MAD

FEBRUARY 2022

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 734

PROJECT ID: 1693-05-72

WITH: 1693-05-73

COUNTY: DANE

52

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

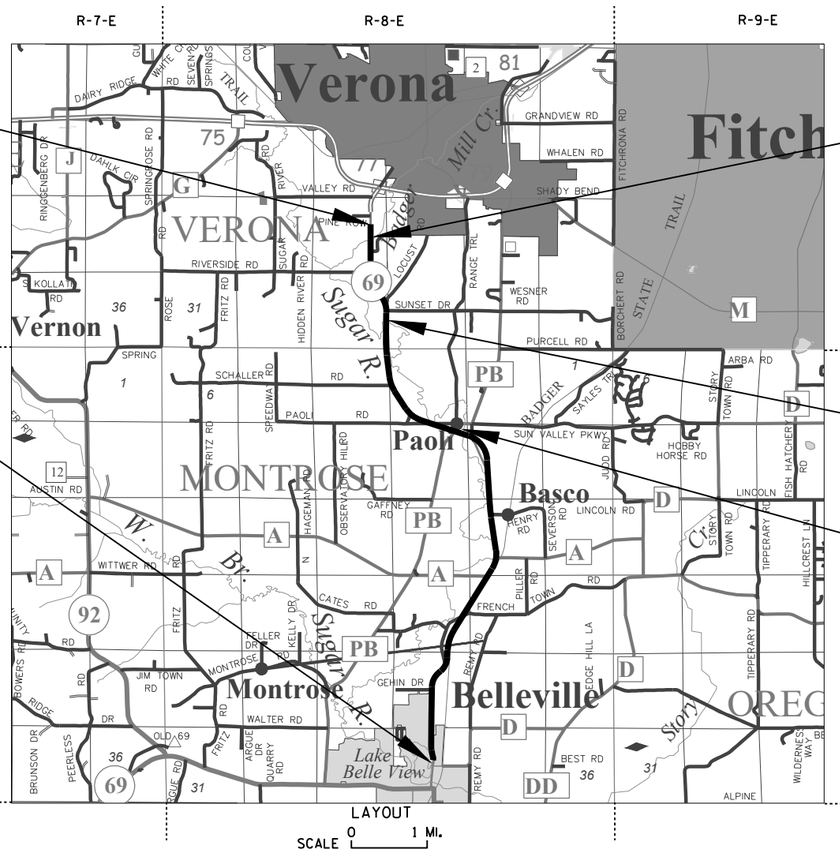
NEW GLARUS - VERONA
CTH D TO VALLEY ROAD
STH 69
DANE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1693-05-72	WISC 2022004	1

STATE PROJECT NUMBER
1693-05-72

N

END PROJECT
STA. 458+00.00



B-13-0365
STA. 447+96.33 TO
STA. 448+50.41

EXCEPTION TO NET ℄ LENGTH
B-13-0434
STA. 387+76.76 TO
STA. 389+27.79

EXCEPTION TO NET ℄ LENGTH
B-13-0433
STA. 278+21.33 TO
STA. 279+62.71

BEGIN PROJECT
STA. 28+50.00
X= 781,368.92
Y= 406,312.56

LAYOUT
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 8.079 MI.

DESIGN DESIGNATION

A.A.D.T.	(2014)	=	6,400
A.A.D.T.	(2034)	=	7,890
D.H.V.		=	4.6%
D.D.		=	60/40
T.		=	5.5%
DESIGN SPEED		=	60 MPH
ESALS		=	990,000

CONVENTIONAL SYMBOLS

PLAN
- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE
- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES
- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES. ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NAVD88 (2012).

ORIGINAL PLANS PREPARED BY

jt ENGINEERING, INC Consultant Services

WISCONSIN
BRADLEY R. GROH
E-41411
MADISON
WI
PROFESSIONAL ENGINEER

DATE: 6/23/2021 (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	GRAEF, STRAND, AND SW REGION
Designer	BRAD GROH, P.E.
Project Manager	MAHESH SHRESTHA, P.E.
Regional Examiner	SW REGION
Regional Supervisor	MARC SCHWEIGER, P.E.

APPROVED FOR THE DEPARTMENT

DATE: Mahesh Shrestha Digitally signed by Mahesh Shrestha Date: 2021.06.25 15:09:35 -05'00' (Signature)

E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\010101-TI.DWG PLOT DATE : 7/9/2021 9:36 AM PLOT BY : BRAD GROH PLOT NAME :

WISDOT/CADDS SHEET 10

GENERAL NOTES

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING OR PARKING LANE.

PAVING LIMITS AT INTERSECTIONS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

INLETS SHALL BE COVERED AS NECESSARY TO PREVENT CONSTRUCTION MATERIALS FROM FALLING INTO THE INLETS.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

SAWCUTS, AS SHOWN ON THE PLANS, ARE AT SUGGESTED LOCATIONS AND MAY BE ADJUSTED AT THE DISCRETION OF THE ENGINEER TO BETTER SUIT FIELD CONDITIONS.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, ALL SIGNS RELATING TO THIS OPERATION SHALL BE COVERED OR REMOVED AND FACILITY RESTORED TO NORMAL OPERATIONS.

EROSION CONTROL ITEMS IN THE MISC. QUAN. ARE SUGGESTED. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD. MAINTAIN EROSION CONTROL ITEMS UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. PROTECT WETLANDS AND OTHER WATERWAYS THAT ARE PRESENT WITHIN THE PROJECT LIMITS.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION ACTIVITIES WITH A CALL TO "DIGGERS HOTLINE" AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE..

DO NOT STORE EQUIPMENT OR MATERIAL IN ENVIRONMENTALLY SENSITIVE AREAS, WETLANDS OR WATERWAYS.

TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL WILL NOT BE PERMITTED IN WETLANDS. FERTILIZER SHALL NOT BE USED NEAR NAVIGABLE WATERWAYS OR WETLANDS.

AREAS OF EXCAVATION BELOW SUBGRADE (EBS) AS IDENTIFIED ON THE PLANS OR BY THE ENGINEER ARE TO BE BACKFILLED WITH SUITABLE MATERIAL FROM EXCAVATION ELSEWHERE ON THE PROJECT OR BORROW MATERIAL. EBS BACKFILL MATERIAL MUST BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.

SILT FENCE IS TO BE PLACED 2' BEYOND THE SLOPE INTERCEPTS.

PLACE SALVAGED TOPSOIL IN ALL GRADED AREAS AS SHOWN ON THE PLANS OR AS DESIGNATED BY THE ENGINEER IMMEDIATELY AFTER GRADING HAS BEEN COMPLETED. APPLY SEED, FERTILIZER, MULCH, AND EMAT TO AREAS WITHIN 7 CALENDAR DAYS OF SALVAGED TOPSOIL PLACEMENT.

THE EXACT LOCATIONS OF DRIVEWAYS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER. DRIVEWAYS ARE TO BE REPLACED IN KIND UNLESS OTHERWISE DIRECTED IN THE PLANS BY THE ENGINEER. BASE AGGREGATE DENSE 3/4-INCH SHALL BE USED FOR GRAVEL DRIVEWAYS.

THE FACTOR USED FOR EXPANDING THE FILLS TO COMPUTE THE VOLUME OF MATERIAL REQUIRED IS 1.25. THE ROCK EXPANSION FACTOR USED FOR EXPANDING THE MATERIAL COLLECTED FROM ROCK EXCAVATION IS 1.10.

CURB AND GUTTER GRADES ARE GIVEN AT THE FLANGE. CURB AND GUTTER RADII ARE MEASURED TO THE FLANGE LINE.

ENSURE THAT DF9765 GPS IS NOT DISTURBED, BUMPED OR MOVED DURING THE DURATION OF THE PROJECT. NOTIFY JACOB ROCKWEILER, WISCONSIN HEIGHT MODERNIZATION PROGRAM MANAGER WITH WISDOT, IMMEDIATELY IF DF9765 GPS IS DISTURBED, BUMPED OR MOVED DURING CONSTRUCTION OPERATIONS. JACOB'S PHONE NUMBER IS (608) 516-6362 AND HIS EMAIL IS JACOB.ROCKWEILER@DOT.WI.GOV.

SECTION 2 ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
CURB RAMP DETAILS
GUARDRAIL LAYOUT DETAILS
INTERSECTION DETAILS
PAVING DETAILS
CONTROL POINT DATA
EROSION CONTROL
PERMANENT SIGNING
LIGHTING PLAN
PAVEMENT MARKING
DETOUR PLAN
ALIGNMENT DIAGRAM

DESIGN CONTACTS

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ERIC.HEGGELUND@WISCONSIN.GOV

STANDARD ABBREVIATIONS

AADT	ANNUAL AVERAGE DAILY TRAFFIC
ABUT	ABUTMENT
AC	ACRE
ADT	AVERAGE DAILY TRAFFIC
AGG	AGGREGATE
ASPH	ASPHALTIC
AVG	AVERAGE
BK	BACK
BM	BENCH MARK
C & G	CURB AND CUTTER
CE	COMMERCIAL ENTRANCE
CH	CHORD
CL OR C/L	CENTER LINE
CO	COUNTY
CONC	CONCRETE
CPCS	CULVERT PIPE CORRUGATED STEEL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CTH	COUNTY TRUNK HIGHWAY
CULV	CULVERT
CWT	HUNDREDWEIGHT
CY	CUBIC YARD
D	DEGREE OF CURVE
DD	DIRECTIONAL DISTRIBUTION
DHV	DESIGN HOURLY VOLUME
DWY	DRIVEWAY
E	EAST
EAT	ENERGY ABSORBING TERMINAL
EB	EASTBOUND
EBS	EXCAVATION BELOW SUBGRADE
ELEC	ELECTRIC
EL OR ELEV	ELEVATION
EMB	EMBANKMENT
ESALS	EQUIVALENT SINGLE AXLE LOADS
EXC	EXCAVATION
EXIST	EXISTING
FE	FIELD ENTRANCE
FL	FLOW LINE
FT	FOOT
FTG	FOOTING
HMA	HOT MIX ASPHALT
HES	HIGH EARLY STRENGTH
HWY	HIGHWAY
HYD	HYDRANT
I	INTERSECTION ANGLE
IN	INCH
INL	INLET
INV	INVERT
IP	IRON PIPE OR PIN
JCT	JUNCTION
JT	JOINT
LT	LEFT
L	LENGTH OF CURVE
LB	POUND
LS	LUMP SUM
MAINT	MAINTENANCE
MAX	MAXIMUM
MB	MESSAGE BOARD
MGS	MIDWEST GUARDRAIL SYSTEM
MH	MANHOLE
MIN	MINIMUM
N	NORTH
NB	NORTHBOUND
NC	NORMAL CROWN
NOM	NOMINAL
NO	NUMBER
NOR	NORMAL
OBLIT	OBLITERATE
PAVT	PAVEMENT
PB	PULL BOX
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE
PCP	PIPE CATTLE PASS
PCPRC	PIPE CATTLE PASS REINFORCED CONCRETE
PE	PRIVATE ENTRANCE
PERM	PERMANENT
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PRC	POINT OF REVERSE CURVATURE
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PU	PIPE UNDERDRAIN
R	RADIUS
RD	ROAD
RDWY	ROADWAY
REINF	REINFORCEMENT
REQD	REQUIRED
RL OR R/L	REFERENCE LINE
RP	REFERENCE POINT
RR	RAILROAD
RT	RIGHT
R/W	RIGHT-OF-WAY
S	SOUTH
SALV	SALVAGED
SAN	SANITARY
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWINGS
SEC	SECTION
SF	SQUARE FEET
SHLDR	SHOULDER
SS	STORM SEWER
STA	STATION
STD	STANDARD
STH	STATE TRUNK HIGHWAYS
SURF	SURFACE
SW	SIDEWALK
SY	SQUARE YARDS
T	TANGENT
T	TRUCKS (PERCENT OF)
TEMP	TEMPORARY
TLE	TEMPORARY LIMITED EASEMENT
TYP	TYPICAL
USH	UNITED STATES HIGHWAY
VAR	VARIABLE
VERT	VERTICAL
VC	VERTICAL CURVE
VOL	VOLUME
VPC	VERTICAL POINT OF CURVE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
W	WATER
W	WEST
WB	WESTBOUND
WV	WATER VALVE
YD	YARD

HMA THICKNESS	LOWER LAYER MIX TYPE	LOWER LAYER THICKNESS	UPPER LAYER MIX TYPE	UPPER LAYER THICKNESS
5 IN	3 MT 58-28 S	3 IN	4 MT 58-28 S*	2 IN
4 IN	4 MT 58-28 S	2 IN	4 MT 58-28 S	2 IN
3.5 IN	4 MT 58-28 S	1.75 IN	4 MT 58-28 S	1.75 IN
2 IN	-	-	4 MT 58-28 S	2 IN

*IN ROUNDABOUT USE 4 MT 58-28 V IN UPPER LAYER OF APPROACH AND CIRCLE;
TWO HMA BALANCED MIXTURE DESIGN TEST SECTIONS ALSO USE 4 MT 58-28 V IN THE UPPER LAYER.

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

UTILITY CONTACTS

DOUG VOSBERG
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BRUCE MARRAY
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TOM PAYNE
CHARTER COMMUNICATIONS - COMMUNICATION LINE
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CALVIN KLADE
FRONTIER COMMUNICATIONS OF WI LLC - COMMUNICATION LINE
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NORTHERN NATURAL GAS COMPANY - GAS/PETROLEUM
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JERRY MYERS
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DAN SILVERNALE
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WE ENERGIES - GAS/PETROLEUM
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MONROE, WI 53566
(608) 328-5679
ADAM.MARING@WI-ENERGIES.COM

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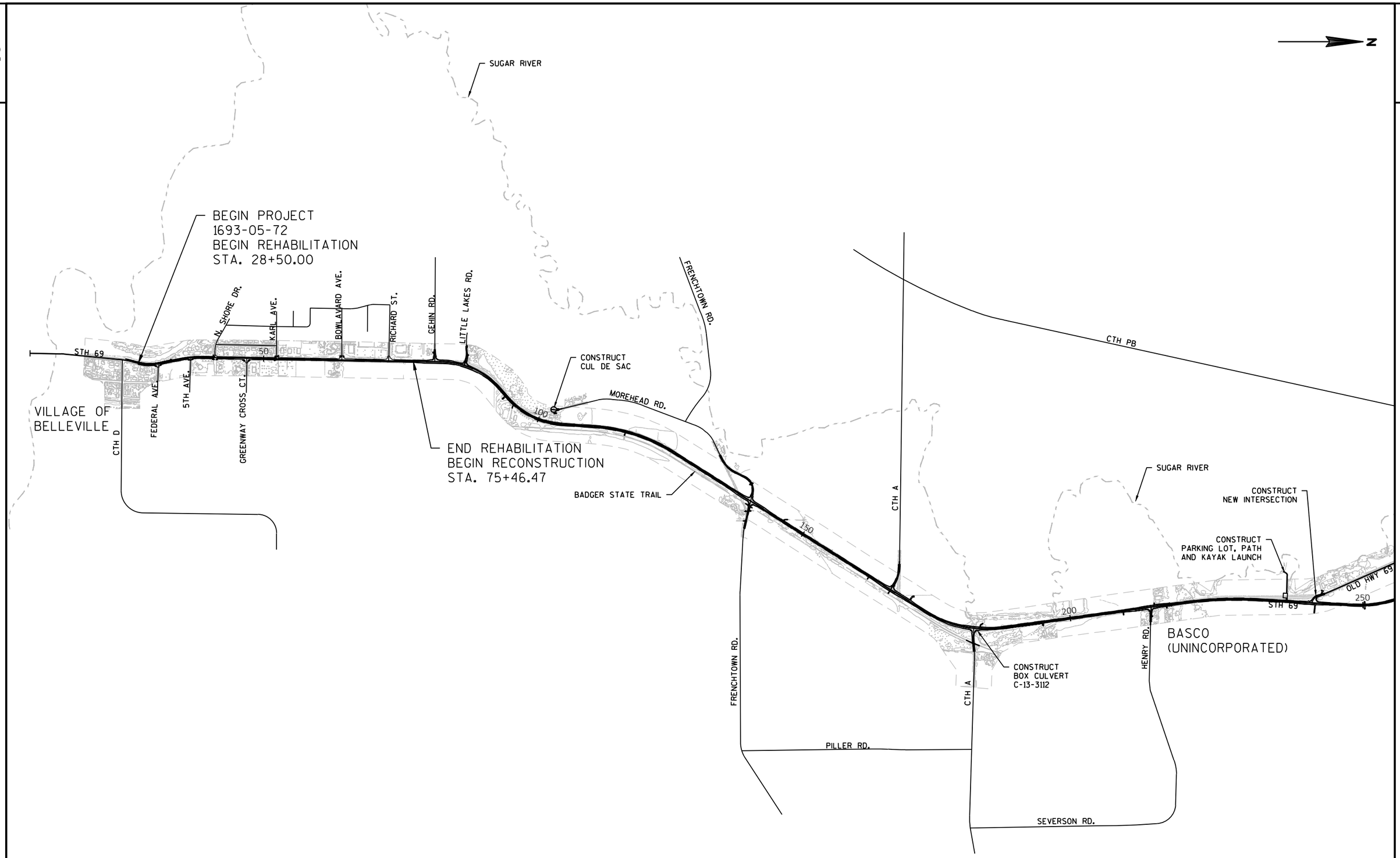
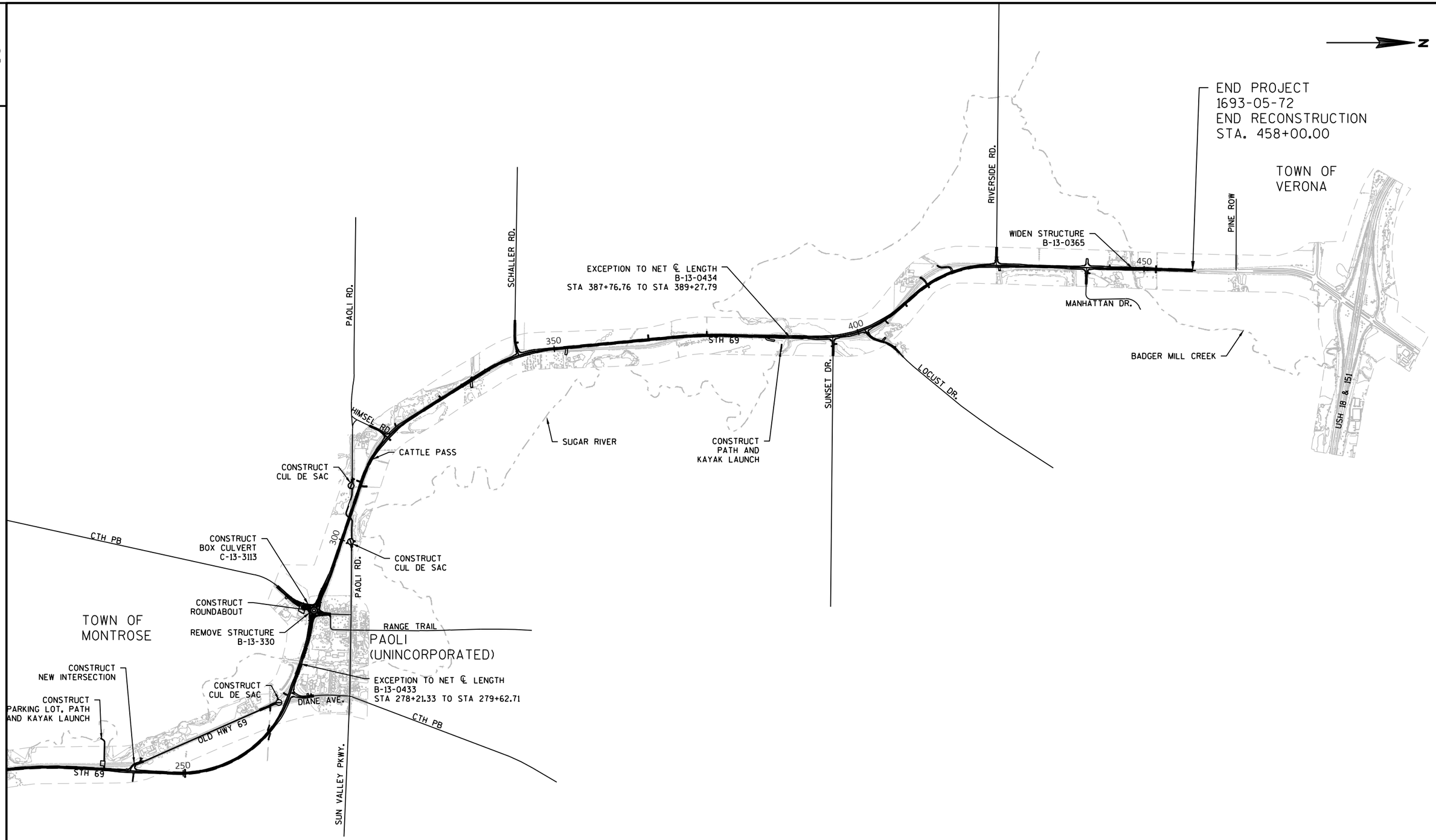


PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - 020201

PLOT DATE : 7/30/2021 10:01 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:1500 FT

WISDOT/CADDS SHEET 42



PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	PROJECT OVERVIEW	SHEET 4	E

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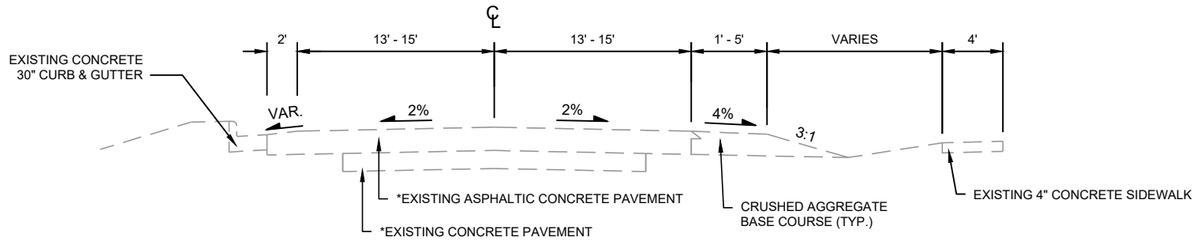
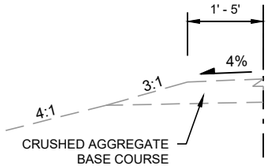
LAYOUT NAME - 020201
PLOT DATE : 7/30/2021 10:02 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:1500 FT
WISDOT/CADDS SHEET 42

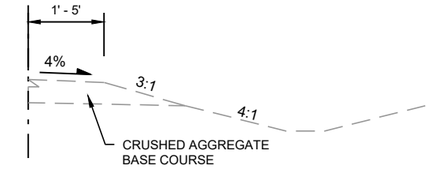
PAVEMENT BORING SUMMARY TABLE

BORING NO.	STATION	OFFSET	ASPHALT DEPTH	CONCRETE DEPTH
B-1	26+00	6'RT	UNDETECTED	6.5 INCH
B-2	26+00	12'RT	UNDETECTED	6.5 INCH
B-3	36+50	12'LT	4.5 INCH	UNDETECTED
B-4	47+00	12'RT	9.5 INCH	UNDETECTED
B-5	57+50	6'LT	9 INCH	7 INCH
B-6	68+00	15'LT	UNDETECTED	UNDETECTED
B-7	78+50	6'RT	7 INCH	7.5 INCH
B-8	94+00	12'LT	14 INCH	UNDETECTED
B-9	104+50	12'RT	9 INCH	UNDETECTED
B-10	115+00	6'LT	12 INCH	7 INCH
B-11	125+50	15'LT	UNDETECTED	UNDETECTED
B-12	136+00	6'RT	8 INCH	UNDETECTED
B-13	147+50	12'LT	6 INCH	UNDETECTED
B-14	158+00	12'RT	9 INCH	UNDETECTED
B-15	168+50	6'LT	11.5 INCH	UNDETECTED
B-16	190+00	6'RT	9 INCH	3 INCH
B-17	200+50	12'LT	6 INCH	UNDETECTED
B-18	206+00	6'LT	6.5 INCH	5 INCH
B-19	215+00	12'RT	9 INCH	UNDETECTED
B-20	241+00	6'LT	10 INCH	8 INCH
B-21	251+50	12'LT	8 INCH	UNDETECTED
B-22	263+50	6'RT	7 INCH	7.5 INCH
B-23	270+00	12'LT	5 INCH	UNDETECTED
B-24	280+50	12'RT	8 INCH	UNDETECTED
B-25	291+00	6'LT	11 INCH	UNDETECTED
B-26	301+50	15'LT	UNDETECTED	UNDETECTED
B-27	310+00	6'RT	8 INCH	7 INCH
B-28	320+50	12'LT	17 INCH	UNDETECTED
B-29	335+00	12'RT	10 INCH	UNDETECTED
B-30	345+50	6'LT	9 INCH	6.5 INCH
B-31	356+00	15'LT	UNDETECTED	UNDETECTED
B-32	366+50	6'RT	9 INCH	6 INCH
B-33	377+00	12'LT	4.5 INCH	UNDETECTED
B-34	388+00	12'RT	5 INCH	UNDETECTED
B-35	398+00	6'LT	5.5 INCH	UNDETECTED
B-36	408+50	15'LT	UNDETECTED	UNDETECTED
B-37	419+00	6'RT	6 INCH	6.5 INCH
B-38	429+50	12'LT	5 INCH	UNDETECTED
B-39	440+00	12'RT	6 INCH	UNDETECTED
B-40	450+50	6'LT	6.5 INCH	6.5 INCH

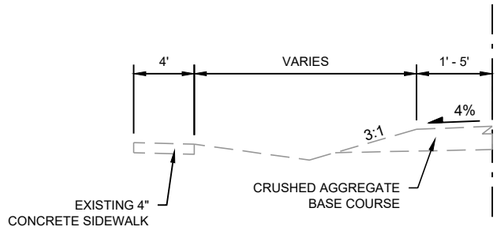




STA. 32+50 - STA. 52+44



STA. 52+34 - STA. 71+00

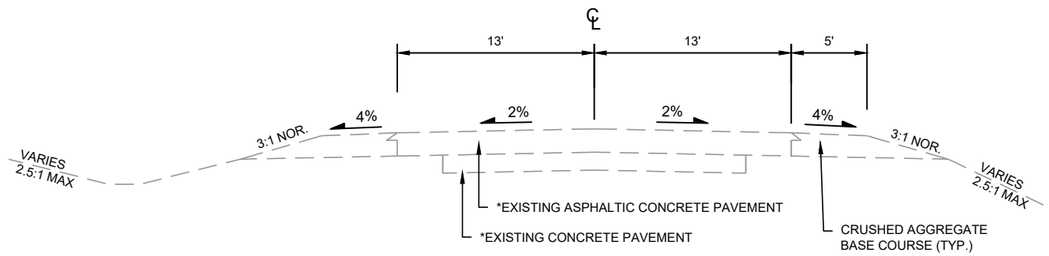


STA. 52+44 - STA. 71+00

*NOTE: EXISTING ASPHALTIC SURFACE DEPTHS RANGE FROM 4.5" TO 17"
AND EXISTING CONCRETE PAVEMENT DEPTHS RANGE FROM 3" TO 8"
SEE PAVEMENT BORING SUMMARY TABLE FOR DETAILS

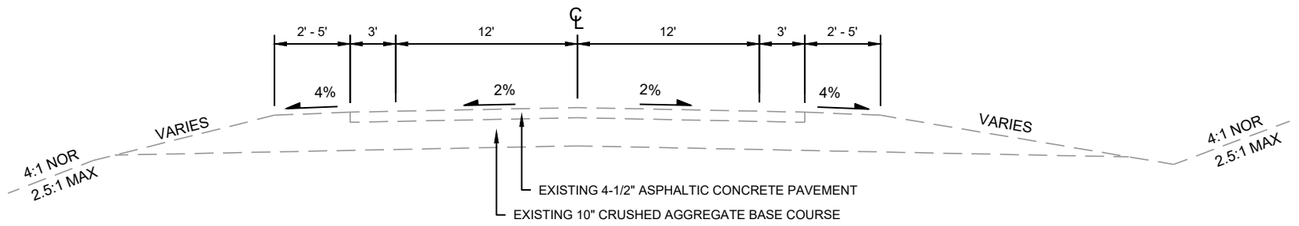
EXISTING TYPICAL SECTION

STH 69
STA. 28+50 - STA. 71+00



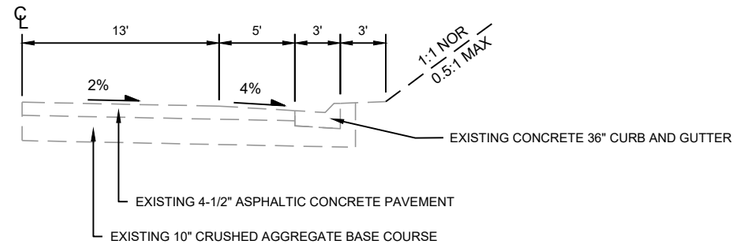
EXISTING TYPICAL SECTION

STH 69
STA. 71+00 - STA. 274+85
STA. 279+89 - STA. 384+75
STA. 389+24 - STA. 437+81
STA. 450+31 - STA. 457+00



EXISTING TYPICAL SECTION

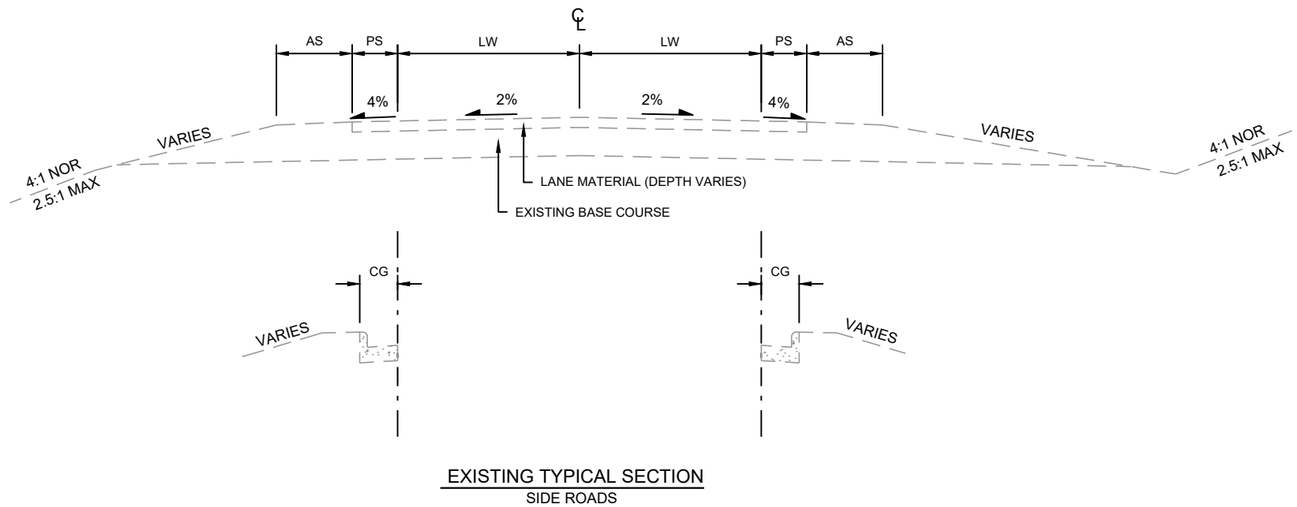
STH 69
STA. 274+85 - STA. 277+01
STA. 277+96 - STA. 279+89
STA. 384+75 - STA. 386+49
STA. 387+60 - STA. 389+24
STA. 437+81 - STA. 446+50
STA. 447+03 - STA. 450+31



EXISTING TYPICAL HALF SECTION

STH 69
STA. 442+56 - STA. 445+42

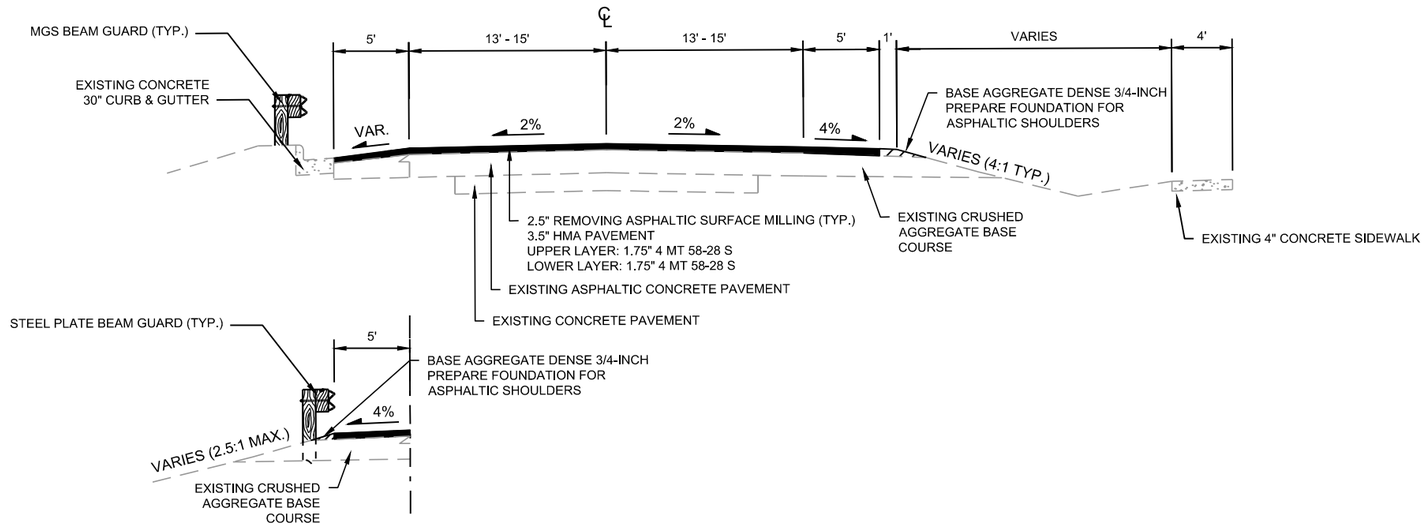
PROJECT NO:1693-05-72	HWY:STH 69	COUNTY:DANE	TYPICAL SECTIONS	SHEET 6	E



EXISTING TYPICAL SECTION
SIDE ROADS

SIDE ROAD EXISTING TYPICAL SECTION DETAILS

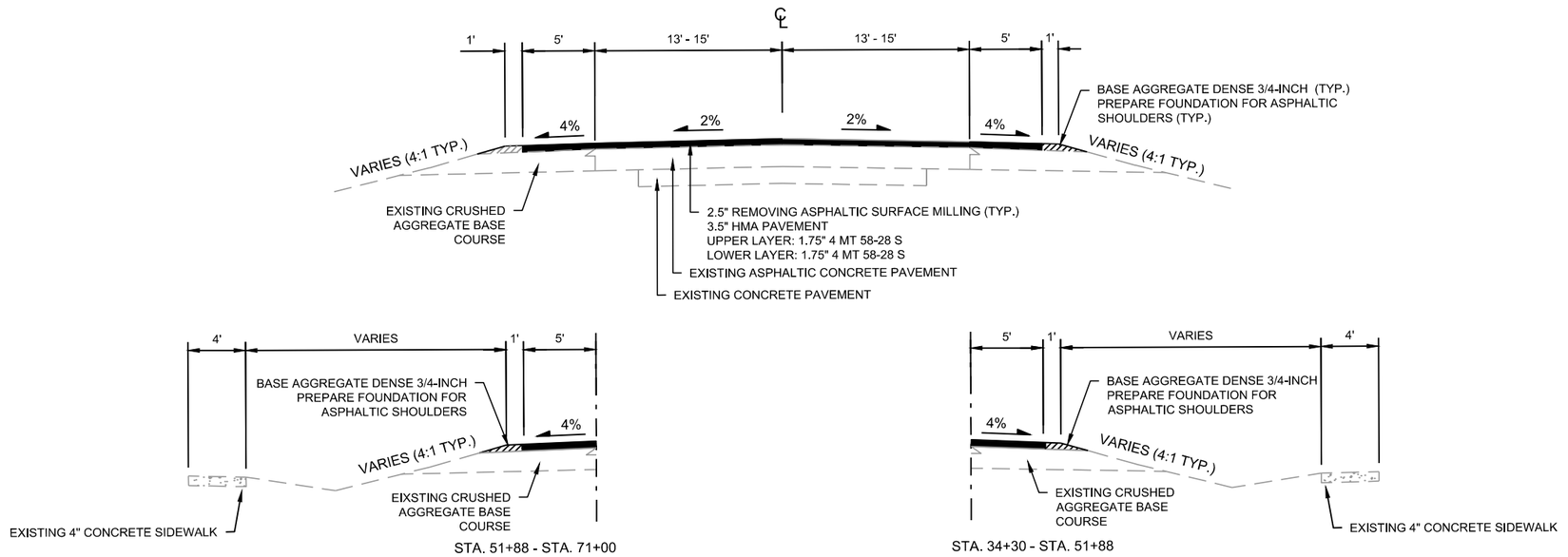
SIDE ROAD	LANE MATERIAL	LANE WIDTH (LW)	CURB AND GUTTER WIDTH (CG)	PAVED SHOULDER WIDTH (PS)	AGG SHOULDER WIDTH (AS)
GEHIN ROAD	ASPHALTIC PAVEMENT	7'	0'	0'	0'
LITTLE LAKES ROAD	BASE AGGREGATE	6'	0'	0'	0'
MOREHEAD DRIVE	ASPHALTIC PAVEMENT	10'	0'	0'	0'
FRENCHTOWN ROAD (EAST)	ASPHALTIC PAVEMENT	9'	0'	0'	0'
FRENCHTOWN ROAD (WEST)	ASPHALTIC PAVEMENT	8'	0'	0'	0'
CTH A (WEST)	ASPHALTIC PAVEMENT	11'	0'	0'	3'
CTH A (EAST)	ASPHALTIC PAVEMENT	11'	0'	0'	3'
HENRY ROAD	ASPHALTIC PAVEMENT	10'	0'	0'	0'
DIANE AVENUE	ASPHALTIC PAVEMENT	12'	0'	3'	3'
CTH PB (WEST)	ASPHALTIC PAVEMENT	12'	0'	3'	0'
CTH PB (EAST)	ASPHALTIC PAVEMENT	12'	0'	1'	0'
PAOLI ROAD	ASPHALTIC PAVEMENT	10'	0'	0'	0'
HIMSEL ROAD	ASPHALTIC PAVEMENT	9'	0'	0'	0'
SCHALLER ROAD	ASPHALTIC PAVEMENT	10'	0'	0'	0'
SUNSET DRIVE	ASPHALTIC PAVEMENT	11'	0'	0'	1'
LOCUST DRIVE	ASPHALTIC PAVEMENT	9'	0'	0'	0'
RIVERSIDE ROAD	ASPHALTIC PAVEMENT	11'	0'	0'	0'
MANHATTAN DRIVE	ASPHALTIC PAVEMENT	10'	0'	0'	0'



STA. 32+52 - STA. 34+40

PROPOSED TYPICAL SECTION

STH 69
STA. 28+50 - STA. 34+30



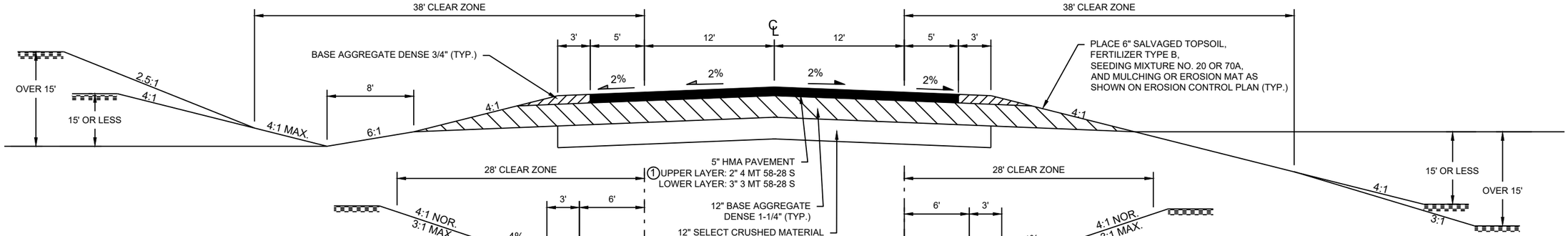
STA. 51+88 - STA. 71+00

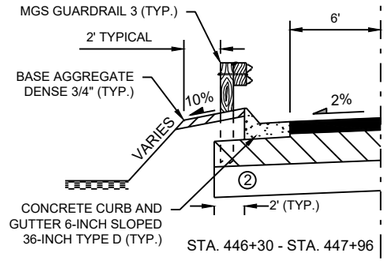
STA. 34+30 - STA. 51+88

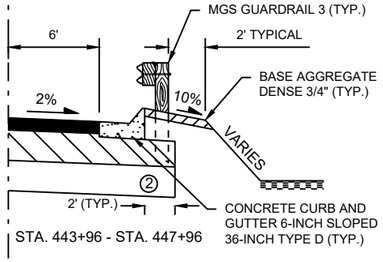
PROPOSED TYPICAL SECTION

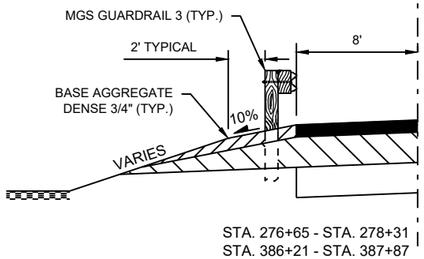
STH 69
STA. 34+30- STA. 75+46

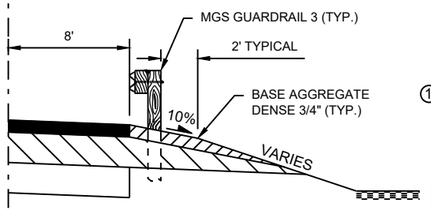
PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	TYPICAL SECTIONS	SHEET 8	E











PROPOSED TYPICAL SECTION

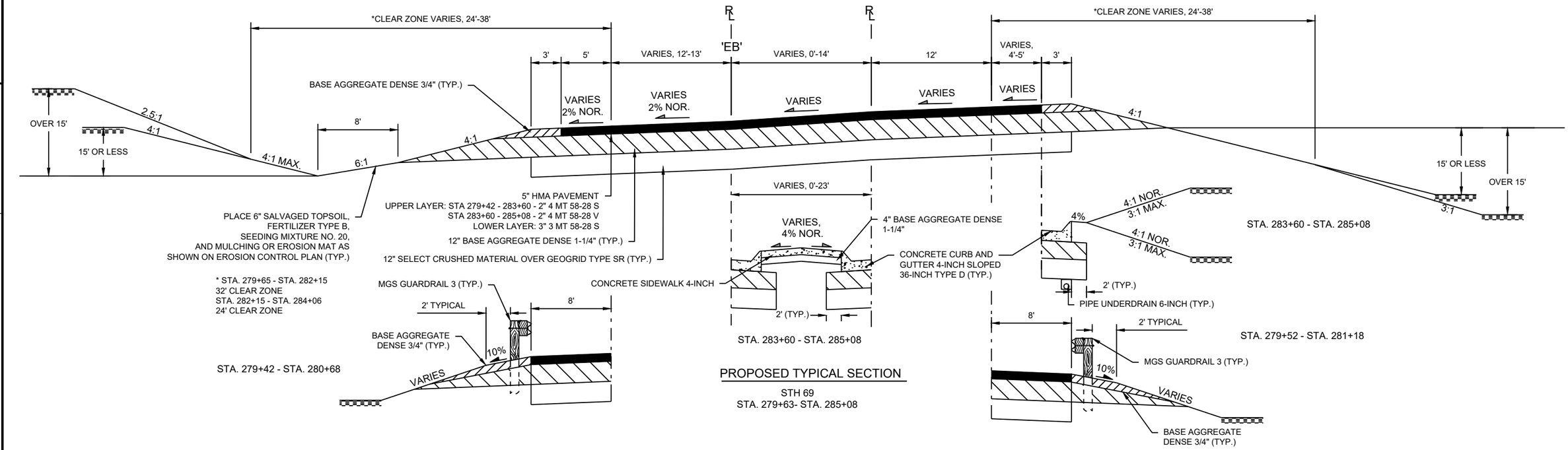
STH 69
STA. 75+46 - STA. 278+21
STA. 296+44 - STA. 458+00

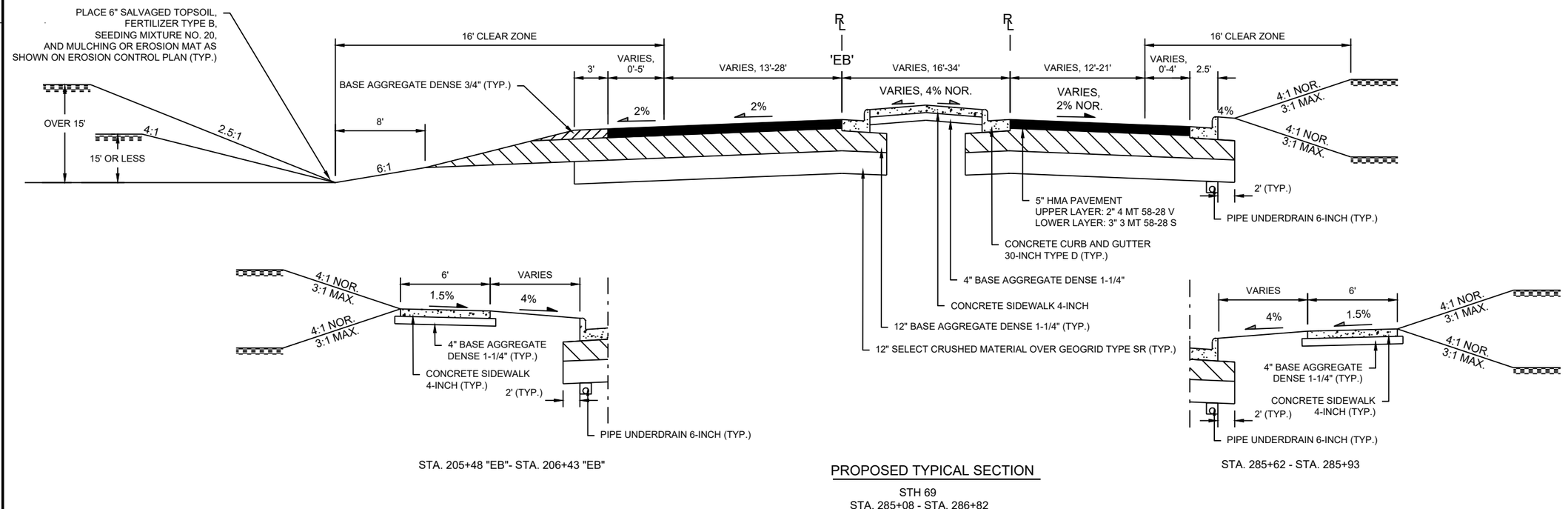
① NOTE: HMA BALANCED MIXTURE DESIGN TEST SECTIONS ARE TO BE INSTALLED ON THE SURFACE LIFT IN THE NB DIRECTION BETWEEN STA 300+00 AND 385+00 IN ~500' LONG SECTIONS. SEE THE CHART BELOW FOR MIX DESIGN REQUIREMENTS AND REFER TO THE SPECIAL PROVISIONS FOR ADDITIONAL DETAILS.

MIXTURE DESIGN	HWT, COR. RUT DETPH	IDEAL	HMA MIX
1	>7	>65	4 MT 58-28 S
2	<3.5	>65	4 MT 58-28 S
3*	>7	<35	4 MT 58-28 S
4	<3.5	<35	4 MT 58-28 S
5**	--	--	4 MT 58-28 V
6***	--	--	4 MT 58-28 V

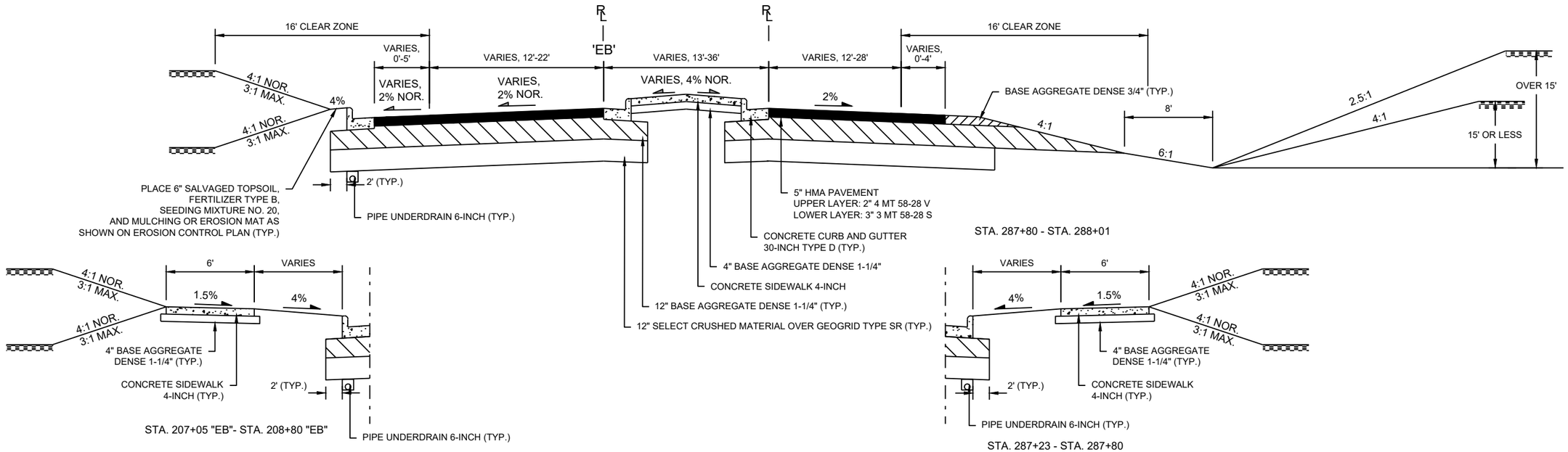
* MUST MEET ALL CRITERIA IN CMM 866 AND STAND SPEC 460 WITHOUT EXCEPTIONS
**IDENTICAL TO MIXTURE DESIGN 1 WITH "V" BINDER REPLACING "S" BINDER
***IDENTICAL TO MIXTURE DESIGN 3 WITH "V" BINDER REPLACING "S" BINDER

② NOTE: GEOGRID LIMITS AT BACK OF CURB IN BEAM GUARD SECTIONS WITH CURB AND GUTTER IN FRONT TO AVOID POST CONFLICT.



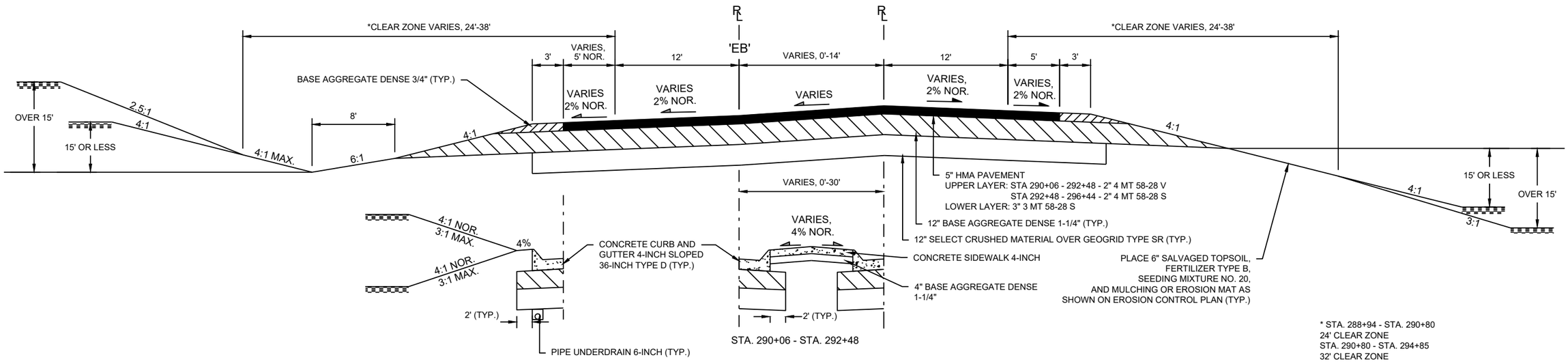


PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	TYPICAL SECTIONS	SHEET 10	E



PROPOSED TYPICAL SECTION

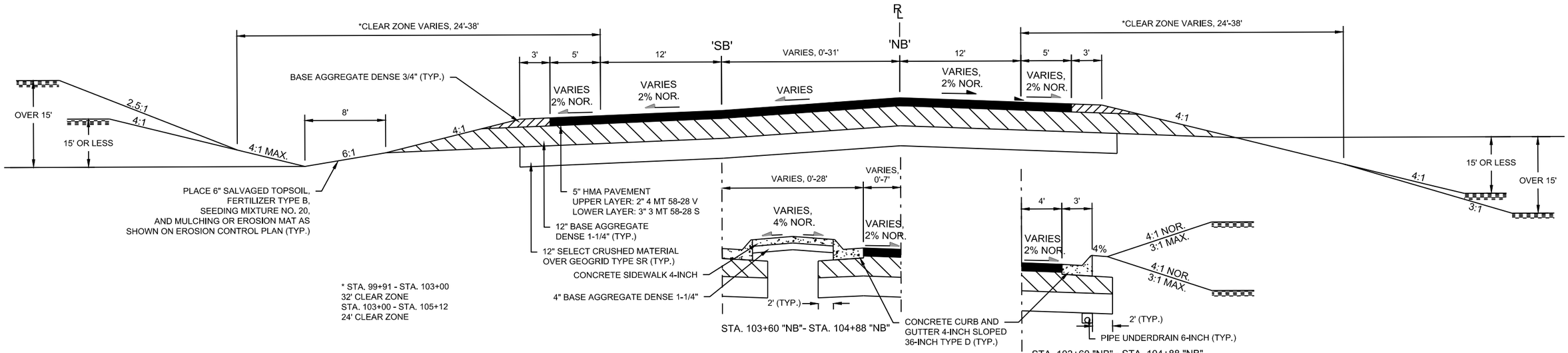
STH 69
STA. 288+20 - STA. 290+06



PROPOSED TYPICAL SECTION

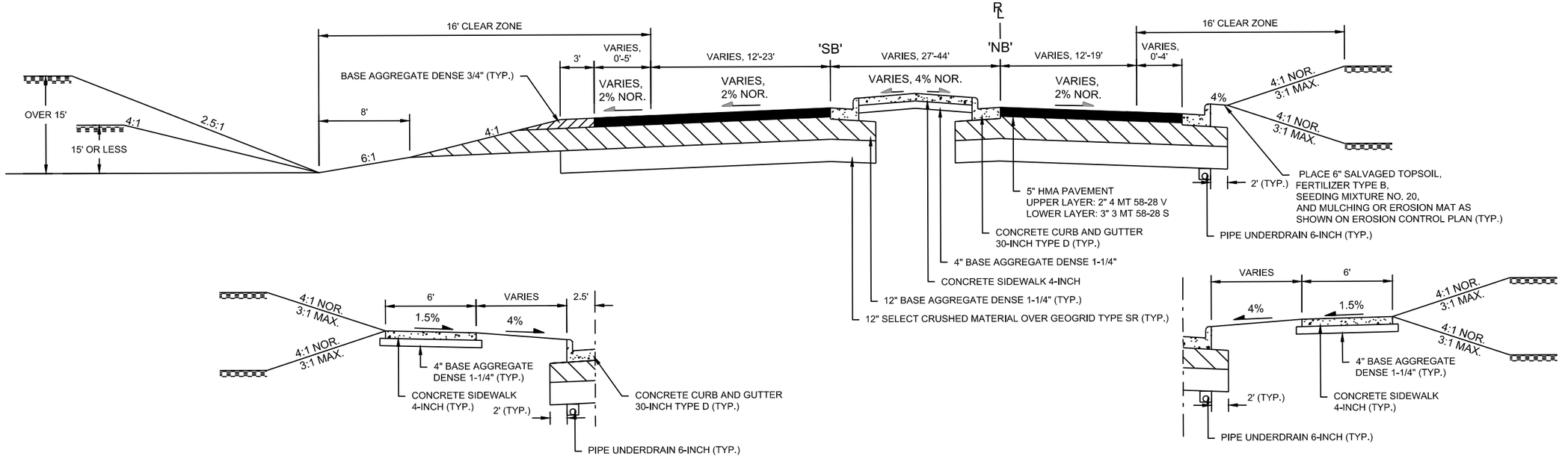
STH 69
STA. 290+06 - STA. 296+44

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	TYPICAL SECTIONS	SHEET 11	E



PROPOSED TYPICAL SECTION

CTH PB
STA. 100+00 "NB"- STA. 105+20 "NB"



STA. 105+55 "SB" - STA. 106+00 "SB"

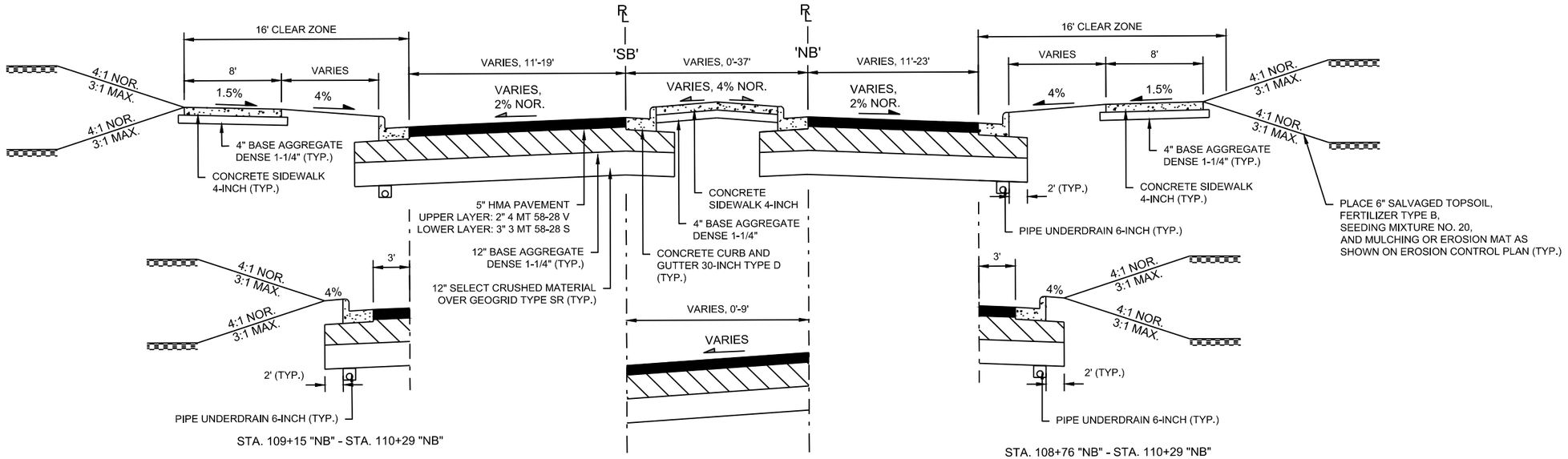
PROPOSED TYPICAL SECTION

CTH PB
STA. 105+20 "NB" - STA. 106+66 "NB"

STA. 105+67 "NB" - STA. 106+50 "NB"

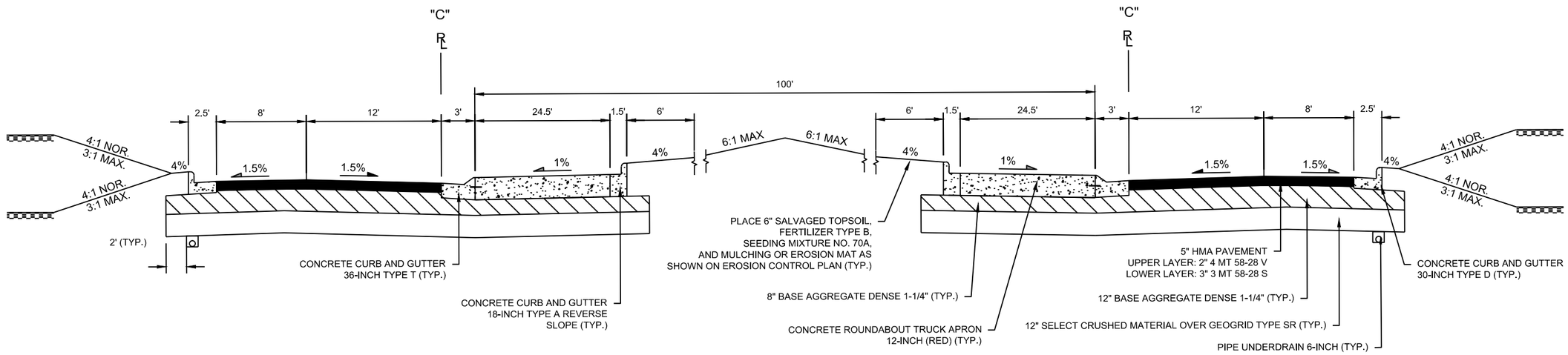
PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	TYPICAL SECTIONS	SHEET 12	E

2



PROPOSED TYPICAL SECTION

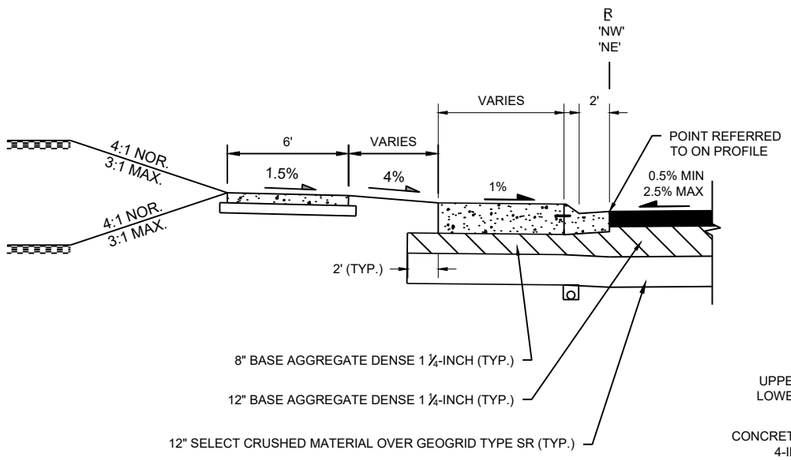
CTH PB
STA. 108+08 "NB" - STA. 110+29 "NB"

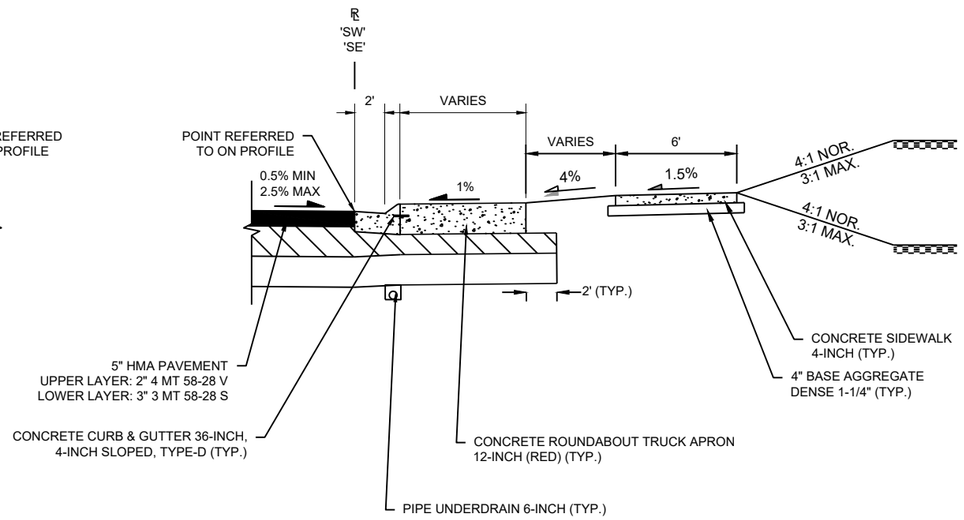


PROPOSED TYPICAL SECTION

ROUNDABOUT
STA. 20+00"C" - 23+33.01"C"

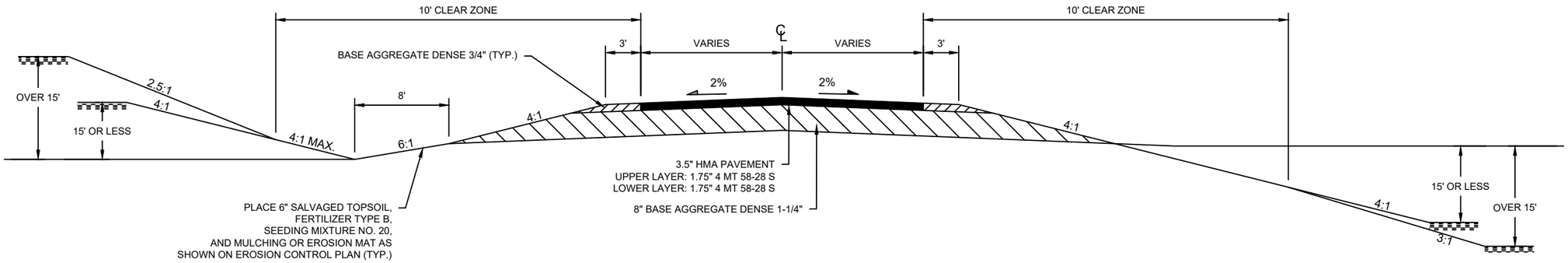
PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	TYPICAL SECTIONS	SHEET 13	E





PROPOSED TYPICAL SECTION

ROUNDABOUT CURB RADII
NE QUAD: STA 285+46.15 - STA 108+68.07"NB"
SE QUAD: STA 286+05.82 - STA 105+56.29"NB"
NW QUAD: STA 109+09.68"NB" - STA 288+94.18
SW QUAD: STA 105+56.80"NB" - STA 289+62.39



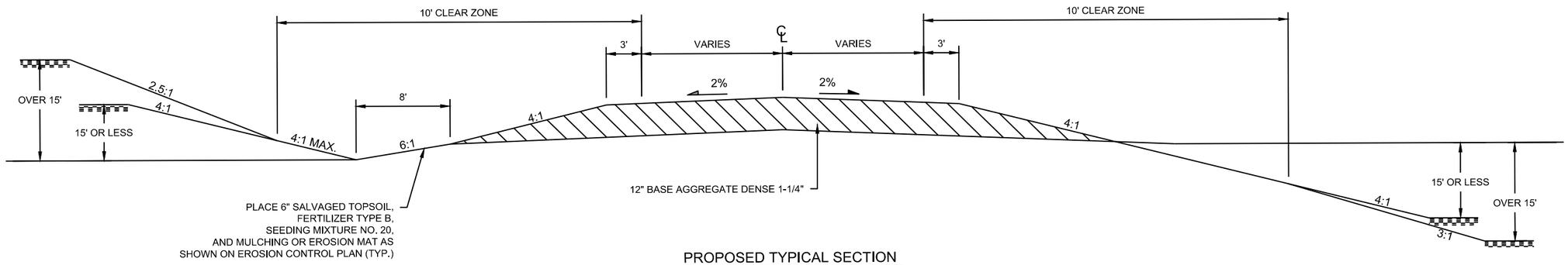
PROPOSED TYPICAL SECTION

GEHIN ROAD
LITTLE LAKES ROAD
MOREHEAD ROAD*
FRENCHTOWN ROAD
CTH A (WEST)
CTH A (EAST)
HENRY ROAD
OLD HWY 69 (RECONSTRUCT)
E PAOLI ROAD*
W PAOLI ROAD*
HIMSEL ROAD
SCHALLER ROAD
SUNSET DRIVE
LOCUST DRIVE
OAK GROVE ROAD
RIVERSIDE ROAD
MANHATTAN DRIVE

SIDE ROAD	STATION RANGE	BAD 1-1/4" THICKNESS	HMA PAVEMENT	LANE WIDTH (LW)	CLEAR ZONE WIDTH
GEHIN ROAD	48+00.00"GE" - 50+00.00"GE"	8"	3.5"	7'	20'
LITTLE LAKES ROAD	46+66.05"LL" - 50+00.00"LL"	12"	0"	6'	7'
MOREHEAD ROAD*	50+00.00"MH" - 51+39.50"MH"	8"	3.5"	10' - 45'	10'
FRENCHTOWN ROAD	39+50.00"FR" - 54+82.00"FR"	12"	4"	10'	14'
CTH A (WEST)	45+30.14"AW" - 50+00.00"AW"	12"	4"	12'	20'
CTH A (EAST)	50+00.00"AE" - 54+00.00"AE"	12"	4"	11'	26'
HENRY ROAD	50+00.00"HE" - 52+50.00"HE	8"	3.5"	10'	10'
OLD STH 69	50+35.00"OS" - 52+85.00"OS"	8"	3.5"	12'	10'
OLD STH 69*	73+62.89"OS" - 77+51.90"OS"	8"	3.5"	12' - 45'	10'
E PAOLI ROAD*	50+00.00"PE" - 51+45.86"PE"	8"	3.5"	9' - 45'	10'
W PAOLI ROAD*	48+43.26"PW" - 50+00.00"PW"	8"	3.5"	9' - 45'	10'
HIMSEL ROAD	46+42.20"HM" - 50+00.00"HM"	8"	3.5"	10'	14'
SCHALLER ROAD	44+16.80"SC" - 50+00.00"SC"	8"	3.5"	10'	20'
SUNSET DRIVE	50+00.00"SU" - 53+07.00"SU"	8"	3.5"	11'	20'
LOCUST DRIVE	50+00.00'LD" - 56+50.00"LD"	8"	3.5"	10'	20'
OAK GROVE ROAD	45+30.72"OG" - 50+00.00"OG"	8"	3.5"	9'	7'
RIVERSIDE ROAD	47+00.00"RS" - 50+00.00"RS"	12"	4"	11'	20'
MANHATTAN DRIVE	50+00.00"M" - 52+75.00"M"	8"	3.5"	10'	10'

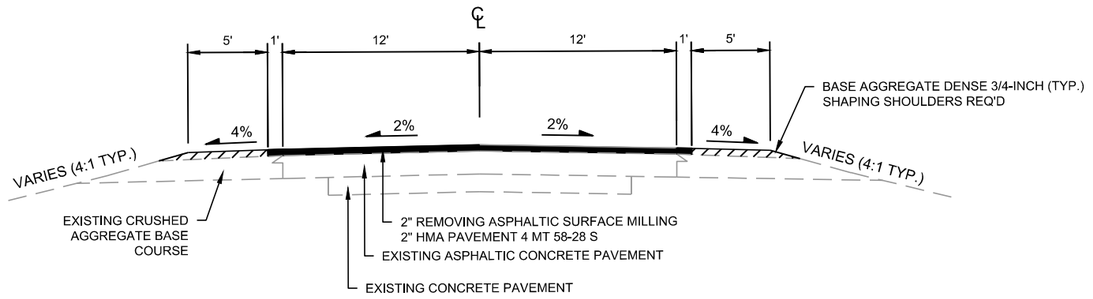
* CUL DE SAC; SEE DETAILS FOR MORE INFORMATION

2



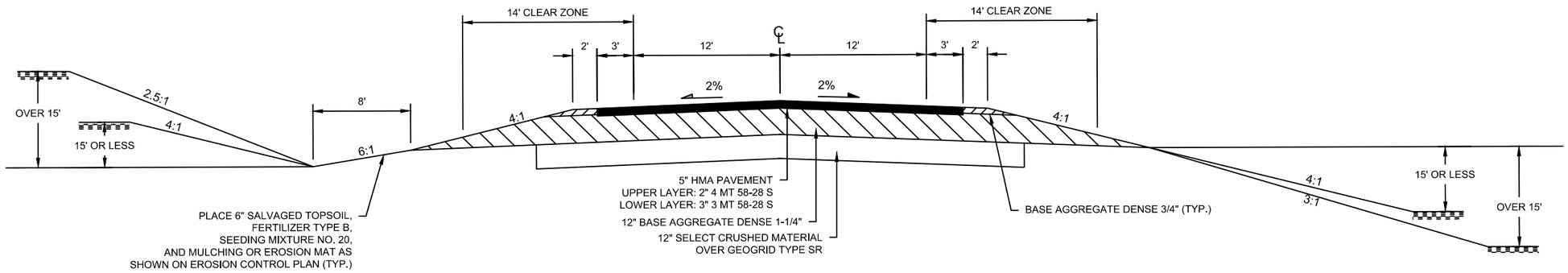
PROPOSED TYPICAL SECTION

LITTLE LAKES ROAD
STA 46+66.05"LL" - 50+00.00"LL"



PROPOSED TYPICAL SECTION

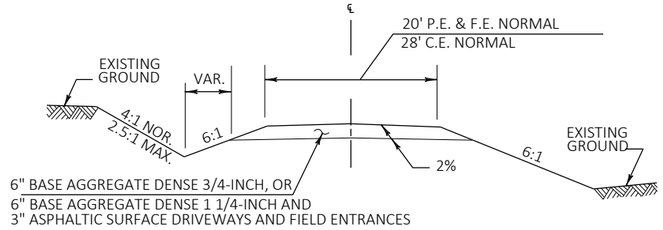
OLD HWY 69 (OVERLAY)
STA 52+85.43"OS" - 73+62.43"OS"



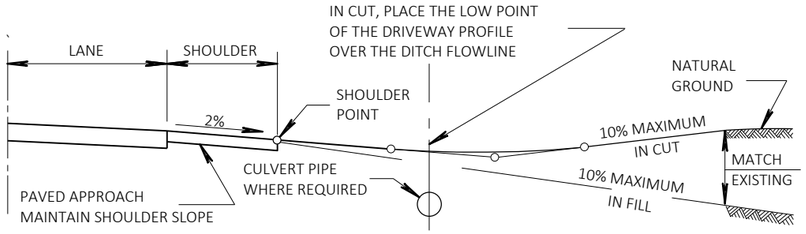
PROPOSED TYPICAL SECTION

DIANNE AVENUE
STA 50+26.07"DN" - 53+95.58"DN"

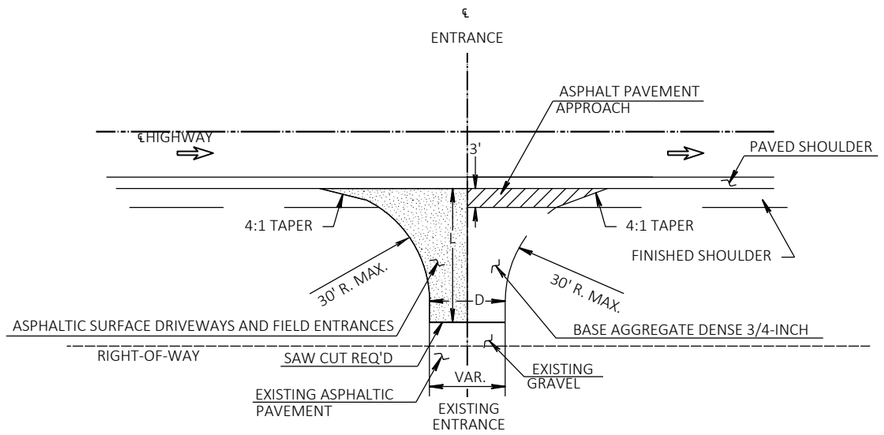
PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	TYPICAL SECTIONS	SHEET 16	E



TYPICAL CROSS SECTION



PROFILE VIEW

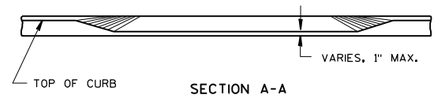


L=VARIABLE, EXACT LENGTH TO BE DETERMINED IN THE FIELD BY THE ENGINEER. BLEND BACK ON THE ENTRANCE FAR ENOUGH TO GET A SMOOTH PROFILE.

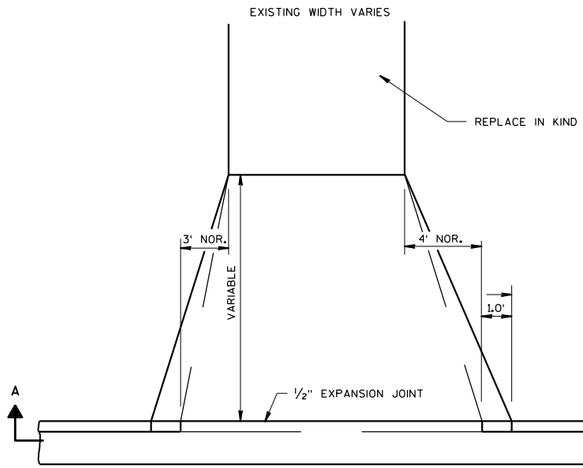
D=DRIVEWAY WIDTH
D=20'TYP.(PE's & FE's) (16'MIN.-24'MAX.)
D=28'TYP.(CE's) (24'MIN.-35'MAX.)

PLAN VIEW

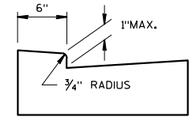
RURAL DRIVEWAY INTERSECTION DETAIL



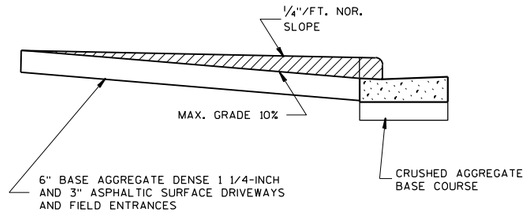
SECTION A-A



PLAN

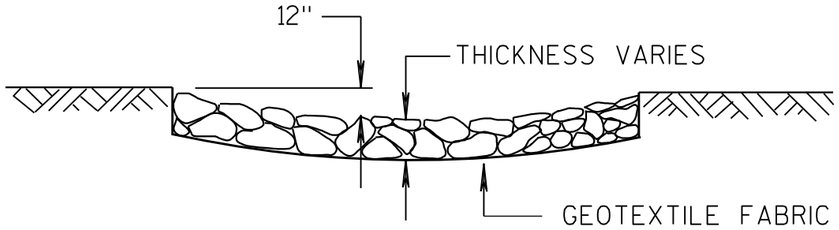


OPTIONAL METHOD FOR CONCRETE GUTTER



PROFILE

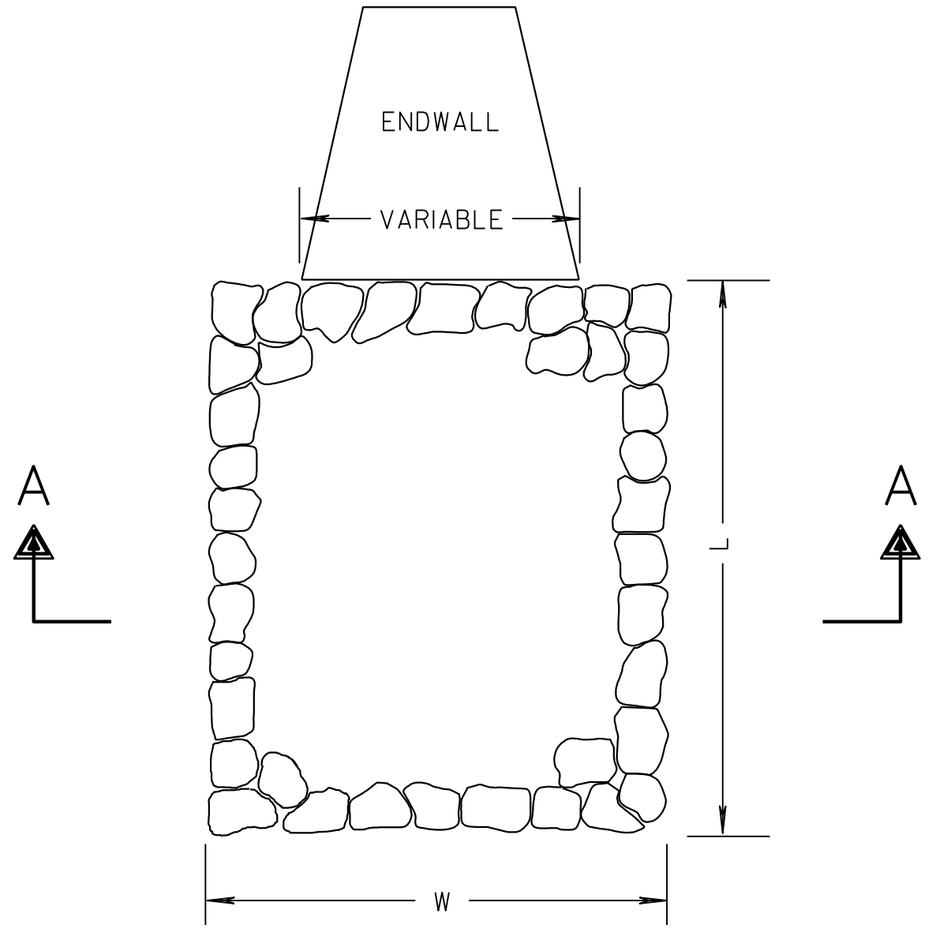
URBAN DRIVEWAY DETAIL



SECTION A-A

RIPRAP TYPE	THICKNESS	GEOTEXTILE FABRIC TYPE
MEDIUM	18 INCHES	HR
HEAVY	24 INCHES	HR

NOTE: SEE EROSION CONTROL PLAN FOR LOCATIONS OF RIPRAP AND WIDTH (W) AND LENGTH (L) DIMENSIONS



RIPRAP TREATMENT AT CULVERTS

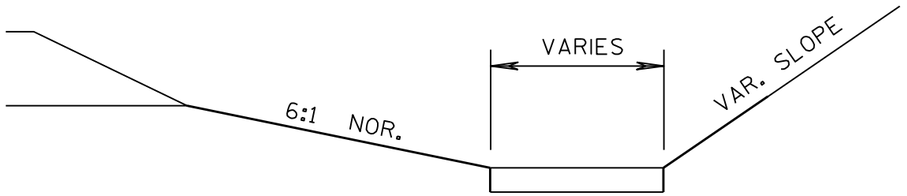
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 18	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021001-CD.DWG
LAYOUT NAME - 02
PLOT DATE : 8/18/2021 1:24 PM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:10 FT

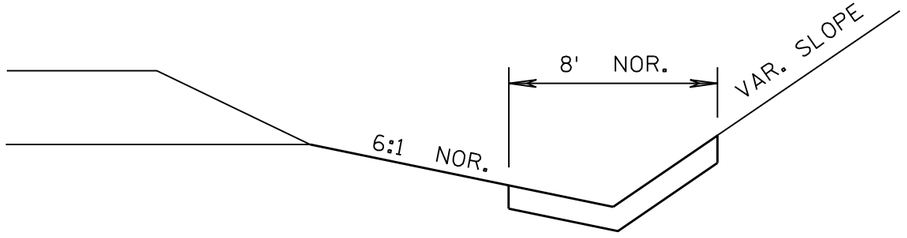
RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE: TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL PROJECT AREA = 428.93 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 132.57 ACRES

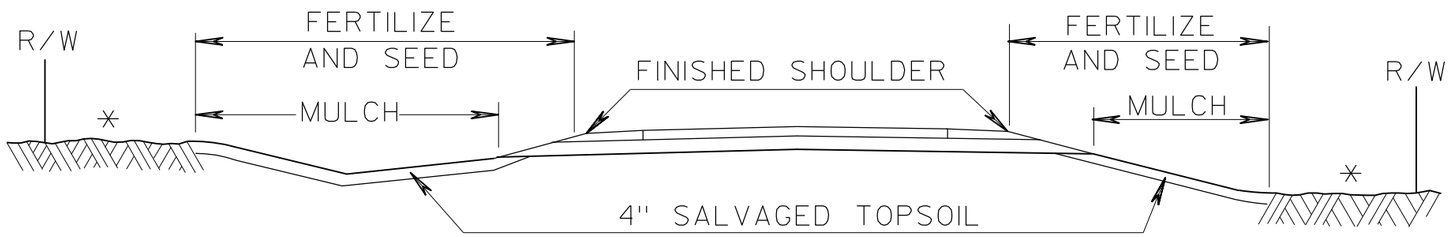


FLAT BOTTOM DITCH



V-DITCH

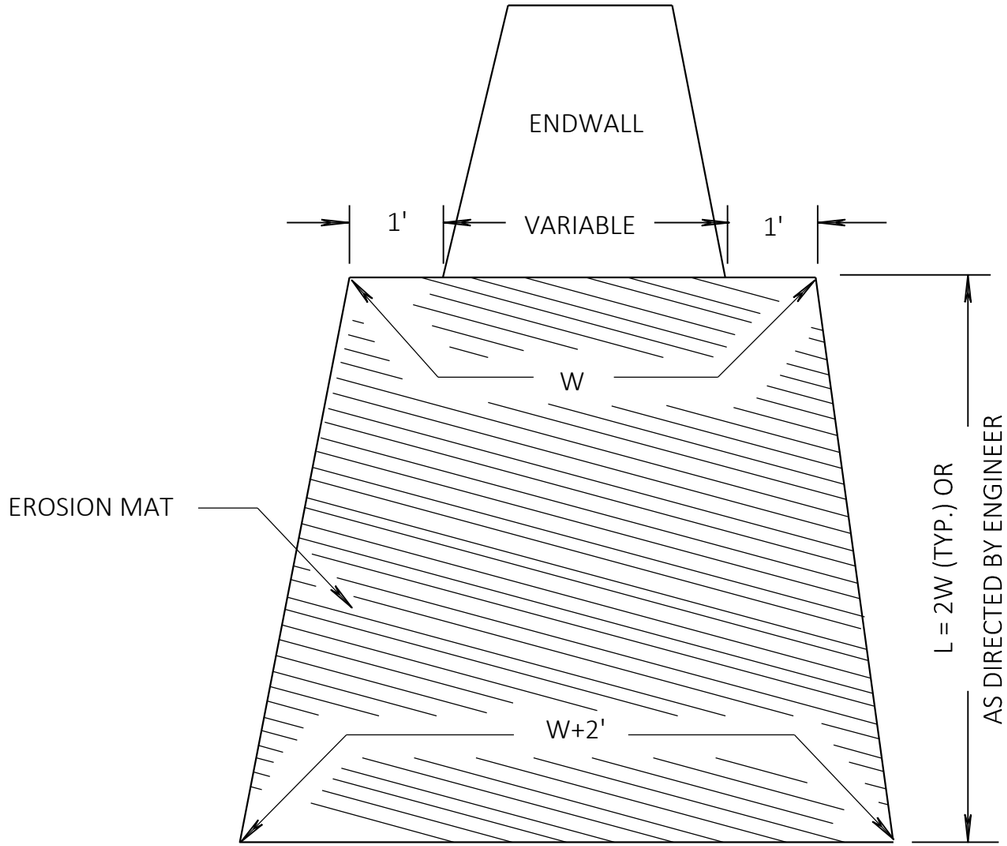
EROSION MAT DETAIL FOR DITCHES



* DISTURBED AREAS TO BE FERTILIZED & SEEDED

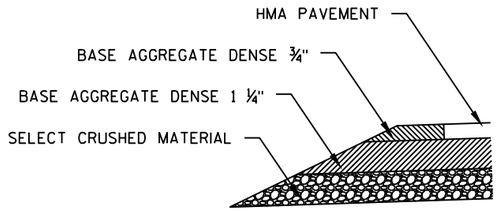
DETAIL FOR FINISHING ITEMS

2

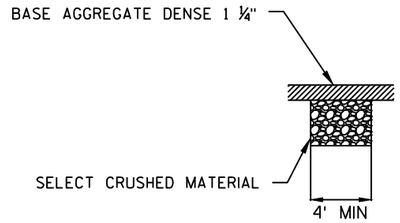


EROSION MAT TREATMENT AT CULVERTS

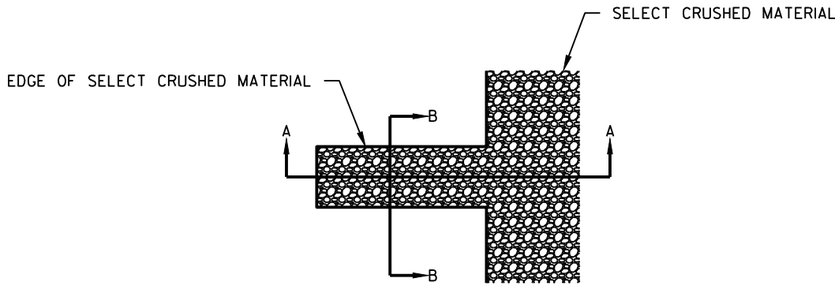
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 20	E



SECTION A-A



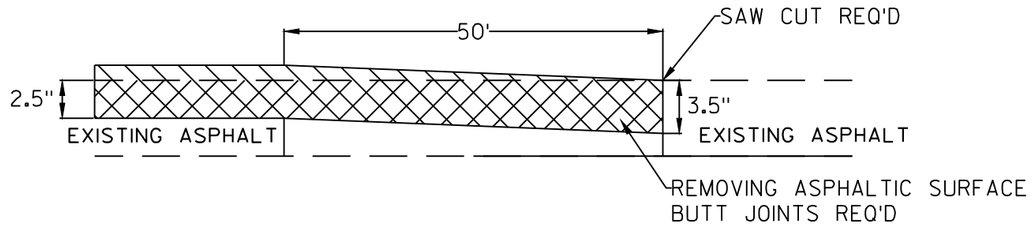
SECTION B-B



DETAIL FOR FRENCH DRAINS

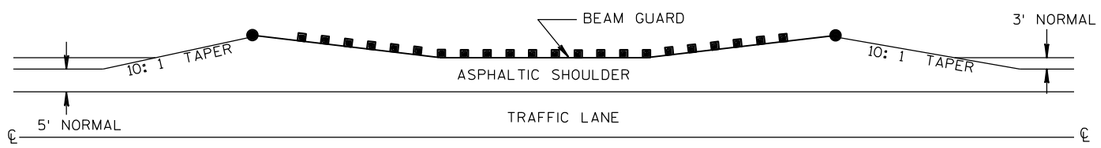
NOTES: PAID FOR AS SELECT CRUSHED MATERIAL

PLACE EVERY 250' AND AT LOW POINTS

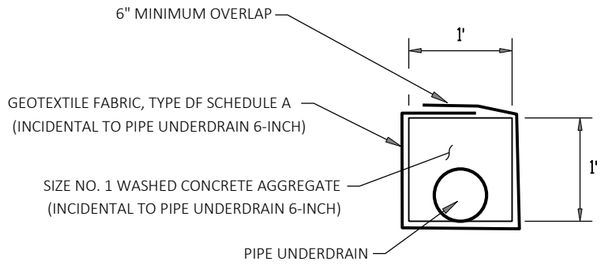


BEGIN PROJECT BUTT JOINT DETAIL

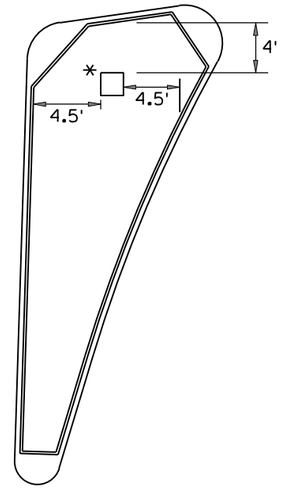
STA 28+50 - 29+00



DETAIL FOR ASPHALTIC SHOULDER AT BEAM GUARD

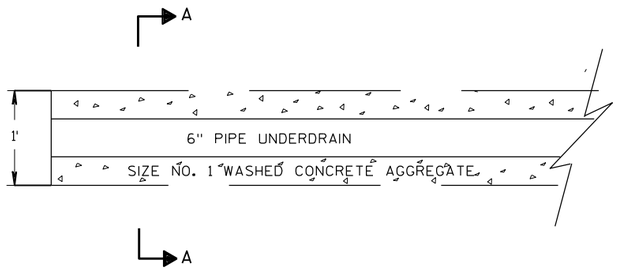


SECTION A-A



DETAIL OF OPENINGS IN ISLAND FOR SIGN PLACEMENT (DIANE AVE)

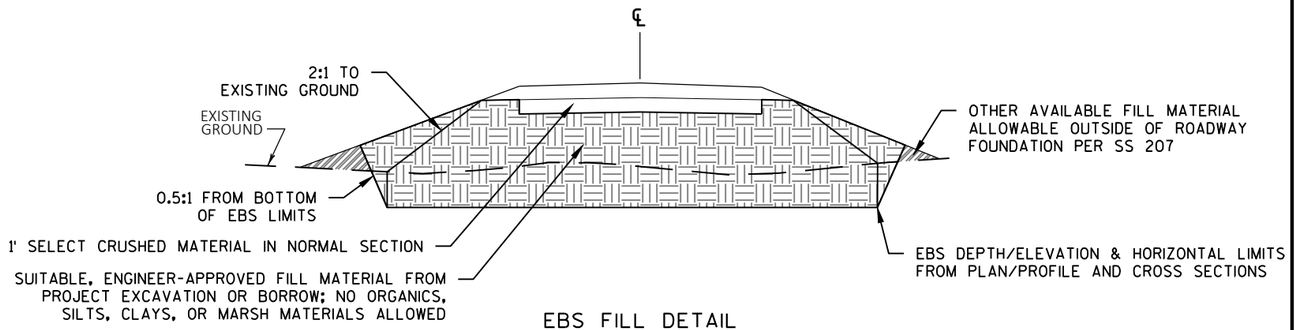
*NOTE: ALL SQUARED OPENINGS IN ISLAND FOR SIGN PLACEMENTS SHALL BE 18" SQUARE UNLESS REVISED BY PROJECT ENGINEER.



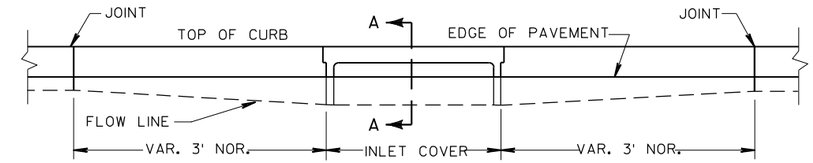
PLAN VIEW

UNDERDRAIN DETAIL

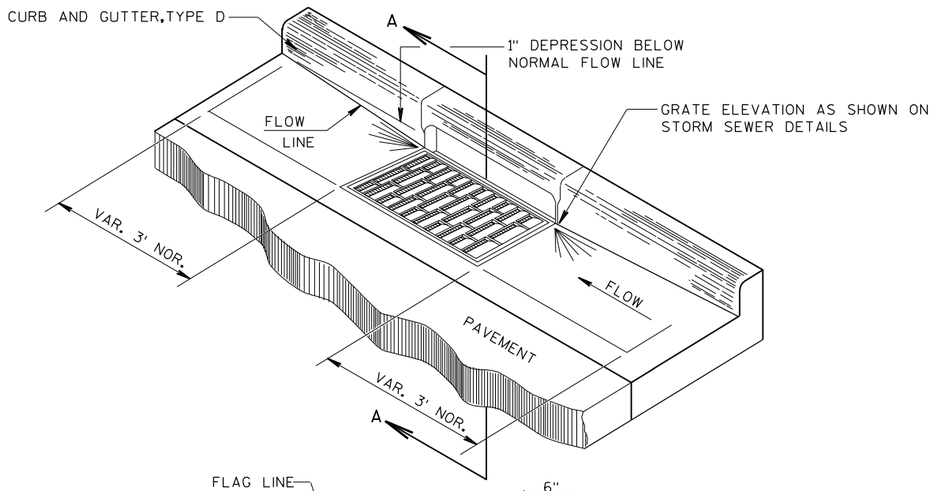
NE QUAD: STA 283+57 - 110+19"NB"
SE QUAD: STA 285+86 - 103+63"NB"
SW QUAD: STA 105+44"NB" - 291+14
NW QUAD: STA 110+29"NB" - 289+07

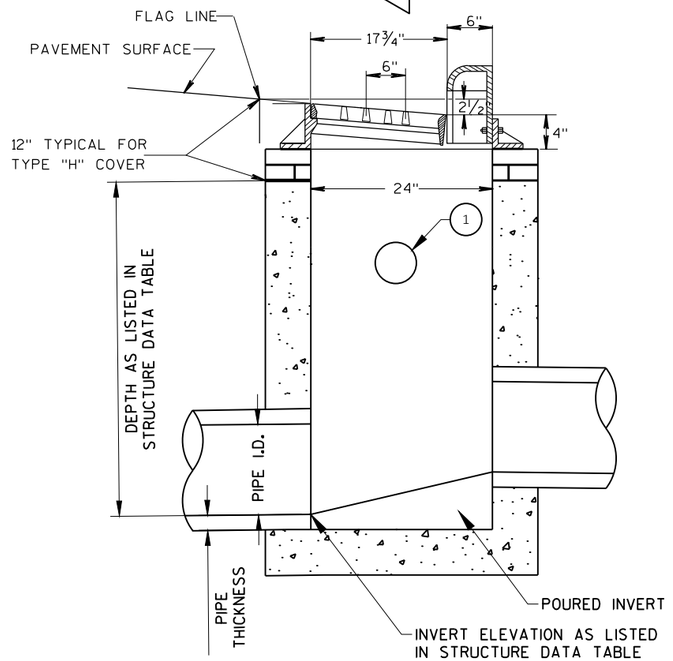


EBS FILL DETAIL



ELEVATION





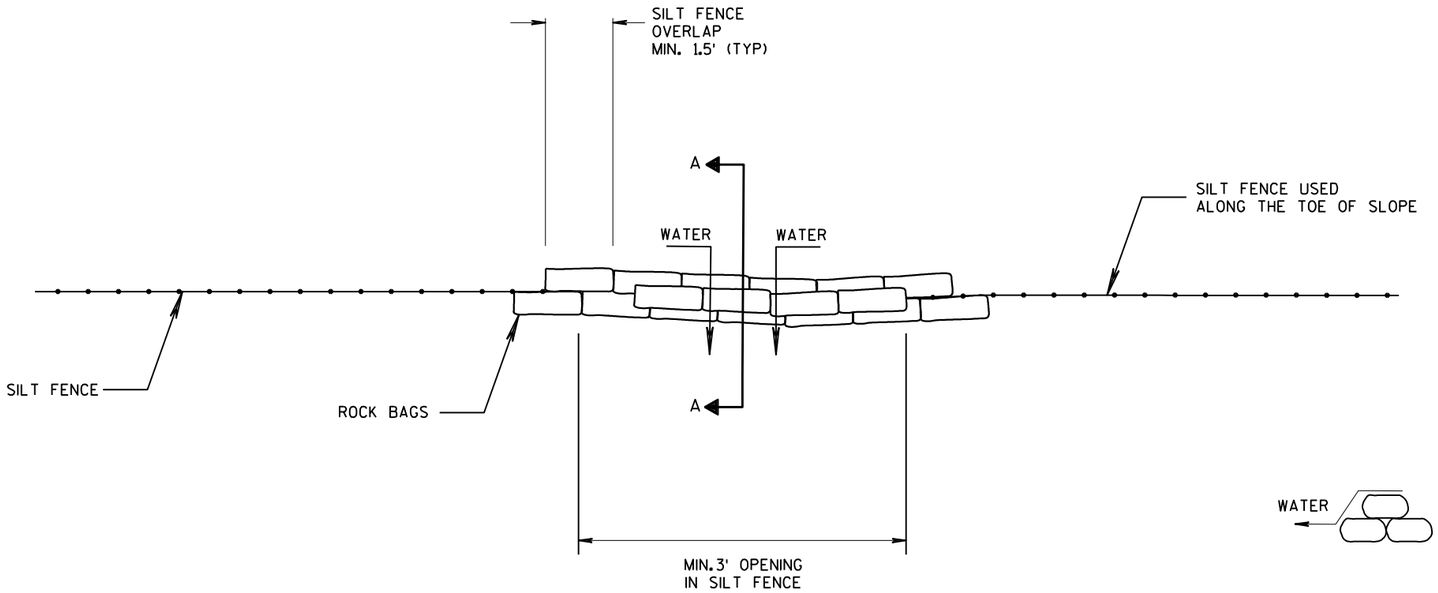
(1) PIPE UNDERDRAIN 6-INCH WITH GEOTEXTILE FABRIC TYPE DF SCHEDULE A AND BACKFILL COARSE AGGREGATE SIZE NO. 1. SEE "PIPE UNDERDRAIN 6-INCH DETAIL" AND MISCELLANEOUS QUANTITIES FOR LOCATIONS AND ADDITIONAL INFORMATION.

SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS AT SAG LOCATIONS

(INLET TYPE 2X3-H SHOWN)

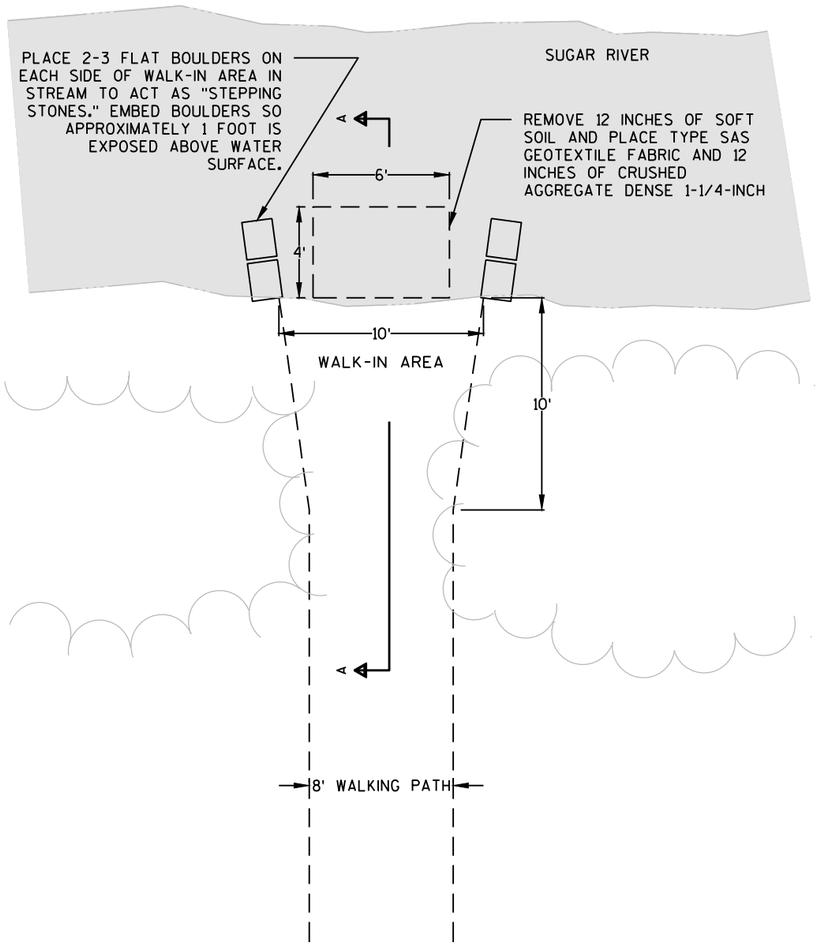
2



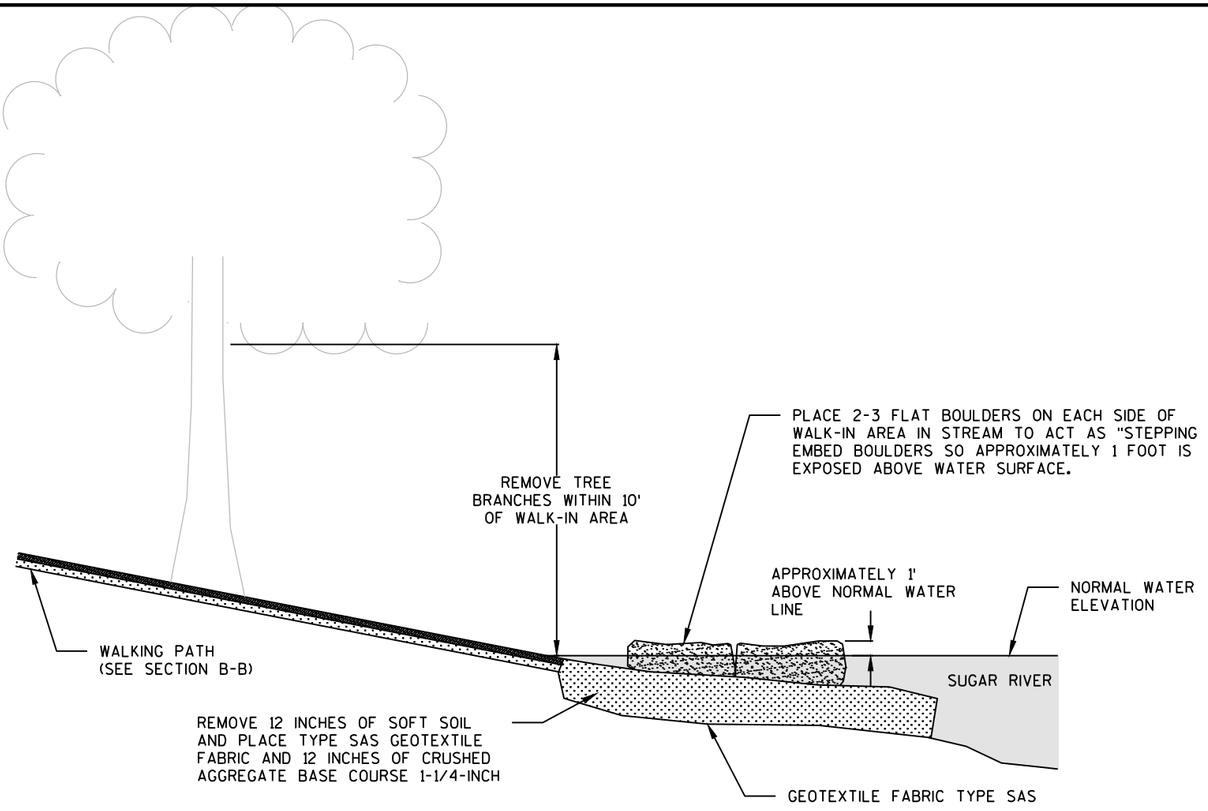
TOP VIEW

SECTION A-A

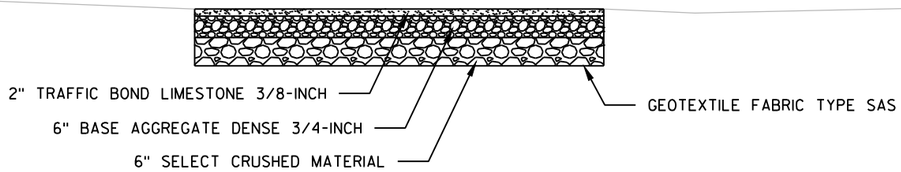
ROCK BAGS USED FOR SILT FENCE RELIEF DETAIL



PLAN



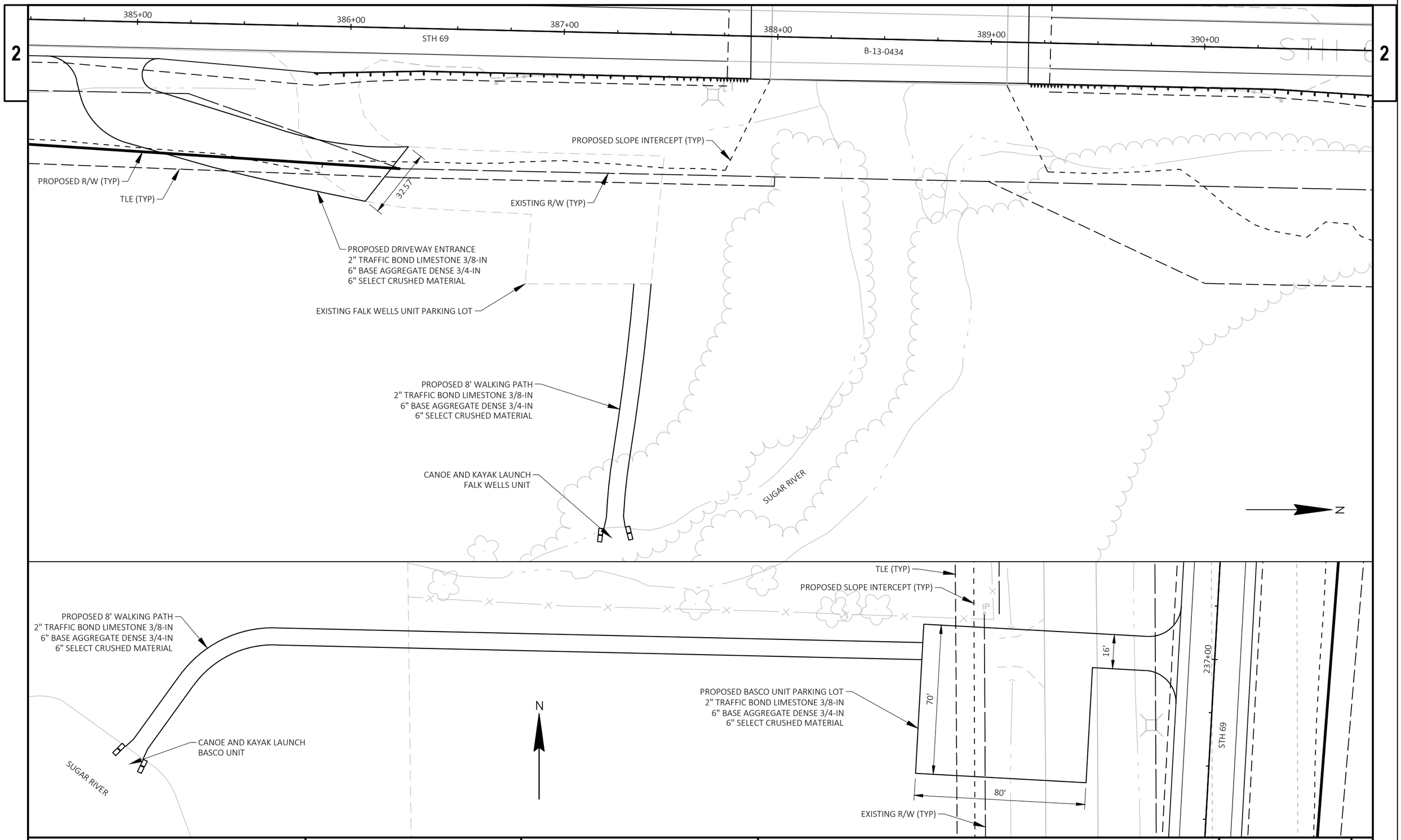
SECTION A-A



TYPICAL SECTION
(WALKING PATH AND PARKING LOT)

DETAIL FOR CANOE AND KAYAK LAUNCH

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 25	E



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CONSTRUCTION DETAILS: CANOE AND KAYAK LAUNCHES	SHEET 26	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021002-CD.DWG
LAYOUT NAME - 10
PLOT DATE : 8/20/2021 4:04 PM
PLOT BY : BRAD GROH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

CTH PB

105PB+00

STA 105+84.44, 31.00' R
EL 903.62

STA 105+84.52, 115.25' R
EL 904.55

STA 105+68.83, 109.39' R
EL 904.60

STA 105+49.75, 107.34' R
EL 904.60

STA 105+26.15, 97.89' R
EL 904.70

STA 105+23.43, 16.00' R
EL 903.73

STA 105+23.43, 18.50' R
EL 903.72

STA 105+23.43, 33.27' R
EL 903.68

STA 104+92.23, 19.00' R
EL 903.81

STA 104+92.23, 16.00' R
EL 903.81

STA 105+01.31, 92.82' R
EL 904.93

903.7
903.8
903.9
904.0
904.1
904.2
904.3
904.4
904.5

EXISTING R/W (TYP)

PROPOSED SLOPE INTERCEPT (TYP)

PROPOSED R/W (TYP)

3/4" BASE AGGREGATE DENSE

TLE (TYP)

ZWINGLI UCC

SIGN

SERV

N

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CONSTRUCTION DETAILS: ZWINGLI UCC PARKING LOT	SHEET 27	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021002-CD.DWG
LAYOUT NAME - 11

PLOT DATE : 7/30/2021 10:55 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

N

31+51.8
23.0' RT
(874.96)

31+50.1
24.8' RT
874.89

31+52.5
26.7' RT
874.81

TYPE 4B1

31+46.7
26.9' RT
874.99

SLOPE INTECEPT

31+37.2
28.5' RT
(874.91)

31+60.9
32.6' RT
(874.53)

4.0%
4.0%
2.6%
3.0%
2.3%
4.0%
0.8%
1.5%
5'
1.5%
1.5%
3.0%
8.3%
4.3%
0.6%

EXISTING R/W

31+57.2
31.6' RT
874.66

31+37.2
31.9' RT
(874.98)

31+46.9
31.9' RT
874.91

31+52.6
31.7' RT
874.73

31+58.9
34.0' RT
(874.90)

PROPOSED R/W

TLE

FEDERAL AVE

N

SLOPE INTECEPT

32+24.2
22.9' RT
(874.73)

32+25.3
25.1' RT
874.66

EXISTING R/W

TYPE 4B1

32+25.8
27.1' RT
874.51

32+31.8
27.2' RT
874.69

32+41.7
28.7' RT
(874.47)

32+21.6
27.1' RT
874.47

4.0%
4.5%
4.0%
2.2%
3.0%
1.0%
2.8%
1.5%
5'
1.5%
1.4%

DWF CHORD LENGTH: 8'
DWF AREA: 16.99 SF

R=34.7'

3.0%

32+15.3
32.0' RT
874.28

32+31.7
32.2' RT
874.62

32+41.7
32.3' RT
(874.48)

4.0%

1.5%

32+11.5
32.4' RT
(874.26)

32+25.7
32.1' RT
874.44

8.0%
8.5%
10'

TLE

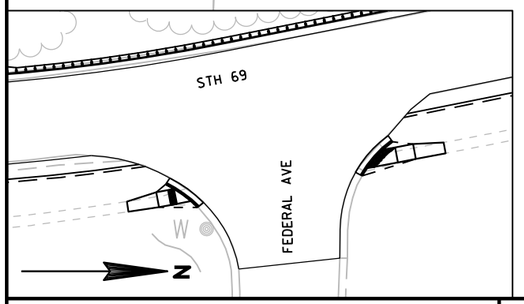
PROPOSED R/W

32+13.2
34.2' RT
874.55)

NOTE: SEE SDD "CURB RAMPS" FOR ADDITIONAL DETAILS

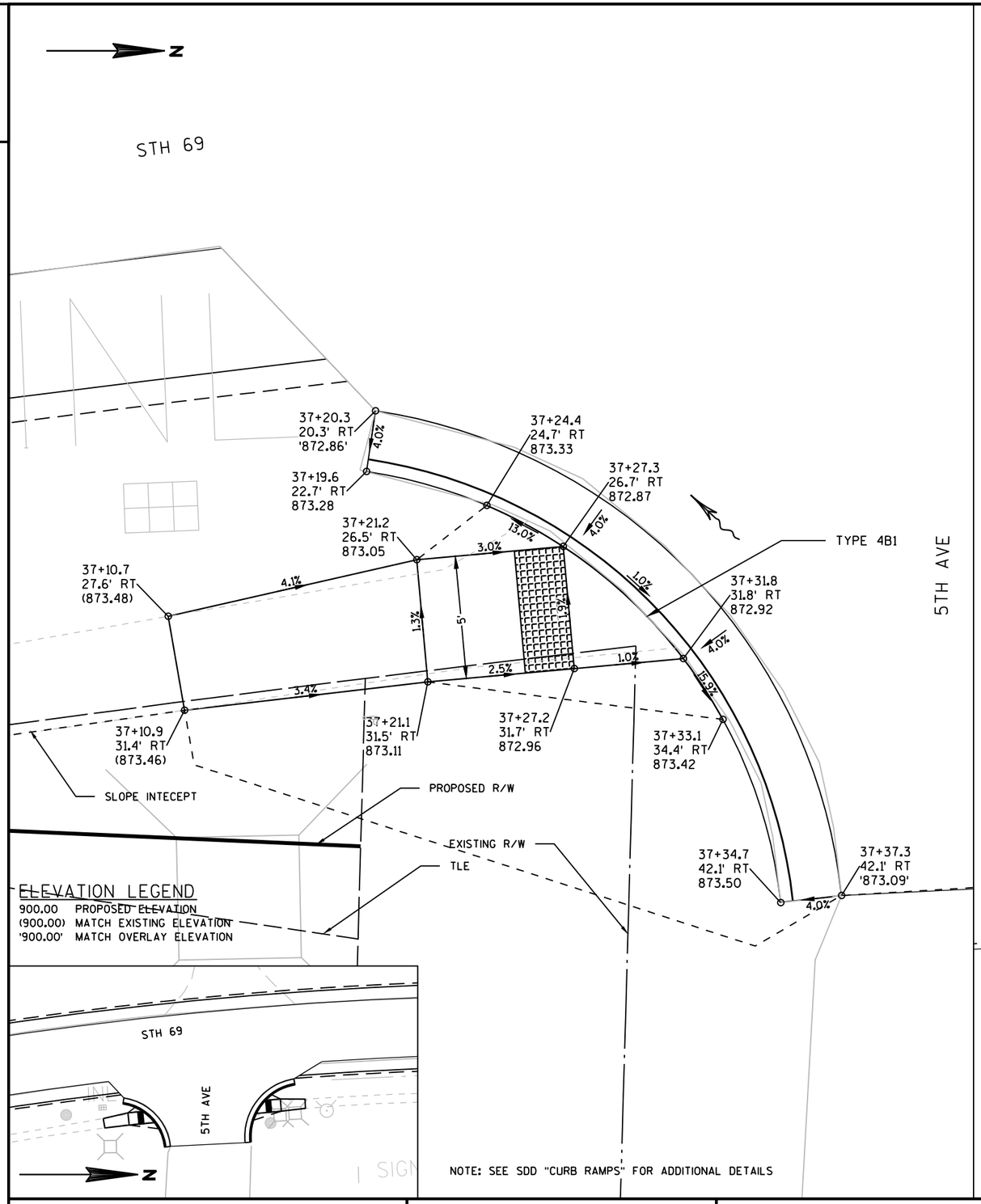
ELEVATION LEGEND

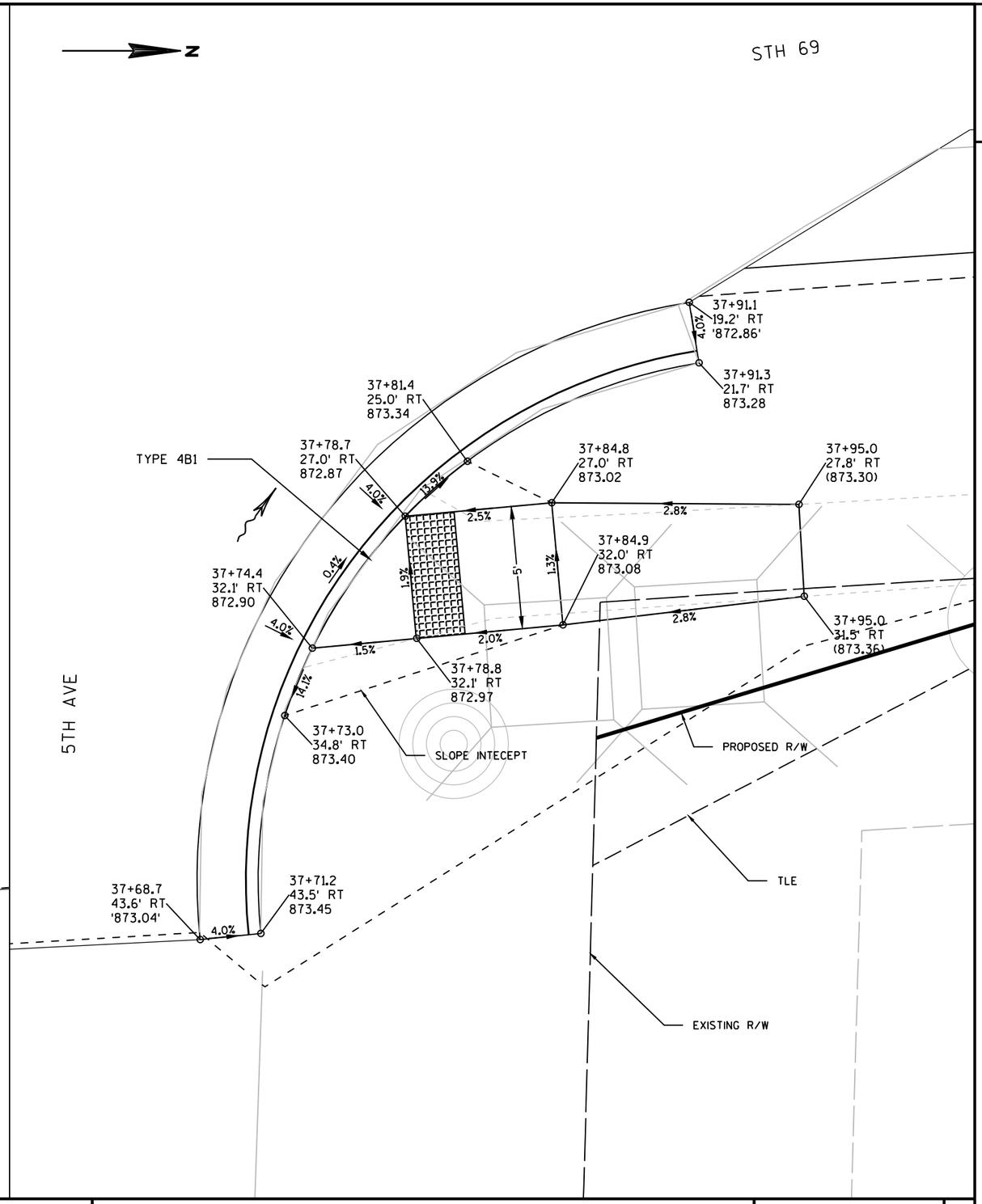
900.00 PROPOSED ELEVATION
(900.00) MATCH EXISTING ELEVATION
'900.00' MATCH OVERLAY ELEVATION



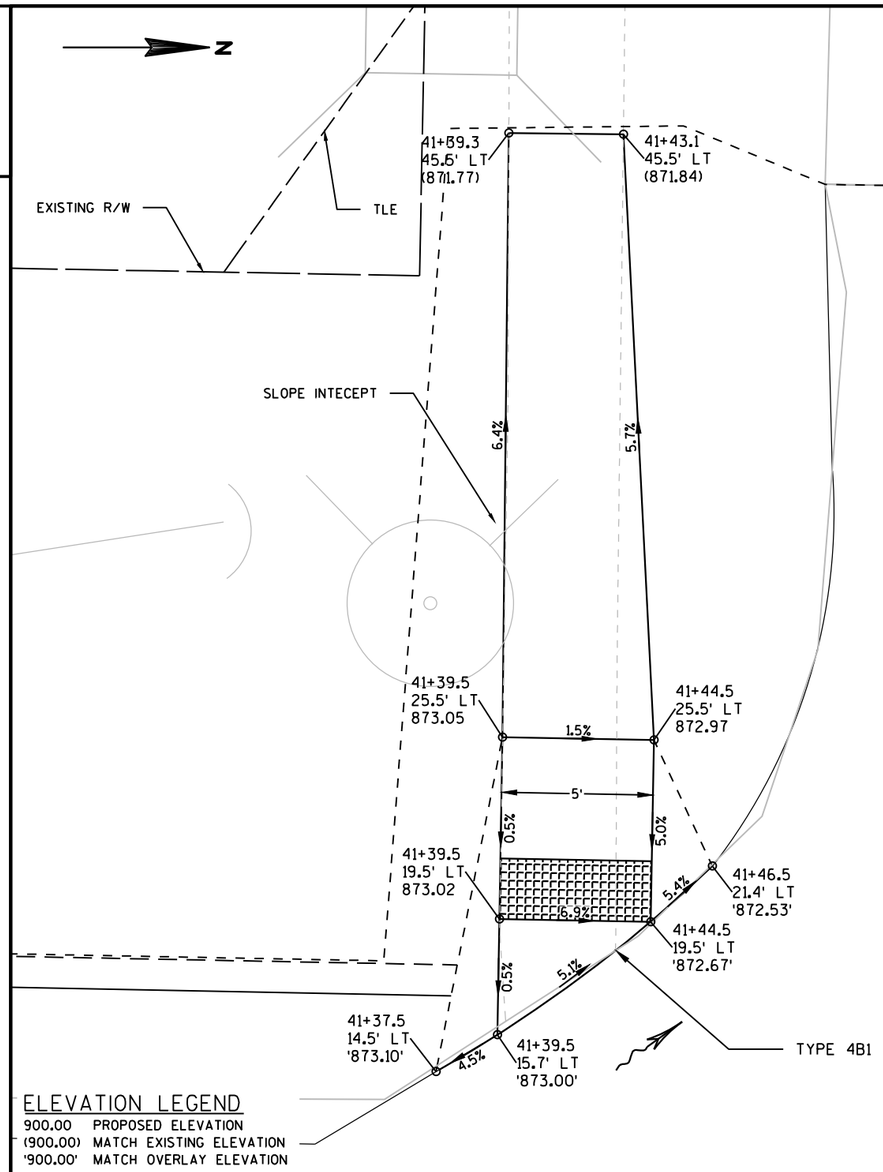
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CURB RAMP DETAILS - FEDERAL AVE	SHEET 28	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021002-CR.DWG
LAYOUT NAME - Federal Ave
PLOT DATE : 7/30/2021 11:08 AM
PLOT BY : BRAD GROH
PLOT NAME :
PLOT SCALE : 1 IN:5 FT



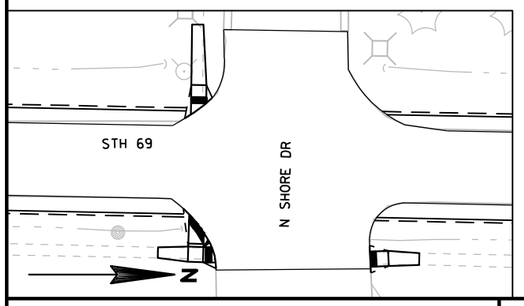


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CURB RAMP DETAILS - 5TH AVE	SHEET 29	E

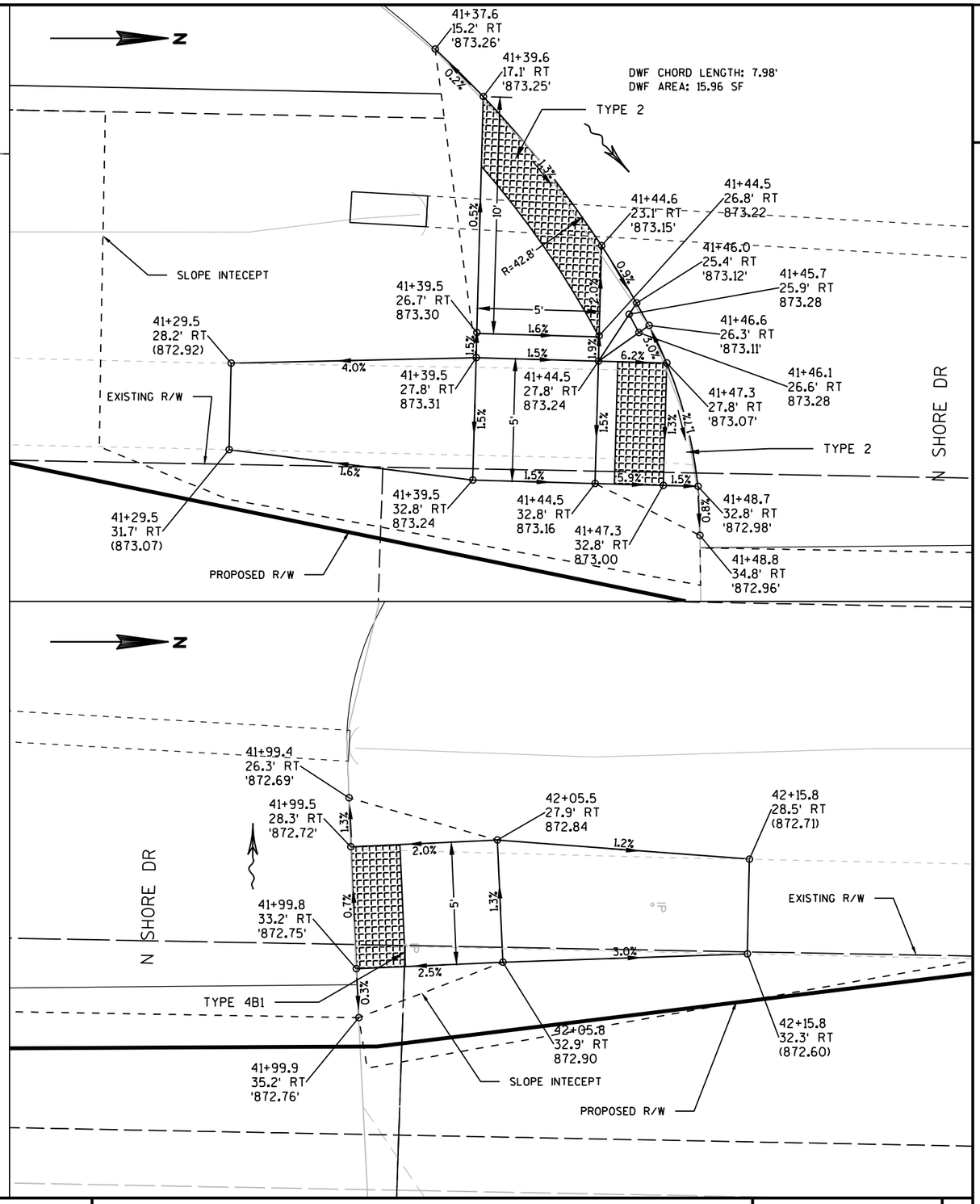


ELEVATION LEGEND

900.00 PROPOSED ELEVATION
(900.00) MATCH EXISTING ELEVATION
'900.00' MATCH OVERLAY ELEVATION



NOTE: SEE SDD "CURB RAMPS" FOR ADDITIONAL DETAILS



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CURB RAMP DETAILS - N SHORE DR	SHEET 30	E

N

STH 69

DWF CHORD LENGTH: 9.96'
DWF AREA: 21.27 SF

TYPE 4B1

46+56.8
26.1' RT
(872.04)

46+55.9
28.5' RT
(872.40)

46+60.5
30.5' RT
871.91

46+40.5
30.5' RT
(871.72)

46+50.5
30.5' RT
872.04

46+55.5
30.5' RT
871.97

46+69.2
35.5' RT
871.67

46+73.4
35.5' RT
(871.73)

46+40.5
34.7' RT
(871.54)

46+50.5
35.5' RT
871.96

46+55.5
35.5' RT
871.89

46+55.5
37.5' RT
871.93

46+71.8
37.5' RT
(872.10)

46+50.5
40.5' RT
872.02

46+74.2
49.0' RT
(872.19)

46+72.4
52.6' RT
(872.20)

3.1%
1.5%
1.6%
5'
9.7%
1.1%
2.9%
4.0%
2.6%
R=66.1'
14'
13.0%
5.5%
4.2%
2.3%
1.2%
1.24
0.7%

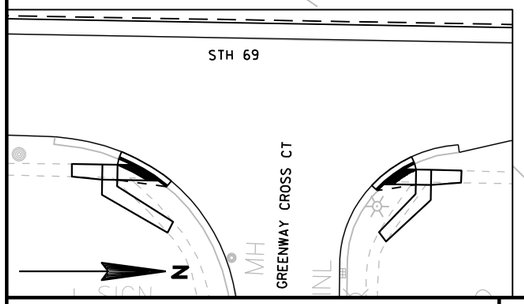
SLOPE INTECEPT

EXISTING R/W

PROPOSED R/W

NOTE: SEE SDD "CURB RAMPS" FOR ADDITIONAL DETAILS

ELEVATION LEGEND
900.00 PROPOSED ELEVATION
(900.00) MATCH EXISTING ELEVATION
'900.00' MATCH OVERLAY ELEVATION



N

STH 69

DWF CHORD LENGTH: 8.19'
DWF AREA: 17.24 SF

TYPE 4B1

47+52.5
26.1' RT
(872.34)

47+53.6
28.4' RT
(872.70)

47+50.0
30.4' RT
872.21

47+54.1
30.4' RT
872.25

47+59.1
30.4' RT
872.33

47+69.1
30.4' RT
(872.58)

47+43.5
35.4' RT
872.02

47+39.7
35.7' RT
(871.67)

47+41.4
37.5' RT
(871.95)

47+54.1
35.4' RT
872.18

47+59.1
35.4' RT
872.25

47+69.0
34.5' RT
(872.57)

47+54.1
38.4' RT
872.22

47+59.1
40.4' RT
872.31

47+42.1
51.2' RT
(872.35)

47+44.6
54.2' RT
(872.57)

5.4%
4.0%
11.8%
1.0%
1.5%
2.6%
2.2%
R=40.1'
1.4%
5'
11'
3.2%
5.9%
2.4%
1.3%
1.2%
0.8%
1.3%

SLOPE INTECEPT

EXISTING R/W

PROPOSED R/W

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CURB RAMP DETAILS - GREENWAY CROSS CT	SHEET 31	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021002-CR.DWG
LAYOUT NAME - Greenway Cross Ct

PLOT DATE : 7/30/2021 11:13 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:5 FT

2

N

STH 69

TYPE 2

51+99.5
17.0' RT
'874.81'

51+92.5
17.0' RT
'874.69'

51+97.5
17.0' RT
'874.77'

51+90.5
17.0' RT
'874.66'

1.5%

1.7%

1.4%

RRFB

1.0%

1.0%

5'

B

51+75.4
28.5' RT
(873.88)

51+92.5
27.4' RT
874.79

51+97.5
27.5' RT
874.88

5.2%

1.7%

1.5%

5'

1.5%

1.7%

5.3%

51+75.5
32.3' RT
(873.97)

51+92.4
32.4' RT
874.87

51+97.4
32.5' RT
874.95

SLOPE INTECEPT

EXISTING R/W

REMOVE EXISTING SIDEWALK

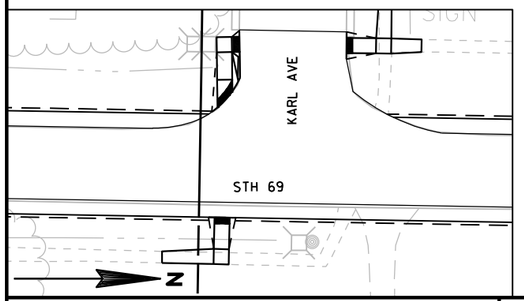
UTILITY EASEMENT

ELEVATION LEGEND

900.00 PROPOSED ELEVATION

(900.00) MAICH EXISTING ELEVATION

'900.00' MATCH OVERLAY ELEVATION



N

EXISTING R/W

SLOPE INTECEPT

51+99.6
44.7' LT
'873.69'

51+92.2
42.4' LT
873.95

51+97.1
42.6' LT
873.87

1.5%

5.0%

2.4%

51+99.7
42.7' LT
'873.74'

TYPE 2

1.5%

5'

1.5%

1.5%

51+92.3
37.4' LT
874.02

51+97.3
37.6' LT
873.94

1.5%

5.0%

51+99.9
37.7' LT
'873.82'

CULVERT PIPE EXTENSION

1.6%

52+00.0
35.7' LT
'873.85'

1.4%

0.4%

51+99.4
36.0' LT
874.01

KARL AVE

5'

51+92.6
28.3' LT
874.15

3.4%

51+99.4
28.8' LT
874.06

51+99.6
28.1' LT
'873.89'

2.0%

2.2%

R=27.6'

B

0.5%

9'

51+97.6
28.5' LT
873.98

51+97.8
24.8' LT
'873.90'

5.8%

51+92.9
19.2' LT
'874.10'

TYPE 2

51+91.0
17.7' LT
'874.25'

DWF CHORD LENGTH: 7.32'
DWF AREA: 14.93 SF

RRFB

STH 69

NOTE: SEE SDD "CURB RAMPS" FOR ADDITIONAL DETAILS

N

52+45.7
57.9' LT
(874.19)

52+49.8
57.9' LT
(874.26)

SLOPE INTECEPT

TLE

0.5%

0.5%

52+35.0
44.9' LT
'873.94'

52+35.1
42.9' LT
'874.09'

1.5%

52+44.9
42.9' LT
874.26

52+49.9
43.0' LT
874.33

52+59.9
42.8' LT
(874.38)

1.7%

1.5%

0.4%

2.7%

5'

1.7%

1.7%

5'

1.1%

1.2%

1.5%

52+35.1
37.9' LT
'874.23'

2.3%

52+44.9
37.9' LT
874.34

52+49.9
38.0' LT
874.42

52+59.9
38.6' LT
(874.31)

52+35.1
35.9' LT
'874.27'

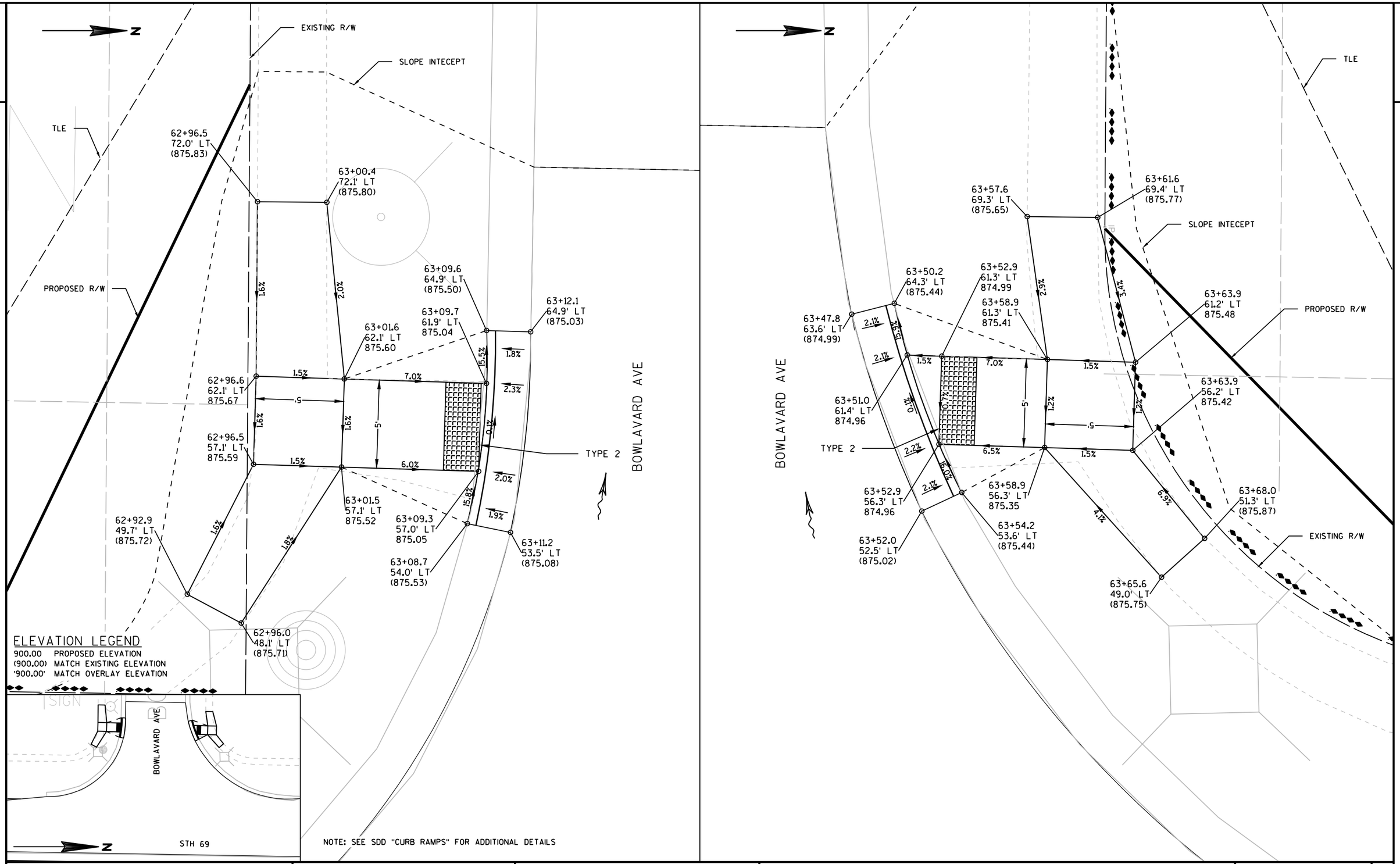
KARL AVE

CULVERT PIPE EXTENSION

REMOVE EXISTING SIDEWALK

2

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CURB RAMP DETAILS - KARL AVE	SHEET 32	E



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CURB RAMP DETAILS - BOWLAVARD AVE	SHEET 33	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021002-CR.DWG
LAYOUT NAME - Bowlavard Ave
PLOT DATE : 7/30/2021 11:16 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:5 FT

2

2

N

PROPOSED R/W

REMOVE EXISTING SIDEWALK

SLOPE INTECEPT

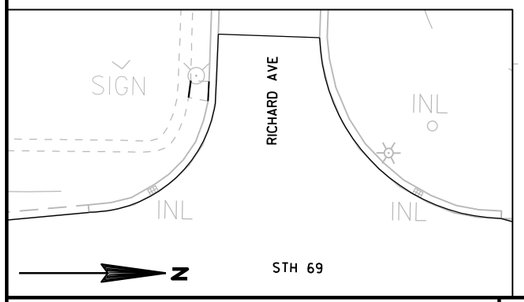
RICHARD AVE

EXISTING EASEMENT

EXISTING R/W

ELEVATION LEGEND

900.00 PROPOSED ELEVATION
(900.00) MATCH EXISTING ELEVATION
'900.00' MATCH OVERLAY ELEVATION



NOTE: SEE SDD "CURB RAMPS" FOR ADDITIONAL DETAILS

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CURB RAMP DETAILS - RICHARD AVE	SHEET 34	E

2

2" DEPTH OF TRAFFIC BOND LIMESTONE 3/8"
6" DEPTH BASE AGGREGATE DENSE 3/4"
6" DEPTH SELECT CRUSHED MATERIAL
GEOGRID TYPE SR

SLOPE INTECEPT

50+57.3"FR"
75.6' RT
(892.08)

50+65.3"FR"
78.1' RT
(892.04)

8.5'

BADGER STATE TRAIL

50+69.9"FR"
38.4' RT

50+78.4"FR"
41.3' RT

EXISTING R/W

50+78.0"FR"
21.3' RT
891.53

50+73.2"FR"
18.0' RT
891.64

50+79.5"FR"
17.4' RT
891.54

50+79.1"FR"
18.5' RT
891.56

9.0'

1.4%

2.0%

1.0%

CONCRETE SIDEWALK 4-INCH

50+86.5"FR"
24.4' RT
891.41

50+87.5"FR"
21.6' RT
891.44

50+89.7"FR"
16.3' RT
891.55

50+91.2"FR"
19.2' RT
891.49

50+92.3"FR"
19.0' LT
891.50

50+93.0"FR"
21.9' LT
891.47

50+90.0"FR"
18.0' LT
891.95

50+92.0"FR"
17.4' LT
891.53

0.5%

9.0'

51+00.7"FR"
14.9' LT
891.59

51+01.8"FR"
19.9' LT
891.52

51+01.1"FR"
17.0' LT
891.55

51+07.3"FR"
17.3' LT
891.55

50+97.8"FR"
41.8' LT

51+03.2"FR"
57.0' LT
(891.92)

8.9

51+06.3"FR"
38.8' LT

51+11.6"FR"
54.1' LT
(892.04)

FRENCHTOWN RD

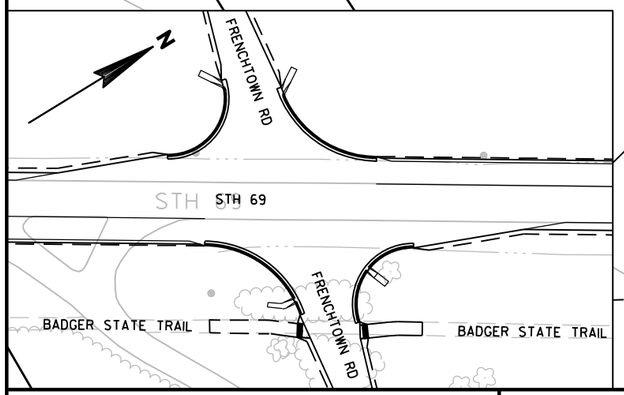
PROPOSED R/W

R=41.0

R=50.0

51+45.0"FR"
25.1' LT

ELEVATION LEGEND
900.00 PROPOSED ELEVATION
(900.1) MATCH EXISTING ELEVATION



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	BIKE PATH DETAILS - FRENCHTOWN RD CROSSING	SHEET 35	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021002-CR.DWG
LAYOUT NAME - Frenchtown Bike path
PLOT DATE : 7/30/2021 11:17 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:10 FT

2

167+00

168+00

2

STH 69

CONCRETE SIDEWALK 4-INCH

167+61.1
29.0' RT
891.96

167+71.1
29.0' RT
891.90

2.0%

0.5%

2.0%

167+61.1
31.0' RT
891.92

1.0%

1.0%

167+71.1
31.0' RT
891.86

167+61.1
34.0' RT
891.91

10.0'

167+71.1
34.0' RT
891.83

2" DEPTH OF TRAFFIC BOND LIMESTONE 3/8"
6" DEPTH BASE AGGREGATE DENSE 3/4"
6" DEPTH SELECT CRUSHED MATERIAL
GEOGRID TYPE SR

EXISTING R/W

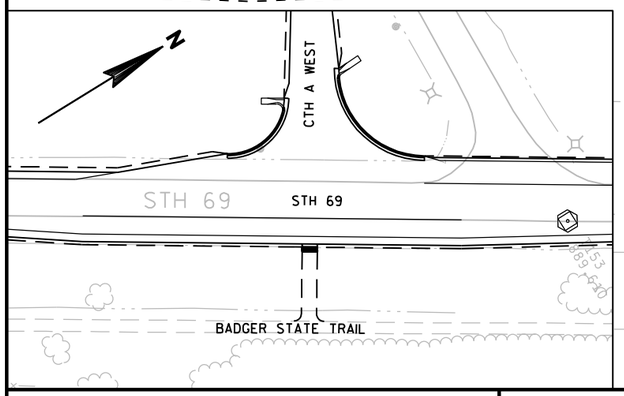
PROPOSED R/W

10.0'

SLOPE INTECEPT

ELEVATION LEGEND

900.00 PROPOSED ELEVATION
(900.1) MATCH EXISTING ELEVATION



167+61.1
74.8' RT

167+56.1
74.8' RT

R=5.0'

167+56.1
79.8' RT
(889.75)

167+71.1
74.8' RT

167+76.1
74.8' RT

R=5.0'

167+76.1
79.8' RT
(889.74)

BADGER STATE TRAIL

N

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	BIKE PATH DETAILS - CTH A WEST CONNECTION	SHEET 36	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021002-CR.DWG
LAYOUT NAME - CTH A W Bike Path

PLOT DATE : 7/30/2021 11:18 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

2

EXISTING R/W

2" DEPTH OF TRAFFIC BOND LIMESTONE 3/8"
6" DEPTH BASE AGGREGATE DENSE 3/4"
6" DEPTH SELECT CRUSHED MATERIAL
GEOGRID TYPE SR

CTH A EAST

PROPOSED R/W

2" DEPTH OF TRAFFIC BOND LIMESTONE 3/8"
6" DEPTH BASE AGGREGATE DENSE 3/4"
6" DEPTH SELECT CRUSHED MATERIAL
GEOGRID TYPE SR

EXISTING R/W

52+31.2"AE"
36.5' RT
(891.55)

52+41.6"AE"
16.7' RT
891.84

52+43.1"AE"
14.0' RT
891.87

52+44.7"AE"
11.0' RT
891.90

52+59.1"AE"
11.0' LT
892.01

52+62.5"AE"
17.3' LT
891.94

52+64.0"AE"
20.0' LT
891.98

52+74.3"AE"
39.3' LT
(891.99)

BADGER STATE TRAIL

8.6'

9.0'

7.0'

7.2'

1.0%

0.2%

1.4%

1.3%

2.0%

CONCRETE SIDEWALK 4-INCH

52+38.2"AE"
40.8' RT
(891.58)

52+49.5"AE"
21.3' RT
891.86

52+51.0"AE"
18.7' RT
891.89

52+55.6"AE"
11.0' RT
891.80

52+66.9"AE"
11.0' LT
892.13

52+68.6"AE"
14.0' LT
892.07

52+70.0"AE"
16.6' LT
892.07

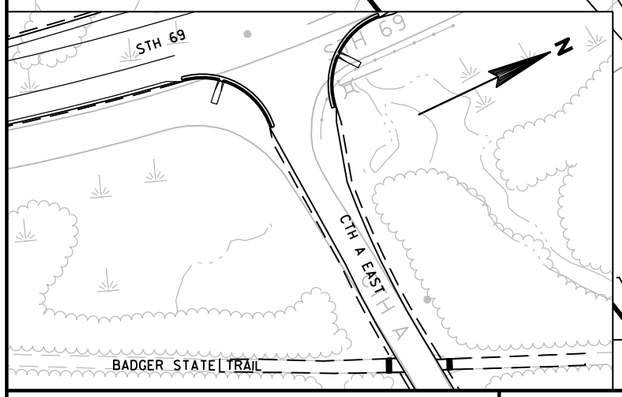
52+72.7"AE"
21.4' LT

52+80.5"AE"
35.9' LT
(892.38)

PROPOSED R/W

ELEVATION LEGEND

900.00 PROPOSED ELEVATION
(900.1) MATCH EXISTING ELEVATION



N

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	BIKE PATH DETAILS - CTH A EAST CROSSING	SHEET 37	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021002-CR.DWG
LAYOUT NAME - CTH A E Bike Path

PLOT DATE : 7/30/2021 11:18 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

CONCRETE SIDEWALK 4-INCH

49+91.1"PW"
37.0' LT
904.20

49+93.9"PW"
38.0' LT
904.14

49+83.8"PW"
34.5' LT
904.13

49+97.2"PW"
28.5' LT
904.04

PAOLI RD
CUL DE SAC
(WEST)

49+91.4"PW"
26.5' LT
904.13

49+94.4"PW"
27.5' LT
904.10

1.0% 2.0% 1.1% 1.0%

307+84.5
83.2' LT
902.94

10.0'

307+81.4
92.7' LT
902.74

307+13.1
71.8' LT
901.76

307+13.1
81.8' LT
901.56

307+13.1
301.8' LT

R=230.0'
R=220.0'

P.L.

STH 69

306+00

PAOLI RD BIKE PATH

2" DEPTH OF TRAFFIC BOND LIMESTONE 3/8"
6" DEPTH BASE AGGREGATE DENSE 3/4"
6" DEPTH SELECT CRUSHED MATERIAL
GEOGRID TYPE SR

EXISTING R/W

N

50

EXISTING R/W

304+52.4
20.8' LT

R=61.0'
R=51.0'

303+97.8
20.0' LT
908.18

303+96.7
17.0' LT
908.34

303+84.5
17.0' RT
908.27

908.12

303+73.7
17.0' RT
908.22

304+00

STH 69

303+86.1
17.0' LT
908.28

CONCRETE SIDEWALK 4-INCH

303+98.8
22.8' LT
908.15

304+00.2
26.7' LT
907.93

304+04.4
38.3' LT
907.42

303+88.4
23.4' LT
908.08

303+89.4
26.2' LT
908.05

303+95.0
41.7' LT
907.22

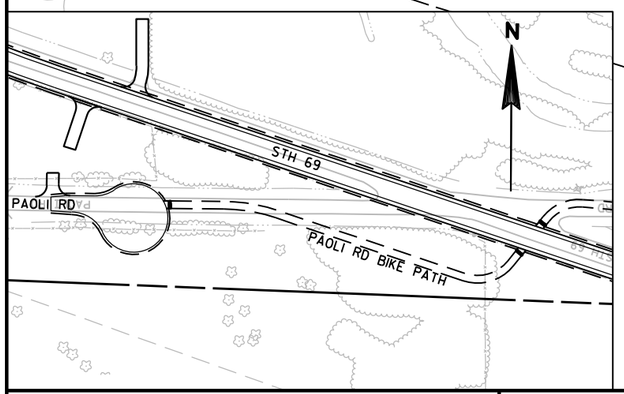
304+52.4
71.8' LT
903.56

304+52.4
81.8' LT
903.36

10.0'

PAOLI RD BIKE PATH

ELEVATION LEGEND
900.00 PROPOSED ELEVATION
(900.1) MATCH EXISTING ELEVATION



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	BIKE PATH DETAILS - PAOLI RD PATH (WEST)	SHEET 38	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021002-CR.DWG
LAYOUT NAME - Paoli Rd W Bike Path

PLOT DATE : 7/30/2021 11:19 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

303+11.3
302.6' RT
R=230.0'
R=220.0'

303+36.1
70.1' RT
906.06

302+59.2
88.9' RT
904.68

302+43.1
93.4' RT
904.62

303+80.9
26.4' RT
907.97

303+79.0
31.7' RT
907.65

303+69.6
28.3' RT
907.85

303+33.7
60.4' RT
906.26

10.0'

PAOLI RD BIKE PATH

303+82.0
23.4' RT
908.00

303+71.6
22.8' RT
908.09

302+56.8
79.1' RT
904.88

302+40.0
83.9' RT
904.82

2" DEPTH OF TRAFFIC BOND LIMESTONE 3/8"
6" DEPTH BASE AGGREGATE DENSE 3/4"
6" DEPTH SELECT CRUSHED MATERIAL
GEOGRID TYPE SR

4.0%
1.0%
1.2%
3.1%

303+72.6
20.0' RT
908.12

303+84.3
17.0' RT
908.27

303+73.7
17.0' RT
908.22

SLOPE INTECEPT

EXISTING R/W

N

CONCRETE SIDEWALK 4-INCH

303+21.6
10.8' RT

R=51.0'
R=61.0'

STH 69

303+86.1
17.0' LT
908.28

4.0%
1.0%
4.0%

R=230.0'
R=220.0'

SLOPE INTECEPT

302+59.2
88.9' RT
904.68

302+43.1
93.4' RT
904.62

50+09.2"PE"
37.2' LT
904.08

50+06.4"PE"
38.2' LT
904.07

50+16.3"PE"
34.6' LT
904.10

PAOLI RD BIKE PATH

10.0'

0.3%

0.5%

50+03.0"PE"
28.7' LT
904.16

PAOLI RD
CUL DE SAC
(EAST)

CONCRETE SIDEWALK 4-INCH

1.1%
1.1%

50+08.8"PE"
26.7' LT
904.10

302+56.8

302+40.0

50+05.8"PE"
27.7' LT
904.13

2" DEPTH OF TRAFFIC BOND LIMESTONE 3/8"
6" DEPTH BASE AGGREGATE DENSE 3/4"
6" DEPTH SELECT CRUSHED MATERIAL
GEOGRID TYPE SR

N

PAOLI RD BIKE PATH

PAOLI RD

STH 69

N

EXISTING R/W

SLOPE INTECEPT

ELEVATION LEGEND

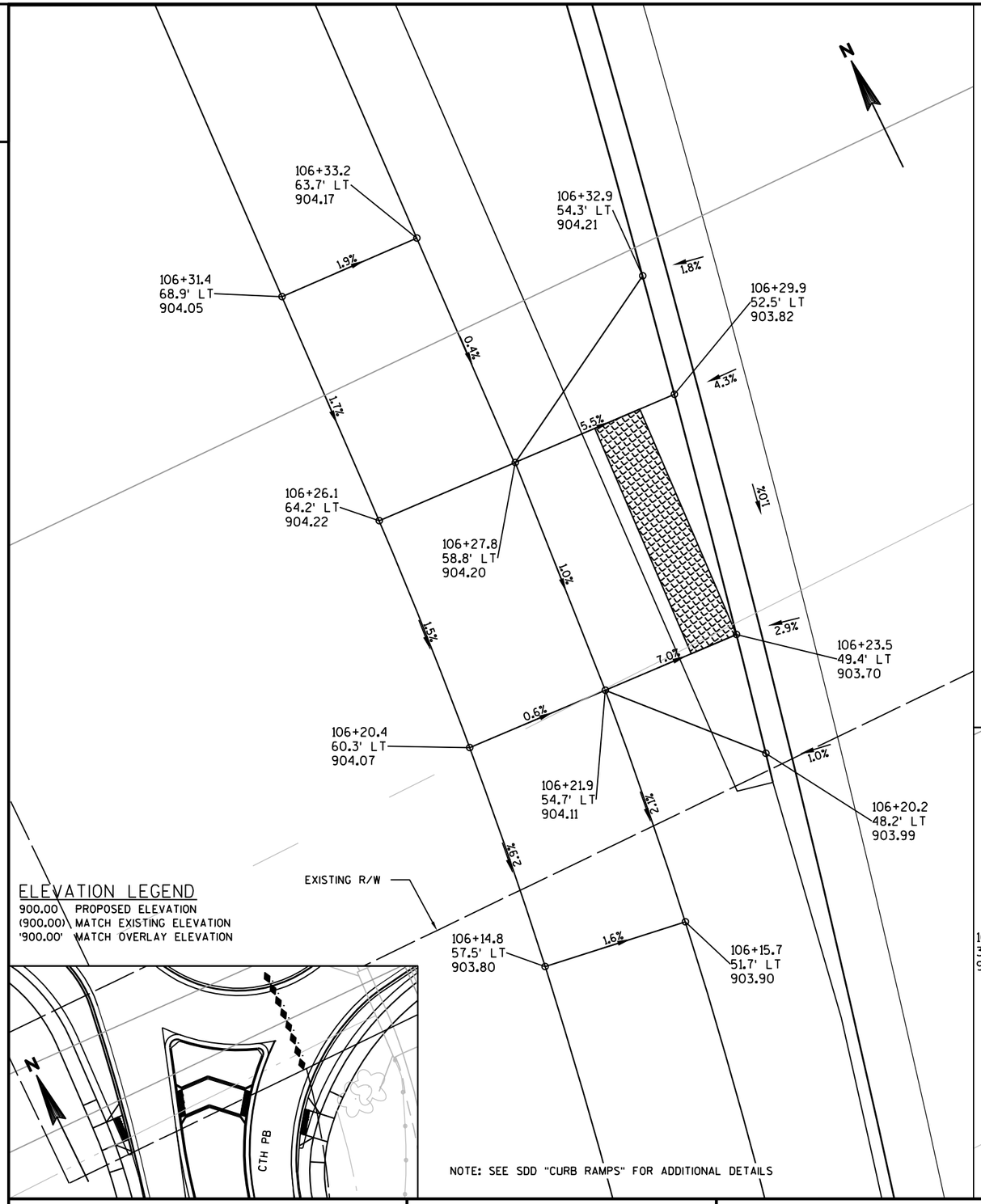
900.00 PROPOSED ELEVATION
(900.1) MATCH EXISTING ELEVATION

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	BIKE PATH DETAILS - PAOLI RD PATH (EAST)	SHEET 39 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021002-CR.DWG
LAYOUT NAME - Paoli Rd E Bike Path

PLOT DATE : 7/30/2021 11:21 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT

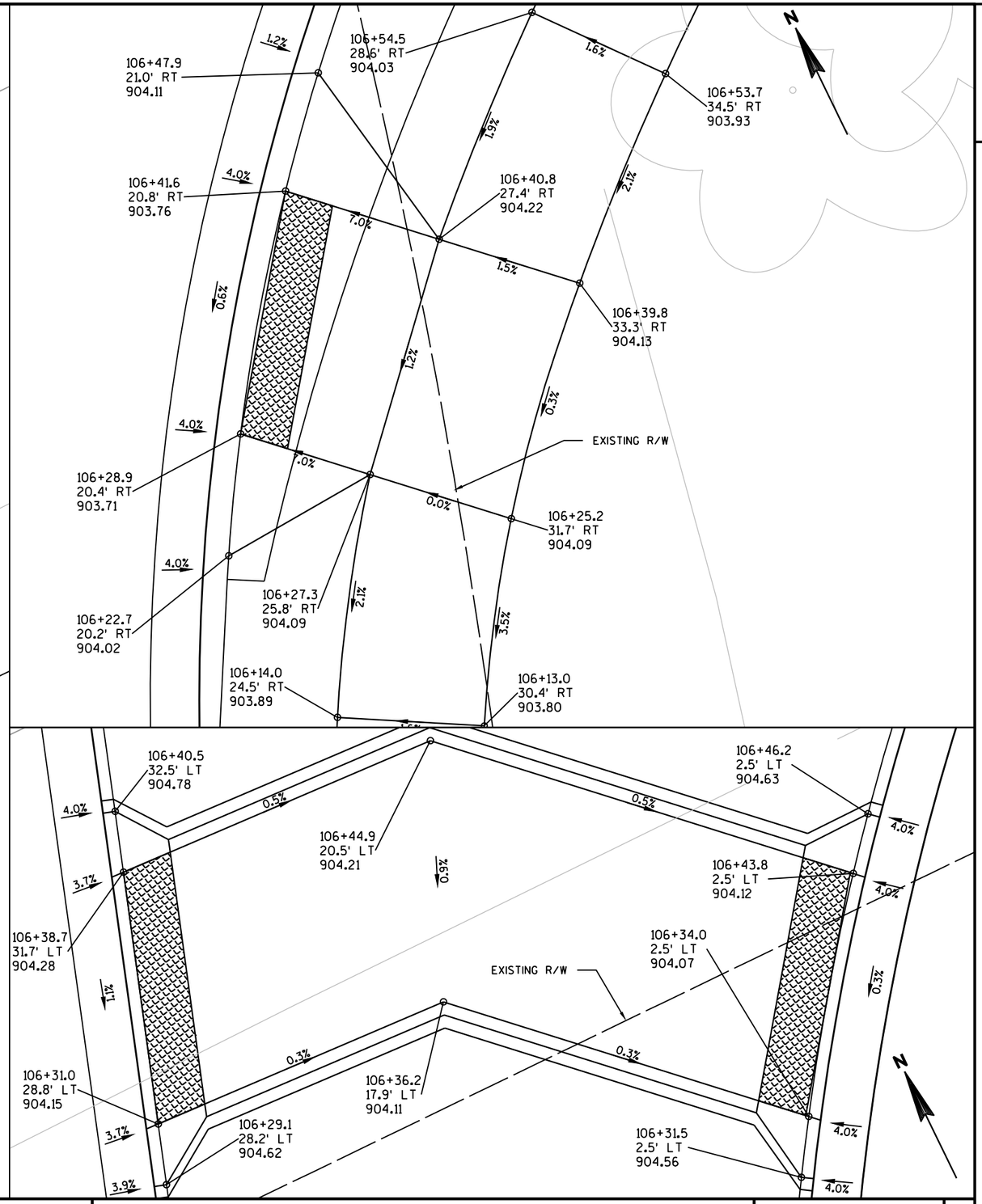
2



ELEVATION LEGEND

900.00 PROPOSED ELEVATION
(900.00) MATCH EXISTING ELEVATION
'900.00' MATCH OVERLAY ELEVATION

NOTE: SEE SDD "CURB RAMPS" FOR ADDITIONAL DETAILS

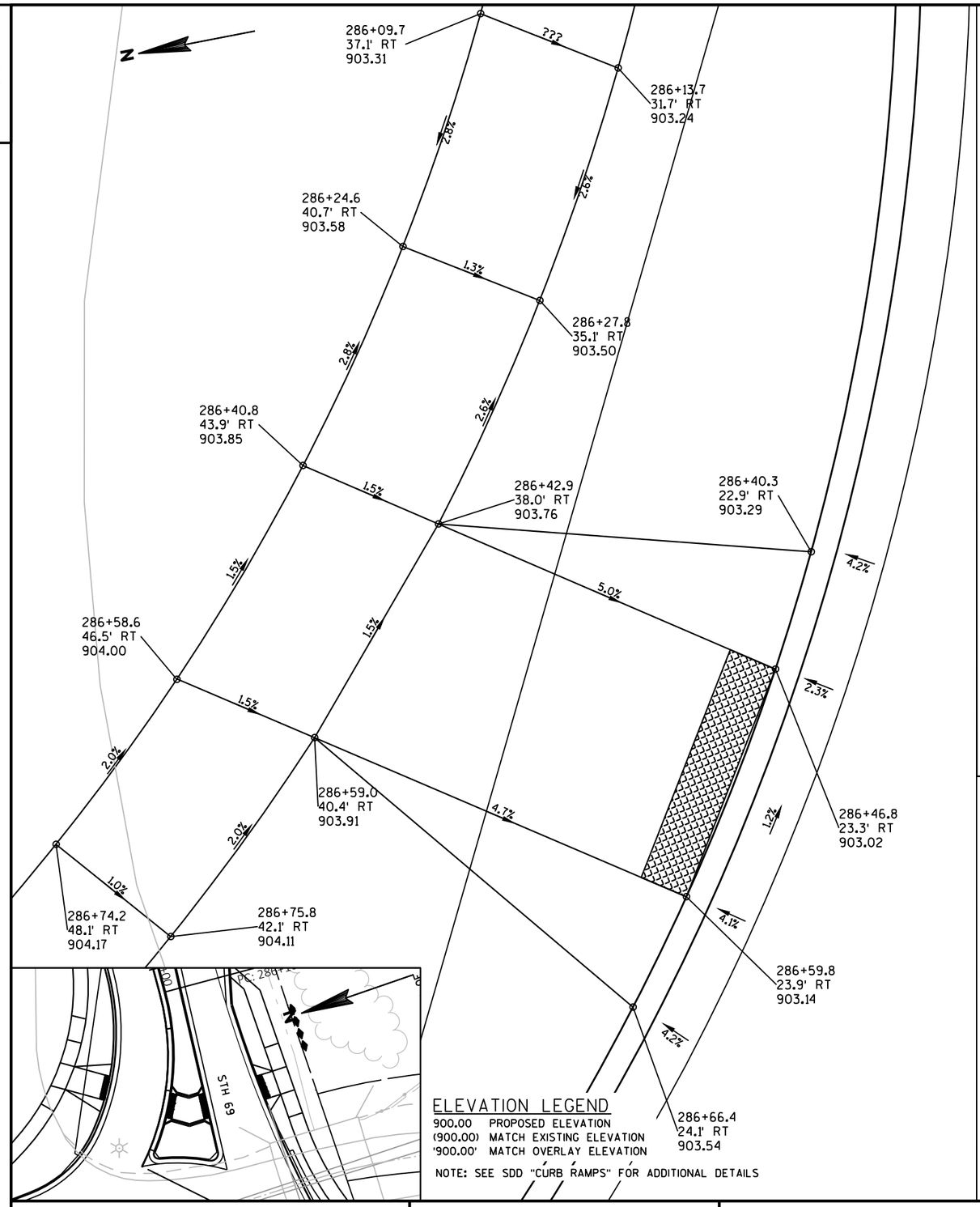


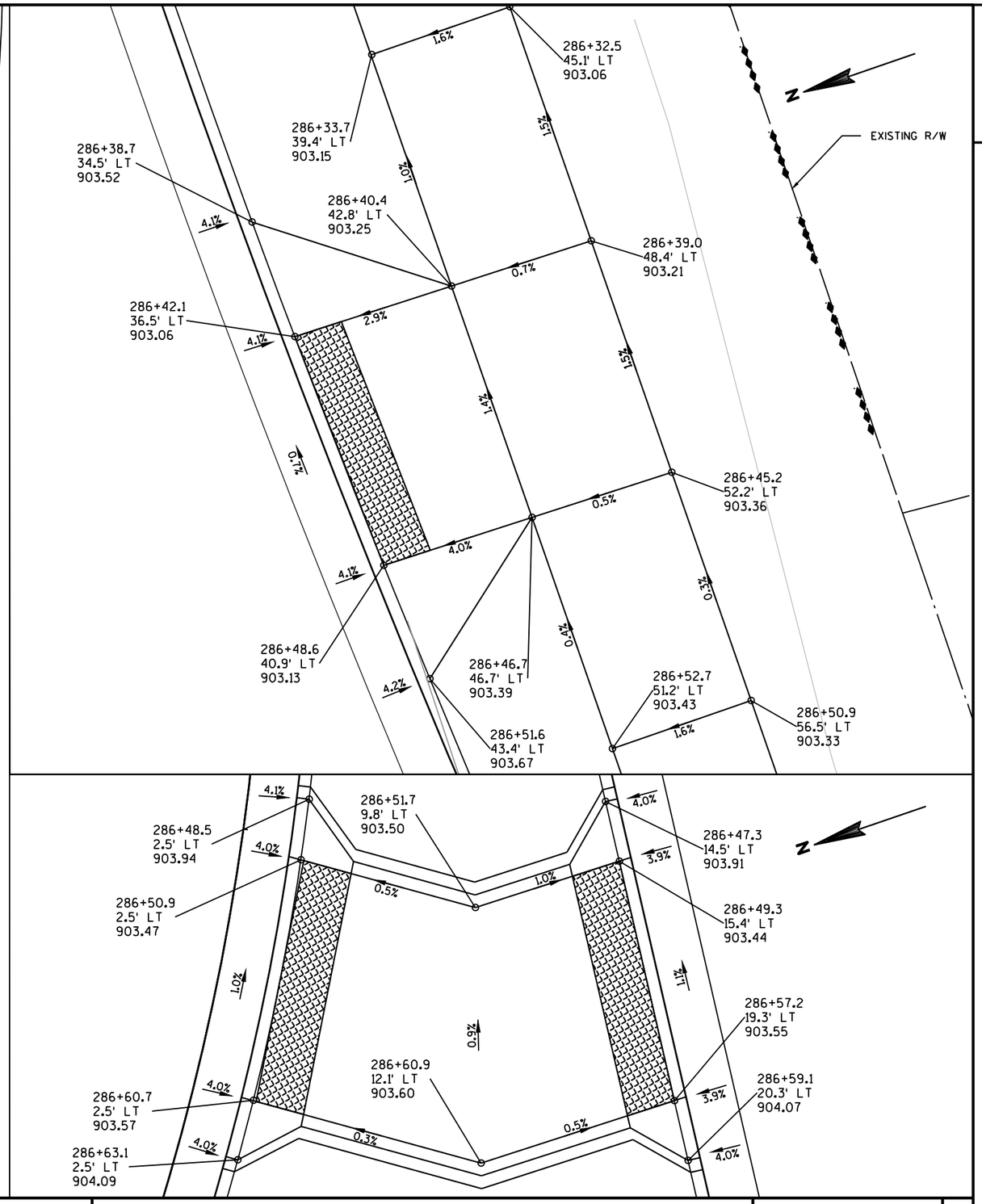
2

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CURB RAMP DETAILS - ROUNDABOUT SOUTH LEG	SHEET 40	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021002-CR.DWG
LAYOUT NAME - 021002-cr - RAB South Leg

PLOT DATE : 7/30/2021 11:23 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : ######





PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CURB RAMP DETAILS - ROUNDABOUT EAST LEG	SHEET 41 E

2

N

SLOPE INTECEPT

EXISTING R/W

108+74.8
34.6' LT
903.17

108+77.4
40.0' LT
903.07

1.6%

6.1%

3.7%

108+67.6
33.3' LT
903.58

108+66.1
39.5' LT
903.54

4.1%

108+69.8
44.2' LT
903.60

1.0%

7.0%

108+63.3
35.9' LT
903.22

4.2%

1.0%

1.5%

2.9%

108+61.6
49.9' LT
903.70

0.2%

4.0%

3.3%

4.1%

4.1%

108+55.1
41.7' LT
903.51

108+54.6
56.0' LT
904.01

108+57.9
45.2' LT
903.69

4.1%

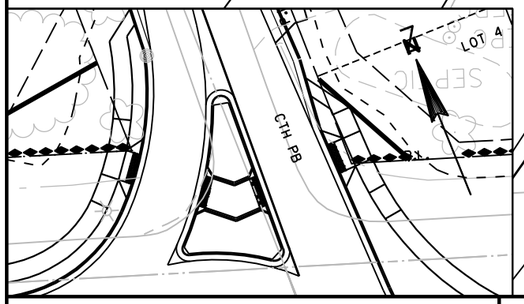
1.5%

108+50.3
51.8' LT
904.10

108+51.2
44.8' LT
904.16

ELEVATION LEGEND

900.00 PROPOSED ELEVATION
(900.00) MATCH EXISTING ELEVATION
'900.00' MATCH OVERLAY ELEVATION



NOTE: SEE SDD "CURB RAMPS" FOR ADDITIONAL DETAILS

PROPOSED R/W

SLOPE INTECEPT

EXISTING R/W

N

2

1.4%

1.6%

108+53.8
28.7' RT
903.70

108+54.2
34.7' RT
903.78

108+45.7
35.2' RT
903.65

1.6%

108+45.3
29.2' RT
903.56

1.5%

1.2%

108+35.7
35.8' RT
903.78

4.1%

7.0%

1.2%

1.5%

3.2%

108+50.0
23.4' RT
903.61

4.1%

108+26.4
36.9' RT
904.07

108+45.0
23.7' RT
903.18

1.3%

7.0%

108+25.4
31.0' RT
904.00

286+98.2
70.1' RT
904.39

3.1%

108+35.4
29.9' RT
903.69

1.2%

3.2%

108+35.0
24.4' RT
903.30

4.1%

108+30.0
24.7' RT
903.86

4.1%

287+03.2
66.7' RT
904.31

3.1%

1.5%

N

4.1%

108+48.9
17.6' LT
903.65

108+42.9
9.9' LT
903.77

108+43.4
2.5' LT
903.61

108+45.9
2.5' LT
904.07

108+51.1
16.3' LT
904.09

3.8%

3.9%

3.9%

1.2%

2.1%

2.3%

1.6%

108+40.7
23.1' LT
903.89

108+33.3
2.5' LT
903.76

1.4%

108+39.0
25.0' LT
904.29

4.1%

4.0%

108+30.8
2.5' LT
904.29

108+32.7
13.1' LT
903.92

4.1%

0.2%

1.5%

4.0%

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CURB RAMP DETAILS - ROUNDABOUT NORTH LEG	SHEET 42	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021002-CR.DWG
LAYOUT NAME - 021002-cr - RAB North Leg

PLOT DATE : 7/30/2021 11:26 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : #######

2

STH 69

288+94.7
51.4' LT
904.20

288+93.9
45.4' LT
904.29

288+83.6
47.1' LT
904.45

288+84.9
52.9' LT
904.38

288+76.9
55.3' LT
904.52

288+74.0
49.9' LT
904.61

288+72.6
37.1' LT
904.39

288+67.9
38.7' LT
904.10

288+67.7
59.4' LT
904.38

288+64.8
54.1' LT
904.47

288+58.7
42.7' LT
904.17

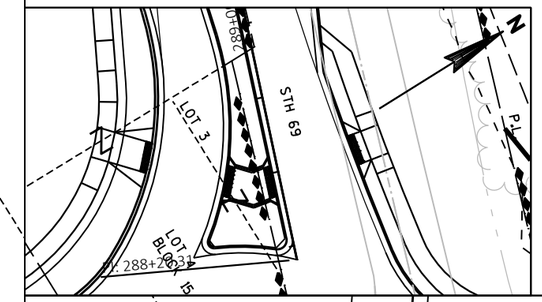
288+54.3
45.1' LT
904.56

288+60.0
64.3' LT
904.51

288+56.4
59.5' LT
904.61

ELEVATION LEGEND

900.00 PROPOSED ELEVATION
(900.00) MATCH EXISTING ELEVATION
'900.00' MATCH OVERLAY ELEVATION



NOTE: SEE SDD "CURB RAMPS" FOR ADDITIONAL DETAILS

288+61.6
24.2' RT
904.62

288+62.3
28.7' RT
904.39

288+57.3
29.3' RT
904.37

288+63.1
34.6' RT
904.30

288+58.2
35.3' RT
904.31

288+56.6
24.9' RT
904.13

288+48.4
36.8' RT
904.41

288+47.4
30.8' RT
904.47

288+46.7
26.4' RT
904.15

288+41.8
27.2' RT
904.67

288+43.5
37.5' RT
904.34

288+42.5
31.6' RT
904.44

288+57.7
14.8' LT
905.07

288+55.3
15.6' LT
904.58

288+54.9
2.5' LT
905.09

288+51.4
8.4' LT
904.62

288+52.4
2.5' LT
904.60

EXISTING R/W

288+46.0
19.3' LT
904.66

288+42.2
2.5' LT
904.67

288+43.7
20.4' LT
905.18

288+41.0
10.2' LT
904.72

288+39.7
2.5' LT
905.17

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CURB RAMP DETAILS - ROUNDABOUT WEST LEG	SHEET 43	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021002-CR.DWG
LAYOUT NAME - 021002-cr - RAB West Leg
PLOT DATE : 7/30/2021 11:33 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : ######
WISDOT/CADDS SHEET 42

STA 26+26.8 LT TO STA 30+93.1 LT - MGS GUARDRAIL 3
STA 30+93.1 LT TO STA 32+70.4 LT - MGS GUARDRAIL 3 K
STA 32+70.4 LT TO STA 33+70.4 LT - MGS GUARDRAIL 3
STA 33+70.4 LT TO STA 34+19.7 LT - MGS GUARDRAIL SHORT RADIUS
STA 34+19.7 LT TO STA 34+29.9 LT - MGS GUARDRAIL SHORT RADIUS TERMINAL

REMOVE EXISTING EAT
CONNECT TO EXISTING
MGS GUARDRAIL 3
26+26.8
22.4' LT

PT 27+38.40

PC 28+95.02

TLE

SHOULDER HINGE POINT (TYP.)

BEGIN MGS GUARDRAIL 3 K
30+93.1
17.5' LT

PT 31+77.69

MATCH LINE 32+25

INL

30

STH 69

FEDERAL AVE

SLOPE INTERCEPT (TYP.)

TLE (TYP.)

PROPOSED R/W (TYP.)

EXISTING R/W (TYP.)

BEGIN MGS GUARDRAIL SHORT RADIUS
33+70.4
17.5' LT

BEGIN MGS GUARDRAIL SHORT RADIUS TERMINAL
34+19.7
30.4' LT

MGS GUARDRAIL SHORT RADIUS TERMINAL
34+29.9
37.7' LT

BEGIN MGS GUARDRAIL 3
32+70.4
17.5' LT

R20

SIGN

35

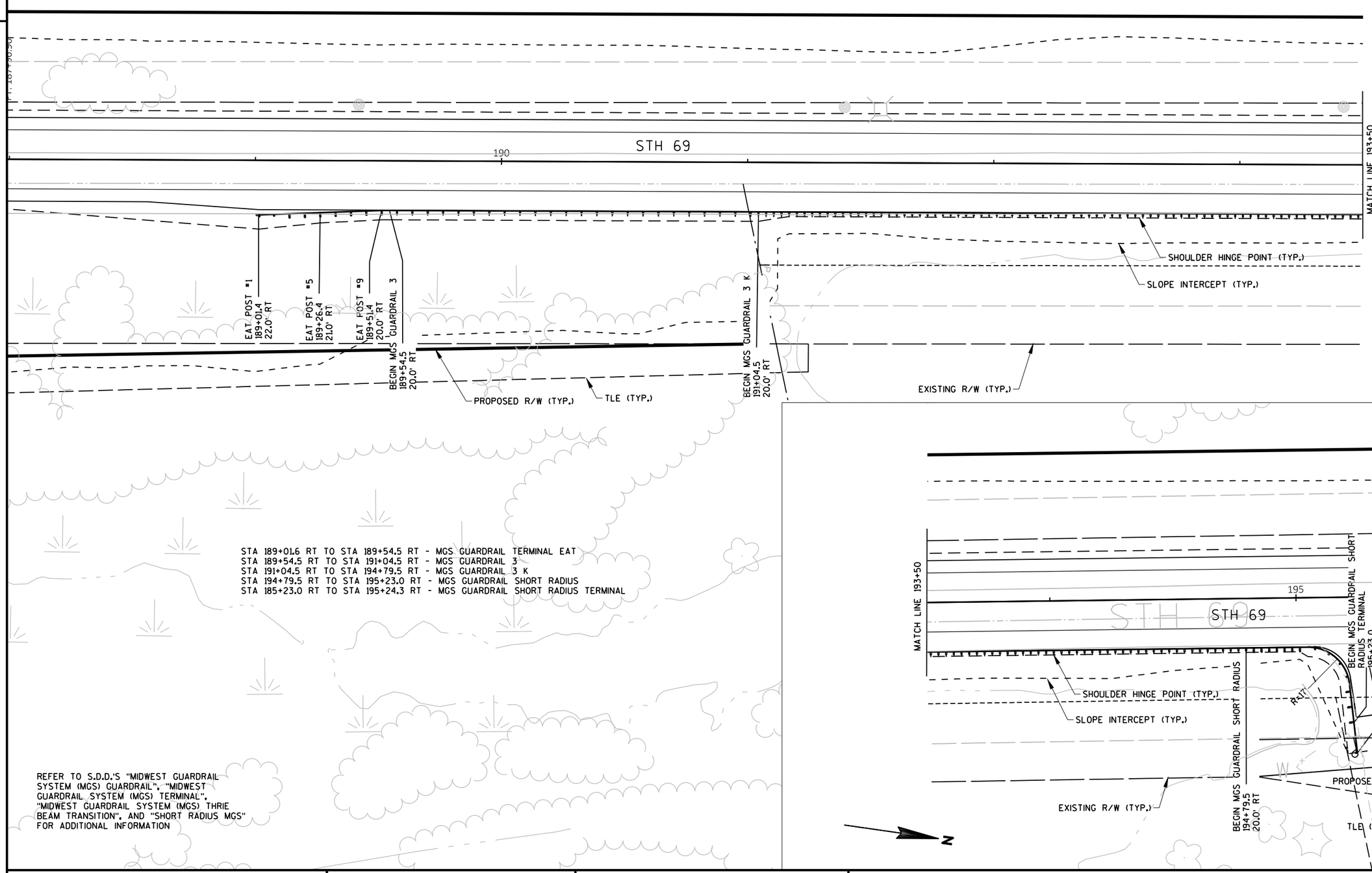
MATCH LINE 32+25

REFER TO S.D.D.'S "MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL", "MIDWEST GUARDRAIL SYSTEM (MGS) TERMINAL", "MIDWEST GUARDRAIL SYSTEM (MGS) THRIE BEAM TRANSITION", AND "SHORT RADIUS MGS" FOR ADDITIONAL INFORMATION

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	BEAM GUARD DETAILS	SHEET 44	E

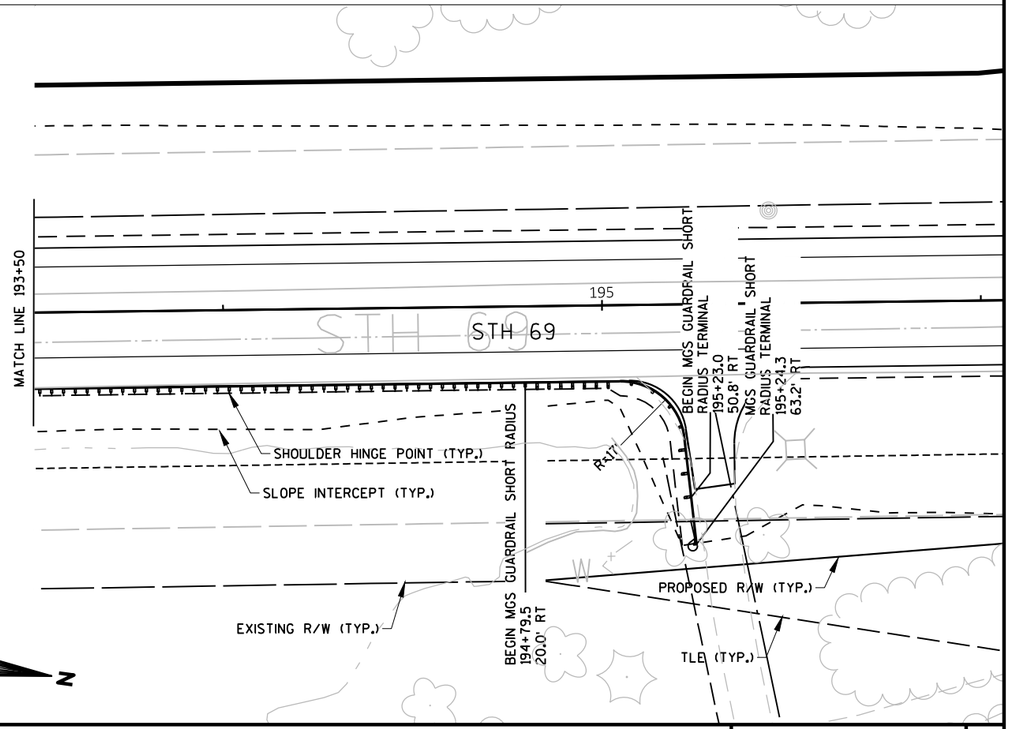
FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021003-BG.DWG
LAYOUT NAME - 021003-bg - Lake Belle View
PLOT DATE : 4/12/2021 9:56 AM
PLOT BY : KYLE A. WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2



STA 189+01.6 RT TO STA 189+54.5 RT - MGS GUARDRAIL TERMINAL EAT
STA 189+54.5 RT TO STA 191+04.5 RT - MGS GUARDRAIL 3
STA 191+04.5 RT TO STA 194+79.5 RT - MGS GUARDRAIL 3 K
STA 194+79.5 RT TO STA 195+23.0 RT - MGS GUARDRAIL SHORT RADIUS
STA 185+23.0 RT TO STA 195+24.3 RT - MGS GUARDRAIL SHORT RADIUS TERMINAL

REFER TO S.D.D.'S "MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL", "MIDWEST GUARDRAIL SYSTEM (MGS) TERMINAL", "MIDWEST GUARDRAIL SYSTEM (MGS) THRIE BEAM TRANSITION", AND "SHORT RADIUS MGS" FOR ADDITIONAL INFORMATION



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	BEAM GUARD DETAILS	SHEET 45	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021003-BG.DWG
LAYOUT NAME - Pond
PLOT DATE : 4/12/2021 9:56 AM
PLOT BY : KYLE A. WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

STA 276+65.8 LT TO STA 277+18.9 LT - MGS GUARDRAIL TERMINAL EAT
STA 277+18.9 LT TO STA 277+93.9 LT - MGS GUARDRAIL 3
STA 277+93.9 LT TO STA 278+33.3 LT - MGS THRIE BEAM TRANSITION

STA 279+40.6 LT TO STA 279+80.0 LT - MGS THRIE BEAM TRANSITION
STA 279+80.0 LT TO STA 280+92.5 LT - MGS GUARDRAIL 3
STA 280+92.5 LT TO STA 281+45.6 LT - MGS GUARDRAIL TERMINAL EAT

N

TLE (TYP.)
PROPOSED R/W (TYP.)
SLOPE INTERCEPT (TYP.)
EXISTING R/W (TYP.)

EAT POST #1 276+65.8 21.5' LT
EAT POST #5 276+90.8 20.5' LT
EAT POST #9 277+15.7 19.6' LT
BEGIN MGS GUARDRAIL 3 277+18.9 19.6' LT
BEGIN MGS THRIE BEAM TRANSITION 277+93.9 19.6' LT
SHOULDER HINGE POINT (TYP.)
END MGS THRIE BEAM TRANSITION 279+80.0 21.9' LT
END MGS GUARDRAIL 3 280+92.5 21.9' LT
EAT POST #9 280+95.6 21.9' LT
EAT POST #5 281+20.6 22.9' LT
EAT POST #1 281+45.6 23.9' LT
PC: 281+52.56

STH 69
B-13-0433
280
STH 69

EAT POST #1 276+37.6 23.4' RT
EAT POST #5 276+62.6 22.4' RT
EAT POST #9 276+87.6 21.4' RT
BEGIN MGS GUARDRAIL 3 276+90.7 21.4' RT
BEGIN MGS THRIE BEAM TRANSITION 278+03.2 21.4' RT
END MGS THRIE BEAM TRANSITION 279+89.8 18.2' RT
END MGS GUARDRAIL 3 280+64.8 18.2' RT
EAT POST #9 280+67.9 18.2' RT
EAT POST #5 280+92.9 19.2' RT
EAT POST #1 281+17.9 20.2' RT

STA 276+37.6 RT TO STA 276+90.7 RT - MGS GUARDRAIL TERMINAL EAT
STA 276+90.7 RT TO STA 278+03.2 RT - MGS GUARDRAIL 3
STA 278+03.2 RT TO STA 278+42.6 RT - MGS THRIE BEAM TRANSITION

STA 279+50.4 RT TO STA 279+89.8 RT - MGS THRIE BEAM TRANSITION
STA 279+89.9 RT TO STA 280+64.8 RT - MGS GUARDRAIL 3
STA 280+64.8 RT TO STA 281+17.9 RT - MGS GUARDRAIL TERMINAL EAT

REFER TO S.D.D.'S "MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL", "MIDWEST GUARDRAIL SYSTEM (MGS) TERMINAL", "MIDWEST GUARDRAIL SYSTEM (MGS) THRIE BEAM TRANSITION", AND "SHORT RADIUS MGS" FOR ADDITIONAL INFORMATION

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	BEAM GUARD DETAILS	SHEET 46	E

2

STA 386+21.6 LT TO STA 386+74.7 LT - MGS GUARDRAIL TERMINAL EAT
STA 386+74.7 LT TO STA 387+49.7 LT - MGS GUARDRAIL 3
STA 387+49.7 LT TO STA 387+89.1 LT - MGS THRIE BEAM TRANSITION

STA 389+15.4 LT TO STA 389+54.8 LT - MGS THRIE BEAM TRANSITION
STA 389+54.8 LT TO STA 390+67.3 LT - MGS GUARDRAIL 3
STA 390+67.3 LT TO STA 391+20.4 LT - MGS GUARDRAIL TERMINAL EAT

N

2

EAT POST #1 386+21.6 22.4' LT
EAT POST #5 386+46.6 21.4' LT
EAT POST #9 386+71.6 20.4' LT
BEGIN MGS GUARDRAIL 3 386+74.7 20.4' LT
BEGIN MGS THRIE BEAM TRANSITION 387+49.7 20.5' LT
SHOULDER HINGE POINT (TYP.)
END MGS THRIE BEAM TRANSITION 389+54.8 20.5' LT
SLOPE INTERCEPT (TYP.)
TLE (TYP.)
PROPOSED R/W (TYP.)
EXISTING R/W (TYP.)
END MGS GUARDRAIL 3 390+67.3 20.5' LT
EAT POST #9 390+70.4 20.5' LT
EAT POST #5 390+95.4 21.5' LT
EAT POST #1 391+20.4 22.5' LT

STH 69

B-13-0434

390

STH 69

EAT POST #1 385+84.6 21.9' RT
EAT POST #5 386+09.6 20.9' RT
EAT POST #9 386+34.6 19.9' RT
BEGIN MGS GUARDRAIL 3 386+37.7 19.9' RT
BEGIN MGS THRIE BEAM TRANSITION 387+50.2 19.9' RT
END MGS THRIE BEAM TRANSITION 389+55.2 19.1' RT
END MGS GUARDRAIL 3 390+30.2 19.1' RT
EAT POST #9 390+33.3 19.1' RT
EAT POST #5 390+58.3 20.1' RT
EAT POST #1 390+83.3 21.1' RT

STA 385+84.6 RT TO STA 386+37.7 RT - MGS GUARDRAIL TERMINAL EAT
STA 386+37.7 RT TO STA 387+50.2 RT - MGS GUARDRAIL 3
STA 387+50.2 RT TO STA 387+89.6 RT - MGS THRIE BEAM TRANSITION

STA 389+15.8 RT TO STA 389+55.2 RT - MGS THRIE BEAM TRANSITION
STA 389+55.2 RT TO STA 390+30.2 RT - MGS GUARDRAIL 3
STA 390+30.2 RT TO STA 390+83.3 RT - MGS GUARDRAIL TERMINAL EAT

REFER TO S.D.D.'S "MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL", "MIDWEST GUARDRAIL SYSTEM (MGS) TERMINAL", "MIDWEST GUARDRAIL SYSTEM (MGS) THRIE BEAM TRANSITION", AND "SHORT RADIUS MGS" FOR ADDITIONAL INFORMATION

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	BEAM GUARD DETAILS	SHEET 47	E

2

STA 446+30.6 LT TO STA 446+83.7 LT - MGS GUARDRAIL TERMINAL EAT
STA 446+83.7 LT TO STA 447+58.7 LT - MGS GUARDRAIL 3
STA 447+58.7 LT TO STA 447+98.1 LT - MGS THRIE BEAM TRANSITION

STA 448+48.3 LT TO STA 448+87.7 LT - MGS THRIE BEAM TRANSITION
STA 448+87.7 LT TO STA 450+00.2 LT - MGS GUARDRAIL 3
STA 450+00.2 LT TO STA 450+53.3 LT - MGS GUARDRAIL TERMINAL EAT

N

2

FOUND

EAT POST #1 446+30.6 22.0' LT
EAT POST #5 446+55.6 21.0' LT
EAT POST #9 446+80.5 20.0' LT
BEGIN MGS GUARDRAIL 3 446+83.7 20.0' LT
BEGIN MGS THRIE BEAM TRANSITION 447+58.7 20.0' LT
SHOULDER HINGE POINT (TYP.)
END MGS THRIE BEAM TRANSITION 448+87.7 20.0' LT
END MGS GUARDRAIL 3 450+00.2 20.0' LT
EAT POST #9 450+03.4 20.0' LT
EAT POST #5 450+28.4 21.0' LT
EAT POST #1 450+53.3 22.0' LT
PC: 450+78.30

MATCH LINE 445+00
STH 69
B-13-0365
STH 69
450

STA 442+80.9 RT TO STA 443+34.0 RT - MGS GUARDRAIL TERMINAL EAT
STA 443+34.0 RT TO STA 443+96.5 RT - MGS GUARDRAIL 3
STA 443+96.5 RT TO STA 447+59.0 RT - MGS GUARDRAIL 3 HS
STA 447+59.0 RT TO STA 447+98.4 RT - MGS THRIE BEAM TRANSITION

EAT POST #1 442+80.9 22.0' RT
EAT POST #5 443+05.9 21.0' RT
EAT POST #9 443+30.9 20.0' RT
BEGIN MGS GUARDRAIL 3 443+34.0 20.0' RT
BEGIN MGS GUARDRAIL 3 HS 443+96.5 20.0' RT
BEGIN MGS THRIE BEAM TRANSITION 447+59.0 20.0' RT
END MGS THRIE BEAM TRANSITION 448+88.1 20.0' RT
END MGS GUARDRAIL 3 449+63.1 20.0' RT
EAT POST #9 449+66.2 20.0' RT
EAT POST #5 449+91.2 21.0' RT
EAT POST #1 450+16.2 22.0' RT

MATCH LINE 445+00
SHOULDER HINGE POINT (TYP.)
SLOPE INTERCEPT (TYP.)
EXISTING R/W (TYP.)
PROPOSED R/W (TYP.)
TLE (TYP.)

STA 448+48.7 RT TO STA 448+88.1 RT - MGS THRIE BEAM TRANSITION
STA 448+88.1 RT TO STA 449+63.1 RT - MGS GUARDRAIL 3
STA 449+63.1 RT TO STA 450+16.2 RT - MGS GUARDRAIL TERMINAL EAT

REFER TO S.D.D.'S "MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL", "MIDWEST GUARDRAIL SYSTEM (MGS) TERMINAL", "MIDWEST GUARDRAIL SYSTEM (MGS) THRIE BEAM TRANSITION", AND "SHORT RADIUS MGS" FOR ADDITIONAL INFORMATION

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	BEAM GUARD DETAILS	SHEET 48	E

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
101	75+46.47	12.16 RT	410994.008	781345.900	879.77
102	77+60.54	24.00 RT	411207.841	781361.408	880.65
103	77+55.00	12.00 LT	411202.927	781325.318	880.87
104	78+54.99	30.00 LT	411303.211	781309.036	880.59
105	78+54.99	27.00 LT	411303.156	781312.035	880.85
106	79+84.82	27.00 LT	411432.970	781314.262	882.05
107	79+84.83	30.00 LT	411433.024	781311.262	881.51
108	79+94.85	27.00 LT	411442.994	781314.434	882.15
109	81+84.93	27.00 LT	411635.635	781326.518	882.61
110	49+32.57"GE"	14.99 RT	411343.876	781272.419	880.01

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
111	49+32.58"GE"	17.99 RT	411340.875	781272.395	880.38
112	49+22.57"GE"	14.99 RT	411343.970	781262.420	879.80
113	48+13.80"GE"	7.83 RT	411352.160	781153.719	878.57
114	47+99.08"GE"	6.56 LT	411366.686	781139.130	0.00
115	49+13.58"GE"	18.01 LT	411377.055	781253.734	879.99
116	49+13.58"GE"	15.01 LT	411374.055	781253.705	879.62
117	49+32.57"GE"	54.99 RT	411303.878	781272.042	0.00
118	49+13.58"GE"	75.01 LT	411434.052	781254.272	0.00

2

N

BM 134

3' 8' 7' 3'

48+00"GE"

49+00"GE"

GEHIN ROAD

STH 69

FRONTIER COMMUNICATIONS TELEPHONE

ALLIANT ENERGY ELECTRIC

CHARTER COMMUNICATIONS TELEVISION

CG 05

AF

R40'

R60'

15' 15'

90.4°

IT B2

76+00 77+00 78+00 79+00 80+00 81+00 82+00 83+0

EXISTING R/W (TYP)

SLOPE INTERCEPT (TYP)

PROPOSED R/W (TYP)

TLE (TYP)

WE ENERGIES GAS

CAUTION

STA 79+10.5 = STA 50"GE"+00.0

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 134	FENO MONUMENT W/ ALUMINUM CAP	47+45.37"GE"	19.49' LT	781,085.55	411,380.12	877.71

NOTES: SEE SDD "AT-GRADE SIDE ROAD INTERSECTIONS" FOR ADDITIONAL DETAILS

CARRY MAINLINE PAVEMENT STRUCTURE TO END OF FARTHEST RADIUS

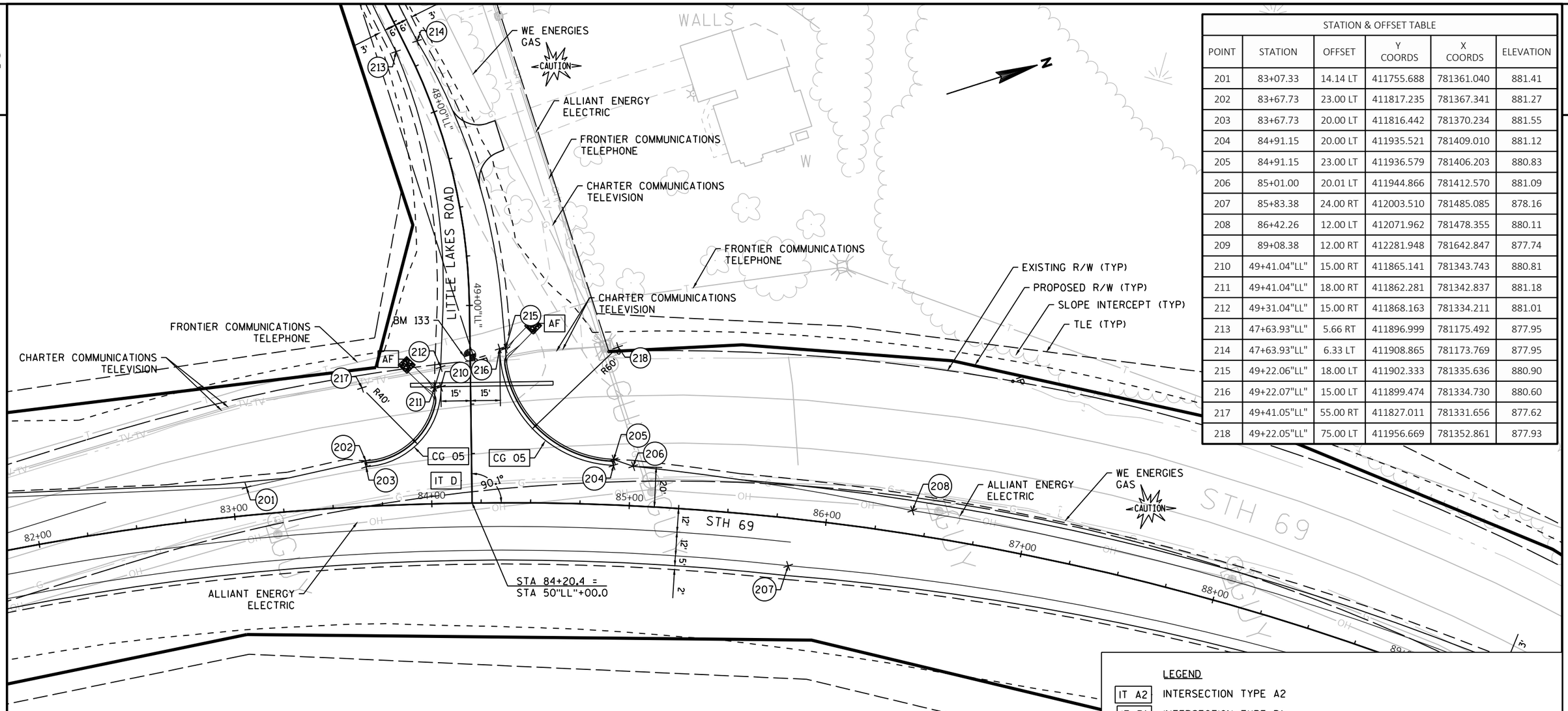
POINTS SHOWN AS HAVING ELEVATIONS OF 0.00 ARE NOT ON THE PROPOSED SURFACE

LEGEND

IT A2	INTERSECTION TYPE A2
IT B1	INTERSECTION TYPE B1
IT B2	INTERSECTION TYPE B2
IT D	INTERSECTION TYPE D
CG 01	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG 02	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG 03	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
CG 04	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CG 05	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
CG 06	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CG P	CONCRETE CURB PEDESTRIAN
CRTA	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
CSW	CONCRETE SIDEWALK 4-INCH
AF	ASPHALTIC FLUME

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	INTERSECTION DETAILS	SHEET 49	E

2



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
201	83+07.33	14.14 LT	411755.688	781361.040	881.41
202	83+67.73	23.00 LT	411817.235	781367.341	881.27
203	83+67.73	20.00 LT	411816.442	781370.234	881.55
204	84+91.15	20.00 LT	411935.521	781409.010	881.12
205	84+91.15	23.00 LT	411936.579	781406.203	880.83
206	85+01.00	20.01 LT	411944.866	781412.570	881.09
207	85+83.38	24.00 RT	412003.510	781485.085	878.16
208	86+42.26	12.00 LT	412071.962	781478.355	880.11
209	89+08.38	12.00 RT	412281.948	781642.847	877.74
210	49+41.04"LL"	15.00 RT	411865.141	781343.743	880.81
211	49+41.04"LL"	18.00 RT	411862.281	781342.837	881.18
212	49+31.04"LL"	15.00 RT	411868.163	781334.211	881.01
213	47+63.93"LL"	5.66 RT	411896.999	781175.492	877.95
214	47+63.93"LL"	6.33 LT	411908.865	781173.769	877.95
215	49+22.06"LL"	18.00 LT	411902.333	781335.636	880.90
216	49+22.07"LL"	15.00 LT	411899.474	781334.730	880.60
217	49+41.05"LL"	55.00 RT	411827.011	781331.656	877.62
218	49+22.05"LL"	75.00 LT	411956.669	781352.861	877.93

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 133	FENO MONUMENT W/ ALUMINUM CAP	49+25.19"LL"	0.13' RT	781,333.13	411,884.11	876.93

NOTES: SEE SDD "AT-GRADE SIDE ROAD INTERSECTIONS" FOR ADDITIONAL DETAILS

CARRY MAINLINE PAVEMENT STRUCTURE TO END OF FARTHEST RADIUS

POINTS SHOWN AS HAVING ELEVATIONS OF 0.00 ARE NOT ON THE PROPOSED SURFACE

LEGEND

IT A2	INTERSECTION TYPE A2
IT B1	INTERSECTION TYPE B1
IT B2	INTERSECTION TYPE B2
IT D	INTERSECTION TYPE D
CG 01	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG 02	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG 03	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
CG 04	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CG 05	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
CG 06	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CG P	CONCRETE CURB PEDESTRIAN
CRTA	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
CSW	CONCRETE SIDEWALK 4-INCH
AF	ASPHALTIC FLUME

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	INTERSECTION DETAILS	SHEET 50	E

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
301	135+04.66	12.00 RT	416351.017	783485.896	894.67
302	136+92.16	27.00 RT	416501.463	783598.800	893.43
303	137+67.02	12.00 LT	416585.571	783605.851	893.35
304	138+67.02	30.00 LT	416679.707	783644.093	892.59
305	138+67.02	27.04 LT	416678.126	783646.593	892.54
306	138+82.16	27.00 RT	416662.040	783700.363	892.47
307	138+92.16	30.00 RT	416668.887	783708.244	891.93
308	138+92.16	27.00 RT	416670.491	783705.708	892.42
309	140+04.68	26.90 LT	416794.399	783720.301	891.76
310	140+04.79	30.00 LT	416796.149	783717.741	891.32
311	140+14.79	27.00 LT	416802.997	783725.622	891.80
312	140+29.94	27.00 RT	416786.933	783779.357	891.72
313	140+29.87	30.00 RT	416785.274	783781.857	0.00
314	141+29.94	12.00 RT	416879.466	783820.134	891.52
315	142+04.79	27.00 LT	416963.574	783827.185	890.84
316	143+92.29	12.00 LT	417114.020	783940.089	890.19
317	49+10.00"FR"	15.00 RT	416738.431	783621.942	890.04

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
318	49+10.00"FR"	18.00 RT	416735.510	783621.258	890.41
319	49+00.00"FR"	15.00 RT	416740.711	783612.205	889.71
320	48+46.82"FR"	10.00 RT	416756.720	783562.204	888.04
321	48+46.82"FR"	10.00 LT	416776.502	783565.148	889.07
322	49+26.82"FR"	15.00 LT	416763.807	783645.158	890.95
323	49+26.82"FR"	18.00 LT	416766.728	783645.842	891.33
324	50+73.18"FR"	15.00 RT	416701.230	783780.827	891.60
325	50+73.18"FR"	18.00 RT	416698.309	783780.143	891.64
326	51+53.18"FR"	10.00 RT	416687.860	783859.859	891.93
327	51+53.18"FR"	10.00 LT	416707.334	783864.416	891.93
328	51+00.00"FR"	15.00 LT	416724.325	783813.780	891.58
329	50+90.00"FR"	18.01 LT	416729.533	783804.729	891.95
330	50+90.00"FR"	15.00 LT	416726.605	783804.043	891.58
331	49+10.00"FR"	55.00 RT	416699.485	783612.823	886.47
332	50+73.18"FR"	85.00 RT	416633.073	783764.868	0.00
333	49+26.82"FR"	85.00 LT	416831.963	783661.117	0.00
334	50+90.00"FR"	55.00 LT	416765.552	783813.162	0.00

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 129	FENO MONUMENT W/ ALUMINUM CAP	42+95.67"FR"	108.47' RT	783,286.78	416,360.31	884.47

NOTES: SEE SDD "AT-GRADE SIDE ROAD INTERSECTIONS" FOR ADDITIONAL DETAILS

CARRY MAINLINE PAVEMENT STRUCTURE TO END OF FARTHEST RADIUS

POINTS SHOWN AS HAVING ELEVATIONS OF 0.00 ARE NOT ON THE PROPOSED SURFACE

LEGEND

IT A2	INTERSECTION TYPE A2
IT B1	INTERSECTION TYPE B1
IT B2	INTERSECTION TYPE B2
IT D	INTERSECTION TYPE D
CG 01	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG 02	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG 03	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
CG 04	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CG 05	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
CG 06	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CG P	CONCRETE CURB PEDESTRIAN
CRTA	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
CSW	CONCRETE SIDEWALK 4-INCH
AF	ASPHALTIC FLUME

2

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	INTERSECTION DETAILS	SHEET 51	E

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
401	163+99.12	12.00 RT	418797.245	785033.106	893.17
402	166+16.12	24.00 RT	418974.226	785159.244	892.72
403	166+11.12	12.00 LT	418989.244	785126.146	892.98
404	167+11.12	30.00 LT	419083.380	785164.388	892.19
405	167+11.12	27.04 LT	419081.799	785166.888	892.25
406	168+41.12	27.00 LT	419191.645	785236.414	891.59
407	168+41.12	30.00 LT	419193.249	785233.878	891.07
408	168+51.12	27.00 LT	419200.096	785241.759	891.54
409	168+66.12	24.00 RT	419185.512	785292.879	891.53
410	171+41.12	27.00 LT	419445.187	785396.776	890.08
411	171+91.12	12.00 RT	419466.597	785456.464	890.13

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
412	173+28.62	12.00 LT	419595.633	785509.680	889.43
413	49+33.00"AW"	15.00 RT	419136.964	785154.499	890.49
414	49+33.00"AW"	18.00 RT	419134.428	785152.895	890.87
415	49+23.00"AW"	14.84 RT	419142.450	785146.136	890.24
416	48+52.94"AW"	12.00 RT	419180.358	785088.349	888.63
417	48+52.94"AW"	12.00 LT	419201.556	785099.603	889.71
418	49+13.00"AW"	17.99 LT	419175.544	785155.236	891.00
419	49+13.00"AW"	14.99 LT	419173.009	785153.632	890.63
420	49+33.00"AW"	55.00 RT	419103.158	785133.117	0.00
421	49+13.00"AW"	74.99 LT	419223.717	785185.705	0.00

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
NGS DF9765	NGS MONUMENT	46+33.84"AW"	26.77' RT	784,882.89	419,229.92	887.07

NOTE:
ENSURE THAT DF9765 GPS IS/ARE NOT DISTURBED, BUMPED OR MOVED DURING THE DURATION OF THE PROJECT.

HMOD DF9765, STA. 46+33"AW", 26.77' RT.

CTH A

STH 69

ATC ELECTRIC

ALLIANT ENERGY ELECTRIC

FRONTIER TELEPHONE

CG 05

IT B1

AF

R40'

R60'

90.0°

STA 167+66.1 = STA 50"AW"+00.0

EXISTING R/W (TYP)

CONNECTION TO BADGER STATE TRAIL

BADGER STATE TRAIL

PROPOSED R/W (TYP)

SLOPE INTERCEPT (TYP)

TLE (TYP)

NOTES: SEE SDD "AT-GRADE SIDE ROAD INTERSECTIONS" FOR ADDITIONAL DETAILS

CARRY MAINLINE PAVEMENT STRUCTURE TO END OF FARTHEST RADIUS

POINTS SHOWN AS HAVING ELEVATIONS OF 0.00 ARE NOT ON THE PROPOSED SURFACE

LEGEND

IT A2	INTERSECTION TYPE A2
IT B1	INTERSECTION TYPE B1
IT B2	INTERSECTION TYPE B2
IT D	INTERSECTION TYPE D
CG 01	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG 02	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG 03	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
CG 04	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CG 05	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
CG 06	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CG P	CONCRETE CURB PEDESTRIAN
CRTA	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
CSW	CONCRETE SIDEWALK 4-INCH
AF	ASPHALTIC FLUME

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	INTERSECTION DETAILS	SHEET 52	E

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 127	FENO MONUMENT W/ ALUMINUM CAP	53+06.91"AE"	20.24' LT	786,181.57	420,549.11	889.83

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
501	177+38.23	12.00 RT	419940.078	785732.832	888.26
502	179+25.73	27.00 RT	420111.063	785815.543	888.29
503	179+20.90	12.00 LT	420118.864	785777.024	886.16
504	182+45.90	24.00 LT	420434.066	785841.607	885.36
505	182+65.86	27.03 RT	420446.281	785895.027	888.21
506	182+75.72	30.00 RT	420455.773	785899.374	888.52
507	182+75.72	27.00 RT	420456.186	785896.403	888.23
508	184+10.30	27.00 RT	420591.928	785910.382	888.64
509	184+10.30	30.00 RT	420591.726	785913.376	888.80
510	185+10.30	12.00 RT	420693.468	785899.530	888.13
511	184+95.90	24.00 LT	420679.777	785863.272	886.10

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
512	187+12.90	12.00 LT	420894.892	785867.739	887.44
513	50+75.65"AE"	23.00 RT	420499.051	785950.974	889.01
514	50+75.65"AE"	26.00 RT	420496.066	785950.671	889.39
515	51+75.65"AE"	11.00 RT	420505.301	786053.283	891.76
516	51+25.86"AE"	11.00 LT	420528.301	786003.970	890.03
517	50+85.59"AE"	17.08 LT	420537.925	785964.907	889.33
518	50+75.86"AE"	20.00 LT	420541.810	785955.526	889.55
519	50+75.86"AE"	17.00 LT	420538.825	785955.223	889.18
520	50+75.65"AE"	73.00 RT	420449.306	785945.927	878.45
521	50+75.86"AE"	67.00 LT	420588.570	785960.269	880.98

FRONTIER TELEPHONE

ALLIANT ENERGY ELECTRIC

STA 183+45.9 = STA 50"AE"+00.0

STH 69

90.1°

CG 05

IT A2

AF

R50'

23'

17'

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

TLE (TYP)

CTH A

51+00"AE"

52+00"AE"

ALLIANT ENERGY ELECTRIC

FRONTIER TELEPHONE

ALLIANT ENERGY ELECTRIC

STH 69

R50'

LEGEND	
IT A2	INTERSECTION TYPE A2
IT B1	INTERSECTION TYPE B1
IT B2	INTERSECTION TYPE B2
IT D	INTERSECTION TYPE D
CG 01	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG 02	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG 03	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
CG 04	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CG 05	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
CG 06	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CG P	CONCRETE CURB PEDESTRIAN
CRTA	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
CSW	CONCRETE SIDEWALK 4-INCH
AF	ASPHALTIC FLUME

NOTES:

SEE SDD "AT-GRADE SIDE ROAD INTERSECTIONS" FOR ADDITIONAL DETAILS

CARRY MAINLINE PAVEMENT STRUCTURE TO END OF FARTHEST RADIUS

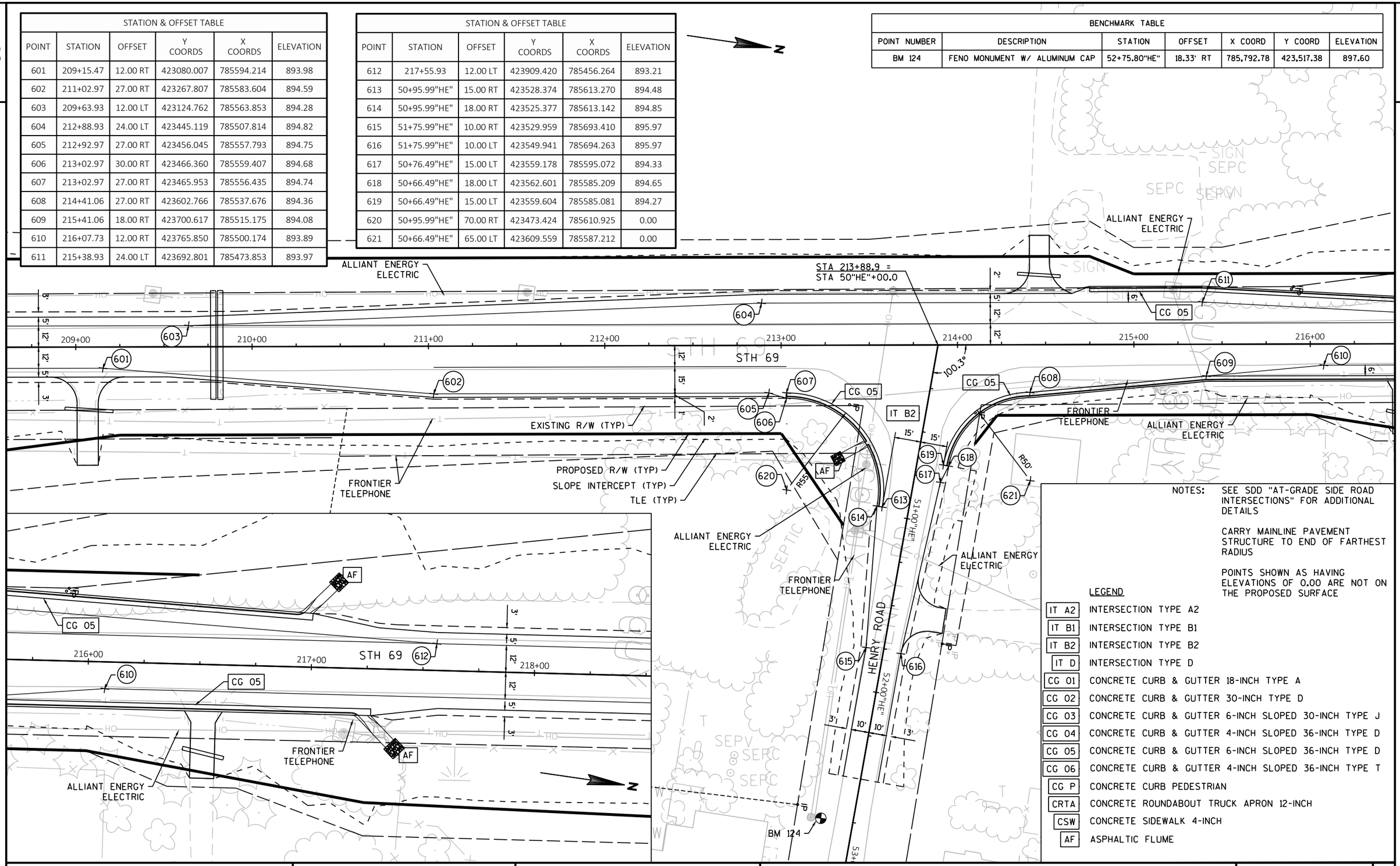
POINTS SHOWN AS HAVING ELEVATIONS OF 0.00 ARE NOT ON THE PROPOSED SURFACE

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	INTERSECTION DETAILS	SHEET 53	E

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
601	209+15.47	12.00 RT	423080.007	785594.214	893.98
602	211+02.97	27.00 RT	423267.807	785583.604	894.59
603	209+63.93	12.00 LT	423124.762	785563.853	894.28
604	212+88.93	24.00 LT	423445.119	785507.814	894.82
605	212+92.97	27.00 RT	423456.045	785557.793	894.75
606	213+02.97	30.00 RT	423466.360	785559.407	894.68
607	213+02.97	27.00 RT	423465.953	785556.435	894.74
608	214+41.06	27.00 RT	423602.766	785537.676	894.36
609	215+41.06	18.00 RT	423700.617	785515.175	894.08
610	216+07.73	12.00 RT	423765.850	785500.174	893.89
611	215+38.93	24.00 LT	423692.801	785473.853	893.97

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
612	217+55.93	12.00 LT	423909.420	785456.264	893.21
613	50+95.99"HE"	15.00 RT	423528.374	785613.270	894.48
614	50+95.99"HE"	18.00 RT	423525.377	785613.142	894.85
615	51+75.99"HE"	10.00 RT	423529.959	785693.410	895.97
616	51+75.99"HE"	10.00 LT	423549.941	785694.263	895.97
617	50+76.49"HE"	15.00 LT	423559.178	785595.072	894.33
618	50+66.49"HE"	18.00 LT	423562.601	785585.209	894.65
619	50+66.49"HE"	15.00 LT	423559.604	785585.081	894.27
620	50+95.99"HE"	70.00 RT	423473.424	785610.925	0.00
621	50+66.49"HE"	65.00 LT	423609.559	785587.212	0.00

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 124	FENO MONUMENT W/ ALUMINUM CAP	52+75.80"HE"	18.33' RT	785,792.78	423,517.38	897.60



NOTES:
SEE SDD "AT-GRADE SIDE ROAD INTERSECTIONS" FOR ADDITIONAL DETAILS

CARRY MAINLINE PAVEMENT STRUCTURE TO END OF FARTHEST RADIUS

POINTS SHOWN AS HAVING ELEVATIONS OF 0.00 ARE NOT ON THE PROPOSED SURFACE

LEGEND

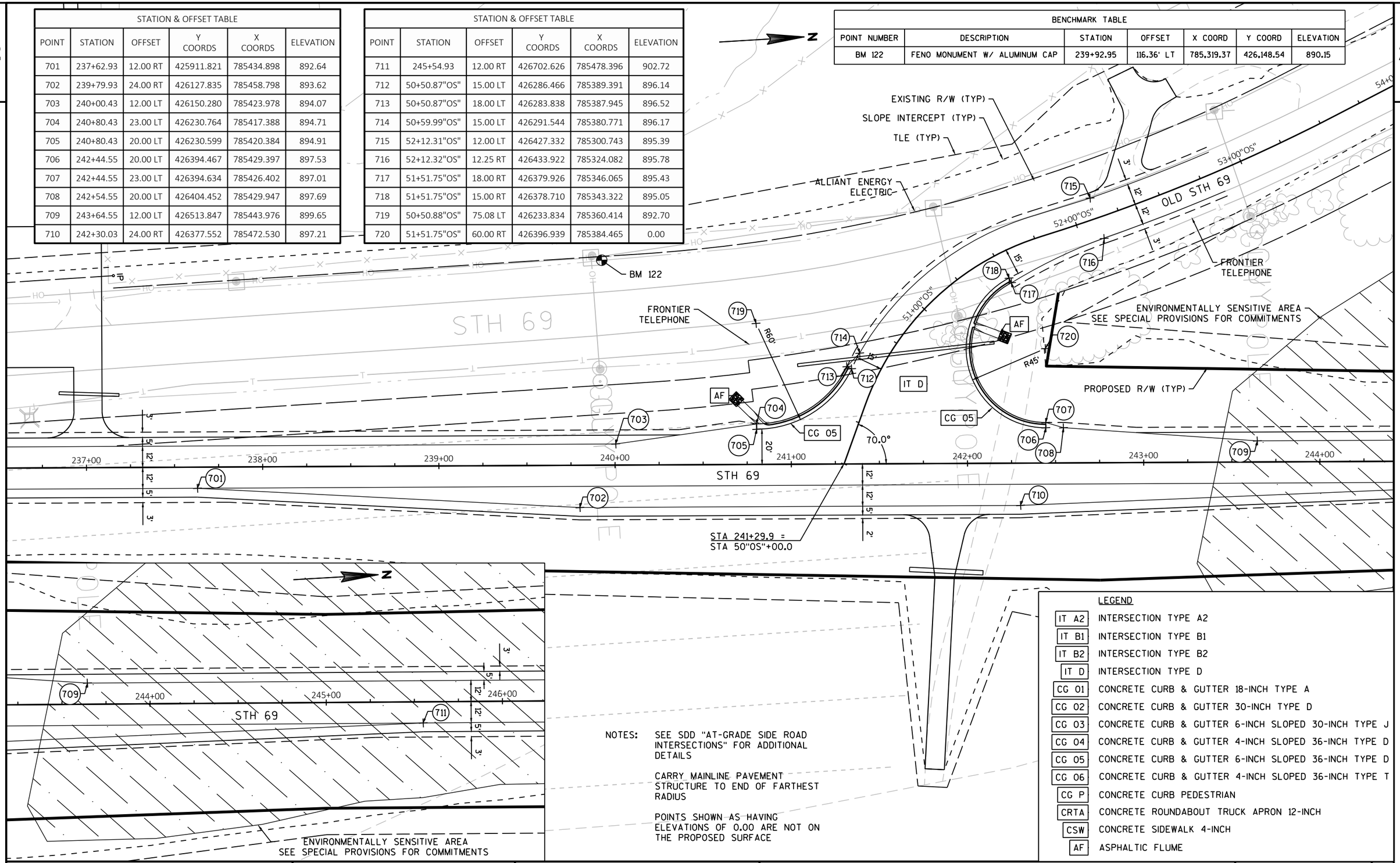
IT A2	INTERSECTION TYPE A2
IT B1	INTERSECTION TYPE B1
IT B2	INTERSECTION TYPE B2
IT D	INTERSECTION TYPE D
CG 01	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG 02	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG 03	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
CG 04	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CG 05	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
CG 06	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CG P	CONCRETE CURB PEDESTRIAN
CRTA	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
CSW	CONCRETE SIDEWALK 4-INCH
AF	ASPHALTIC FLUME

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	INTERSECTION DETAILS	SHEET 54	E

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
701	237+62.93	12.00 RT	425911.821	785434.898	892.64
702	239+79.93	24.00 RT	426127.835	785458.798	893.62
703	240+00.43	12.00 LT	426150.280	785423.978	894.07
704	240+80.43	23.00 LT	426230.764	785417.388	894.71
705	240+80.43	20.00 LT	426230.599	785420.384	894.91
706	242+44.55	20.00 LT	426394.467	785429.397	897.53
707	242+44.55	23.00 LT	426394.634	785426.402	897.01
708	242+54.55	20.00 LT	426404.452	785429.947	897.69
709	243+64.55	12.00 LT	426513.847	785443.976	899.65
710	242+30.03	24.00 RT	426377.552	785472.530	897.21

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
711	245+54.93	12.00 RT	426702.626	785478.396	902.72
712	50+50.87"OS"	15.00 LT	426286.466	785389.391	896.14
713	50+50.87"OS"	18.00 LT	426283.838	785387.945	896.52
714	50+59.99"OS"	15.00 LT	426291.544	785380.771	896.17
715	52+12.31"OS"	12.00 LT	426427.332	785300.743	895.39
716	52+12.32"OS"	12.25 RT	426433.922	785324.082	895.78
717	51+51.75"OS"	18.00 RT	426379.926	785346.065	895.43
718	51+51.75"OS"	15.00 RT	426378.710	785343.322	895.05
719	50+50.88"OS"	75.08 LT	426233.834	785360.414	892.70
720	51+51.75"OS"	60.00 RT	426396.939	785384.465	0.00

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 122	FENO MONUMENT W/ ALUMINUM CAP	239+92.95	116.36' LT	785,319.37	426,148.54	890.15



NOTES:

SEE SDD "AT-GRADE SIDE ROAD INTERSECTIONS" FOR ADDITIONAL DETAILS

CARRY MAINLINE PAVEMENT STRUCTURE TO END OF FARTHEST RADIUS

POINTS SHOWN AS HAVING ELEVATIONS OF 0.00 ARE NOT ON THE PROPOSED SURFACE

LEGEND

IT A2	INTERSECTION TYPE A2
IT B1	INTERSECTION TYPE B1
IT B2	INTERSECTION TYPE B2
IT D	INTERSECTION TYPE D
CG 01	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG 02	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG 03	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
CG 04	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CG 05	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
CG 06	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CG P	CONCRETE CURB PEDESTRIAN
CRTA	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
CSW	CONCRETE SIDEWALK 4-INCH
AF	ASPHALTIC FLUME

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	INTERSECTION DETAILS	SHEET 55	E

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
801	267+23.99	12.00 RT	428635.902	784725.138	903.65
802	269+11.49	27.00 RT	428753.590	784576.053	903.77
803	269+11.49	12.00 LT	428720.138	784556.004	901.62
804	272+36.10	24.00 LT	428850.389	784262.216	899.86
805	272+51.63	27.00 RT	428903.577	784265.900	902.63
806	50+29.06"DN"	75.53 RT	428909.896	784257.580	902.17
806	50+29.06"DN"	75.53 RT	428909.896	784257.580	902.17
807	272+61.49	27.00 RT	428907.084	784256.535	902.14
808	273+52.68	26.25 RT	428936.591	784169.368	901.53

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
809	273+64.43	25.02 RT	428939.169	784157.836	901.40
810	274+17.40	27.00 RT	428957.919	784108.256	900.85
811	274+17.40	30.00 RT	428960.763	784109.211	901.23
812	275+17.40	12.00 RT	428975.550	784008.684	900.51
813	274+86.10	24.00 LT	428931.456	784026.888	900.29
814	277+03.01	12.00 LT	429011.915	783825.095	900.39
815	50+76.04"DN"	27.00 RT	428969.896	784226.559	902.39
816	50+76.04"DN"	30.00 RT	428968.939	784229.402	902.66
817	51+76.04"DN"	12.00 RT	429071.767	784242.026	903.69

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
818	51+82.52"DN"	12.00 LT	429082.420	784219.566	902.31
819	50+73.69"DN"	30.44 LT	428985.981	784171.363	901.61
820	50+64.81"DN"	35.93 LT	428979.310	784163.331	901.63
821	50+64.03"DN"	33.03 LT	428977.650	784165.831	901.48
822	50+55.87"DN"	17.30 LT	428964.900	784178.134	901.73
823	50+76.04"DN"	77.00 RT	428953.954	784273.949	899.86
824	50+76.97"DN"	81.33 LT	429005.315	784124.180	0.00
825	50+73.30"DN"	117.51 LT	429013.376	784088.717	0.00

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 119	FENO MONUMENT W/ ALUMINUM CAP	52+76.72"DN"	25.14' LT	784,207.58	429,170.64	898.36

LEGEND

IT A2	INTERSECTION TYPE A2
IT B1	INTERSECTION TYPE B1
IT B2	INTERSECTION TYPE B2
IT D	INTERSECTION TYPE D
CG 01	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG 02	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG 03	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
CG 04	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CG 05	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
CG 06	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CG P	CONCRETE CURB PEDESTRIAN
CRTA	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
CSW	CONCRETE SIDEWALK 4-INCH
AF	ASPHALTIC FLUME

NOTES:
SEE SDD "AT-GRADE SIDE ROAD INTERSECTIONS" FOR ADDITIONAL DETAILS

CARRY MAINLINE PAVEMENT STRUCTURE TO END OF FARTHEST RADIUS

POINTS SHOWN AS HAVING ELEVATIONS OF 0.00 ARE NOT ON THE PROPOSED SURFACE

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	INTERSECTION DETAILS	SHEET	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 021115
PLOT DATE : 7/7/2021 1:46 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

LEGEND

IT A2	INTERSECTION TYPE A2
IT B1	INTERSECTION TYPE B1
IT B2	INTERSECTION TYPE B2
IT D	INTERSECTION TYPE D
CG 01	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG 02	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG 03	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
CG 04	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CG 05	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
CG 06	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CG P	CONCRETE CURB PEDESTRIAN
CRTA	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
CSW	CONCRETE SIDEWALK 4-INCH
AF	ASPHALTIC FLUME

2

N

STATUE

STH 69

SIGN

AF

CG 04

CG 02

CG 04

AF

901 902 903 904 905 906 907 908 909 910 911 912 913

278+00 279+00 280+00 281+00 282+00 283+00 284+00 285+00

201+00"EB" 202+00"EB" 203+00"EB" 204+00"EB" 205+00"EB"

12' 5' 3' 3' 12' 12' 4'

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

TLE (TYP)

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	INTERSECTION DETAILS	SHEET 57	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 021116

PLOT DATE : 7/7/2021 1:47 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 118	FENO MONUMENT W/ ALUMINUM CAP	106+15.05"PB"	56.58' RT	782,821.60	429,160.15	902.75

N

ALLIANT ENERGY ELECTRIC

CTH PB

STH 69

TDS TELEPHONE

MG&E GAS CAUTION

TLE (TYP)

EXISTING R/W (TYP)

SLOPE INTERCEPT (TYP)

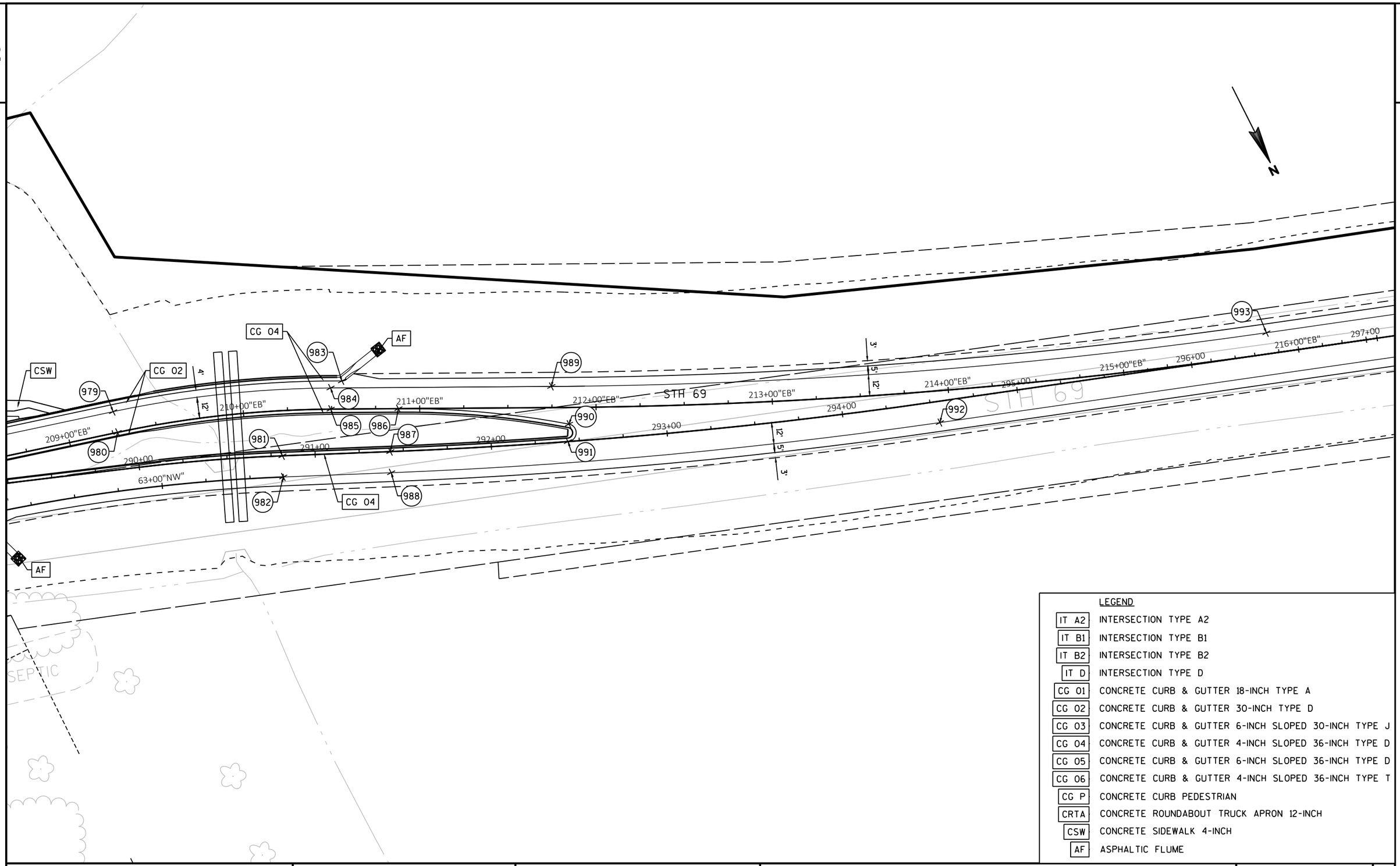
BM 118

LEGEND

IT A2	INTERSECTION TYPE A2
IT B1	INTERSECTION TYPE B1
IT B2	INTERSECTION TYPE B2
IT D	INTERSECTION TYPE D
CG 01	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG 02	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG 03	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
CG 04	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CG 05	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
CG 06	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CG P	CONCRETE CURB PEDESTRIAN
CRTA	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
CSW	CONCRETE SIDEWALK 4-INCH
AF	ASPHALTIC FLUME

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	INTERSECTION DETAILS	SHEET 58	E

2



LEGEND

IT A2	INTERSECTION TYPE A2
IT B1	INTERSECTION TYPE B1
IT B2	INTERSECTION TYPE B2
IT D	INTERSECTION TYPE D
CG 01	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG 02	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG 03	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
CG 04	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CG 05	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
CG 06	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CG P	CONCRETE CURB PEDESTRIAN
CRTA	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
CSW	CONCRETE SIDEWALK 4-INCH
AF	ASPHALTIC FLUME

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	INTERSECTION DETAILS	SHEET 59	E

2

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
901	200+00.00"EB"	12.00 LT	429128.242	783478.872	900.16
902	281+52.56	12.00 RT	429177.844	783406.595	900.10
903	202+56.98"EB"	12.00 LT	429188.560	783231.489	900.61
904	283+23.18	12.00 RT	429223.167	783240.775	900.37
905	202+96.64"EB"	0.00 LT	429206.506	783194.138	901.06
906	283+65.63	4.00 LT	429216.343	783195.931	900.91
907	283+54.68	16.73 RT	429234.346	783210.951	900.37
908	284+39.26	0.01 LT	429235.553	783124.735	901.39
909	284+43.44	0.00	429236.436	783120.650	901.43
910	284+43.44	12.00 RT	429248.174	783123.145	901.19
911	285+26.57	0.00	429248.044	783038.403	902.26
912	285+26.57	12.00 RT	429260.013	783039.253	902.02
913	285+62.72	12.00 RT	429262.575	783003.196	902.39
914	205+20.51"EB"	19.20 LT	429221.886	782970.117	902.37
915	205+16.86"EB"	0.00	429240.327	782976.535	902.83
916	40+00.00"NE"	0.00	429268.931	782970.180	902.66
917	205+41.15"EB"	0.00	429243.473	782952.452	903.07
918	286+10.22	0.00	429253.971	782954.968	903.13
919	31+94.59"SE"	0.00 LT	429229.934	782941.685	902.88
920	206+07.97"EB"	0.00	429250.517	782886.002	903.78
921	20+86.28"C"	20.00 RT	429257.908	782882.153	903.86
922	21+00.90"C"	20.00 RT	429276.641	782889.355	903.86
923	286+75.42	0.00	429278.732	782895.897	903.80
924	40+68.18"NE"	0.00	429295.695	782908.905	903.39
925	30+93.04"SE"	0.00	429222.691	782840.623	904.00

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
926	41+07.72"NE"	0.00	429330.822	782893.104	903.89
927	108+17.87"PB"	0.00	429355.849	782869.517	904.04
928	21+62.65"C"	20.00 RT	429352.000	782861.555	904.27
929	21+82.18"C"	20.00 RT	429363.648	782837.478	904.44
930	108+31.17"PB"	34.29 LT	429370.350	782835.719	904.28
931	60+57.17"NW"	0.00	429385.607	782824.328	903.88
932	41+65.99"NE"	0.00 RT	429389.071	782891.518	903.15
933	41+88.73"NE"	3.00 RT	429411.886	782893.892	902.82
934	108+69.38"PB"	0.00	429407.326	782871.335	903.33
935	108+71.09"PB"	9.70 LT	429409.375	782861.702	903.17
936	60+02.03"NW"	0.00	429432.750	782851.565	902.66
937	109+14.66"PB"	20.02 LT	429453.283	782852.924	902.54
938	109+85.56"PB"	15.47 RT	429522.882	782890.894	902.72
939	109+91.79"PB"	11.00 LT	429530.047	782864.661	902.83
940	110+19.28"PB"	46.35 RT	429555.490	782922.948	0.00
941	110+29.25"PB"	46.24 RT	429565.460	782923.192	0.00
942	110+28.63"PB"	10.78 LT	429566.857	782866.180	0.00
943	208+57.75"EB"	12.00 LT	429354.700	782665.755	903.94
944	208+35.32"EB"	0.00	429360.595	782690.502	904.35
945	55+77.88"SW"	0.00	429341.300	782692.261	904.05
946	61+98.16"NW"	6.84 RT	429398.393	782690.927	903.77
947	61+67.17"NW"	0.00	429384.362	782719.275	904.15
948	207+67.85"EB"	0.00	429323.511	782745.328	904.86
949	55+12.58"SW"	0.00	429295.530	782737.200	904.59
950	22+56.32"C"	20.00 RT	429324.198	782752.161	904.90

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
951	22+41.96"C"	20.00 RT	429340.759	782762.863	904.88
952	288+27.94	0.00	429348.716	782760.772	904.83
953	61+03.88"NW"	0.00	429372.124	782781.367	904.51
954	106+59.32"PB"	0.00	429217.796	782794.857	904.26
955	20+11.48"C"	20.00 RT	429224.536	782793.540	904.35
956	23+21.56"C"	20.00 RT	429241.232	782767.018	904.56
957	106+50.39"PB"	40.63 LT	429239.230	782758.757	904.52
958	54+83.21"SW"	0.00	429266.937	782741.700	904.46
959	30+10.98"SE"	0.00	429169.121	782782.228	903.69
960	106+27.69"PB"	30.41 LT	429208.517	782748.682	904.19
961	106+00.45"PB"	0.00	429168.175	782764.779	903.99
962	105+67.62"PB"	12.00 RT	429133.391	782768.263	903.65
963	105+67.62"PB"	0.00	429136.366	782756.638	903.84
964	53+65.21"SW"	0.00	429151.666	782716.974	903.31
965	105+24.49"PB"	0.00	429095.148	782744.003	903.64
966	105+22.47"PB"	9.59 LT	429096.528	782734.305	903.54
967	53+33.55"SW"	7.23 LT	429123.775	782700.619	902.78
968	104+73.92"PB"	0.00	429048.577	782724.351	903.40
969	104+82.73"PB"	0.00	429056.539	782728.145	903.44
970	104+86.60"PB"	8.23 LT	429063.461	782722.264	903.38
971	104+38.52"PB"	27.25 LT	429031.201	782684.118	902.85
972	103+62.87"PB"	16.00 RT	428945.356	782676.389	903.46
973	103+66.60"PB"	6.45 LT	428962.583	782661.504	903.12
974	103+65.96"PB"	18.36 LT	428969.667	782651.910	902.75
975	103+41.76"PB"	12.00 RT	428931.618	782659.060	903.39

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
976	50+00.00"SW"	0.00	428836.277	782539.184	903.29
977	23+33.01"C"	53.00 LT	429293.222	782818.263	907.56
978	109+87.29"PB"	47.42 RT	429523.491	782922.889	0.00
979	209+27.73"EB"	12.00 LT	429372.516	782598.075	903.42
980	209+27.73"EB"	0.00	429384.121	782601.130	903.66
981	290+81.45	0.00	429438.130	782523.632	903.57
982	63+68.84"NW"	0.00	429449.044	782528.621	903.33
983	210+56.02"EB"	15.97 LT	429415.406	782474.383	902.80
984	210+49.49"EB"	12.00 LT	429416.059	782481.992	902.89
985	210+49.49"EB"	0.00	429426.810	782487.323	903.13
986	210+87.91"EB"	0.00	429443.875	782452.908	903.11
987	291+42.66	0.00	429463.532	782467.941	903.50
988	291+42.66	12.00 RT	429474.450	782472.921	903.26
989	211+74.72"EB"	12.00 LT	429471.689	782369.803	903.07
990	211+84.53"EB"	9.45 RT	429495.263	782370.503	903.44
991	292+43.54	0.00	429503.845	782375.469	903.71
992	294+54.02	12.00 RT	429589.198	782182.285	904.47
993	215+83.28"EB"	12.00 LT	429627.120	781994.064	905.39

NOTE: POINTS SHOWN AS HAVING ELEVATIONS OF 0.00 ARE NOT ON THE PROPOSED SURFACE

LEGEND

IT A2	INTERSECTION TYPE A2
IT B1	INTERSECTION TYPE B1
IT B2	INTERSECTION TYPE B2
IT D	INTERSECTION TYPE D
CG 01	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG 02	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG 03	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
CG 04	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CG 05	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
CG 06	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CG P	CONCRETE CURB PEDESTRIAN
CRTA	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
CSW	CONCRETE SIDEWALK 4-INCH
AF	ASPHALTIC FLUME

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1001	314+89.40	12.00 RT	430284.168	780275.818	912.79
1002	317+06.40	24.00 RT	430417.991	780107.337	911.65
1003	317+03.51	12.00 LT	430388.024	780087.181	913.63
1004	318+03.51	30.00 LT	430439.159	779998.139	914.56
1005	318+03.51	27.00 LT	430441.407	780000.126	914.22
1006	319+28.45	27.00 LT	430528.377	779908.004	913.92
1007	319+28.45	30.00 LT	430526.264	779905.874	914.09
1008	319+38.31	27.00 LT	430535.495	779900.980	913.90
1009	319+56.40	24.00 RT	430584.029	779924.924	911.05
1010	321+28.44	27.00 LT	430679.639	779773.004	913.44
1011	322+81.40	12.00 RT	430826.302	779713.199	910.93

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1012	323+15.94	12.00 LT	430841.793	779674.095	912.07
1013	49+34.17"HM"	15.00 RT	430438.999	779944.652	914.97
1014	49+33.97"HM"	18.00 RT	430436.802	779946.704	915.35
1015	49+23.97"HM"	15.00 RT	430431.580	779937.664	915.25
1016	48+34.14"HM"	10.00 RT	430367.459	779878.137	917.50
1017	48+34.14"HM"	10.00 LT	430378.050	779861.172	918.66
1018	49+14.14"HM"	18.00 LT	430447.044	779906.896	916.66
1019	49+14.14"HM"	15.00 LT	430444.987	779909.080	916.29
1020	49+33.97"HM"	55.00 RT	430411.434	779973.638	907.30
1021	49+14.14"HM"	75.00 LT	430486.125	779865.403	910.13

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 116	FENO MONUMENT W/ ALUMINUM CAP	47+34.41"HM"	10.79' RT	779,835.46	430,278.79	919.64

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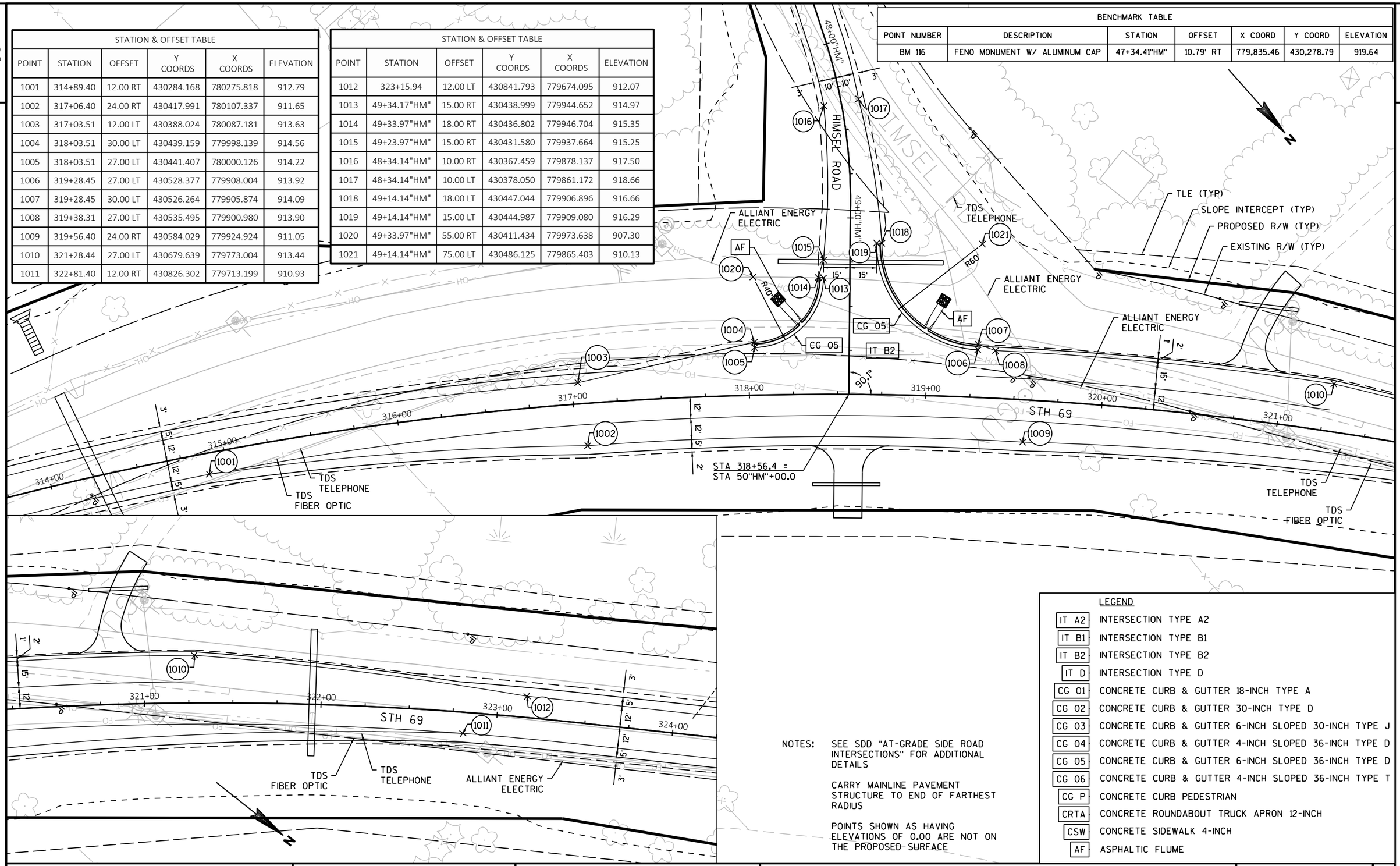

NOTES:

SEE SDD "AT-GRADE SIDE ROAD INTERSECTIONS" FOR ADDITIONAL DETAILS

CARRY MAINLINE PAVEMENT STRUCTURE TO END OF FARTHEST RADIUS

POINTS SHOWN AS HAVING ELEVATIONS OF 0.00 ARE NOT ON THE PROPOSED SURFACE

LEGEND

IT A2	INTERSECTION TYPE A2
IT B1	INTERSECTION TYPE B1
IT B2	INTERSECTION TYPE B2
IT D	INTERSECTION TYPE D
CG 01	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG 02	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG 03	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
CG 04	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CG 05	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
CG 06	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CG P	CONCRETE CURB PEDESTRIAN
CRTA	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
CSW	CONCRETE SIDEWALK 4-INCH
AF	ASPHALTIC FLUME

PROJECT NO:1693-05-72	HWY:STH 69	COUNTY:DANE	INTERSECTION DETAILS	SHEET 61	E

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1101	340+39.11	12.00 RT	432316.471	778784.631	917.62
1102	342+56.11	24.00 RT	432518.006	778708.094	914.03
1103	342+52.58	12.00 LT	432501.616	778675.849	915.85
1104	343+52.64	30.00 LT	432590.177	778624.143	915.44
1105	343+52.58	27.00 LT	432591.087	778627.003	915.75
1106	344+78.42	27.00 LT	432712.555	778588.948	916.58
1107	344+78.42	30.00 LT	432711.735	778586.062	916.88
1108	344+88.31	27.00 LT	432722.180	778586.238	916.69
1109	346+78.42	27.00 LT	432909.309	778542.115	919.03
1110	345+06.11	24.00 RT	432752.885	778630.684	914.29
1111	348+31.11	12.00 RT	433066.689	778556.511	920.20

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1112	348+65.59	11.37 LT	433098.179	778529.253	922.19
1113	49+33.63"SC"	15.00 RT	432616.290	778577.034	916.00
1114	49+33.63"SC"	18.00 RT	432613.430	778577.943	916.37
1115	49+23.63"SC"	15.00 RT	432613.262	778567.504	916.00
1116	48+33.44"SC"	10.00 RT	432591.920	778478.969	915.30
1117	48+33.44"SC"	10.00 LT	432611.352	778474.237	914.40
1118	49+13.96"SC"	18.13 LT	432641.912	778548.255	915.50
1119	49+14.16"SC"	15.00 LT	432638.986	778549.397	915.57
1120	49+33.63"SC"	55.00 RT	432578.168	778589.147	910.51
1121	49+14.16"SC"	75.00 LT	432696.170	778531.229	0.00

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 114	FENO MONUMENT W/ ALUMINUM CAP	46+61.98"SC"	15.56' LT	778,306.61	432,599.94	908.93

TDS FIBER OPTIC
TDS TELEPHONE
ALLIANT ENERGY ELECTRIC
SCHALLER ROAD
TLE (TYP)
PROPOSED R/W (TYP)
SLOPE INTERCEPT (TYP)
EXISTING R/W (TYP)
STH 69
CG 05
IT B2
AF
R40'
R60'
90.2°
STA 344+06.1 = STA 50"SC"+00.0

LEGEND	
IT A2	INTERSECTION TYPE A2
IT B1	INTERSECTION TYPE B1
IT B2	INTERSECTION TYPE B2
IT D	INTERSECTION TYPE D
CG 01	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG 02	CONCRETE CURB & GUTTER 30-INCH TYPE D
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CG 04	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CG 05	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
CG 06	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CG P	CONCRETE CURB PEDESTRIAN
CRTA	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
CSW	CONCRETE SIDEWALK 4-INCH
AF	ASPHALTIC FLUME

NOTES:
SEE SDD "AT-GRADE SIDE ROAD INTERSECTIONS" FOR ADDITIONAL DETAILS

CARRY MAINLINE PAVEMENT STRUCTURE TO END OF FARTHEST RADIUS

POINTS SHOWN AS HAVING ELEVATIONS OF 0.00 ARE NOT ON THE PROPOSED SURFACE

PROJECT NO:1693-05-72	HWY:STH 69	COUNTY:DANE	INTERSECTION DETAILS	SHEET 62	E

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 110	FENO MONUMENT W/ ALUMINUM CAP	390+36.19	29.64' LT	778,308.68	437,259.61	916.70
BM 109S	FENO MONUMENT W/ ALUMINUM CAP	52+02.67"SU"	24.55' RT	778,540.03	437,779.80	926.11

POIN
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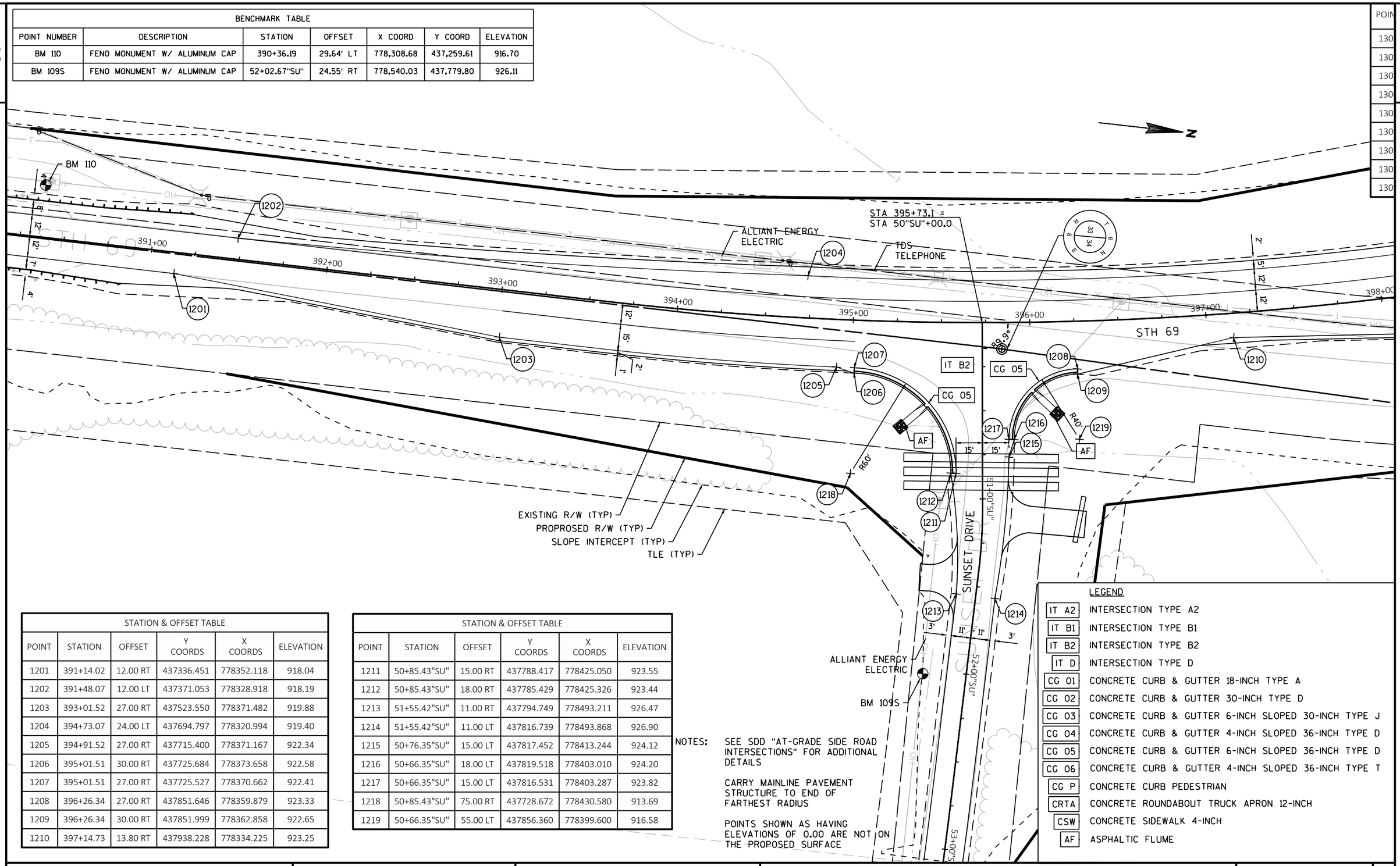


STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1201	391+14.02	12.00 RT	437336.451	778352.118	918.04
1202	391+48.07	12.00 LT	437371.053	778328.918	918.19
1203	393+01.52	27.00 RT	437523.550	778371.482	919.88
1204	394+73.07	24.00 LT	437694.797	778320.994	919.40
1205	394+91.52	27.00 RT	437715.400	778371.167	922.34
1206	395+01.51	30.00 RT	437725.684	778373.658	922.58
1207	395+01.51	27.00 RT	437725.527	778370.662	922.41
1208	396+26.34	27.00 RT	437851.646	778359.879	923.33
1209	396+26.34	30.00 RT	437851.999	778362.858	922.65
1210	397+14.73	13.80 RT	437938.228	778334.225	923.25

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1211	50+85.43"SU"	15.00 RT	437788.417	778425.050	923.55
1212	50+85.43"SU"	18.00 RT	437785.429	778425.326	923.44
1213	51+55.42"SU"	11.00 RT	437794.749	778493.211	926.47
1214	51+55.42"SU"	11.00 LT	437816.739	778493.868	926.90
1215	50+76.35"SU"	15.00 LT	437817.452	778413.244	924.12
1216	50+66.35"SU"	18.00 LT	437819.518	778403.010	924.20
1217	50+66.35"SU"	15.00 LT	437816.531	778403.287	923.82
1218	50+85.43"SU"	75.00 RT	437728.672	778430.580	913.69
1219	50+66.35"SU"	55.00 LT	437856.360	778399.600	916.58

NOTES:
SEE SDD "AT-GRADE SIDE ROAD INTERSECTIONS" FOR ADDITIONAL DETAILS

CARRY MAINLINE PAVEMENT STRUCTURE TO END OF FARTHEST RADIUS

POINTS SHOWN AS HAVING ELEVATIONS OF 0.00 ARE NOT ON THE PROPOSED SURFACE

LEGEND

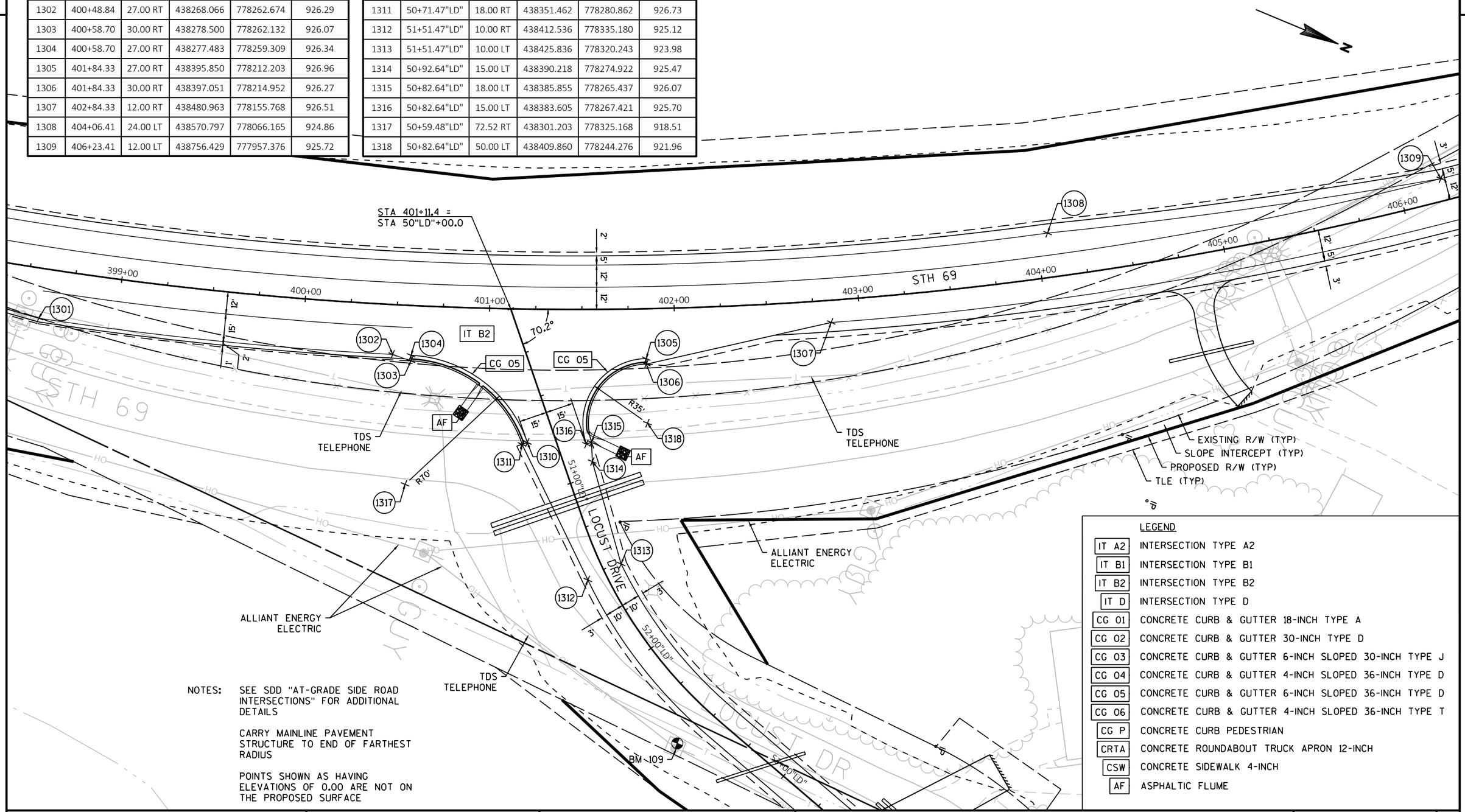
IT A2	INTERSECTION TYPE A2
IT B1	INTERSECTION TYPE B1
IT B2	INTERSECTION TYPE B2
IT D	INTERSECTION TYPE D
CG 01	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG 02	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG 03	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
CG 04	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CG 05	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
CG 06	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CG P	CONCRETE CURB PEDESTRIAN
CRTA	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
CSW	CONCRETE SIDEWALK 4-INCH
AF	ASPHALTIC FLUME

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	INTERSECTION DETAILS	SHEET 63	E

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1301	398+58.70	27.00 RT	438083.384	778317.880	925.04
1302	400+48.84	27.00 RT	438268.066	778262.674	926.29
1303	400+58.70	30.00 RT	438278.500	778262.132	926.07
1304	400+58.70	27.00 RT	438277.483	778259.309	926.34
1305	401+84.33	27.00 RT	438395.850	778212.203	926.96
1306	401+84.33	30.00 RT	438397.051	778214.952	926.27
1307	402+84.33	12.00 RT	438480.963	778155.768	926.51
1308	404+06.41	24.00 LT	438570.797	778066.165	924.86
1309	406+23.41	12.00 LT	438756.429	777957.376	925.72

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1310	50+71.47"LD"	15.00 RT	438353.713	778278.879	926.36
1311	50+71.47"LD"	18.00 RT	438351.462	778280.862	926.73
1312	51+51.47"LD"	10.00 RT	438412.536	778335.180	925.12
1313	51+51.47"LD"	10.00 LT	438425.836	778320.243	923.98
1314	50+92.64"LD"	15.00 LT	438390.218	778274.922	925.47
1315	50+82.64"LD"	18.00 LT	438385.855	778265.437	926.07
1316	50+82.64"LD"	15.00 LT	438383.605	778267.421	925.70
1317	50+59.48"LD"	72.52 RT	438301.203	778325.168	918.51
1318	50+82.64"LD"	50.00 LT	438409.860	778244.276	921.96

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 109	FENO MONUMENT W/ ALUMINUM CAP	52+45.62"LD"	24.18' RT	778,398.47	438,491.19	918.66



NOTES:

SEE SDD "AT-GRADE SIDE ROAD INTERSECTIONS" FOR ADDITIONAL DETAILS

CARRY MAINLINE PAVEMENT STRUCTURE TO END OF FARTHEST RADIUS

POINTS SHOWN AS HAVING ELEVATIONS OF 0.00 ARE NOT ON THE PROPOSED SURFACE

LEGEND

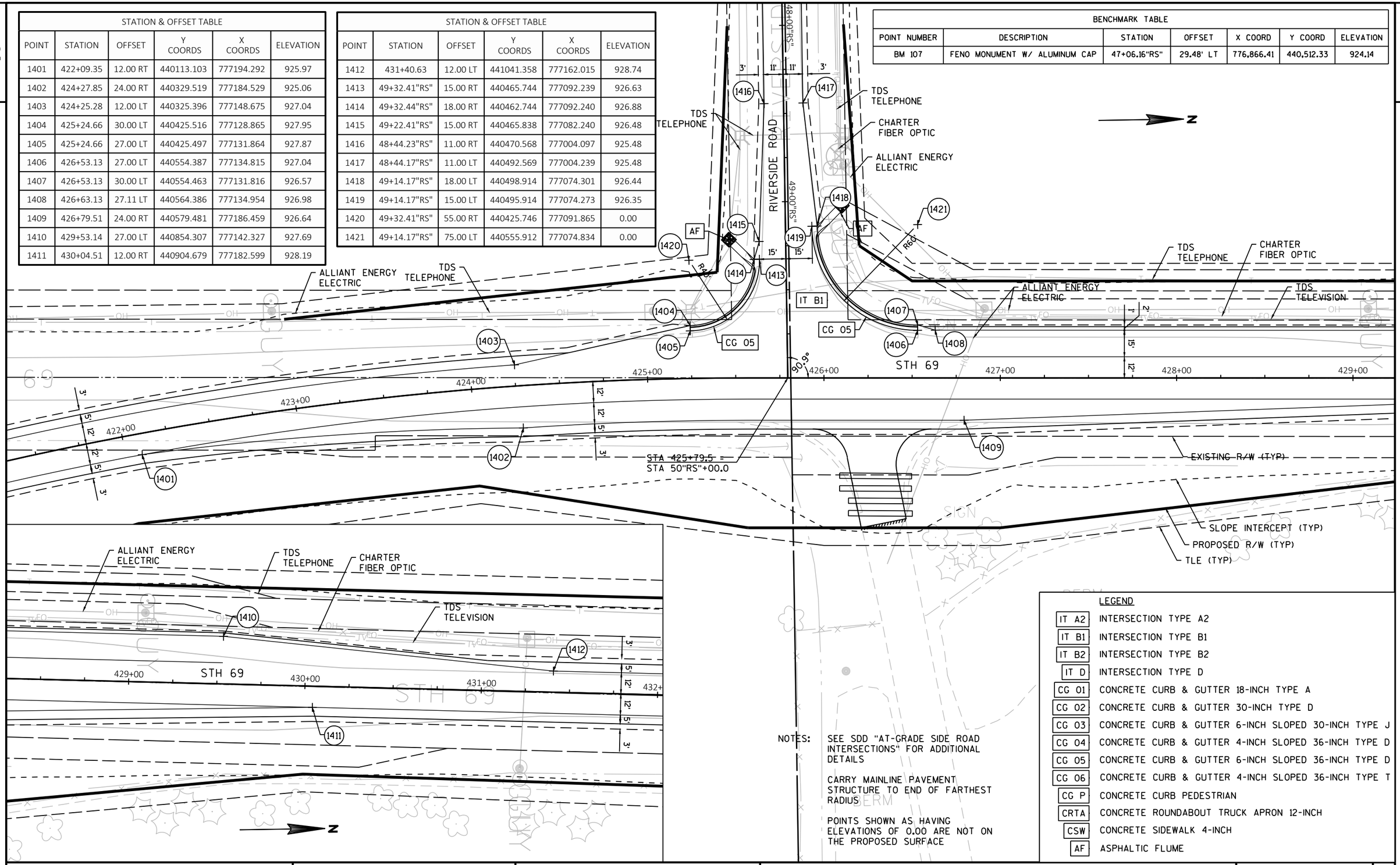
IT A2	INTERSECTION TYPE A2
IT B1	INTERSECTION TYPE B1
IT B2	INTERSECTION TYPE B2
IT D	INTERSECTION TYPE D
CG 01	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG 02	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG 03	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
CG 04	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CG 05	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
CG 06	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CG P	CONCRETE CURB PEDESTRIAN
CRTA	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
CSW	CONCRETE SIDEWALK 4-INCH
AF	ASPHALTIC FLUME

PROJECT NO:1693-05-72	HWY:STH 69	COUNTY:DANE	INTERSECTION DETAILS	SHEET 64	E

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1401	422+09.35	12.00 RT	440113.103	777194.292	925.97
1402	424+27.85	24.00 RT	440329.519	777184.529	925.06
1403	424+25.28	12.00 LT	440325.396	777148.675	927.04
1404	425+24.66	30.00 LT	440425.516	777128.865	927.95
1405	425+24.66	27.00 LT	440425.497	777131.864	927.87
1406	426+53.13	27.00 LT	440554.387	777134.815	927.04
1407	426+53.13	30.00 LT	440554.463	777131.816	926.57
1408	426+63.13	27.11 LT	440564.386	777134.954	926.98
1409	426+79.51	24.00 RT	440579.481	777186.459	926.64
1410	429+53.14	27.00 LT	440854.307	777142.327	927.69
1411	430+04.51	12.00 RT	440904.679	777182.599	928.19

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1412	431+40.63	12.00 LT	441041.358	777162.015	928.74
1413	49+32.41"RS"	15.00 RT	440465.744	777092.239	926.63
1414	49+32.44"RS"	18.00 RT	440462.744	777092.240	926.88
1415	49+22.41"RS"	15.00 RT	440465.838	777082.240	926.48
1416	48+44.23"RS"	11.00 RT	440470.568	777004.097	925.48
1417	48+44.17"RS"	11.00 LT	440492.569	777004.239	925.48
1418	49+14.17"RS"	18.00 LT	440498.914	777074.301	926.44
1419	49+14.17"RS"	15.00 LT	440495.914	777074.273	926.35
1420	49+32.41"RS"	55.00 RT	440425.746	777091.865	0.00
1421	49+14.17"RS"	75.00 LT	440555.912	777074.834	0.00

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 107	FENO MONUMENT W/ ALUMINUM CAP	47+06.16"RS"	29.48' LT	776,866.41	440,512.33	924.14



NOTES:

SEE SDD "AT-GRADE SIDE ROAD INTERSECTIONS" FOR ADDITIONAL DETAILS

CARRY MAINLINE PAVEMENT STRUCTURE TO END OF FARTHEST RADIUS

POINTS SHOWN AS HAVING ELEVATIONS OF 0.00 ARE NOT ON THE PROPOSED SURFACE

LEGEND

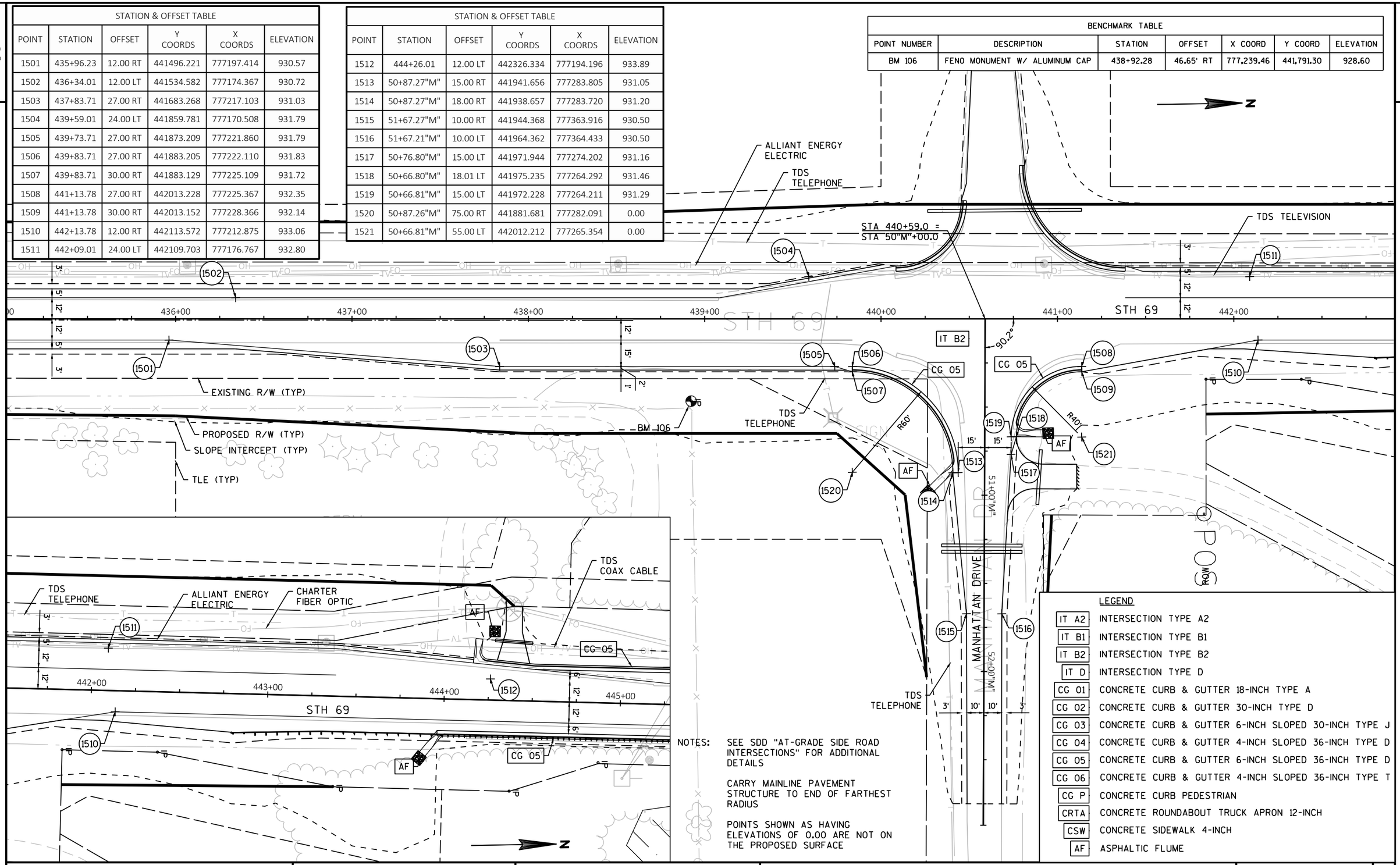
IT A2	INTERSECTION TYPE A2
IT B1	INTERSECTION TYPE B1
IT B2	INTERSECTION TYPE B2
IT D	INTERSECTION TYPE D
CG 01	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG 02	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG 03	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
CG 04	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CG 05	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
CG 06	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CG P	CONCRETE CURB PEDESTRIAN
CRTA	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
CSW	CONCRETE SIDEWALK 4-INCH
AF	ASPHALTIC FLUME

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	INTERSECTION DETAILS	SHEET 65	E

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1501	435+96.23	12.00 RT	441496.221	777197.414	930.57
1502	436+34.01	12.00 LT	441534.582	777174.367	930.72
1503	437+83.71	27.00 RT	441683.268	777217.103	931.03
1504	439+59.01	24.00 LT	441859.781	777170.508	931.79
1505	439+73.71	27.00 RT	441873.209	777221.860	931.79
1506	439+83.71	27.00 RT	441883.205	777222.110	931.83
1507	439+83.71	30.00 RT	441883.129	777225.109	931.72
1508	441+13.78	27.00 RT	442013.228	777225.367	932.35
1509	441+13.78	30.00 RT	442013.152	777228.366	932.14
1510	442+13.78	12.00 RT	442113.572	777212.875	933.06
1511	442+09.01	24.00 LT	442109.703	777176.767	932.80

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1512	444+26.01	12.00 LT	442326.334	777194.196	933.89
1513	50+87.27"M"	15.00 RT	441941.656	777283.805	931.05
1514	50+87.27"M"	18.00 RT	441938.657	777283.720	931.20
1515	51+67.27"M"	10.00 RT	441944.368	777363.916	930.50
1516	51+67.21"M"	10.00 LT	441964.362	777364.433	930.50
1517	50+76.80"M"	15.00 LT	441971.944	777274.202	931.16
1518	50+66.80"M"	18.01 LT	441975.235	777264.292	931.46
1519	50+66.81"M"	15.00 LT	441972.228	777264.211	931.29
1520	50+87.26"M"	75.00 RT	441881.681	777282.091	0.00
1521	50+66.81"M"	55.00 LT	442012.212	777265.354	0.00

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 106	FENO MONUMENT W/ ALUMINUM CAP	438+92.28	46.65' RT	777,239.46	441,791.30	928.60



NOTES:

SEE SDD "AT-GRADE SIDE ROAD INTERSECTIONS" FOR ADDITIONAL DETAILS

CARRY MAINLINE PAVEMENT STRUCTURE TO END OF FARTHEST RADIUS

POINTS SHOWN AS HAVING ELEVATIONS OF 0.00 ARE NOT ON THE PROPOSED SURFACE

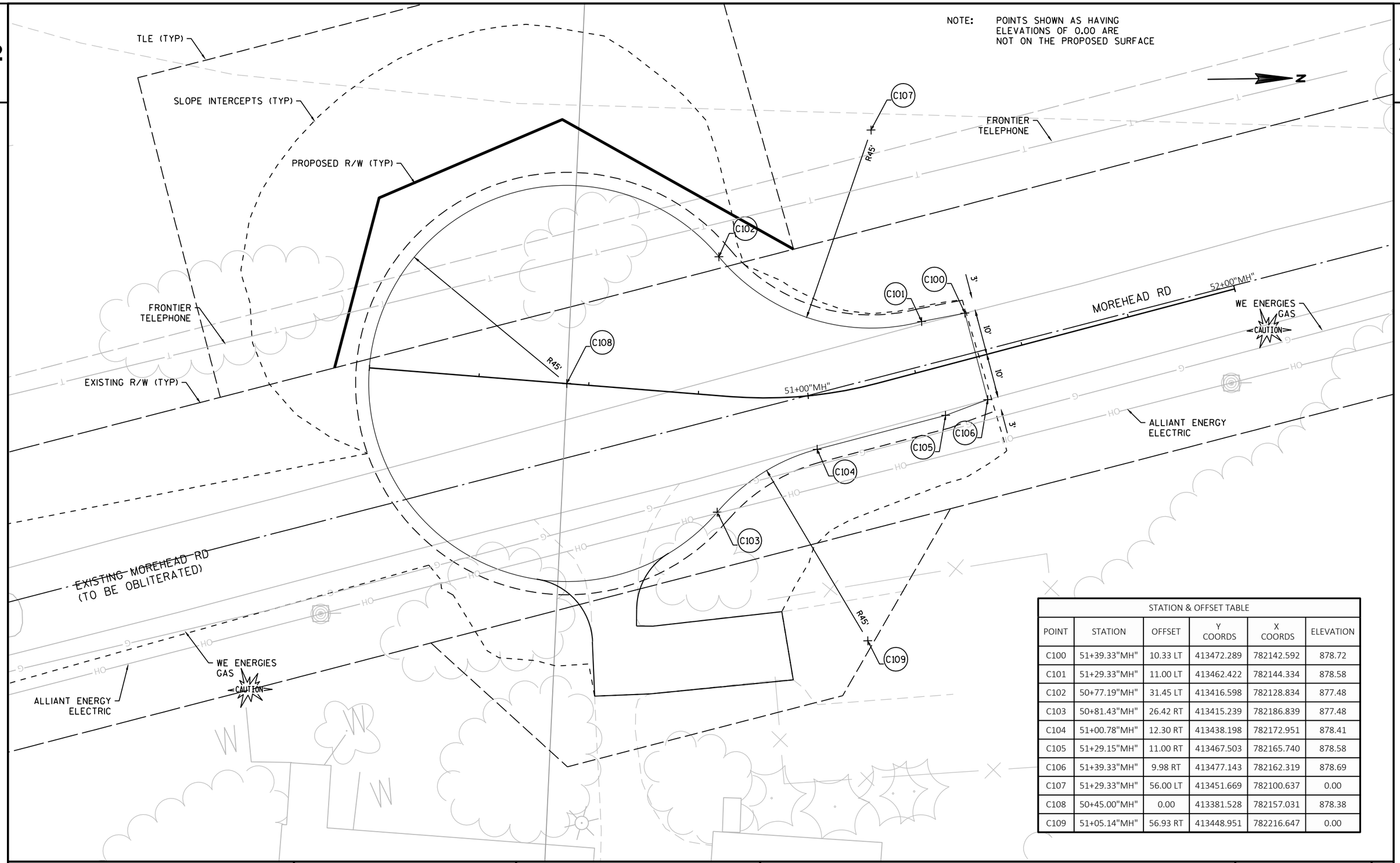
LEGEND

IT A2	INTERSECTION TYPE A2
IT B1	INTERSECTION TYPE B1
IT B2	INTERSECTION TYPE B2
IT D	INTERSECTION TYPE D
CG 01	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG 02	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG 03	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
CG 04	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CG 05	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
CG 06	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CG P	CONCRETE CURB PEDESTRIAN
CRTA	CONCRETE ROUNDABOUT TRUCK APRON 12-INCH
CSW	CONCRETE SIDEWALK 4-INCH
AF	ASPHALTIC FLUME

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	INTERSECTION DETAILS	SHEET	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 021125
PLOT DATE : 7/7/2021 1:53 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

NOTE: POINTS SHOWN AS HAVING ELEVATIONS OF 0.00 ARE NOT ON THE PROPOSED SURFACE



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
C100	51+39.33"MH"	10.33 LT	413472.289	782142.592	878.72
C101	51+29.33"MH"	11.00 LT	413462.422	782144.334	878.58
C102	50+77.19"MH"	31.45 LT	413416.598	782128.834	877.48
C103	50+81.43"MH"	26.42 RT	413415.239	782186.839	877.48
C104	51+00.78"MH"	12.30 RT	413438.198	782172.951	878.41
C105	51+29.15"MH"	11.00 RT	413467.503	782165.740	878.58
C106	51+39.33"MH"	9.98 RT	413477.143	782162.319	878.69
C107	51+29.33"MH"	56.00 LT	413451.669	782100.637	0.00
C108	50+45.00"MH"	0.00	413381.528	782157.031	878.38
C109	51+05.14"MH"	56.93 RT	413448.951	782216.647	0.00

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
C200	76+26.37"OS"	11.99 RT	428646.393	784355.211	901.58
C201	76+71.77"OS"	33.42 RT	428691.599	784360.344	901.44
C202	76+72.22"OS"	24.62 LT	428678.549	784303.784	901.30
C203	76+48.31"OS"	12.01 LT	428656.737	784324.381	901.33
C204	76+26.37"OS"	56.99 RT	428664.615	784396.356	0.00
C205	77+06.85"OS"	0.00	428718.583	784324.332	901.65
C206	76+48.31"OS"	57.01 LT	428638.514	784283.236	0.00

NOTE: POINTS SHOWN AS HAVING ELEVATIONS OF 0.00 ARE NOT ON THE PROPOSED SURFACE

N

EXISTING STH 69 (TO BE OBLITERATED)

MG&E GAS CAUTION

ALLIANT ENERGY ELECTRIC

ALLIANT ENERGY ELECTRIC

C206

R45'

C202

C203

C205

77+00"OS"

R45'

EXISTING DIANE AVE (TO BE OBLITERATED)

3'

12'

12'

3'

76+00"OS"

C200

C201

OLD HWY 69

SLOPE INTERCEPT (TYP)

FRONTIER TELEPHONE

PROPOSED R/W (TYP)

EXISTING R/W (TYP)

TLE (TYP)

R45'

C204

TDS TELEPHONE

STH 69

271+00

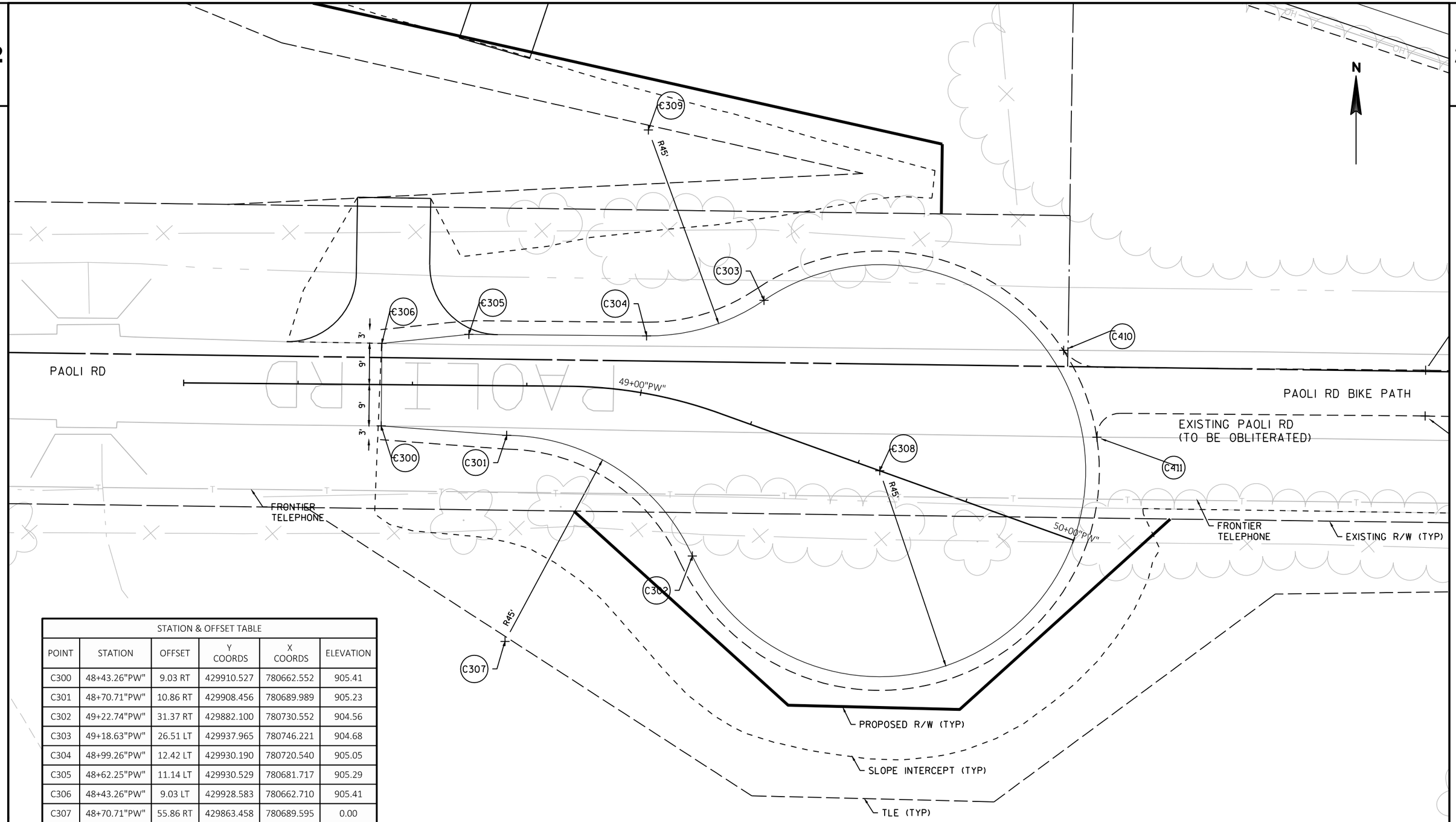
PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	CUL DE SAC DETAILS	SHEET 68	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021102-ID.DWG
LAYOUT NAME - 021127

PLOT DATE : 4/14/2021 3:54 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
C300	48+43.26"PW"	9.03 RT	429910.527	780662.552	905.41
C301	48+70.71"PW"	10.86 RT	429908.456	780689.989	905.23
C302	49+22.74"PW"	31.37 RT	429882.100	780730.552	904.56
C303	49+18.63"PW"	26.51 LT	429937.965	780746.221	904.68
C304	48+99.26"PW"	12.42 LT	429930.190	780720.540	905.05
C305	48+62.25"PW"	11.14 LT	429930.529	780681.717	905.29
C306	48+43.26"PW"	9.03 LT	429928.583	780662.710	905.41
C307	48+70.71"PW"	55.86 RT	429863.458	780689.595	0.00
C308	49+55.00"PW"	0.00	429900.742	780771.509	905.03
C309	48+94.94"PW"	57.06 LT	429975.188	780720.934	0.00

NOTE: POINTS SHOWN AS HAVING ELEVATIONS OF 0.00 ARE NOT ON THE PROPOSED SURFACE

2

N

ALLIANT ENERGY
ELECTRIC

TDS
TELEPHONE

TDS
FIBER OPTIC

ALLIANT ENERGY
ELECTRIC

TDS
FIBER OPTIC

TDS
TELEPHONE

EXISTING PAOLI RD
(TO BE OBLITERATED)

PAOLI RD BIKE PATH

PAOLI RD

51+00"PE"

52+00"PE"

C400 C401 C402 C403 C404 C405 C406 C407 C408 C409 C432 C434 C435

R45'

3'

10'

10'

3'

EXISTING R/W (TYP)

SLOPE INTERCEPT (TYP)

TLE (TYP)

PROPOSED R/W (TYP)

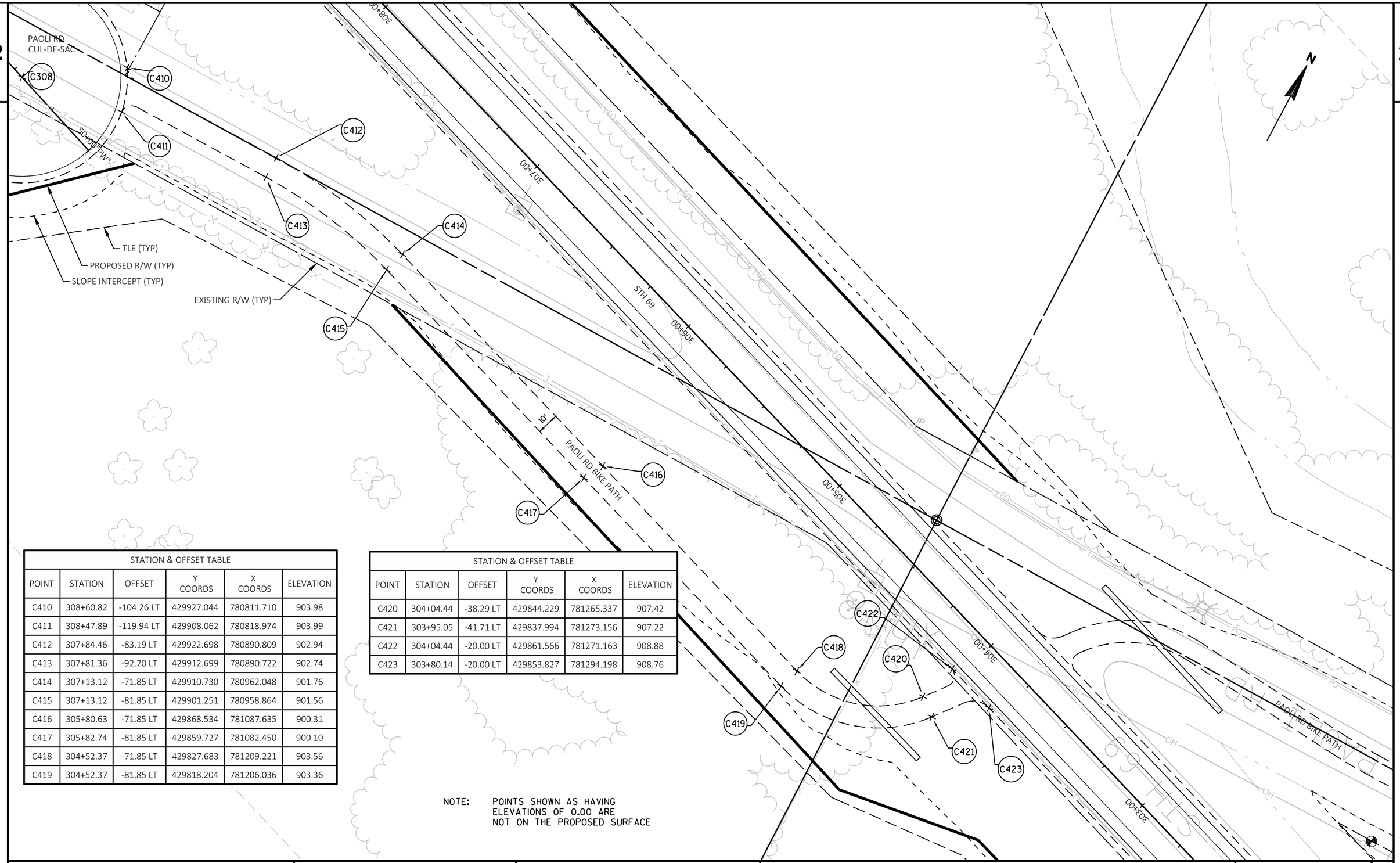
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
C400	51+45.86"PE"	9.70 LT	429919.919	781785.349	903.98
C401	51+31.67"PE"	10.65 LT	429920.989	781771.165	904.02
C402	51+00.88"PE"	12.04 LT	429921.275	781738.551	904.21
C403	50+81.54"PE"	26.27 LT	429929.499	781713.009	904.11
C404	50+77.06"PE"	31.58 RT	429873.368	781727.698	904.05
C405	51+29.42"PE"	11.35 RT	429899.010	781768.716	904.01
C406	51+45.86"PE"	9.70 RT	429900.511	781785.179	903.98
C407	51+05.40"PE"	56.64 LT	429966.273	781738.945	0.00
C408	50+45.00"PE"	0.00	429892.725	781687.074	905.00
C409	51+29.42"PE"	56.35 RT	429854.012	781768.322	0.00

NOTE: POINTS SHOWN AS HAVING ELEVATIONS OF 0.00 ARE NOT ON THE PROPOSED SURFACE

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY:DANE	CUL DE SAC DETAILS	SHEET	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021102-ID.DWG
LAYOUT NAME - 021129

PLOT DATE : 4/14/2021 3:55 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT



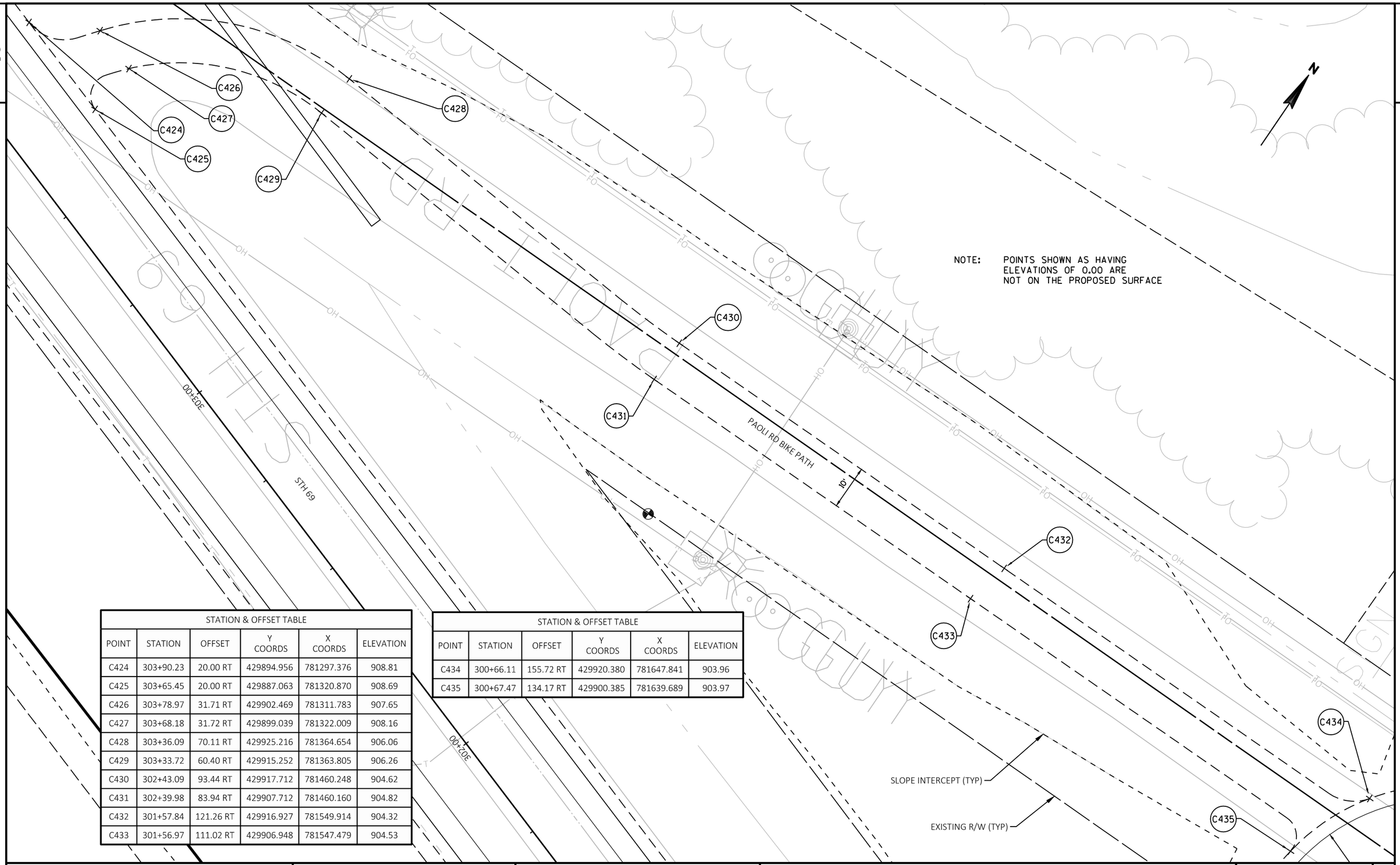
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
C410	308+60.82	-104.26 LT	429927.044	780811.710	903.98
C411	308+47.89	-119.94 LT	429908.062	780818.974	903.99
C412	307+84.46	-83.19 LT	429922.698	780890.809	902.94
C413	307+81.36	-92.70 LT	429912.699	780890.722	902.74
C414	307+13.12	-71.85 LT	429910.730	780962.048	901.76
C415	307+13.12	-81.85 LT	429901.251	780958.864	901.56
C416	305+80.63	-71.85 LT	429868.534	781087.635	900.31
C417	305+82.74	-81.85 LT	429859.727	781082.450	900.10
C418	304+52.37	-71.85 LT	429827.683	781209.221	903.56
C419	304+52.37	-81.85 LT	429818.204	781206.036	903.36

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
C420	304+04.44	-38.29 LT	429844.229	781265.337	907.42
C421	303+95.05	-41.71 LT	429837.994	781273.156	907.22
C422	304+04.44	-20.00 LT	429861.566	781271.163	908.88
C423	303+80.14	-20.00 LT	429853.827	781294.198	908.76

NOTE: POINTS SHOWN AS HAVING ELEVATIONS OF 0.00 ARE NOT ON THE PROPOSED SURFACE

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY:DANE	PAOLI RD BIKE PATH DETAILS	SHEET 71	E

2



NOTE: POINTS SHOWN AS HAVING ELEVATIONS OF 0.00 ARE NOT ON THE PROPOSED SURFACE

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
C424	303+90.23	20.00 RT	429894.956	781297.376	908.81
C425	303+65.45	20.00 RT	429887.063	781320.870	908.69
C426	303+78.97	31.71 RT	429902.469	781311.783	907.65
C427	303+68.18	31.72 RT	429899.039	781322.009	908.16
C428	303+36.09	70.11 RT	429925.216	781364.654	906.06
C429	303+33.72	60.40 RT	429915.252	781363.805	906.26
C430	302+43.09	93.44 RT	429917.712	781460.248	904.62
C431	302+39.98	83.94 RT	429907.712	781460.160	904.82
C432	301+57.84	121.26 RT	429916.927	781549.914	904.32
C433	301+56.97	111.02 RT	429906.948	781547.479	904.53

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
C434	300+66.11	155.72 RT	429920.380	781647.841	903.96
C435	300+67.47	134.17 RT	429900.385	781639.689	903.97

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	PAOLI RD BIKE PATH DETAILS	SHEET 72	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021102-ID.DWG
LAYOUT NAME - 021131
PLOT DATE : 4/14/2021 4:08 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

PROPOSED INLET

N

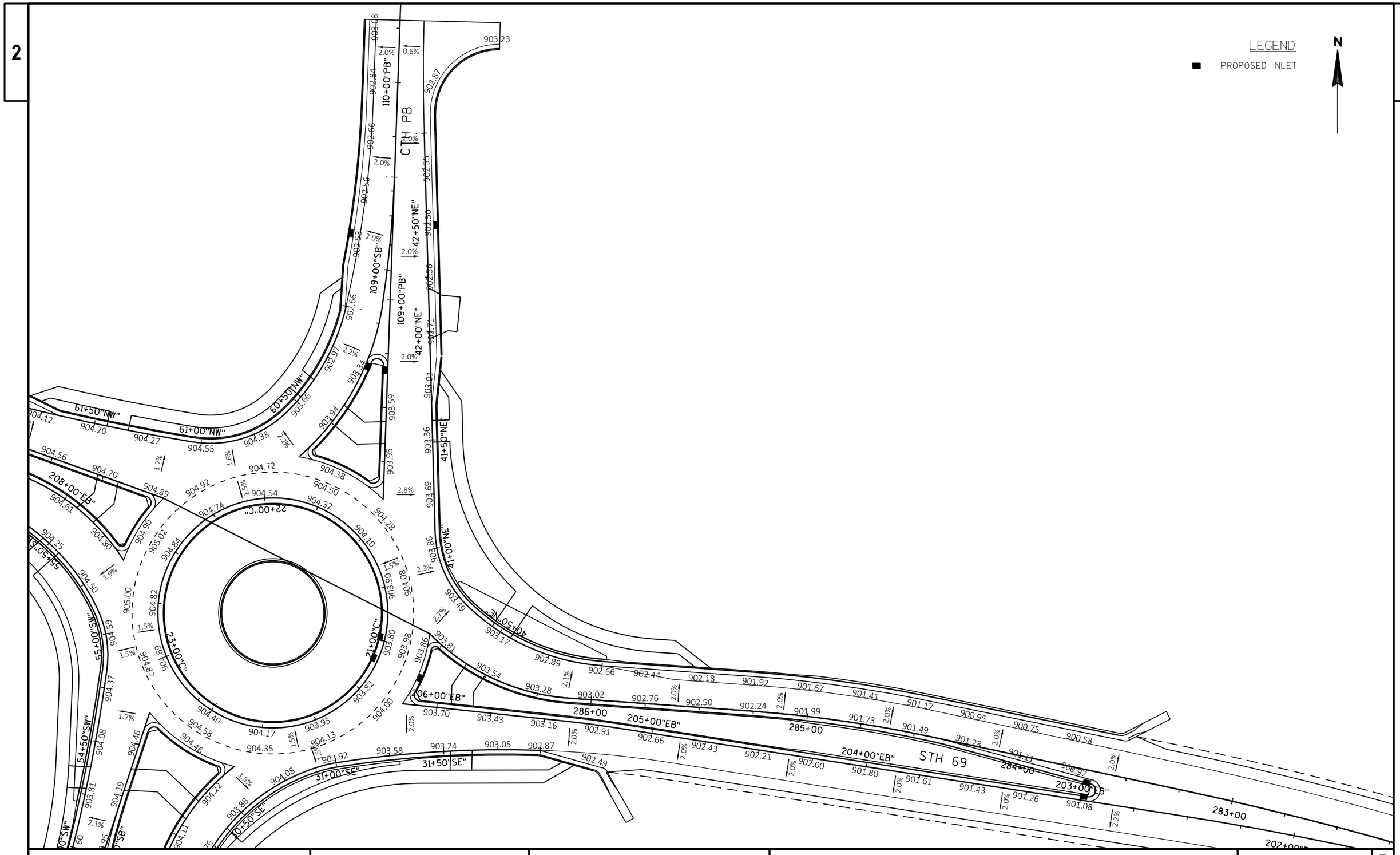
294+00
213+00"EB"
293+00
212+00"EB"
292+00
211+00"EB"
291+00
210+00"EB"
290+00
209+00"EB"
289+00
208+00"EB"
63+50"NW"
63+00"NW"
62+50"NW"
62+00"NW"
61+50"NW"
61+00"NW"
60+50"NW"
55+50"SW"
55+00"SW"
23+00"C"
22+00"C"
STH 69

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVING DETAILS	SHEET 73	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - West Leg

PLOT DATE : 4/14/2021 4:38 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

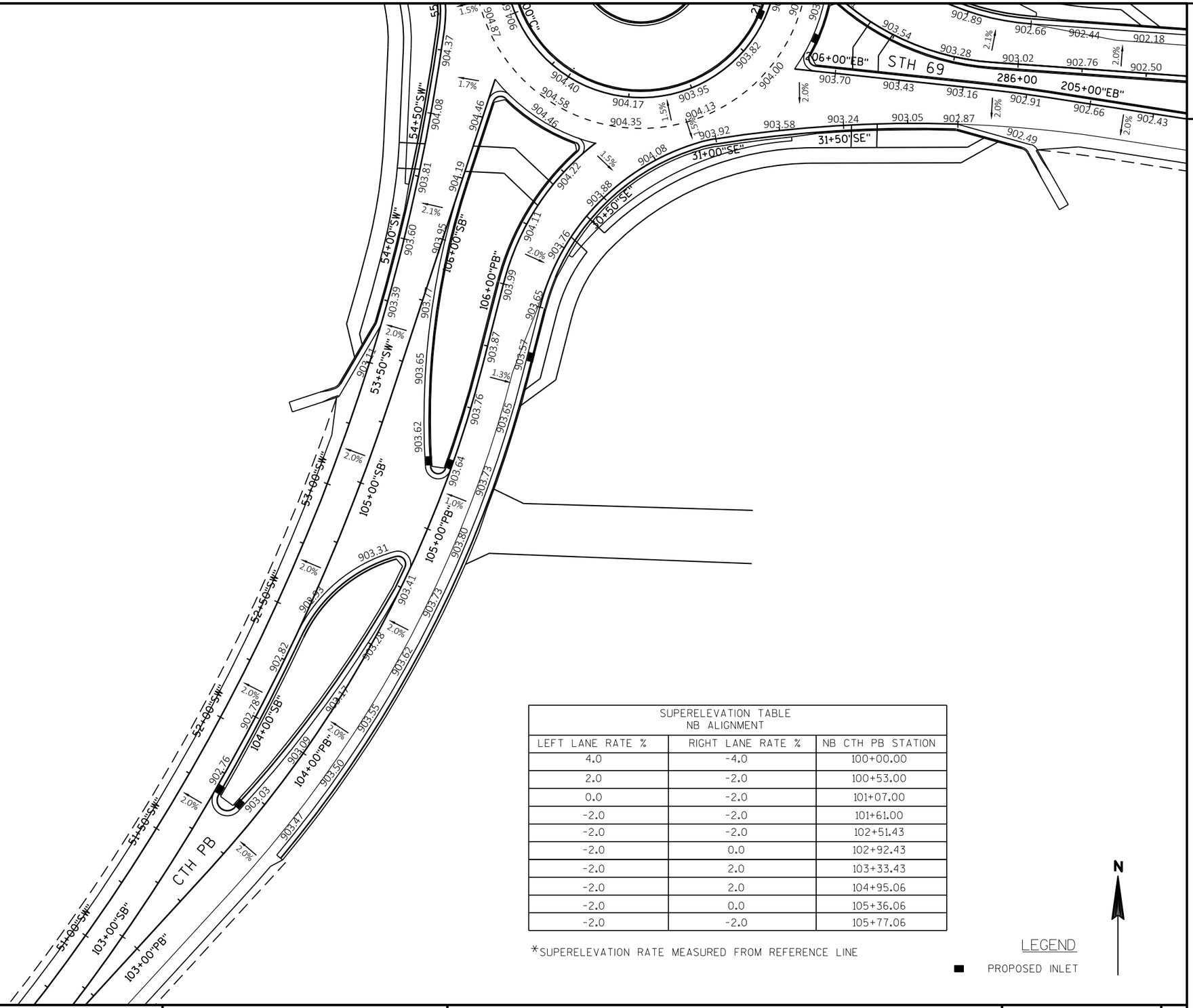


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVING DETAILS	SHEET 74	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - East Leg

PLOT DATE : 4/14/2021 4:38 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



SUPERELEVATION TABLE NB ALIGNMENT		
LEFT LANE RATE %	RIGHT LANE RATE %	NB CTH PB STATION
4.0	-4.0	100+00.00
2.0	-2.0	100+53.00
0.0	-2.0	101+07.00
-2.0	-2.0	101+61.00
-2.0	-2.0	102+51.43
-2.0	0.0	102+92.43
-2.0	2.0	103+33.43
-2.0	2.0	104+95.06
-2.0	0.0	105+36.06
-2.0	-2.0	105+77.06

*SUPERELEVATION RATE MEASURED FROM REFERENCE LINE

LEGEND

■ PROPOSED INLET

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVING DETAILS	SHEET 75	E

WETLAND BOUNDARY

TEMPORARY LIMITED EASEMENT (TYP.)

SLOPE INTERCEPT (TYP.)

STH 69

26+00 27+00 28+00 29+00 30+00 31+00 32+00 33+00

FEDERAL AVE

51+00

LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

RIPRAP

STH 69

34+00 35+00 36+00 37+00 38+00 39+00 40+00 41+00

PROPOSED RIGHT OF WAY (TYP.)

TEMPORARY LIMITED EASEMENT (TYP.)

5TH AVE

51+00

NORTH SHORE DR

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 76 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022001

PLOT DATE : 7/7/2021 12:44 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

SLOPE INTERCEPT (TYP.)

TEMPORARY LIMITED EASEMENT (TYP.)

PROPOSED RIGHT OF WAY (TYP.)

GREENWAY CROSS CT

KARL AVE

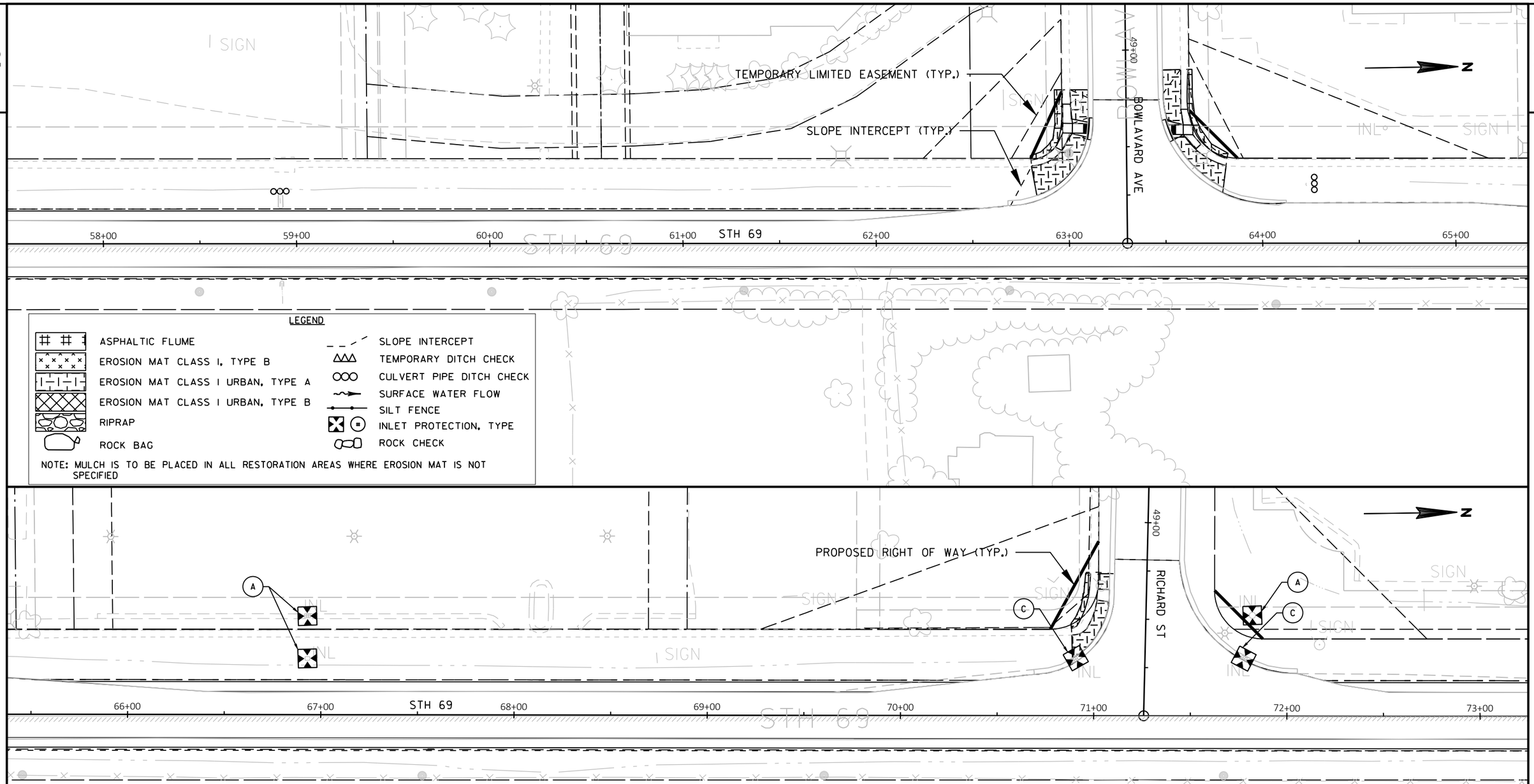
STH 69

LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 77	E


TEMPORARY LIMITED EASEMENT (TYP.)
SLOPE INTERCEPT (TYP.)
BOWLAVARD AVE
49+00
58+00
59+00
60+00
61+00
STH 69
62+00
63+00
64+00
65+00
LEGEND
ASPHALTIC FLUME
EROSION MAT CLASS I, TYPE B
EROSION MAT CLASS I URBAN, TYPE A
EROSION MAT CLASS I URBAN, TYPE B
RIPRAP
ROCK BAG
SLOPE INTERCEPT
TEMPORARY DITCH CHECK
CULVERT PIPE DITCH CHECK
SURFACE WATER FLOW
SILT FENCE
INLET PROTECTION, TYPE
ROCK CHECK
NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED
PROPOSED RIGHT OF WAY (TYP.)
RICHARD ST
49+00
66+00
67+00
STH 69
68+00
69+00
70+00
71+00
72+00
73+00
A
C

2

SLOPE INTERCEPT (TYP.)

GEHIN RD

49+00

4' x 5' MEDIUM RIPRAP. 1.5' DEEP

74+00 STH, 69 75+00 76+00 77+00 78+00 79+00 80+00 81+00

PROPOSED RIGHT OF WAY (TYP.)

LEGEND

ASPHALTIC FLUME	SLOPE INTERCEPT
EROSION MAT CLASS I, TYPE B	TEMPORARY DITCH CHECK
EROSION MAT CLASS I URBAN, TYPE A	CULVERT PIPE DITCH CHECK
EROSION MAT CLASS I URBAN, TYPE B	SURFACE WATER FLOW
RIPRAP	SILT FENCE
ROCK BAG	INLET PROTECTION, TYPE #
	ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

5' x 5' MEDIUM RIPRAP. 1.5' DEEP

49+00

LITTLE LAKES RD

82+00 83+00 84+00 85+00 STH 69 86+00 87+00 88+00 89+00

TEMPORARY LIMITED EASEMENT (TYP.)

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 79	E

WETLAND BOUNDARY

SLOPE INTERCEPT (TYP.)

WETLAND IMPACTS WITHIN SITE 1A - 0.085 ACRES

WETLAND IMPACTS WITHIN SITE 1B - 0.012 ACRES

TEMPORARY LIMITED EASEMENT (TYP.)

WETLAND IMPACTS WITHIN SITE 1C - 0.032 ACRES

PROPOSED RIGHT OF WAY (TYP.)

STH 69

FOOTBRIDGE

WALLS

N

LEGEND

ASPHALTIC FLUME	SLOPE INTERCEPT
EROSION MAT CLASS I, TYPE B	TEMPORARY DITCH CHECK
EROSION MAT CLASS I URBAN, TYPE A	CULVERT PIPE DITCH CHECK
EROSION MAT CLASS I URBAN, TYPE B	SURFACE WATER FLOW
RIPRAP	SILT FENCE
ROCK BAG	INLET PROTECTION, TYPE
	ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 80	E

2

7' x 11' MEDIUM RIPRAP. 1.5' DEEP

105+00 106+00 107+00 STH 69 108+00 109+00 110+00 111+00 112+00

SLOPE INTERCEPT (TYP.)

PROPOSED RIGHT OF WAY (TYP.)

TEMPORARY LIMITED EASEMENT (TYP.)

113+00 114+00 115+00 116+00 117+00 STH 69 118+00 119+00 120+00

LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE #
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 81	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022006

PLOT DATE : 7/7/2021 12:46 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

7' x 8' MEDIUM RIPRAP. 1.5' DEEP

PROPOSED RIGHT OF WAY (TYP.)

N

STH 69

121+00 122+00 123+00 124+00 125+00 126+00 127+00 128+00

LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

N

SLOPE INTERCEPT (TYP.)

6' x 6' MEDIUM RIPRAP. 1.5' DEEP

LENGHTOWN RD

STH 69

129+00 130+00 131+00 STH 69 132+00 133+00 134+00 135+00 136+00

TEMPORARY LIMITED EASEMENT (TYP.)

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 82	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022007

PLOT DATE : 7/7/2021 12:47 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

TEMPORARY LIMITED EASEMENT (TYP.)

N

FRENCHTOWN RD

49+00

50+00

51+00

137+00 138+00 139+00 140+00 141+00 142+00 143+00 144+00

STH 69

14' x 6' MEDIUM RIPRAP.
1.5' DEEP

6' x 6' MEDIUM RIPRAP.
1.5' DEEP

PROPOSED RIGHT OF WAY (TYP.)

LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

WETLAND BOUNDARY

N

145+00 146+00 147+00 148+00 149+00 150+00 151+00 152+

STH 69

SLOPE INTERCEPT (TYP.)

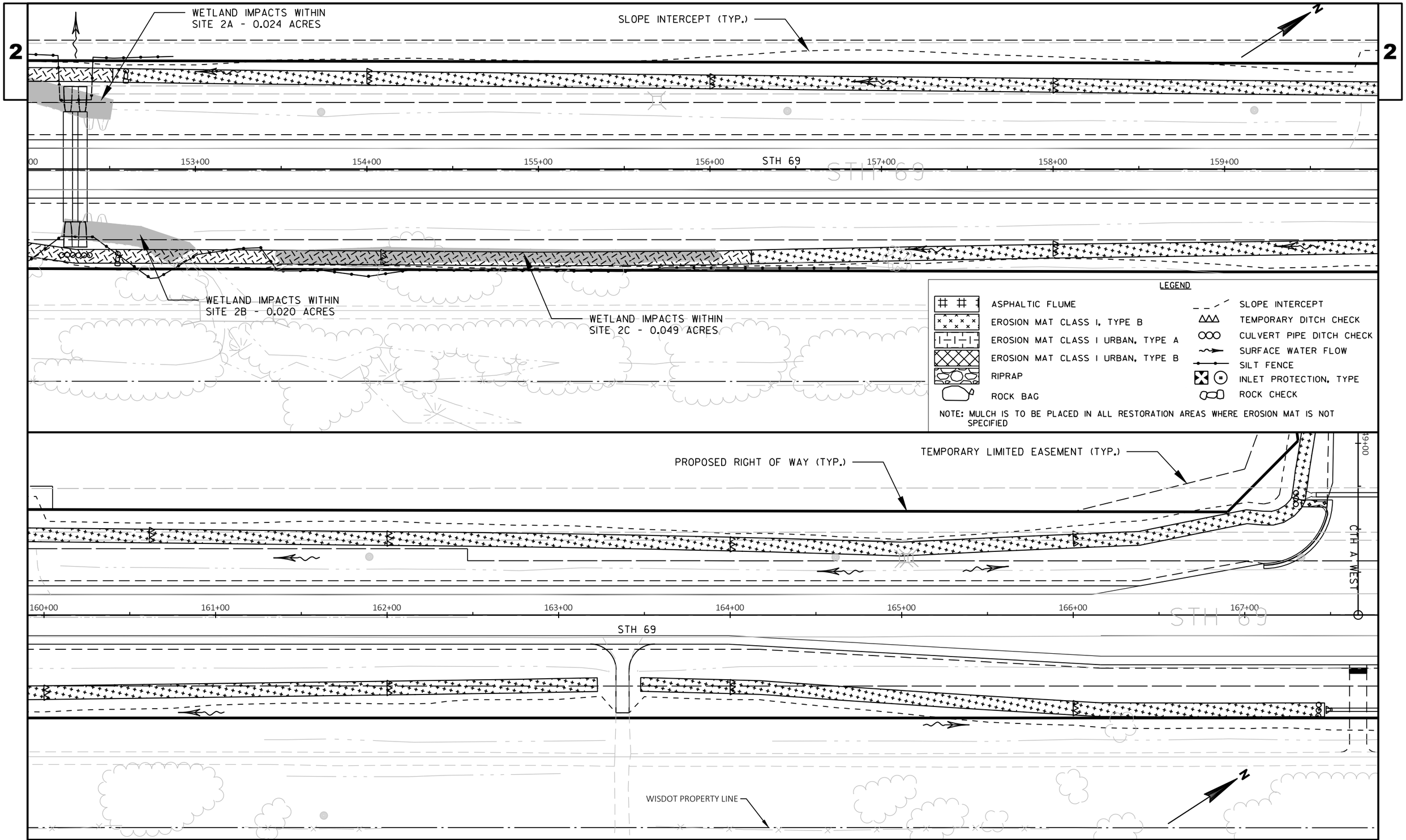
WISDOT PROPERTY LINE

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 83	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022008

PLOT DATE : 7/7/2021 12:47 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44



PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 84	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022009

PLOT DATE : 7/7/2021 12:48 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

6' x 6' MEDIUM RIPRAP. 1.5' DEEP

SLOPE INTERCEPT (TYP.)

N

168+00 169+00 170+00 171+00 172+00 173+00 STH 69 174+00 175+00

PROPOSED RIGHT OF WAY (TYP.)

LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

TEMPORARY LIMITED EASEMENT (TYP.)

WETLAND BOUNDARY

9' x 8' MEDIUM RIPRAP. 15' DEEP

WETLAND IMPACTS WITHIN SITE 3A - 0.703 ACRES

N

176+00 177+00 178+00 STH 69 179+00 180+00 181+00 182+00 183+00 CTH A EAST

WETLAND IMPACTS WITHIN SITE 3B - 0.409 ACRES

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 85	E

2

WETLAND IMPACTS WITHIN
SITE 3B - 0.017 ACRES

WETLAND IMPACTS WITHIN
SITE 3C - 0.005 ACRES

WETLAND IMPACTS WITHIN
SITE 3D - 0.171 ACRES

N

184+00
185+00
186+00
STH 69
187+00
188+00
189+00
190+00
191+00

1902 SF MEDIUM RIPRAP. 1.5' DEEP

WETLAND IMPACTS WITHIN
SITE 3E - 0.573 ACRES

TEMPORARY LIMITED EASEMENT (TYP.)

WETLAND BOUNDARY

WETLAND IMPACTS WITHIN
SITE 4A - 0.366 ACRES

N

12' x 10' MEDIUM RIPRAP. 1.5' DEEP

192+00
193+00
STH 69
194+00
195+00
196+00
197+00
198+00
199+00

355' x 14' MEDIUM RIPRAP.
1.5' DEEP

PROPOSED RIGHT OF WAY (TYP.)

SLOPE INTERCEPT (TYP.)

LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

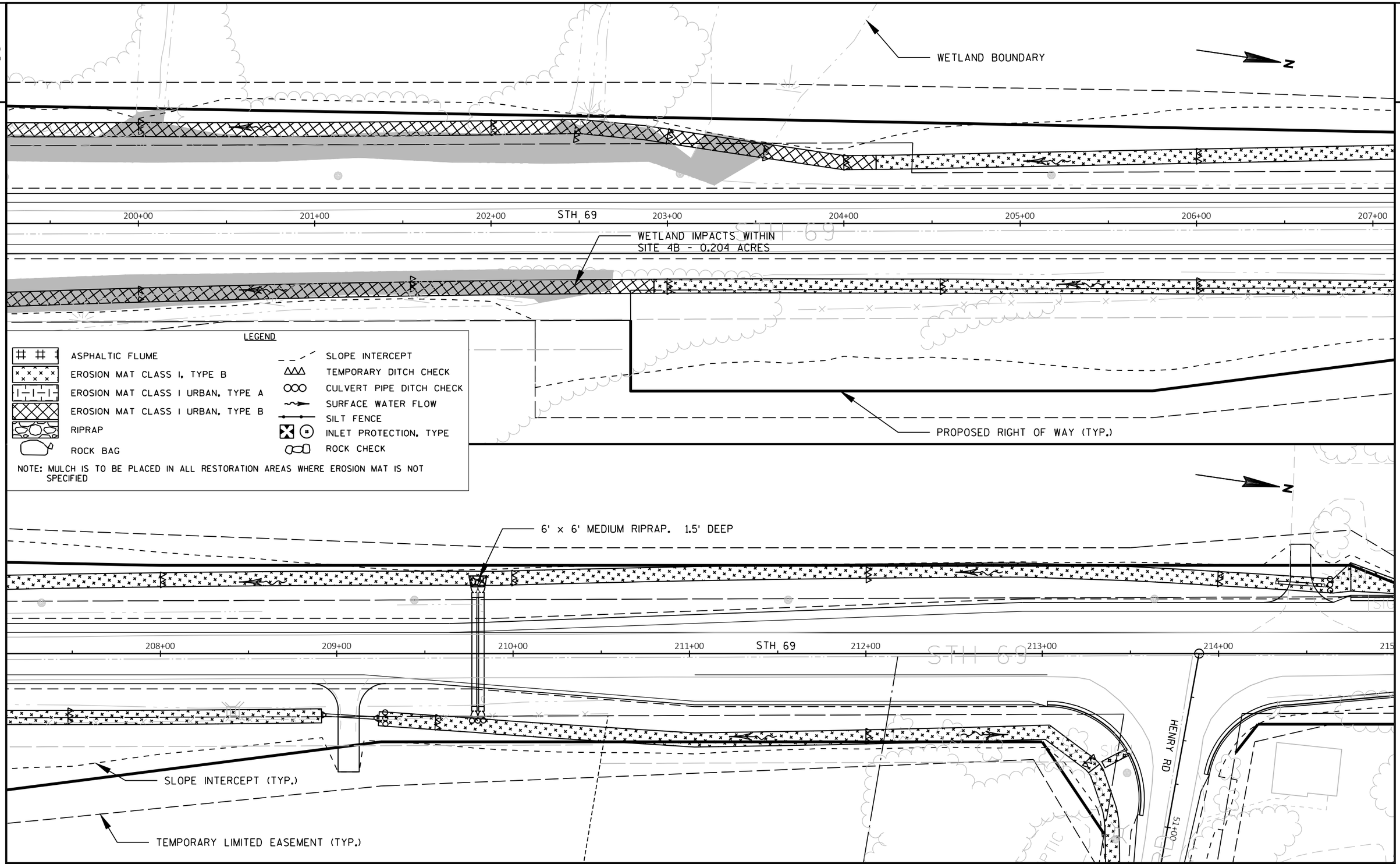
PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 86	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022011

PLOT DATE : 7/7/2021 12:49 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2



2

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 87	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022012

PLOT DATE : 7/7/2021 12:49 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

TEMPORARY LIMITED EASEMENT (TYP.)

SLOPE INTERCEPT (TYP.)

WETLAND IMPACTS WITHIN
SITE 5A - 0.295 ACRES

N

STH 69

216+00 217+00 218+00 219+00 220+00 221+00 222+00

WETLAND IMPACTS WITHIN
SITE 1A - 0.643 ACRES

LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

WETLAND BOUNDARY

N

223+00 224+00 225+00 STH 69 226+00 227+00 228+00 229+00 230+00

PROPOSED RIGHT OF WAY (TYP.)

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 88	E

2

N

231+00 232+00 233+00 STH 69 234+00 235+00 236+00 237+00 238+00

LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

PROPOSED RIGHT OF WAY (TYP.)

STH 69

OLD STH 69

N

239+00 240+00 241+00 242+00 243+00 STH 69 244+00 245+00 246+00

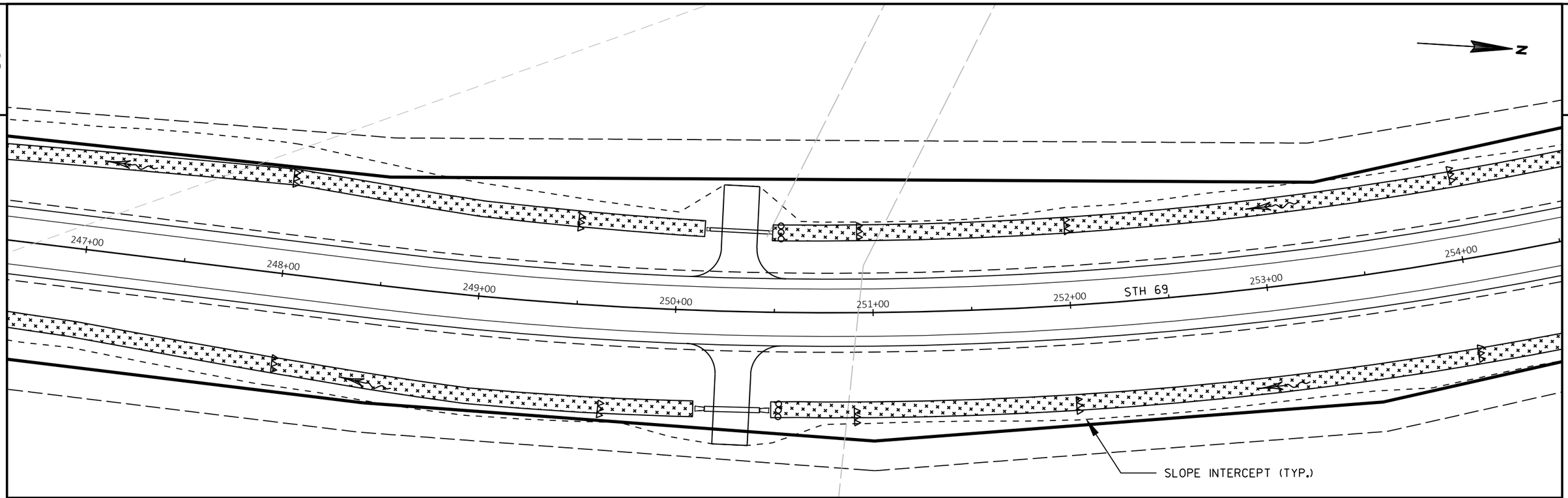
4' x 5' MEDIUM RIPRAP. 1.5' DEEP

TEMPORARY LIMITED EASEMENT (TYP.)

SLOPE INTERCEPT (TYP.)

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 89	E

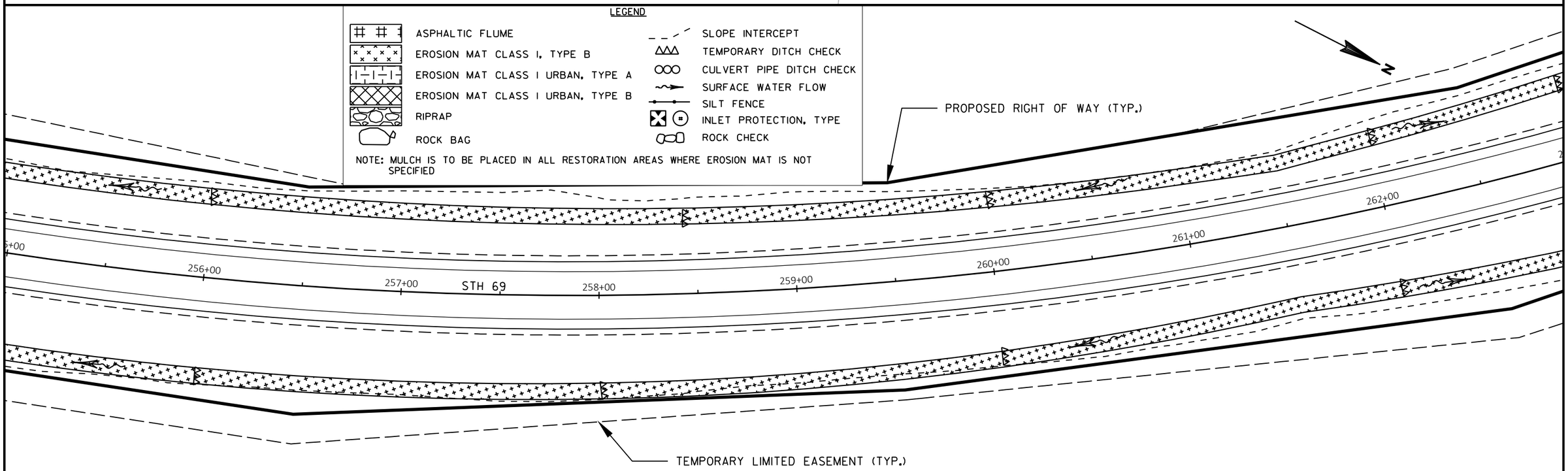
2



LEGEND

ASPHALTIC FLUME	SLOPE INTERCEPT
EROSION MAT CLASS I, TYPE B	TEMPORARY DITCH CHECK
EROSION MAT CLASS I URBAN, TYPE A	CULVERT PIPE DITCH CHECK
EROSION MAT CLASS I URBAN, TYPE B	SURFACE WATER FLOW
RIPRAP	SILT FENCE
ROCK BAG	INLET PROTECTION, TYPE
	ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED



PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 90	E

LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

PROPOSED RIGHT OF WAY (TYP.)

SLOPE INTERCEPT (TYP.)

WETLAND IMPACTS WITHIN SITE 6A - 0.408 ACRES

264+00 265+00 266+00 STH 69 267+00 268+00 269+00 270+00 271+00

WETLAND BOUNDARY

TEMPORARY LIMITED EASEMENT (TYP.)

272+00 273+00 274+00 275+00 STH 69 276+00 277+00 278+00 279+

6' x 6' MEDIUM RIPRAP. 1.5' DEEP

WETLAND IMPACTS WITHIN SITE 6B - 0.088 ACRES

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 91	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022016

PLOT DATE : 7/7/2021 12:51 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

N

WETLAND IMPACTS WITHIN SITE 7A - 0.461 ACRES

280+00 281+00 282+00 STH 69 283+00 284+00 285+00 286+00

WETLAND IMPACTS WITHIN SITE 7B - 0.023 ACRES

PROPOSED RIGHT OF WAY (TYP.)

WETLAND BOUNDARY

TEMPORARY LIMITED EASEMENT (TYP.)

SLOPE INTERCEPT (TYP.)

18' x 11' MEDIUM RIPRAP. 1.5' DEEP

CTH PB

WETLAND IMPACTS WITHIN SITE 7C - 0.045 ACRES

289+00 290+00 291+00 292+00 293+00 STH 69 294+00

WETLAND IMPACTS WITHIN SITE 7D - 0.061 ACRES

N

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 92	E

SLOPE INTERCEPT (TYP.)

PROPOSED TEMPORARY EASEMENT (TYP.)

2

2

295+00 296+00 297+00 298+00 STH 69 299+00 300+00 301+00 302+00

STH 69

LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

PROPOSED RIGHT OF WAY (TYP.)

WETLAND IMPACTS WITHIN SITE 8A - 0.105 ACRES

303+00 304+00 305+00 306+00 STH 69 307+00 308+00 309+00 310+00

STH 69

N

N

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 93	E

2

WETLAND IMPACTS WITHIN SITE 8B - 0.207 ACRES

18' x 22' MEDIUM RIPRAP. 1.5' DEEP

311+00 312+00 313+00 314+00 315+00 316+00 317+00 318+00 STH 69

WETLAND IMPACTS WITHIN SITE 8C - 0.177 ACRES

TEMPORARY LIMITED EASEMENT (TYP.)

LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

6' x 6' MEDIUM RIPRAP. 1.5' DEEP

WETLAND BOUNDARY

HIMSEL RD

319+00 320+00 321+00 322+00 323+00 324+00 325+00 326+00 STH 69

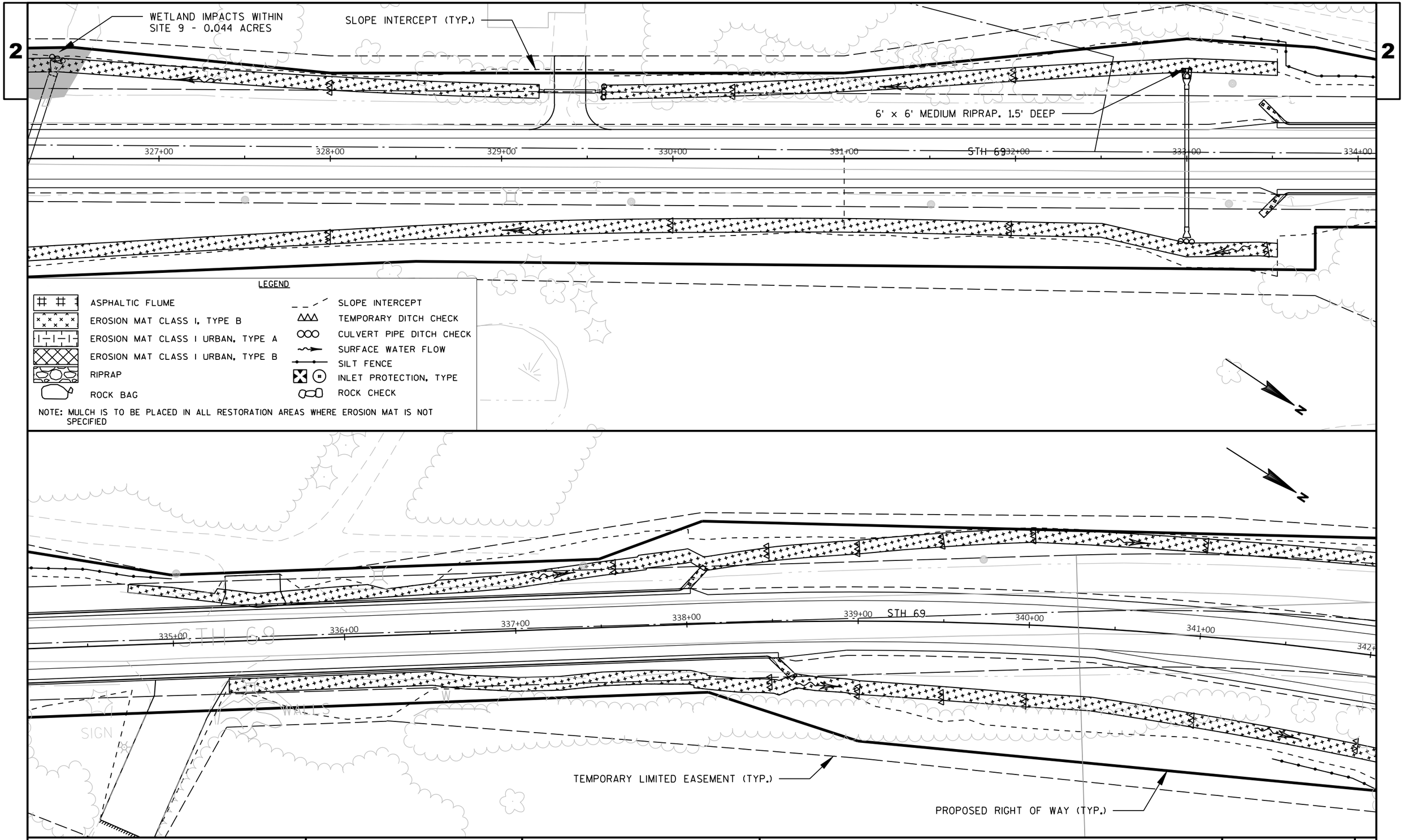
9' x 8' MEDIUM RIPRAP. 1.5' DEEP

PROPOSED RIGHT OF WAY (TYP.)

SLOPE INTERCEPT (TYP.)

9' x 8' MEDIUM RIPRAP. 1.5' DEEP

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 94	E



PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 95	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022020

PLOT DATE : 7/7/2021 12:53 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WETLAND BOUNDARY

WETLAND IMPACTS WITHIN SITE 10B - 0.264 ACRES

PROPOSED RIGHT OF WAY (TYP.)

SCHALLER RD

STH 69

49+00

343+00

344+00

345+00

346+00

347+00

348+00

349+00

SLOPE INTERCEPT (TYP.)

WETLAND IMPACTS WITHIN SITE 10A - 0.024 ACRES

LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

350+00

351+00

352+00

353+00

STH 69

354+00

355+00

356+00

357+00

TEMPORARY LIMITED EASEMENT (TYP.)

WETLAND IMPACTS WITHIN SITE 11A - 0.003 ACRES

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 96	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022021

PLOT DATE : 7/7/2021 12:53 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

WETLAND IMPACTS WITHIN SITE 11C - 0.086 ACRES

WETLAND BOUNDARY

WETLAND IMPACTS WITHIN SITE 11B - 0.755 ACRES

358+00 359+00 360+00 361+00 STH 69 362+00 363+00 364+00 365+00

WETLAND IMPACTS WITHIN SITE 11E - 0.001 ACRES

WETLAND IMPACTS WITHIN SITE 11D - 0.001 ACRES

TEMPORARY LIMITED EASEMENT (TYP.)

366+00 367+00 368+00 STH 69 369+00 370+00 371+00 372+00 373+00

PROPOSED RIGHT OF WAY (TYP.)

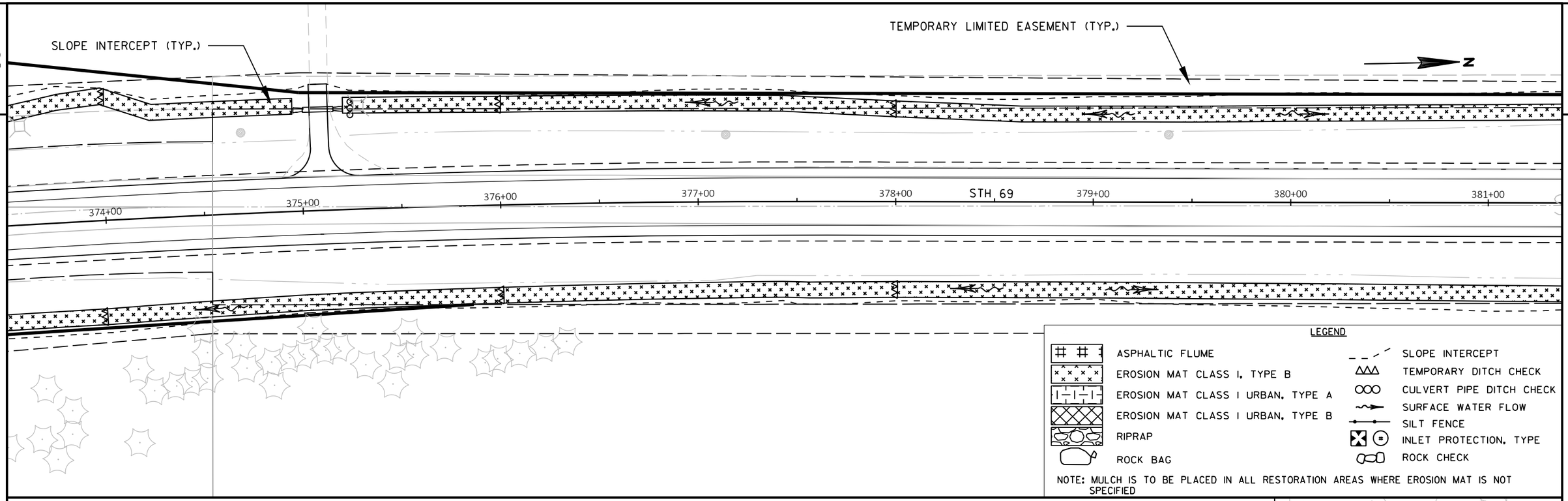
SLOPE INTERCEPT (TYP.)

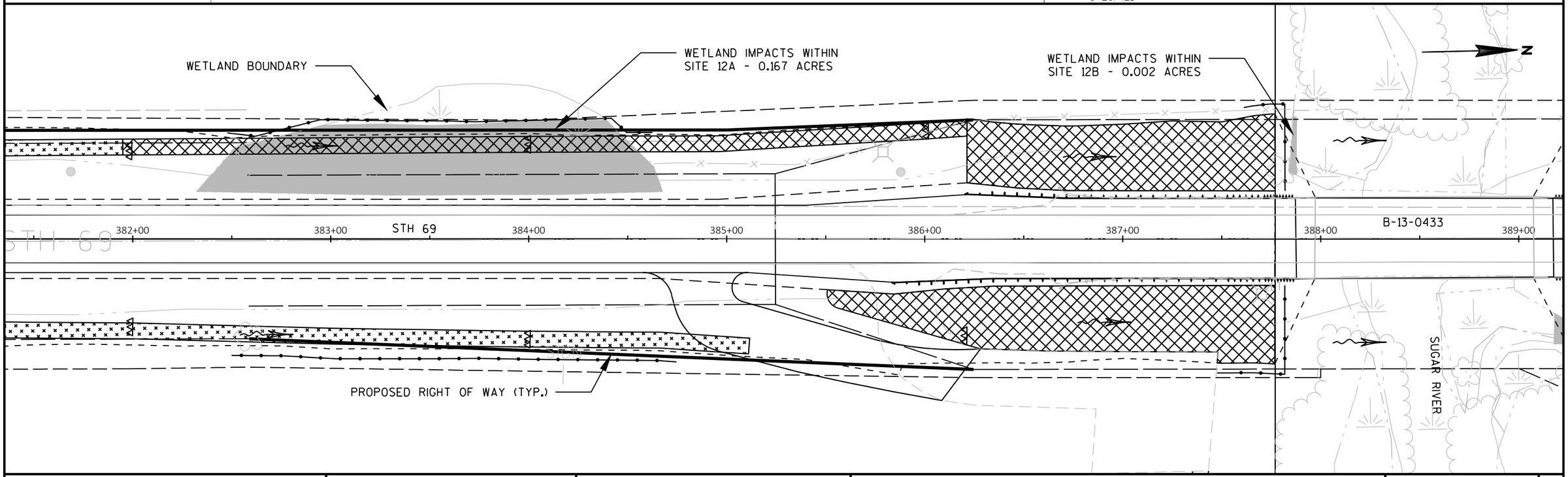
LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 97	E





PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 98	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022023

PLOT DATE : 7/7/2021 12:54 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

SLOPE INTERCEPT (TYP.)

WETLAND IMPACTS WITHIN SITE 12E - 0.077 ACRES

WETLAND BOUNDARY

390+00 391+00 392+00 393+00 394+00 STH 69 395+00 396+00 397+00

21' x 12' HEAVY RIPRAP, 1.5' DEEP

SUNSET DR

51+00

WETLAND IMPACTS WITHIN SITE 12C - 0.015 ACRES

WETLAND IMPACTS WITHIN SITE 12D - 0.193 ACRES

LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

TEMPORARY LIMITED EASEMENT (TYP.)

398+00 399+00 400+00 STH 69 401+00 402+00 403+00 404+00 405

LOCUST DR

51+00

WETLAND IMPACTS WITHIN SITE 12F - 0.047 ACRES

PROPOSED RIGHT OF WAY (TYP.)

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 99	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022024

PLOT DATE : 7/7/2021 12:55 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

PROPOSED RIGHT OF WAY (TYP.)

STH 69

406+00 407+00 408+00 409+00 410+00 411+00 412+00

SLOPE INTERCEPT (TYP.)

LEGEND

ASPHALTIC FLUME	SLOPE INTERCEPT
EROSION MAT CLASS I, TYPE B	TEMPORARY DITCH CHECK
EROSION MAT CLASS I URBAN, TYPE A	CULVERT PIPE DITCH CHECK
EROSION MAT CLASS I URBAN, TYPE B	SURFACE WATER FLOW
RIPRAP	SILT FENCE
ROCK BAG	INLET PROTECTION, TYPE
	ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

413+00 414+00 415+00 416+00 STH 69 417+00 418+00 419+00 420+00

9' x 8' MEDIUM RIPRAP. 1.5' DEEP

TEMPORARY LIMITED EASEMENT (TYP.)

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 100	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022025

PLOT DATE : 7/7/2021 12:55 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

PROPOSED RIGHT OF WAY (TYP.)

RIVERSIDE RD

STH 69

421+00 422+00 423+00 424+00 425+00 426+00 427+00 428+00

LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

BERM

429+00 430+00 431+00 432+00 433+00 434+00 435+00 436+00

STH 69

SLOPE INTERCEPT (TYP.)

TEMPORARY LIMITED EASEMENT (TYP.)

BERM

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 101	E

2

2

TEMPORARY LIMITED EASEMENT (TYP.)

PROPOSED R/W (TYP.)

N

437+00 438+00 439+00 STH 69 440+00 441+00 442+00 443+00 444+00

STH 69

MANHATTAN DR

51+00

SLOPE INTERCEPT (TYP.)

BERM

BADGER MILL CREEK

WETLAND IMPACTS WITHIN
SITE 13A - 0.005 ACRES

WETLAND IMPACTS WITHIN
SITE 13B - 0.004 ACRES

WETLAND IMPACTS WITHIN
SITE 13C - 0.025 ACRES

N

445+00 446+00 STH 69 447+00 448+00 449+00 450+00 451+00 452+00

STH 69

B-13-0365

LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

WETLAND IMPACTS WITHIN
SITE 13D - 0.003 ACRES

WETLAND IMPACTS WITHIN
SITE 13E - 0.024 ACRES

WETLAND BOUNDARY

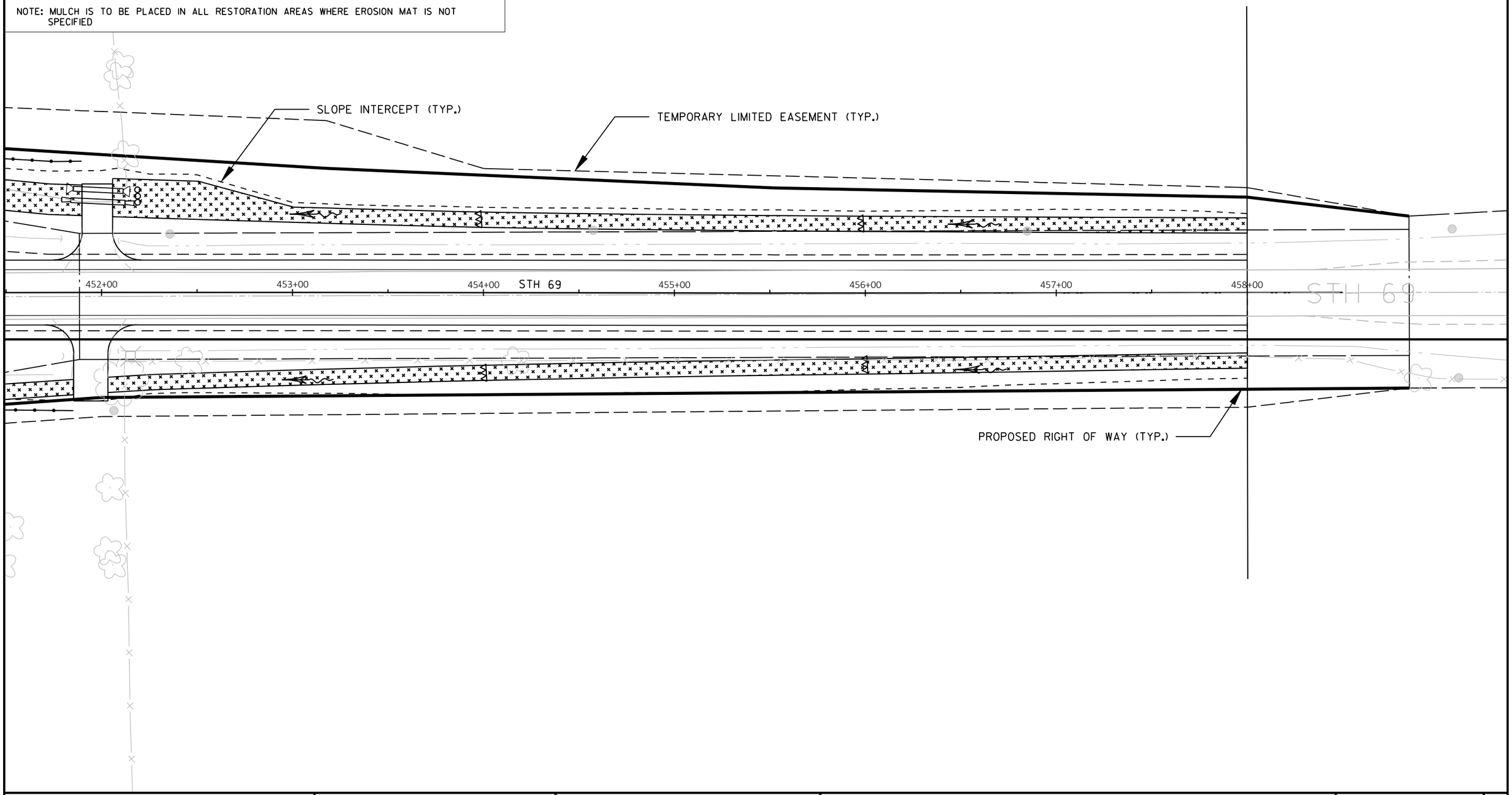
PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 102	E

2

LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

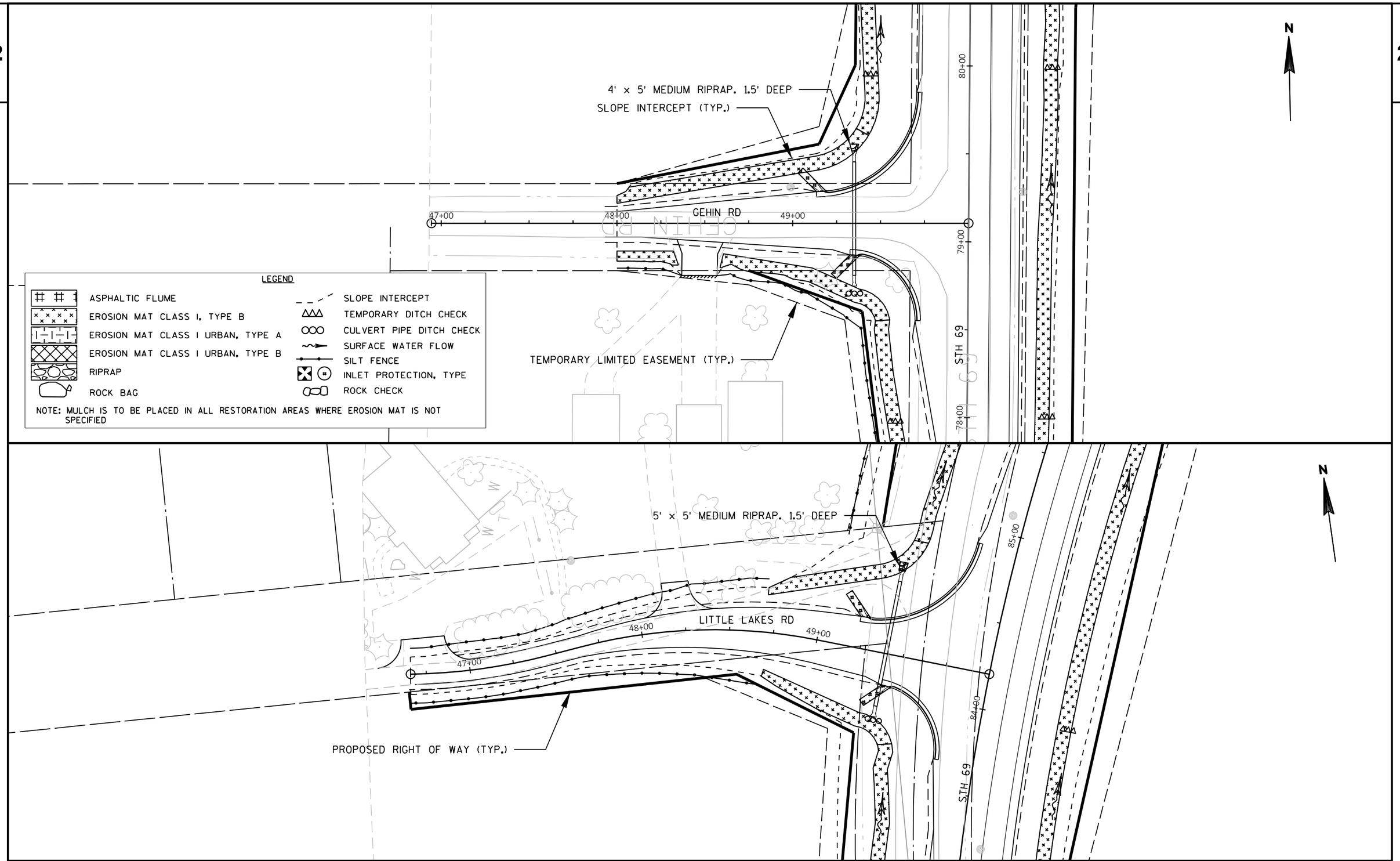
NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED



2

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 103	E

2



PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 104	E

2

N

MOREHEAD DR

MOREHEAD RD

00+66

98+00

STH 69

97+00

PROPOSED RIGHT OF WAY (TYP.)

TEMPORARY LIMITED EASEMENT (TYP.)

WETLAND IMPACTS WITHIN
SITE 1D - 0.066 ACRES

WETLAND IMPACTS WITHIN
SITE 1C - 0.032 ACRES

N

6' x 6' MEDIUM RIPRAP. 1.5' DEEP

SLOPE INTERCEPT (TYP.)

36+00

37+00

38+00

39+00

40+00

41+00

42+00

43+00

FRENCHTOWN RD

SEPC

SEPV

LEGEND

ASPHALTIC FLUME	SLOPE INTERCEPT
EROSION MAT CLASS I, TYPE B	TEMPORARY DITCH CHECK
EROSION MAT CLASS I URBAN, TYPE A	CULVERT PIPE DITCH CHECK
EROSION MAT CLASS I URBAN, TYPE B	SURFACE WATER FLOW
RIPRAP	SILT FENCE
ROCK BAG	INLET PROTECTION, TYPE
	ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 105	E

2

6' x 6' MEDIUM RIPRAP. 1.5' DEEP

PROPOSED RIGHT OF WAY (TYP.)

FRENCHTOWN RD

STH 69

43+00 44+00 45+00 46+00 47+00 48+00 49+00 50+00 51+00

138+00 139+00 140+00 141+00

6' x 6' MEDIUM RIPRAP. 1.5' DEEP

14' x 6' MEDIUM RIPRAP. 1.5' DEEP

6' x 6' MEDIUM RIPRAP. 1.5' DEEP

TEMPORARY LIMITED EASEMENT (TYP.)

SLOPE INTERCEPT (TYP.)

50+00 51+00 52+00 53+00 54+00 55+00 56+00

14' x 6' MEDIUM RIPRAP. 1.5' DEEP

N

LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022031

PLOT DATE : 7/7/2021 12:58 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 44

2

N

6' x 6' MEDIUM RIPRAP. 1.5' DEEP

SIGN

CTH A

CTH A WEST

45+00

46+00

47+00

48+00

49+00

168+00

169+00

PROPOSED RIGHT OF WAY (TYP.)

TEMPORARY LIMITED EASEMENT (TYP.)

STH 69

167+00

STH 69

164+00

N

WETLAND IMPACTS WITHIN SITE 3G - 0.024 ACRES

CTH A EAST

51+00

52+00

53+00

54+00

55+00

56+00

57+00

SLOPE INTERCEPT (TYP.)

WETLAND IMPACTS WITHIN SITE 3H - 0.038 ACRES

WETLAND IMPACTS WITHIN SITE 3B - 0.409 ACRES

LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 107	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022032

PLOT DATE : 7/7/2021 12:58 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

N

SLOPE INTERCEPT (TYP.)

TEMPORARY LIMITED EASEMENT (TYP.)

PROPOSED RIGHT OF WAY (TYP.)

HENRY RD

51+00

52+00

53+00

214+00

215+00

690HLS

6' x 6' MEDIUM RIPRAP. 1.5' DEEP

6' x 14' MEDIUM RIPRAP. 1.5' DEEP

WETLAND IMPACTS WITHIN
SITE 6C - 0.018 ACRES

WETLAND IMPACTS WITHIN
SITE 6D - 0.006 ACRES

STH 69

274+00

DIANE AVE

51+00

52+00

53+00

54+00

55+00

56+00

57+00

N

LEGEND

ASPHALTIC FLUME	SLOPE INTERCEPT
EROSION MAT CLASS I, TYPE B	TEMPORARY DITCH CHECK
EROSION MAT CLASS I URBAN, TYPE A	CULVERT PIPE DITCH CHECK
EROSION MAT CLASS I URBAN, TYPE B	SURFACE WATER FLOW
RIPRAP	SILT FENCE
ROCK BAG	INLET PROTECTION, TYPE
	ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 108	E

2

RUINS

SIGN

OLD STH 69

STH 69

LEGEND

ASPHALTIC FLUME	SLOPE INTERCEPT
EROSION MAT CLASS I, TYPE B	TEMPORARY DITCH CHECK
EROSION MAT CLASS I URBAN, TYPE A	CULVERT PIPE DITCH CHECK
EROSION MAT CLASS I URBAN, TYPE B	SURFACE WATER FLOW
RIPRAP	SILT FENCE
ROCK BAG	INLET PROTECTION, TYPE
	ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

WETLAND IMPACT WITHIN
SITE 6A - 0.408 ACRES

271+00

PROPOSED RIGHT OF WAY (TYP.)

WETLAND IMPACT WITHIN
SITE 7C - 0.045 ACRES

100+00

101+00

CTH PB

102+00

103+00

103+00

104+00

104+00

105+00

105+00

106+00

106+00

SLOPE INTERCEPT (TYP.)

TEMPORARY LIMITED EASEMENT (TYP.)

WETLAND IMPACT WITHIN
SITE 7A - 0.461 ACRES

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 109	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022035

PLOT DATE : 7/7/2021 12:59 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : **********

2

2

WETLAND IMPACT WITHIN
SITE 7C - 0.045 ACRES

WETLAND IMPACTS WITHIN
SITE 7A - 0.461 ACRES

4162 SF MEDIUM RIPRAP, 2' DEEP.
COVER DITCH BOTTOM AND
BACKSLOPE UP TO ELEV. 898.00

PROPOSED RIGHT
OF WAY (TYP.)

SLOPE INTERCEPT (TYP.)

PAOLI RD

TEMPORARY LIMITED EASEMENT (TYP.)

WETLAND IMPACTS WITHIN
SITE 8A - 0.105 ACRES

STH 69

CTH PB

N

LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 110	E

2

TEMPORARY LIMITED EASEMENT (TYP.)

SLOPE INTERCEPT (TYP.)

6' x 6' MEDIUM RIPRAP. 1.5' DEEP

N

PAOLI RD

306+00

305+00

STH 69

304+00

303+00

302+00

6' x 6' MEDIUM RIPRAP. 1.5' DEEP

LEGEND

ASPHALTIC FLUME	SLOPE INTERCEPT
EROSION MAT CLASS I, TYPE B	TEMPORARY DITCH CHECK
EROSION MAT CLASS I URBAN, TYPE A	CULVERT PIPE DITCH CHECK
EROSION MAT CLASS I URBAN, TYPE B	SURFACE WATER FLOW
RIPRAP	SILT FENCE
ROCK BAG	INLET PROTECTION, TYPE
	ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

6' x 6' MEDIUM RIPRAP. 1.5' DEEP

HIMSEL RD

319+00

318+00

STH 69

48+00

47+00

49+00

HIMSEL RD

PROPOSED RIGHT OF WAY (TYP.)

SEPV

SEPTIC

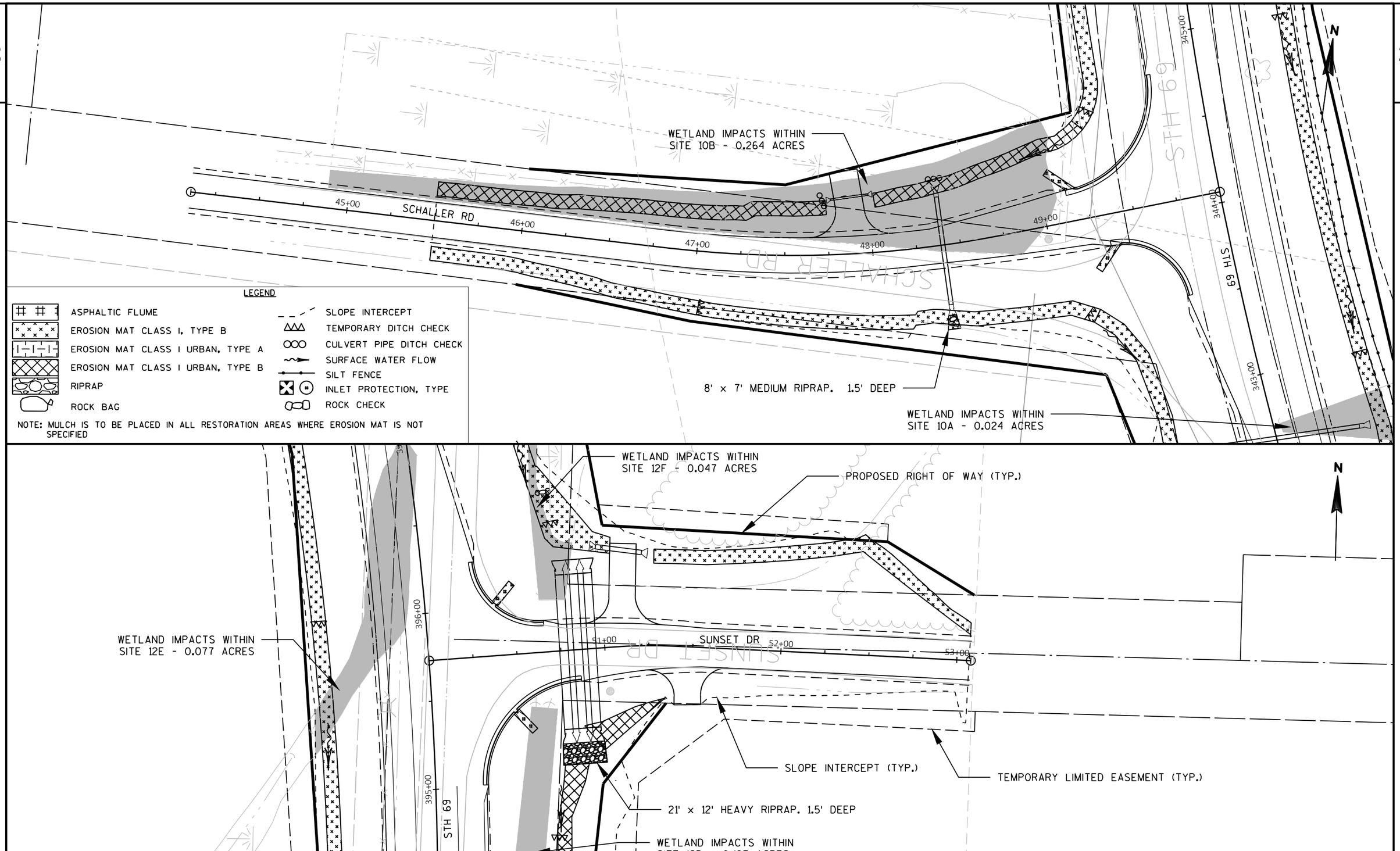
SEPV

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022037

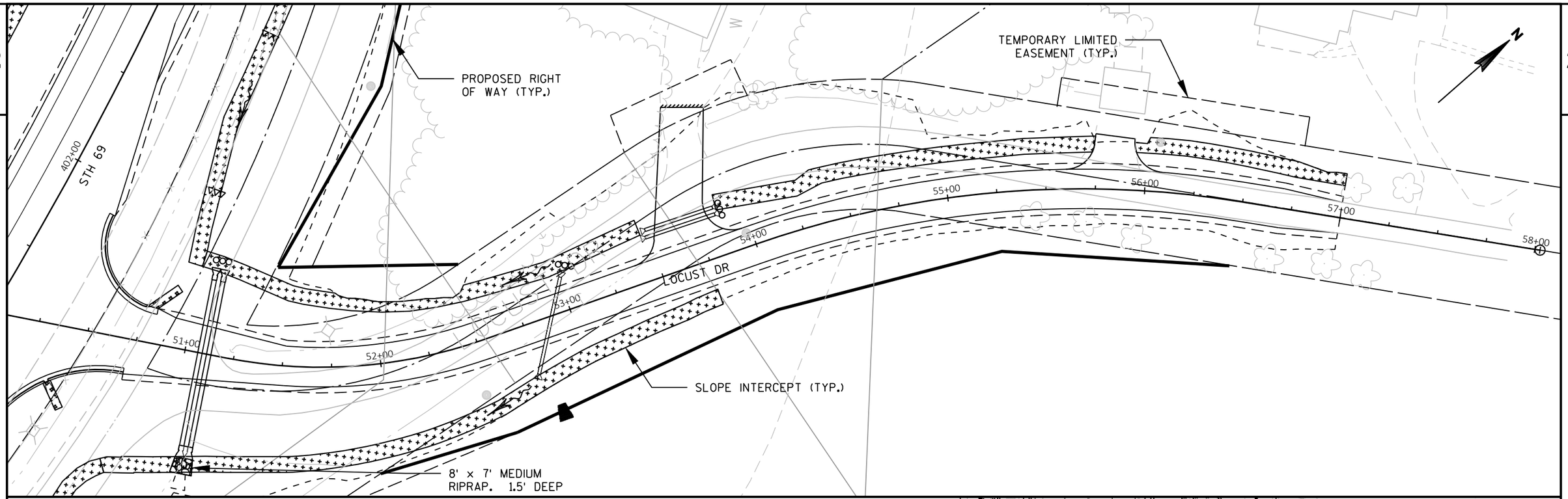
PLOT DATE : 7/7/2021 1:00 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 112	E

2



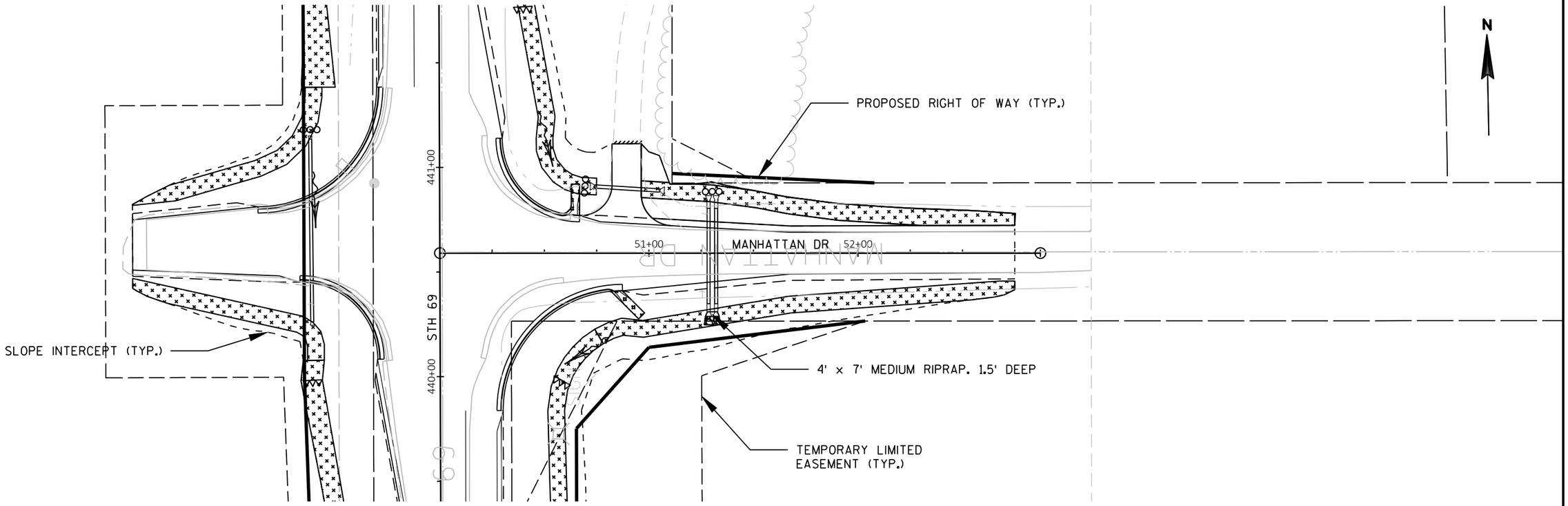
LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 113	E

2



LEGEND

- ASPHALTIC FLUME
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I URBAN, TYPE A
- EROSION MAT CLASS I URBAN, TYPE B
- RIPRAP
- ROCK BAG
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE
- INLET PROTECTION, TYPE
- ROCK CHECK

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	EROSION CONTROL	SHEET 114	E

2

2

N

13 STA 109+22.41, 20.5' RT
INLETS 2x3-H-S

14 STA 109+15.51, 18.6' LT
INLETS 4-H-S

109+00

CTH PB

16 STA 108+56.03, 9.0' RT
INLETS 2x3-H

15 STA 108+54.68, 1.5' RT
INLETS 4-H

SLOPE INTERCEPT (TYP)

21 STA 291+40.23, 1.5' LT
INLETS 2x3-HM-S

108+00

STH 69

291+00

290+00

289+00

288+00

22 STA 291+40.23, 22.9' LT
INLETS 2x3-HM-S

287+00

19 STA 286+72.69, 18.0' LT
INLETS 2x3-H-S

MATCHLINE STA. 286+00

STH 69

23 STA 291+41.32, 56.5' LT
APRON ENDWALLS FOR CPRC 15-INCH

107+00

17 STA 287+01.85, 11.5' LT
INLETS 4-T

18 STA 287+00.29, 21.5' LT
INLETS 4-T

20 STA 286+50.63, 80.8' LT
APRON ENDWALLS FOR CPRC 18-INCH

CTH PB

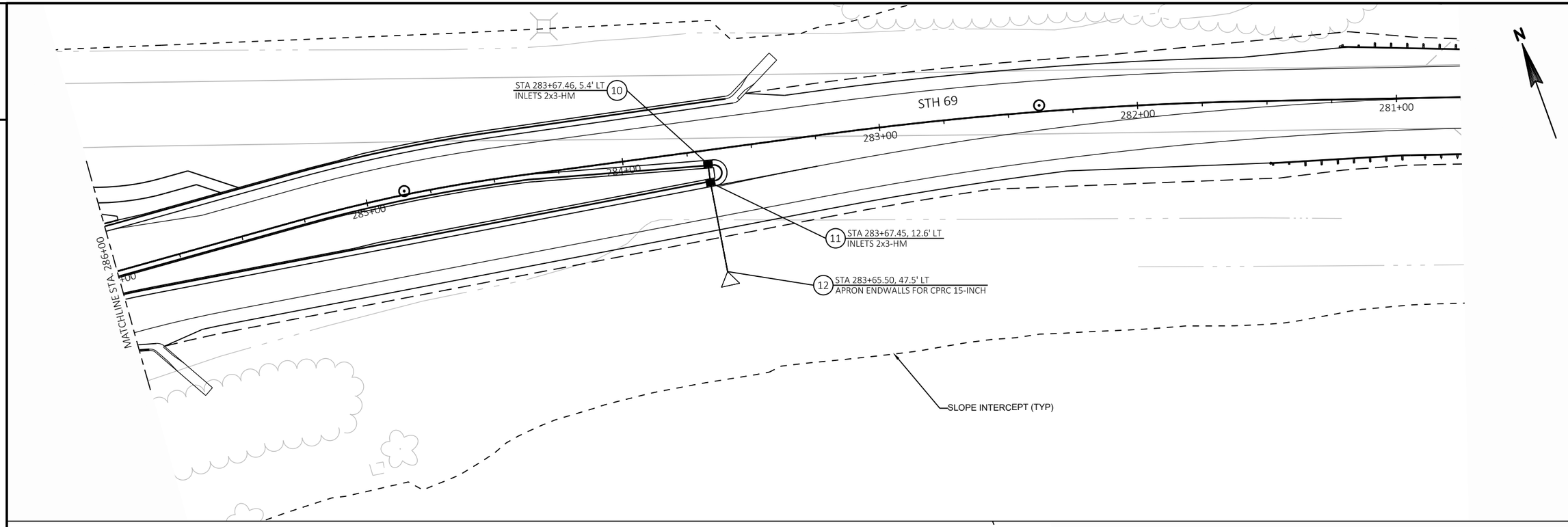
106+00

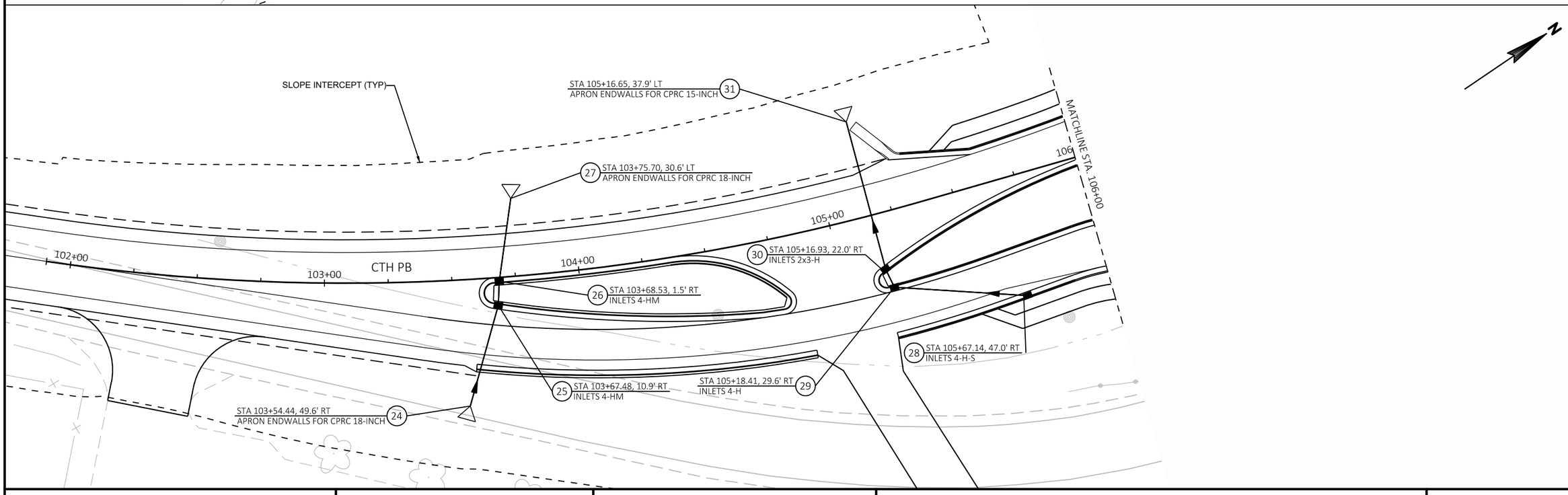
MATCHLINE STA.106+00

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	STORM SEWER PLANS	SHEET	E

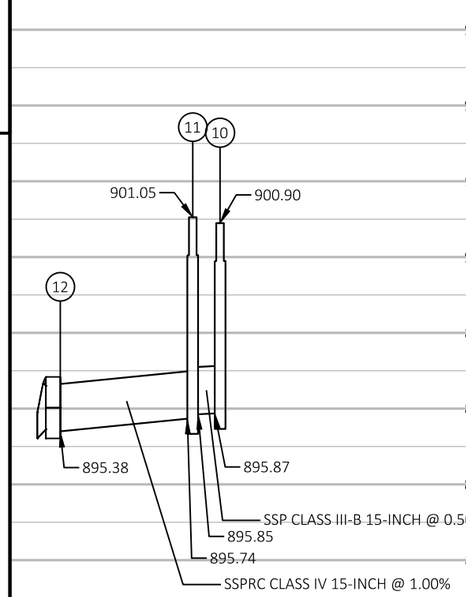
FILE NAME : X:\MD\2015\20155069\CAD\TRANSPORTATION\DWG\SHEETSPLAN\022502_SS.DWG
LAYOUT NAME - 022501_ss
PLOT DATE : 3/16/2021 9:17 AM
PLOT BY : ROGAHN, DOUG
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

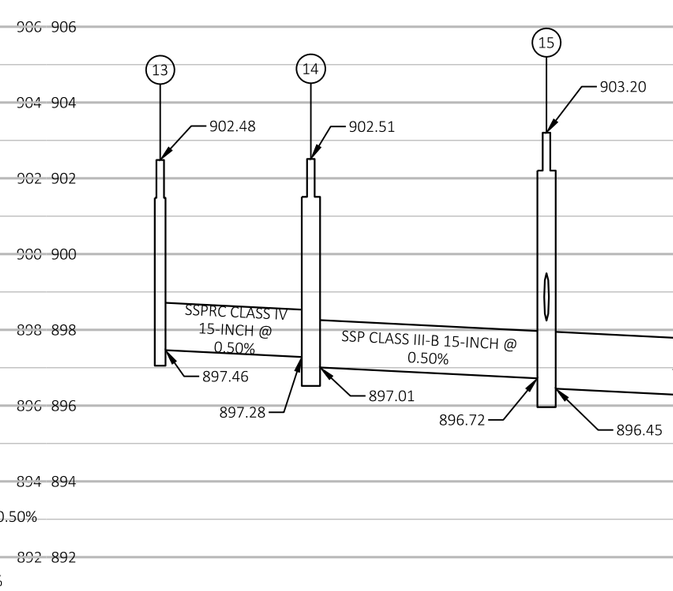
2

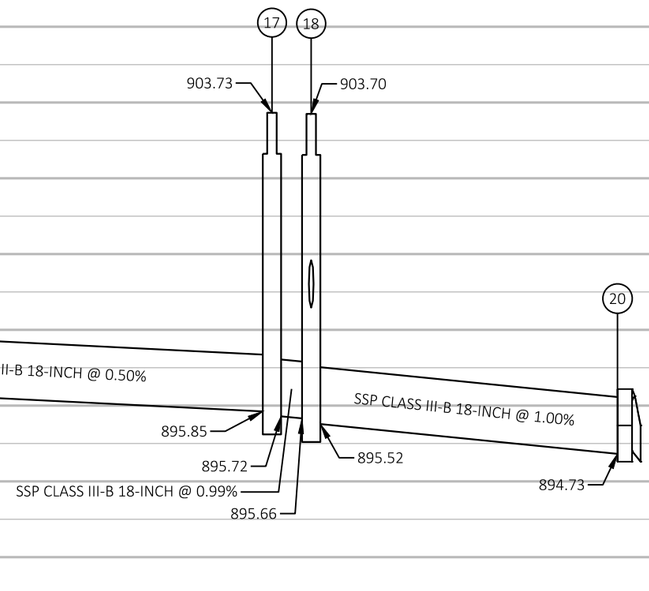


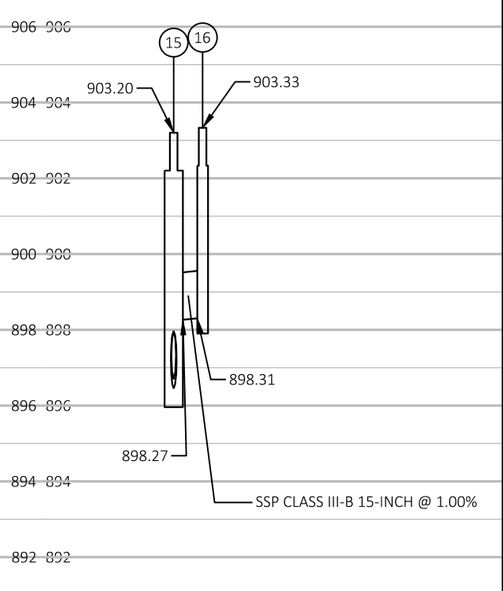


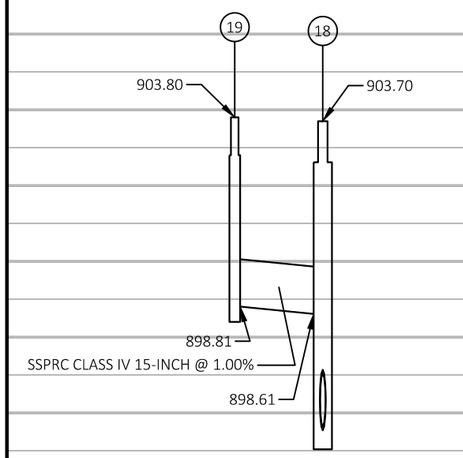
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	STORM SEWER PLANS	SHEET 116	E

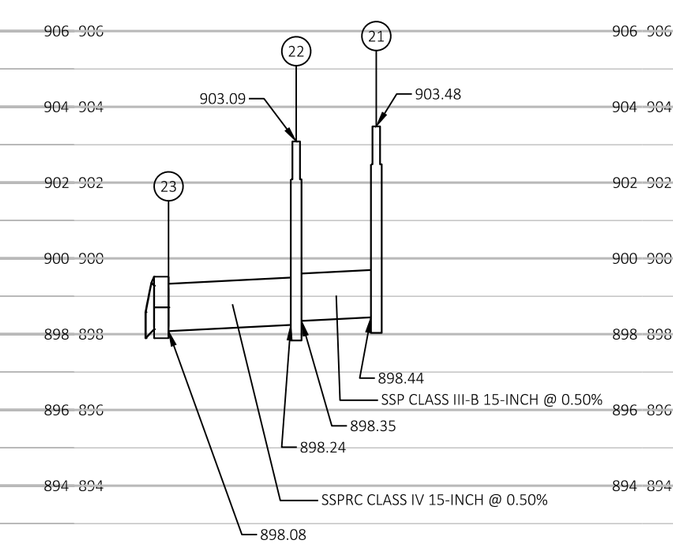


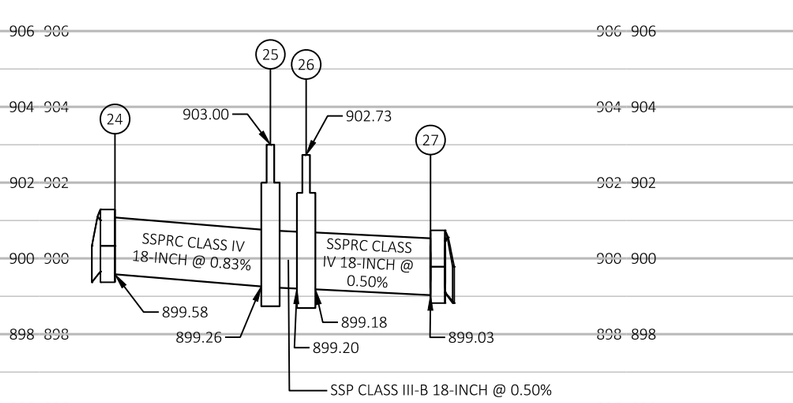


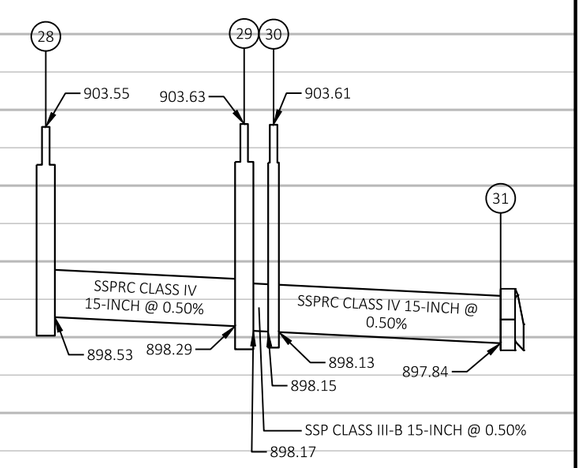












PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	STORM SEWER PLANS	SHEET 117	E

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

R01-01 JCT COUNTY D REMOVE

R01-02 STOP REMOVE

R01-03 SPEED LIMIT 30 REMOVE

R01-04 SPEED LIMIT 30 REMOVE

R01-05 REMOVE

R01-06 NORTH 69 VERONA 10 MADISON 20 REMOVE

R01-07 REMOVE

R01-08 STOP REMOVE

R01-09 AHEAD REMOVE (SIGNS ONLY)

R01-10 REMOVE

R01-11 STOP REMOVE

R01-12 STOP REMOVE

R01-13 REMOVE

R01-14 SPEED LIMIT 45 REMOVE

R01-15 SPEED LIMIT 30 REMOVE

R01-16 STOP REMOVE

R01-17 SPEED LIMIT 30 REMOVE

R01-18 SPEED LIMIT 45 NO PASSING ZONE REMOVE

R01-19 STOP REMOVE

R01-20 REMOVE

R01-21 REMOVE

STORM READY COMM. MOVE BY OTHERS

RIPRAP

FEDERAL AVE

FEDERAL AVE RIVER ST ESTR

5TH AVE

5TH AVE RIVER ST ESTR

NORTH SHORE DR RIVER ST ESTR

KARL AVE RIVER ST REMOVE BY OTHERS

Blaser Park REMOVE BY OTHERS

GREENWAY CROSS CT RIVER ST ESTR

N SHORE DR

KARL AVE

GREENWAY CROSS CT

STH 69

DANE ST

CEMETERY

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	SIGN REMOVALS	SHEET 118	E

2

R02-01 AHEAD REMOVE (SIGNS ONLY)

R02-02 SPEED LIMIT 45 REMOVE

R02-03 SPEED LIMIT 45 REMOVE

R02-04 STOP REMOVE

BOWLAVARD AVE

BOWLAVARD AVE RIVER ST ESTR

R02-05 SPEED LIMIT 45 REMOVE

SOLVENTS BY POINT ONLY DARE

REMOVE BY OTHERS

R02-06 BELLEVILLE POPULATION 2,385 REMOVE

TRAFFIC MUST YIELD PEDS. IN X-WALK

REMOVE BY OTHERS

R02-07 STOP REMOVE

RICHARD ST RIVER ST

REMOVE BY OTHERS

RICHARD ST

NO PASSING ZONE

R02-08 SPEED LIMIT 45 REMOVE

R02-09 SPEED LIMIT 55 REMOVE

STH 69

60 65 70

RUINS

R02-10 50 M.P.H. REMOVE

R02-11 STOP REMOVE

R02-12 DEAD END REMOVE

R02-13 SPEED LIMIT 45 REMOVE

GEHIN RD REMOVE BY OTHERS

GEHIN RD

LITTLE LAKES RD REMOVE BY OTHERS

LITTLE LAKES RD

POOL WALLS

45 HOUR PARKING REGULATIONS ENFORCED REMOVE BY OTHERS

NO ENGINE BRAKING EXCEPT IN EMERGENCY REMOVE BY OTHERS

ALTERNATE SIDE PARKING REGULATION IN EFFECT REMOVE BY OTHERS

A/C

75 80 85

N

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	SIGN REMOVALS	SHEET 119 E

2

R03-01
REMOVE

R03-02
STOP
REMOVE

R03-03
SPEED LIMIT 35
REMOVE

R03-04
REMOVE

R03-05
REMOVE

69

90

95

100

STH 69

FOOTBRIDGE

FOOTBRIDGE

MOREHEAD RD

WALLS

JT Enterprises Sign
REMOVE BY OTHERS

R03-06
50 M.P.H.
REMOVE

105

110

115

STH 69

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	SIGN REMOVALS	SHEET 120	E

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

N

R04-04 REMOVE

R04-03 SPEED LIMIT 35 REMOVE

R04-01 NO PASSING ZONE REMOVE

R04-02 REMOVE

FRENCHTOWN RD

STH 69

120 125 130 135 140 145 150

R04-05 STOP REMOVE

FRENCHTOWN RD REMOVE BY OTHERS

R04-06 STOP REMOVE

R04-07 STOP REMOVE

R04-12 REMOVE

R04-10 REMOVE

R04-11 REMOVE

REMOVE BY OTHERS 5 MISC. BIKE PATH SIGNS

R04-08 REMOVE

SPEED LIMIT 45 REMOVE R04-09

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	SIGN REMOVALS	SHEET 121	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-PS - 04

PLOT DATE : 4/15/2021 1:46 PM PLOT BY : BOB WILSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

R05-01 NO PASSING ZONE REMOVE

R05-03 SOUTH 69 REMOVE

R05-02 JCT COUNTY A REMOVE

R05-15 COUNTY A 45 REMOVE

R05-04 STOP 69 REMOVE REMOVE

SUGAR RIVER WATERSHED REMOVE BY OTHERS

R05-06 COUNTY A REMOVE 45 TON BRIDGE 0.6 MILES AHEAD REMOVE BY OTHERS

R05-09 COUNTY A REMOVE

R05-12 COUNTY A REMOVE

R05-07 COUNTY A REMOVE

R05-08 REMOVE

R05-10 REMOVE

R05-11 COUNTY A REMOVE

CTH A

STH 69

155 160 165 170 175 180

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	SIGN REMOVALS	SHEET 122	E

2

N

R06-01 COUNTY A REMOVE

R06-02 REMOVE

R06-03 COUNTY A REMOVE

R06-08 REMOVE

R06-09 NO PASSING ZONE REMOVE

R06-11 JCT COUNTY A REMOVE

185 190 195

STH 69

CTH A

COUNTY A REMOVE R06-04

STOP REMOVE R06-05

COUNTY A 69 REMOVE R06-06

NORTH 69 REMOVE R06-07

5 MISC. BIKE PATH SIGNS REMOVE BY OTHERS

WALLS

NO PASSING ZONE REMOVE R06-10

N

200 205 210

STH 69

R06-13 REMOVE

BASCO UNINCORPORATED REMOVE R06-12

POST NO SIGN R06-14

DOT'S TAVERN REMOVE BY OTHERS

R06-15 SPEED LIMIT 25 SLOW CHILDREN REMOVE

SEPTIC

SEPV & SEPC

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	SIGN REMOVALS	SHEET 123	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-PS - 06

PLOT DATE : 4/15/2021 1:46 PM PLOT BY : BOB WILSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

N

R07-03
BASCO
UNINCORPORATED
REMOVE

R07-04
REMOVE

SIGN
SEPC
SEPV

STH 69
215
220
225

FLAG
HENRY RD
REMOVE BY OTHERS
STOP
REMOVE
R07-01

REMOVE
R07-02

N

R07-06
REMOVE

STH 69
230
235
240
245

R07-05
45 M.P.H.
REMOVE

OLD HWY 69

REMOVE
R07-07

REMOVE
R07-08

REMOVE
R07-09

REMOVE
R07-10

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	SIGN REMOVALS	SHEET 124	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-PS - 07

PLOT DATE : 4/15/2021 1:46 PM PLOT BY : BOB WILSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

2

2

STH 69

OLD HWY 69

STH 69

R08-01 45 M.P.H. REMOVE

R08-02 NO PASSING ZONE REMOVE

SEPV

SEPV

R08-03 JCT COUNTY PB REMOVE

R08-04 NO PASSING ZONE REMOVE

R08-05 REMOVE

OLD HWY 69

R08-06 COUNTY PB REMOVE

R08-07 REMOVE

R08-08 SPEED LIMIT 35 REMOVE

R08-09 REMOVE

R08-10 STOP REMOVE

R08-11 REMOVE

R08-12 STOP REMOVE

R08-13 69 REMOVE

R08-14 COUNTY PB REMOVE

R08-15 REMOVE

R08-16 PAOLI UNINCORPORATED REMOVE

R08-17 REMOVE

R08-18 STOP REMOVE

R08-19 JCT 69 REMOVE

R08-20 STOP AHEAD REMOVE

SUN VALLEY PKWY REMOVE BY OTHERS

STH 69

DIANNE AVE

265

270

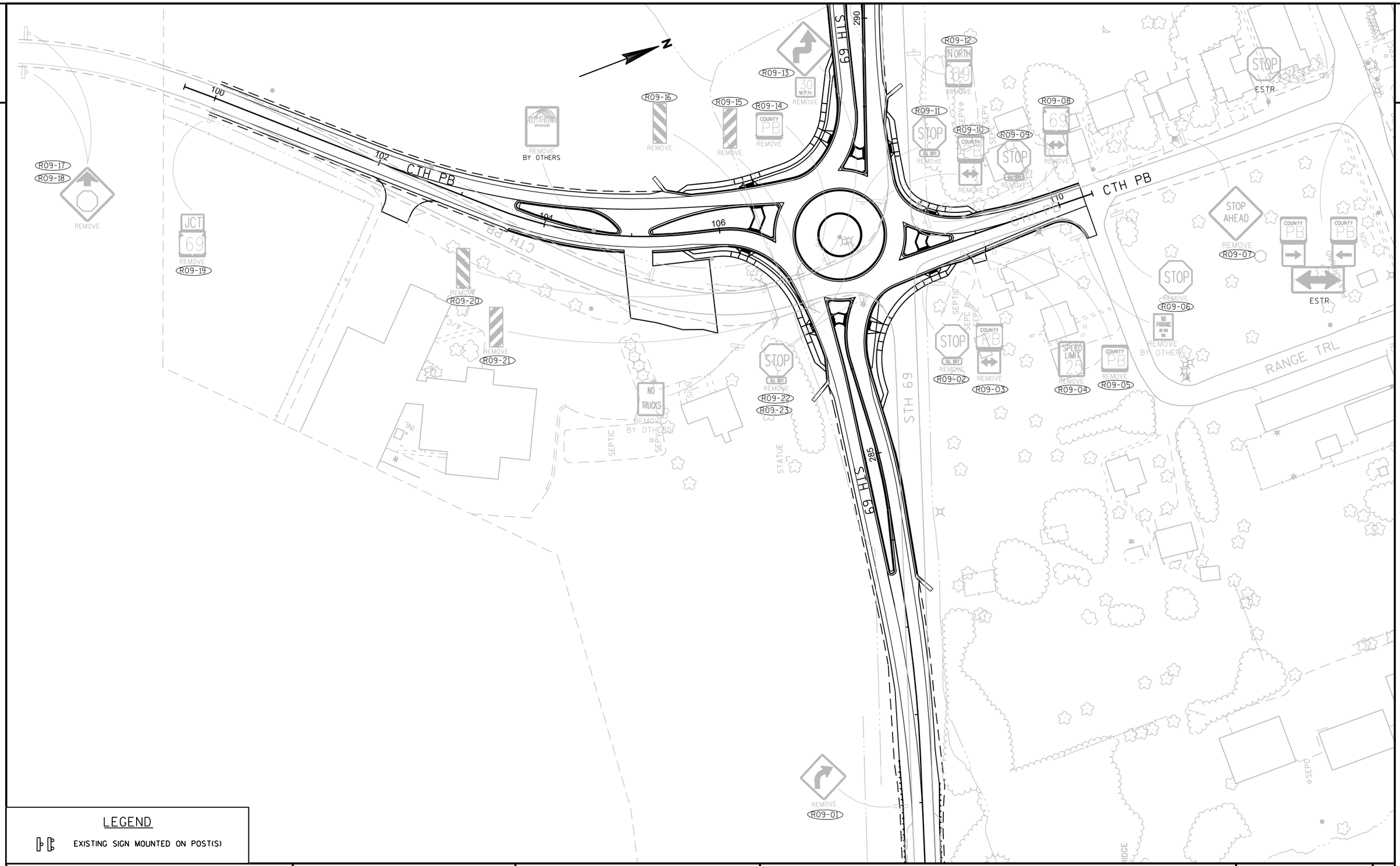
275

52

54

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	SIGN REMOVALS	SHEET 125	E

2



LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	SIGN REMOVALS	SHEET 126	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 09
PLOT DATE : 4/15/2021 1:46 PM
PLOT BY : BOB WILSON
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

2

2

R10-01 NO PASSING ZONE REMOVE

R10-02 PAOLI UNINCORPORATED REMOVE

R10-03 JCT COUNTY PB REMOVE

R10-04 STOP AHEAD REMOVE

R10-05 STOP AHEAD REMOVE

R10-06 NO PASSING ZONE REMOVE

R10-07 STOP REMOVE

R10-08 REMOVE

R10-09 STOP REMOVE

REMOVE BY OTHERS PAOLI RD

R10-10 REMOVE

R10-11 35 M.P.H. REMOVE

R10-12 STOP AHEAD REMOVE

R10-13 STOP REMOVE

REMOVE BY OTHERS HIMSEL RD

STH 69

PAOLI RD

HIMSEL RD

295 300 305 310 315 320

N

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	SIGN REMOVALS	SHEET 127	E

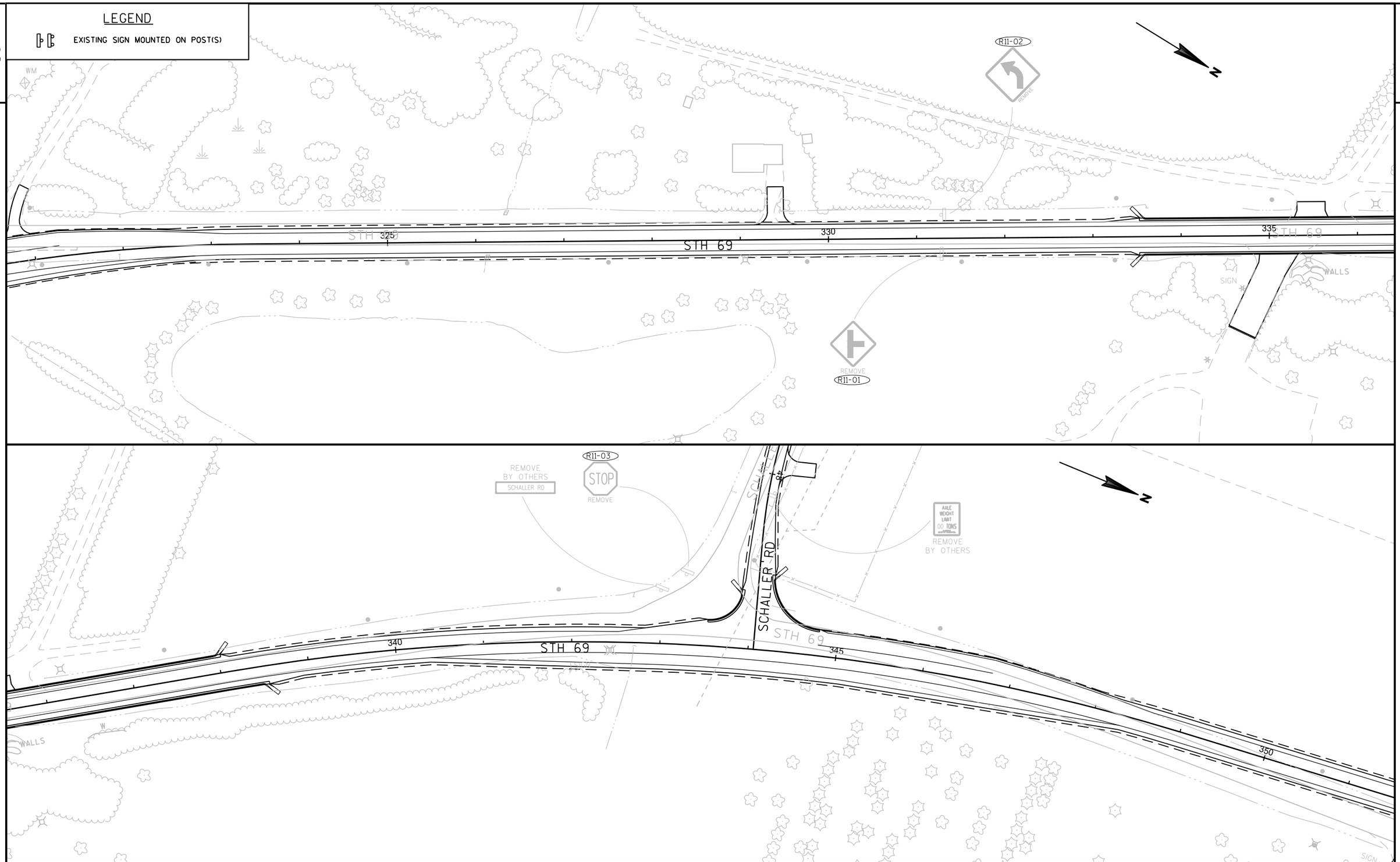
FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-PS - 10

PLOT DATE : 4/15/2021 1:46 PM PLOT BY : BOB WILSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

LEGEND

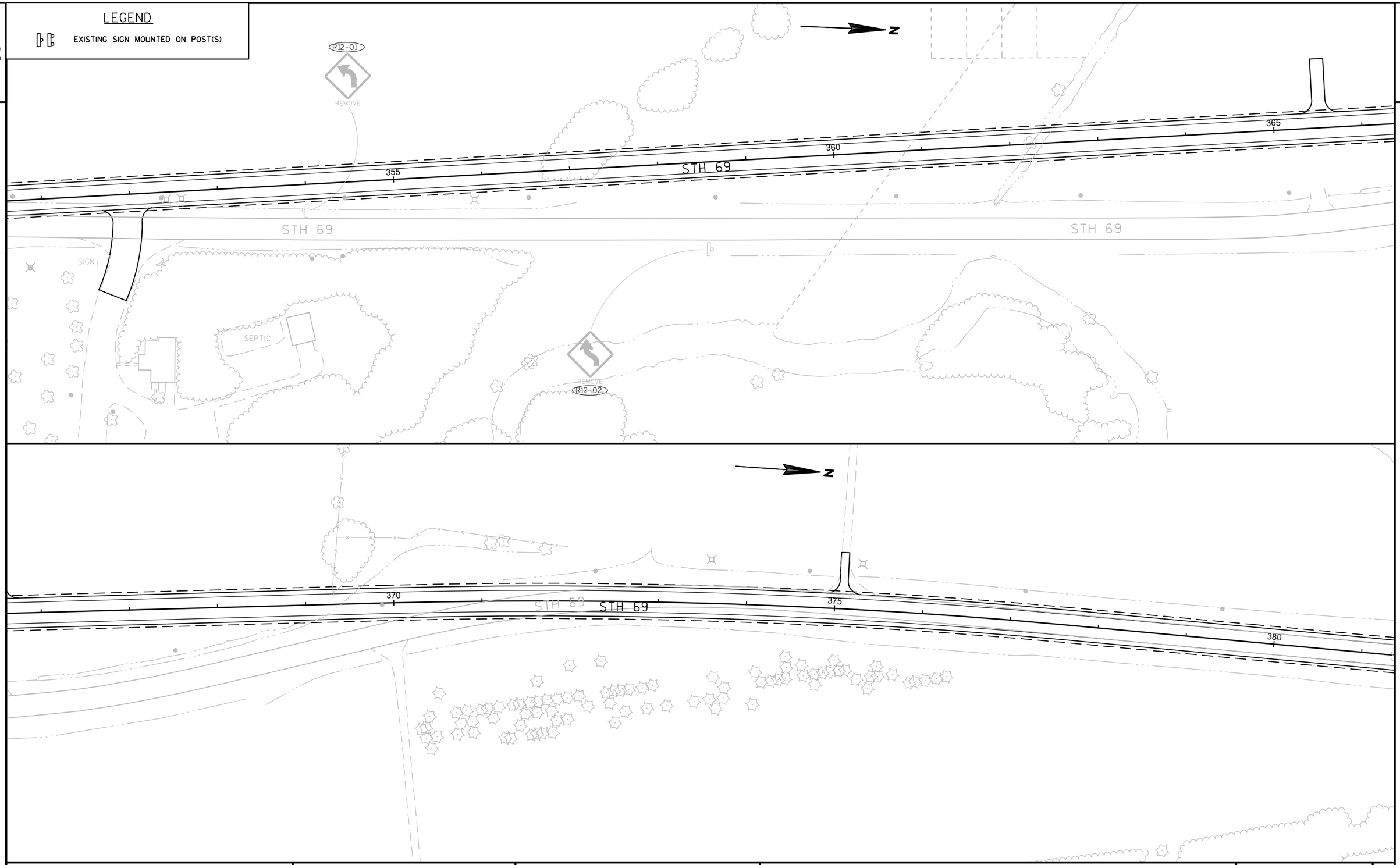
EXISTING SIGN MOUNTED ON POST(S)



PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	SIGN REMOVALS	SHEET 128	E

LEGEND

EXISTING SIGN MOUNTED ON POST(S)



PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	SIGN REMOVALS	SHEET 129	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-PS - 12

PLOT DATE : 4/15/2021 1:46 PM PLOT BY : BOB WILSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

N

R13-02 NO PASSING ZONE REMOVE

R13-05 REMOVE

R13-01 REMOVE

STH 69

385

390

395

SIGN

SUNSET DR

SUNSET DR REMOVE BY OTHERS

NO PASSING ZONE REMOVE R13-03

50 M.P.H. REMOVE R13-04

REMOVE R13-06

SPEED LIMIT 45 REMOVE R13-07

76

N

400

405

410

STH 69

LOCUST DR

STOP REMOVE R13-08

REMOVE R13-09

REMOVE R13-10

REMOVE R13-11

AXLE WEIGHT LIMIT 00 TONS REMOVE BY OTHERS

SUNSET DR REMOVE BY OTHERS

STOP REMOVE R13-12

REMOVE R13-13

REMOVE R13-14

REMOVE R13-15

REMOVE R13-16

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY:DANE	SIGN REMOVALS	SHEET 130	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-PS - 13

PLOT DATE : 4/15/2021 1:47 PM PLOT BY : BOB WILSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

OAK GROVE RD
REMOVE
BY OTHERS

R14-01 REMOVE
R14-02 REMOVE
R14-03 REMOVE
R14-04 REMOVE
R14-05 STOP REMOVE
R14-06 REMOVE
R14-07 REMOVE
R14-08 REMOVE
R14-09 REMOVE
R14-10 STOP REMOVE

RIVERSIDE RD
REMOVE
BY OTHERS

STH 69

415 420 425 430 435 440

MADISON SCHOOL
DISTRICT FOREST
REMOVE
BY OTHERS

R14-12 50 M.P.H. REMOVE

R14-14 NO PASSING ZONE REMOVE

MANHATTAN DR
REMOVE
BY OTHERS

SIGN

BERM

R14-11 STOP REMOVE

R14-13 NO PASSING ZONE REMOVE

R14-15 DEAD END REMOVE

R14-16 STOP REMOVE

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	SIGN REMOVALS	SHEET	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-PS - 14
PLOT DATE : 4/15/2021 1:47 PM PLOT BY : BOB WILSON PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

N

FOUND

MH

R15-01 REMOVE

R15-03 REMOVE

R15-05 REMOVE

445

450

455

STH 69

STH 69

R15-02 REMOVE

R15-04 REMOVE

N

R15-07 NO PASSING ZONE REMOVE

PINE ROW

SIGN

INL

INL

INL

INL

STH 69

STH 69

STH 69

R15-06 REMOVE

SEPTIC

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	SIGN REMOVALS	SHEET 132	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-PS - 15

PLOT DATE : 4/15/2021 1:47 PM PLOT BY : BOB WILSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- TWO 18"X18" FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM

JCT COUNTY D
J1-1
24"X39"
01-01

SPEED LIMIT 30
R2-1
24"X30"
01-03

STH 69

FEDERAL AVE

STOP
R1-1
30"X30"
01-02

SPEED LIMIT 30
R2-1
24"X30"
01-04

I55-56
30"X18"
I55-56P
30"X18"
01-05
01-06

5TH AVE

STOP
R1-1
30"X30"
01-07

AHEAD
W11-2
30"X30"
W16-9P
24"X12"
01-08
01-09

N SHORE DR

W11-2
30"X30"
W16-7L
24"X12"
01-10
01-11

STOP
R1-1
30"X30"
01-14

SPEED LIMIT 30
R2-1
24"X30"
01-17

W11-2
30"X30"
W16-7R
24"X12"
01-19
01-20

W11-2
30"X30"
W16-7L
24"X12"
R10-25
9"X12"
01-21
01-22
01-23

STOP
R1-1
30"X30"
01-24

KARL AVE

R9-3A
18"X18"
R9-3BR
18"X12"
01-32
01-33

N SHORE DR

W11-2
30"X30"
W16-7L
24"X12"
01-12
01-13

STOP
R1-1
30"X30"
01-15

SPEED LIMIT 40
R2-1
24"X30"
01-16

GREENWAY CROSS CT

STOP
R1-1
30"X30"
01-18

RRFB LIGHT BAR (TYP)

W11-2
30"X30"
W16-7L
24"X12"
R10-25
9"X12"
01-25
01-26
01-27

R9-3A
18"X18"
R9-3BL
18"X12"
01-28
01-29

W11-2
30"X30"
W16-7R
24"X12"
01-30
01-31

SEE RECTANGULAR RAPID FLASHING BEACON PLAN SHEET FOR MORE INFORMATION ON MOUNTING RELATED SIGNING.

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	PERMANENT SIGNING - STH 69	SHEET 133	E

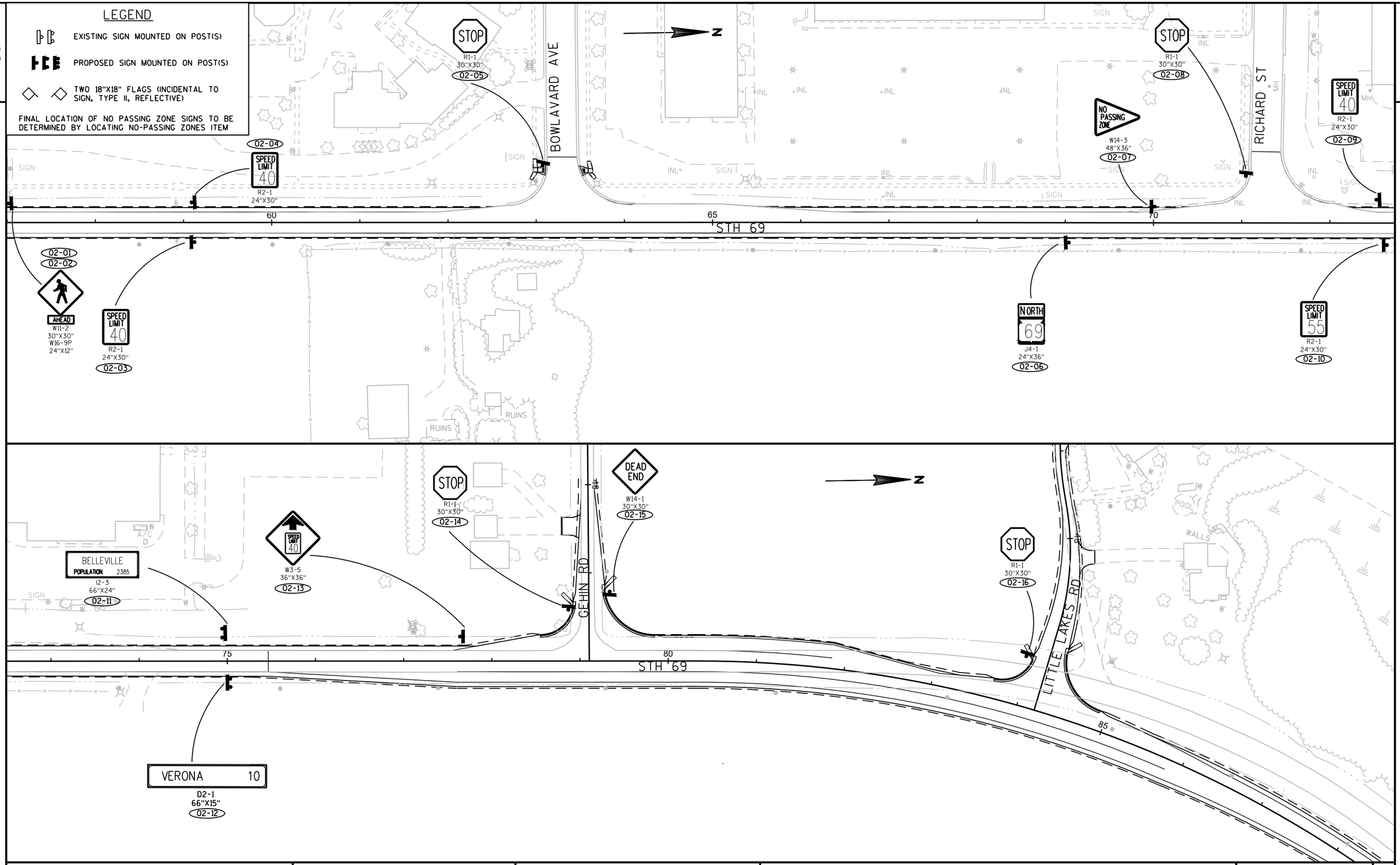
LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

TWO 18"X18" FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PERMANENT SIGNING - STH 69	SHEET 134	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\023202-PS.DWG
LAYOUT NAME - 023202-PS - 02
PLOT DATE : 6/14/2021 3:23 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

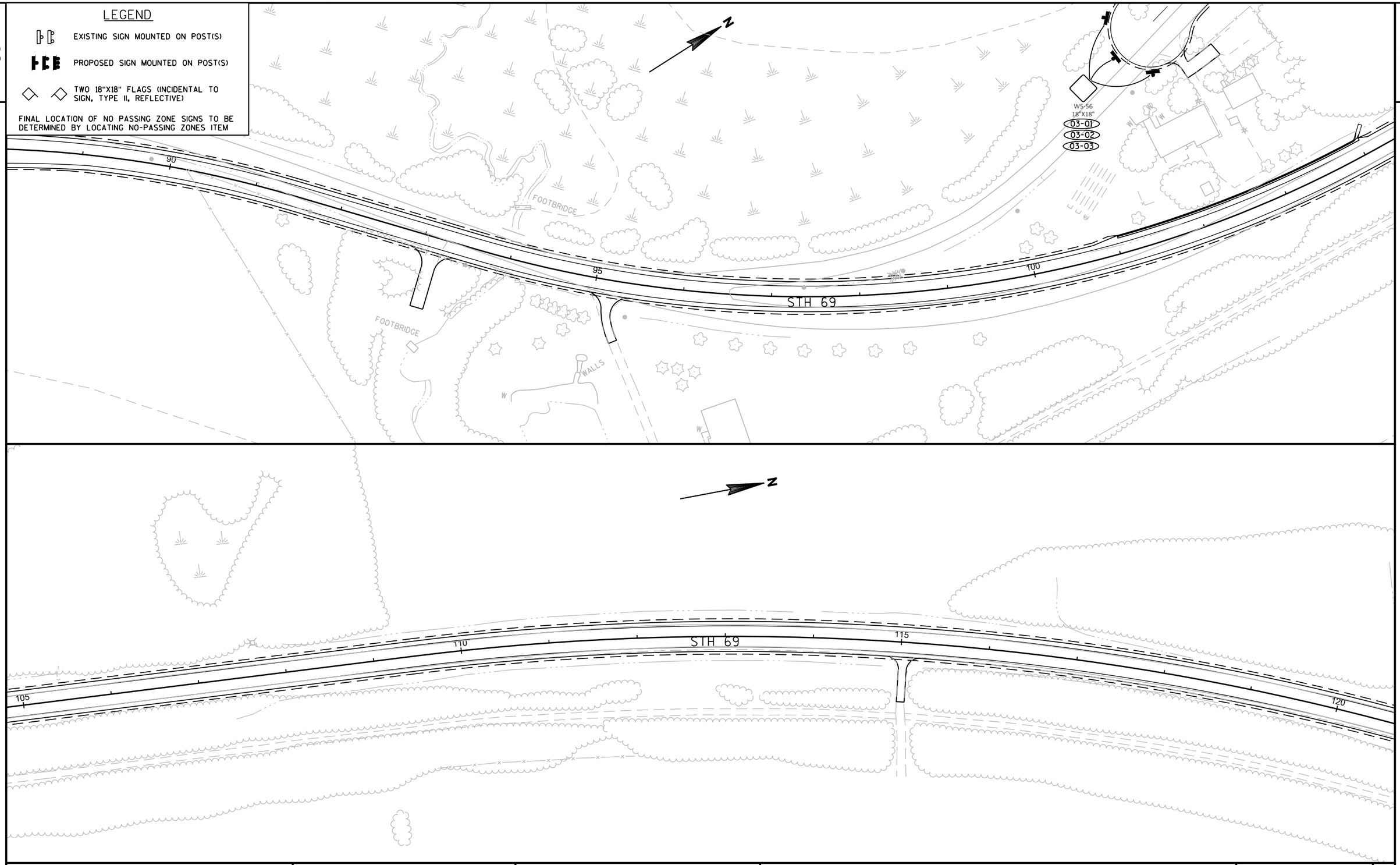
LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

TWO 18"X18" FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM



PROJECT NO:1693-05-72	HWY:STH 69	COUNTY:DANE	PERMANENT SIGNING - STH 69	SHEET 135	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\023202-PS.DWG
LAYOUT NAME - 023202-PS - 03

PLOT DATE : 6/14/2021 3:23 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

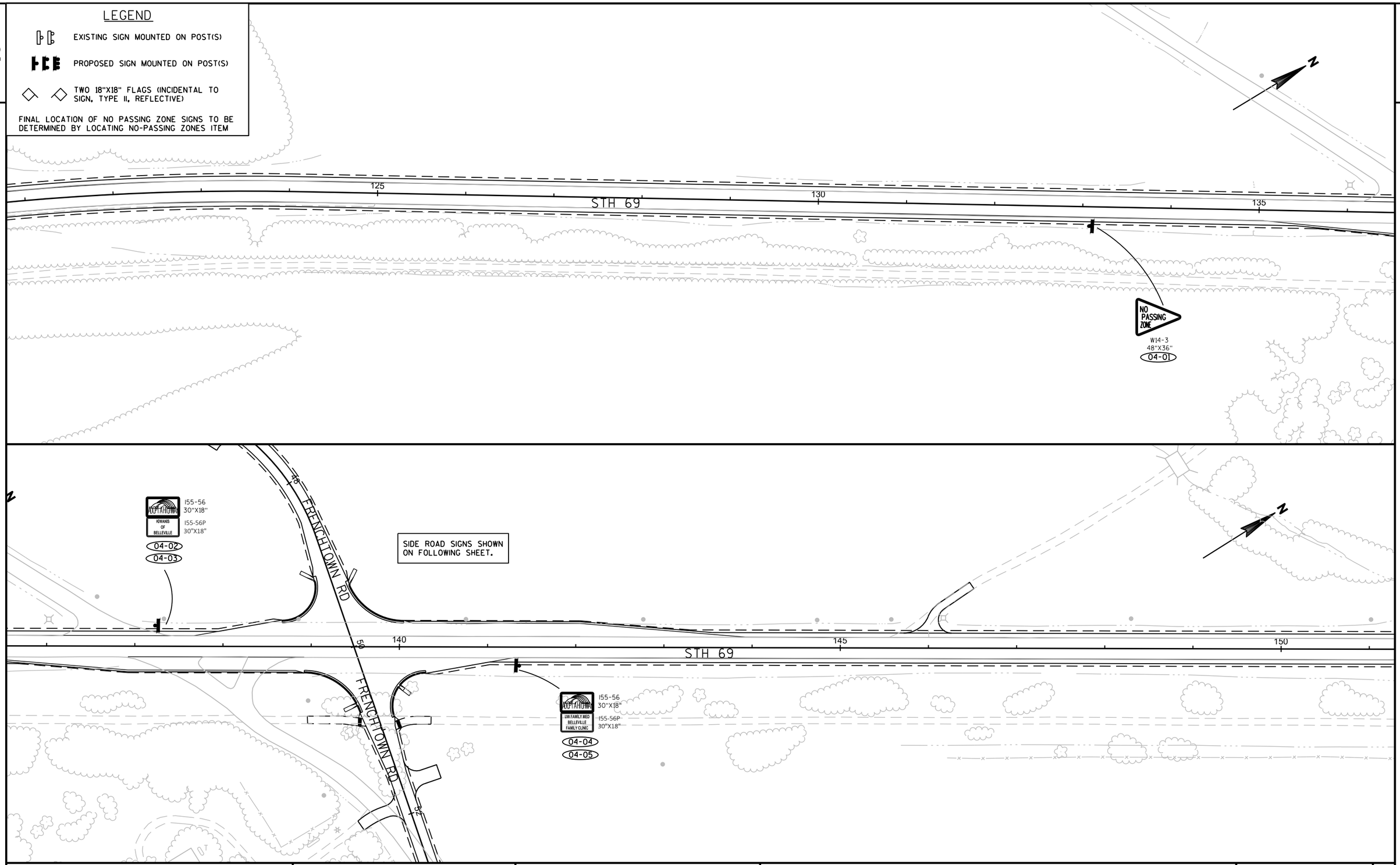
LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

TWO 18"X18" FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM



PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	PERMANENT SIGNING - STH 69	SHEET 136	E

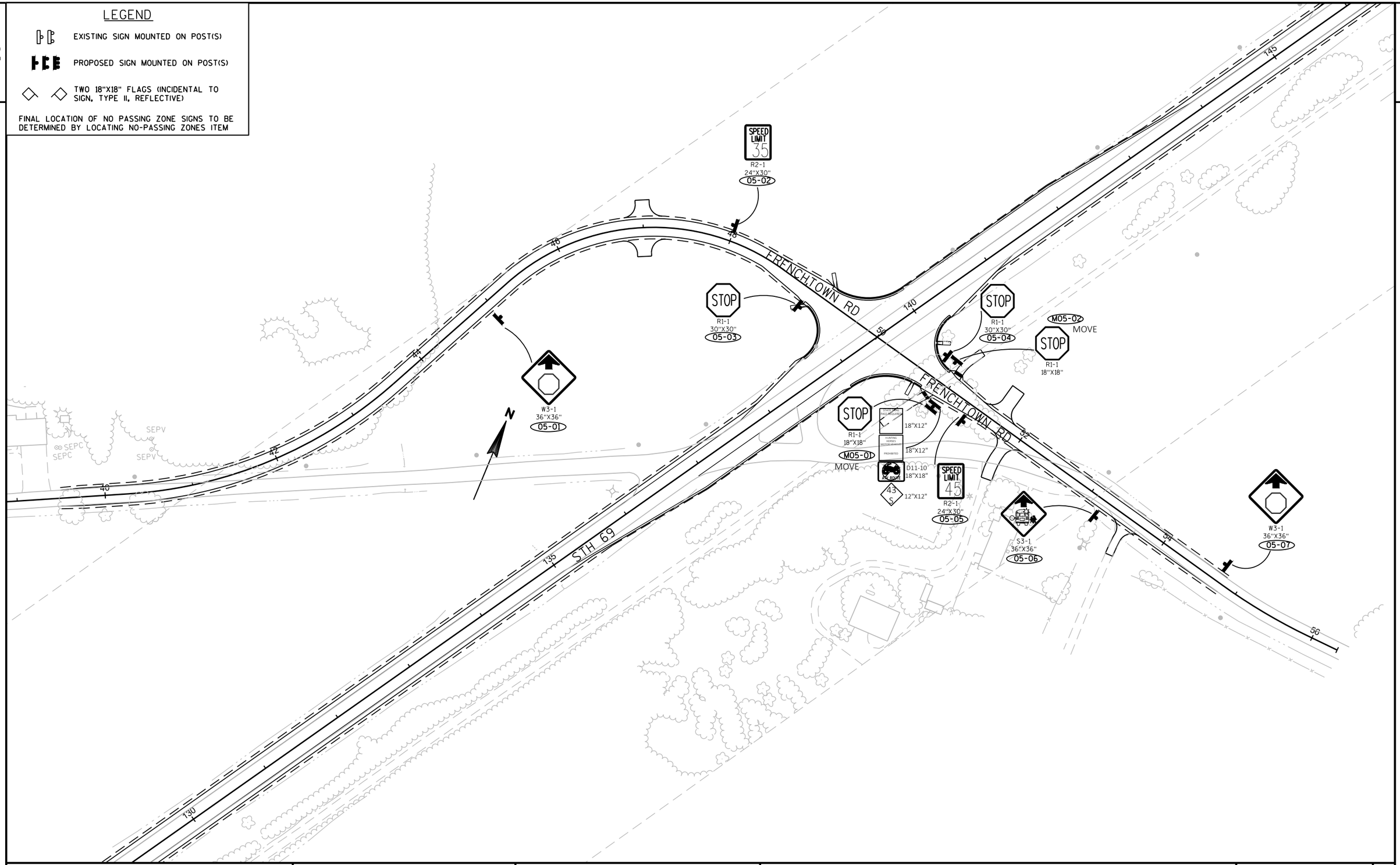
LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

TWO 18"X18" FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM



PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	PERMANENT SIGNING - FRENCHTOWN RD	SHEET 137 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\023202-PS.DWG
LAYOUT NAME - 023202-PS - 05

PLOT DATE : 6/14/2021 3:25 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 42

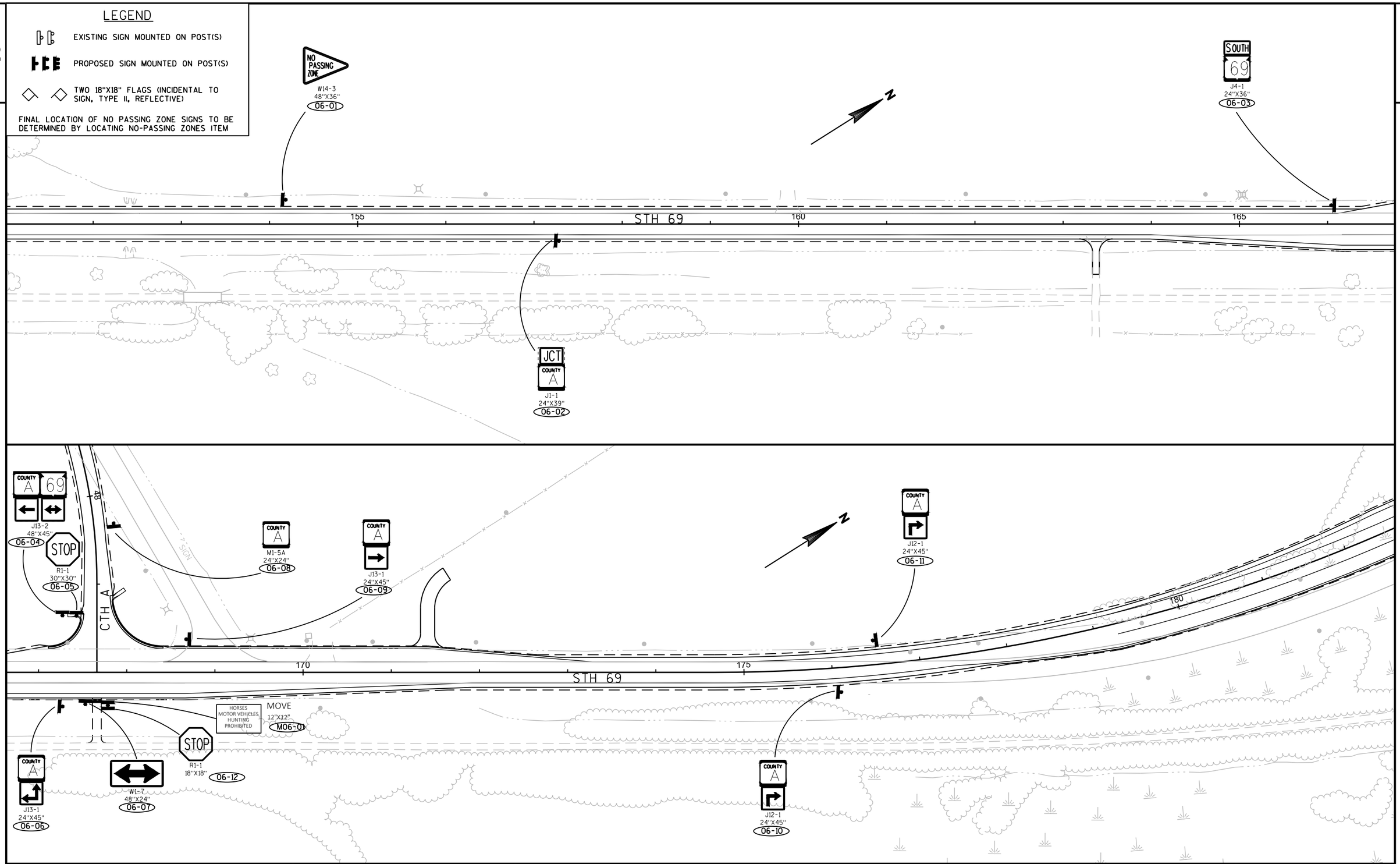
LEGEND

EXISTING SIGN MOUNTED ON POST(S)

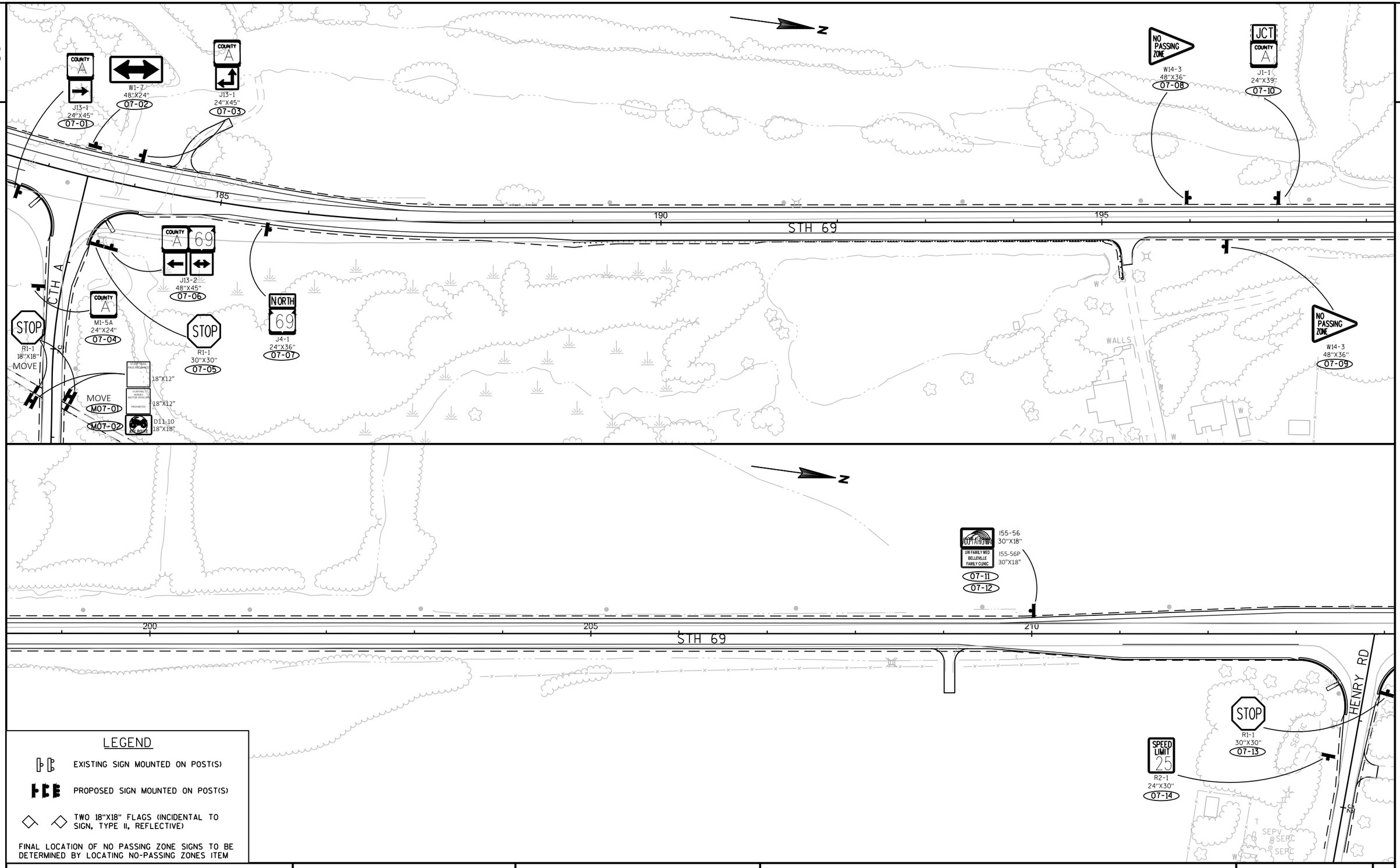
PROPOSED SIGN MOUNTED ON POST(S)

TWO 18"X18" FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM



PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	PERMANENT SIGNING - STH 69	SHEET 138 E



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- TWO 18"X18" FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PERMANENT SIGNING - STH 69	SHEET 139	E

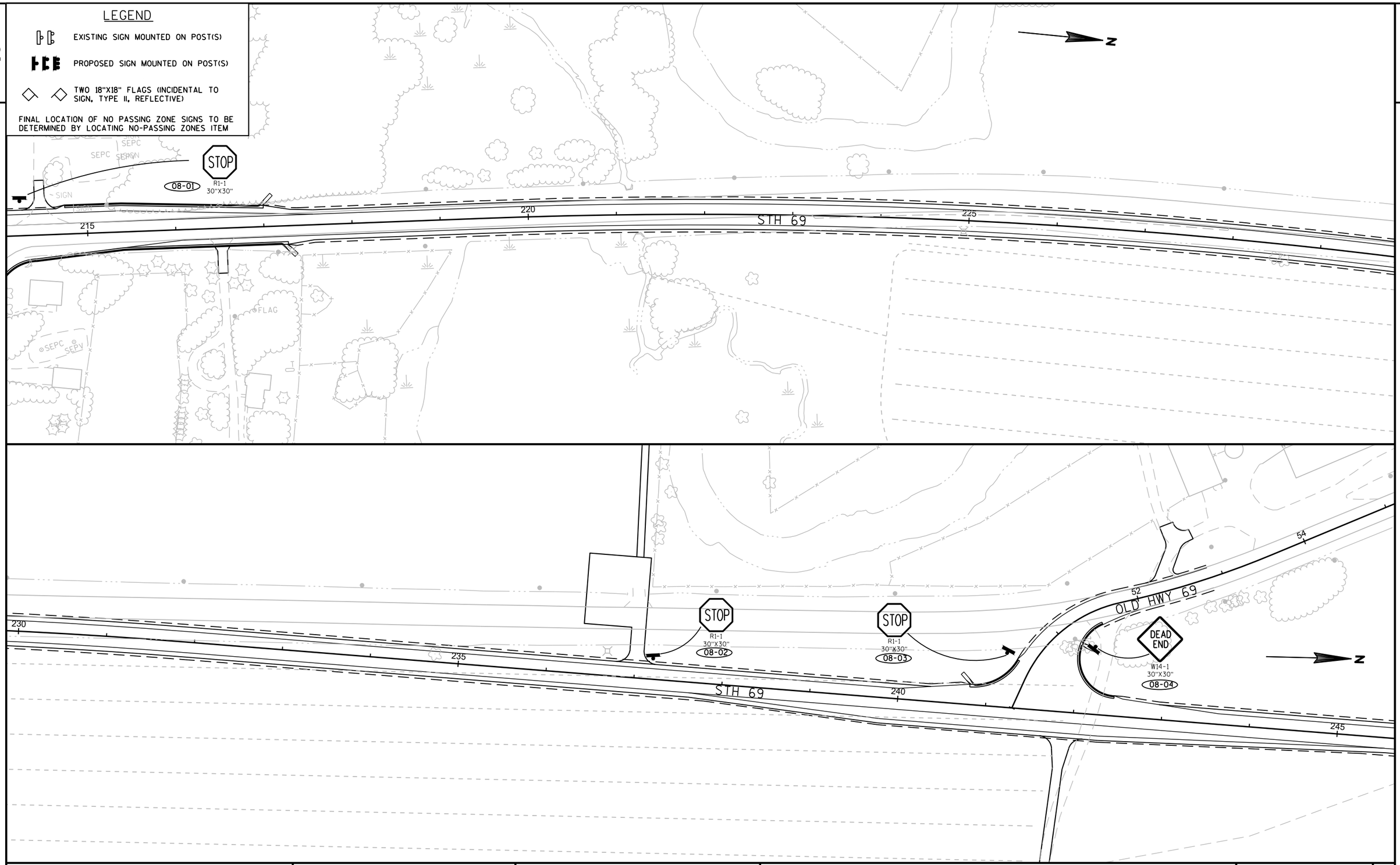
LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

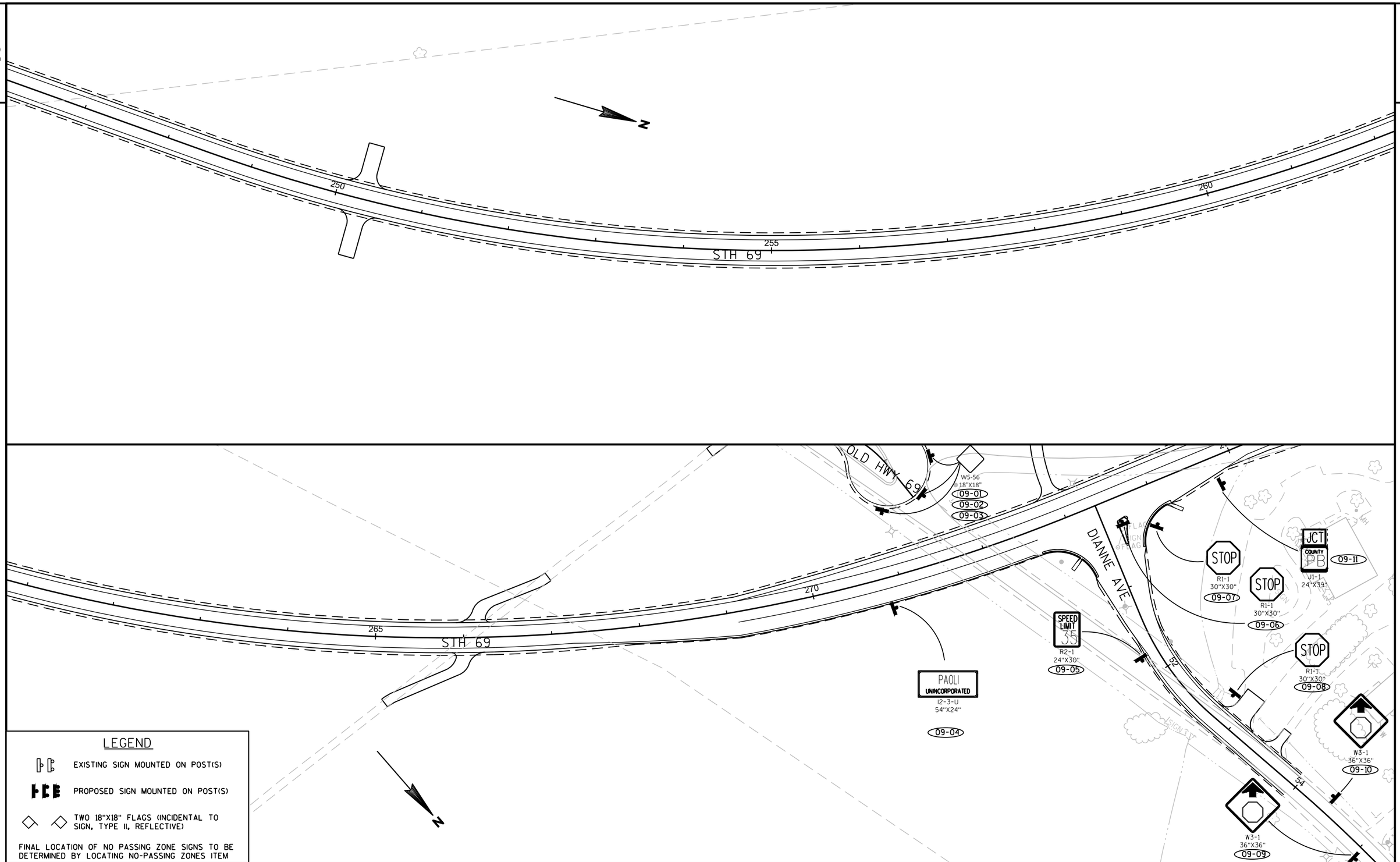
TWO 18"X18" FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM



PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	PERMANENT SIGNING - STH 69	SHEET 140	E

2



LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

TWO 18"X18" FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	PERMANENT SIGNING - STH 69 AND DIANNE AVE	SHEET 141 E

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

TWO 18"X18" FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM

10-01 10-02 — W2-6 36"X36" W13-1 24"X24"

10-03 10-04 — W2-6 36"X36" W13-1 24"X24"

10-05 — D1-62 102"X66"

10-06 10-07 — R4-7 24"X30" W5-54 18"X18"

10-08 — R1-2 36"X31"

10-09 — R1-2 36"X31"

10-10 10-11 — R6-1R 36"X12" R6-4B 60"X24"

10-12 — D1-1 36"X18"

10-13 — M1-5A 24"X24"

10-14 — R5-1 30"X30"

10-15 — R4-7 24"X30"

10-16 — R2-1 24"X30"

10-17 — J1-1 24"X39"

10-18 10-19 — W2-6 30"X30" W13-1 18"X18"

10-20 — J2-2 48"X57"

10-21 — R1-2 36"X31"

10-22 — R1-2 36"X31"

10-23 10-24 — R6-1R 36"X12" R6-4B 60"X24"

10-25 — D1-1 42"X30"

10-26 — J4-1 24"X36"

10-27 — R5-1A 42"X30"

10-28 — R1-2 36"X31"

10-29 — R1-2 36"X31"

10-30 10-31 — R6-1R 36"X12" R6-4B 60"X24"

10-32 — D1-1 36"X18"

10-33 — R5-1A 42"X30"

10-34 — M1-5A 24"X24"

10-35 — R5-1 30"X30"

10-36 10-37 — R4-7 24"X30" W5-54 18"X18"

10-38 — R1-2 36"X31"

10-39 — R1-2 36"X31"

10-40 10-41 — R6-1R 36"X12" R6-4B 60"X24"

10-42 — D1-1 42"X30"

10-43 — J4-1 24"X36"

10-44 — R5-1A 42"x30"

10-45 — R2-1 24"X30"

10-46 — R5-1 30"X30"

10-47 — J2-2 48"X57"

10-48 10-49 — W2-6 36"X36" W13-1 24"X24"

10-50 10-51 — W2-6 36"X36" W13-1 24"X24"

10-52 — J1-1 24"X39"

10-53 — W14-1 30"X30"

STH 69 280 285 290 106 CTH PB 110 100 102 200' 200' FOOTBRIDGE PLAYGROUND SIGN SEPTIC SEPC SEPV

PROJECT NO:1693-05-72	HWY:STH 69	COUNTY:DANE	PERMANENT SIGNING - STH 69	SHEET 142	E

2

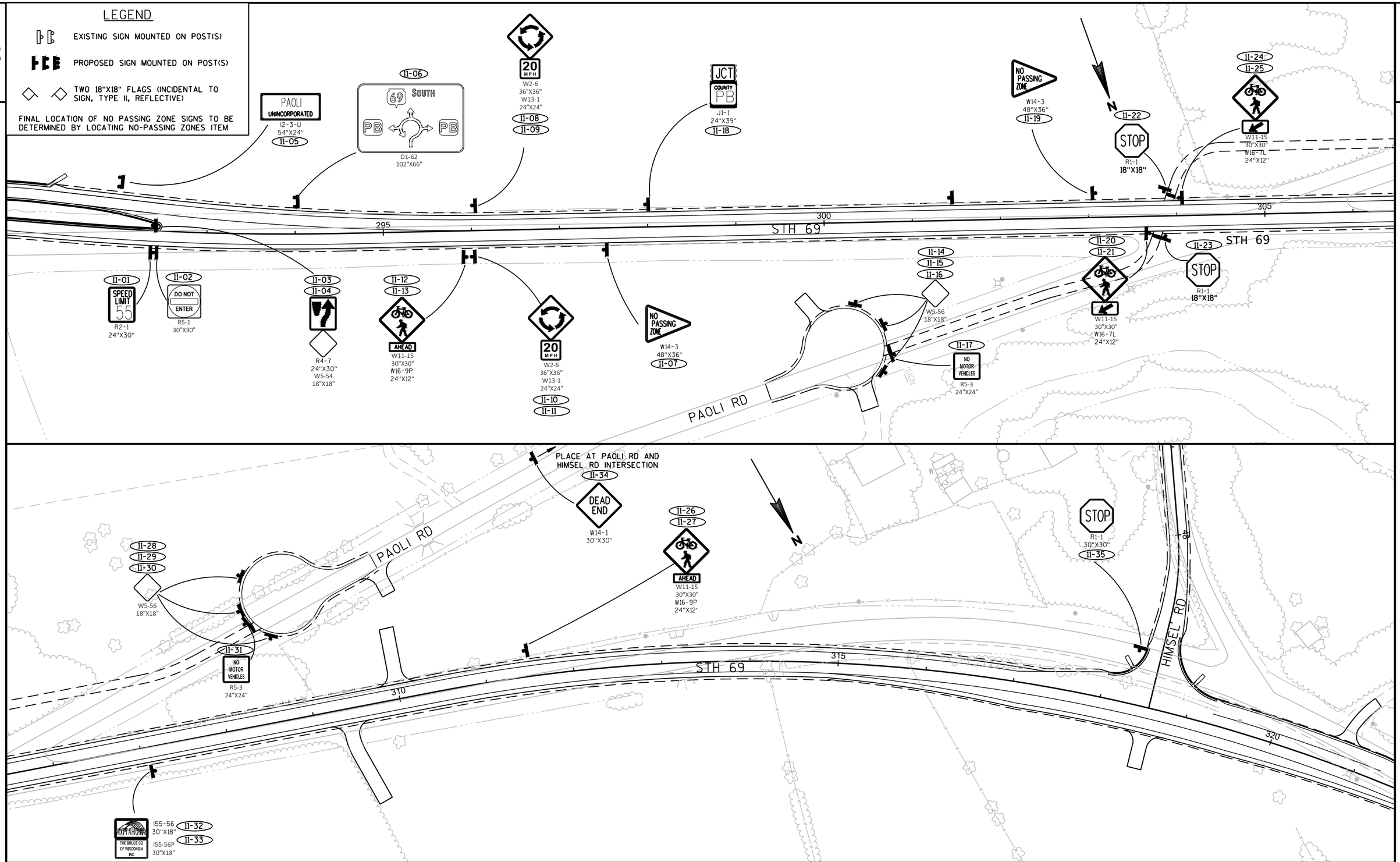
LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

TWO 18"X18" FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM



PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	PERMANENT SIGNING - STH 69	SHEET 143	E

2

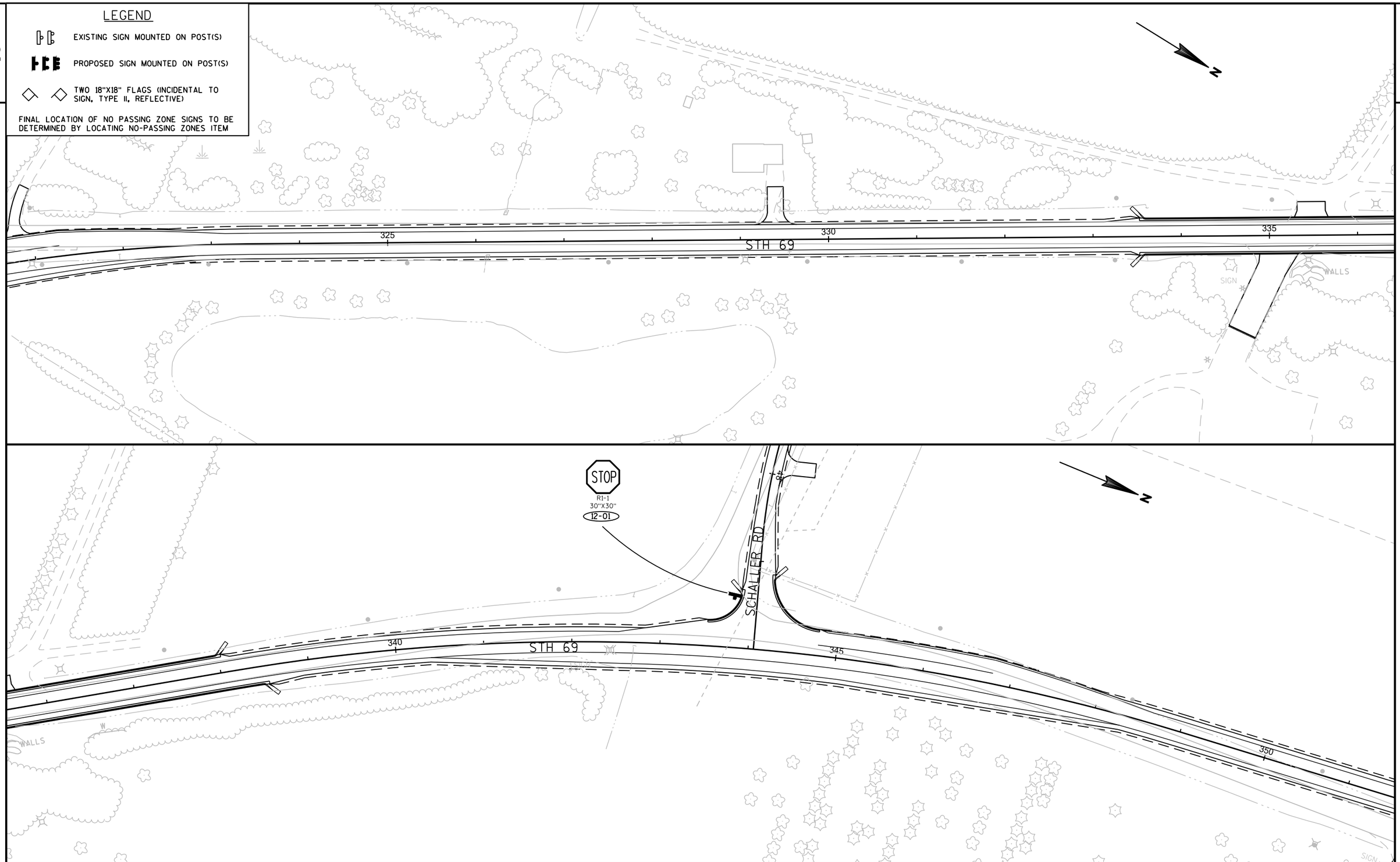
LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

TWO 18"X18" FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM



PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	PERMANENT SIGNING - STH 69	SHEET 144	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\023202-PS.DWG
LAYOUT NAME - 023202-PS - 12

PLOT DATE : 6/14/2021 3:30 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

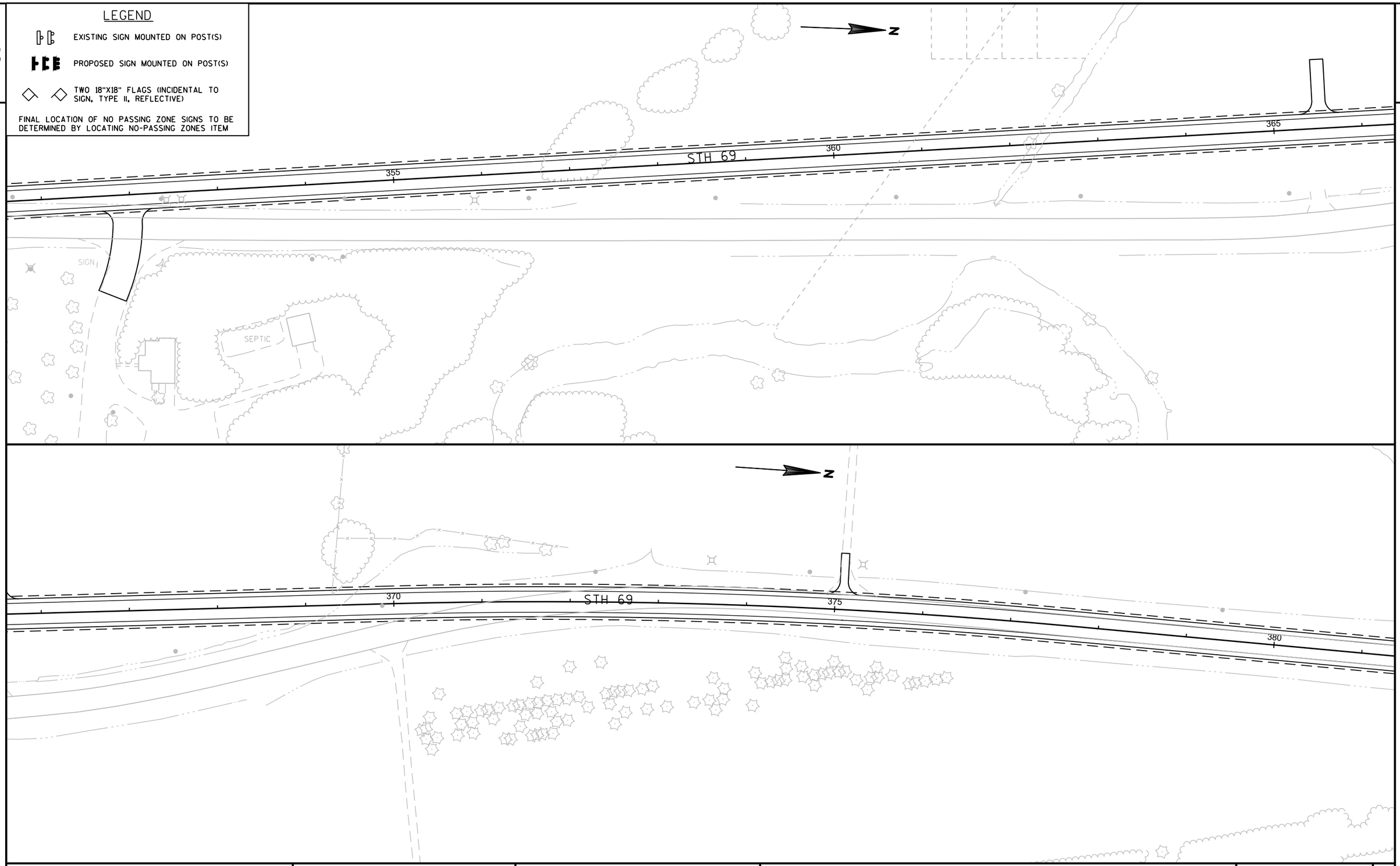
LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

TWO 18"X18" FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM



PROJECT NO:1693-05-72	HWY:STH 69	COUNTY:DANE	PERMANENT SIGNING - STH 69	SHEET 145	E

2

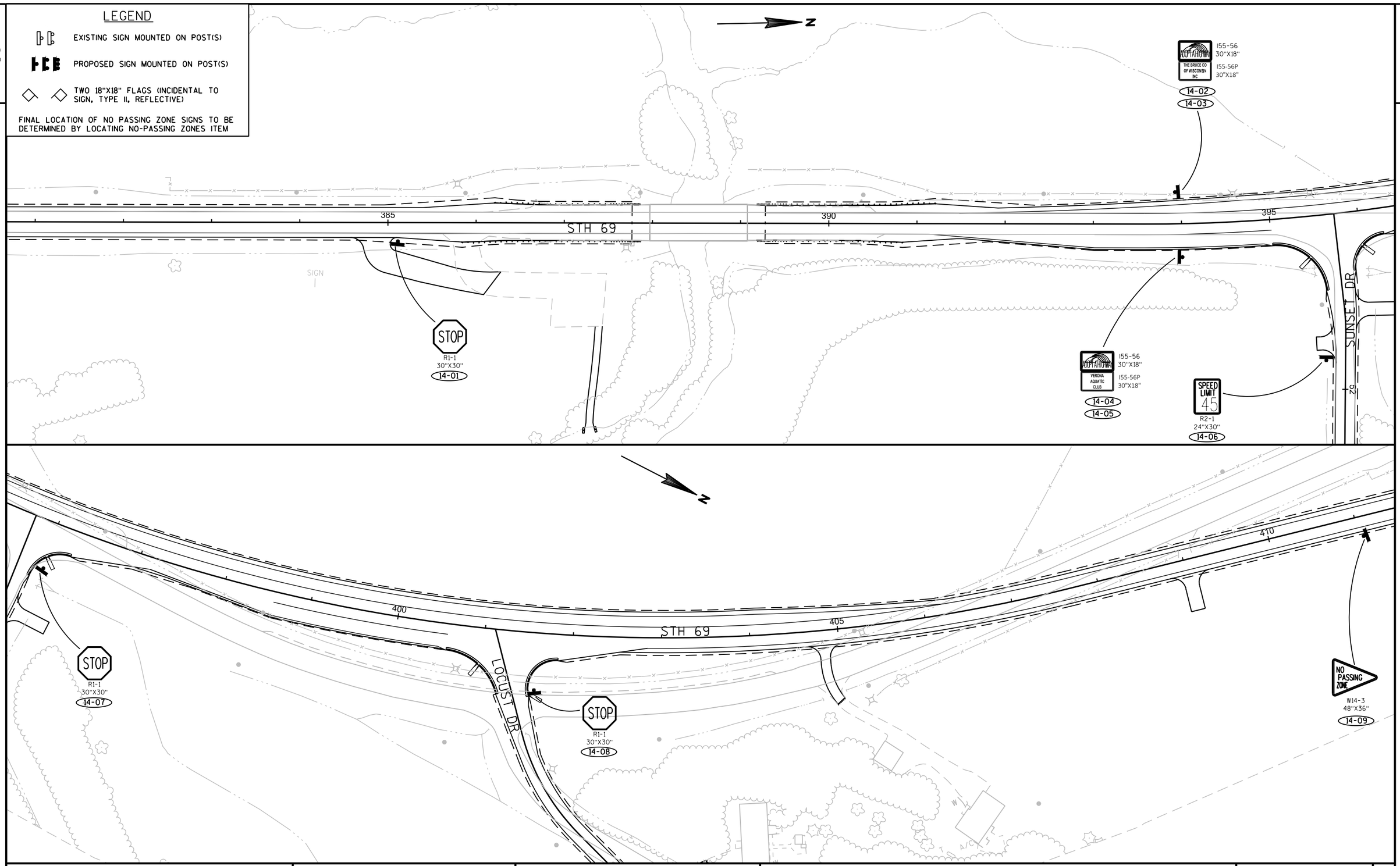
LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

TWO 18"X18" FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM



2

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	PERMANENT SIGNING - STH 69	SHEET 146 E

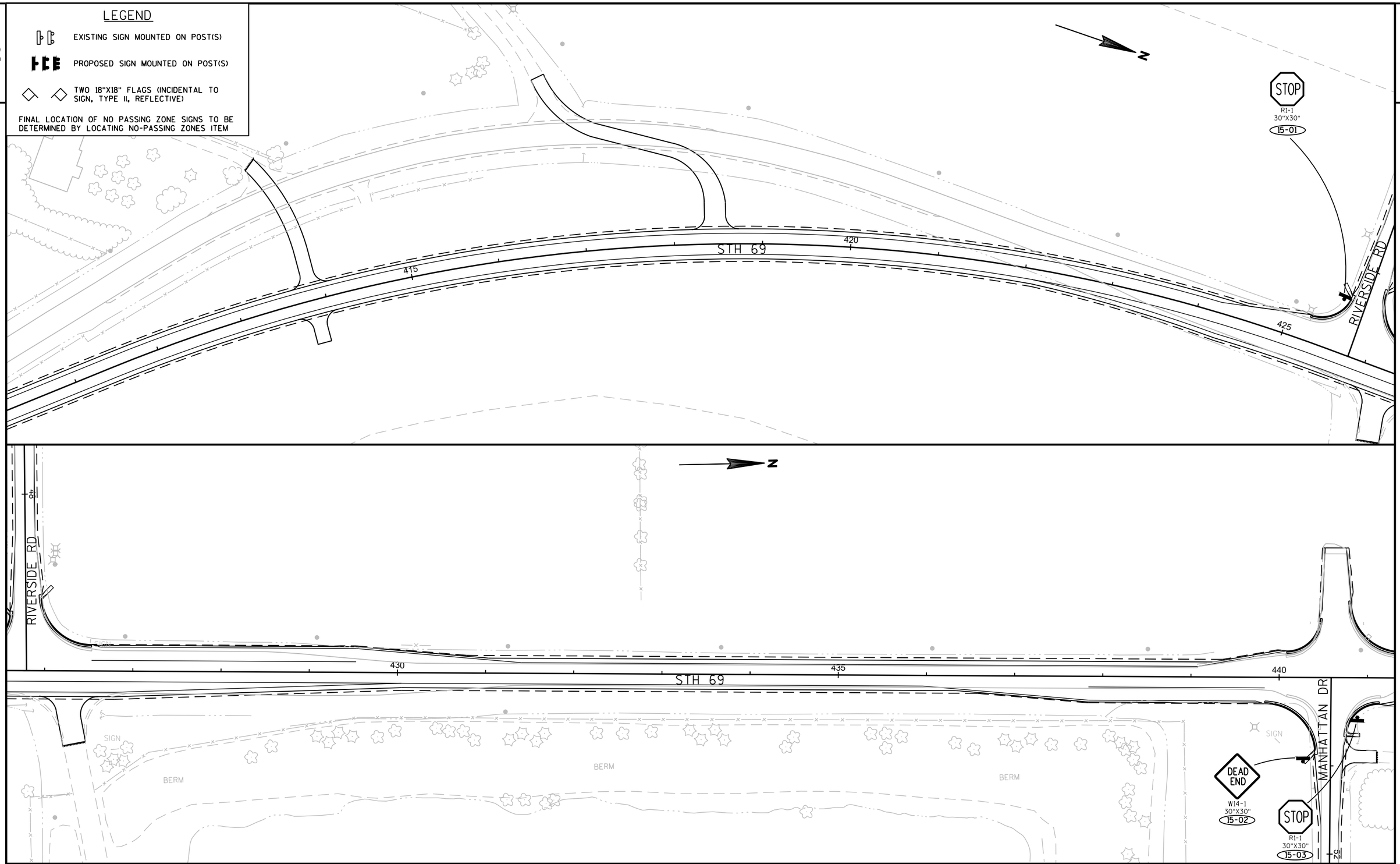
LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

TWO 18"X18" FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM



PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	PERMANENT SIGNING - STH 69	SHEET	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\023202-PS.DWG
LAYOUT NAME - 023202-PS - 15

PLOT DATE : 6/14/2021 3:32 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

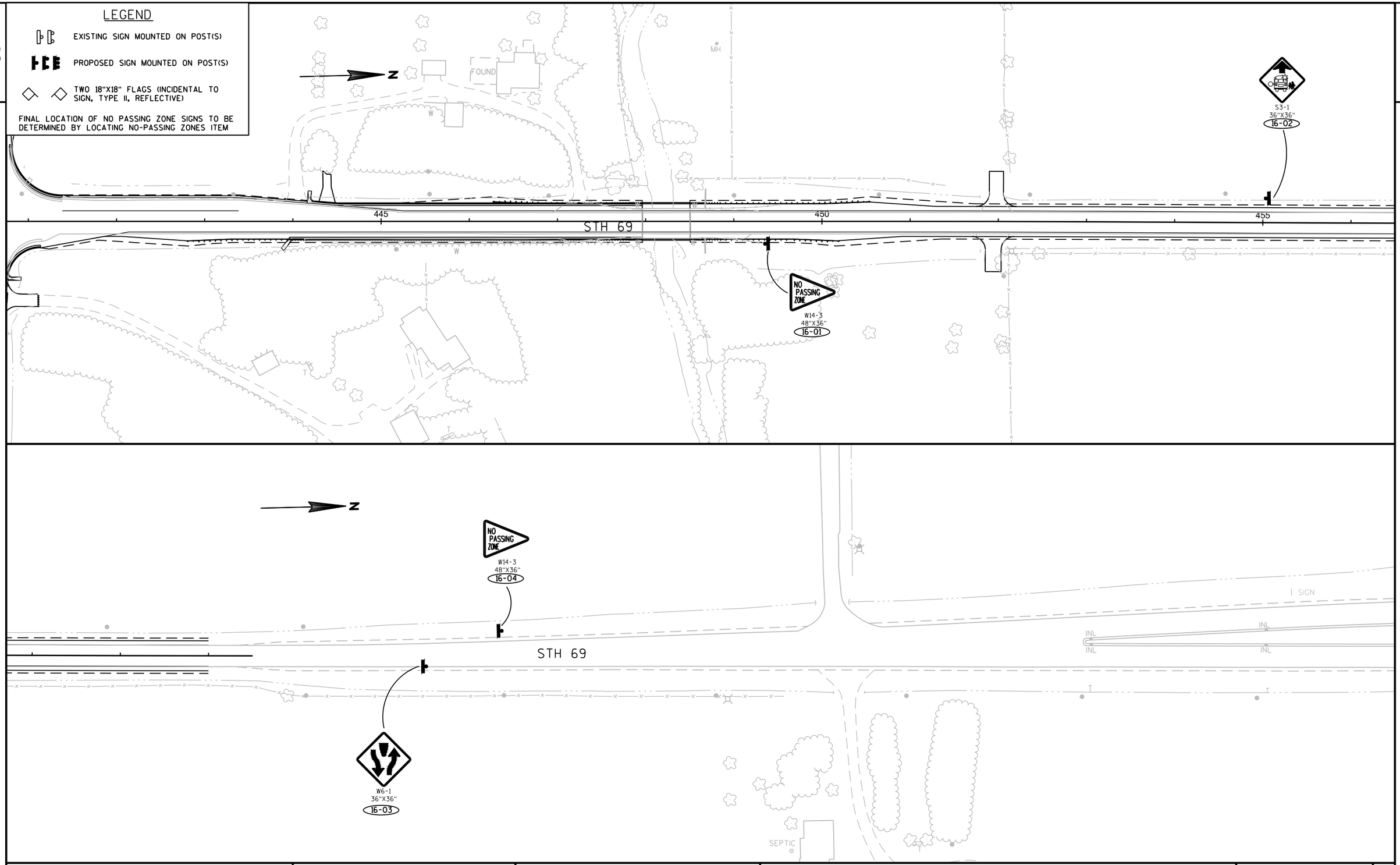
LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

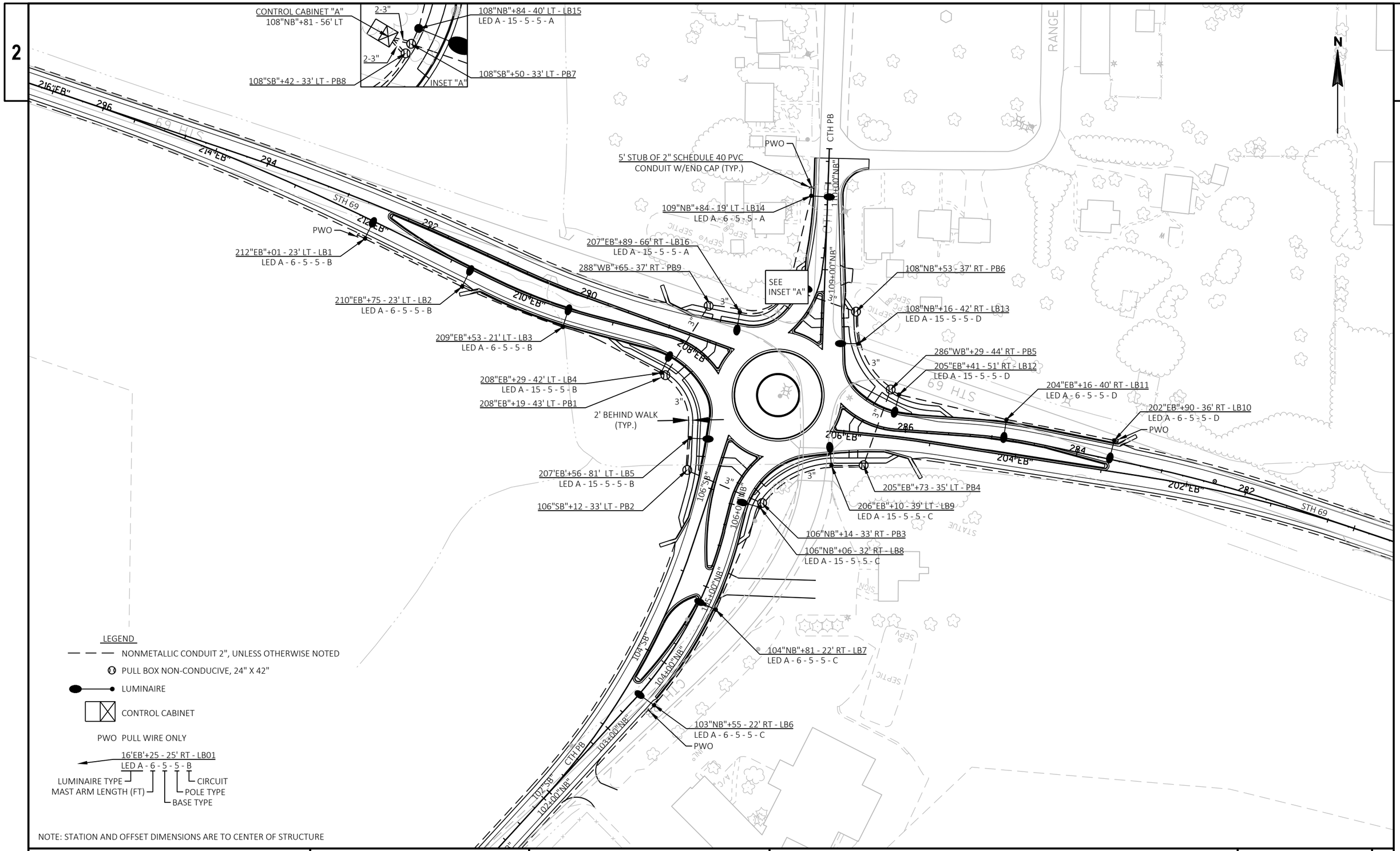
TWO 18"X18" FLAGS (INCIDENTAL TO SIGN, TYPE II, REFLECTIVE)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM



2

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	PERMANENT SIGNING - STH 69	SHEET 148	E



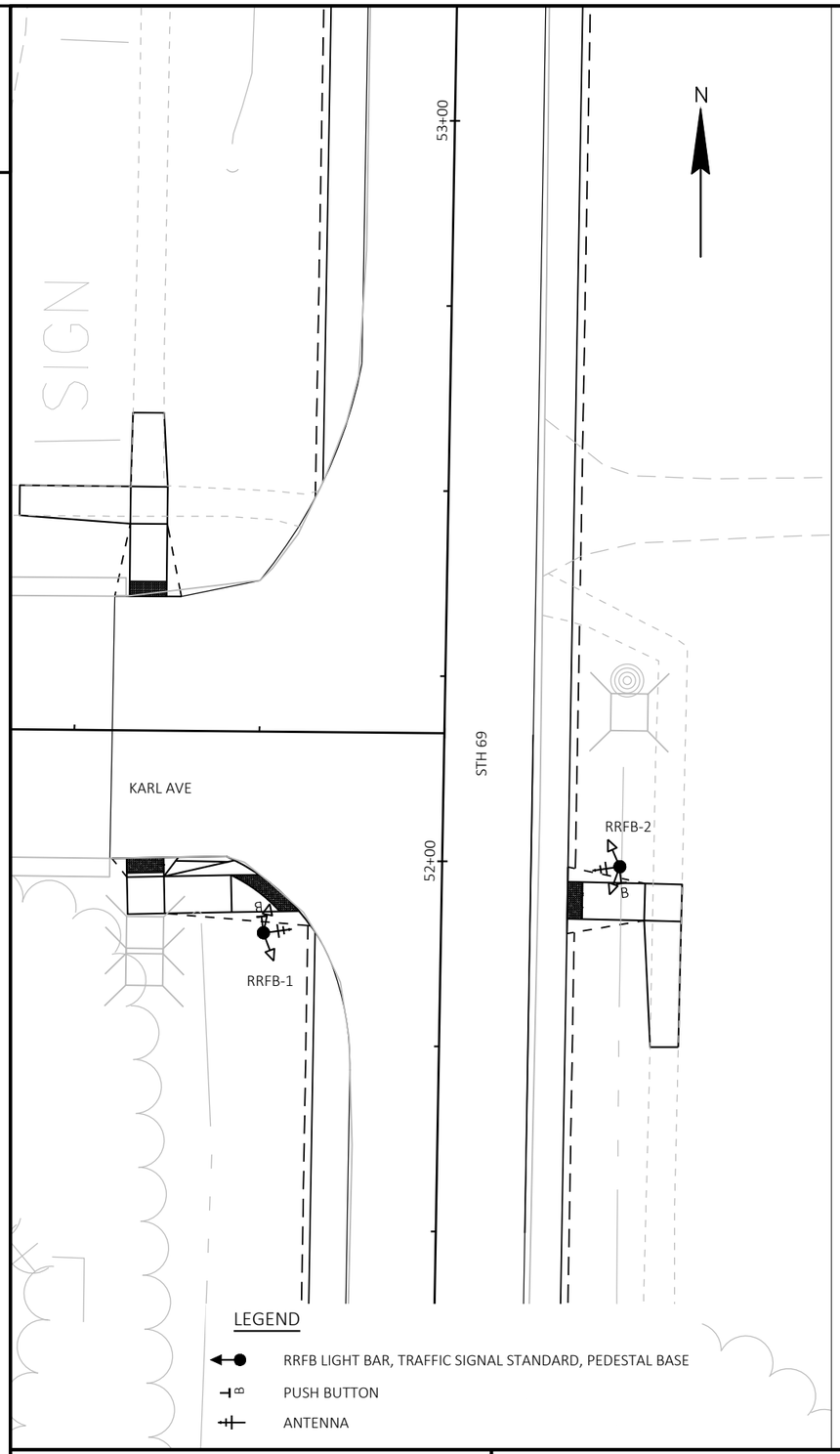
NOTE: STATION AND OFFSET DIMENSIONS ARE TO CENTER OF STRUCTURE

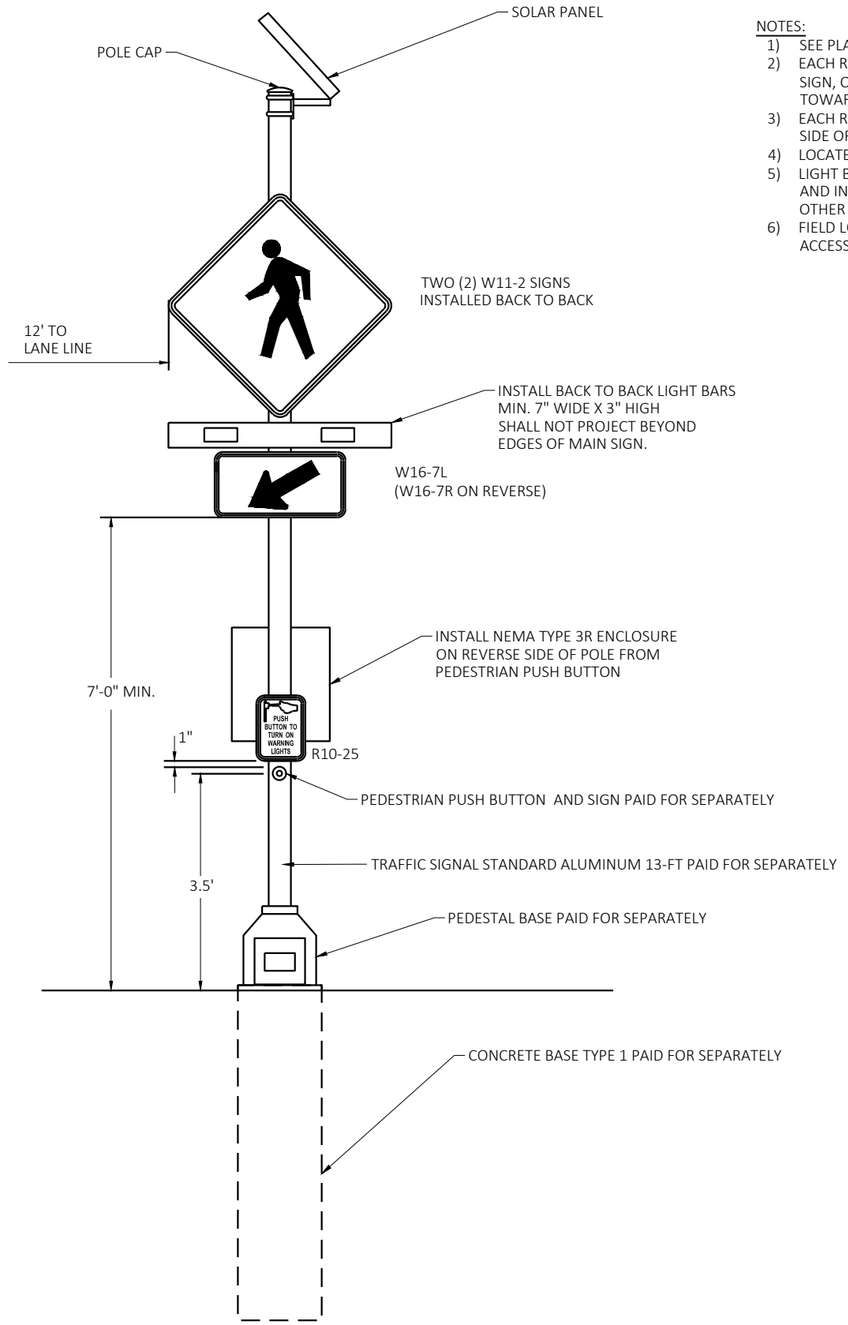
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	LIGHTING PLAN	SHEET 149	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\023501-LP.DWG
LAYOUT NAME - Plan 1 IN 100 FT

PLOT DATE : 3/26/2021 3:45 PM PLOT BY : JIM PAVELSKI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42





NOTES:

1) SEE PLAN DETAIL TO THE LEFT FOR BEACON AND PUSH BUTTON LOCATIONS.
2) EACH RRFB POLE SHALL HAVE ONE (1) W16-7L SIGN AND ONE (1) W16-7R SIGN, ONE (1) ON EACH SIDE OF THE POLE. THE ARROW SHALL BE DIRECTED TOWARDS THE CROSSWALK. REFER TO SIGNING PLANS FOR LOCATIONS.
3) EACH RRFB POLE SHALL HAVE TWO (2) W11-2 SIGNS, WITH ONE (1) ON EACH SIDE OF THE POLE. REFER TO SIGNING PLANS FOR LOCATIONS.
4) LOCATE R10-25 SIGN ABOVE PUSH BUTTON.
5) LIGHT BAR, CONTROLS, SOLAR PANEL, WIRELESS RADIO, HARDWARE, WIRING, AND INCIDENTALS ARE CONSIDERED PART OF THE "SYSTEM" BID ITEM. ALL OTHER ITEMS SHALL BE CONSIDERED SEPARATELY.
6) FIELD LOCATE ALL BASES TO PROVIDE 1.5' MAXIMUM REACH FROM ACCESSIBLE SLOPED AREA.

RECTANGULAR RAPID FLASHING BEACON DETAIL

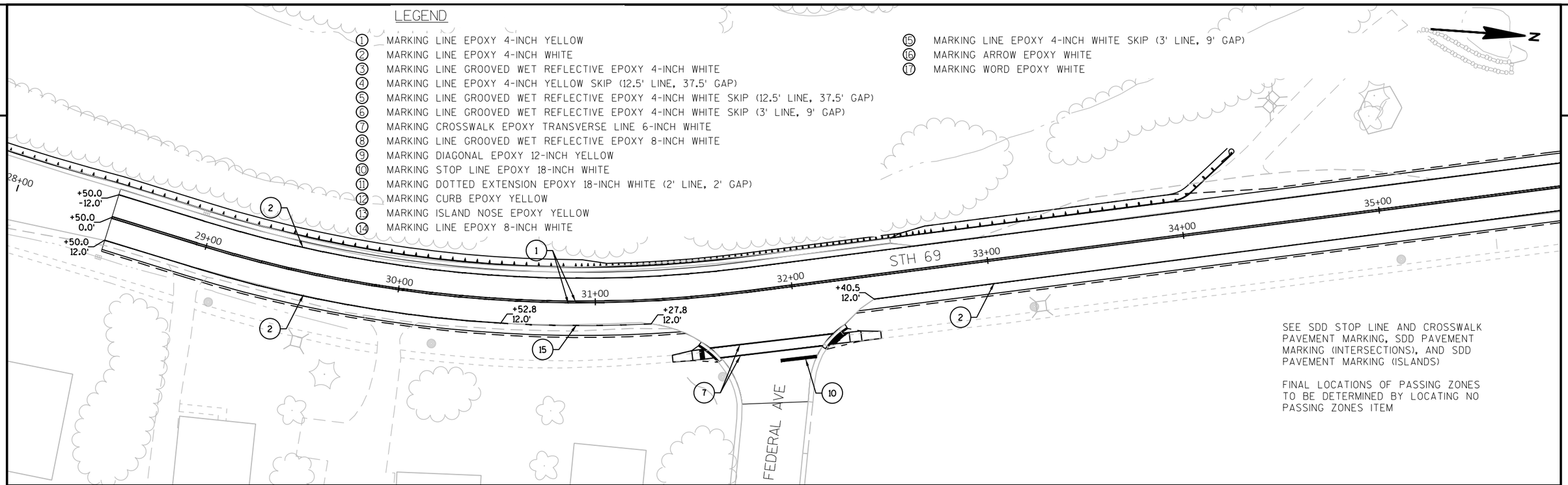
2

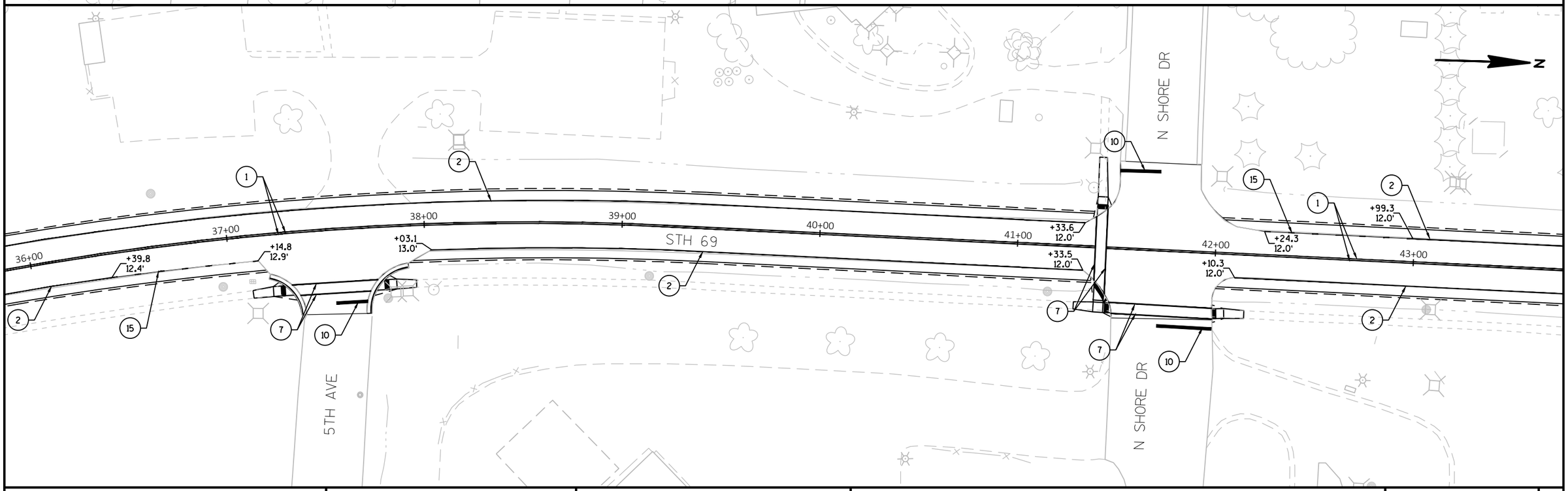
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	RECTANGULAR RAPID FLASHING BEACON PLAN	SHEET 150	E

2

LEGEND

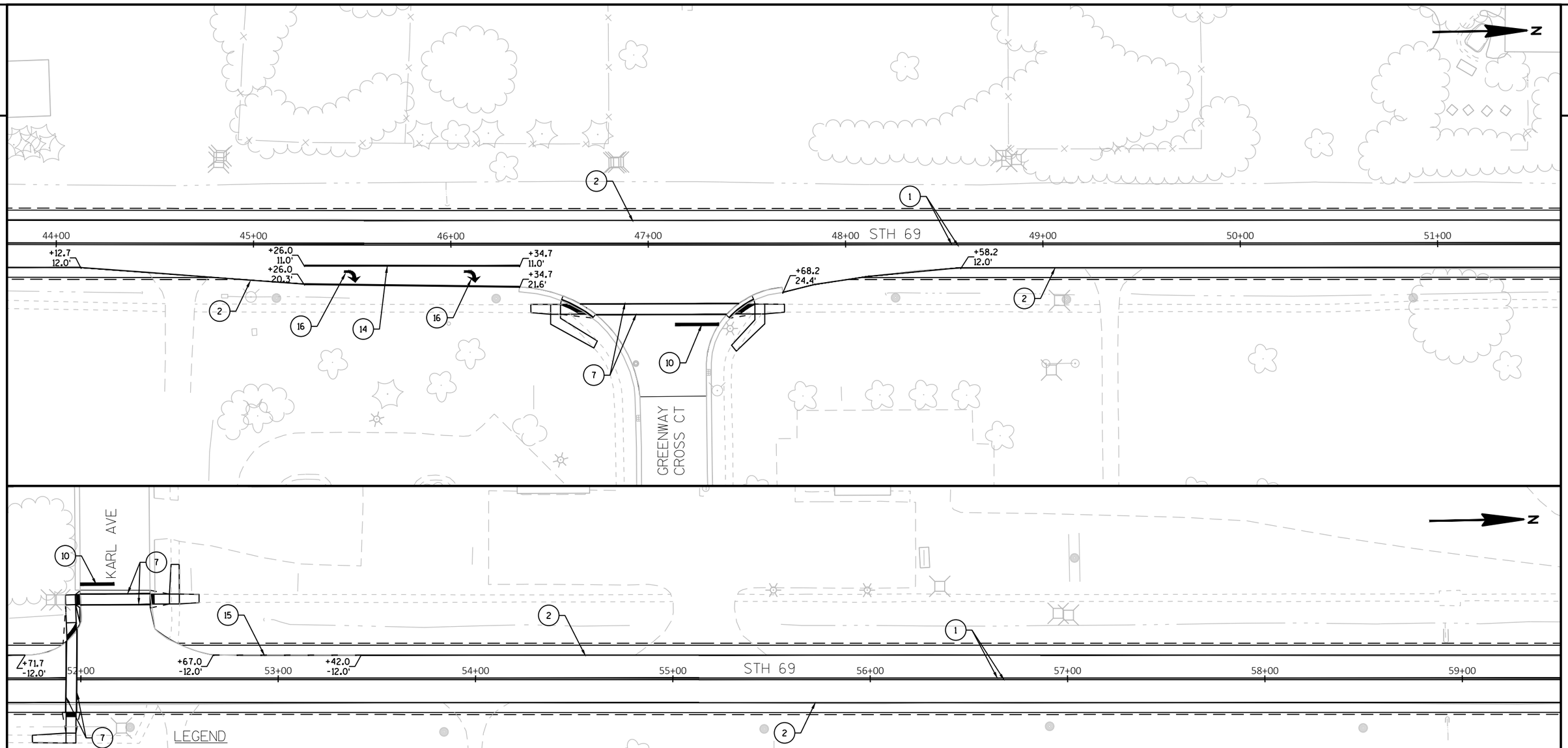
1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE





PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 151	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024501
PLOT DATE : 7/30/2021 11:43 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:50 FT



LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 152	E

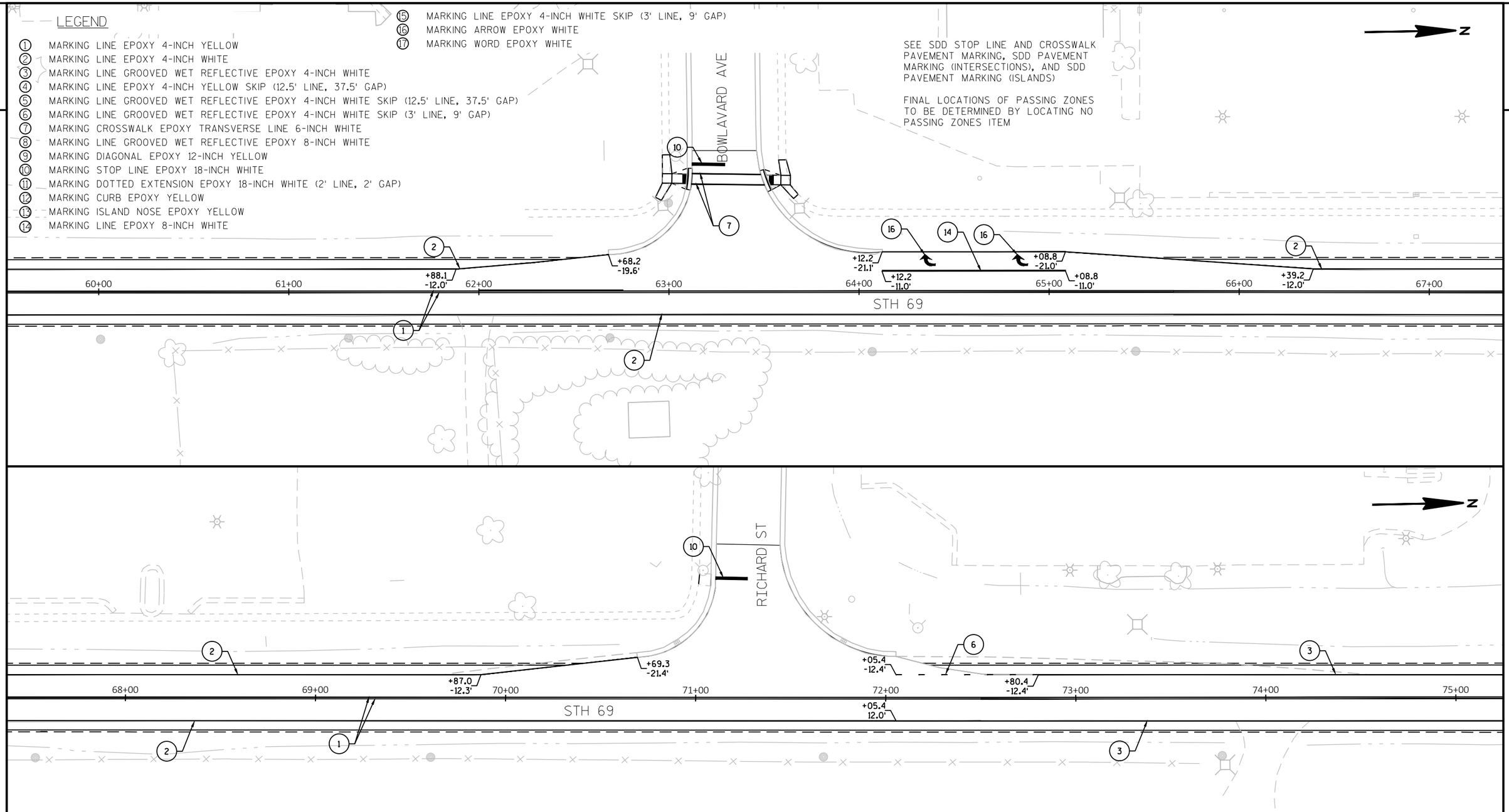
2

LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

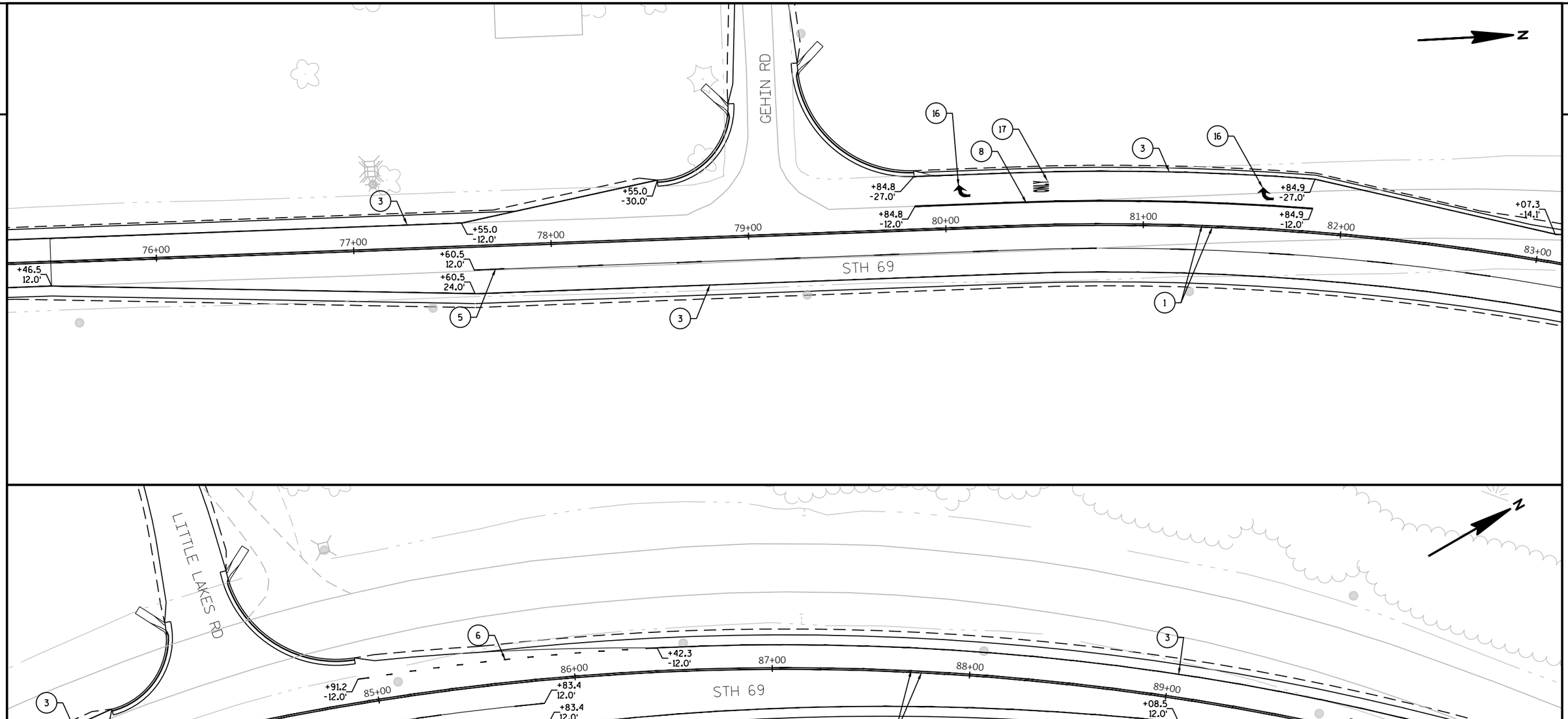
FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 153	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024503
PLOT DATE : 7/30/2021 11:44 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2



LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM

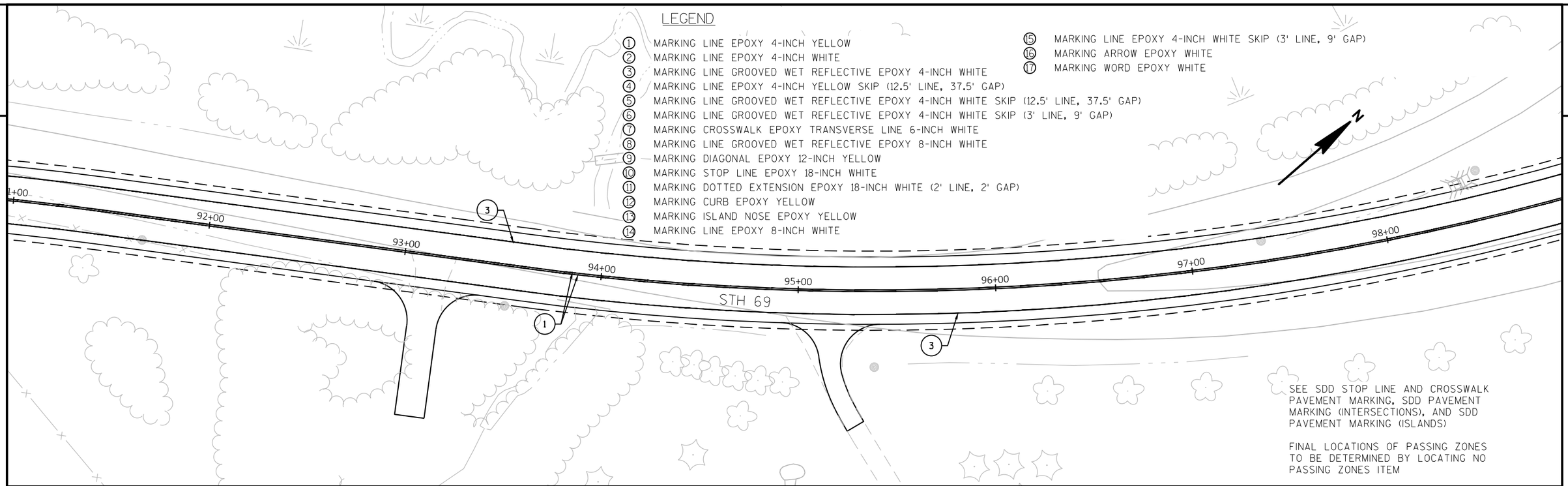
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 154	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024504
PLOT DATE : 7/30/2021 11:44 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

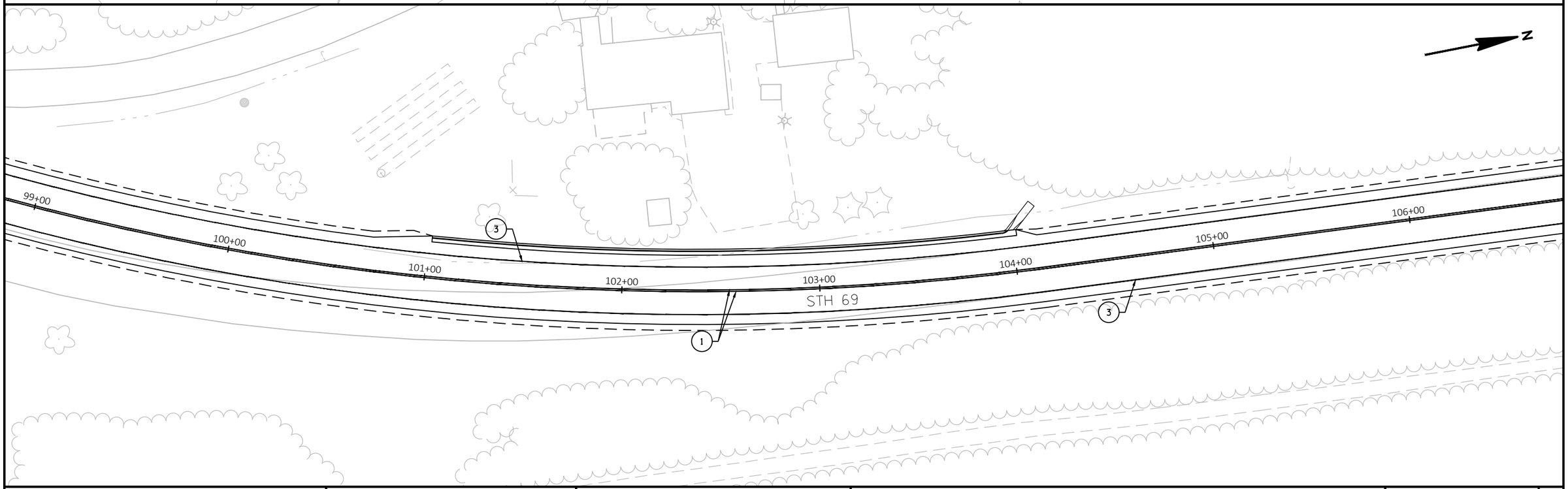
LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE



SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM



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PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 155	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024505

PLOT DATE : 7/30/2021 11:44 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:50 FT

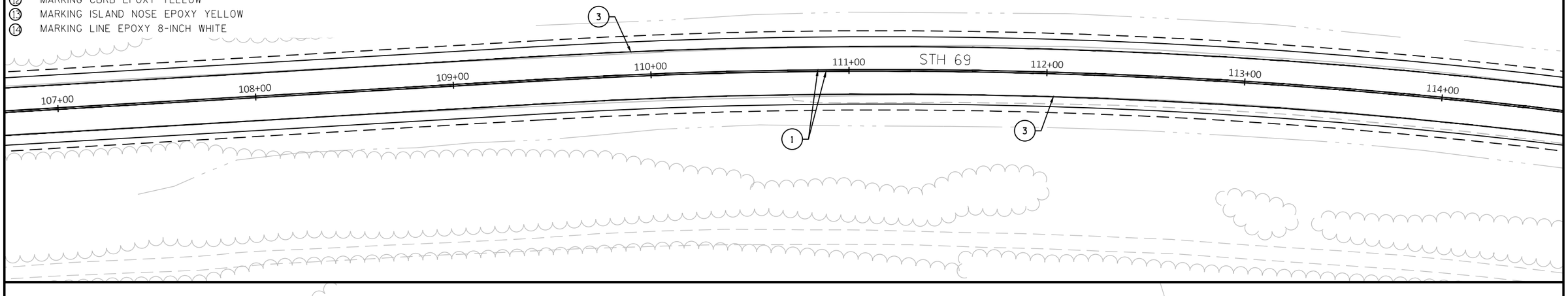
2

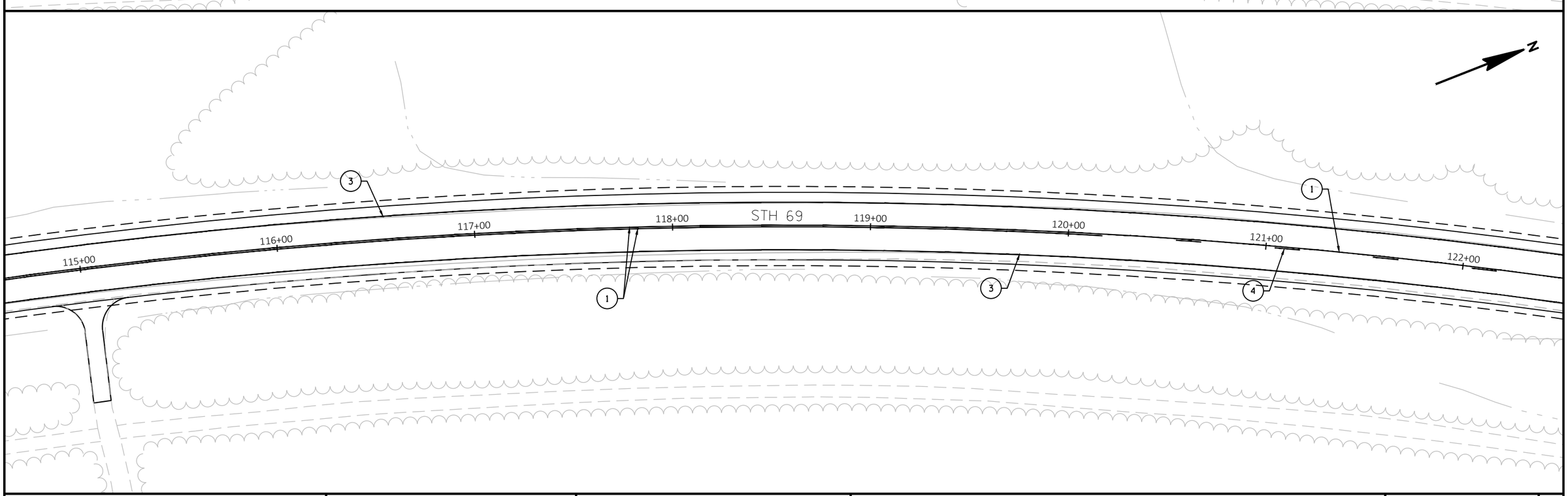
LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM





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PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 156	E

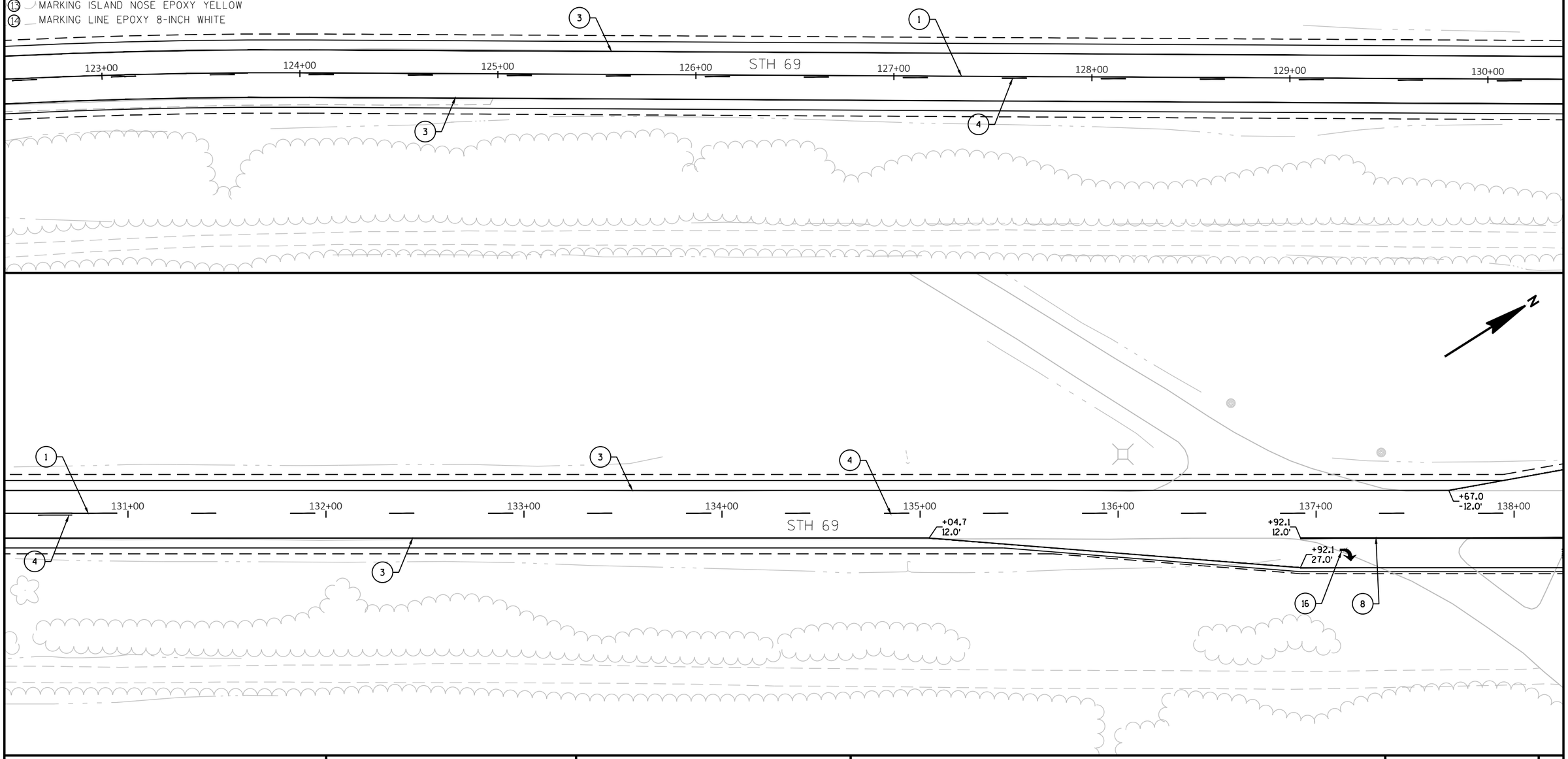
2

LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

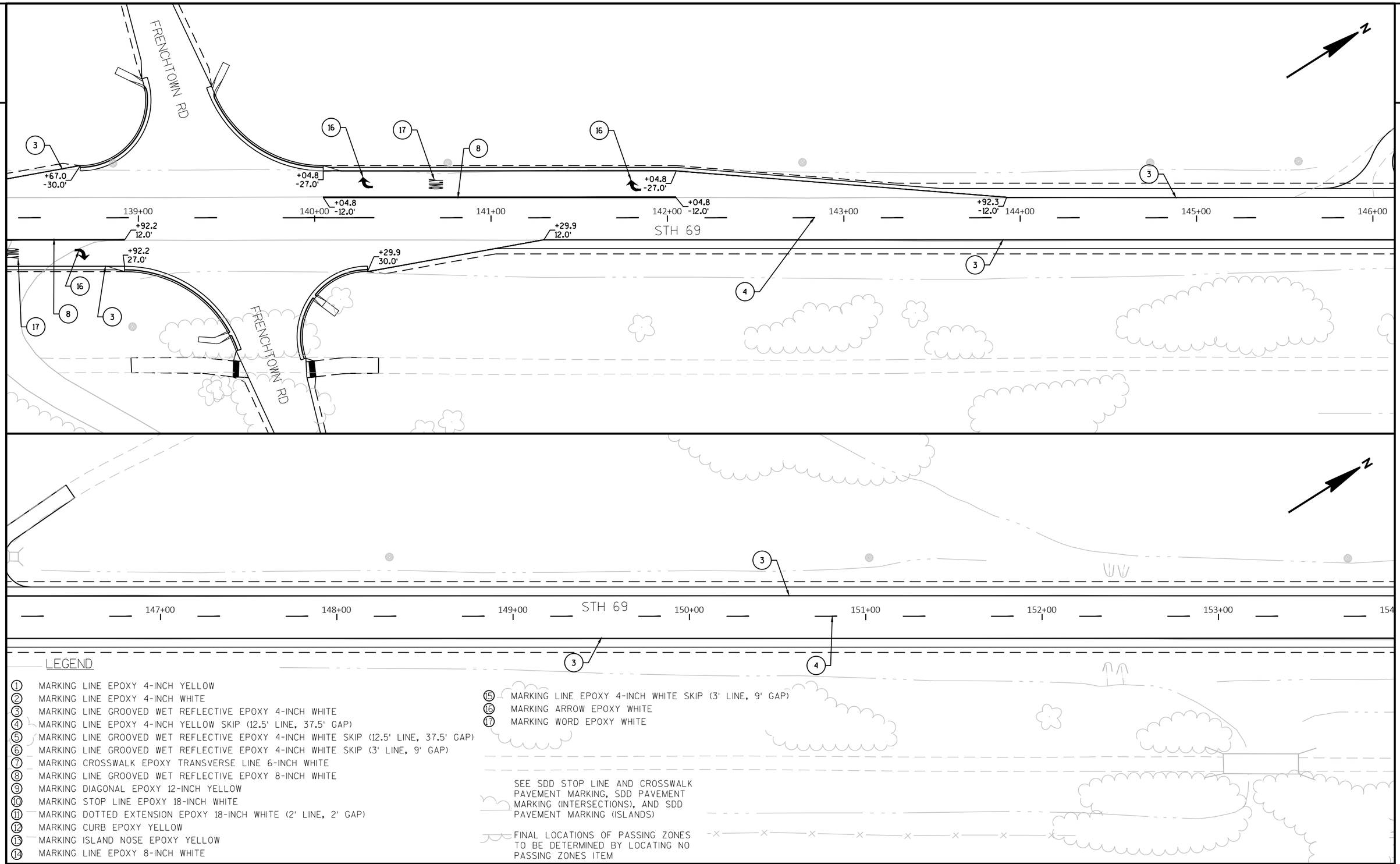
SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 157	E

2



LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 158	E

2

LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
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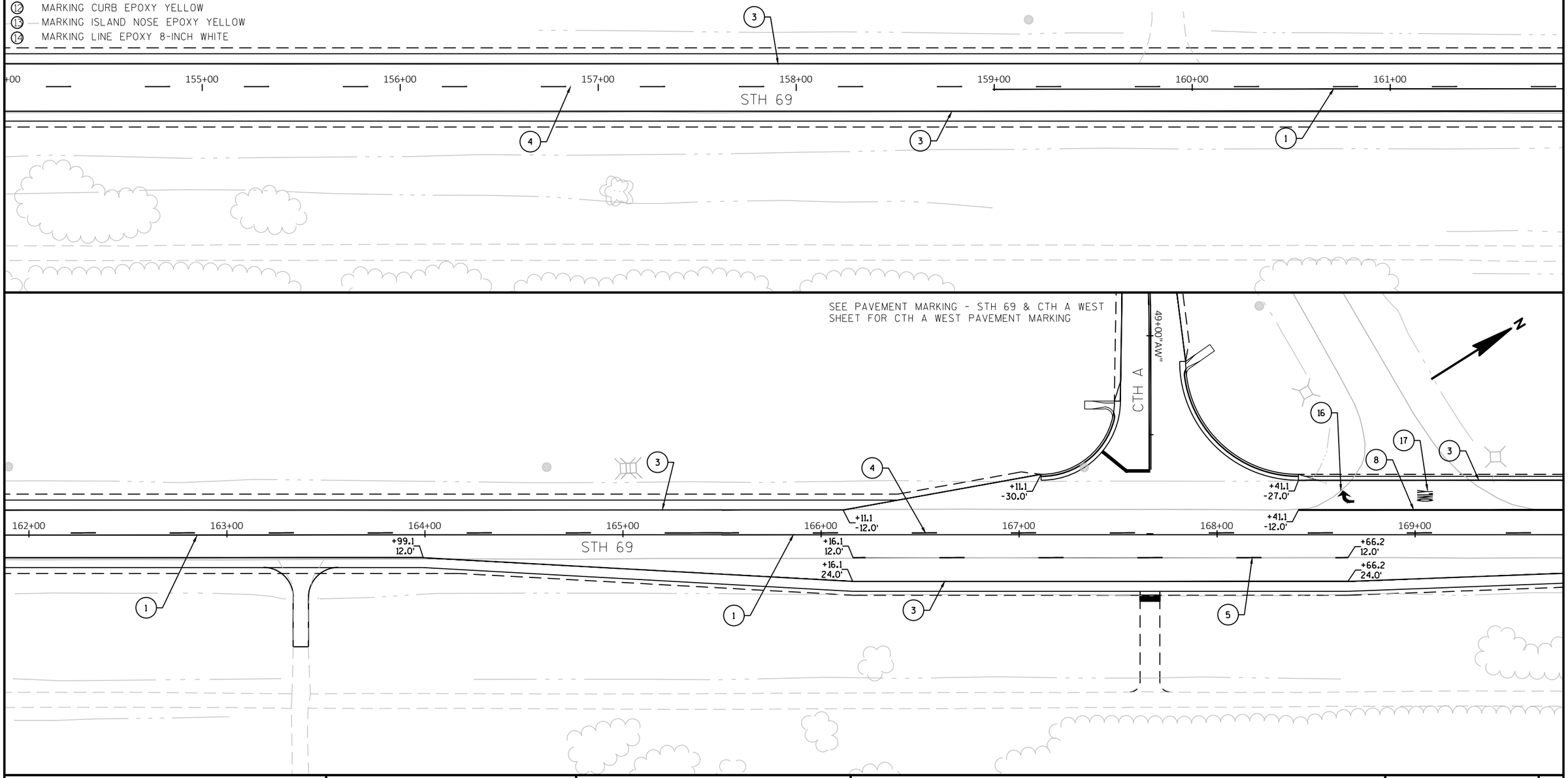
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 159	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024509

PLOT DATE : 7/30/2021 11:46 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:50 FT

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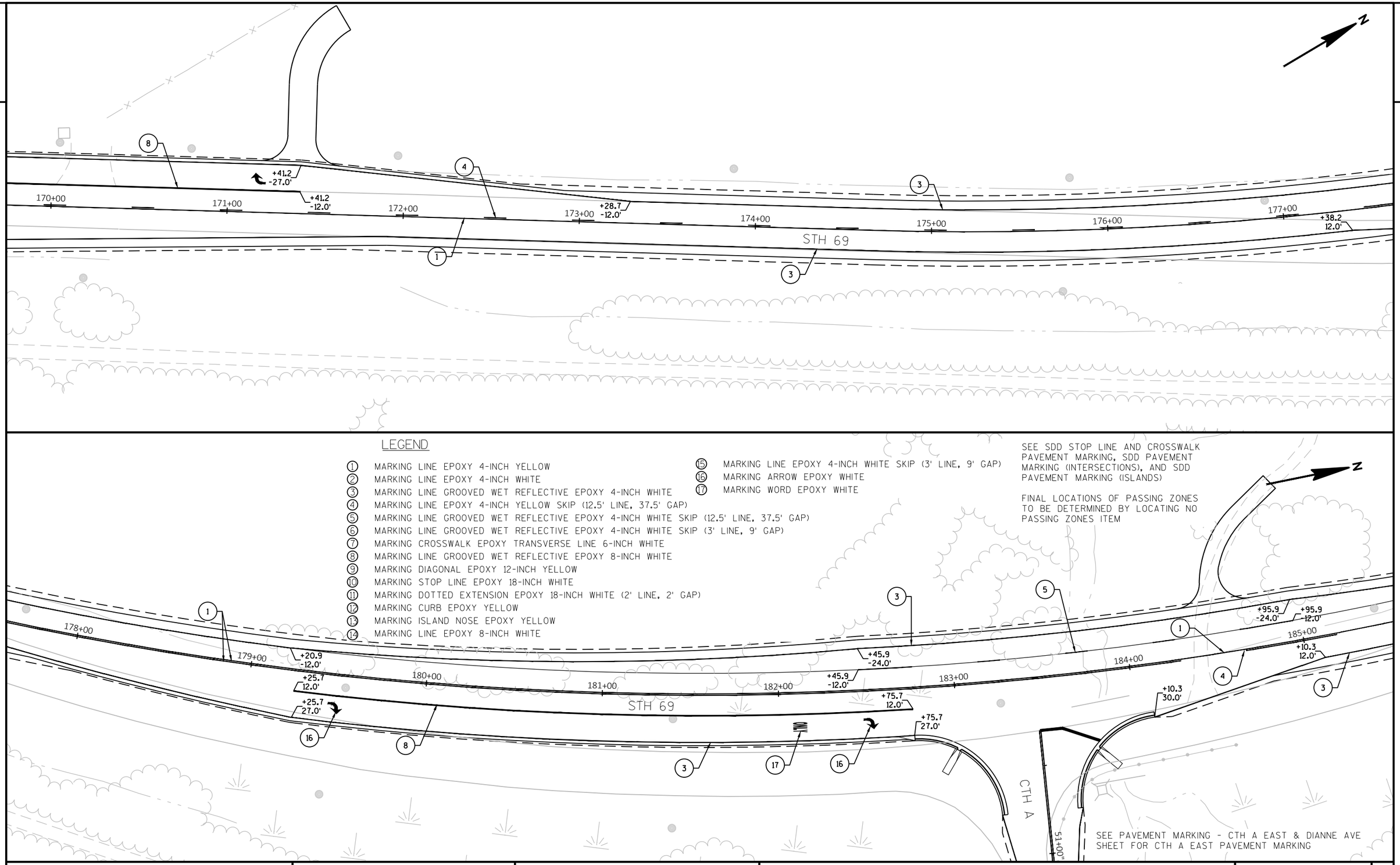


LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

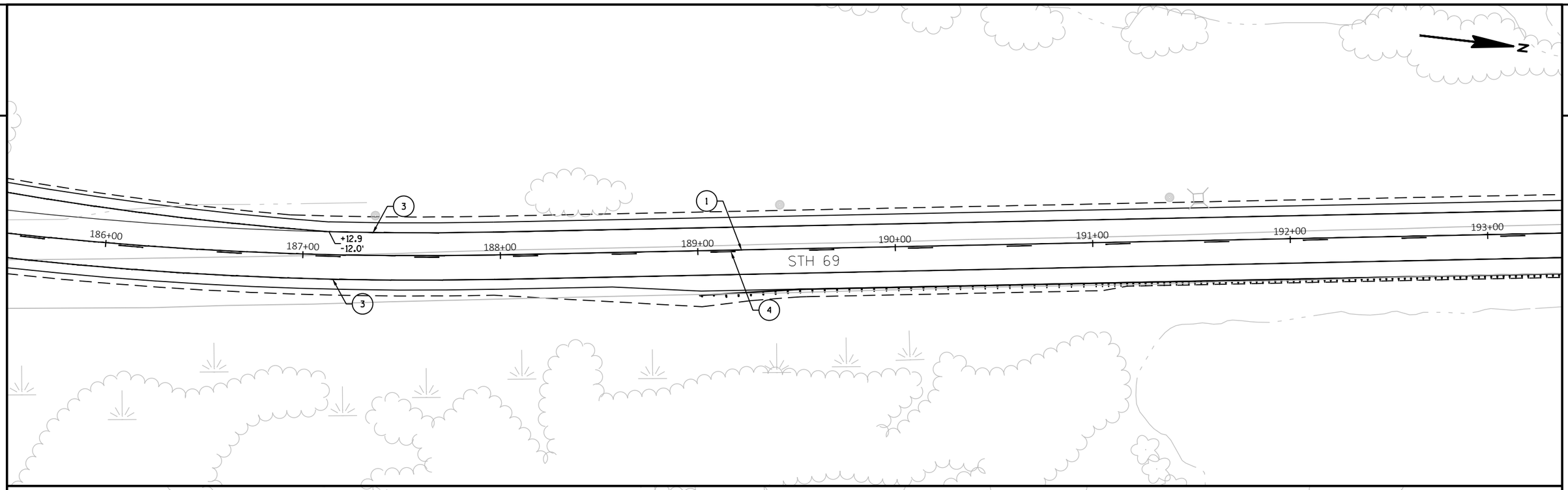
FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM

SEE PAVEMENT MARKING - CTH A EAST & DIANNE AVE SHEET FOR CTH A EAST PAVEMENT MARKING

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 160	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024510
PLOT DATE : 7/30/2021 11:46 AM
PLOT BY : BRAD GROH
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

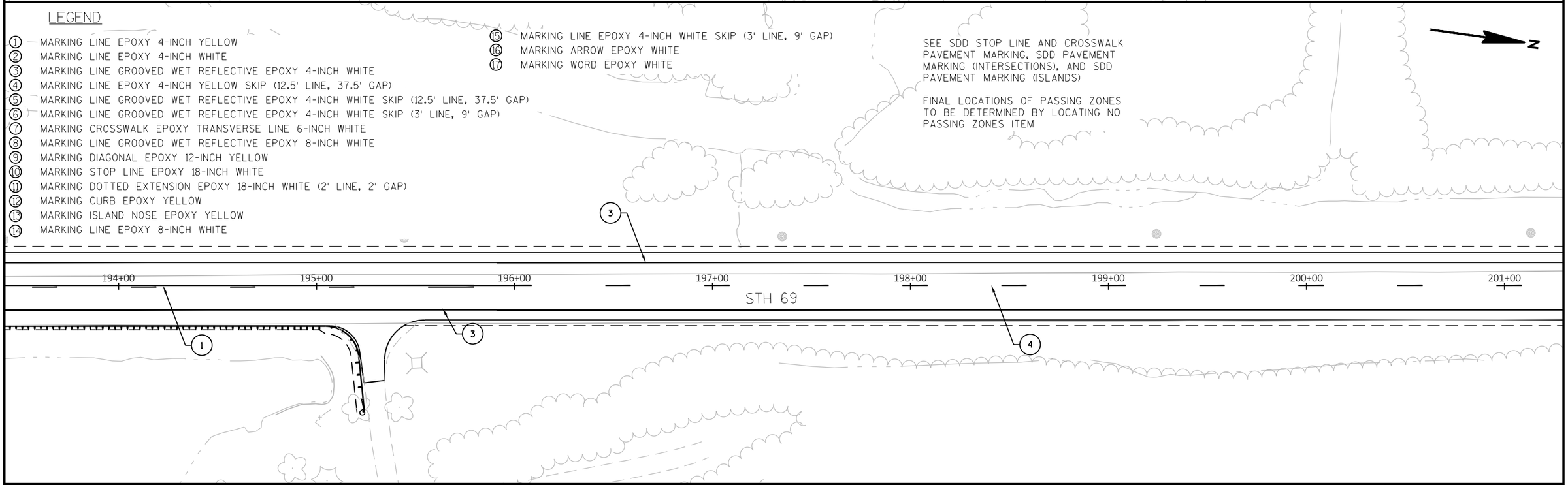


LEGEND

① MARKING LINE EPOXY 4-INCH YELLOW
② MARKING LINE EPOXY 4-INCH WHITE
③ MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
④ MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
⑤ MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
⑥ MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
⑦ MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
⑧ MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
⑨ MARKING DIAGONAL EPOXY 12-INCH YELLOW
⑩ MARKING STOP LINE EPOXY 18-INCH WHITE
⑪ MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
⑫ MARKING CURB EPOXY YELLOW
⑬ MARKING ISLAND NOSE EPOXY YELLOW
⑭ MARKING LINE EPOXY 8-INCH WHITE
⑮ MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
⑯ MARKING ARROW EPOXY WHITE
⑰ MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 161	E

2

LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
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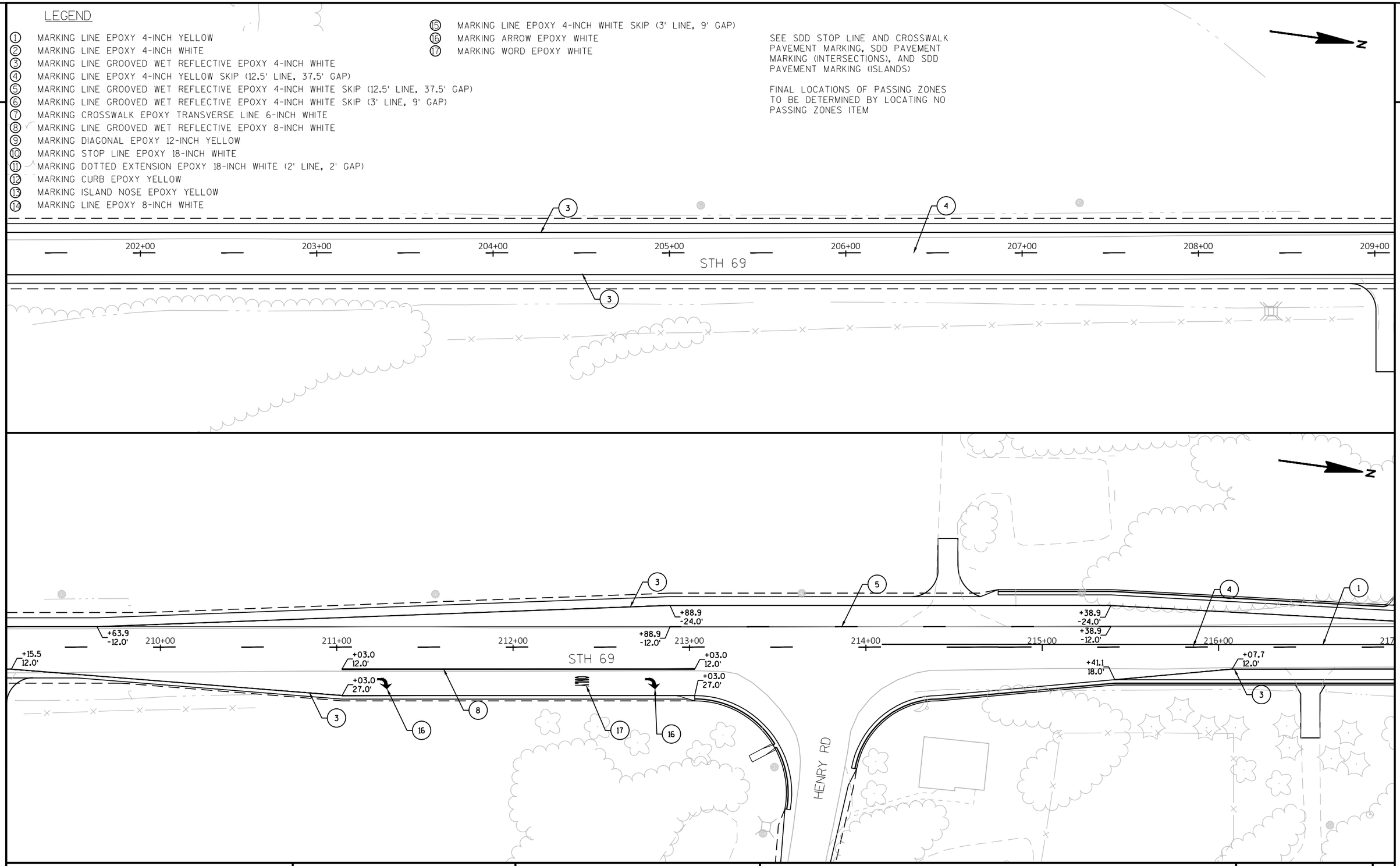
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM



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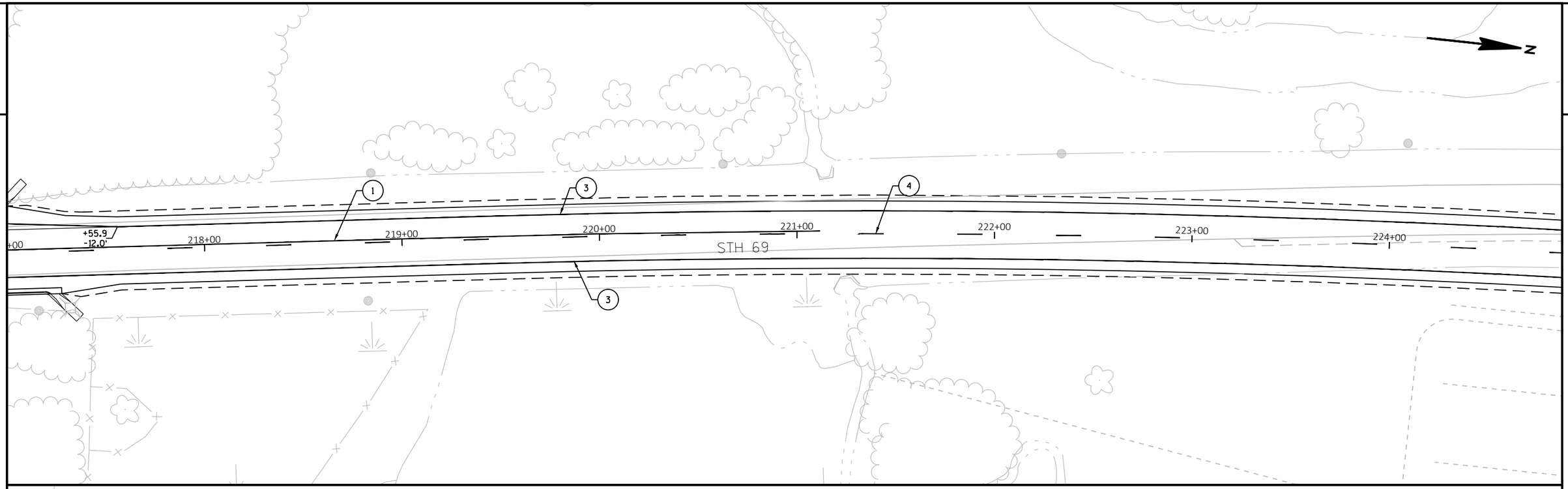
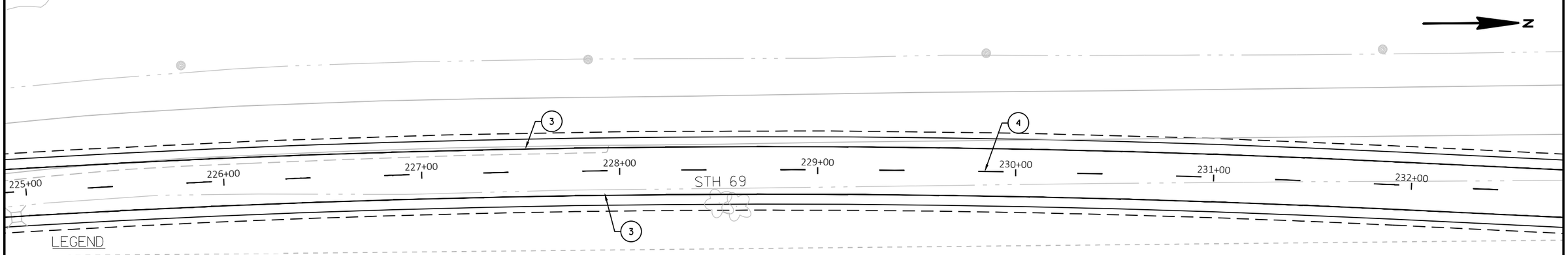
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 162	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024512

PLOT DATE : 7/30/2021 11:47 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44





LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
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9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 163	E

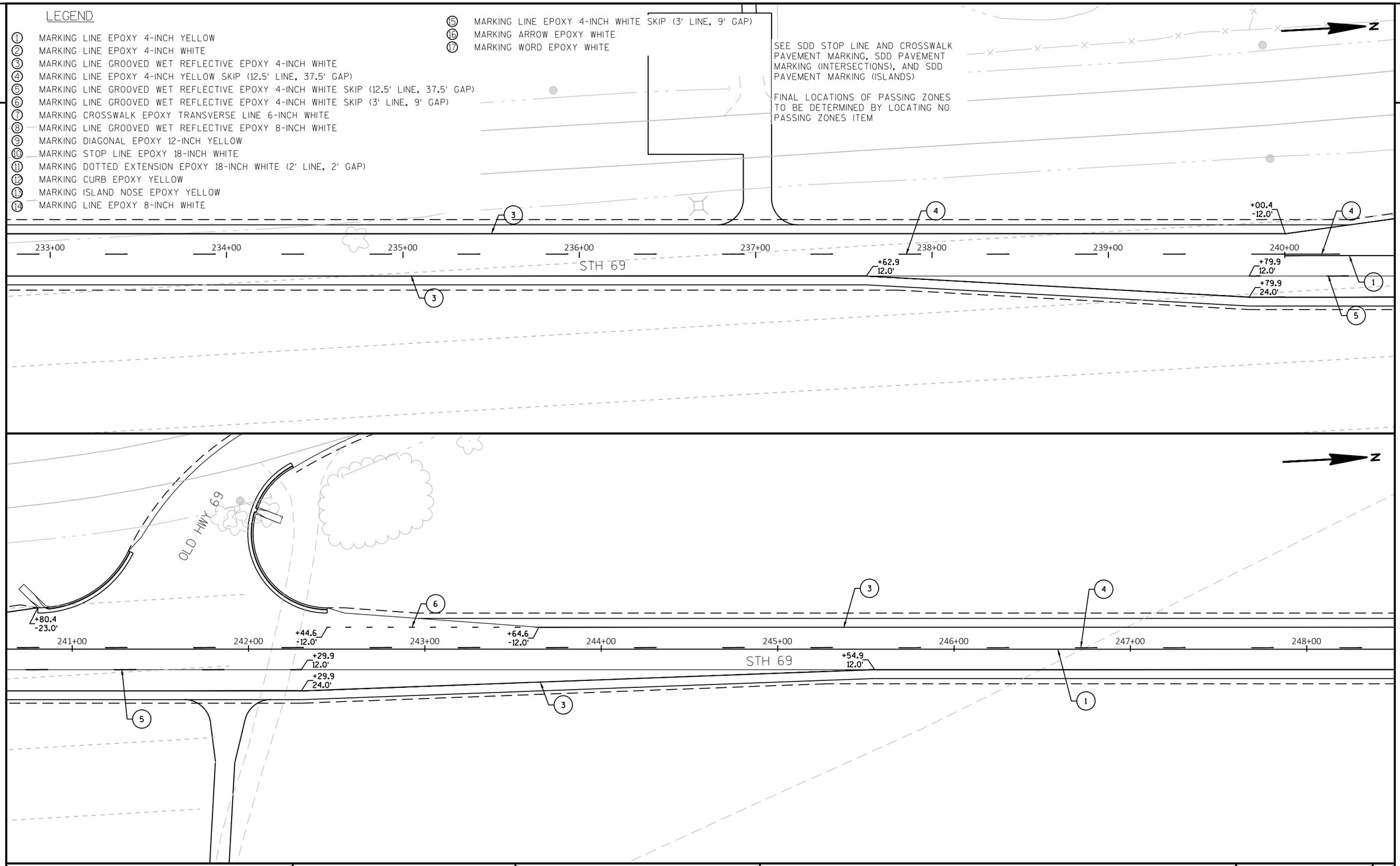
2

LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM



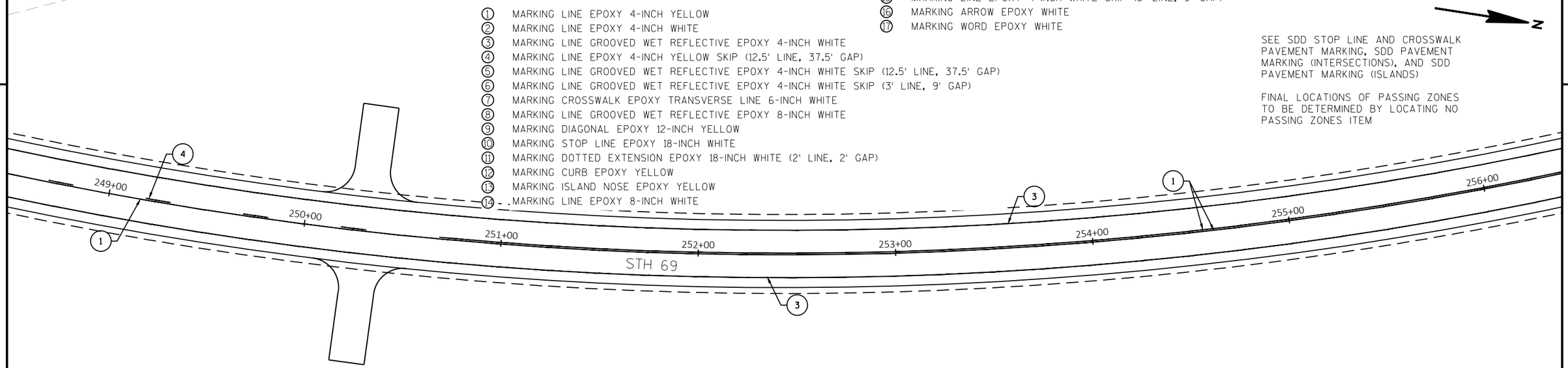
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 164	E

LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 165	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024515

PLOT DATE : 7/30/2021 11:48 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:50 FT

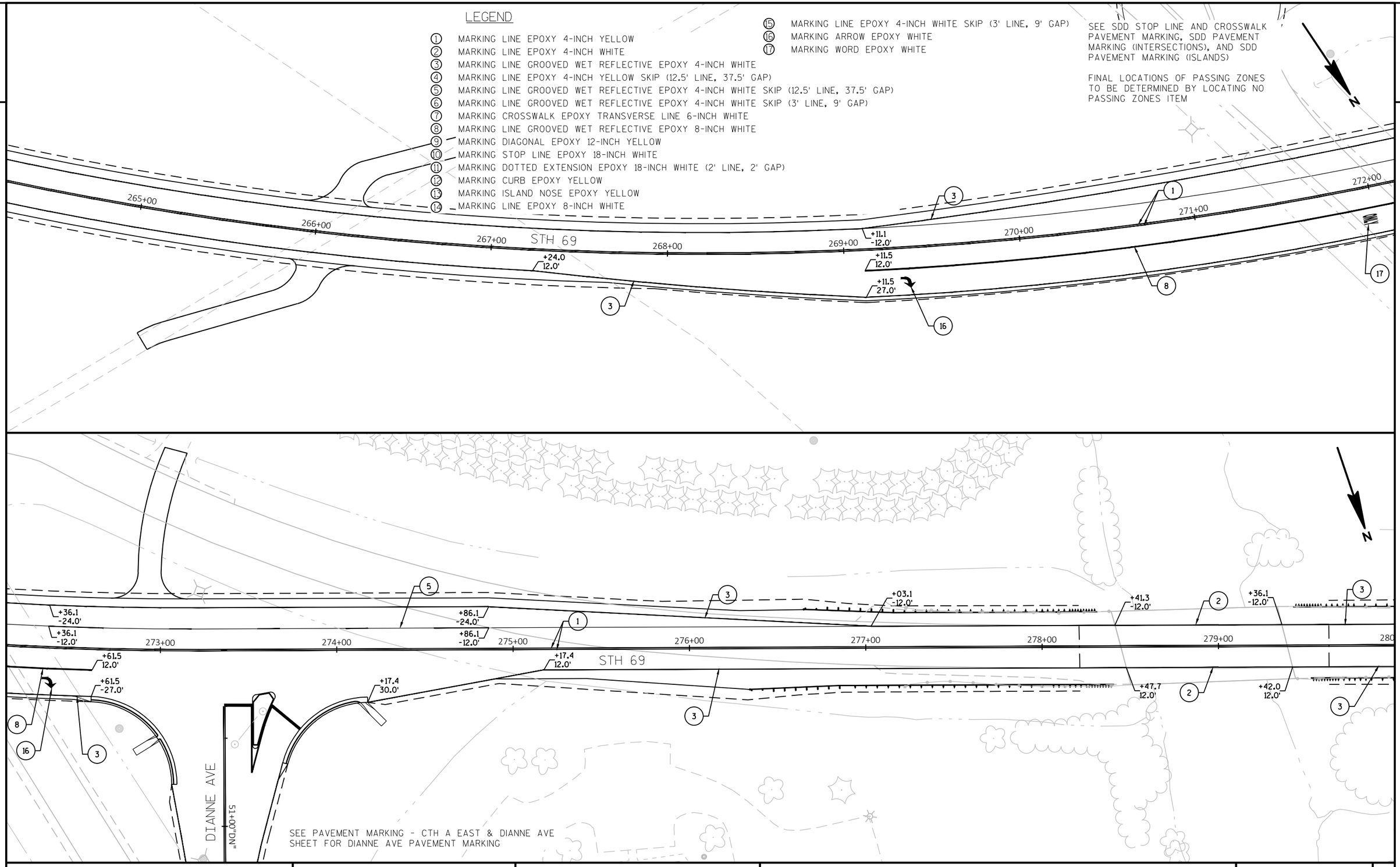
WISDOT/CADDS SHEET 44

LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 166	E

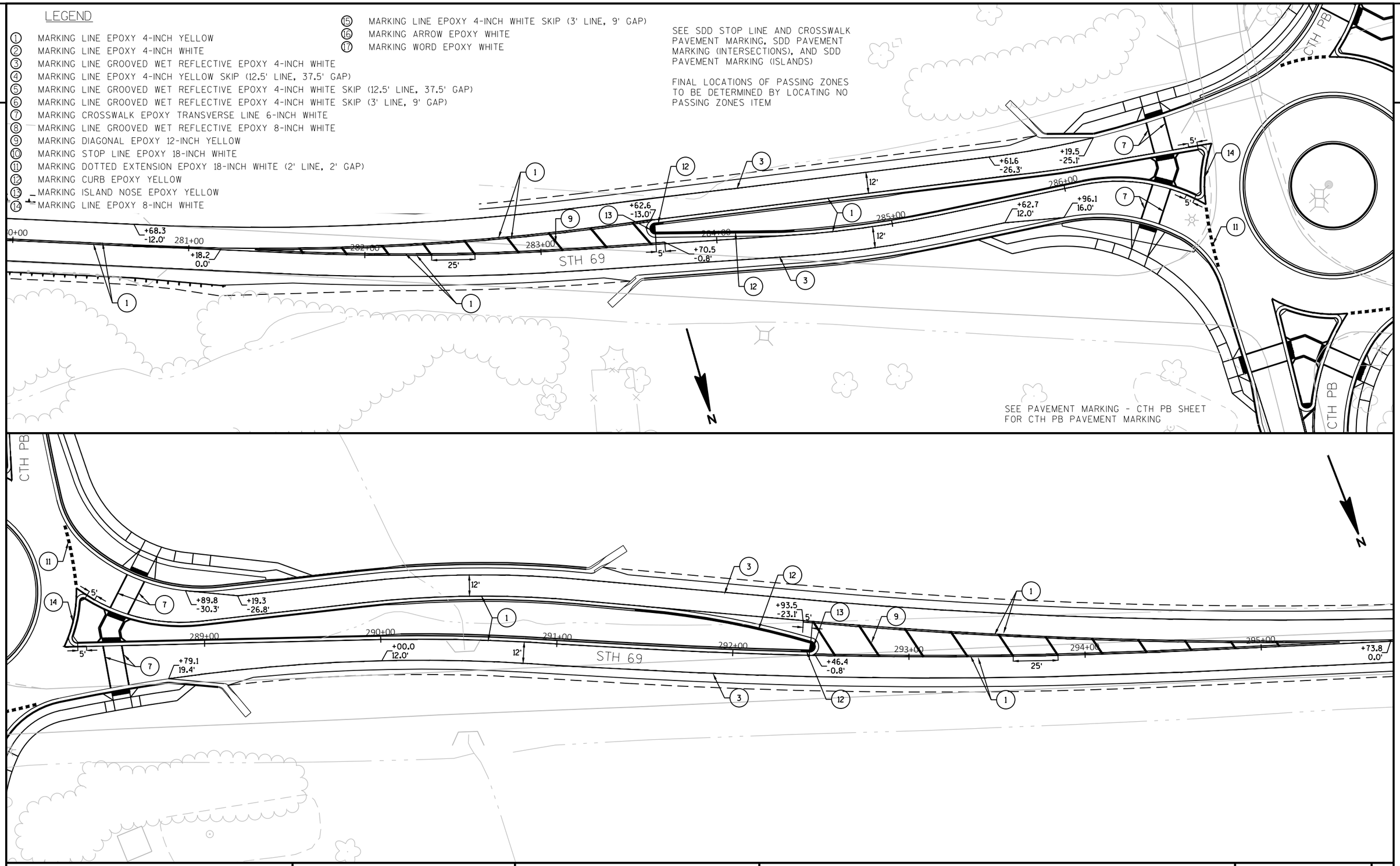
FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024516
PLOT DATE : 7/30/2021 11:48 AM
PLOT BY : BRAD GROH
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 167	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024517

PLOT DATE : 7/30/2021 11:49 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

LEGEND

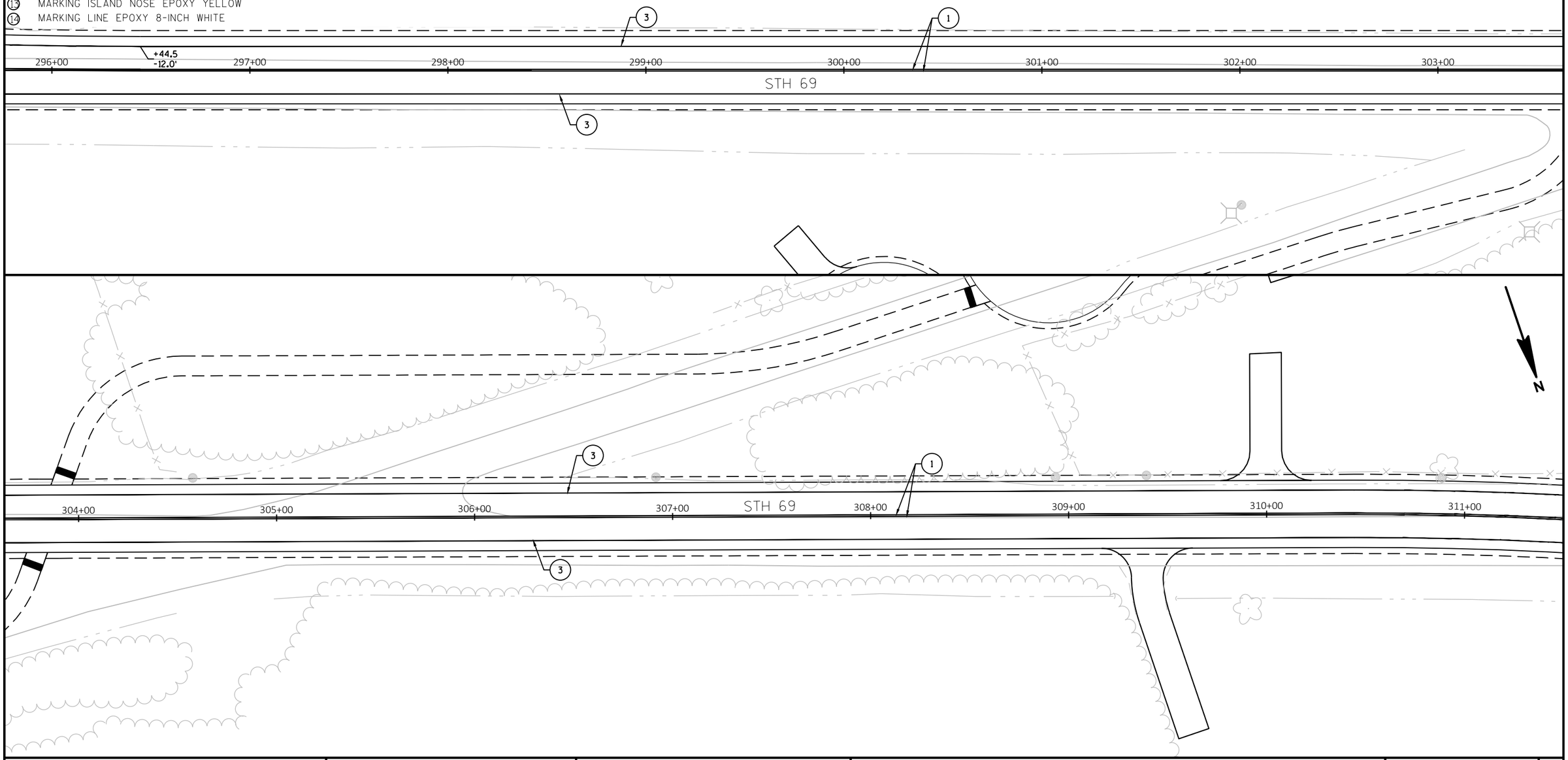
1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM

N

2



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 168	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024518

PLOT DATE : 7/30/2021 11:49 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:50 FT

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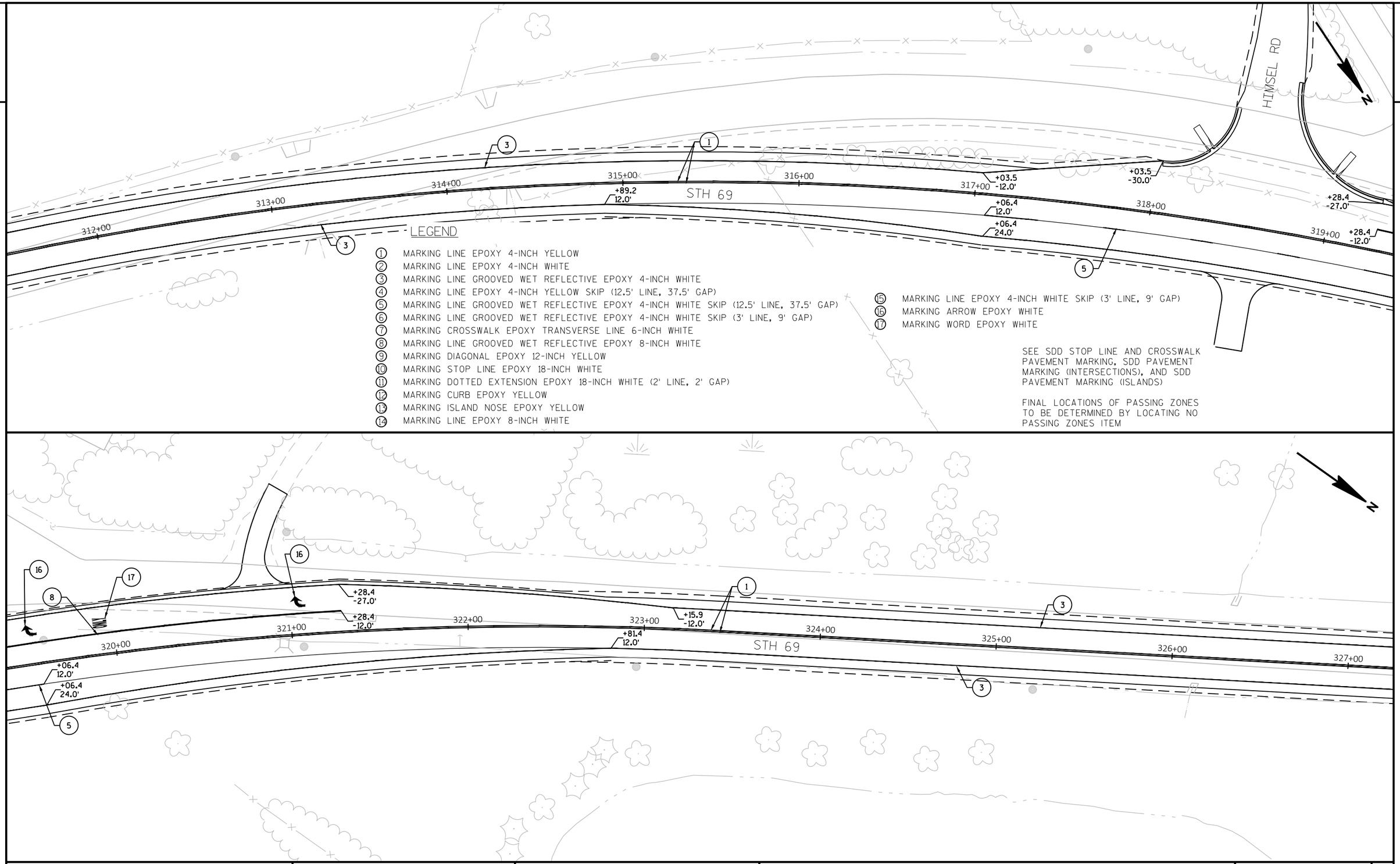


LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 169	E

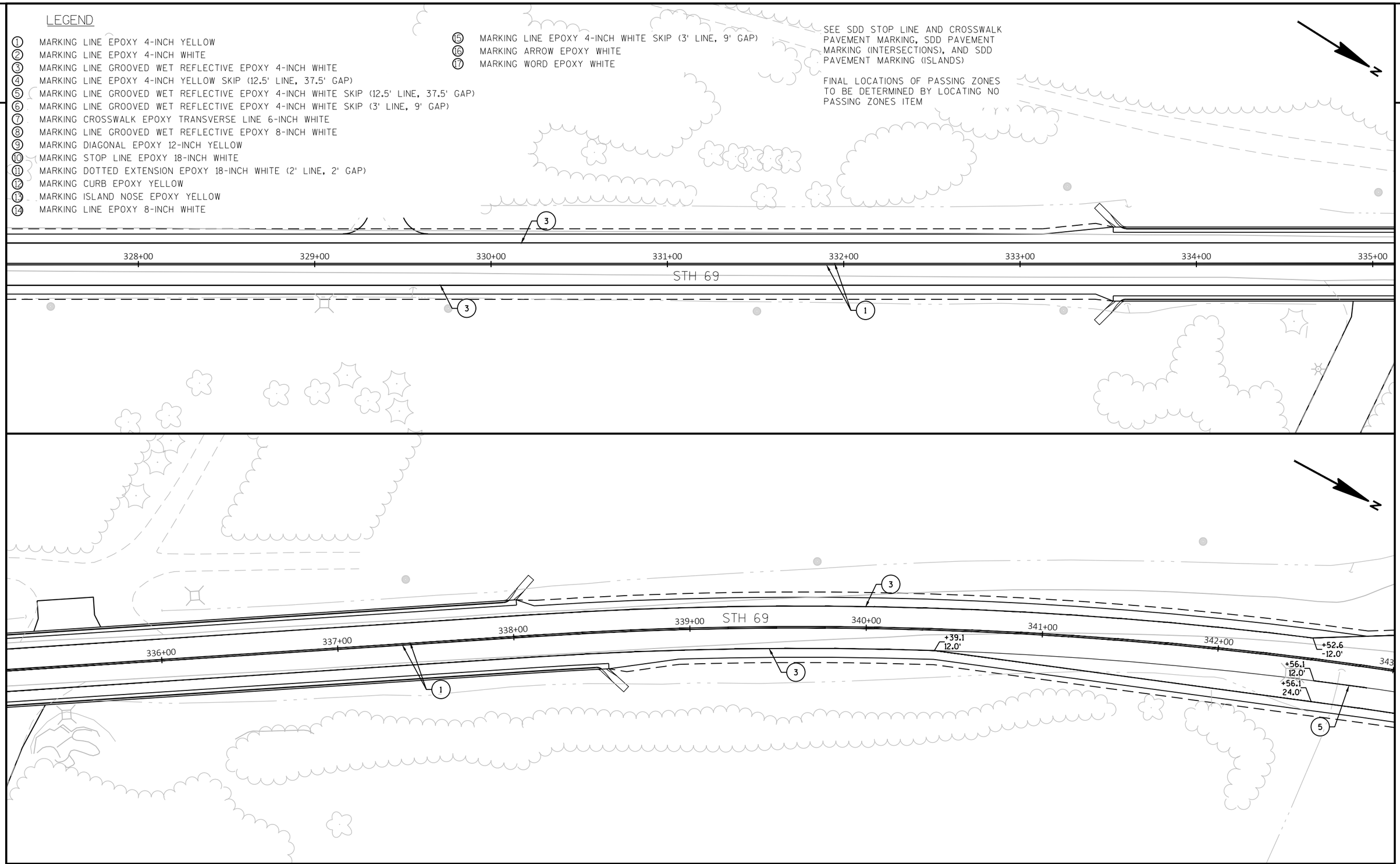
2

LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

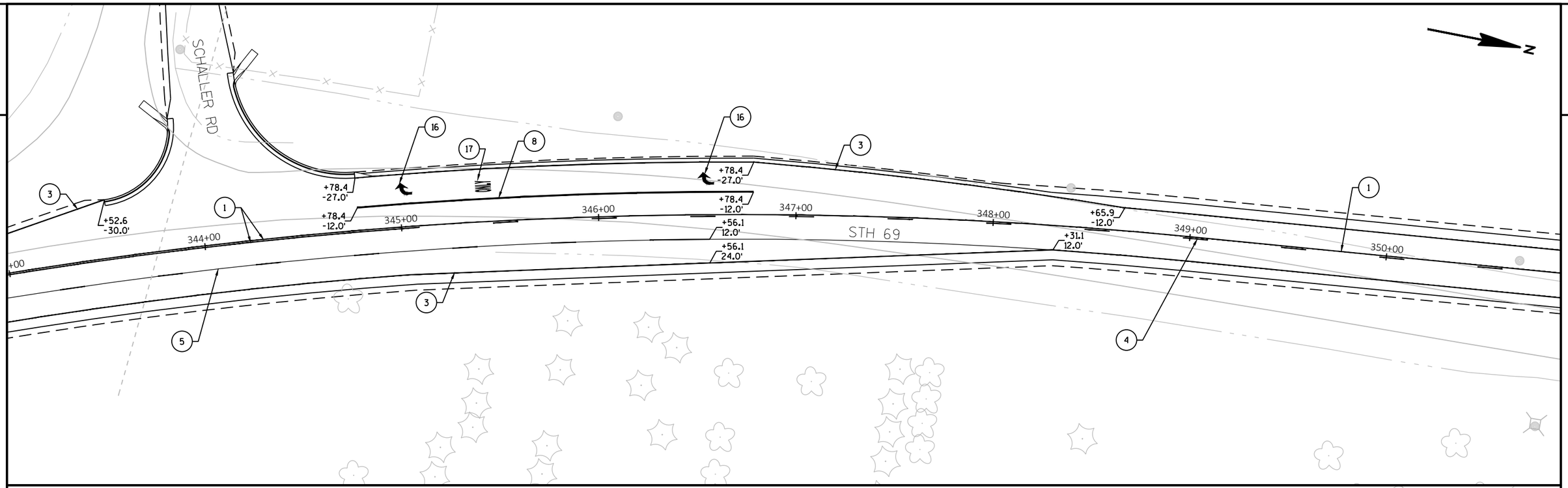
FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM

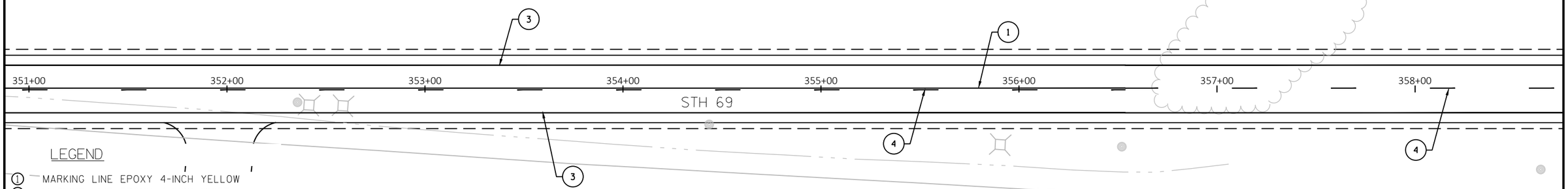


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 170	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024520

PLOT DATE : 7/30/2021 11:50 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:50 FT





LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM

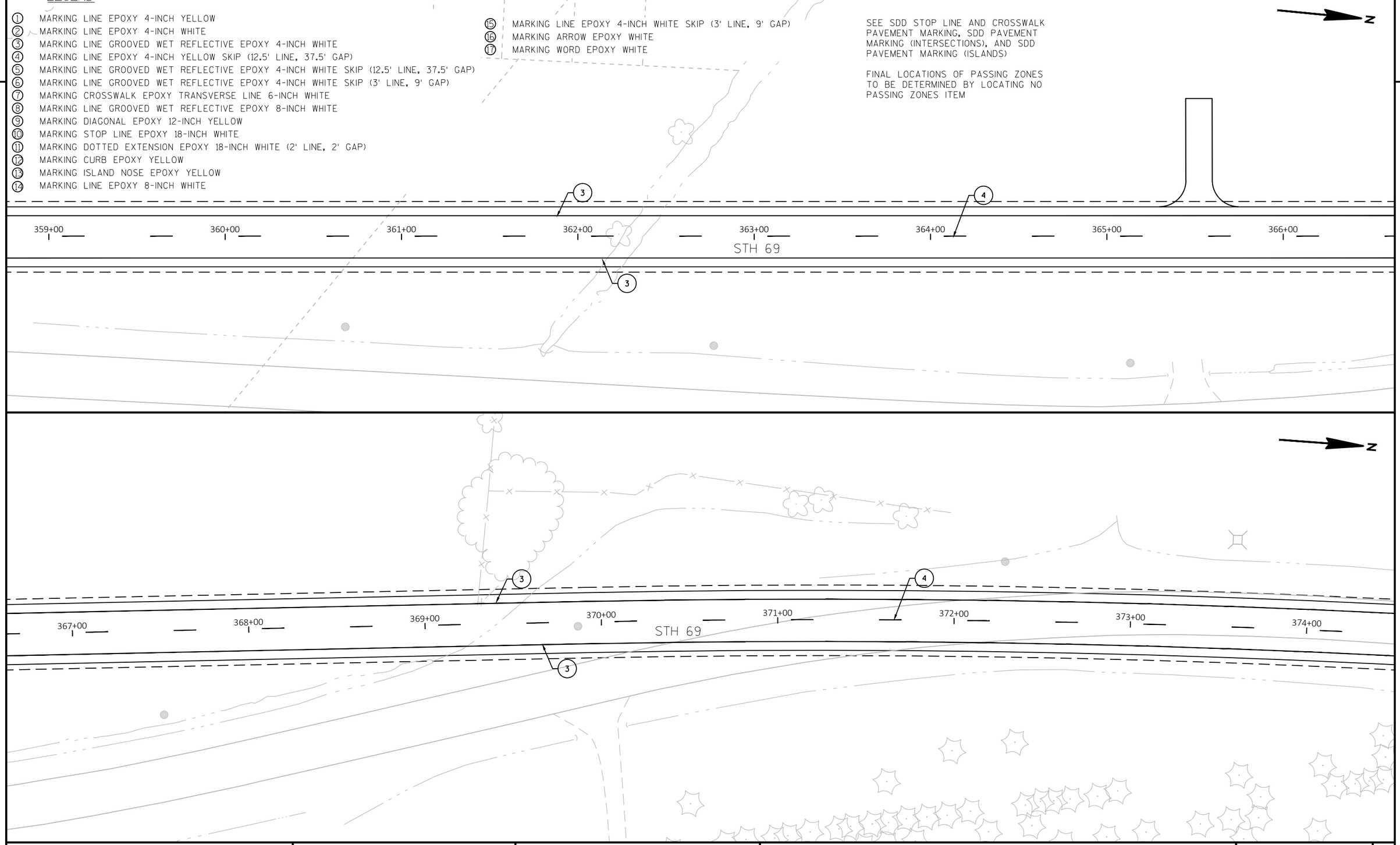
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 171	E

LEGEND

① MARKING LINE EPOXY 4-INCH YELLOW
② MARKING LINE EPOXY 4-INCH WHITE
③ MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
④ MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
⑤ MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
⑥ MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
⑦ MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
⑧ MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
⑨ MARKING DIAGONAL EPOXY 12-INCH YELLOW
⑩ MARKING STOP LINE EPOXY 18-INCH WHITE
⑪ MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
⑫ MARKING CURB EPOXY YELLOW
⑬ MARKING ISLAND NOSE EPOXY YELLOW
⑭ MARKING LINE EPOXY 8-INCH WHITE
⑮ MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
⑯ MARKING ARROW EPOXY WHITE
⑰ MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM



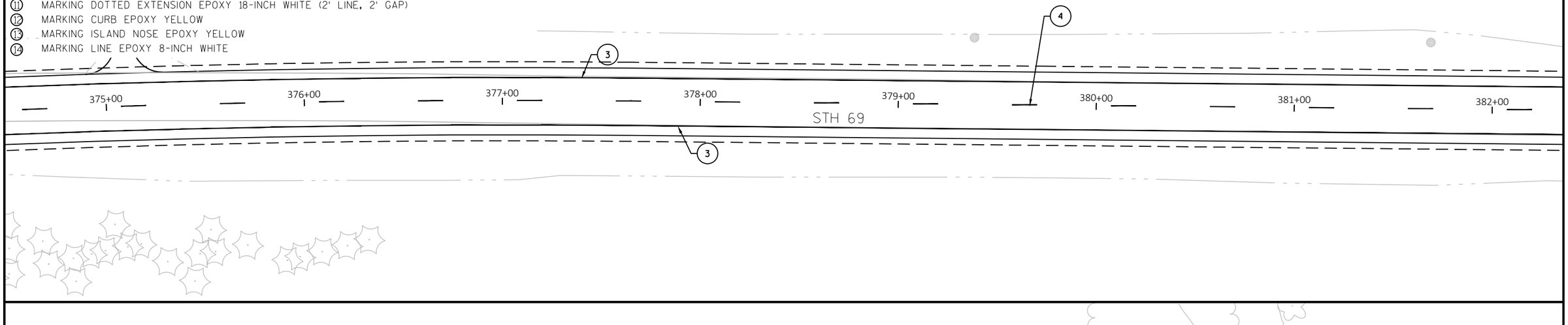
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 172	E

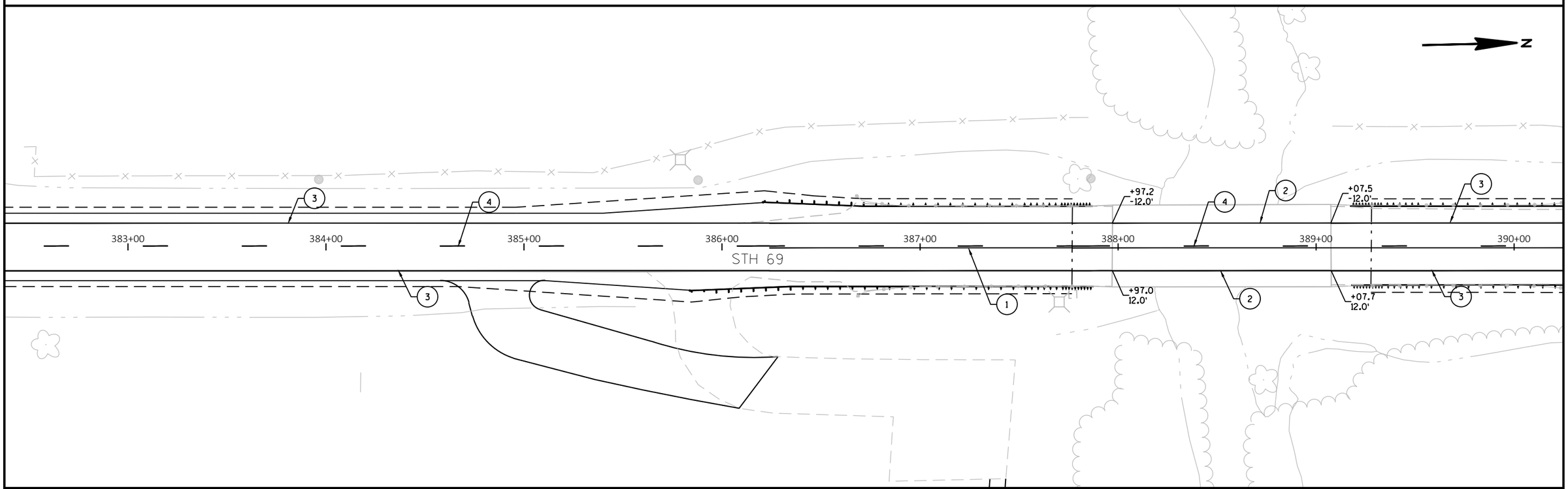
LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM





PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 173	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024523

PLOT DATE : 7/30/2021 11:51 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:50 FT

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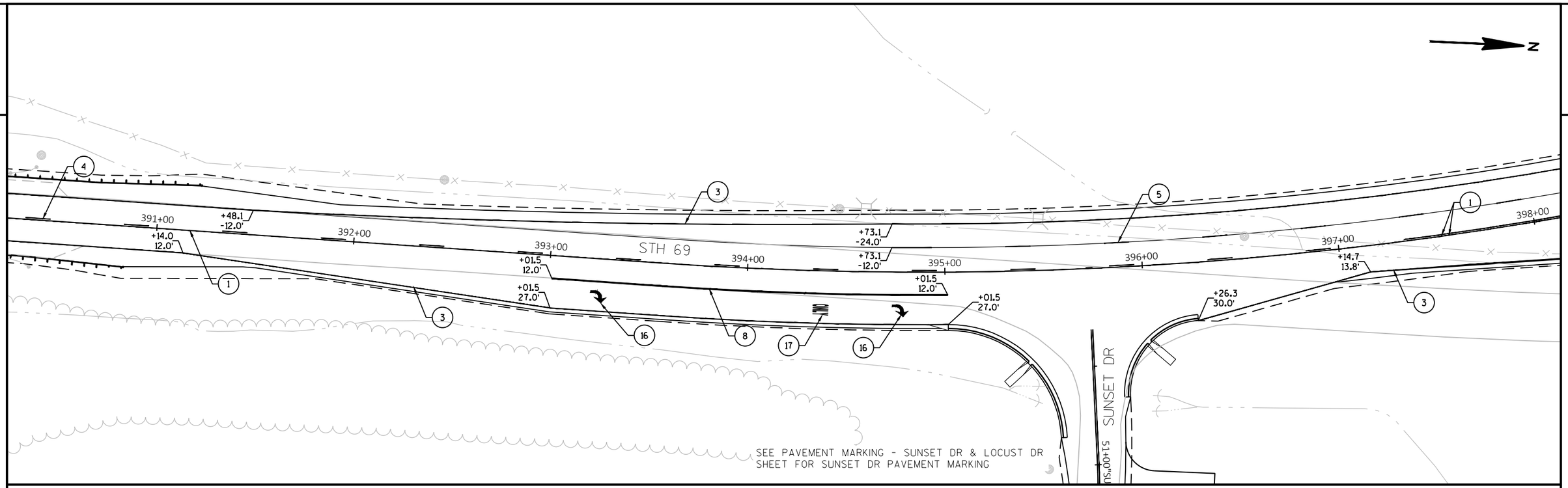
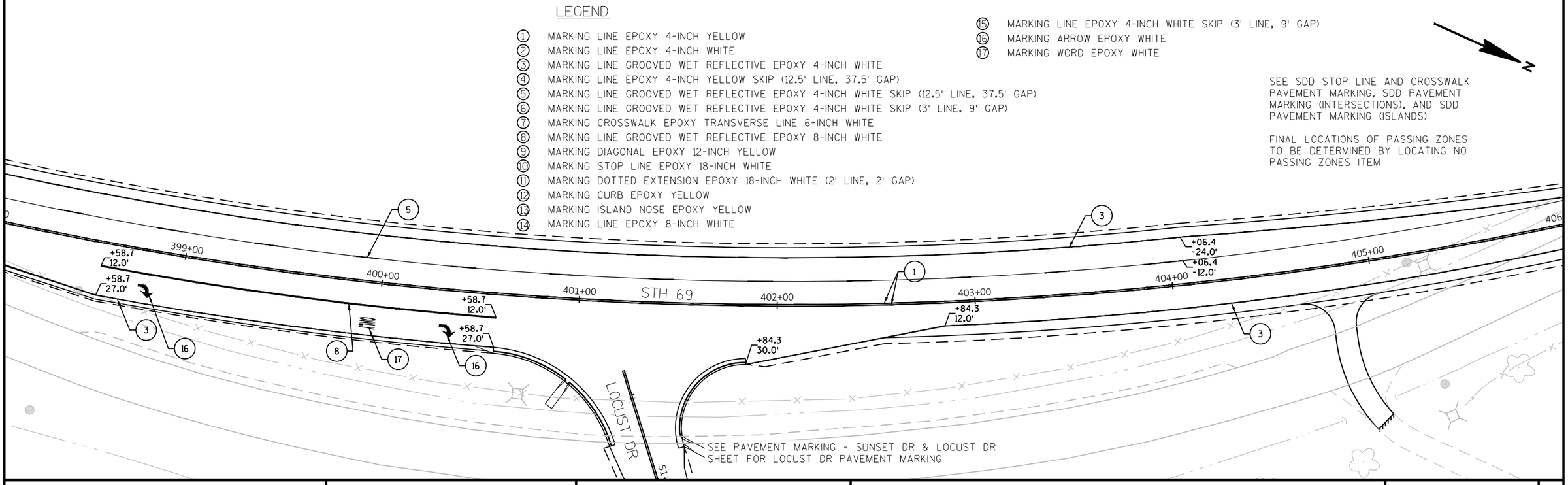


LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

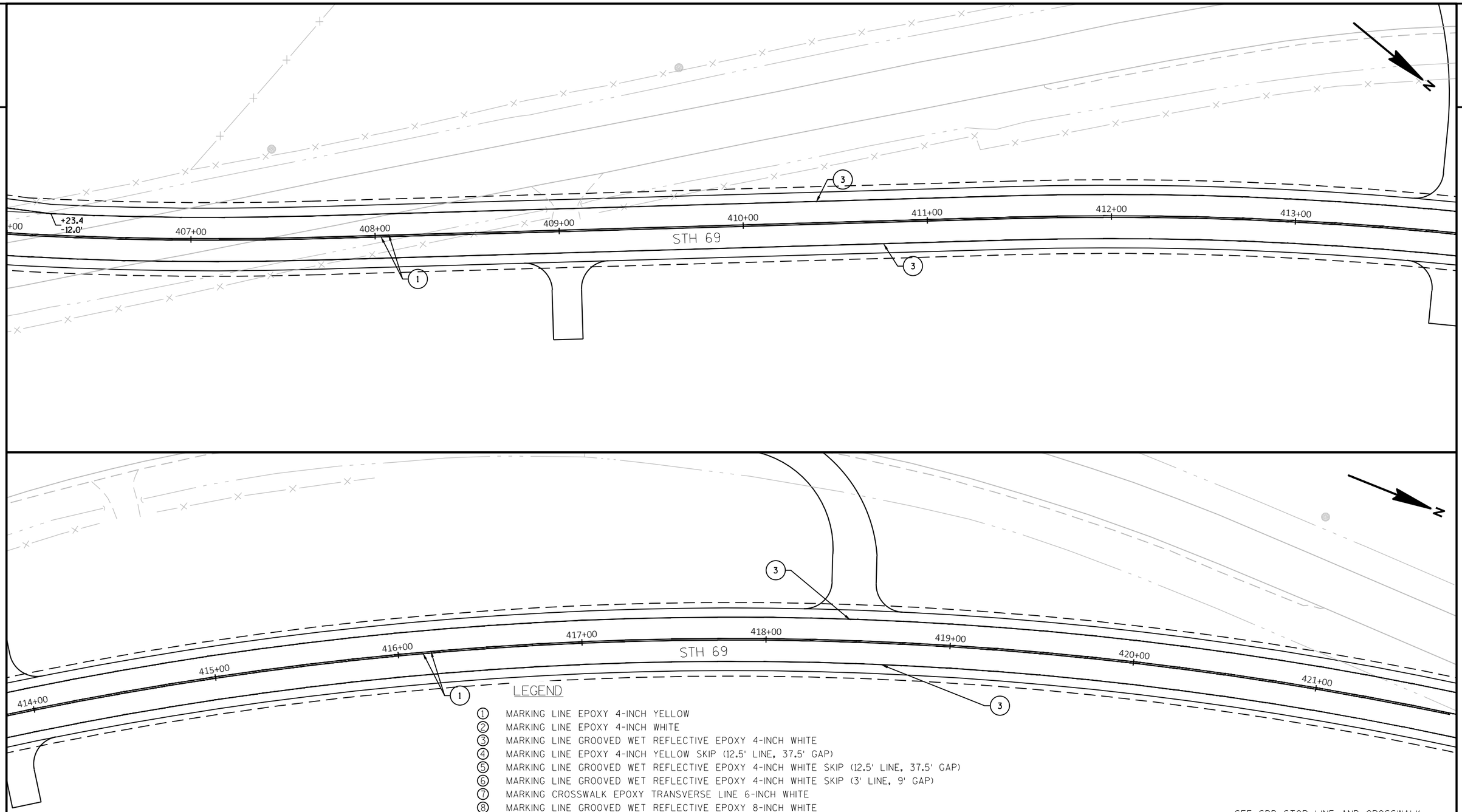
FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 174	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024524
PLOT DATE : 7/30/2021 11:51 AM
PLOT BY : BRAD GROH
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2



2

LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

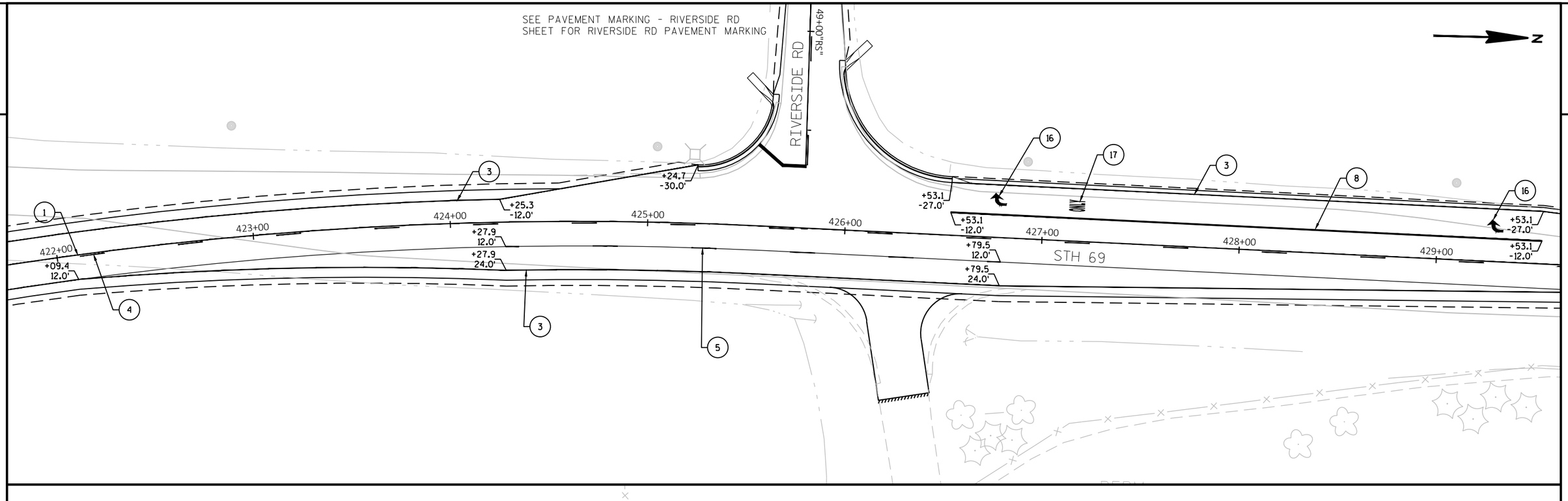
SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

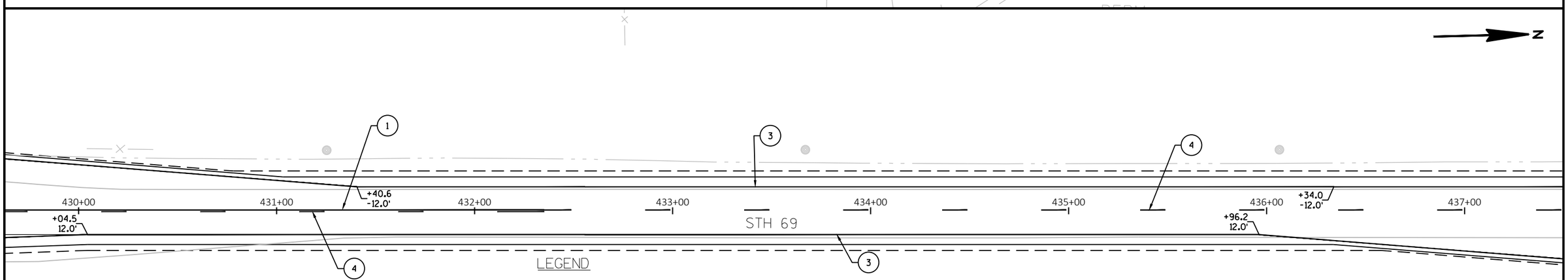
FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 175	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024525
PLOT DATE : 7/30/2021 11:51 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

SEE PAVEMENT MARKING - RIVERSIDE RD
SHEET FOR RIVERSIDE RD PAVEMENT MARKING





LEGEND

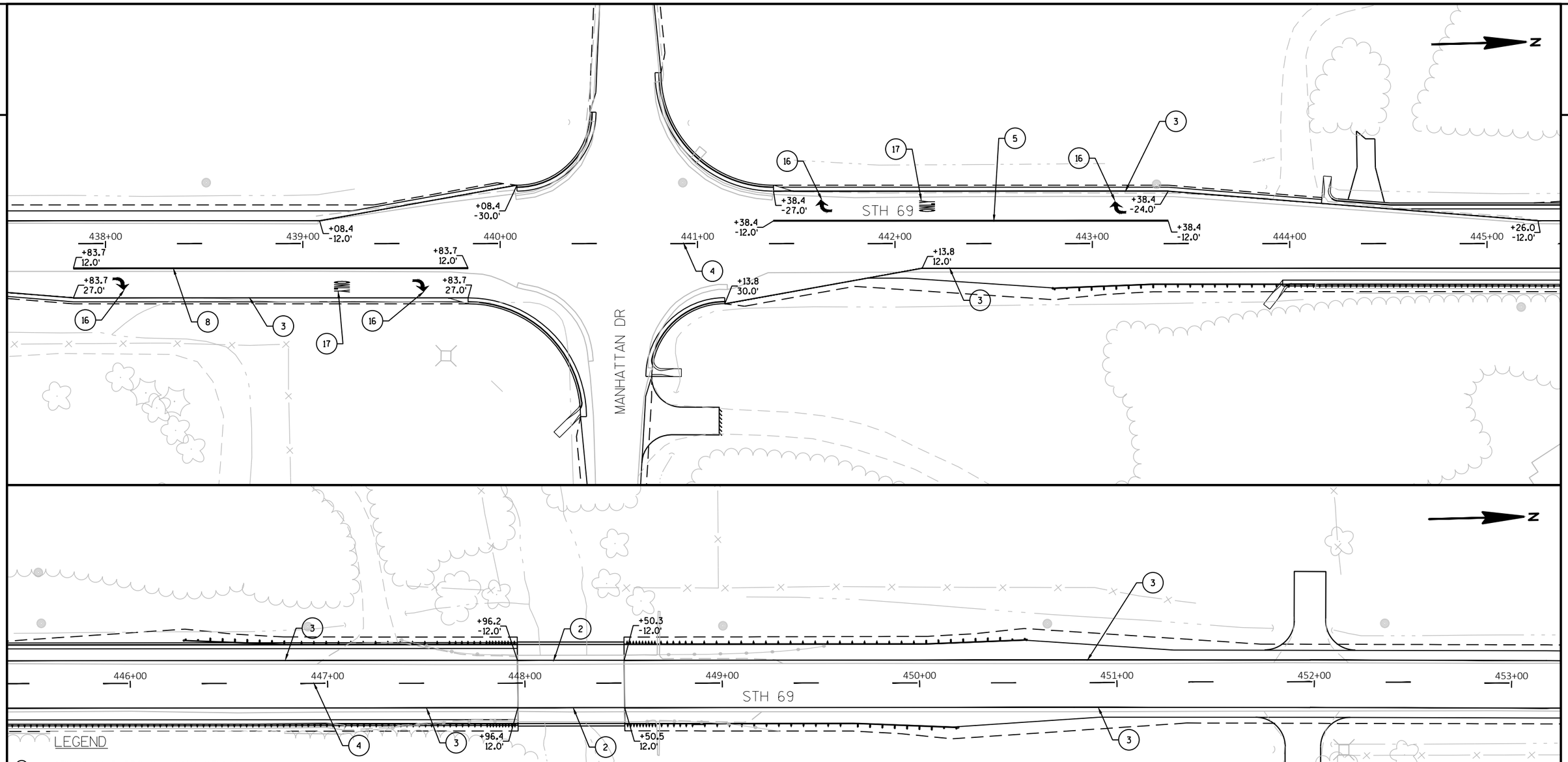
1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 176	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024526
PLOT DATE : 7/30/2021 11:52 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69	SHEET 177	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024527
PLOT DATE : 7/30/2021 11:52 AM
PLOT BY : BRAD GROH
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
7. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
8. MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM

N

452+00 453+00 454+00 455+00 456+00 457+00 458+00

STH 69

+00.0 -12.0'
+00.0 0.0'
+00.0 12.0'

CTH A

45+00"AW" 46+00"AW" 47+00"AW" 48+00"AW" 49+00"AW"

+30.8 -11.2'
+51.8 -12.0'
+30.8 0.0'
+60.6 12.0'
+30.8 10.8'
+53.0 -12.0'
+53.0 12.0'
+13.0 -18.0'
+23.0 15.0'
+33.0 18.0'
+67.5 0.0'

167+00 168+00 169+00

STH 69

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - STH 69 & CTH A WEST	SHEET 178	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024528

PLOT DATE : 7/30/2021 11:53 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:50 FT

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM

N

STH 69

184+00

CTH A

+30.0
0.0'

+75.9
-20.0'

+85.9
-17.0'

+75.6
26.0'

+25.9
-11.0'

+26.0
11.0'

51+00"AE"

52+00"AE"

53+00"AE"

54+00"AE"

55+00"AE"

56+00"AE"

57+00"AE"

+0.00
-11.0'

+00.0
0.0'

+00.0
11.0'

LEGEND

① MARKING LINE EPOXY 4-INCH YELLOW
② MARKING LINE EPOXY 4-INCH WHITE
③ MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
④ MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
⑤ MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
⑥ MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
⑦ MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
⑧ MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
⑨ MARKING DIAGONAL EPOXY 12-INCH YELLOW
⑩ MARKING STOP LINE EPOXY 18-INCH WHITE
⑪ MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
⑫ MARKING CURB EPOXY YELLOW
⑬ MARKING ISLAND NOSE EPOXY YELLOW
⑭ MARKING LINE EPOXY 8-INCH WHITE
⑮ MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
⑯ MARKING ARROW EPOXY WHITE
⑰ MARKING WORD EPOXY WHITE

STH 69

274+00

DIANNE AVE

+32.0
0.0'

+32.2
-26.9'

+32.0
-15.5'

+64.0
-33.0'

+69.6
-15.5'

+76.0
30.0'

+82.5
-12.0'

+76.0
12.0'

51+00"DN"

52+00"DN"

53+00"DN"

54+00"DN"

55+00"DN"

56+00"DN"

57+00"DN"

+95.6
-12.0'

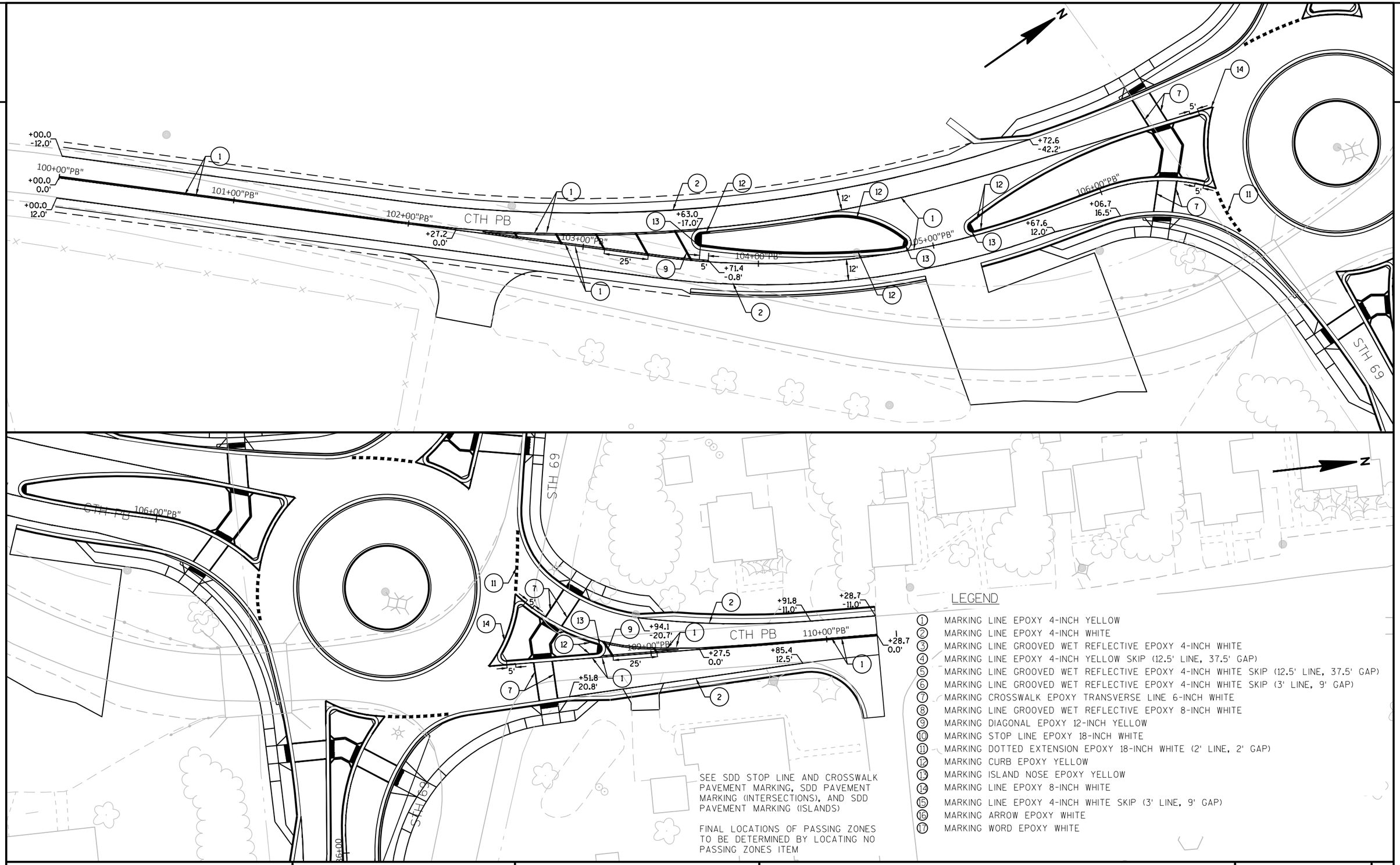
+95.6
0.0'

+95.6
12.0'

N

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - CTH A EAST & DIANNE AVE	SHEET 179	E

2



SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM

LEGEND

1. MARKING LINE EPOXY 4-INCH YELLOW
2. MARKING LINE EPOXY 4-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
4. MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
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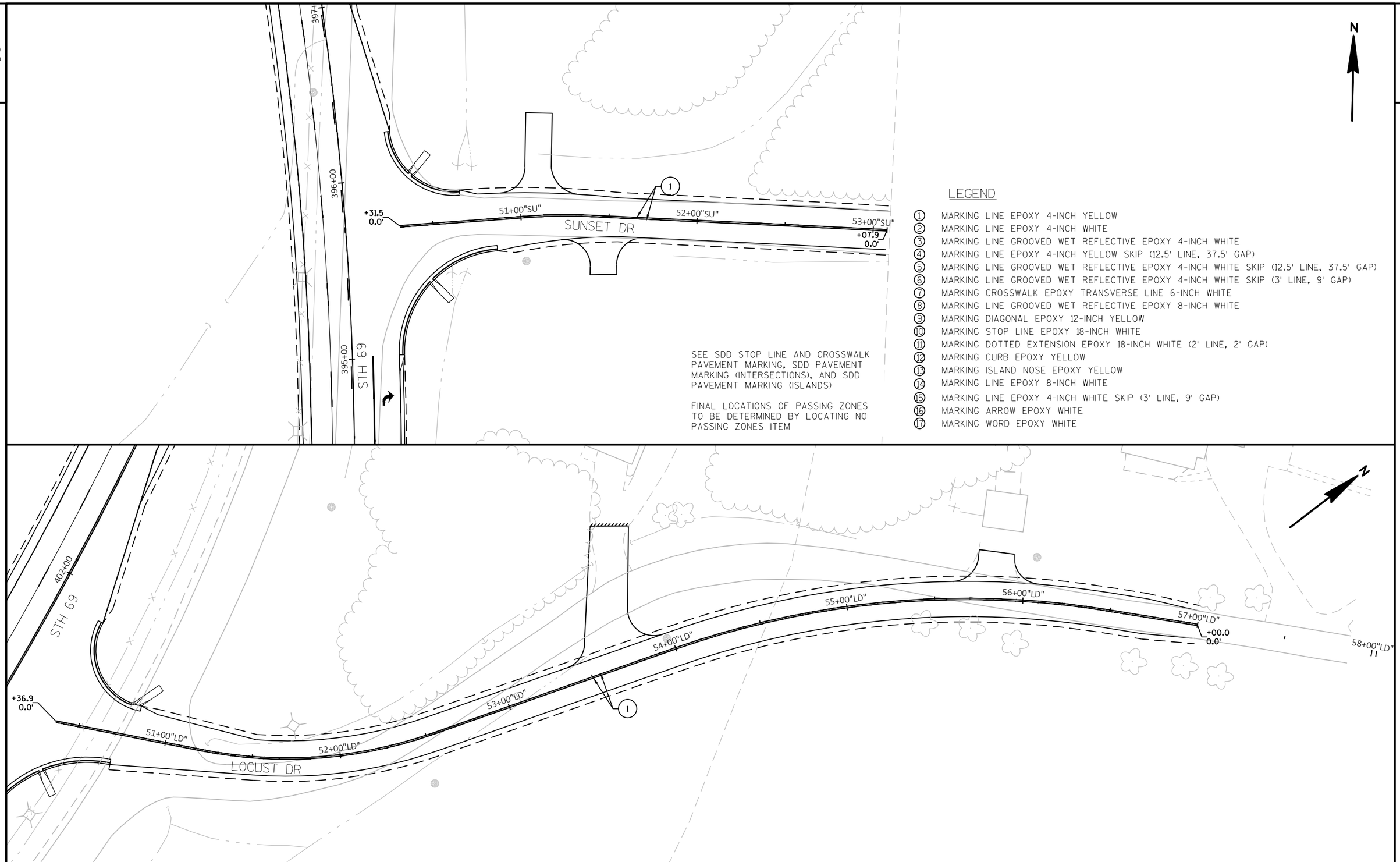
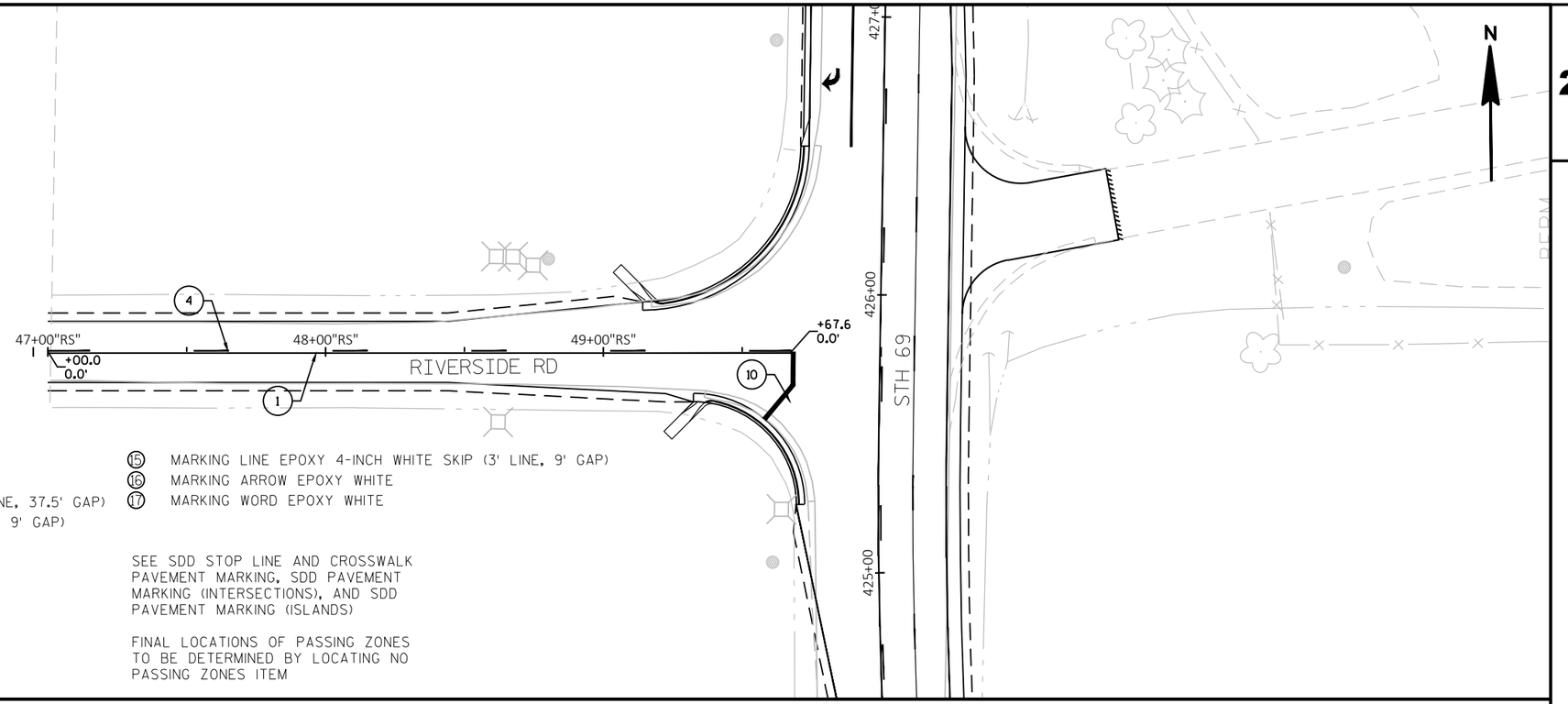
9. MARKING DIAGONAL EPOXY 12-INCH YELLOW
10. MARKING STOP LINE EPOXY 18-INCH WHITE
11. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
12. MARKING CURB EPOXY YELLOW
13. MARKING ISLAND NOSE EPOXY YELLOW
14. MARKING LINE EPOXY 8-INCH WHITE
15. MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING ARROW EPOXY WHITE
17. MARKING WORD EPOXY WHITE

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - CTH PB	SHEET 180	E

2



PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - SUNSET DR & LOCUST DR	SHEET 181	E



2

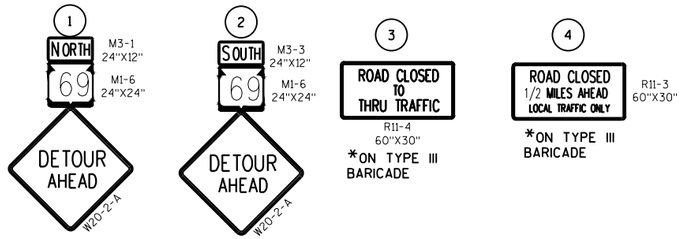
LEGEND

① MARKING LINE EPOXY 4-INCH YELLOW
② MARKING LINE EPOXY 4-INCH WHITE
③ MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE
④ MARKING LINE EPOXY 4-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
⑤ MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (12.5' LINE, 37.5' GAP)
⑥ MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
⑦ MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE
⑧ MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE
⑨ MARKING DIAGONAL EPOXY 12-INCH YELLOW
⑩ MARKING STOP LINE EPOXY 18-INCH WHITE
⑪ MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
⑫ MARKING CURB EPOXY YELLOW
⑬ MARKING ISLAND NOSE EPOXY YELLOW
⑭ MARKING LINE EPOXY 8-INCH WHITE
⑮ MARKING LINE EPOXY 4-INCH WHITE SKIP (3' LINE, 9' GAP)
⑯ MARKING ARROW EPOXY WHITE
⑰ MARKING WORD EPOXY WHITE

SEE SDD STOP LINE AND CROSSWALK PAVEMENT MARKING, SDD PAVEMENT MARKING (INTERSECTIONS), AND SDD PAVEMENT MARKING (ISLANDS)

FINAL LOCATIONS OF PASSING ZONES TO BE DETERMINED BY LOCATING NO PASSING ZONES ITEM

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	PAVEMENT MARKING - RIVERSIDE RD	SHEET 182	E

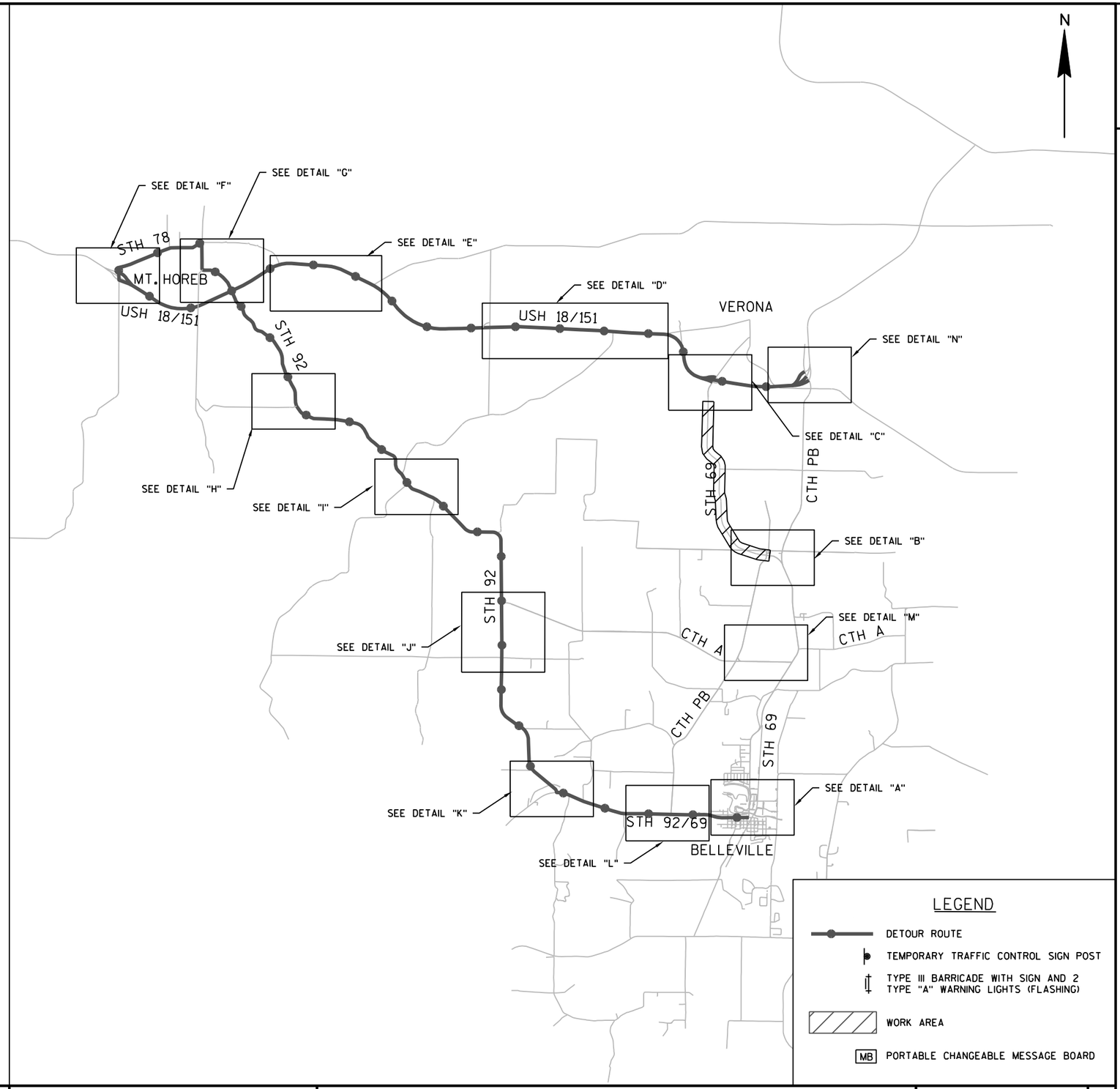


NOTES

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR STANDARD SIDE ROAD SIGNAGE

INSTALL TRAFFIC CONTROL SIGNS PCMS AT APPROACHING ROADWAYS 7 DAYS PRIOR TO CONSTRUCTION STAGE. PCMS ON STH 69 PRIOR TO STAGE 1 AND STAGE 2 TO DISPLAY "HWY 69 CLOSED STARTING XX/XX/XX". PCMS ON CTH PB PRIOR TO STAGE 1 TO DISPLAY "HWY PB CLOSED STARTING XX/XX/XX".

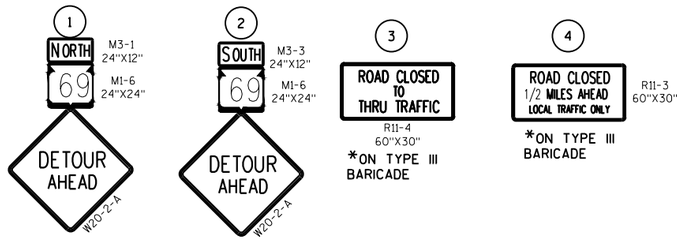
STAGE 1 TAKES PLACE FROM THE BEGINNING OF CONSTRUCTION OPERATIONS UNTIL THE SEGMENT OF STH 69 BETWEEN STRUCTURE B-13-0433 AND THE NORTHERN PROJECT LIMITS HAS BEEN COMPLETED TO THE LEVEL SPECIFIED IN THE PROSECUTION AND PROGRESS SECTION OF THE SPECIAL PROVISIONS. STAGE 2 TAKES PLACE THEREAFTER.



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	DETOUR ROUTE - STH 69 - PHASE 1	SHEET	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\027001_DT - PHASE 1.DWG
LAYOUT NAME - 027001_DT - PHASE 1 - 027001_DT

PLOT DATE : 7/30/2021 2:55 PM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:2 MI_XREF

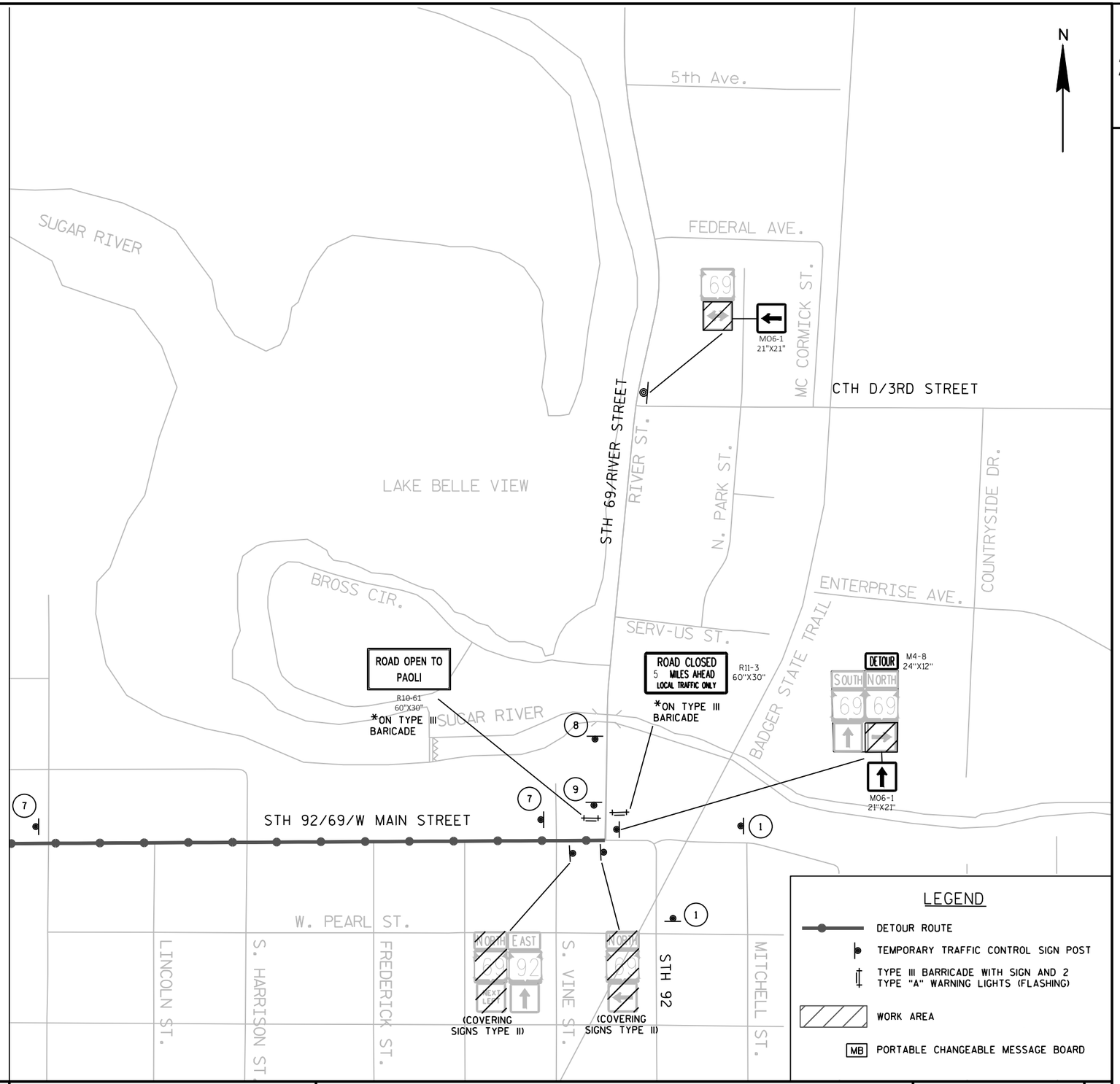


NOTES

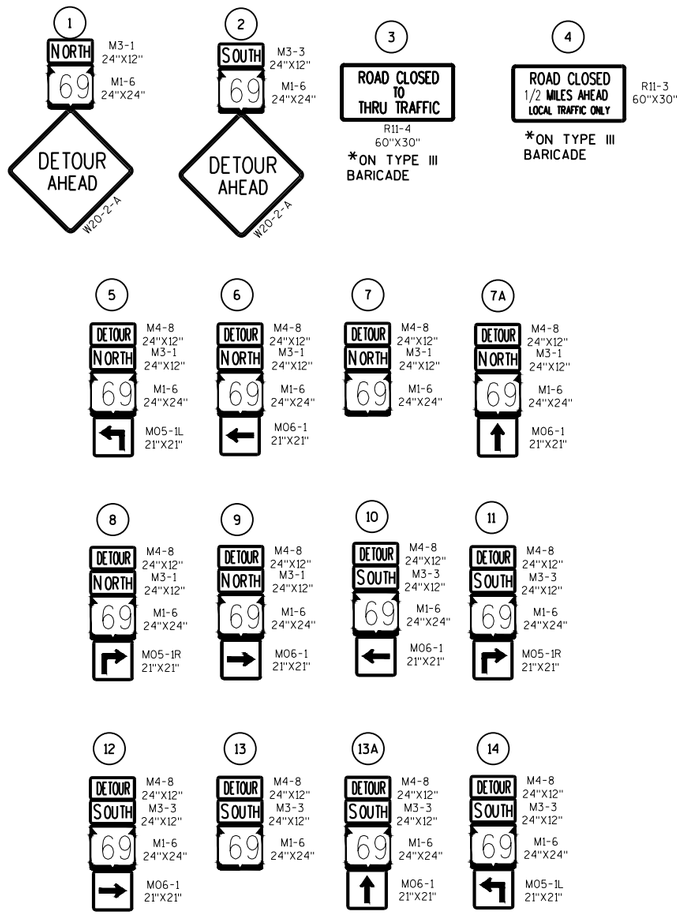
FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR STANDARD SIDE ROAD SIGNAGE

INSTALL TRAFFIC CONTROL SIGNS PCMS AT APPROACHING ROADWAYS 7 DAYS PRIOR TO CONSTRUCTION STAGE. PCMS ON STH 69 PRIOR TO STAGE 1 AND STAGE 2 TO DISPLAY "HWY 69 CLOSED STARTING XX/XX/XX". PCMS ON CTH PB PRIOR TO STAGE 1 TO DISPLAY "HWY PB CLOSED STARTING XX/XX/XX".

STAGE 1 TAKES PLACE FROM THE BEGINNING OF CONSTRUCTION OPERATIONS UNTIL THE SEGMENT OF STH 69 BETWEEN STRUCTURE B-13-0433 AND THE NORTHERN PROJECT LIMITS HAS BEEN COMPLETED TO THE LEVEL SPECIFIED IN THE PROSECUTION AND PROGRESS SECTION OF THE SPECIAL PROVISIONS. STAGE 2 TAKES PLACE THEREAFTER.



PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	DETOUR ROUTE - STH 69 - PHASE 1 - DETAIL "A"	SHEET 184 E

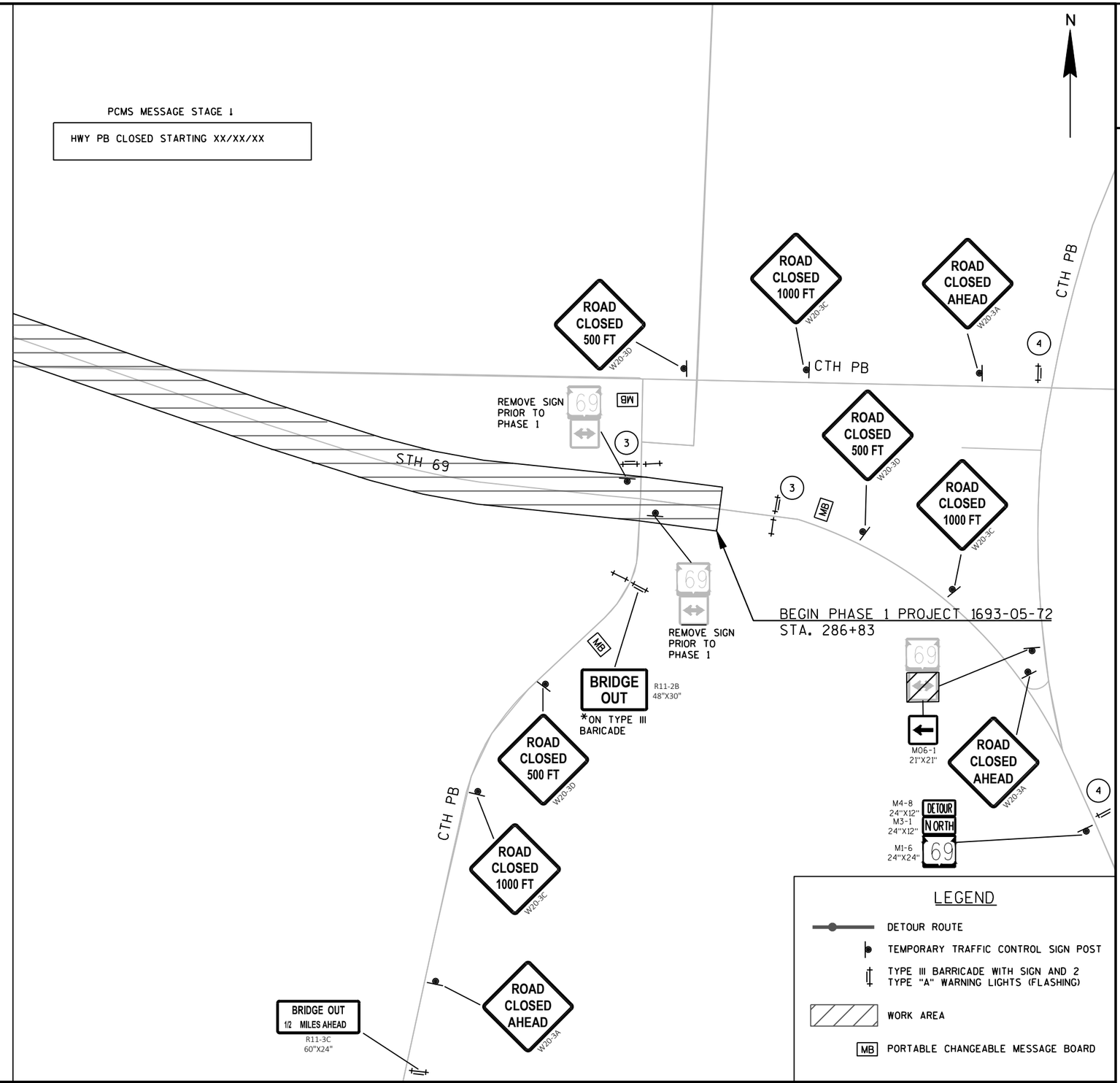


NOTES

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR STANDARD SIDE ROAD SIGNAGE

INSTALL TRAFFIC CONTROL SIGNS PCMS AT APPROACHING ROADWAYS 7 DAYS PRIOR TO CONSTRUCTION STAGE. PCMS ON STH 69 PRIOR TO STAGE 1 AND STAGE 2 TO DISPLAY "HWY 69 CLOSED STARTING XX/XX/XX". PCMS ON CTH PB PRIOR TO STAGE 1 TO DISPLAY "HWY PB CLOSED STARTING XX/XX/XX".

STAGE 1 TAKES PLACE FROM THE BEGINNING OF CONSTRUCTION OPERATIONS UNTIL THE SEGMENT OF STH 69 BETWEEN STRUCTURE B-13-0433 AND THE NORTHERN PROJECT LIMITS HAS BEEN COMPLETED TO THE LEVEL SPECIFIED IN THE PROSECUTION AND PROGRESS SECTION OF THE SPECIAL PROVISIONS. STAGE 2 TAKES PLACE THEREAFTER.



PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	DETOUR ROUTE - STH 69 - PHASE 1 - DETAIL "B"	SHEET 185	E

1
NORTH 69 M3-1 24"X12" M1-6 24"X24"
DETOUR AHEAD W20-2-A

2
SOUTH 69 M3-3 24"X12" M1-6 24"X24"
DETOUR AHEAD W20-2-A

3
ROAD CLOSED TO THRU TRAFFIC
R11-4 60"X30"
*ON TYPE III BARICADE

4
ROAD CLOSED 1/2 MILES AHEAD LOCAL TRAFFIC ONLY
R11-3 60"X30"
*ON TYPE III BARICADE

5
DETOUR NORTH 69 M4-8 24"X12" M3-1 24"X12" M1-6 24"X24" MO5-1L 21"X21"

6
DETOUR NORTH 69 M4-8 24"X12" M3-1 24"X12" M1-6 24"X24" MO6-1 21"X21"

7
DETOUR NORTH 69 M4-8 24"X12" M3-1 24"X12" M1-6 24"X24"

7A
DETOUR NORTH 69 M4-8 24"X12" M3-1 24"X12" M1-6 24"X24" MO6-1 21"X21"

8
DETOUR NORTH 69 M4-8 24"X12" M3-1 24"X12" M1-6 24"X24" MO5-1R 21"X21"

9
DETOUR NORTH 69 M4-8 24"X12" M3-1 24"X12" M1-6 24"X24" MO6-1 21"X21"

10
DETOUR SOUTH 69 M4-8 24"X12" M3-3 24"X12" M1-6 24"X24" MO6-1 21"X21"

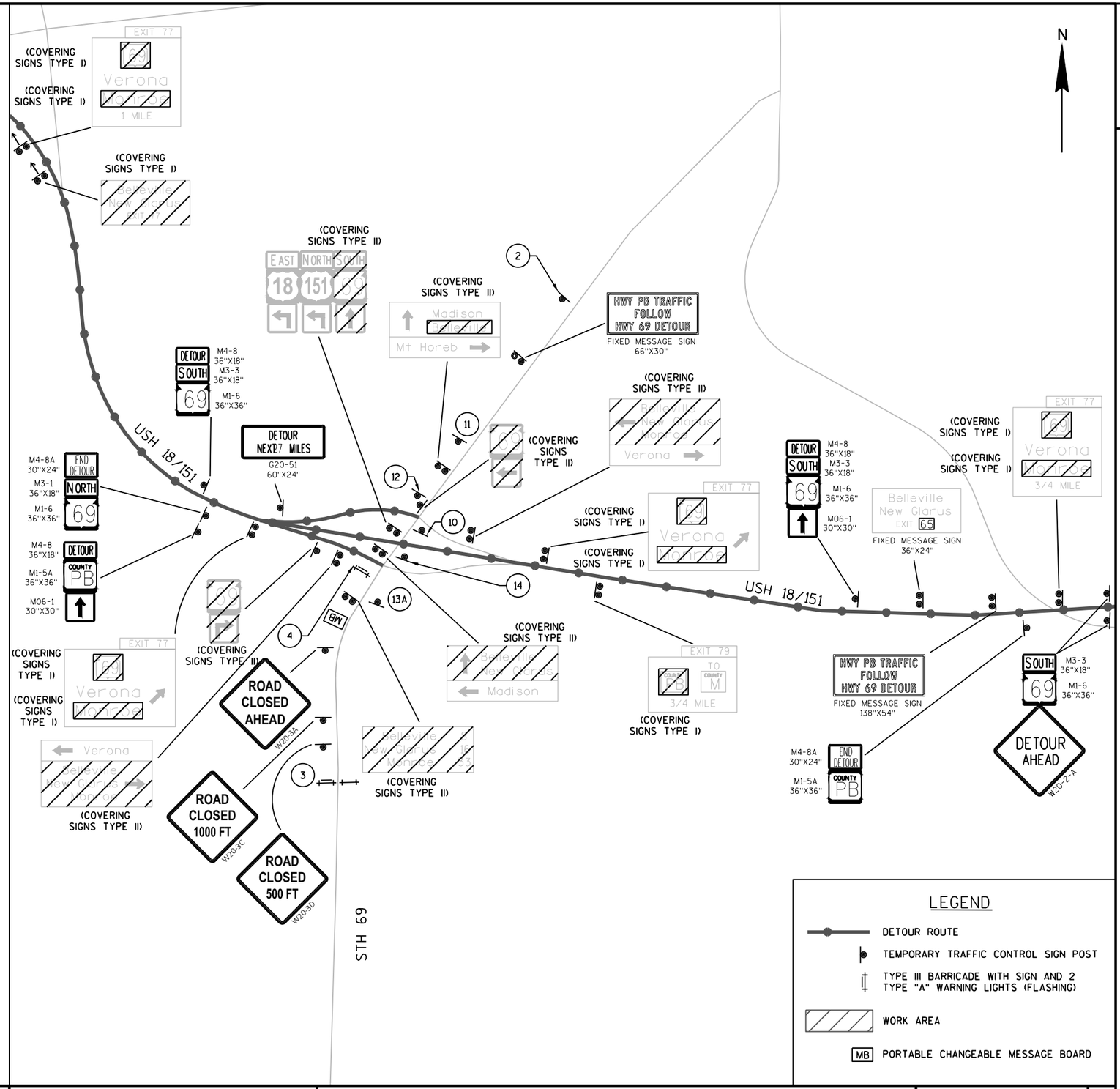
11
DETOUR SOUTH 69 M4-8 24"X12" M3-3 24"X12" M1-6 24"X24" MO5-1R 21"X21"

12
DETOUR SOUTH 69 M4-8 24"X12" M3-3 24"X12" M1-6 24"X24" MO6-1 21"X21"

13
DETOUR SOUTH 69 M4-8 24"X12" M3-3 24"X12" M1-6 24"X24"

13A
DETOUR SOUTH 69 M4-8 24"X12" M3-3 24"X12" M1-6 24"X24" MO6-1 21"X21"

14
DETOUR SOUTH 69 M4-8 24"X12" M3-3 24"X12" M1-6 24"X24" MO5-1L 21"X21"



NOTES

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR STANDARD SIDE ROAD SIGNAGE

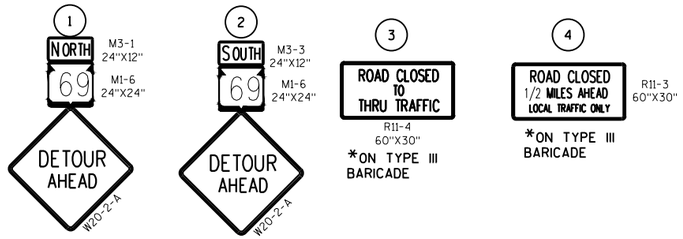
INSTALL TRAFFIC CONTROL SIGNS PCMS AT APPROACHING ROADWAYS 7 DAYS PRIOR TO CONSTRUCTION STAGE. PCMS ON STH 69 PRIOR TO STAGE 1 AND STAGE 2 TO DISPLAY "HWY 69 CLOSED STARTING XX/XX/XX". PCMS ON CTH PB PRIOR TO STAGE 1 TO DISPLAY "HWY PB CLOSED STARTING XX/XX/XX".

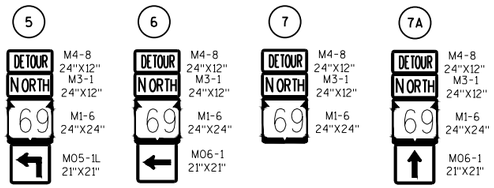
STAGE 1 TAKES PLACE FROM THE BEGINNING OF CONSTRUCTION OPERATIONS UNTIL THE SEGMENT OF STH 69 BETWEEN STRUCTURE B-13-0433 AND THE NORTHERN PROJECT LIMITS HAS BEEN COMPLETED TO THE LEVEL SPECIFIED IN THE PROSECUTION AND PROGRESS SECTION OF THE SPECIAL PROVISIONS. STAGE 2 TAKES PLACE THEREAFTER.

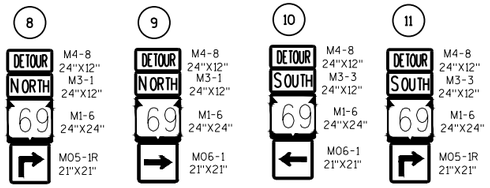
LEGEND

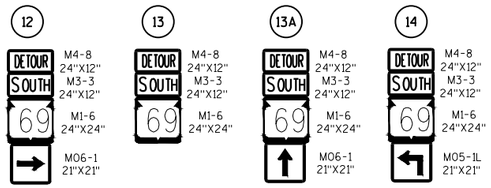
- DETOUR ROUTE
- TEMPORARY TRAFFIC CONTROL SIGN POST
- TYPE III BARRICADE WITH SIGN AND 2 TYPE "A" WARNING LIGHTS (FLASHING)
- WORK AREA
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	DETOUR ROUTE - STH 69 - PHASE 1 - DETAIL "C"	SHEET 186	E









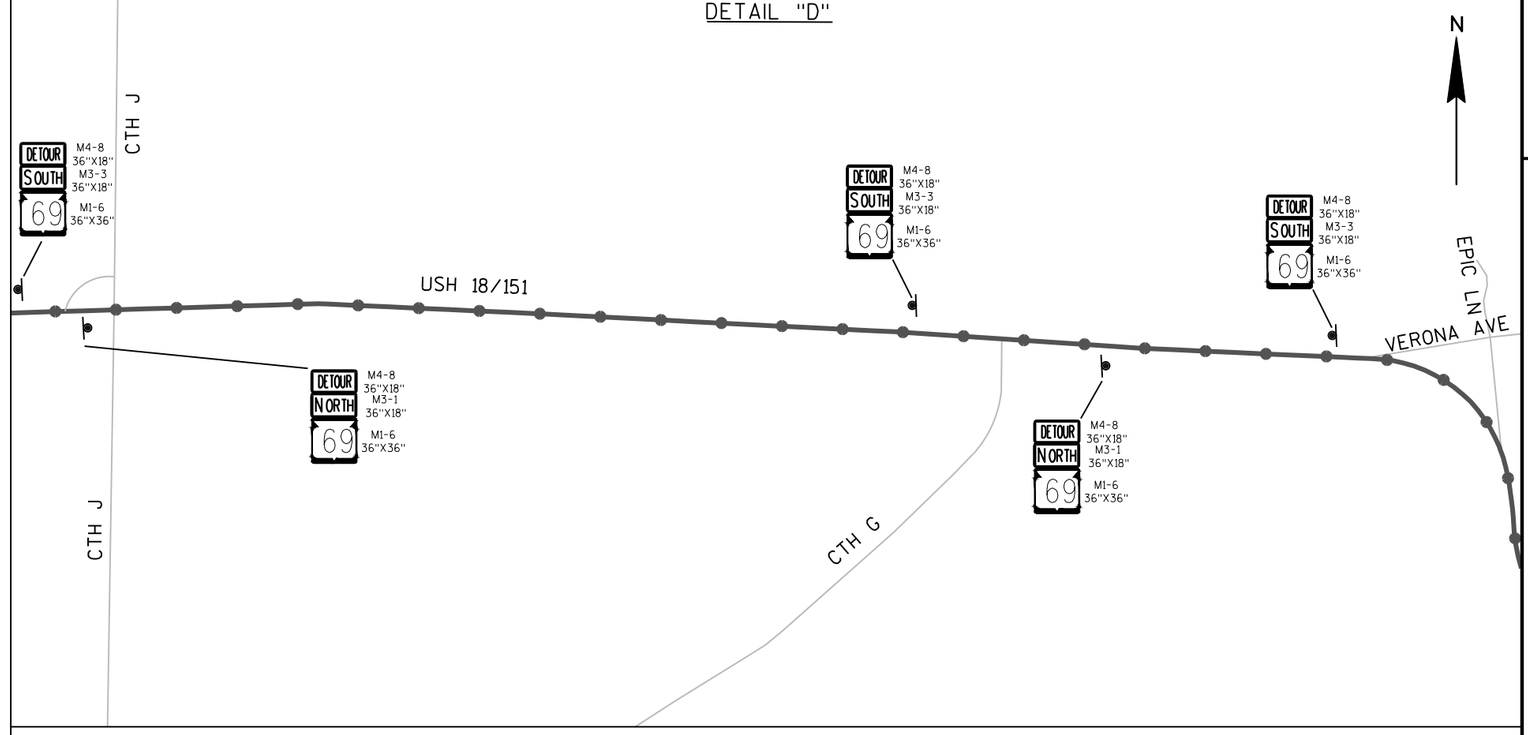
NOTES

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR STANDARD SIDE ROAD SIGNAGE

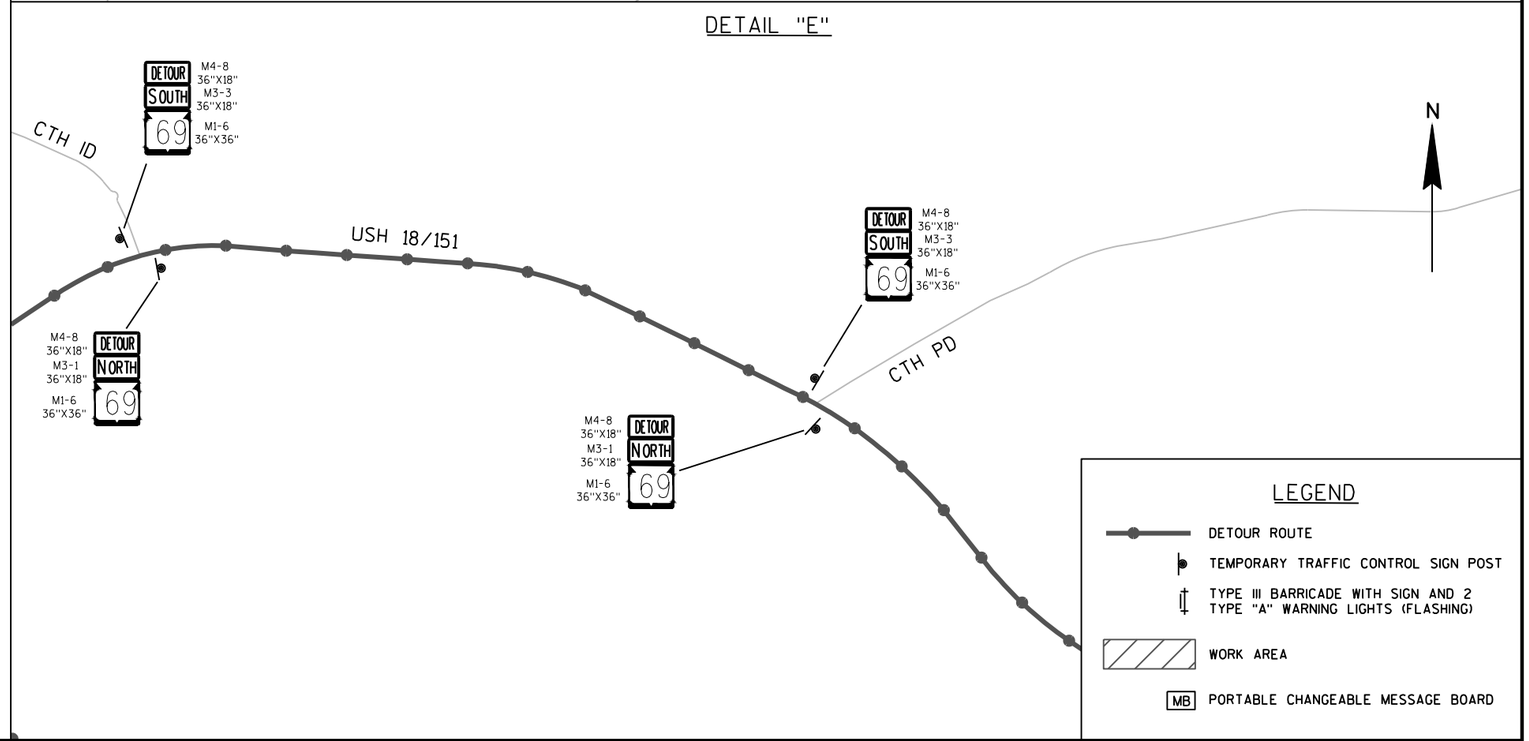
INSTALL TRAFFIC CONTROL SIGNS PCMS AT APPROACHING ROADWAYS 7 DAYS PRIOR TO CONSTRUCTION STAGE. PCMS ON STH 69 PRIOR TO STAGE 1 AND STAGE 2 TO DISPLAY "HWY 69 CLOSED STARTING XX/XX/XX". PCMS ON CTH PB PRIOR TO STAGE 1 TO DISPLAY "HWY PB CLOSED STARTING XX/XX/XX".

STAGE 1 TAKES PLACE FROM THE BEGINNING OF CONSTRUCTION OPERATIONS UNTIL THE SEGMENT OF STH 69 BETWEEN STRUCTURE B-13-0433 AND THE NORTHERN PROJECT LIMITS HAS BEEN COMPLETED TO THE LEVEL SPECIFIED IN THE PROSECUTION AND PROGRESS SECTION OF THE SPECIAL PROVISIONS. STAGE 2 TAKES PLACE THEREAFTER.

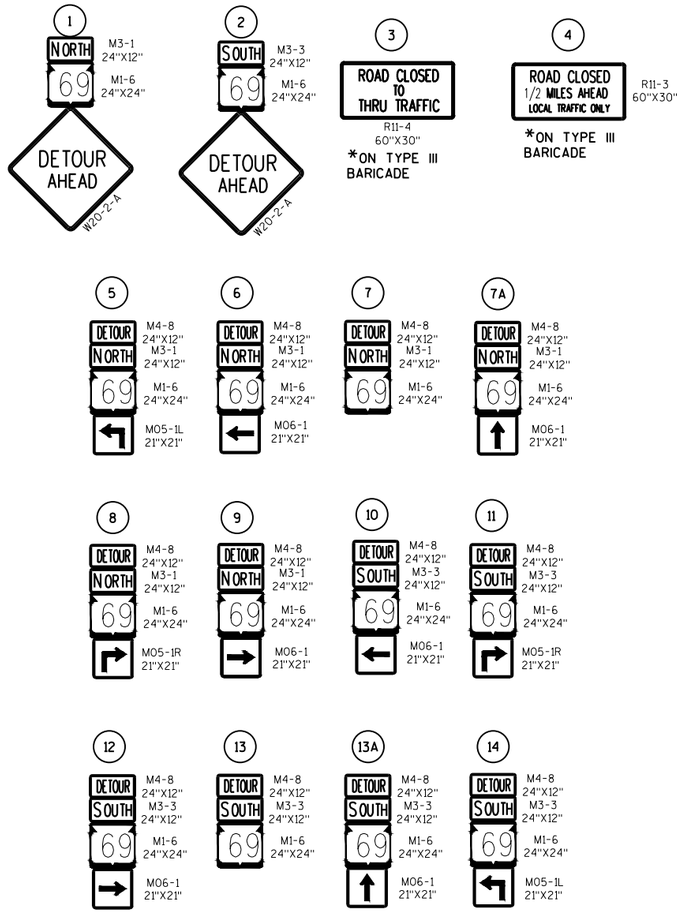
DETAIL "D"

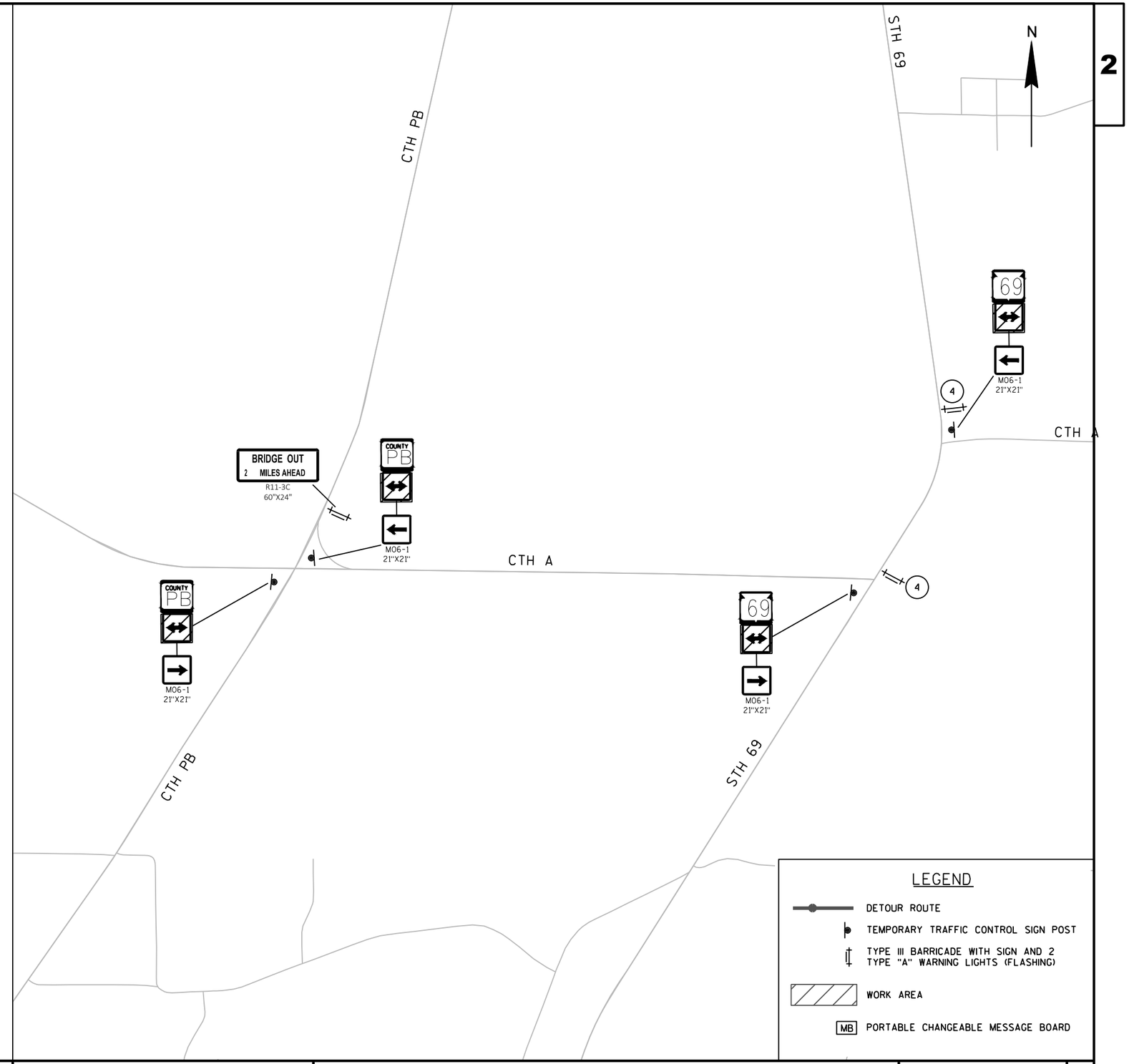


DETAIL "E"



PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	DETOUR ROUTE - STH 69 - PHASE 1 - DETAILS "D" & "E"	SHEET 187 E





NOTES

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR STANDARD SIDE ROAD SIGNAGE

INSTALL TRAFFIC CONTROL SIGNS PCMS AT APPROACHING ROADWAYS 7 DAYS PRIOR TO CONSTRUCTION STAGE. PCMS ON STH 69 PRIOR TO STAGE 1 AND STAGE 2 TO DISPLAY "HWY 69 CLOSED STARTING XX/XX/XX". PCMS ON CTH PB PRIOR TO STAGE 1 TO DISPLAY "HWY PB CLOSED STARTING XX/XX/XX".

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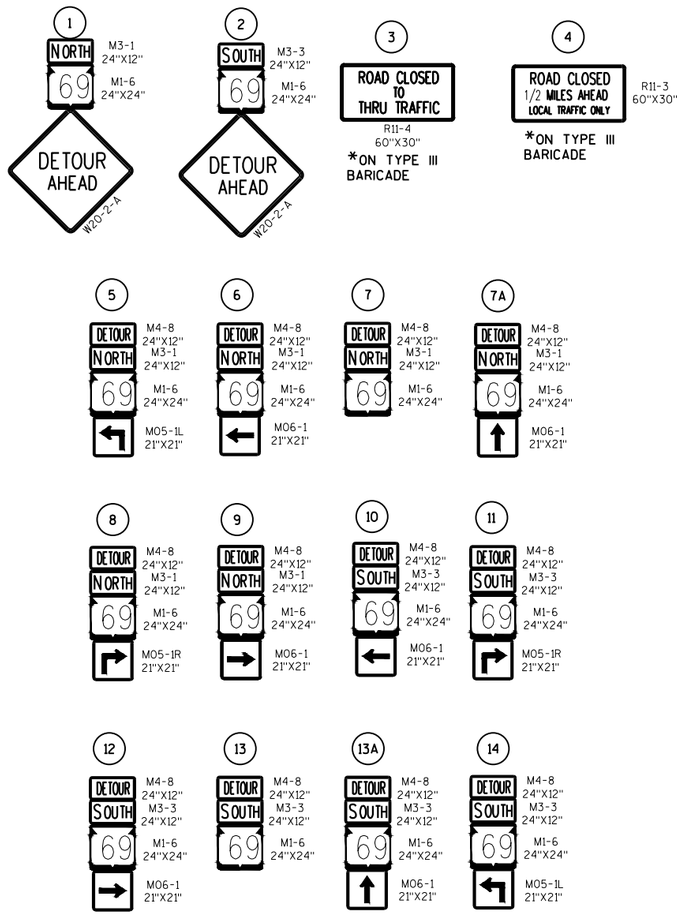
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	DETOUR ROUTE - STH 69 - PHASE 1 - DETAIL "M"	SHEET 188	E



NOTES

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR STANDARD SIDE ROAD SIGNAGE

INSTALL TRAFFIC CONTROL SIGNS PCMS AT APPROACHING ROADWAYS 7 DAYS PRIOR TO CONSTRUCTION STAGE. PCMS ON STH 69 PRIOR TO STAGE 1 AND STAGE 2 TO DISPLAY "HWY 69 CLOSED STARTING XX/XX/XX". PCMS ON CTH PB PRIOR TO STAGE 1 TO DISPLAY "HWY PB CLOSED STARTING XX/XX/XX".

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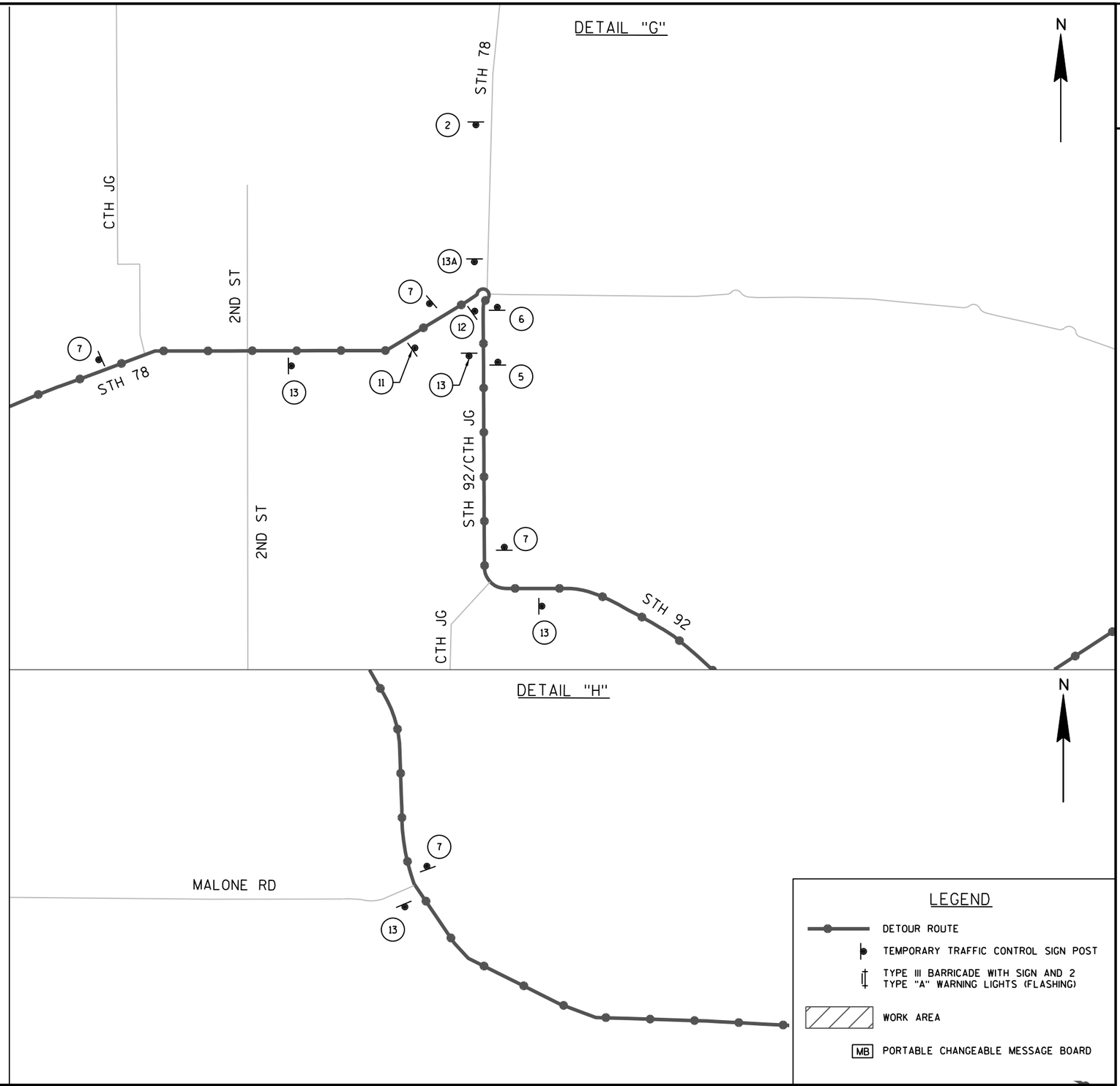
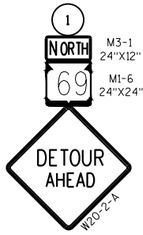
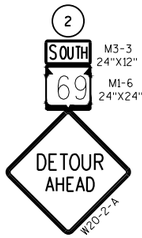


PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	DETOUR ROUTE - STH 69 - PHASE 1 - DETAIL "G" & "H"	SHEET 189 E

1


M3-1 24"X12"
M1-6 24"X24"

2


M3-3 24"X12"
M1-6 24"X24"

3

R11-4 60"X30"
*ON TYPE III BARICADE

4

R11-3 60"X30"
*ON TYPE III BARICADE

5

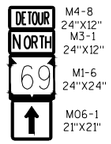
M4-8 24"X12"
M3-1 24"X12"
M1-6 24"X24"
M05-1L 21"X21"

6

M4-8 24"X12"
M3-1 24"X12"
M1-6 24"X24"
M06-1 21"X21"

7

M4-8 24"X12"
M3-1 24"X12"
M1-6 24"X24"

7A


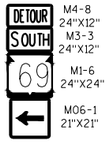
M4-8 24"X12"
M3-1 24"X12"
M1-6 24"X24"
M06-1 21"X21"

8

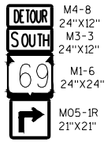
M4-8 24"X12"
M3-1 24"X12"
M1-6 24"X24"
M05-1R 21"X21"

9

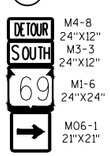
M4-8 24"X12"
M3-1 24"X12"
M1-6 24"X24"
M06-1 21"X21"

10


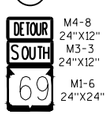
M4-8 24"X12"
M3-3 24"X12"
M1-6 24"X24"
M06-1 21"X21"

11


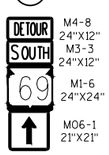
M4-8 24"X12"
M3-3 24"X12"
M1-6 24"X24"
M05-1R 21"X21"

12


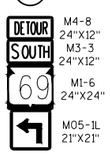
M4-8 24"X12"
M3-3 24"X12"
M1-6 24"X24"
M06-1 21"X21"

13


M4-8 24"X12"
M3-3 24"X12"
M1-6 24"X24"

13A


M4-8 24"X12"
M3-3 24"X12"
M1-6 24"X24"
M06-1 21"X21"

14


M4-8 24"X12"
M3-3 24"X12"
M1-6 24"X24"
M05-1L 21"X21"

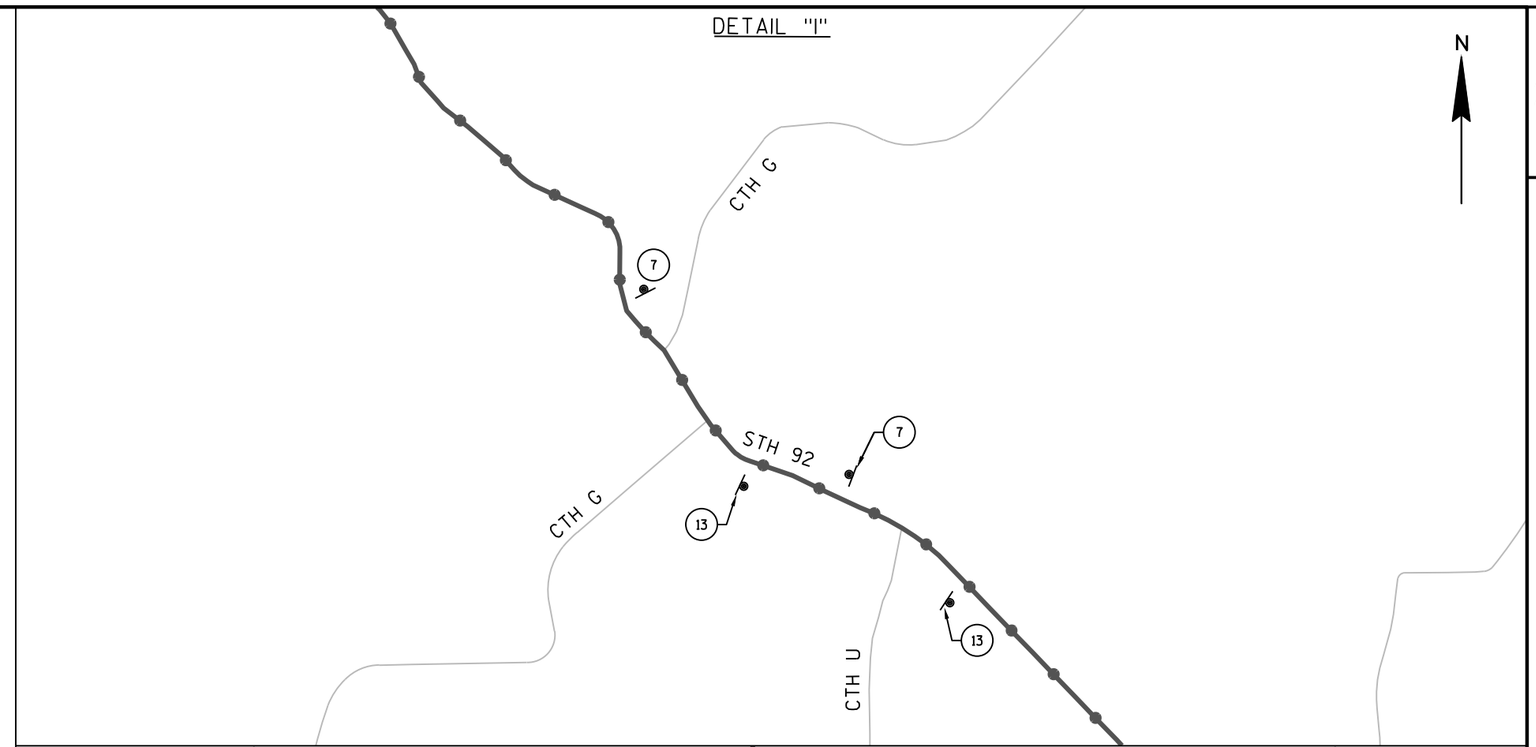
NOTES

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR STANDARD SIDE ROAD SIGNAGE

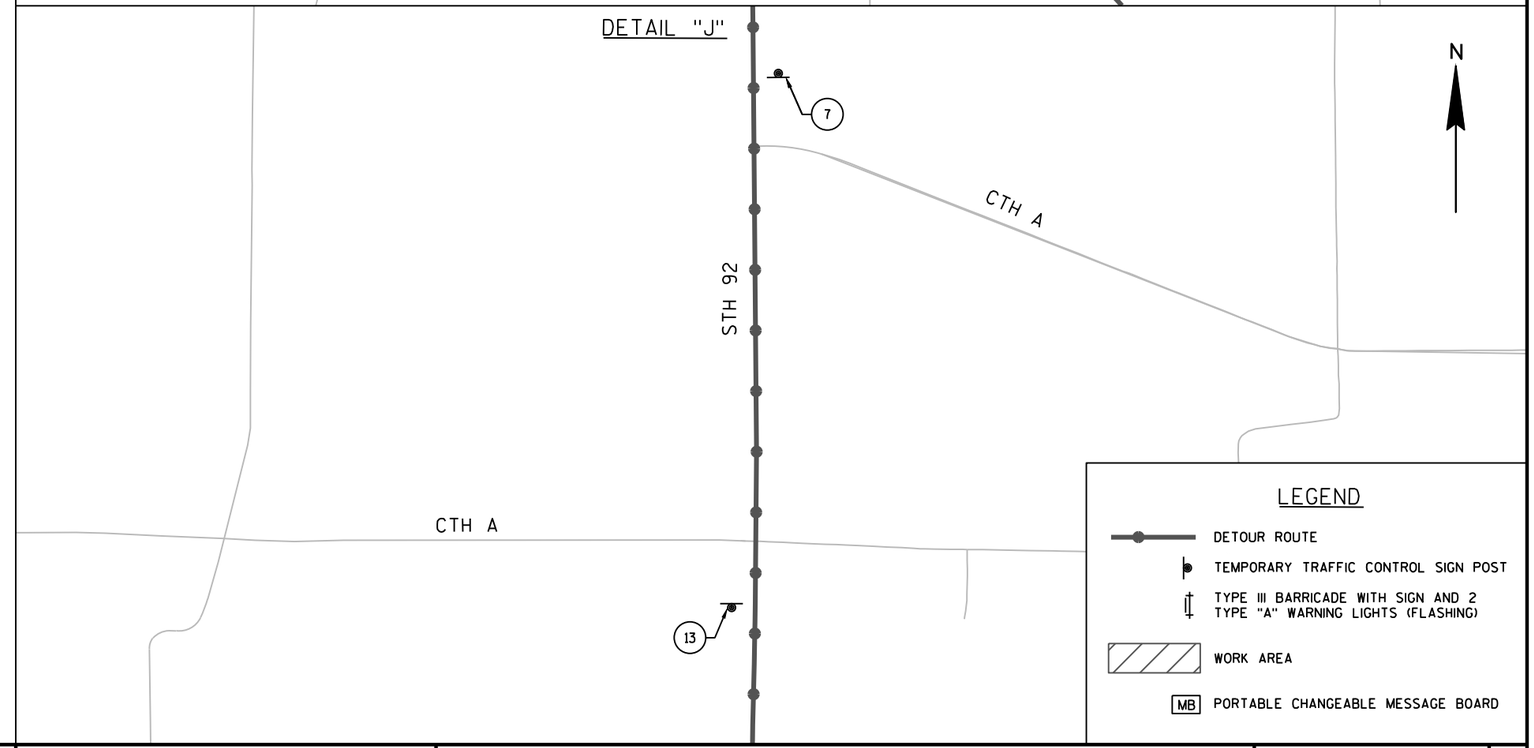
INSTALL TRAFFIC CONTROL SIGNS PCMS AT APPROACHING ROADWAYS 7 DAYS PRIOR TO CONSTRUCTION STAGE. PCMS ON STH 69 PRIOR TO STAGE 1 AND STAGE 2 TO DISPLAY "HWY 69 CLOSED STARTING XX/XX/XX". PCMS ON CTH PB PRIOR TO STAGE 1 TO DISPLAY "HWY PB CLOSED STARTING XX/XX/XX".

STAGE 1 TAKES PLACE FROM THE BEGINNING OF CONSTRUCTION OPERATIONS UNTIL THE SEGMENT OF STH 69 BETWEEN STRUCTURE B-13-0433 AND THE NORTHERN PROJECT LIMITS HAS BEEN COMPLETED TO THE LEVEL SPECIFIED IN THE PROSECUTION AND PROGRESS SECTION OF THE SPECIAL PROVISIONS. STAGE 2 TAKES PLACE THEREAFTER.

DETAIL "I"



DETAIL "J"

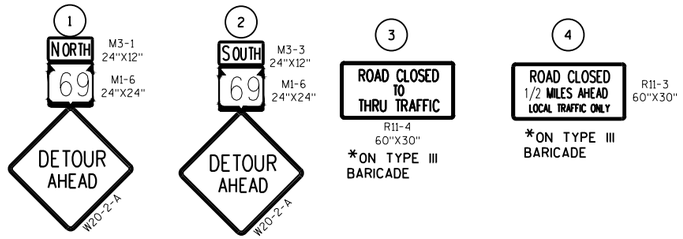


LEGEND

- DETOUR ROUTE
- TEMPORARY TRAFFIC CONTROL SIGN POST
- TYPE III BARRICADE WITH SIGN AND 2 TYPE "A" WARNING LIGHTS (FLASHING)
- WORK AREA
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	DETOUR ROUTE - STH 69 - PHASE 1 - DETAILS "I" & "J"	SHEET 190	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\027001_DT - PHASE 1.DWG
LAYOUT NAME - 027001_DT - PHASE 1 - 027008_DT
PLOT DATE : 7/30/2021 2:55 PM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:2000 FT_XREF (2)
WISDOT/CADDS SHEET 42



NOTES

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR STANDARD SIDE ROAD SIGNAGE

INSTALL TRAFFIC CONTROL SIGNS PCMS AT APPROACHING ROADWAYS 7 DAYS PRIOR TO CONSTRUCTION STAGE. PCMS ON STH 69 PRIOR TO STAGE 1 AND STAGE 2 TO DISPLAY "HWY 69 CLOSED STARTING XX/XX/XX". PCMS ON CTH PB PRIOR TO STAGE 1 TO DISPLAY "HWY PB CLOSED STARTING XX/XX/XX".

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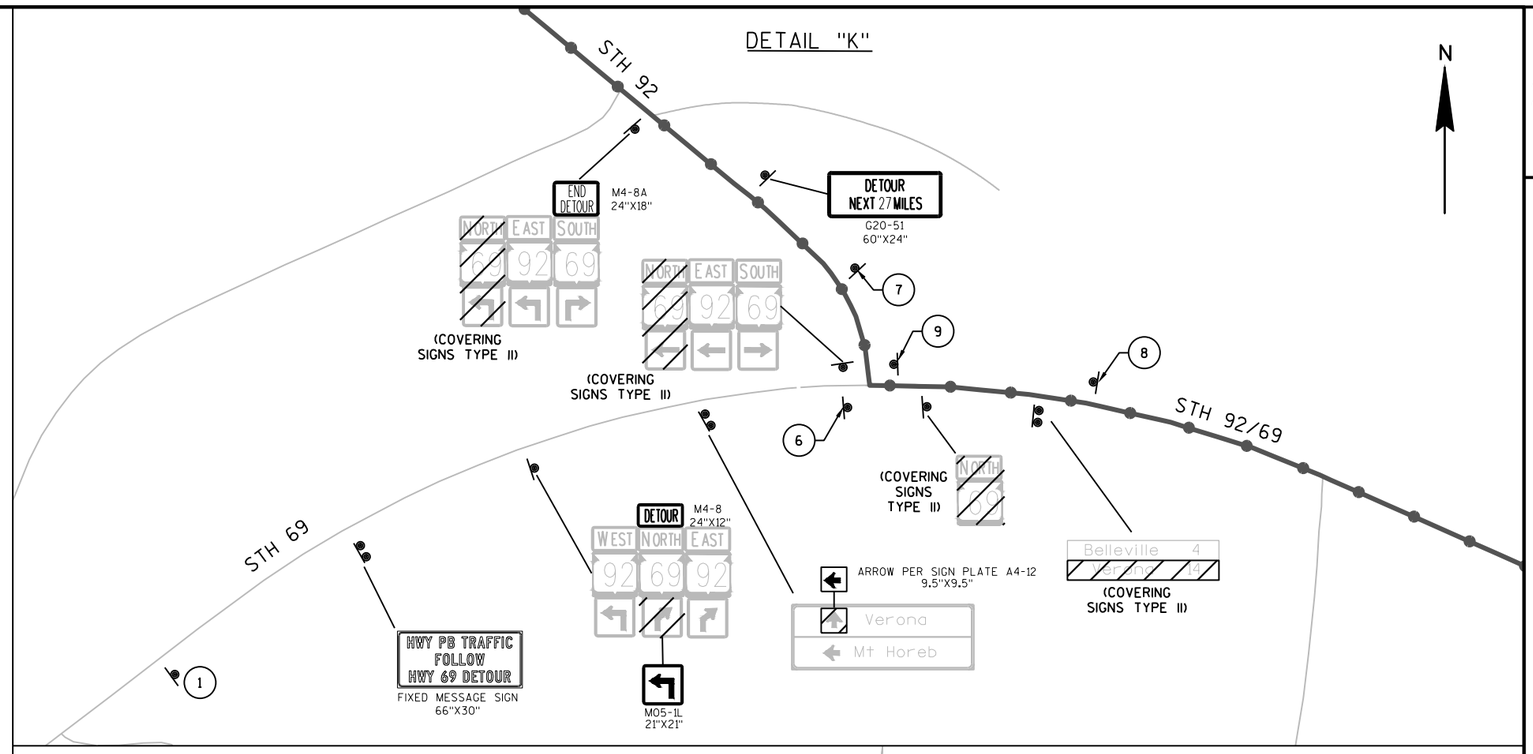
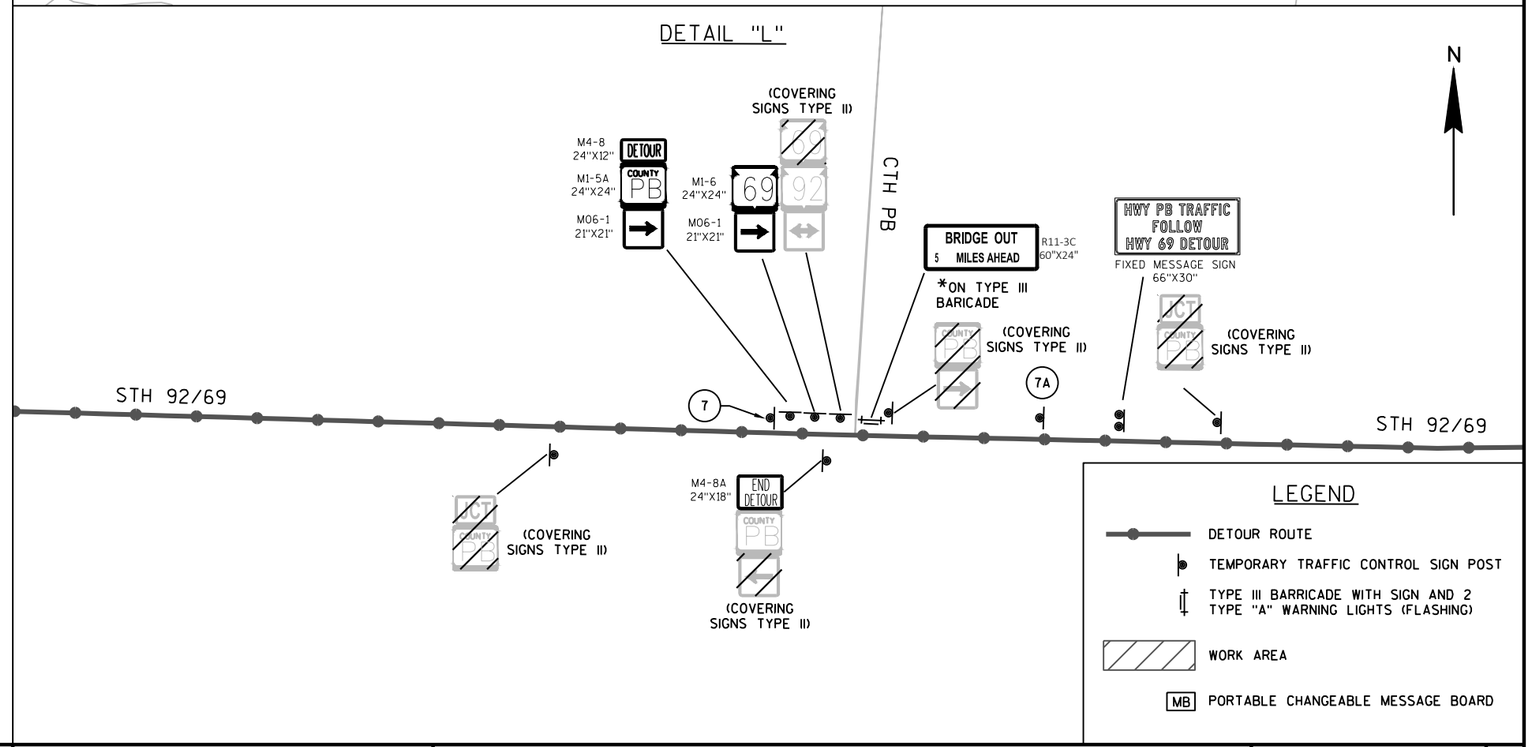
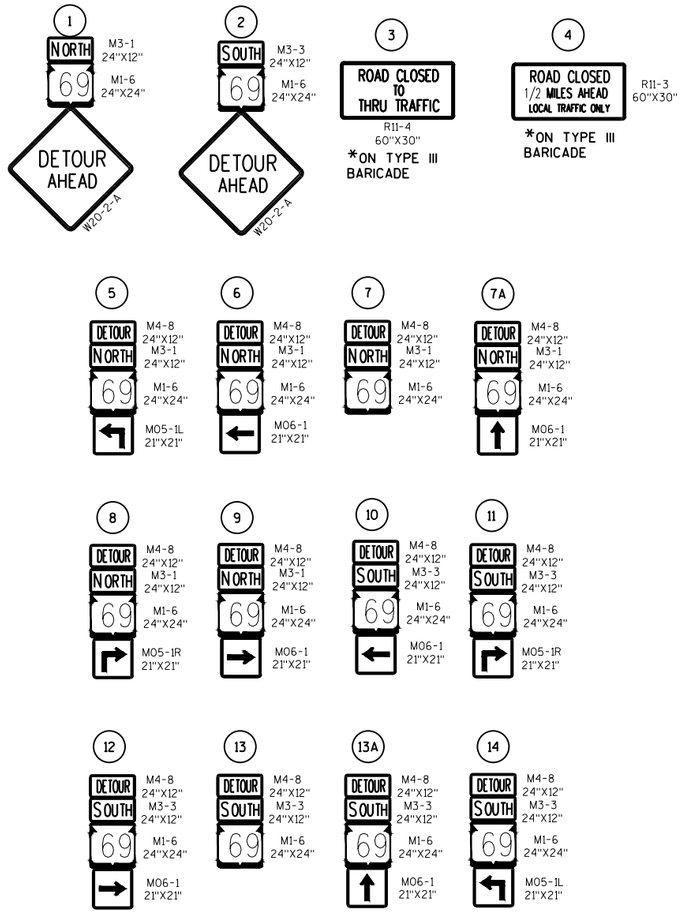




PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	DETOUR ROUTE - STH 69 - PHASE 1 - DETAILS "K" & "L"	SHEET 191 E



NOTES

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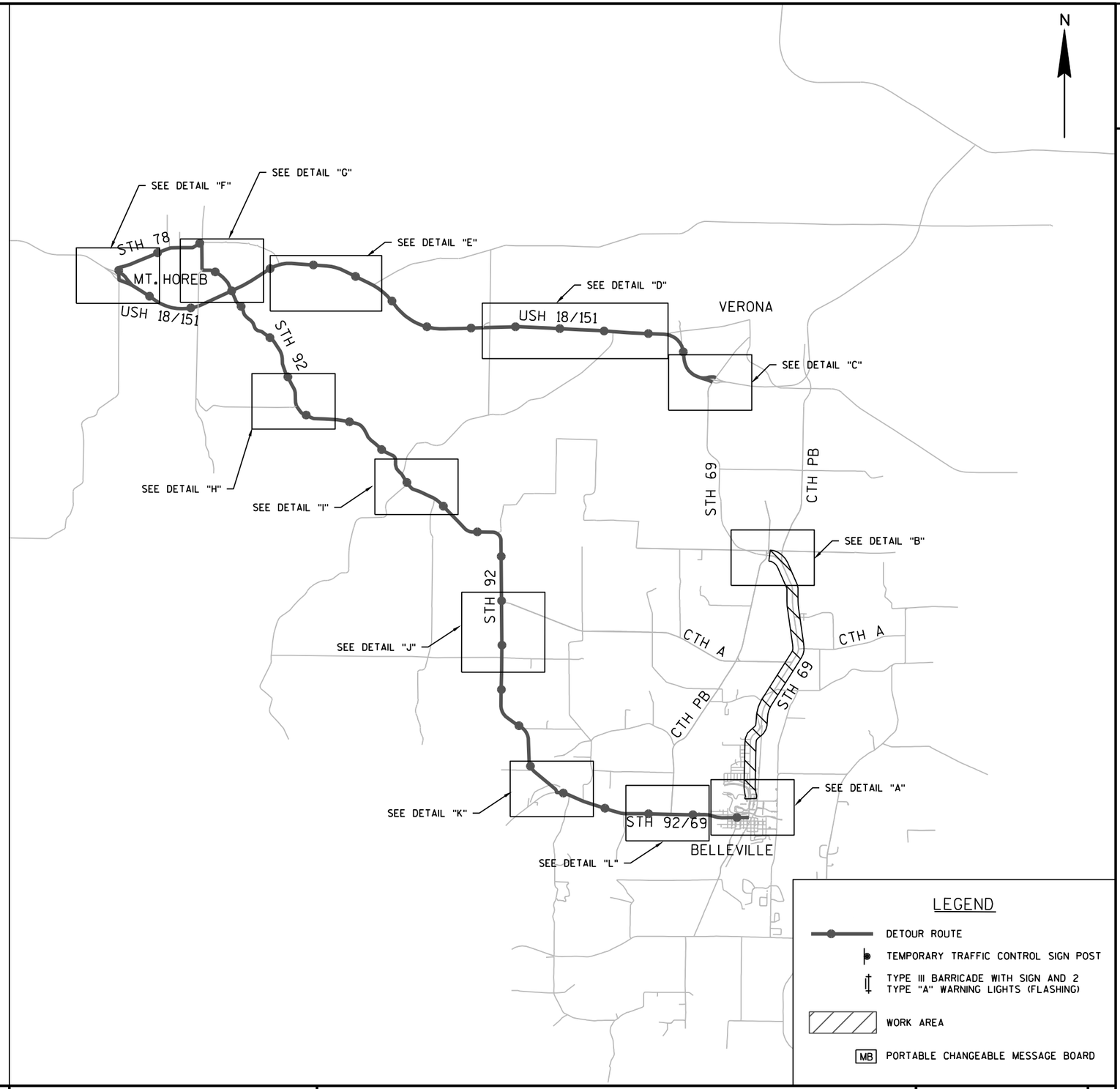
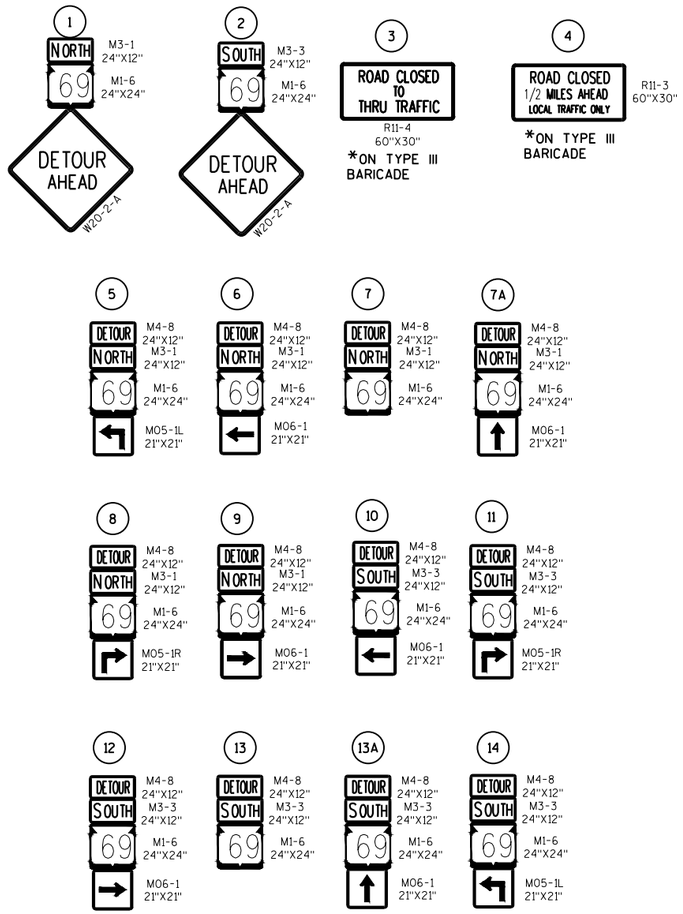


PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	DETOUR ROUTE - STH 69 - PHASE 2	SHEET	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\027002_DT - PHASE 2.DWG
LAYOUT NAME - 027002_DT - PHASE 2 - 027001_DT
PLOT DATE : 7/30/2021 2:55 PM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:2 MI_XREF



NOTES

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR STANDARD SIDE ROAD SIGNAGE

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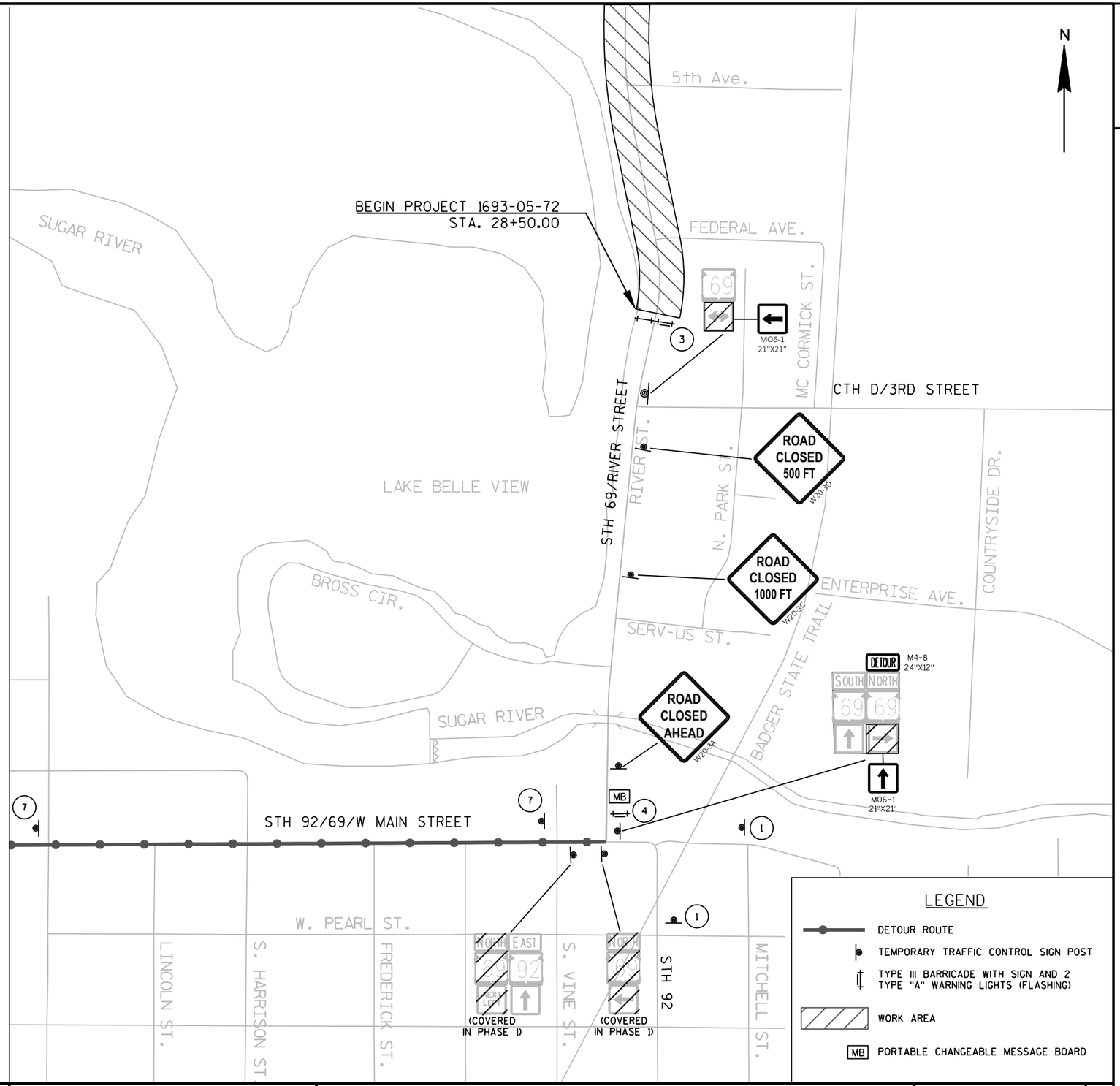
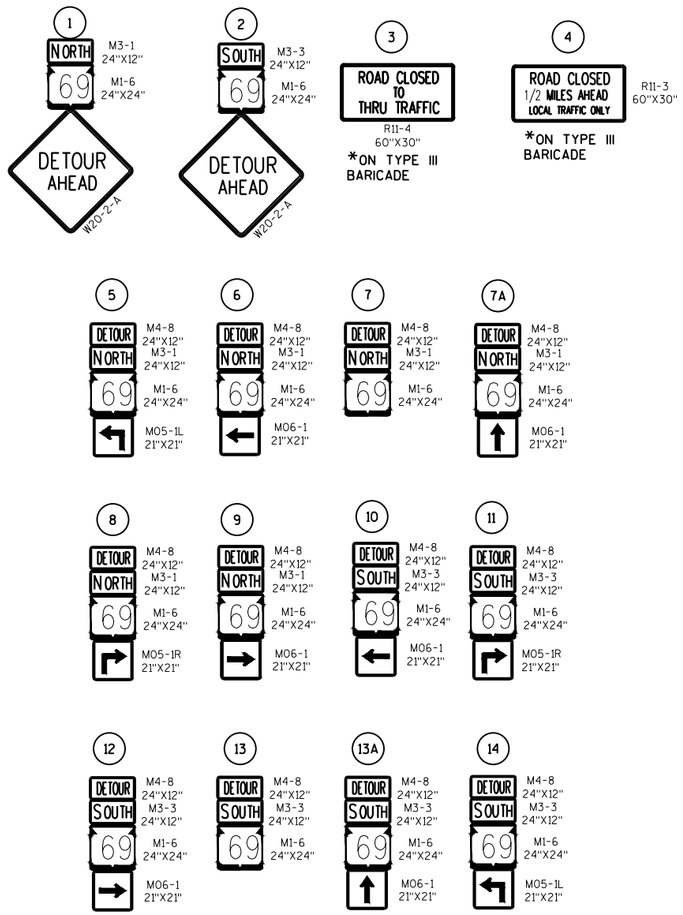


PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	DETOUR ROUTE - STH 69 - PHASE 2 - DETAIL "A"	SHEET 193 E



NOTES

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR STANDARD SIDE ROAD SIGNAGE

INSTALL TRAFFIC CONTROL SIGNS PCMS AT APPROACHING ROADWAYS 7 DAYS PRIOR TO CONSTRUCTION STAGE. PCMS ON STH 69 PRIOR TO STAGE 1 AND STAGE 2 TO DISPLAY "HWY 69 CLOSED STARTING XX/XX/XX". PCMS ON CTH PB PRIOR TO STAGE 1 TO DISPLAY "HWY PB CLOSED STARTING XX/XX/XX".

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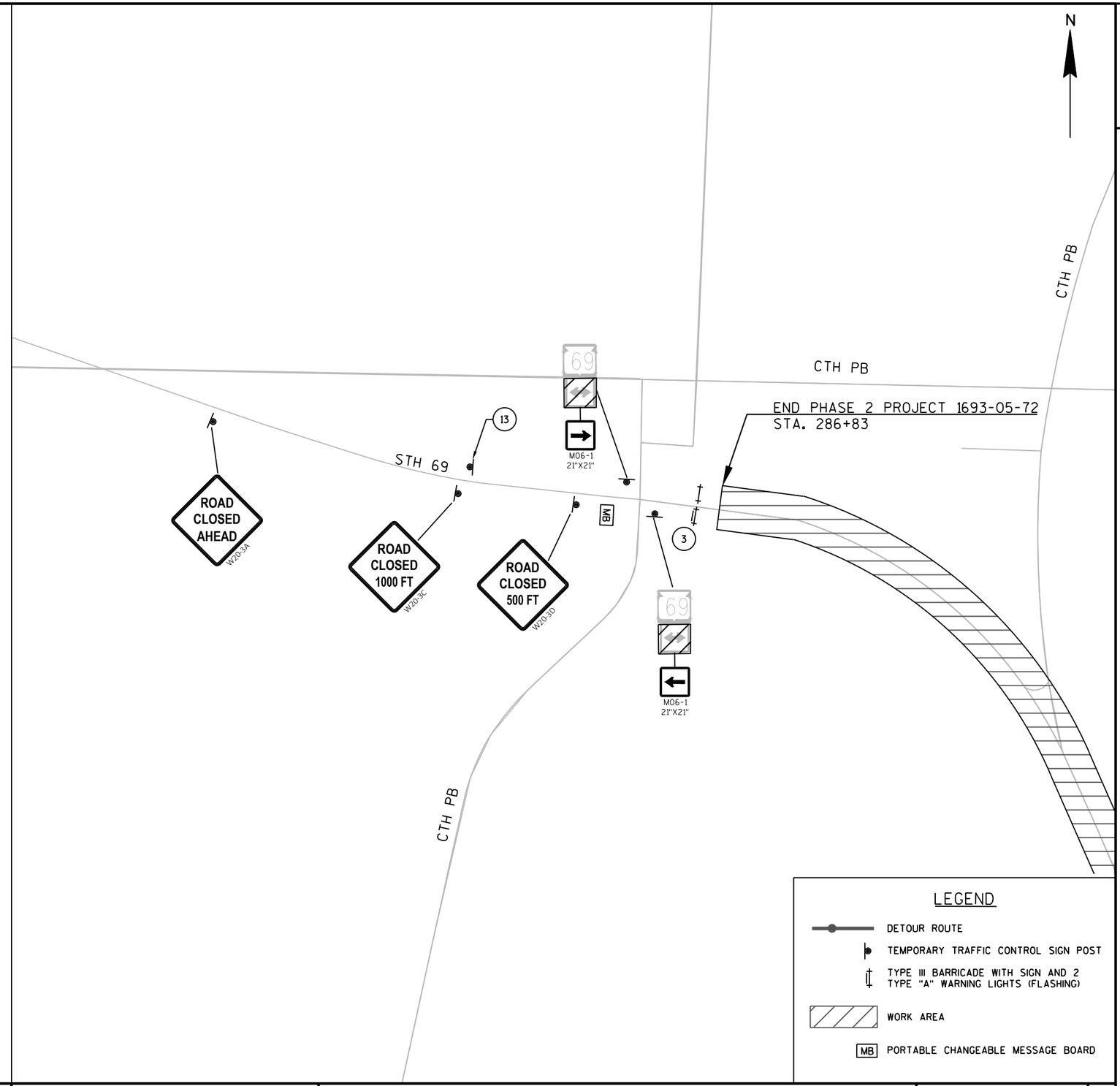
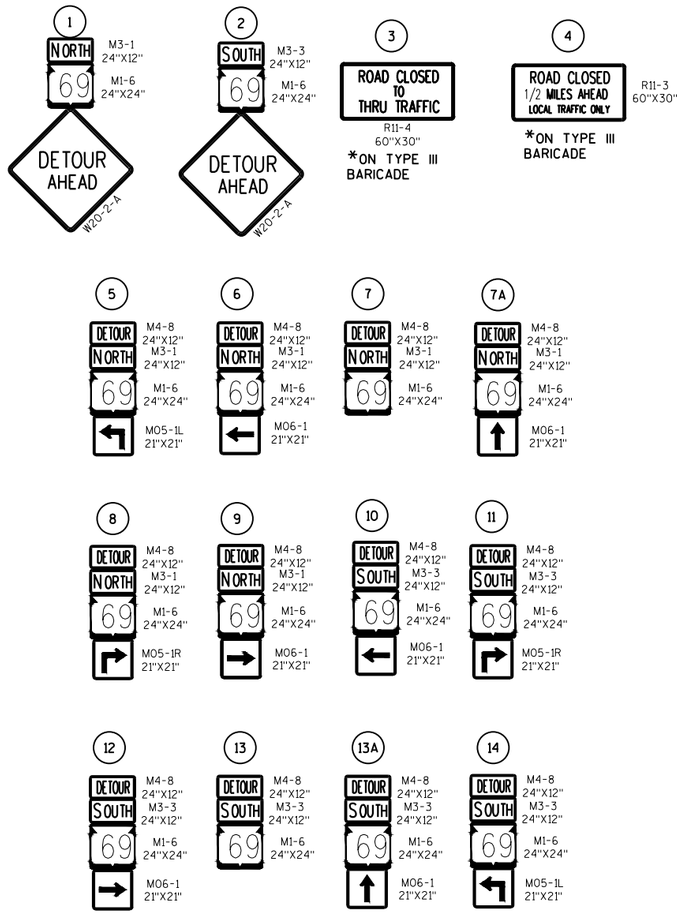
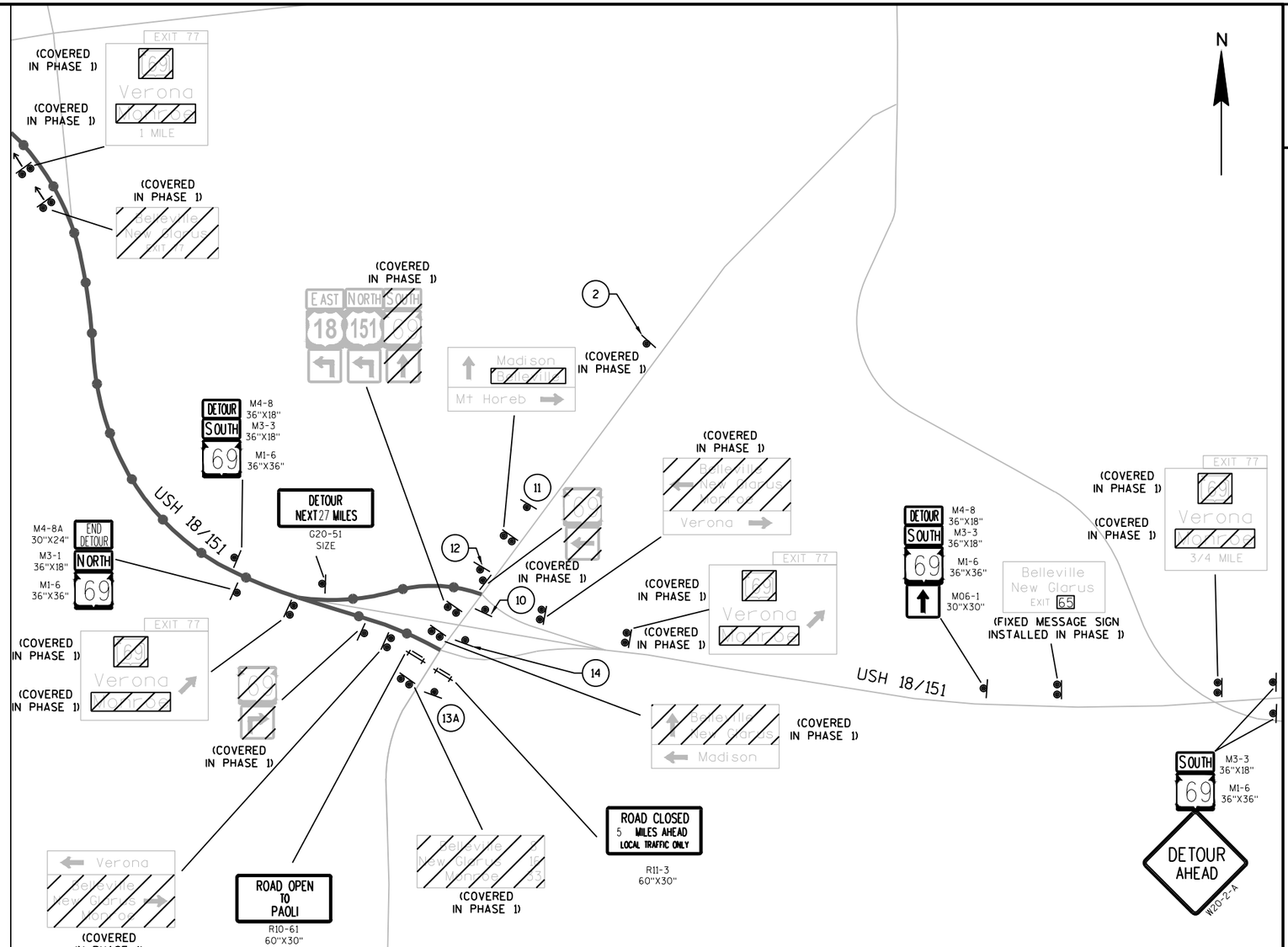


PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	DETOUR ROUTE - STH 69 - PHASE 2 - DETAIL "B"	SHEET 194	E





NOTES

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR STANDARD SIDE ROAD SIGNAGE

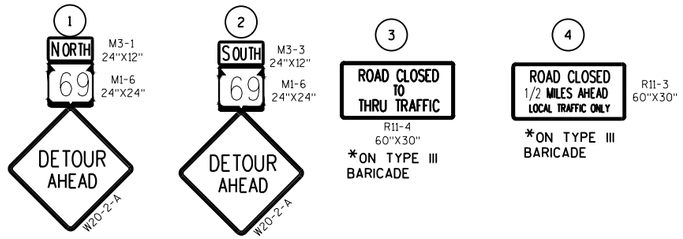
INSTALL TRAFFIC CONTROL SIGNS PCMS AT APPROACHING ROADWAYS 7 DAYS PRIOR TO CONSTRUCTION STAGE. PCMS ON STH 69 PRIOR TO STAGE 1 AND STAGE 2 TO DISPLAY "HWY 69 CLOSED STARTING XX/XX/XX". PCMS ON CTH PB PRIOR TO STAGE 1 TO DISPLAY "HWY PB CLOSED STARTING XX/XX/XX".

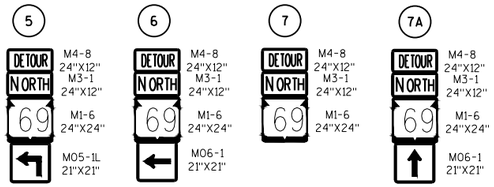
STAGE 1 TAKES PLACE FROM THE BEGINNING OF CONSTRUCTION OPERATIONS UNTIL THE SEGMENT OF STH 69 BETWEEN STRUCTURE B-13-0433 AND THE NORTHERN PROJECT LIMITS HAS BEEN COMPLETED TO THE LEVEL SPECIFIED IN THE PROSECUTION AND PROGRESS SECTION OF THE SPECIAL PROVISIONS. STAGE 2 TAKES PLACE THEREAFTER.

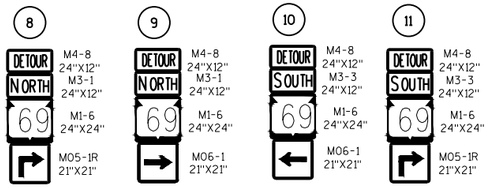
LEGEND

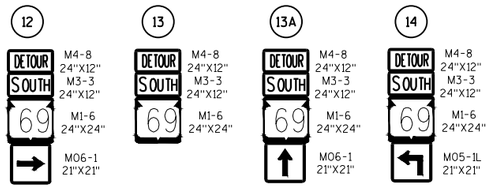
- DETOUR ROUTE
- TEMPORARY TRAFFIC CONTROL SIGN POST
- TYPE III BARRICADE WITH SIGN AND 2 TYPE "A" WARNING LIGHTS (FLASHING)
- WORK AREA
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	DETOUR ROUTE - STH 69 - PHASE 2 - DETAIL "C"	SHEET 195	E









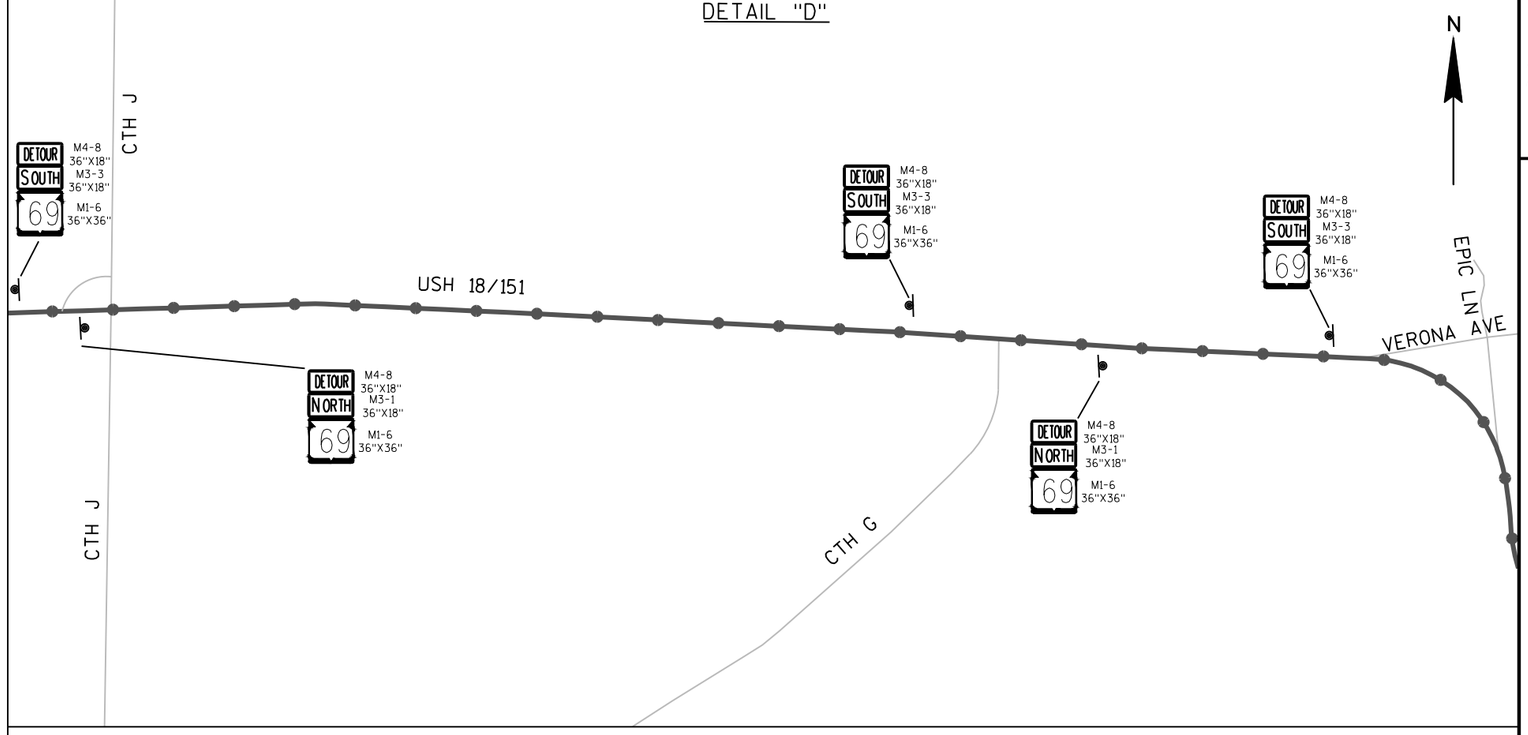
NOTES

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR STANDARD SIDE ROAD SIGNAGE

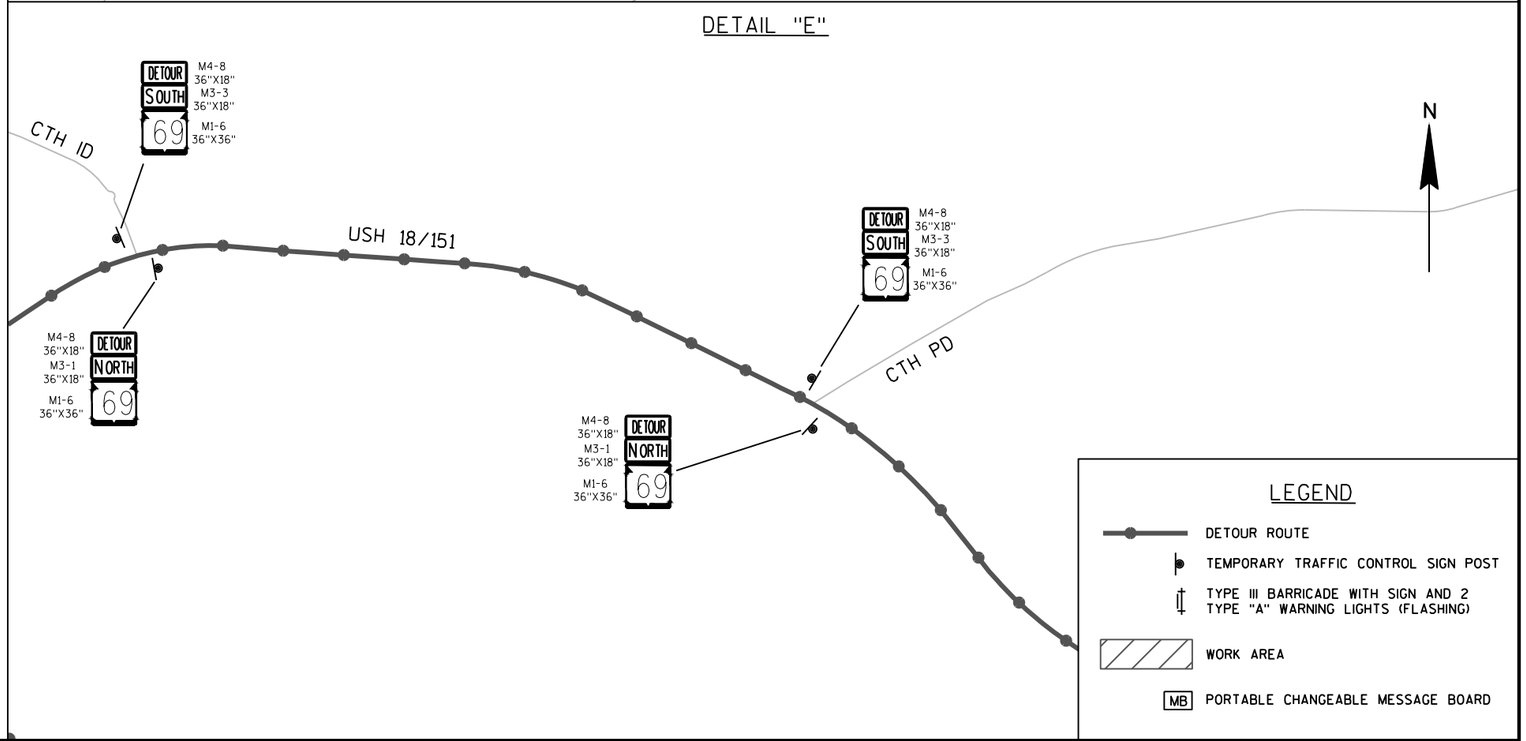
INSTALL TRAFFIC CONTROL SIGNS PCMS AT APPROACHING ROADWAYS 7 DAYS PRIOR TO CONSTRUCTION STAGE. PCMS ON STH 69 PRIOR TO STAGE 1 AND STAGE 2 TO DISPLAY "HWY 69 CLOSED STARTING XX/XX/XX". PCMS ON CTH PB PRIOR TO STAGE 1 TO DISPLAY "HWY PB CLOSED STARTING XX/XX/XX".

STAGE 1 TAKES PLACE FROM THE BEGINNING OF CONSTRUCTION OPERATIONS UNTIL THE SEGMENT OF STH 69 BETWEEN STRUCTURE B-13-0433 AND THE NORTHERN PROJECT LIMITS HAS BEEN COMPLETED TO THE LEVEL SPECIFIED IN THE PROSECUTION AND PROGRESS SECTION OF THE SPECIAL PROVISIONS. STAGE 2 TAKES PLACE THEREAFTER.

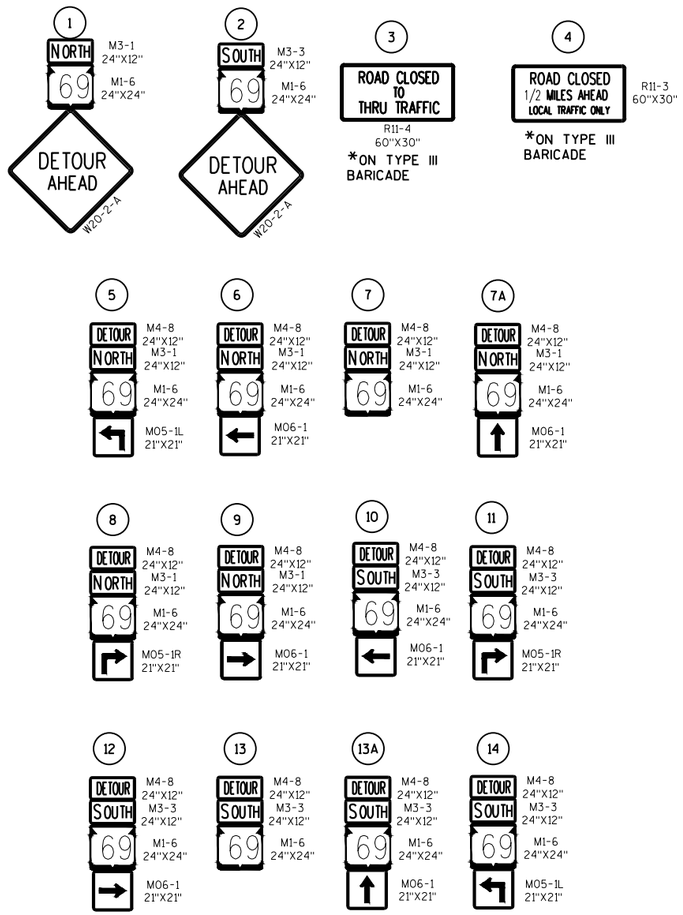
DETAIL "D"

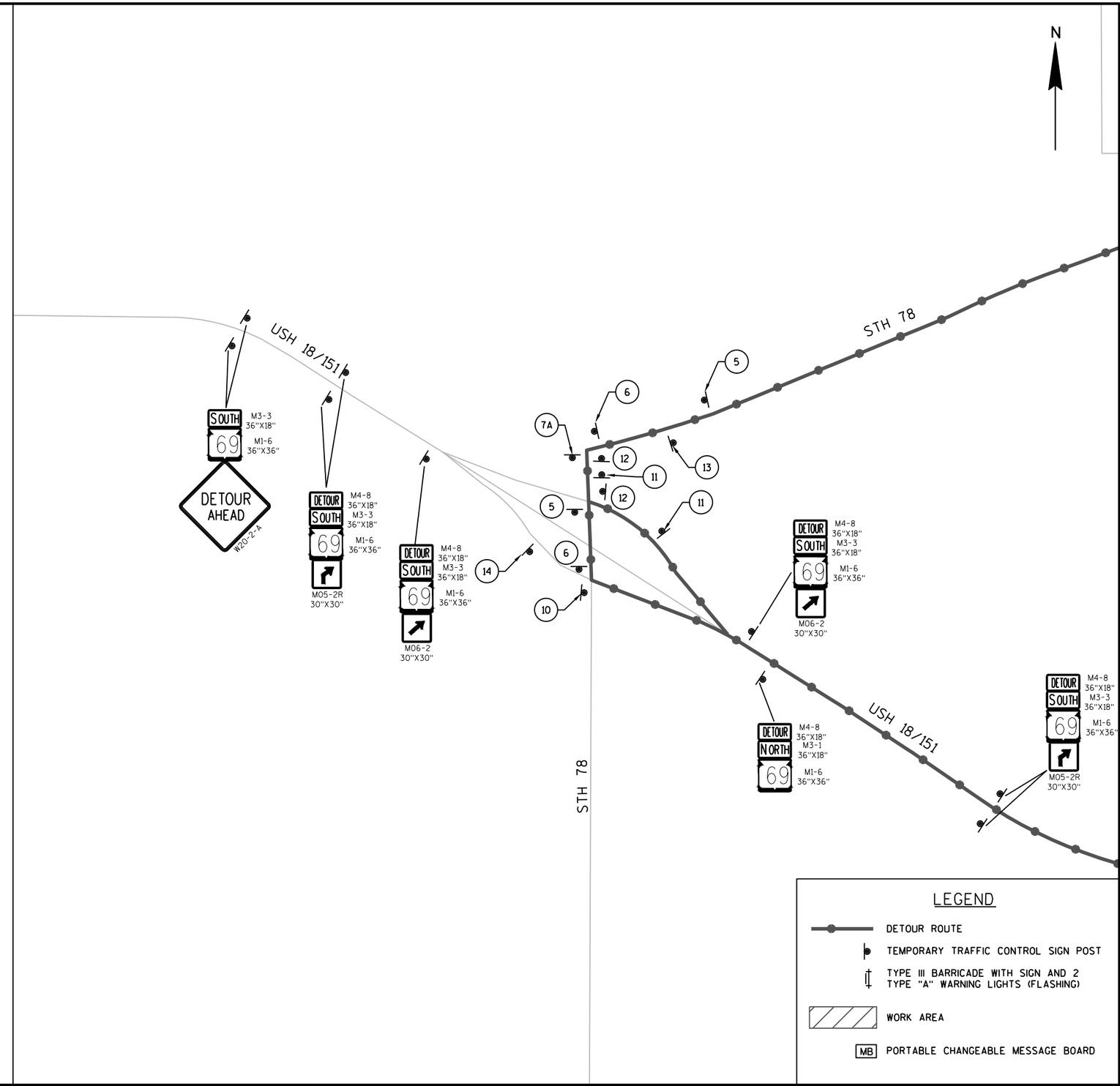


DETAIL "E"



PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	DETOUR ROUTE - STH 69 - PHASE 2 - DETAILS "D" & "E"	SHEET 196 E





NOTES

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR STANDARD SIDE ROAD SIGNAGE

INSTALL TRAFFIC CONTROL SIGNS PCMS AT APPROACHING ROADWAYS 7 DAYS PRIOR TO CONSTRUCTION STAGE. PCMS ON STH 69 PRIOR TO STAGE 1 AND STAGE 2 TO DISPLAY "HWY 69 CLOSED STARTING XX/XX/XX". PCMS ON CTH PB PRIOR TO STAGE 1 TO DISPLAY "HWY PB CLOSED STARTING XX/XX/XX".

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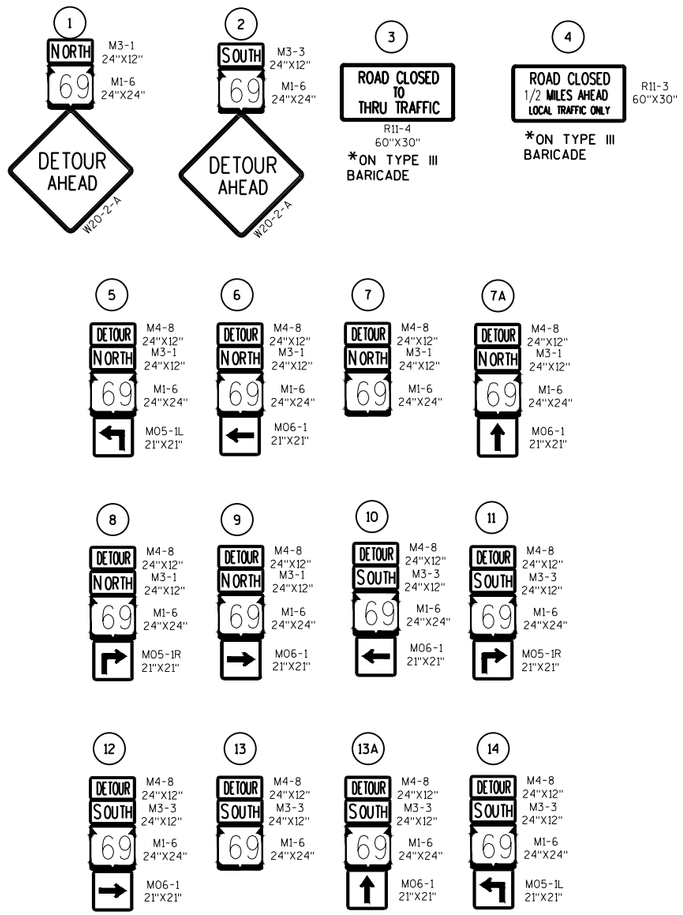
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	DETOUR ROUTE - STH 69 - PHASE 2 - DETAIL "F"	SHEET	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\027002_DT - PHASE 2.DWG
LAYOUT NAME - 027002_DT - PHASE 2 - 027006_DT
PLOT DATE : 7/30/2021 2:55 PM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:1000 FT
WISDOT/CADDS SHEET 42



NOTES

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR STANDARD SIDE ROAD SIGNAGE

INSTALL TRAFFIC CONTROL SIGNS PCMS AT APPROACHING ROADWAYS 7 DAYS PRIOR TO CONSTRUCTION STAGE. PCMS ON STH 69 PRIOR TO STAGE 1 AND STAGE 2 TO DISPLAY "HWY 69 CLOSED STARTING XX/XX/XX". PCMS ON CTH PB PRIOR TO STAGE 1 TO DISPLAY "HWY PB CLOSED STARTING XX/XX/XX".

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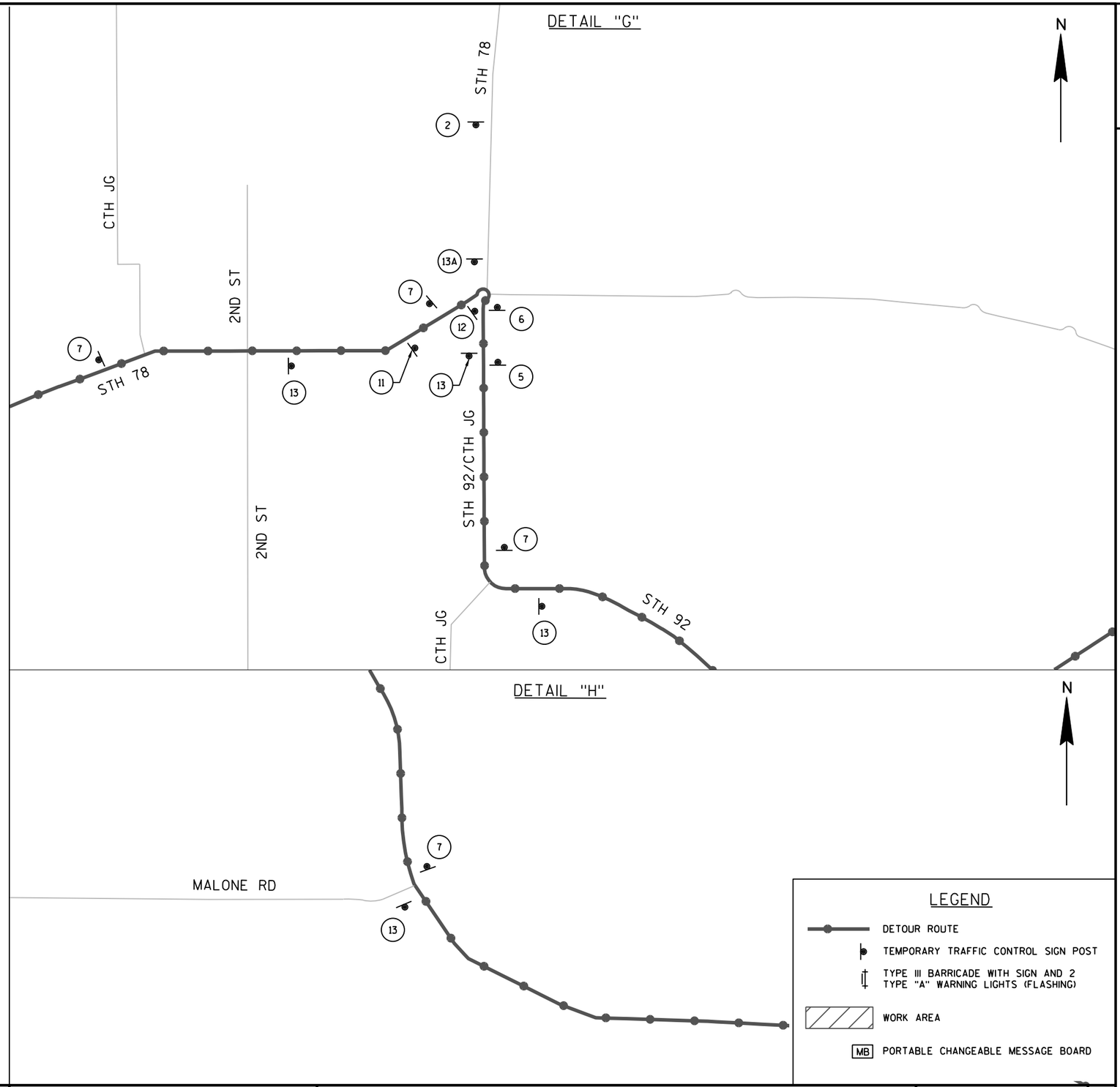

PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	DETOUR ROUTE - STH 69 - PHASE 2 - DETAIL "G" & "H"	SHEET 198 E

1 — NORTH 69 — DETOUR AHEAD W20-2-A — M3-1 24"X12" / M1-6 24"X24"

2 — SOUTH 69 — DETOUR AHEAD W20-2-A — M3-3 24"X12" / M1-6 24"X24"

3 — ROAD CLOSED TO THRU TRAFFIC — R11-4 60"X30" — *ON TYPE III BARICADE

4 — ROAD CLOSED 1/2 MILES AHEAD LOCAL TRAFFIC ONLY — R11-3 60"X30" — *ON TYPE III BARICADE

5 — DETOUR NORTH 69 — M4-8 24"X12" / M3-1 24"X12" / M1-6 24"X24" / M05-1L 21"X21"

6 — DETOUR NORTH 69 — M4-8 24"X12" / M3-1 24"X12" / M1-6 24"X24" / M06-1 21"X21"

7 — DETOUR NORTH 69 — M4-8 24"X12" / M3-1 24"X12" / M1-6 24"X24"

7A — DETOUR NORTH 69 — M4-8 24"X12" / M3-1 24"X12" / M1-6 24"X24" / M06-1 21"X21"

8 — DETOUR NORTH 69 — M4-8 24"X12" / M3-1 24"X12" / M1-6 24"X24" / M05-1R 21"X21"

9 — DETOUR NORTH 69 — M4-8 24"X12" / M3-1 24"X12" / M1-6 24"X24" / M06-1 21"X21"

10 — DETOUR SOUTH 69 — M4-8 24"X12" / M3-3 24"X12" / M1-6 24"X24" / M06-1 21"X21"

11 — DETOUR SOUTH 69 — M4-8 24"X12" / M3-3 24"X12" / M1-6 24"X24" / M05-1R 21"X21"

12 — DETOUR SOUTH 69 — M4-8 24"X12" / M3-3 24"X12" / M1-6 24"X24" / M06-1 21"X21"

13 — DETOUR SOUTH 69 — M4-8 24"X12" / M3-3 24"X12" / M1-6 24"X24"

13A — DETOUR SOUTH 69 — M4-8 24"X12" / M3-3 24"X12" / M1-6 24"X24" / M06-1 21"X21"

14 — DETOUR SOUTH 69 — M4-8 24"X12" / M3-3 24"X12" / M1-6 24"X24" / M05-1L 21"X21"

NOTES

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR STANDARD SIDE ROAD SIGNAGE

INSTALL TRAFFIC CONTROL SIGNS PCMS AT APPROACHING ROADWAYS 7 DAYS PRIOR TO CONSTRUCTION STAGE. PCMS ON STH 69 PRIOR TO STAGE 1 AND STAGE 2 TO DISPLAY "HWY 69 CLOSED STARTING XX/XX/XX". PCMS ON CTH PB PRIOR TO STAGE 1 TO DISPLAY "HWY PB CLOSED STARTING XX/XX/XX".

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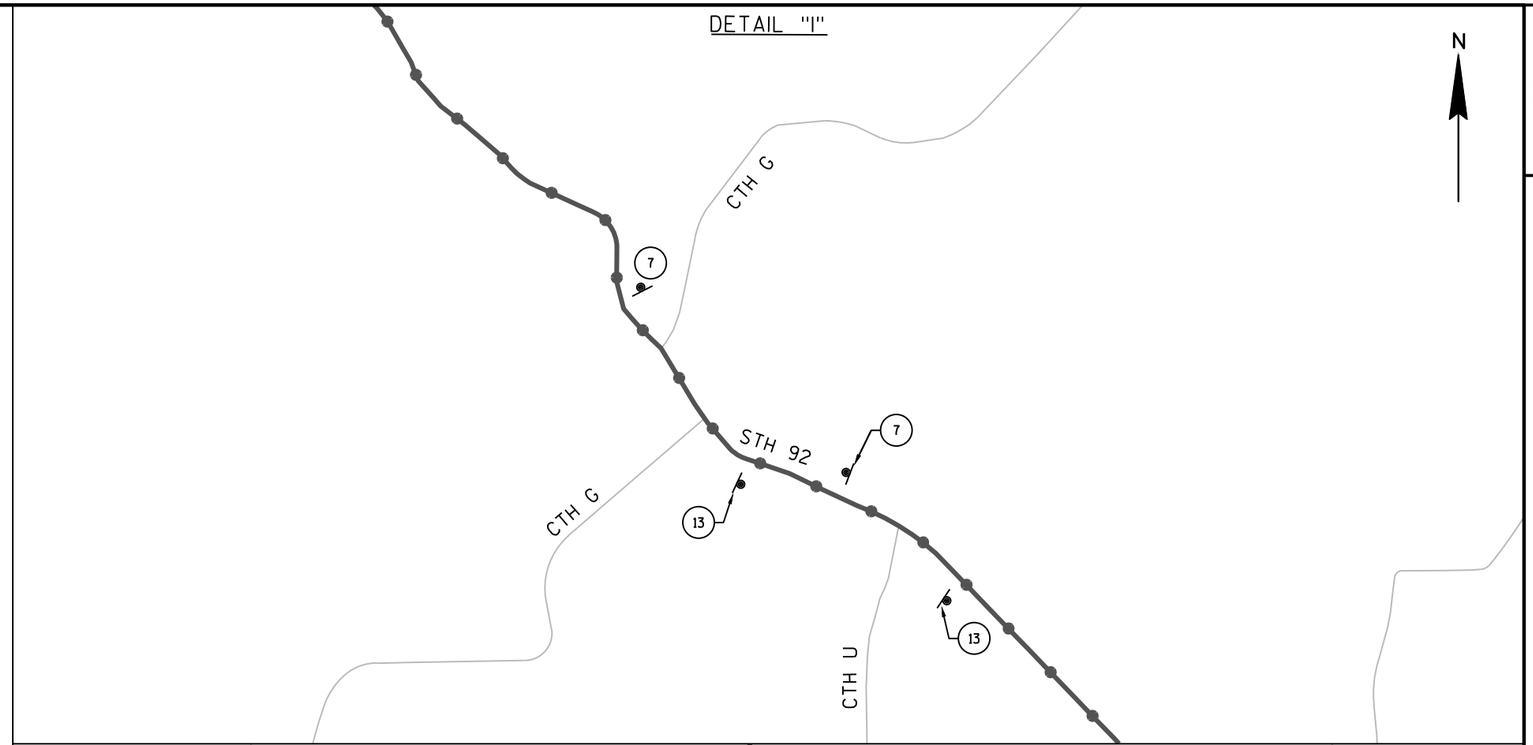
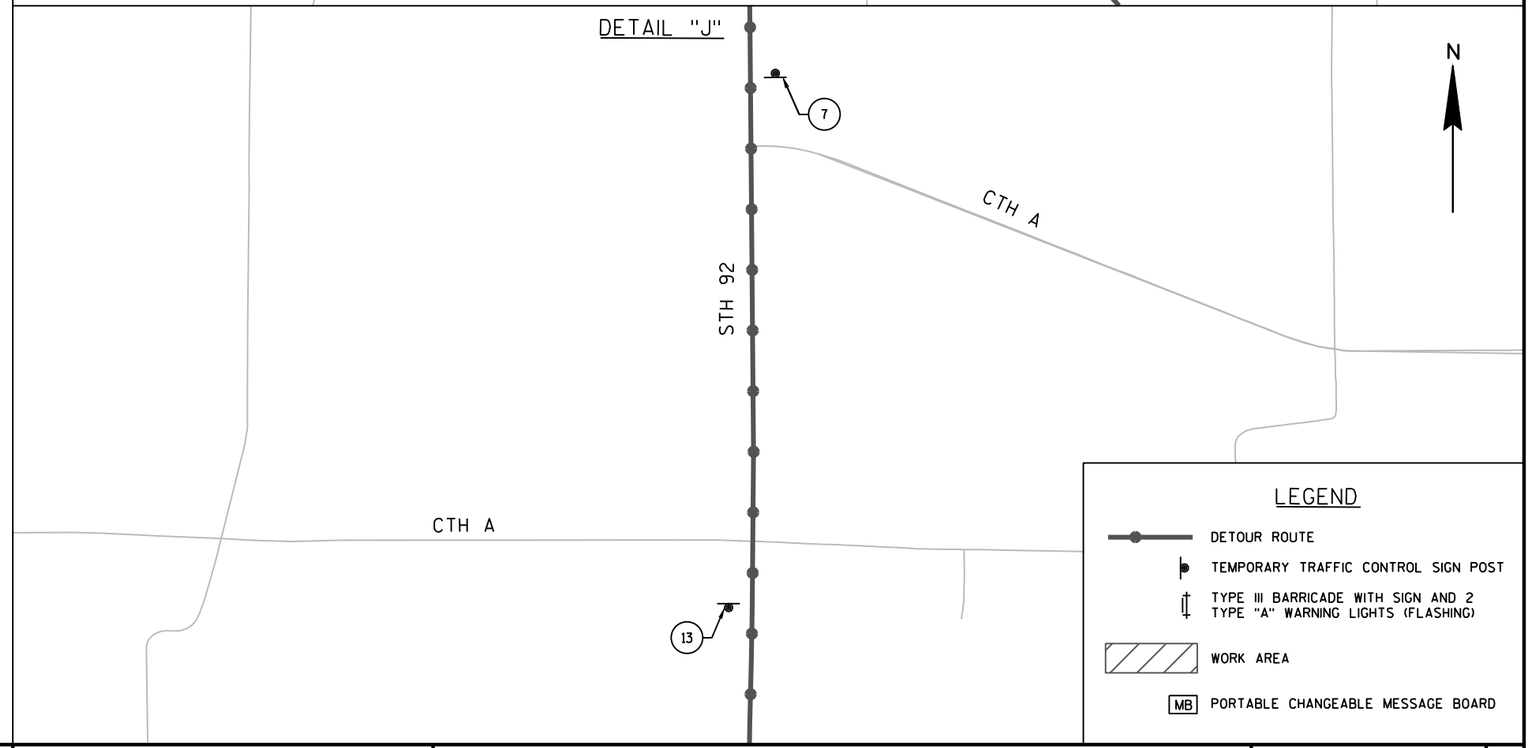
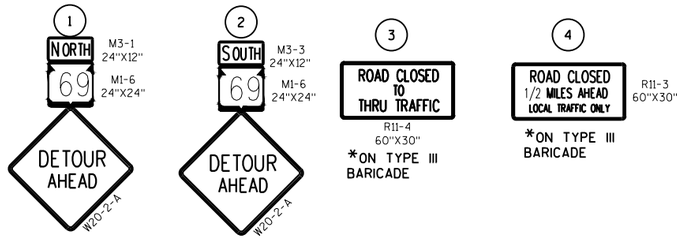
DETAIL "I"



DETAIL "J"



PROJECT NO:1693-05-72	HWY: STH 69	COUNTY: DANE	DETOUR ROUTE - STH 69 - PHASE 2 - DETAILS "I" & "J"	SHEET 199	E



NOTES

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR STANDARD SIDE ROAD SIGNAGE

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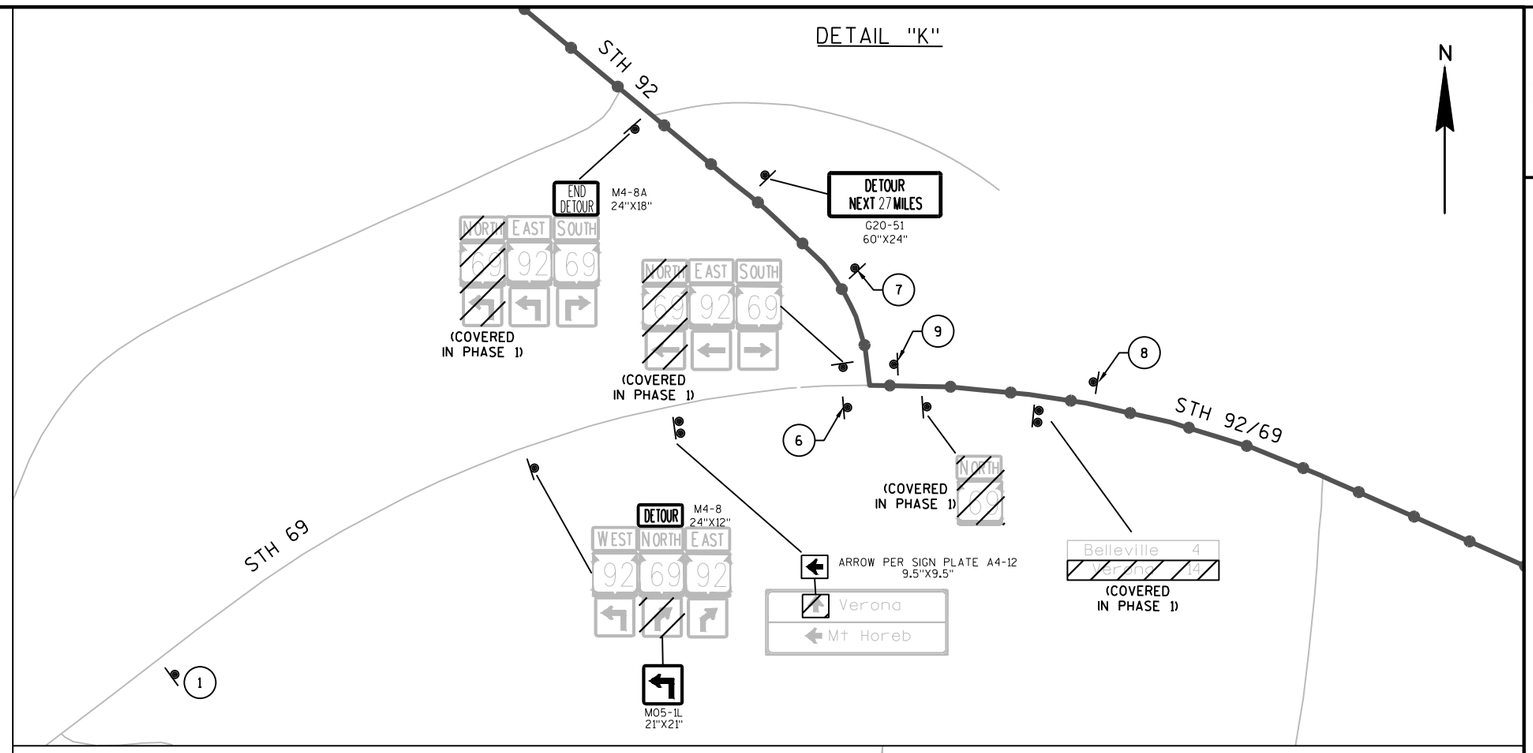
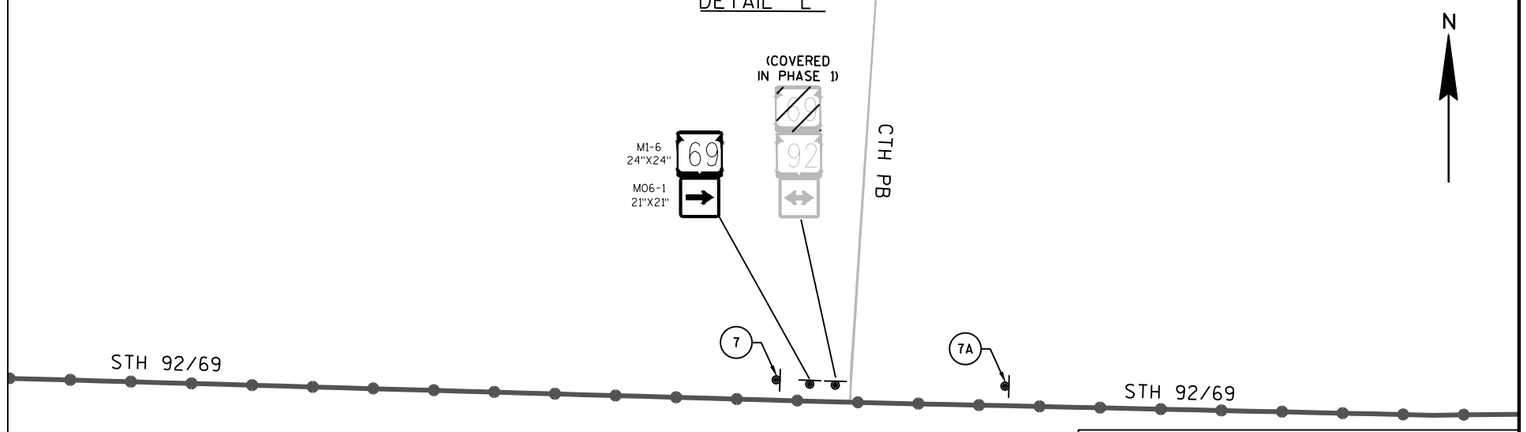
STAGE 1 TAKES PLACE FROM THE BEGINNING OF CONSTRUCTION OPERATIONS UNTIL THE SEGMENT OF STH 69 BETWEEN STRUCTURE B-13-0433 AND THE NORTHERN PROJECT LIMITS HAS BEEN COMPLETED TO THE LEVEL SPECIFIED IN THE PROSECUTION AND PROGRESS SECTION OF THE SPECIAL PROVISIONS. STAGE 2 TAKES PLACE THEREAFTER.

DETAIL "K"



DETAIL "L"



LEGEND

- DETOUR ROUTE
- TEMPORARY TRAFFIC CONTROL SIGN POST
- TYPE III BARRICADE WITH SIGN AND 2 TYPE "A" WARNING LIGHTS (FLASHING)
- WORK AREA
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO:1693-05-72	HWY:STH 69	COUNTY:DANE	DETOUR ROUTE - STH 69 - PHASE 2 - DETAILS "K" & "L"	SHEET 200 E

B1
DETOUR AHEAD
M4-9AA
30"X24"

B2
DETOUR
M4-9AL
30"X24"

B3
DETOUR
M4-9AR
30"X24"

B4
END DETOUR
M4-8A
30"X24"

B5
TRAIL CLOSED
R11-2T
48"X30"
*ON TYPE III BARICADE

B6
DETOUR
M4-9BR
30"X24"

B7
Badger State Trl
Ice Age Trl
FIXED MESSAGE SIGN
36"X12"

B8
DETOUR
FIXED MESSAGE SIGN
30"X24"

NOTES

FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR STANDARD SIDE ROAD SIGNAGE

INSTALL TRAFFIC CONTROL SIGNS PCMS AT APPROACHING ROADWAYS 7 DAYS PRIOR TO CONSTRUCTION STAGE. PCMS ON STH 69 PRIOR TO STAGE 1 AND STAGE 2 TO DISPLAY "HWY 69 CLOSED STARTING XX/XX/XX". PCMS ON CTH PB PRIOR TO STAGE 1 TO DISPLAY "HWY PB CLOSED STARTING XX/XX/XX".

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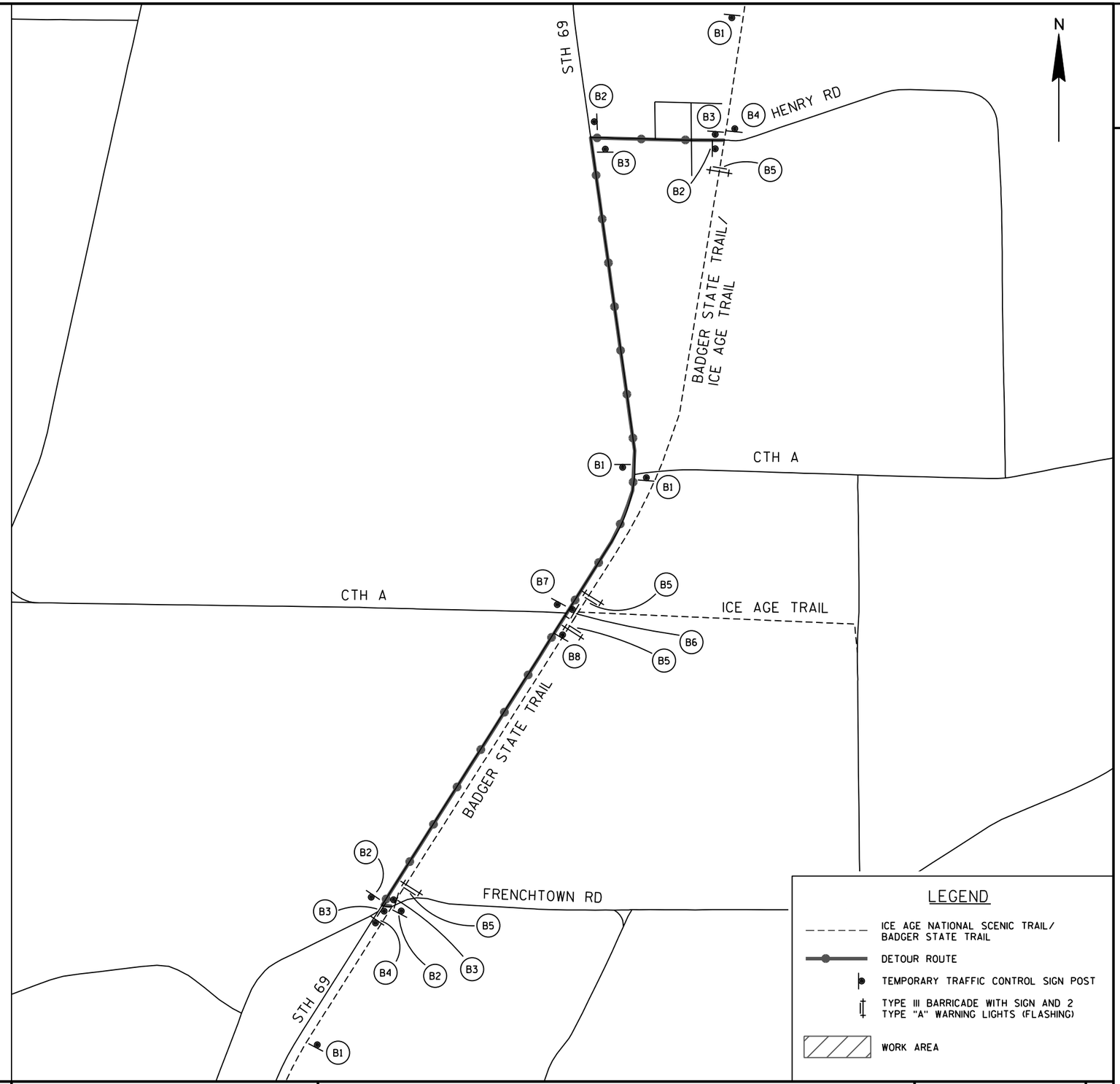


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	DETOUR ROUTE - STH 69 - PHASE 2 - TRAIL DETOUR	SHEET 201	E

2

N

33

32

STH 69

SIDEWALK CLOSED
R9-9
24"X12"

R/W (TYP)

TLE (TYP)

FEDERAL AVE

SI (TYP)

EXISTING
R/W (TYP)

SIDEWALK CLOSED
R9-9
24"X12"

LEGEND

- TYPE II BARRICADE
- TYPE II BARRICADE WITH SIGN
- TEMP CURB RAMP
- TEMP MARKING LINE REMOVABLE TAPE 6-INCH
- TEMP PED SURFACE ASPHALT
- TRAFFIC CONTROL DRUM (25' SPACING)

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	TEMPORARY PEDESTRIAN FACILITIES	SHEET 202	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\027001_DT - PEDACCOMMODATION.DWG
LAYOUT NAME - FEDERAL AVE

PLOT DATE : 6/23/2021 2:42 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

N

SIDEWALK CLOSED
R9-9
24"X12"

R/W (TYP)

TLE (TYP)

38

5TH AVE

STH 69

SI (TYP)

EXISTING
R/W (TYP)

37

SIDEWALK CLOSED
R9-9
24"X12"

LEGEND

- TYPE II BARRICADE
- TYPE II BARRICADE WITH SIGN
- TEMP CURB RAMP
- TEMP MARKING LINE REMOVABLE TAPE 6-INCH
- TEMP PED SURFACE ASPHALT
- TRAFFIC CONTROL DRUM (25' SPACING)

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	TEMPORARY PEDESTRIAN FACILITIES	SHEET 203	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\027001_DT - PEDACCOMMODATION.DWG
LAYOUT NAME - 5TH AVE

PLOT DATE : 6/23/2021 2:42 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

2

N

NORTH SHORE DR

STH 69

42

41

SIDEWALK CLOSED
R9-9
24"X12"

R/W (TYP)

TLE (TYP)

SIDEWALK CLOSED
R9-9
24"X12"

EXISTING
R/W (TYP)

LEGEND

- TYPE II BARRICADE
- TYPE II BARRICADE WITH SIGN
- TEMP CURB RAMP
- TEMP MARKING LINE REMOVABLE TAPE 6-INCH
- TEMP PED SURFACE ASPHALT
- TRAFFIC CONTROL DRUM (25' SPACING)

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	TEMPORARY PEDESTRIAN FACILITIES	SHEET 204	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\027001_DT - PEDACCOMMODATION.DWG
LAYOUT NAME - NORTH SHORE DR

PLOT DATE : 6/23/2021 2:42 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

N

48

47

STH 69

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED
R9-9
24"X12"

GREENWAY CROSS CT

SI (TYP)

R/W (TYP)

EXISTING
R/W (TYP)

LEGEND

- TYPE II BARRICADE
- TYPE II BARRICADE WITH SIGN
- TEMP CURB RAMP
- TEMP MARKING LINE REMOVABLE TAPE 6-INCH
- TEMP PED SURFACE ASPHALT
- TRAFFIC CONTROL DRUM (25' SPACING)

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	TEMPORARY PEDESTRIAN FACILITIES	SHEET 205	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\027001_DT - PEDACCOMMODATION.DWG
LAYOUT NAME - GREENWAY CROSS CT

PLOT DATE : 6/23/2021 2:43 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

2

N

NOTE:
DO NOT CLOSE CURB RAMPS IN NW QUADRANT OF KARL AVE INTERSECTION UNTIL CURB RAMPS IN SE AND SW QUADRANTS ARE CONSTRUCTED.

KARL AVE

SIDEWALK CLOSED
R9-9
24"X12"

TLE (TYP)

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED
R9-9
24"X12"

SI (TYP)

53

52

STH 69

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED
R9-9
24"X12"

EXISTING
R/W (TYP)

LEGEND

- TYPE II BARRICADE
- TYPE II BARRICADE WITH SIGN
- TEMP CURB RAMP
- TEMP MARKING LINE REMOVABLE TAPE 6-INCH
- TEMP PED SURFACE ASPHALT
- TEMP PED BARRICADE
- TRAFFIC CONTROL DRUM (25' SPACING)

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	TEMPORARY PEDESTRIAN FACILITIES	SHEET 206	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\027001_DT - PEDACCOMMODATION.DWG
LAYOUT NAME - KARL AVE

PLOT DATE : 6/23/2021 2:43 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

NOTE:
DO NOT CLOSE CURB RAMPS IN NW QUADRANT OF KARL AVE INTERSECTION UNTIL CURB RAMPS IN SE AND SW QUADRANTS ARE CONSTRUCTED.

TLE (TYP)

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED
R9-9
24"X12"

BOWLAVARD AVE

SIDEWALK CLOSED
R9-9
24"X12"

R/W (TYP)

SI (TYP)

SIDEWALK CLOSED
R9-9
24"X12"

64

STH 69

63

EXISTING
R/W (TYP)

N

2

LEGEND

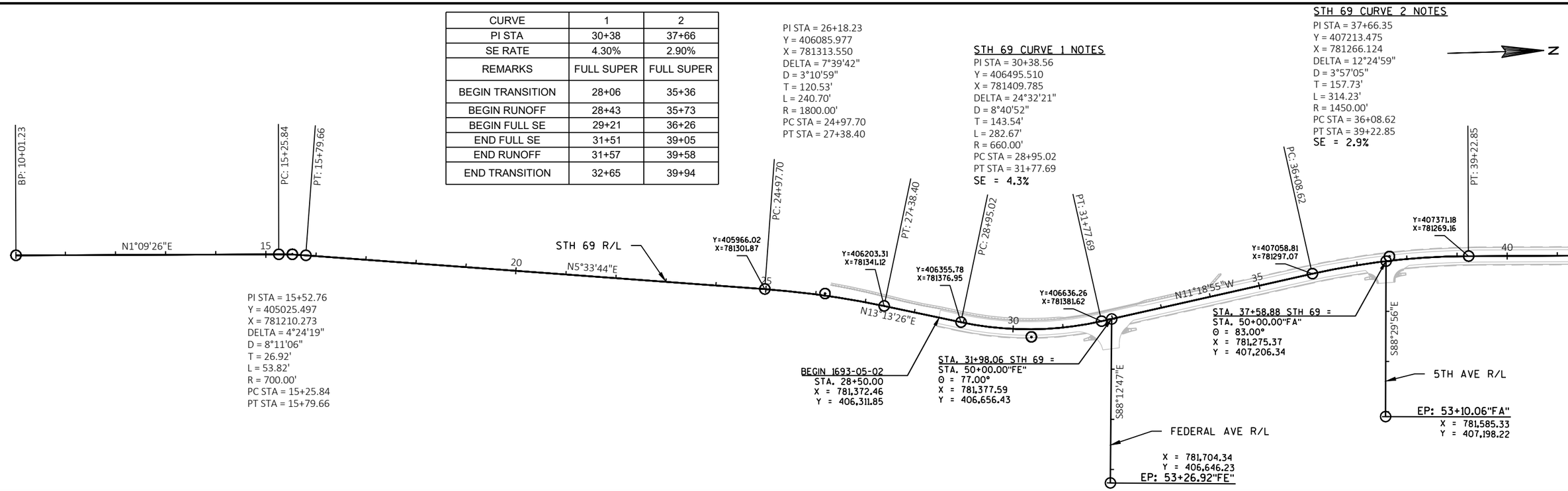
- TYPE II BARRICADE
- TYPE II BARRICADE WITH SIGN
- TEMP CURB RAMP
- TEMP MARKING LINE REMOVABLE TAPE 6-INCH
- TEMP PED SURFACE ASPHALT
- TRAFFIC CONTROL DRUM (25' SPACING)

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	TEMPORARY PEDESTRIAN FACILITIES	SHEET 207	E

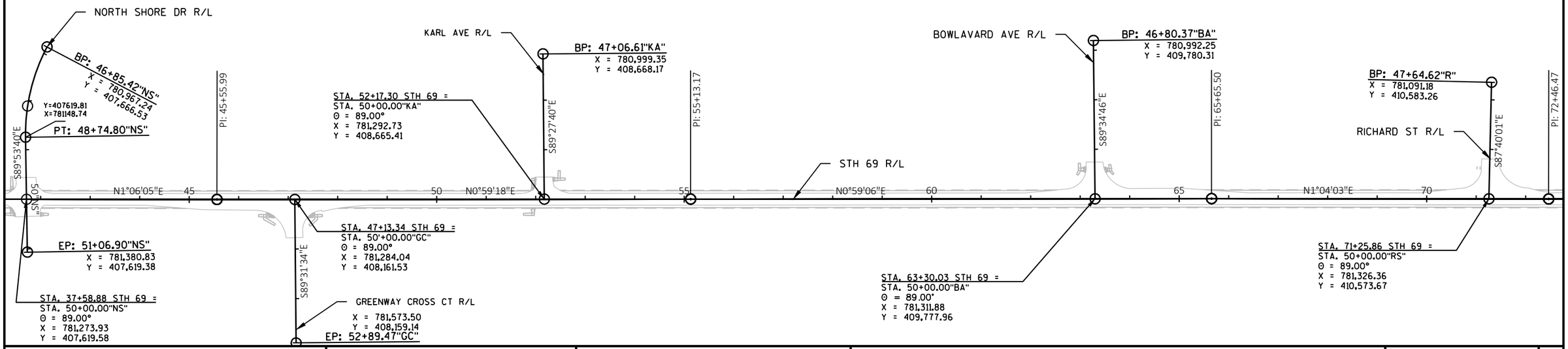
FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\027001_DT - PEDACCOMMODATION.DWG
LAYOUT NAME - BOWLAVARD AVE

PLOT DATE : 6/23/2021 2:43 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT

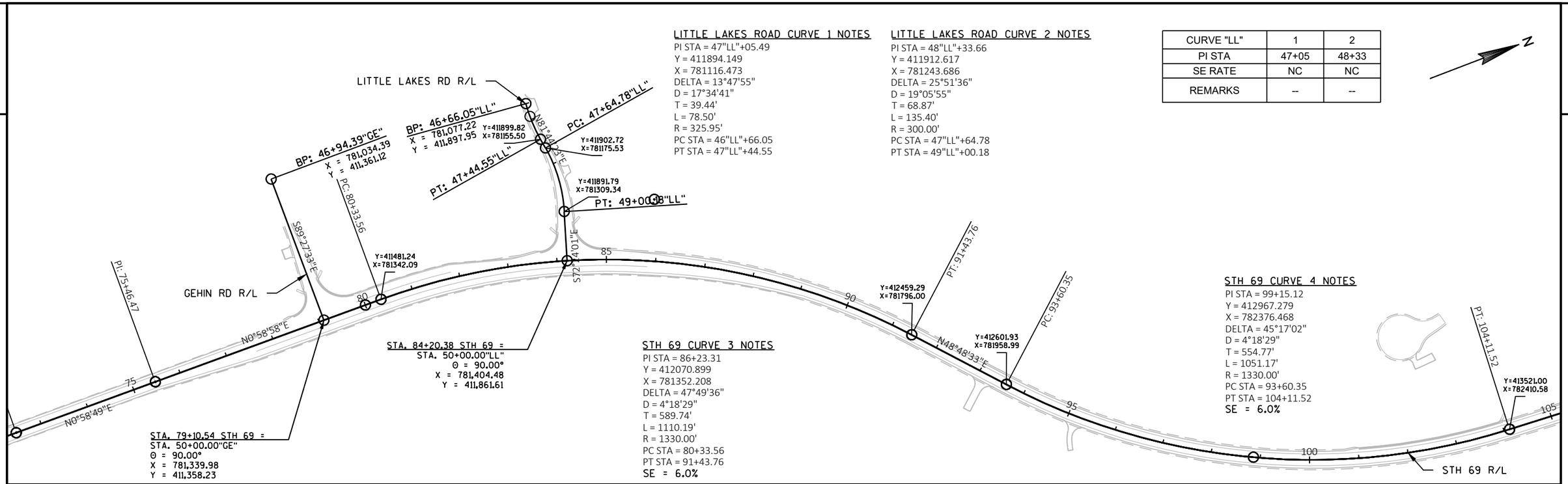
CURVE	1	2
PI STA	30+38	37+66
SE RATE	4.30%	2.90%
REMARKS	FULL SUPER	FULL SUPER
BEGIN TRANSITION	28+06	35+36
BEGIN RUNOFF	28+43	35+73
BEGIN FULL SE	29+21	36+26
END FULL SE	31+51	39+05
END RUNOFF	31+57	39+58
END TRANSITION	32+65	39+94



NORTH SHORE DRIVE CURVE NOTES
PI STA = 47"NS"+82.14
Y = 407619.990
X = 781052.018
DELTA = 28°39'39"
D = 15°08'01"
T = 96.72'
L = 189.38'
R = 378.60'
PC STA = 46"NS"+85.42
PT STA = 48"NS"+74.80



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 208	E



LITTLE LAKES ROAD CURVE 1 NOTES
PI STA = 47"LL"+05.49
Y = 411894.149
X = 781116.473
DELTA = 13°47'55"
D = 17°34'41"
T = 39.44'
L = 78.50'
R = 325.95'
PC STA = 46"LL"+66.05
PT STA = 47"LL"+44.55

LITTLE LAKES ROAD CURVE 2 NOTES
PI STA = 48"LL"+33.66
Y = 411912.617
X = 781243.686
DELTA = 25°51'36"
D = 19°05'55"
T = 68.87'
L = 135.40'
R = 300.00'
PC STA = 47"LL"+64.78
PT STA = 49"LL"+00.18

CURVE "LL"	1	2
PI STA	47+05	48+33
SE RATE	NC	NC
REMARKS	--	--

STH 69 CURVE 3 NOTES
PI STA = 86+23.31
Y = 412070.899
X = 781352.208
DELTA = 47°49'36"
D = 4°18'29"
T = 589.74'
L = 1110.19'
R = 1330.00'
PC STA = 80+33.56
PT STA = 91+43.76
SE = 6.0%

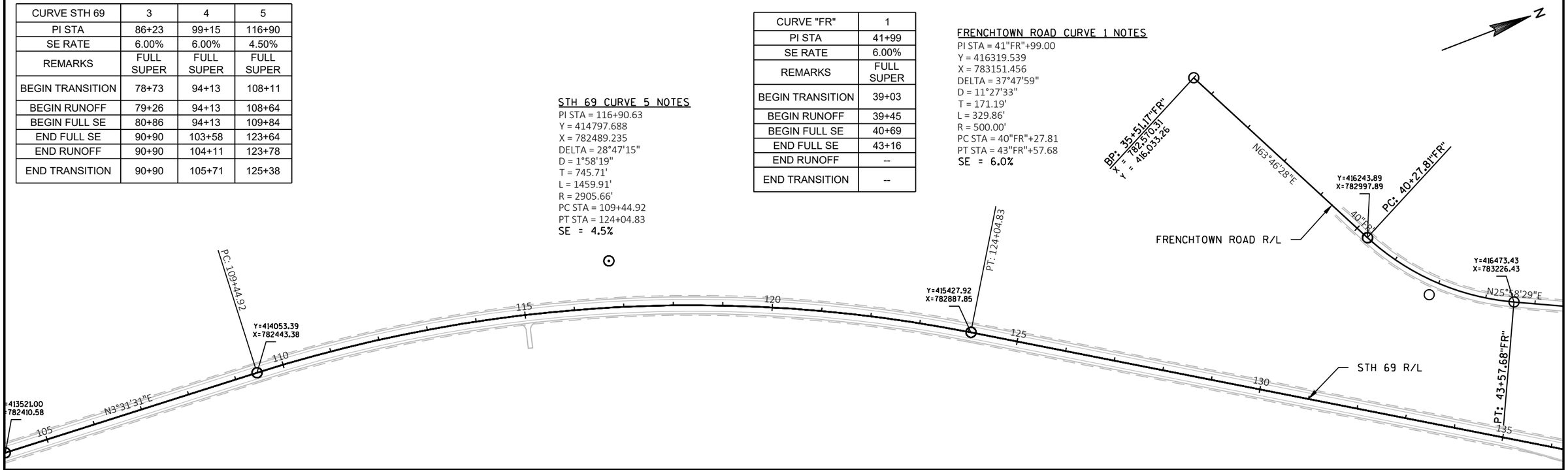
STH 69 CURVE 4 NOTES
PI STA = 99+15.12
Y = 412967.279
X = 782376.468
DELTA = 45°17'02"
D = 4°18'29"
T = 554.77'
L = 1051.17'
R = 1330.00'
PC STA = 93+60.35
PT STA = 104+11.52
SE = 6.0%

CURVE STH 69	3	4	5
PI STA	86+23	99+15	116+90
SE RATE	6.00%	6.00%	4.50%
REMARKS	FULL SUPER	FULL SUPER	FULL SUPER
BEGIN TRANSITION	78+73	94+13	108+11
BEGIN RUNOFF	79+26	94+13	108+64
BEGIN FULL SE	80+86	94+13	109+84
END FULL SE	90+90	103+58	123+64
END RUNOFF	90+90	104+11	123+78
END TRANSITION	90+90	105+71	125+38

STH 69 CURVE 5 NOTES
PI STA = 116+90.63
Y = 414797.688
X = 782489.235
DELTA = 28°47'15"
D = 1°58'19"
T = 745.71'
L = 1459.91'
R = 2905.66'
PC STA = 109+44.92
PT STA = 124+04.83
SE = 4.5%

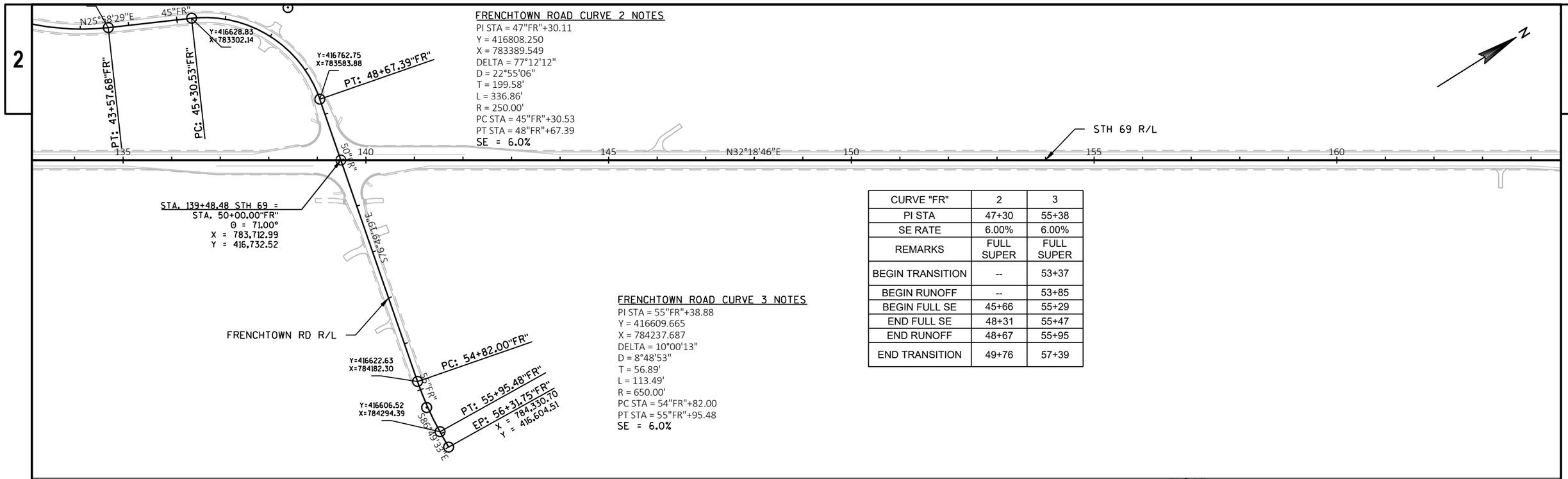
CURVE "FR"	1
PI STA	41+99
SE RATE	6.00%
REMARKS	FULL SUPER
BEGIN TRANSITION	39+03
BEGIN RUNOFF	39+45
BEGIN FULL SE	40+69
END FULL SE	43+16
END RUNOFF	--
END TRANSITION	--

FRENCHTOWN ROAD CURVE 1 NOTES
PI STA = 41"FR"+99.00
Y = 416319.539
X = 783151.456
DELTA = 37°47'59"
D = 11°27'33"
T = 171.19'
L = 329.86'
R = 500.00'
PC STA = 40"FR"+27.81
PT STA = 43"FR"+57.68
SE = 6.0%



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 209	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 027202
PLOT DATE : 7/30/2021 12:34 PM
PLOT BY : BRAD GROH
PLOT NAME :
PLOT SCALE : 1 IN: 200 FT



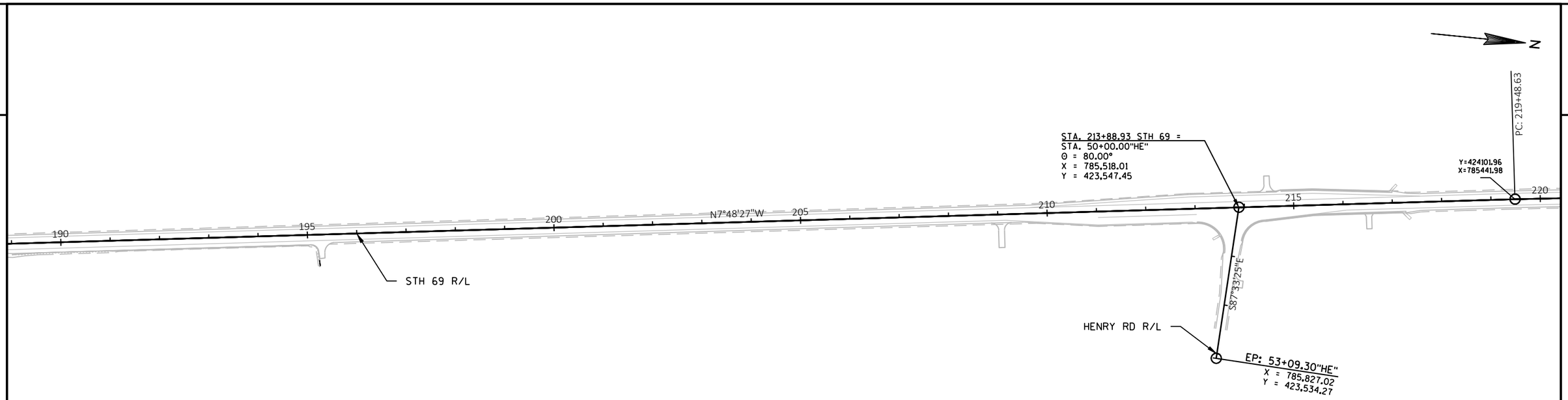
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 210	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 027203

PLOT DATE : 7/30/2021 12:34 PM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:200 FT

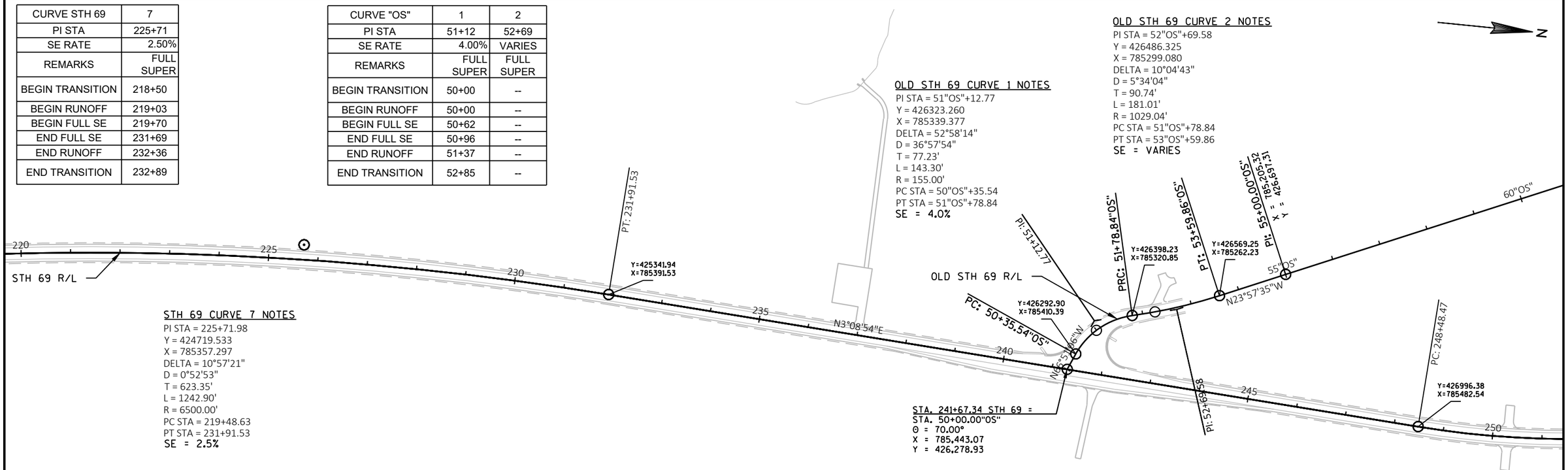
WISDOT/CADDS SHEET 42

2



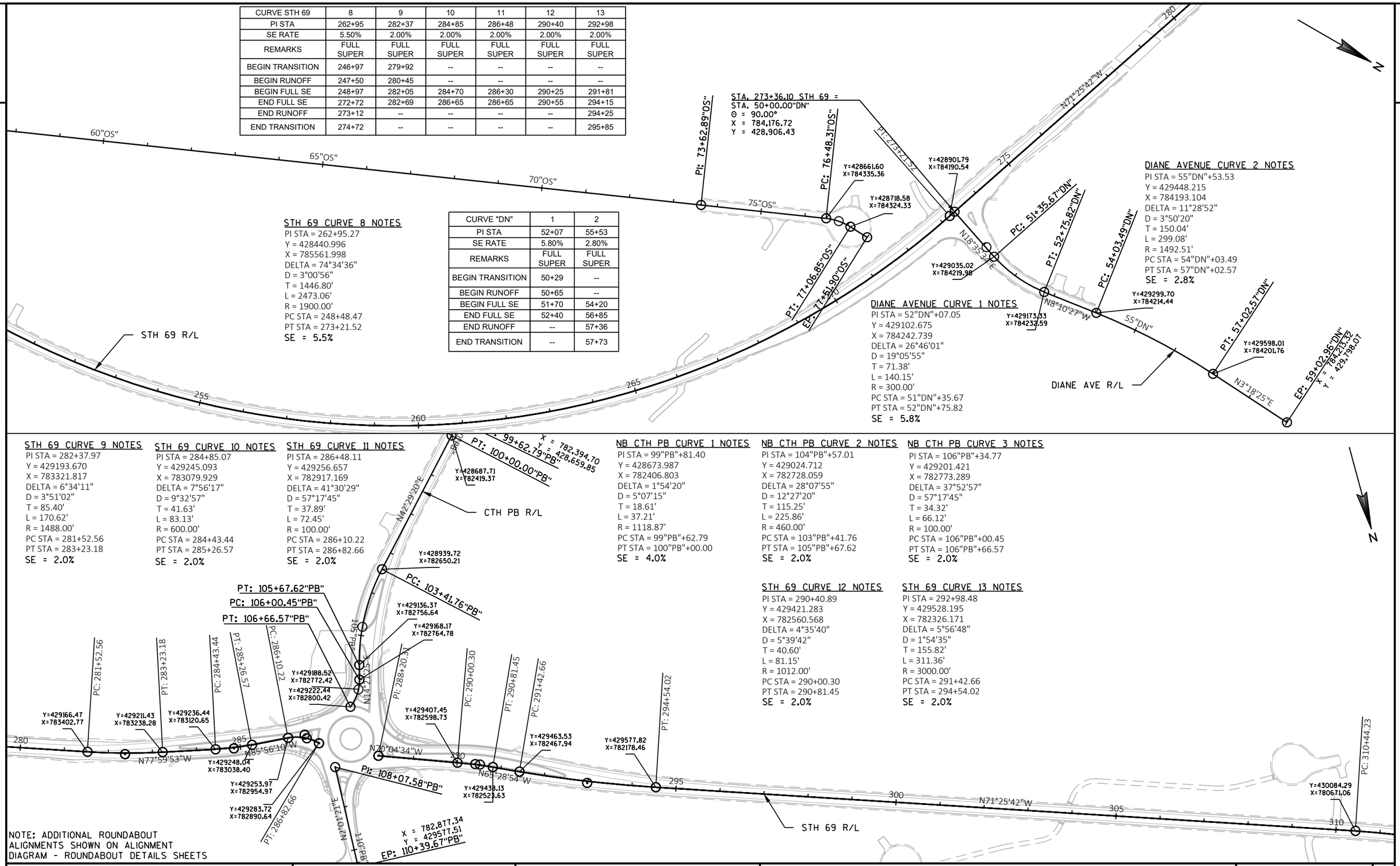
CURVE STH 69	7
PI STA	225+71
SE RATE	2.50%
REMARKS	FULL SUPER
BEGIN TRANSITION	218+50
BEGIN RUNOFF	219+03
BEGIN FULL SE	219+70
END FULL SE	231+69
END RUNOFF	232+36
END TRANSITION	232+89

CURVE "OS"	1	2
PI STA	51+12	52+69
SE RATE	4.00%	VARIES
REMARKS	FULL SUPER	FULL SUPER
BEGIN TRANSITION	50+00	--
BEGIN RUNOFF	50+00	--
BEGIN FULL SE	50+62	--
END FULL SE	50+96	--
END RUNOFF	51+37	--
END TRANSITION	52+85	--



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 211	E

CURVE STH 69	8	9	10	11	12	13
PI STA	262+95	282+37	284+85	286+48	290+40	292+98
SE RATE	5.50%	2.00%	2.00%	2.00%	2.00%	2.00%
REMARKS	FULL SUPER	FULL SUPER	FULL SUPER	FULL SUPER	FULL SUPER	FULL SUPER
BEGIN TRANSITION	246+97	279+92	--	--	--	--
BEGIN RUNOFF	247+50	280+45	--	--	--	--
BEGIN FULL SE	248+97	282+05	284+70	286+30	290+25	291+81
END FULL SE	272+72	282+69	286+65	286+65	290+55	294+15
END RUNOFF	273+12	--	--	--	--	294+25
END TRANSITION	274+72	--	--	--	--	295+85



CURVE "DN"	1	2
PI STA	52+07	55+53
SE RATE	5.80%	2.80%
REMARKS	FULL SUPER	FULL SUPER
BEGIN TRANSITION	50+29	--
BEGIN RUNOFF	50+65	--
BEGIN FULL SE	51+70	54+20
END FULL SE	52+40	56+85
END RUNOFF	--	57+36
END TRANSITION	--	57+73

STH 69 CURVE 8 NOTES
PI STA = 262+95.27
Y = 428440.996
X = 785561.998
DELTA = 74°34'36"
D = 3°00'56"
T = 1446.80'
L = 2473.06'
R = 1900.00'
PC STA = 248+48.47
PT STA = 273+21.52
SE = 5.5%

DIANE AVENUE CURVE 1 NOTES
PI STA = 52"DN"+07.05
Y = 429102.675
X = 784242.739
DELTA = 26°46'01"
D = 19°05'55"
T = 71.38'
L = 140.15'
R = 300.00'
PC STA = 51"DN"+35.67
PT STA = 52"DN"+75.82
SE = 5.8%

DIANE AVENUE CURVE 2 NOTES
PI STA = 55"DN"+53.53
Y = 429448.215
X = 784193.104
DELTA = 11°28'52"
D = 3°50'20"
T = 150.04'
L = 299.08'
R = 1492.51'
PC STA = 54"DN"+03.49
PT STA = 57"DN"+02.57
SE = 2.8%

STH 69 CURVE 9 NOTES
PI STA = 282+37.97
Y = 429193.670
X = 783321.817
DELTA = 6°34'11"
D = 3°51'02"
T = 85.40'
L = 170.62'
R = 1488.00'
PC STA = 281+52.56
PT STA = 283+23.18
SE = 2.0%

STH 69 CURVE 10 NOTES
PI STA = 284+85.07
Y = 429245.093
X = 783079.929
DELTA = 7°56'17"
D = 9°32'57"
T = 41.63'
L = 83.13'
R = 600.00'
PC STA = 284+43.44
PT STA = 285+26.57
SE = 2.0%

STH 69 CURVE 11 NOTES
PI STA = 286+48.11
Y = 429256.657
X = 782917.169
DELTA = 41°30'29"
D = 57°17'45"
T = 37.89'
L = 72.45'
R = 100.00'
PC STA = 286+10.22
PT STA = 286+82.66
SE = 2.0%

NB CTH PB CURVE 1 NOTES
PI STA = 99"PB"+81.40
Y = 428673.987
X = 782406.803
DELTA = 1°54'20"
D = 5°07'15"
T = 18.61'
L = 37.21'
R = 1118.87'
PC STA = 99"PB"+62.79
PT STA = 100"PB"+00.00
SE = 4.0%

NB CTH PB CURVE 2 NOTES
PI STA = 104"PB"+57.01
Y = 429024.712
X = 782728.059
DELTA = 28°07'55"
D = 12°27'20"
T = 115.25'
L = 225.86'
R = 460.00'
PC STA = 103"PB"+41.76
PT STA = 105"PB"+67.62
SE = 2.0%

NB CTH PB CURVE 3 NOTES
PI STA = 106"PB"+34.77
Y = 429201.421
X = 782773.289
DELTA = 37°52'57"
D = 57°17'45"
T = 34.32'
L = 66.12'
R = 100.00'
PC STA = 106"PB"+00.45
PT STA = 106"PB"+66.57
SE = 2.0%

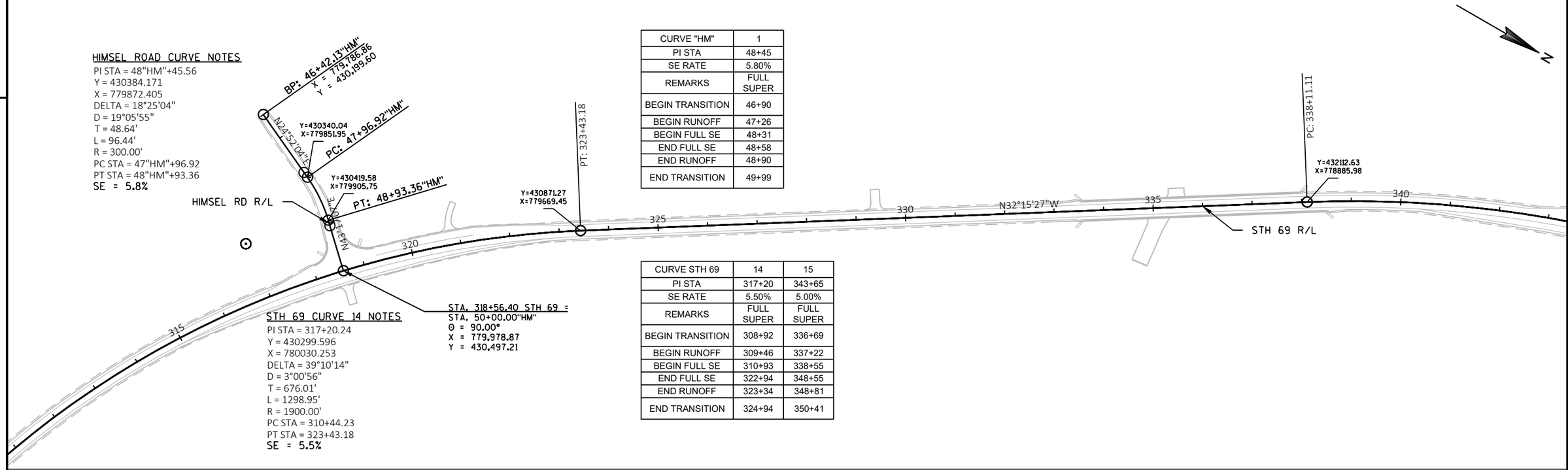
STH 69 CURVE 12 NOTES
PI STA = 290+40.89
Y = 429421.283
X = 782560.568
DELTA = 4°35'40"
D = 5°39'42"
T = 40.60'
L = 81.15'
R = 1012.00'
PC STA = 290+00.30
PT STA = 290+81.45
SE = 2.0%

STH 69 CURVE 13 NOTES
PI STA = 292+98.48
Y = 429528.195
X = 782326.171
DELTA = 5°56'48"
D = 1°54'35"
T = 155.82'
L = 311.36'
R = 3000.00'
PC STA = 291+42.66
PT STA = 294+54.02
SE = 2.0%

NOTE: ADDITIONAL ROUNDABOUT ALIGNMENTS SHOWN ON ALIGNMENT DIAGRAM - ROUNDABOUT DETAILS SHEETS

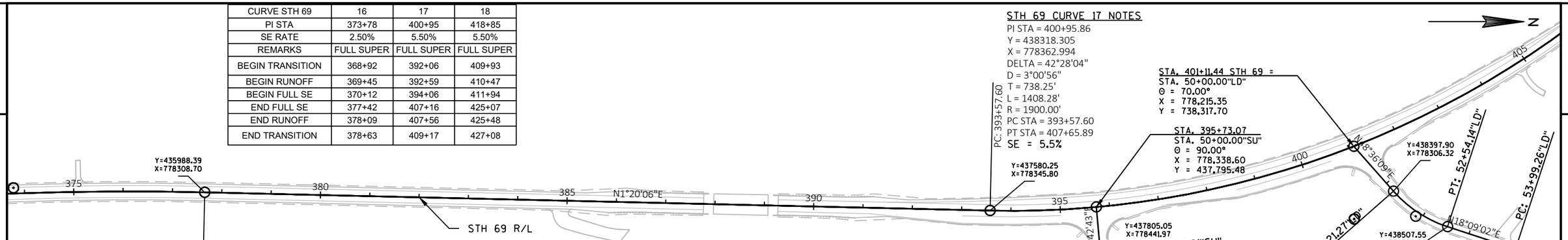
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 212	E

2



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 213	E

CURVE STH 69	16	17	18
PI STA	373+78	400+95	418+85
SE RATE	2.50%	5.50%	5.50%
REMARKS	FULL SUPER	FULL SUPER	FULL SUPER
BEGIN TRANSITION	368+92	392+06	409+93
BEGIN RUNOFF	369+45	392+59	410+47
BEGIN FULL SE	370+12	394+06	411+94
END FULL SE	377+42	407+16	425+07
END RUNOFF	378+09	407+56	425+48
END TRANSITION	378+63	409+17	427+08



STH 69 CURVE 16 NOTES

PI STA = 373+78.32
Y = 435600.586
X = 778299.664
DELTA = 6°49'50"
D = 0°52'53"
T = 387.91'
L = 774.90'
R = 6500.00'
PC STA = 369+90.41
PT STA = 377+65.31
SE = 2.5%

PT: 377+65.31

CURVE "SU"	1	2
PI STA	51+22	52+82
SE RATE	4.00%	NC
REMARKS	FLL SUPER	FULL SUPER
BEGIN TRANSITION	--	--
BEGIN RUNOFF	--	--
BEGIN FULL SE	--	--
END FULL SE	51+16	--
END RUNOFF	51+89	--
END TRANSITION	52+25	--

SUNSET DRIVE CURVE 1 NOTES

PI STA = 51"SU"+22.16
Y = 437806.738
X = 778460.239
DELTA = 6°59'53"
D = 19°05'50"
T = 18.34'
L = 36.64'
R = 300.02'
PC STA = 51"SU"+03.81
PT STA = 51"SU"+40.45
SE = 4.0%

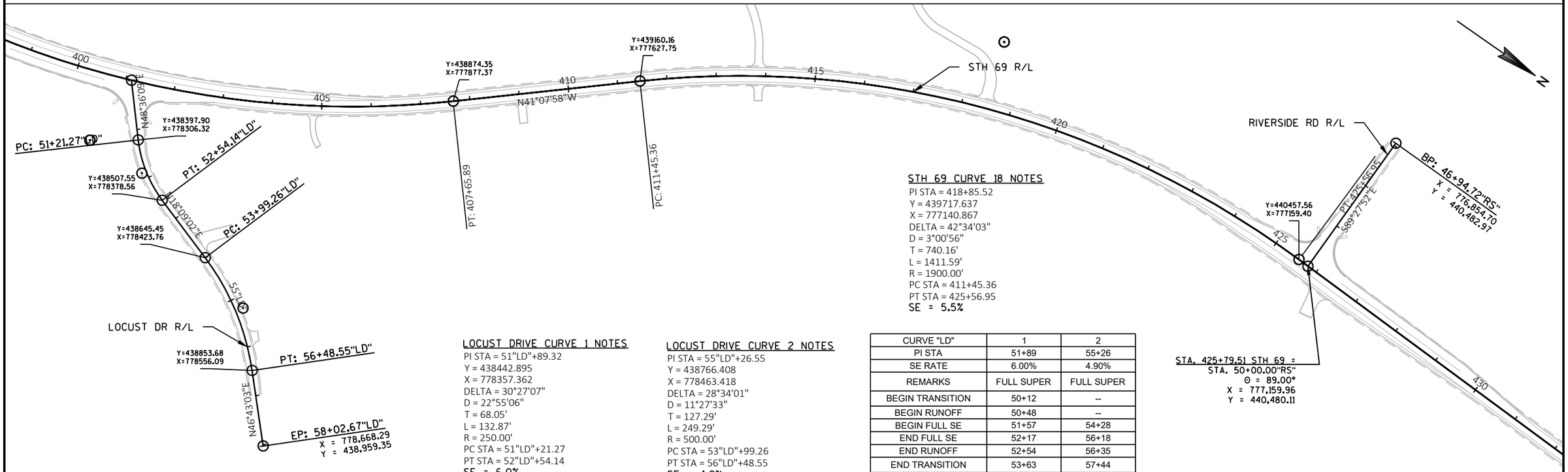
SUNSET DRIVE CURVE 2 NOTES

PI STA = 52"SU"+82.72
Y = 437801.945
X = 778620.779
DELTA = 0°29'09"
D = 0°57'54"
T = 25.17'
L = 50.35'
R = 5937.54'
PC STA = 52"SU"+57.55
PT STA = 53"SU"+07.90
SE = NC

STH 69 CURVE 17 NOTES

PI STA = 400+95.86
Y = 438318.305
X = 778362.994
DELTA = 42°28'04"
D = 3°00'56"
T = 738.25'
L = 1408.28'
R = 1900.00'
PC STA = 393+57.60
PT STA = 407+65.89
SE = 5.5%

PC: 393+57.60



STH 69 CURVE 18 NOTES

PI STA = 418+85.52
Y = 439717.637
X = 777140.867
DELTA = 42°34'03"
D = 3°00'56"
T = 740.16'
L = 1411.59'
R = 1900.00'
PC STA = 411+45.36
PT STA = 425+56.95
SE = 5.5%

PT: 407+65.89

PC: 411+45.36

LOCUST DRIVE CURVE 1 NOTES

PI STA = 51"LD"+89.32
Y = 438442.895
X = 778357.362
DELTA = 30°27'07"
D = 22°55'06"
T = 68.05'
L = 132.87'
R = 250.00'
PC STA = 51"LD"+21.27
PT STA = 52"LD"+54.14
SE = 6.0%

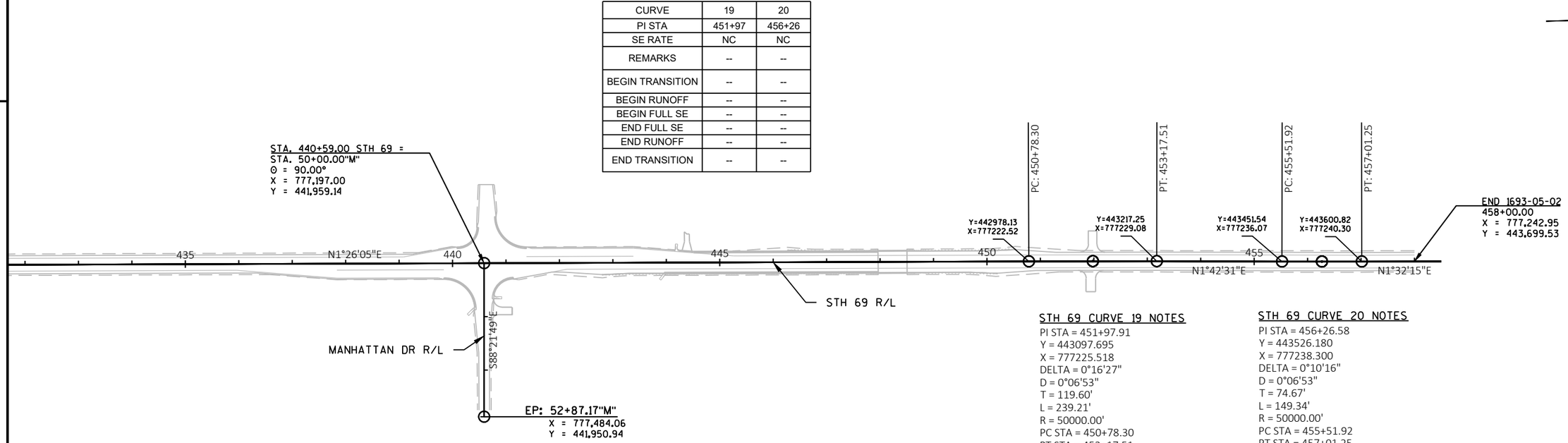
LOCUST DRIVE CURVE 2 NOTES

PI STA = 55"LD"+26.55
Y = 438766.408
X = 778463.418
DELTA = 28°34'01"
D = 11°27'33"
T = 127.29'
L = 249.29'
R = 500.00'
PC STA = 53"LD"+99.26
PT STA = 56"LD"+48.55
SE = 4.9%

CURVE "LD"	1	2
PI STA	51+89	55+26
SE RATE	6.00%	4.90%
REMARKS	FULL SUPER	FULL SUPER
BEGIN TRANSITION	50+12	--
BEGIN RUNOFF	50+48	--
BEGIN FULL SE	51+57	54+28
END FULL SE	52+17	56+18
END RUNOFF	52+54	56+35
END TRANSITION	53+63	57+44

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 214	E

CURVE	19	20
PI STA	451+97	456+26
SE RATE	NC	NC
REMARKS	--	--
BEGIN TRANSITION	--	--
BEGIN RUNOFF	--	--
BEGIN FULL SE	--	--
END FULL SE	--	--
END RUNOFF	--	--
END TRANSITION	--	--



STH 69 CURVE 19 NOTES
PI STA = 451+97.91
Y = 443097.695
X = 777225.518
DELTA = 0°16'27"
D = 0°06'53"
T = 119.60'
L = 239.21'
R = 50000.00'
PC STA = 450+78.30
PT STA = 453+17.51
SE = NC

STH 69 CURVE 20 NOTES
PI STA = 456+26.58
Y = 443526.180
X = 777238.300
DELTA = 0°10'16"
D = 0°06'53"
T = 74.67'
L = 149.34'
R = 50000.00'
PC STA = 455+51.92
PT STA = 457+01.25
SE = NC

STH 69 CURVE 9 NOTES
PI STA = 282+37.97
Y = 429193.670
X = 783321.817
DELTA = 6°34'11"
D = 3°51'02"
T = 85.40'
L = 170.62'
R = 1488.00'
PC STA = 281+52.56
PT STA = 283+23.18
SE = NC

STH 69 CURVE 10 NOTES
PI STA = 284+85.07
Y = 429245.093
X = 783079.929
DELTA = 7°56'17"
D = 9°32'57"
T = 41.63'
L = 83.13'
R = 600.00'
PC STA = 284+43.44
PT STA = 285+26.57
SE = NC

STH 69 CURVE 11 NOTES
PI STA = 286+48.11
Y = 429256.657
X = 782917.169
DELTA = 41°30'29"
D = 57°17'45"
T = 37.89'
L = 72.45'
R = 100.00'
PC STA = 286+10.22
PT STA = 286+82.66
SE = NC

STH 69 CURVE 12 NOTES
PI STA = 290+40.89
Y = 429421.283
X = 782560.568
DELTA = 4°35'40"
D = 5°39'42"
T = 40.60'
L = 81.15'
R = 1012.00'
PC STA = 290+00.30
PT STA = 290+81.45
SE = NC

STH 69 CURVE 13 NOTES
PI STA = 292+98.48
Y = 429528.195
X = 782326.171
DELTA = 5°56'48"
D = 1°54'35"
T = 155.82'
L = 311.36'
R = 3000.00'
PC STA = 291+42.66
PT STA = 294+54.02
SE = NC

NB CTH PB CURVE 1 NOTES
PI STA = 99+81.40"PB"
Y = 428673.987
X = 782406.803
DELTA = 1°54'20"
D = 5°07'15"
T = 18.61'
L = 37.21'
R = 1118.87'
PC STA = 99+62.79"PB"
PT STA = 100+00.00"PB"
SE = 4.0%

NB CTH PB CURVE 2 NOTES
PI STA = 104+57.01"PB"
Y = 429024.712
X = 782728.059
DELTA = 28°07'55"
D = 12°27'20"
T = 115.25'
L = 225.86'
R = 460.00'
PC STA = 103+41.76"PB"
PT STA = 105+67.62"PB"
SE = RC

NB CTH PB CURVE 3 NOTES
PI STA = 106+34.77"PB"
Y = 429201.421
X = 782773.289
DELTA = 37°52'57"
D = 57°17'45"
T = 34.32'
L = 66.12'
R = 100.00'
PC STA = 106+00.45"PB"
PT STA = 106+66.57"PB"
SE = NC

SB STH 69 CURVE 1 NOTES
PI STA = 201+28.80"EB"
Y = 429180.638
X = 783360.602
DELTA = 9°44'16"
D = 3°47'22"
T = 128.80'
L = 256.98'
R = 1512.00'
PC STA = 200+00.00"EB"
PT STA = 202+56.98"EB"
SE = NC

SB STH 69 CURVE 2 NOTES
PI STA = 205+29.00"EB"
Y = 429242.193
X = 782964.532
DELTA = 2°47'00"
D = 11°27'33"
T = 12.15'
L = 24.29'
R = 500.00'
PC STA = 205+16.86"EB"
PT STA = 205+41.15"EB"
SE = NC

SB STH 69 CURVE 3 NOTES
PI STA = 207+99.80"EB"
Y = 429350.617
X = 782728.405
DELTA = 42°48'15"
D = 57°17'45"
T = 39.19'
L = 74.71'
R = 100.00'
PC STA = 207+60.61"EB"
PT STA = 208+35.32"EB"
SE = NC

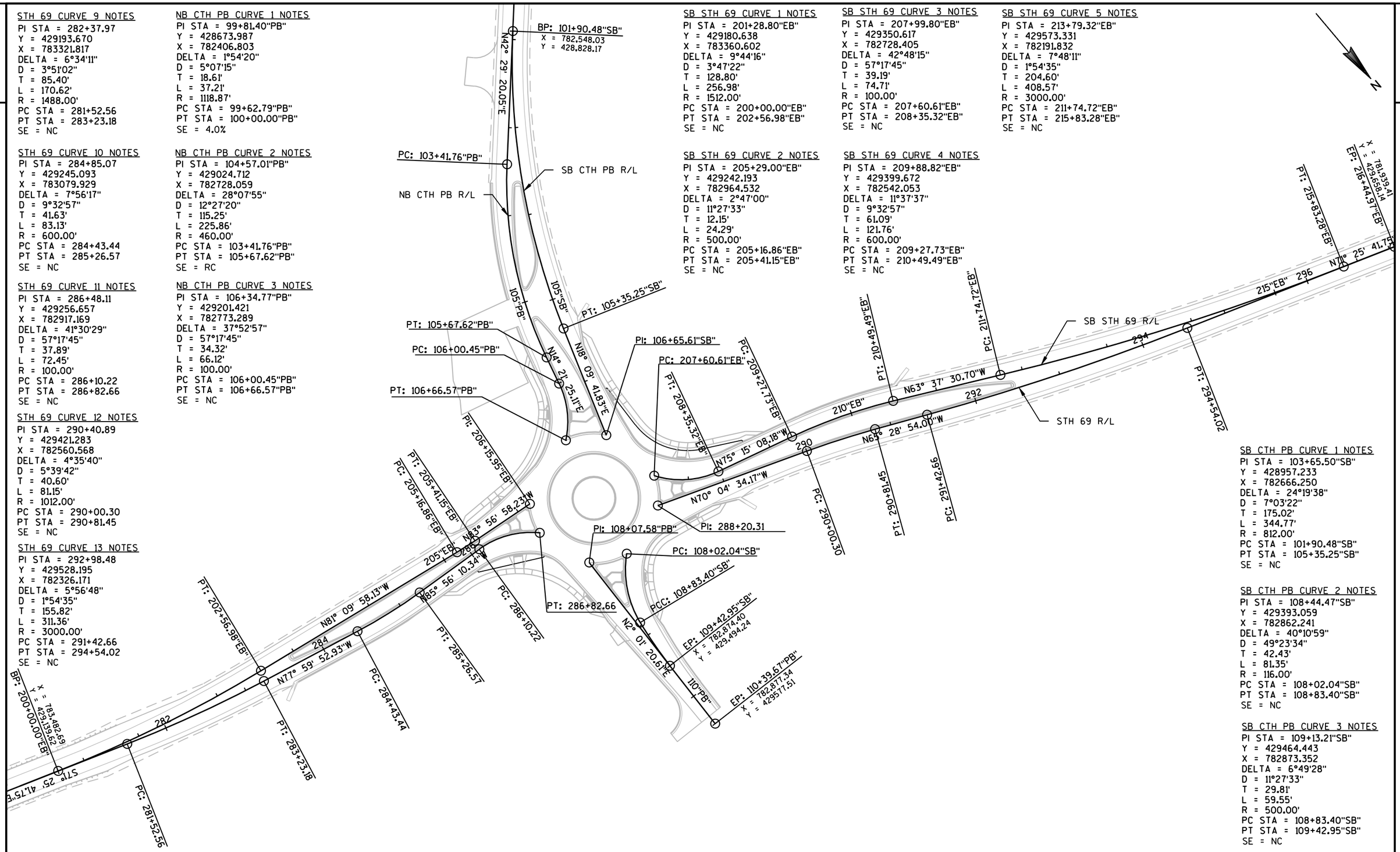
SB STH 69 CURVE 4 NOTES
PI STA = 209+88.82"EB"
Y = 429399.672
X = 782542.053
DELTA = 11°37'37"
D = 9°32'57"
T = 61.09'
L = 121.76'
R = 600.00'
PC STA = 209+27.73"EB"
PT STA = 210+49.49"EB"
SE = NC

SB STH 69 CURVE 5 NOTES
PI STA = 213+79.32"EB"
Y = 429573.331
X = 782191.832
DELTA = 7°48'11"
D = 1°54'35"
T = 204.60'
L = 408.57'
R = 3000.00'
PC STA = 211+74.72"EB"
PT STA = 215+83.28"EB"
SE = NC

SB CTH PB CURVE 1 NOTES
PI STA = 103+65.50"SB"
Y = 428957.233
X = 782666.250
DELTA = 24°19'38"
D = 7°03'22"
T = 175.02'
L = 344.77'
R = 812.00'
PC STA = 101+90.48"SB"
PT STA = 105+35.25"SB"
SE = NC

SB CTH PB CURVE 2 NOTES
PI STA = 108+44.47"SB"
Y = 429393.059
X = 782862.241
DELTA = 40°10'59"
D = 49°23'34"
T = 42.43'
L = 81.35'
R = 116.00'
PC STA = 108+02.04"SB"
PT STA = 108+83.40"SB"
SE = NC

SB CTH PB CURVE 3 NOTES
PI STA = 109+13.21"SB"
Y = 429464.443
X = 782873.352
DELTA = 6°49'28"
D = 11°27'33"
T = 29.81'
L = 59.55'
R = 500.00'
PC STA = 108+83.40"SB"
PT STA = 109+42.95"SB"
SE = NC



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	ALIGNMENT DIAGRAM - ROUNDABOUT DETAILS	SHEET 216	E

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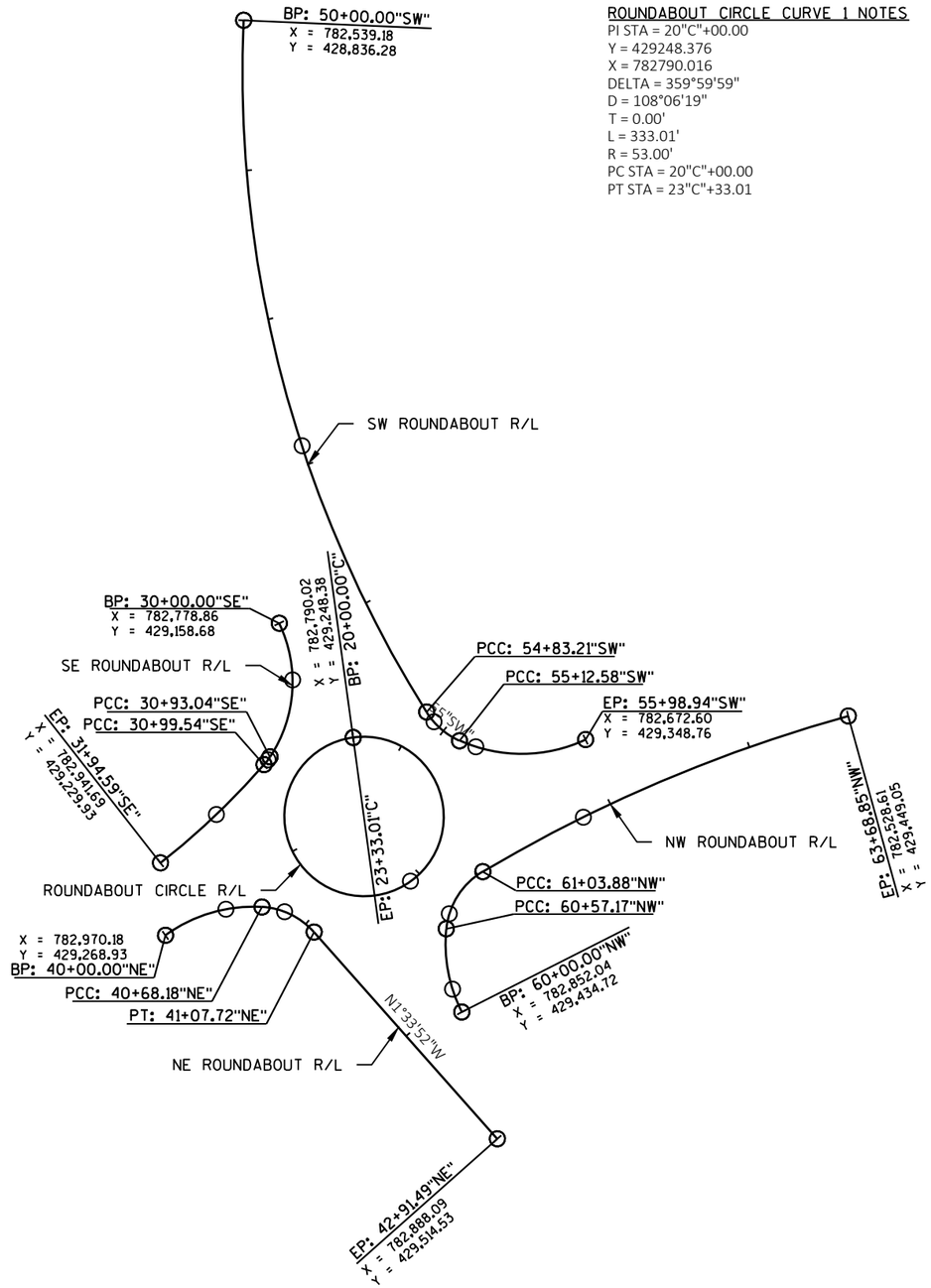
SE ROUNDABOUT CURVE 1 NOTES
PI STA = 30"SE"+51.16
Y = 429208.236
X = 782791.549
DELTA = 59°13'50"
D = 63°39'43"
T = 51.16'
L = 93.04'
R = 90.00'
PC STA = 30"SE"+00.00
PT STA = 30"SE"+93.04

SE ROUNDABOUT CURVE 2 NOTES
PI STA = 30"SE"+96.30
Y = 429223.611
X = 782843.747
DELTA = 7°27'15"
D = 114°35'30"
T = 3.26'
L = 6.51'
R = 50.00'
PC STA = 30"SE"+93.04
PT STA = 30"SE"+99.54

SE ROUNDABOUT CURVE 3 NOTES
PI STA = 31"SE"+47.21
Y = 429231.541
X = 782894.050
DELTA = 10°53'29"
D = 11°27'33"
T = 47.67'
L = 95.05'
R = 500.00'
PC STA = 30"SE"+99.54
PT STA = 31"SE"+94.59

NE ROUNDABOUT CURVE 1 NOTES
PI STA = 40"NE"+35.47
Y = 429271.445
X = 782934.795
DELTA = 39°03'47"
D = 57°17'45"
T = 35.47'
L = 68.18'
R = 100.00'
PC STA = 40"NE"+00.00
PT STA = 40"NE"+68.18

NE ROUNDABOUT CURVE 2 NOTES
PI STA = 40"NE"+89.05
Y = 429309.961
X = 782893.674
DELTA = 45°18'31"
D = 114°35'30"
T = 20.87'
L = 39.54'
R = 50.00'
PC STA = 40"NE"+68.18
PT STA = 41"NE"+07.72



ROUNDABOUT CIRCLE CURVE 1 NOTES
PI STA = 20"C"+00.00
Y = 429248.376
X = 782790.016
DELTA = 359°59'59"
D = 108°06'19"
T = 0.00'
L = 333.01'
R = 53.00'
PC STA = 20"C"+00.00
PT STA = 23"C"+33.01

SW ROUNDABOUT CURVE 1 NOTES
PI STA = 52"SW"+49.23
Y = 429020.061
X = 782707.526
DELTA = 34°36'27"
D = 7°09'43"
T = 249.23'
L = 483.21'
R = 800.00'
PC STA = 50"SW"+00.00
PT STA = 54"SW"+83.21

SW ROUNDABOUT CURVE 2 NOTES
PI STA = 54"SW"+98.33
Y = 429281.914
X = 782743.774
DELTA = 33°39'01"
D = 114°35'30"
T = 15.12'
L = 29.37'
R = 50.00'
PC STA = 54"SW"+83.21
PT STA = 55"SW"+12.58

SW ROUNDABOUT CURVE 3 NOTES
PI STA = 55"SW"+58.66
Y = 429337.031
X = 782717.166
DELTA = 49°29'00"
D = 57°17'45"
T = 46.08'
L = 86.36'
R = 100.00'
PC STA = 55"SW"+12.58
PT STA = 55"SW"+98.94

NW ROUNDABOUT CURVE 1 NOTES
PI STA = 60"NW"+29.39
Y = 429406.092
X = 782845.403
DELTA = 32°45'22"
D = 57°17'45"
T = 29.39'
L = 57.17'
R = 100.00'
PC STA = 60"NW"+00.00
PT STA = 60"NW"+57.17

NW ROUNDABOUT CURVE 2 NOTES
PI STA = 60"NW"+82.38
Y = 429368.033
X = 782806.247
DELTA = 53°31'19"
D = 114°35'30"
T = 25.21'
L = 46.71'
R = 50.00'
PC STA = 60"NW"+57.17
PT STA = 61"NW"+03.88

NW ROUNDABOUT CURVE 3 NOTES
PI STA = 62"NW"+37.15
Y = 429393.744
X = 782649.864
DELTA = 15°10'55"
D = 5°43'46"
T = 133.27'
L = 264.98'
R = 1000.00'
PC STA = 61"NW"+03.88
PT STA = 63"NW"+68.85

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	ALIGNMENT DIAGRAM - ROUNDABOUT DETAILS	SHEET 217	E

1693-05-72

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	148.000	148.000
0004	201.0120	Clearing	ID	620.000	620.000
0006	201.0205	Grubbing	STA	148.000	148.000
0008	201.0220	Grubbing	ID	620.000	620.000
0010	203.0100	Removing Small Pipe Culverts	EACH	62.000	62.000
0012	203.0220	Removing Structure (structure) 01. C-13-0992	EACH	1.000	1.000
0014	203.0220	Removing Structure (structure) 02. B-13-0330	EACH	1.000	1.000
0016	203.0220	Removing Structure (structure) 03. STA 94+00	EACH	1.000	1.000
0018	203.0220	Removing Structure (structure) 04. STA 105+40	EACH	1.000	1.000
0020	203.0220	Removing Structure (structure) 05. STA 183+80	EACH	1.000	1.000
0022	203.0220	Removing Structure (structure) 06. STA 197+10	EACH	1.000	1.000
0024	203.0220	Removing Structure (structure) 07. STA 221+25	EACH	1.000	1.000
0026	203.0220	Removing Structure (structure) 08. STA 290+53	EACH	1.000	1.000
0028	203.0220	Removing Structure (structure) 09. STA 313+15	EACH	1.000	1.000
0030	203.0220	Removing Structure (structure) 10. STA 314+25	EACH	1.000	1.000
0032	203.0220	Removing Structure (structure) 11. STA 326+20	EACH	1.000	1.000
0034	203.0220	Removing Structure (structure) 12. STA 50+65"SU"	EACH	1.000	1.000
0036	203.0250	Removing Structure Over Waterway Remove Debris (structure) 03. B-13-0365	EACH	1.000	1.000
0038	204.0100	Removing Concrete Pavement	SY	69,478.000	69,478.000
0042	204.0115	Removing Asphaltic Surface Butt Joints	SY	2,849.000	2,849.000
0044	204.0120	Removing Asphaltic Surface Milling	SY	26,080.000	26,080.000
0046	204.0150	Removing Curb & Gutter	LF	706.000	706.000
0048	204.0155	Removing Concrete Sidewalk	SY	238.000	238.000
0050	204.0165	Removing Guardrail	LF	1,583.000	1,583.000
0052	204.9060.S	Removing (item description) 01. Removing Apron Endwalls	EACH	2.000	2.000
0054	205.0100	Excavation Common	CY	248,129.000	248,129.000
0056	205.0200	Excavation Rock	CY	11,251.000	11,251.000
0058	206.1000	Excavation for Structures Bridges (structure) 03. B-13-0365	LS	1.000	1.000
0060	206.2000	Excavation for Structures Culverts (structure) 01. C-13-3112	LS	1.000	1.000
0062	206.2000	Excavation for Structures Culverts (structure) 02. C-13-3113	LS	1.000	1.000
0064	208.0100	Borrow	CY	112,263.000	112,263.000
0066	210.1500	Backfill Structure Type A	TON	192.000	192.000
0068	210.2500	Backfill Structure Type B	TON	3,683.000	3,683.000
0070	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 1693-05-72	LS	1.000	1.000
0072	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	47.000	47.000
0074	213.0100	Finishing Roadway (project) 01. 1693-05-72	EACH	1.000	1.000
0076	214.0100	Obliterating Old Road	STA	95.000	95.000
0078	305.0110	Base Aggregate Dense 3/4-Inch	TON	10,150.000	10,150.000
0080	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	165,454.000	165,454.000
0082	311.0110	Breaker Run	TON	306.000	306.000
0084	312.0110	Select Crushed Material	TON	148,220.000	148,220.000
0086	371.2000.S	QMP Base Aggregate Dense 1 1/4-Inch Compaction	EACH	104.000	104.000
0088	405.0100	Coloring Concrete WisDOT Red	CY	302.000	302.000
0090	416.0512	Concrete Truck Apron 12-Inch	SY	907.000	907.000
0092	455.0605	Tack Coat	GAL	22,377.000	22,377.000
0094	460.0105.S	HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	2.000	2.000
0096	460.0110.S	HMA Percent Within Limits (PWL) Test Strip Density	EACH	4.000	4.000
0098	460.2005	Incentive Density PWL HMA Pavement	DOL	29,000.000	29,000.000
0100	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	38,950.000	38,950.000

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Line	Item	Item Description	Unit	Total	Qty
0102	460.2010	Incentive Air Voids HMA Pavement	DOL	55,800.000	55,800.000
0106	460.6223	HMA Pavement 3 MT 58-28 S	TON	29,485.000	29,485.000
0108	460.6224	HMA Pavement 4 MT 58-28 S	TON	26,738.000	26,738.000
0110	460.6624	HMA Pavement 4 MT 58-28 V	TON	1,090.000	1,090.000
0112	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	9.000	9.000
0114	465.0305	Asphaltic Surface Safety Islands	TON	7.000	7.000
0116	465.0315	Asphaltic Flumes	SY	336.000	336.000
0118	465.0425	Asphaltic Shoulder Rumble Strips 2-Lane Rural	LF	62,606.000	62,606.000
0120	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	30,862.000	30,862.000
0122	502.0100	Concrete Masonry Bridges	CY	83.000	83.000
0124	502.3200	Protective Surface Treatment	SY	240.000	240.000
0126	502.3210	Pigmented Surface Sealer	SY	69.000	69.000
0128	502.4206	Adhesive Anchors No. 6 Bar	EACH	56.000	56.000
0130	502.4208	Adhesive Anchors No. 8 Bar	EACH	24.000	24.000
0132	503.0136	Prestressed Girder Type I 36-Inch	LF	106.000	106.000
0134	504.0100	Concrete Masonry Culverts	CY	76.000	76.000
0136	504.0900	Concrete Masonry Endwalls	CY	11.000	11.000
0138	504.1001.S	Precast Concrete Wingwalls (structure) 01. C-13-3112	EACH	4.000	4.000
0140	504.1001.S	Precast Concrete Wingwalls (structure) 02. C-13-3113	EACH	4.000	4.000
0142	504.2000.S	Precast Concrete Box Culvert (ft X ft) 01. 12 FT X 6 FT	LF	111.000	111.000
0144	504.2000.S	Precast Concrete Box Culvert (ft X ft) 02. 8 FT X 5 FT	LF	312.000	312.000
0146	505.0400	Bar Steel Reinforcement HS Structures	LB	7,410.000	7,410.000
0148	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	10,750.000	10,750.000
0150	506.2605	Bearing Pads Elastomeric Non-Laminated	EACH	4.000	4.000
0152	506.4000	Steel Diaphragms (structure) 03. B-13-0365	EACH	2.000	2.000
0154	509.0301	Preparation Decks Type 1	SY	4.000	4.000
0156	509.0302	Preparation Decks Type 2	SY	2.000	2.000
0158	509.0500	Cleaning Decks	SY	240.000	240.000
0160	509.1500	Concrete Surface Repair	SF	3.000	3.000
0162	509.2000	Full-Depth Deck Repair	SY	1.000	1.000
0164	509.2500	Concrete Masonry Overlay Decks	CY	18.000	18.000
0166	516.0500	Rubberized Membrane Waterproofing	SY	25.000	25.000
0168	520.1015	Apron Endwalls for Culvert Pipe 15-Inch	EACH	32.000	32.000
0170	520.1018	Apron Endwalls for Culvert Pipe 18-Inch	EACH	21.000	21.000
0172	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	14.000	14.000
0174	520.1030	Apron Endwalls for Culvert Pipe 30-Inch	EACH	4.000	4.000
0176	520.3515	Culvert Pipe Class III-B 15-Inch	LF	740.000	740.000
0178	520.3518	Culvert Pipe Class III-B 18-Inch	LF	167.000	167.000
0180	520.3524	Culvert Pipe Class III-B 24-Inch	LF	332.000	332.000
0182	520.4115	Culvert Pipe Class IV 15-Inch	LF	461.000	461.000
0184	520.4118	Culvert Pipe Class IV 18-Inch	LF	228.000	228.000
0186	520.4124	Culvert Pipe Class IV 24-Inch	LF	119.000	119.000
0188	520.4130	Culvert Pipe Class IV 30-Inch	LF	154.000	154.000
0190	521.0336	Apron Endwalls for Culvert Pipe Sloped Cross Drains Steel 36-Inch 4 to 1	EACH	3.000	3.000
0192	521.0342	Apron Endwalls for Culvert Pipe Sloped Cross Drains Steel 42-Inch 4 to 1	EACH	6.000	6.000
0194	521.0348	Apron Endwalls for Culvert Pipe Sloped Cross Drains Steel 48-Inch 4 to 1	EACH	7.000	7.000
0196	521.0354	Apron Endwalls for Culvert Pipe Sloped Cross Drains Steel 54-Inch 4 to 1	EACH	8.000	8.000
0198	521.0360	Apron Endwalls for Culvert Pipe Sloped Cross Drains Steel 60-Inch 4 to 1	EACH	2.000	2.000
0200	521.0436	Apron Endwalls for Culvert Pipe Sloped Cross Drains Steel 36-Inch 6 to 1	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0202	521.1015	Apron Endwalls for Culvert Pipe Steel 15-Inch	EACH	32.000	32.000
0204	521.1018	Apron Endwalls for Culvert Pipe Steel 18-Inch	EACH	21.000	21.000
0206	521.1024	Apron Endwalls for Culvert Pipe Steel 24-Inch	EACH	14.000	14.000
0208	521.1030	Apron Endwalls for Culvert Pipe Steel 30-Inch	EACH	4.000	4.000
0210	521.1502	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 15-Inch 4 to 1	EACH	27.000	27.000
0212	521.1503	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 4 to 1	EACH	8.000	8.000
0214	521.1505	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 24-Inch 4 to 1	EACH	12.000	12.000
0216	521.1506	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 30-Inch 4 to 1	EACH	4.000	4.000
0218	521.3115	Culvert Pipe Corrugated Steel 15-Inch	LF	3.000	3.000
0220	521.3118	Culvert Pipe Corrugated Steel 18-Inch	LF	63.000	63.000
0222	522.0115	Culvert Pipe Reinforced Concrete Class III 15-Inch	LF	92.000	92.000
0224	522.0124	Culvert Pipe Reinforced Concrete Class III 24-Inch	LF	780.000	780.000
0226	522.0130	Culvert Pipe Reinforced Concrete Class III 30-Inch	LF	206.000	206.000
0228	522.0136	Culvert Pipe Reinforced Concrete Class III 36-Inch	LF	80.000	80.000
0230	522.0142	Culvert Pipe Reinforced Concrete Class III 42-Inch	LF	112.000	112.000
0232	522.0148	Culvert Pipe Reinforced Concrete Class III 48-Inch	LF	594.000	594.000
0234	522.0166	Culvert Pipe Reinforced Concrete Class III 66-Inch	LF	204.000	204.000
0236	522.0172	Culvert Pipe Reinforced Concrete Class III 72-Inch	LF	436.000	436.000
0238	522.0415	Culvert Pipe Reinforced Concrete Class IV 15-Inch	LF	176.000	176.000
0240	522.0418	Culvert Pipe Reinforced Concrete Class IV 18-Inch	LF	72.000	72.000
0242	522.0424	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	376.000	376.000
0244	522.0436	Culvert Pipe Reinforced Concrete Class IV 36-Inch	LF	72.000	72.000
0246	522.0442	Culvert Pipe Reinforced Concrete Class IV 42-Inch	LF	216.000	216.000
0248	522.0448	Culvert Pipe Reinforced Concrete Class IV 48-Inch	LF	356.000	356.000
0250	522.0454	Culvert Pipe Reinforced Concrete Class IV 54-Inch	LF	258.000	258.000
0252	522.0460	Culvert Pipe Reinforced Concrete Class IV 60-Inch	LF	172.000	172.000
0254	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	11.000	11.000
0256	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	5.000	5.000
0258	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	30.000	30.000
0260	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	2.000	2.000
0262	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	2.000	2.000
0264	522.1042	Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	EACH	2.000	2.000
0266	522.1048	Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	EACH	13.000	13.000
0268	522.1060	Apron Endwalls for Culvert Pipe Reinforced Concrete 60-Inch	EACH	2.000	2.000
0270	522.1066	Apron Endwalls for Culvert Pipe Reinforced Concrete 66-Inch	EACH	4.000	4.000
0272	522.1500	Pipe Cattle Pass Reinforced Concrete	LF	102.000	102.000
0274	522.2419	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	LF	124.000	124.000
0276	522.2429	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	LF	168.000	168.000
0278	522.2629	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 29x45-Inch	EACH	6.000	6.000
0280	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	528.000	528.000
0282	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	148.000	148.000
0284	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	2,426.000	2,426.000
0286	601.0415	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type J	LF	70.000	70.000
0288	601.0553	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	LF	1,772.000	1,772.000
0290	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	4,805.000	4,805.000
0292	601.0582	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type T	LF	312.000	312.000
0294	601.0600	Concrete Curb Pedestrian	LF	172.000	172.000
0296	602.0405	Concrete Sidewalk 4-Inch	SF	23,223.000	23,223.000
0298	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	690.000	690.000

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Line	Item	Item Description	Unit	Total	Qty
0300	602.1500	Concrete Steps	SF	155.000	155.000
0302	606.0200	Riprap Medium	CY	1,147.000	1,147.000
0304	606.0300	Riprap Heavy	CY	388.000	388.000
0306	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	244.000	244.000
0308	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	74.000	74.000
0310	608.3615	Storm Sewer Pipe Class III-B 15-Inch	LF	106.000	106.000
0312	608.3618	Storm Sewer Pipe Class III-B 18-Inch	LF	225.000	225.000
0314	611.0624	Inlet Covers Type H	EACH	4.000	4.000
0316	611.0627	Inlet Covers Type HM	EACH	4.000	4.000
0318	611.0636	Inlet Covers Type HM-S	EACH	2.000	2.000
0320	611.0639	Inlet Covers Type H-S	EACH	4.000	4.000
0322	611.0652	Inlet Covers Type T	EACH	2.000	2.000
0324	611.3004	Inlets 4-FT Diameter	EACH	8.000	8.000
0326	611.3230	Inlets 2x3-FT	EACH	8.000	8.000
0328	611.8110	Adjusting Manhole Covers	EACH	1.000	1.000
0330	612.0106	Pipe Underdrain 6-Inch	LF	175.000	175.000
0332	612.0108	Pipe Underdrain 8-Inch	LF	80.000	80.000
0334	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	122.000	122.000
0336	612.0700	Drain Tile Exploration	LF	300.000	300.000
0338	614.0010	Barrier System Grading Shaping Finishing	EACH	1.000	1.000
0340	614.0150	Anchor Assemblies for Steel Plate Beam Guard	EACH	4.000	4.000
0342	614.2300	MGS Guardrail 3	LF	1,813.000	1,813.000
0344	614.2330	MGS Guardrail 3 K	LF	938.000	938.000
0346	614.2350	MGS Guardrail Short Radius	LF	69.000	69.000
0348	614.2500	MGS Thrie Beam Transition	LF	473.000	473.000
0350	614.2610	MGS Guardrail Terminal EAT	EACH	13.000	13.000
0352	614.2630	MGS Guardrail Short Radius Terminal	EACH	2.000	2.000
0354	616.0700.S	Fence Safety	LF	5,240.000	5,240.000
0356	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1693-05-72	EACH	1.000	1.000
0358	619.1000	Mobilization	EACH	0.900	0.900
0360	620.0300	Concrete Median Sloped Nose	SF	327.000	327.000
0362	621.0100	Landmark Reference Monuments	EACH	8.000	8.000
0364	623.0200	Dust Control Surface Treatment	SY	252,634.000	252,634.000
0366	624.0100	Water	MGAL	2,626.000	2,626.000
0370	625.0500	Salvaged Topsoil	SY	500,138.000	500,138.000
0372	627.0200	Mulching	SY	396,931.000	396,931.000
0374	628.1504	Silt Fence	LF	25,983.000	25,983.000
0376	628.1520	Silt Fence Maintenance	LF	51,966.000	51,966.000
0378	628.1905	Mobilizations Erosion Control	EACH	4.000	4.000
0380	628.1910	Mobilizations Emergency Erosion Control	EACH	5.000	5.000
0384	628.2004	Erosion Mat Class I Type B	SY	78,709.000	78,709.000
0386	628.2006	Erosion Mat Urban Class I Type A	SY	3,744.000	3,744.000
0388	628.2008	Erosion Mat Urban Class I Type B	SY	20,733.000	20,733.000
0390	628.7005	Inlet Protection Type A	EACH	7.000	7.000
0392	628.7015	Inlet Protection Type C	EACH	5.000	5.000
0396	628.7504	Temporary Ditch Checks	LF	4,850.000	4,850.000
0398	628.7515.S	Stone Ditch Checks	CY	315.000	315.000
0400	628.7555	Culvert Pipe Checks	EACH	336.000	336.000
0402	628.7570	Rock Bags	EACH	36.000	36.000

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Line	Item	Item Description	Unit	Total	Qty
0404	629.0210	Fertilizer Type B	CWT	318.000	318.000
0406	630.0120	Seeding Mixture No. 20	LB	13,378.000	13,378.000
0410	630.0171	Seeding Mixture No. 70A	LB	18.000	18.000
0412	630.0200	Seeding Temporary	LB	2,706.000	2,706.000
0414	630.0500	Seed Water	MGAL	5,623.000	5,623.000
0416	633.5200	Markers Culvert End	EACH	74.000	74.000
0418	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	20.000	20.000
0420	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	6.000	6.000
0422	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	122.000	122.000
0424	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	10.000	10.000
0426	634.0808	Posts Tubular Steel 2x2-Inch X 8-FT	EACH	8.000	8.000
0428	634.0810	Posts Tubular Steel 2x2-Inch X 10-FT	EACH	2.000	2.000
0430	634.0811	Posts Tubular Steel 2x2-Inch X 11-FT	EACH	10.000	10.000
0432	637.2210	Signs Type II Reflective H	SF	811.500	811.500
0434	637.2220	Signs Type II Reflective SH	SF	27.000	27.000
0436	637.2230	Signs Type II Reflective F	SF	374.850	374.850
0438	638.2102	Moving Signs Type II	EACH	5.000	5.000
0440	638.2602	Removing Signs Type II	EACH	188.000	188.000
0442	638.3000	Removing Small Sign Supports	EACH	190.000	190.000
0444	638.4000	Moving Small Sign Supports	EACH	4.000	4.000
0446	642.5201	Field Office Type C	EACH	1.000	1.000
0448	643.0300	Traffic Control Drums	DAY	50.000	50.000
0450	643.0410	Traffic Control Barricades Type II	DAY	190.000	190.000
0452	643.0420	Traffic Control Barricades Type III	DAY	10,820.000	10,820.000
0454	643.0705	Traffic Control Warning Lights Type A	DAY	20,470.000	20,470.000
0458	643.0900	Traffic Control Signs	DAY	83,245.000	83,245.000
0460	643.0910	Traffic Control Covering Signs Type I	EACH	25.000	25.000
0462	643.0920	Traffic Control Covering Signs Type II	EACH	46.000	46.000
0464	643.1000	Traffic Control Signs Fixed Message	SF	158.000	158.000
0466	643.1050	Traffic Control Signs PCMS	DAY	42.000	42.000
0468	643.5000	Traffic Control	EACH	0.900	0.900
0470	644.1410	Temporary Pedestrian Surface Asphalt	SF	2,021.000	2,021.000
0474	644.1601	Temporary Pedestrian Curb Ramp	DAY	60.000	60.000
0476	644.1810	Temporary Pedestrian Barricade	LF	35.000	35.000
0478	645.0105	Geotextile Type C	SY	917.000	917.000
0480	645.0111	Geotextile Type DF Schedule A	SY	504.000	504.000
0482	645.0120	Geotextile Type HR	SY	2,878.000	2,878.000
0484	645.0140	Geotextile Type SAS	SY	6.000	6.000
0486	645.0220	Geogrid Type SR	SY	245,578.000	245,578.000
0488	646.1020	Marking Line Epoxy 4-Inch	LF	75,879.000	75,879.000
0490	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	74,551.000	74,551.000
0492	646.3020	Marking Line Epoxy 8-Inch	LF	547.000	547.000
0494	646.3040	Marking Line Grooved Wet Ref Epoxy 8-Inch	LF	3,109.000	3,109.000
0496	646.5020	Marking Arrow Epoxy	EACH	30.000	30.000
0498	646.5120	Marking Word Epoxy	EACH	13.000	13.000
0500	646.6120	Marking Stop Line Epoxy 18-Inch	LF	288.000	288.000
0502	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	34.000	34.000
0504	646.7120	Marking Diagonal Epoxy 12-Inch	LF	304.000	304.000
0506	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,063.000	1,063.000

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Line	Item	Item Description	Unit	Total	Qty
0508	646.8120	Marking Curb Epoxy	LF	385.000	385.000
0510	646.8220	Marking Island Nose Epoxy	EACH	6.000	6.000
0512	648.0100	Locating No-Passing Zones	MI	8.140	8.140
0514	650.4000	Construction Staking Storm Sewer	EACH	22.000	22.000
0516	650.4500	Construction Staking Subgrade	LF	47,000.000	47,000.000
0518	650.5000	Construction Staking Base	LF	46,864.000	46,864.000
0520	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	9,598.000	9,598.000
0522	650.6000	Construction Staking Pipe Culverts	EACH	100.000	100.000
0524	650.6500	Construction Staking Structure Layout (structure) 01. C-13-3112	LS	1.000	1.000
0526	650.6500	Construction Staking Structure Layout (structure) 02. C-13-3113	LS	1.000	1.000
0528	650.6500	Construction Staking Structure Layout (structure) 03. B-13-0365	LS	1.000	1.000
0530	650.8000	Construction Staking Resurfacing Reference	LF	6,559.000	6,559.000
0532	650.9000	Construction Staking Curb Ramps	EACH	33.000	33.000
0534	650.9910	Construction Staking Supplemental Control (project) 01. 1693-05-72	LS	1.000	1.000
0536	650.9920	Construction Staking Slope Stakes	LF	46,864.000	46,864.000
0538	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	1,260.000	1,260.000
0540	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	915.000	915.000
0542	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	9.000	9.000
0544	654.0101	Concrete Bases Type 1	EACH	2.000	2.000
0546	654.0105	Concrete Bases Type 5	EACH	16.000	16.000
0548	654.0230	Concrete Control Cabinet Bases Type L30	EACH	1.000	1.000
0550	655.0610	Electrical Wire Lighting 12 AWG	LF	1,960.000	1,960.000
0552	655.0615	Electrical Wire Lighting 10 AWG	LF	7,375.000	7,375.000
0554	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. 108'NB'+81	LS	1.000	1.000
0556	657.0100	Pedestal Bases	EACH	2.000	2.000
0558	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	16.000	16.000
0560	657.0322	Poles Type 5-Aluminum	EACH	16.000	16.000
0562	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	2.000	2.000
0564	657.0610	Luminaire Arms Single Member 4 1/2-Inch Clamp 6-FT	EACH	8.000	8.000
0566	657.0715	Luminaire Arms Truss Type 4 1/2-Inch Clamp 15-FT	EACH	8.000	8.000
0568	658.0500	Pedestrian Push Buttons	EACH	2.000	2.000
0570	659.1115	Luminaires Utility LED A	EACH	16.000	16.000
0572	659.2130	Lighting Control Cabinets 120/240 30-Inch	EACH	1.000	1.000
0574	690.0150	Sawing Asphalt	LF	793.000	793.000
0576	690.0250	Sawing Concrete	LF	172.000	172.000
0578	715.0502	Incentive Strength Concrete Structures	DOL	954.000	954.000
0580	740.0440	Incentive IRI Ride	DOL	32,538.000	32,538.000
0582	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,200.000	1,200.000
0584	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	3,780.000	3,780.000
0586	SPV.0060	Special 01. Cap Existing Drain Tile	EACH	4.000	4.000
0588	SPV.0060	Special 02. Apron Endwalls for Culvert Pipe Sloped Cross Drains Steel 72-Inch 4 To 1	EACH	8.000	8.000
0590	SPV.0060	Special 03. Apron Endwalls for Culvert Pipe Arch Sloped Cross Drains Stl 19X30-In 4 to 1	EACH	4.000	4.000
0592	SPV.0060	Special 04. Canoe and Kayak Launch	EACH	2.000	2.000
0626	SPV.0060	Special 21. Verify Landmark Reference Monuments	EACH	8.000	8.000
0628	SPV.0060	Special 22. HMA Balanced Mixture Design Test Sections	EACH	6.000	6.000
0630	SPV.0060	Special 23. Rectangular Rapid Flashing Beacon (RRFB) System - STA 51+90 LT	EACH	1.000	1.000
0632	SPV.0060	Special 24. Rectangular Rapid Flashing Beacon (RRFB) System - STA 52+00 RT	EACH	1.000	1.000
0646	SPV.0090	Special 06. Temporary Marking Line Removable Tape 6-Inch	LF	595.000	595.000

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Line	Item	Item Description	Unit	Total	Qty
0650	SPV.0195	Special 01. Traffic Control Base Course	TON	10,000.000	10,000.000
0652	SPV.0195	Special 02. Traffic Bond Limestone 3/8 Inch	TON	301.000	301.000

CLEARING AND GRUBBING ITEMS

STATION	-	STATION	LOCATION	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID	REMARKS
28+50	-	33+00	LT	5	--	5	--	ALONG LAKE FOR BEAM GUARD GRADING
49+20"GE"	-	49+60"GE"	RT	--	30	--	30	BUSH AND STUMP IN SW CORNER OF GEHIN RD INTERSECTION
48+00"LL"	-	48+60"LL"	LT	--	30		30	3 TREES ALONG NORTH SIDE OF LITTLE LAKES RD
87+00	-	99+50	LT & RT	13	--	13	--	TREES AND BRUSH ON BOTH SIDES OF ROAD
100+00	-	100+50	LT	--	10	--	10	3 BUSHES BETWEEN MOREHEAD RD AND STH 69
101+00	-	110+50	LT & RT	10	--	10	--	TREES AND BRUSH ON BOTH SIDES SIDES OF ROAD
102+00	-	103+00	LT	1	--	1	--	TREES/BUSHES AT PROPOSED CUL-DE-SAC OF MOREHEAD RD
115+00	-	135+00	LT & RT	20	--	20	--	TREES AND BRUSH ON BOTH SIDES OF ROAD
136+25	-	137+00	RT	1	--	1	--	TREES ON EAST SIDE OF ROAD
39+50"FR"	-	40+50"FR"	RT	--	60	--	60	TREES ON SOUTH SIDE OF FRENCHTOWN RD
41+00"FR"	-	44+50"FR"	LT & RT	4	--	4	--	AT REALIGNMENT OF FRENCHTOWN RD
50+50"FR"	-	52+00"FR"	LT & RT	2	--	2	--	AT REALIGNMENT OF FRENCHTOWN RD
144+50	-	145+50	RT	--	40	--	40	TREES BETWEEN ROAD AND BIKE PATH
147+00	-	147+50	RT	--	24	--	24	TREE BETWEEN ROAD AND BIKE PATH
149+00	-	149+25	RT	--	15	--	15	TREE BETWEEN ROAD AND BIKE PATH
154+00	-	154+50	RT	--	20	--	20	TREES BETWEEN ROAD AND BIKE PATH
157+00	-	157+10	RT	--	36	--	36	TREES BETWEEN ROAD AND BIKE PATH
169+25	-	170+50	RT	2	--	2	--	TREES AND BRUSH BETWEEN ROAD AND BIKE PATH
173+00	-	179+00	RT	6	--	6	--	TREES AND BRUSH BETWEEN ROAD AND BIKE PATH
179+00	-	184+00	LT	5	--	5	--	WEST OF CTH A EAST INTERSECTION
51+30"AE"	-	54+00"AE"	LT & RT	3	--	3	--	TREES ON BOTH SIDES OF CTH A EAST
184+50	-	185+50	LT	1	--	1	--	NORTHWEST OF CTH A EAST INTERSECTION
186+00	-	190+75	RT	6	--	6	--	TREES AND BRUSH ON EAST SIDE OF ROAD
196+25	-	203+75	LT & RT	8	--	8	--	TREES AND BRUSH ON BOTH SIDES OF ROAD
204+50	-	205+25	RT	1	--	1	--	BRUSH ON EAST SIDE OF ROAD
212+00	-	213+50	RT	--	20	--	20	TREES IN SOUTHEAST CORNER OF HENRY RD INTERSECTION
50+50"HE"	-	52+50"HE"	LT	--	80	--	80	TREES ON THE NORTH SIDE OF HENRY RD
214+60	-	221+75	LT & RT	8	--	8	--	TREES AND BRUSH ON BOTH SIDES OF ROAD
228+40	-	228+60	RT	--	10	--	10	BUSHES ON EAST SIDE OF ROAD
234+70	-	234+75	LT	--	15	--	15	TREE ON EAST SIDE OF ROAD
241+75	-	242+25	LT	--	35	--	35	"OLD STH 69" INTERSECTION
277+60	-	278+40	LT & RT	1	--	1	--	SOUTH OF BRIDGE

CLEARING AND GRUBBING ITEMS (CONT'D)

STATION	-	STATION	LOCATION	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID	REMARKS
279+75	-	283+00	RT	4	--	4	--	BETWEEN BRIDGE AND ROUNDABOUT
285+00	-	286+50	LT	2	--	2	--	TREES IN SOUTHEAST QUADRANT OF ROUNDABOUT
106+25"PB"	-	106+50"PB"	RT	--	6	--	6	BUSHES IN SOUTHEAST QUADRANT OF ROUNDABOUT
108+50"PB"	-	109+15"PB"	LT	--	15	--	15	TREES IN ON WEST SIDE OF CTH PB
304+00	-	309+25	LT & RT	6	--	6	--	PAOLI RD INTERSECTION
305+00	-	307+00	LT	1	--	1	--	TREES/BUSHES AT PROPOSED CUL-DE-SAC OF PAOLI RD
309+75	-	310+00	RT	--	6	--	6	BUSHES ON NORTHEAST SIDE OF ROAD
310+80	-	311+00	LT	--	6	--	6	BUSHES ON SOUTHWEST SIDE OF ROAD
312+25	-	312+75	RT	--	10	--	10	TREES/BUSHES ON NORTHEAST SIDE OF ROAD
314+00	-	314+50	LT & RT	--	20	--	20	TREES/BUSHES ON BOTH SIDES OF ROAD
315+75	-	318+35	LT	3	--	3	--	SOUTHEAST OF HIMSEL ROAD INTERSECTION
46+40"HM"	-	49+00"HM"	LT & RT	3	--	3	--	TREES ON BOTH SIDES OF HIMSEL ROAD
319+50	-	325+00	LT & RT	6	--	6	--	TREES AND BRUSH ON BOTH SIDES OF ROAD
327+15	-	327+35	LT	--	5	--	5	TREE ON WEST SIDE OF ROAD
328+50	-	332+75	LT	5	--	5	--	TREES/BRUSH ON WEST SIDE OF ROAD
339+00	-	342+50	RT	4	--	4	--	TREES AND BUSHES ON EAST SIDE OF ROAD
344+50	-	346+40	RT	--	15	--	15	TREES ON EAST SIDE OF ROAD NORTH OF SCHALLER
354+00	-	358+00	LT & RT	4	--	4	--	TREES/BRUSH ON BOTH SIDES OF ROAD
362+10	-	362+50	LT	--	6	--	6	2 BUSHES ON EAST SIDE OF ROAD
369+15	-	369+75	LT	1	--	1	--	TREES/BRUSH ON WEST SIDE OF ROAD
382+50	-	382+65	RT	--	36	--	36	TREE ON EAST SIDE OF ROAD
389+40	-	394+70	RT	6	--	6	--	TREES/BRUSH ON EAST SIDE OF ROAD
52+30"SU"	-	53+05"SU"	LT	1	--	1	--	TREES/BRUSH ON NORTH SIDE OF SUNSET
55+30"LD"	-	55+75"LD"	RT	--	20	--	20	TREES ON SOUTHEAST SIDE OF LOCUST DR
436+75	-	438+50	RT	--	50	--	50	TREES ON EAST SIDE OF ROAD
443+00	-	444+00	RT	1	--	1	--	TREES/BRUSH ON EAST SIDE OF ROAD
444+15	-	444+50	LT	1	--	1	--	TREES/BRUSH ON WEST SIDE OF ROAD FOR NEW DRIVEWAY
447+25	-	448+00	LT & RT	1	--	1	--	TREES/BRUSH ON BOTH SIDES OF ROAD SOUTH OF BRIDGE
448+50	-	449+25	LT & RT	1	--	1	--	TREES/BRUSH ON BOTH SIDES OF ROAD NORTH OF BRIDGE
452+00	-	452+50	RT	1	--	1	--	BRUSH ON EAST SIDE OF ROAD
			TOTAL	**148**	**620**	**148**	**620**	

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

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REMOVING SMALL CULVERT PIPES

STATION	OFFSET	LOCATION	SIZE	MATERIAL	LENGTH	203.0100 REMOVING SMALL CULVERT PIPES EACH	203.0220 REMOVING STRUCTURE EACH
79+08	LT	UNDER GEHIN RD	15"	CMP	50 LF	1	--
84+81	LT	UNDER LITTLE LAKES RD	12"	CMP	40 LF	1	--
87+15	LT	UNDER STH 69	24"	CMP	51 LF	1	--
93+15	RT	UNDER DWY	18"	CMP	80 LF	1	--
94+00	LT & RT	UNDER STH 69	8'x5.6'	RCP	46 LF	--	1
100+35	LT	UNDER MOREHEAD DR	18"	CMP	36 LF	1	--
105+40	LT & RT	UNDER STH 69	24"x24"	RCP	48 LF	--	1
121+20	LT & RT	UNDER STH 69	30"	CMP	57 LF	1	--
43+50'FR'	LT & RT	UNDER FRENCHTOWN RD WEST	15"	CMP	28 LF	1	--
134+90	LT & RT	UNDER STH 69	24"	CMP	51 LF	1	--
51+50'FR'	LT & RT	UNDER FRENCHTOWN RD EAST	15"	CMP	28 LF	1	--
53+00'FR'	LT & RT	UNDER FRENCHTOWN RD EAST	15"	CMP	29 LF	1	--
53+50'FR'	RT	UNDER DWY, FRENCHTOWN RD EAST	15"	CMP	30 LF	1	--
152+30	LT & RT	UNDER STH 69	2-48"	CMP	50 LF	2	--
163+35	RT	UNDER DWY	18"	CMP	18 LF	1	--
169+00	LT	UNDER CTH A WEST	24"	CMP	94 LF	1	--
170+25	LT	UNDER DWY	24"	CMP	75 LF	1	--
176+40	LT & RT	UNDER STH 69	36"	CMP	53 LF	1	--
183+24	RT	UNDER CTH A EAST	42"	CMP	53 LF	1	--
183+80	LT & RT	UNDER STH 69	12'x6'	RCP	47 LF	--	1
197+13	LT & RT	UNDER STH 69	24"x24"	RCP	56 LF	--	1
209+80	LT & RT	UNDER STH 69	24"	CMP	48 LF	1	--
216+52	RT	UNDER DWY	18"	CMP	40 LF	1	--
221+25	LT & RT	UNDER STH 69	6'x4.25'	RCP	50 LF	--	1
237+06	LT	UNDER DWY	18"	CMP	40 LF	1	--
242+30	RT	UNDER DWY	18"	CMP	45 LF	1	--
266+15	LT	UNDER DWY	18"	CMP	40 LF	1	--
269+60	LT	UNDER DWY, OLD HWY 69	18"	CMP	20 LF	1	--
271+60	LT	UNDER EXISTING DIANE AVE	24"	CMP	55 LF	1	--
271+75	LT	UNDER DWY, OLD HWY 69	15"	CMP	22 LF	1	--
273+00	LT	UNDER DWY	18"	CMP	55 LF	1	--
52+65'DN'	LT & RT	UNDER DIANE AVE	3-19"x30"HE	RCP	52 LF	3	--
53+00'DN'	LT	UNDER DWY, DIANE AVE	18"	CMP	55 LF	1	--
53+50'DN'	LT	UNDER DWY, DIANE AVE	18"	CMP	60 LF	1	--

REMOVING SMALL CULVERT PIPES (CONT'D)

STATION	OFFSET	LOCATION	SIZE	MATERIAL	LENGTH	203.0100 REMOVING SMALL CULVERT PIPES EACH	203.0220 REMOVING STRUCTURE EACH
109+00'PB'	RT	UNDER DWY, CTH PB	18"	CMP	28 LF	1	--
290+53	LT & RT	UNDER STH 69	6'x4'	RCP	48 LF	--	1
300+40	RT	UNDER DWY, PAOLI RD	18"	CMP	100 LF	1	--
309+32	RT	UNDER DWY	18"	CMP	65 LF	1	--
313+15	LT & RT	UNDER STH 69	2-6'x4'	RCP	48 LF	--	1
314+25	LT & RT	UNDER STH 69	5'x3.5'	RCP	48 LF	--	1
319+50	LT	UNDER HIMSEL RD	24"	CMP	58 LF	1	--
320+75	LT	UNDER DWY	18"	CMP	35 LF	1	--
321+95	LT & RT	UNDER STH 69	36"	CMP	42 LF	1	--
326+20	LT & RT	UNDER STH 69	3.5'x3'	RCP	51 LF	--	1
329+35	LT	UNDER DWY	18"	CMP	30 LF	1	--
329+60	LT & RT	UNDER STH 69	36"	CMP	41 LF	1	--
333+60	LT & RT	UNDER STH 69	24"	CMP	53 LF	1	--
335+60	LT	UNDER DWY	18"	CMP	75 LF	1	--
342+70	LT & RT	UNDER STH 69	24"	CMP	58 LF	1	--
343+90	LT	UNDER SCHALLER RD	28"x20"HE	CMP	40 LF	1	--
361+90	LT & RT	UNDER STH 69	48"	CMP	57 LF	1	--
365+44	RT	UNDER DWY	18"	CMP	90 LF	1	--
370+00	RT	UNDER DWY	18"	CMP	75 LF	1	--
50+65'SU'	LT & RT	UNDER SUNSET DR	6.5'x4.5'	RCP	50 LF	--	1
51+10'LD'	LT & RT	UNDER LOCUST DR	24"	CMP	41 LF	1	--
52+80'LD'	LT & RT	UNDER LOCUST DR	24"	RCP	32 LF	1	--
404+81	RT	UNDER DWY	15"	CMP	55 LF	1	--
409+00	LT	UNDER DWY	15"	CMP	50 LF	1	--
413+62	LT	UNDER DWY	15"	CMP	50 LF	1	--
414+60	LT	UNDER DWY	15"	CMP	50 LF	1	--
417+10	LT	UNDER STH 69	24"	CMP	52 LF	1	--
426+29	RT	UNDER DWY	2-26"x19"HE	CMP	90 LF	2	--
440+60	RT	UNDER MANHATTAN DR	18"	CMP	34 LF	1	--
440+95	RT	UNDER DWY, MANHATTAN DR	15"	CMP	40 LF	1	--
444+05	LT	UNDER DWY	15"	CMP	40 LF	1	--
447+15	LT	UNDER DWY	15"	CMP	32 LF	1	--
451+95	RT	UNDER DWY	18"	CMP	32 LF	1	--
452+00	LT	UNDER DWY	24"	CMP	32 LF	1	--
		TOTAL				**62**	**10**

PAVEMENT REMOVAL ITEMS

STATION	-	STATION	LOCATION	204.0100 REMOVING CONCRETE PAVEMENT SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	REMARKS
28+50	-	75+46	BELLEVILLE URBAN REHABILITATION	--	15,602	2,849	
75+46	-	140+17	GEHIN RD TO FRENCHTOWN RD	14,478	--	--	
140+17	-	184+96	FRENCHTOWN RD TO CTH A EAST	9,993	--	--	
184+96	-	214+74	CTH A EAST TO HENRY RD	6,631	--	--	
214+74	-	274+90	HENRY RD TO DIANE AVE	2,082	--	--	
274+90	-	319+31	DIANE AVE TO HIMSEL RD	8,780	--	--	
319+31	-	387+77	HIMSEL RD TO SUNSET DR	14,602	--	--	
387+77	-	458+00	SUNSET DR TO PINE ROW	12,911	--	--	
52+85"OS"	-	100+00"ON"	OLD STH 69	--	10,478	--	
			TOTAL	**69,478**	**26,080**	**2,849**	

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

EARTHWORK SUMMARY

STATION TO STATION	LOCATION	205.0100 EXCAVATION COMMON (1)* CUT (2)	205.0100 EXCAVATION COMMON (1)* EBS EXCAV. (3)	SALVAGED/ UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	205.0200 EXCAVATION ROCK (7)	REDUCED EBS IN FILL (9) FACTOR 0.80	EXPANDED EBS BACKFILL (11) FACTOR 1.30	EXPANDED ROCK (12) FACTOR 1.10	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.25	208.0100 BORROW	MASS ORDINATE +/- (5)	WASTE	REMARKS
		CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	
FIRST YEAR															
225+00 TO 275+00	STH 69	21,338	2,163	3,382	17,956	0	1,730	2,812	0	20,572	23,552	7,071	-7,071	0	
280+00 TO 458+00	STH 69	82,242	27,673	11,835	70,407	8,816	22,138	35,069	9,698	111,863	100,034	64,630	-64,630	0	
	SIDE ROADS	10,318	0	1,317	9,001	0	0	0	0	5,708	7,135	0	1,866	1,866	
	DRIVEWAYS	169	0	0	169	0	0	0	0	3,158	3,948	1,913	-3,779	0	
	UNDISTRIBUTED	0	1,780	0	0	0	0	0	0	0	0	0	1,780	1,780	
SECOND YEAR															
75+46 TO 225+00	STH 69	68,036	23,735	9,916	58,120	2,435	18,988	30,855	2,679	58,045	45,474	18,209	-18,209	0	
275+00 TO 280+00	STH 69	3,255	0	332	2,923	0	0	0	0	429	537	0	1,118	1,118	
	SIDE ROADS	5,605	0	883	4,722	0	0	0	0	5,516	6,895	19,265	-2,173	0	
	DRIVEWAYS	45	0	0	45	0	0	0	0	1,026	1,283	1,175	-1,238	0	
	UNDISTRIBUTED	0	1,331	0	0	0	0	0	0	0	0	0	1,331	1,331	
	SUBTOTAL	191,008	56,682	27,664	163,344	11,251	42,856	68,736	12,376	206,318	188,858	112,263		6,095	
	TOTAL	**247,690**		**27,664**	**163,344**	**11,251**	**42,856**	**68,736**	**12,376**	**206,318**	**188,858**	**112,263**		**6,095**	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(3) EBS EXCAVATION TO BE BACKFILLED WITH SUITABLE MATERIAL FROM EXCAVATION ELSEWHERE ON THE PROJECT OR BORROW MATERIAL UNLESS OTHERWISE NOTED IN THE PLANS.

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL

(5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(7) ROCK EXCAVATION ITEM NUMBER 205.0200

(9) REDUCED EBS IN FILL - SEE "EBS FILL DETAIL" FOR LOCATIONS WHERE EXCAVATED EBS MATERIAL IS USUABLE. EBS IN FILL REDUCTION FACTOR = 0.80

(11) EXPANDED EBS BACKFILL - THIS IS TO BE FILLED WITH SUITABLE MATERIAL FROM EXCAVATION ELSEWHERE ON THE PROJECT OR BORROW MATERIAL. EBS BACKFILL FACTOR = 1.30.

(12) EXPANDED ROCK FACTOR = 1.10

(13) EXPANDED FILL FACTOR = 1.25

EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED EBS) * FILL FACTOR

(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

REMOVING CURB AND GUTTER

204.0150

STATION	-	STATION	LOCATION	REMOVING CURB AND GUTTER LF	REMARKS
31+55	-	31+65	RT	10	FEDERAL AVE SE CURB RAMP
32+10	-	32+20	RT	12	FEDERAL AVE NE CURB RAMP
37+25	-	37+35	RT	14	5TH AVE SE CURB RAMP
37+70	-	37+80	RT	13	5TH AVE NE CURB RAMP
46+60	-	46+80	RT	24	GREENWAY CROSS CT SE CURB RAMP
47+35	-	47+50	RT	17	GREENWAY CROSS CT NE CURB RAMP
63+05	-	63+10	LT	15	BOWLAVARD AVE SW CURB RAMP
63+45	-	63+55	LT	15	BOWLAVARD AVE NW CURB RAMP
71+00	-	71+10	LT	24	RICHARD ST SW CURB RAMP
425+25	-	426+55	LT	148	RIVERSIDE ROAD
440+10	-	441+15	RT	119	MANHATTAN DR
444+13	-	447+08	RT	295	RETAINING WALL
			TOTAL	**706**	

REMOVING CONCRETE SIDEWALK

204.0155

STATION	-	STATION	LOCATION	REMOVING CONCRETE SIDEWALK SY	REMARKS
31+30	-	31+60	RT	11	FEDERAL AVE SE CURB RAMP
32+10	-	32+45	RT	12	FEDERAL AVE NE CURB RAMP
36+90	-	37+30	RT	17	5TH AVE SE CURB RAMP
37+75	-	38+05	RT	13	5TH AVE NE CURB RAMP
41+25	-	41+50	RT	10	N SHORE DR SE CURB RAMP
41+40	-	41+45	LT	12	N SHORE DR SW CURB RAMP
42+00	-	42+25	RT	11	N SHORE DR NE CURB RAMP
46+35	-	46+85	RT	36	GREENWAY CROSS CT SE CURB RAMP
47+40	-	47+70	RT	23	GREENWAY CROSS CT NE CURB RAMP
51+75	-	52+40	RT	9	KARL AVE EAST CURB RAMP
52+45	-	52+60	LT	11	KARL AVE NW CURB RAMP
62+80	-	63+10	LT	25	BOWLAVARD AVE SW CURB RAMP
63+50	-	63+80	LT	29	BOWLAVARD AVE NW CURB RAMP
70+90	-	71+10	LT	19	RICHARD ST SW CURB RAMP
			TOTAL	**238**	

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

OBLITERATING OLD ROAD

214.0100

OBLITERATING
OLD ROAD

STATION	-	STATION	STA	REMARKS
82+75	-	91+75	10	
96+00	-	102+00	6	MOREHEAD ROAD
132+00	-	140+00	10	FRENCHTOWN ROAD
167+00	-	169+00	4	CTH A WEST
231+00	-	241+75	11	
271+50	-	273+50	2	DIANE AVE
272+00	-	274+00	3	
286+50	-	288+00	3	CTH PB
351+00	-	370+00	20	
397+00	-	405+00	9	
402+60	-	403+80	2	LOCUST DR
408+50	-	422+00	15	
		TOTAL	95	

AGGREGATE ITEMS

STATION	-	STATION	LOCATION	211.0400 PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS STA	305.0110 BASE AGGREGATE DENSE 3/4 INCH* TON	305.0120 BASE AGGREGATE DENSE 1-1/4 INCH TON	312.0110 SELECT CRUSHED MATERIAL* TON	371.2000.S QMP BASE AGGREGATE DENSE 1-1/4 INCH COMPACTION EACH	645.022 GEOGRID TYPE SR* SY	623.0200 DUST CONTROL SURFACE TREATMENT SY	SPV.0195.01 TRAFFIC CONTROL BASE COURSE TON	SPV.0195.02 TRAFFIC BOND LIMESTONE 3/8 INCH* TON	REMARKS
28+50	-	75+46	BELLEVILLE URBAN REHABILITATION	47	319	--	--	--	--	--	--	--	
75+46	-	140+17	GEHIN RD TO FRENCHTOWN RD	--	860	25,473	21,530	16	33,895	33,895	1,692	--	
140+17	-	184+96	FRENCHTOWN RD TO CTH A EAST	--	610	18,407	15,595	12	31,469	31,469	1,171	--	
184+96	-	214+75	CTH A EAST TO HENRY RD	--	403	11,413	9,757	8	16,912	16,912	779	--	
214+75	-	279+00	HENRY RD TO DIANE AVE	--	818	24,429	20,767	20	43,427	43,427	1,680	--	
279+00	-	319+31	DIANE AVE TO HIMSEL RD	--	472	16,290	14,126	12	12,008	12,008	1,054	--	
319+31	-	387+77	HIMSEL RD TO SUNSET DR	--	846	24,779	20,841	16	50,803	50,803	1,790	--	
387+77	-	458+00	SUNSET DR TO PINE ROW	--	904	28,641	24,786	20	38,326	38,326	1,836	--	
46+94"GE"	-	50+00"GE"	GEHIN RD	--	18	171	--	--	--	381	--	--	
46+66"LL"	-	50+00"LL"	LITTLE LAKES RD	--	--	463	--	--	--	672	--	--	
			MOREHEAD RD CUL-DE-SAC	--	24	474	--	--	--	976	--	--	
35+50"FR"	-	54+82"FR"	FRENCHTOWN RD	--	186	2,589	--	--	--	3,986	--	--	
45+30"AW"	-	54+00"AE"	CTH A (WEST AND EAST)	--	98	1,926	--	--	--	2,396	--	--	
50+00"HE"	-	52+50"HE"	HENRY RD	--	23	266	--	--	--	497	--	--	
50+00"OS"	-	103+72"OS"	OLD STH 69	--	364	1,143	--	--	--	2,280	--	--	
50+00"DN"	-	53+96"DN"	DIANE AVE	--	45	1,081	1,178	--	1,341	1,341	--	--	
100+00"PB"	-	110+29"PB"	CTH PB	--	53	3,593	3,186	--	15,274	5,045	--	--	
			PAOLI RD CUL-DE-SACS	--	51	984	--	--	--	2,021	--	--	
46+42"HM"	-	50+00"HM"	HIMSEL RD	--	38	441	--	--	--	835	--	--	
44+11"SC"	-	50+00"SC"	SCHALLER RD	--	70	799	--	--	--	1,515	--	--	
50+00"SU"	-	53+08"SU"	SUNSET DR	--	32	379	--	--	--	728	--	--	
50+00"LD"	-	57+00"LD"	LOCUST DR	--	85	959	--	--	--	1,822	--	--	
47+00"RS"	-	50+00"RS"	RIVERSIDE RD	--	30	450	--	--	--	706	--	--	
50+00"M"	-	52+87"M"	MANHATTAN DR	--	27	314	--	--	--	593	--	--	
75+46	-	458+00	STH 69 EBS	--	--	--	9,185	--	--	--	--	--	
75+46	-	458+00	STH 69 FRENCH DRAINS	--	--	--	524	--	--	--	--	--	
50+00"DN"	-	53+96"DN"	DIANE AVE FRENCH DRAINS	--	--	--	4	--	--	--	--	--	
100+00"PB"	-	110+29"PB"	CTH PB FRENCH DRAINS	--	--	--	13	--	--	--	--	--	
			BIKE PATHS	--	349	--	315	--	996	--	--	116	
			DRIVEWAYS	--	2,897	--	--	--	--	--	--	--	
			UNDISTRIBUTED	--	--	--	5,911	--	--	--	--	--	
			TOTAL	47	9,622	165,464	147,718	104	244,451	252,634	10,000	116	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING GUARDRAIL

204.0165

REMOVING GUARDRAIL

STATION	-	STATION	LOCATION	LF	REMARKS
26+22	-	26+75	LT	53	EAT REMOVAL TO CONNECT TO EXISTING
183+50	-	184+55	RT	127	BG AT CTH A EAST
277+20	-	280+70	LT & RT	520	SUGAR RIVER BRIDGE
286+50	-	287+25	LT	103	CTH PB BRIDGE
386+65	-	390+35	LT & RT	489	SUGAR RIVER BRIDGE
447+10	-	449+50	LT & RT	291	BADGER MILL CREEK BRIDGE
			TOTAL	1583	

CONCRETE ROUNDABOUT TRUCK APRON

STATION	TO	STATION	OFFSET	405.0100 COLORING CONCRETE WISDOT RED CY	416.0512 CONCRETE ROUNDABOUT TRUCK APRON 12-INCH SY	REMARKS
285+87	-	288+94	LT & RT	302	907	
			TOTAL	302	907	

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

ASPHALT PAVEMENT

STATION	TO	STATION	LOCATION	455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	460.6624 HMA PAVEMENT 4 MT 58-28 V TON	SPV.0060.22 HMA BALANCED MIXTURE DESIGN TEST SECTIONS EACH	465.012 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	465.0305 ASPHALTIC SURFACE SAFETY ISLANDS TON	465.0425 ASPHALTIC SHOULDER RUMBLE STRIP 2-LANE RURAL LF	465.0475 ASPHALT CENTER LINE RUMBLE STRIPS 2-LANE RURAL LF	REMARKS
28+50	-	75+46	BELLEVILLE URBAN REHABILITATION	2,359	--	3,854	--	--	--	--	--	--	INCLUDES INTERSECTIONS
75+46	-	140+29	GEHIN RD TO FRENCHTOWN RD	2,866	4,815	3,210	--	--	--	--	11,326	5,283	
140+29	-	184+96	FRENCHTOWN RD TO CTH A EAST	2,061	3,462	2,308	--	--	--	--	6,589	3,667	
184+96	-	214+75	CTH A EAST TO HENRY RD	1,323	2,222	1,481	--	--	9	--	5,278	2,579	
214+75	-	278+21	HENRY RD TO B-13-0433	2,799	4,703	3,135	--	--	--	7	11,013	5,433	
279+42	-	283+62	B-13-0433 TO ROUNDABOUT	178	299	199	--	--	--	--	425	300	
283+62	-	292+48	STH 69-CTH PB ROUNDABOUT	784	1,317	--	878	--	--	--	640	--	INCLUDES PAVEMENT ALONG CTH PB LEGS
292+48	-	319+31	ROUNDABOUT TO HIMSEL RD	1,106	1,858	1,133	--	--	--	--	4,849	1,931	EXCLUDES HMA TEST SECTIONS (ASSUME 1 IN THIS RANGE)
319+31	-	387+77	HIMSEL RD TO SUNSET DR	2,846	4,781	2,658	--	--	--	--	12,164	6,446	EXCLUDES HMA TEST SECTIONS (ASSUME 5 IN THIS RANGE)
300+00	-	385+00	HMA TEST SECTIONS	--	--	424	212	6	--	--	--	--	500' SECTIONS; SURFACE LIFT ONLY; NB LANE ONLY
387+77	-	458+00	SUNSET DR TO PINE ROW	3,470	5,829	3,886	--	--	--	--	10,322	5,223	
46+94"GE"	-	50+00"GE"	GEHIN RD	30	--	59	--	--	--	--	--	--	
			MOREHEAD RD CUL-DE-SAC	86	--	168	--	--	--	--	--	--	
35+50"FR"	-	54+82"FR"	FRENCHTOWN RD (WEST)	91	--	205	--	--	--	--	--	--	
35+50"FR"	-	54+82"FR"	FRENCHTOWN RD (EAST)	217	--	425	--	--	--	--	--	--	
45+30"AW"	-	54+00"AE"	CTH A (WEST AND EAST)	193	--	432	--	--	--	--	--	--	
50+00"HE"	-	52+50"HE"	HENRY RD	40	--	78	--	--	--	--	--	--	
50+00"OS"	-	103+72"ON"	OLD STH 69	585	--	1,005	--	--	--	--	--	--	RECONSTRUCT AREAS
50+00"OS"	-	103+72"ON"	OLD STH 69	563	--	631	--	--	--	--	--	--	OVERLAY
50+00"DN"	-	53+96"DN"	DIANNE AVE	118	199	132	--	--	--	--	--	--	
			PAOLI RD CUL-DE-SACS	177	--	346	--	--	--	--	--	--	
46+42"HM"	-	50+00"HM"	HIMSEL RD	65	--	128	--	--	--	--	--	--	
44+11"SC"	-	50+00"SC"	SCHALLER RD	118	--	231	--	--	--	--	--	--	
50+00"SU"	-	53+08"SU"	SUNSET DR	58	--	114	--	--	--	--	--	--	
50+00"LD"	-	57+00"LD"	LOCUST DR	141	--	277	--	--	--	--	--	--	
47+00"RS"	-	50+00"RS"	RIVERSIDE RD	56	--	127	--	--	--	--	--	--	
50+00"M"	-	52+87"M"	MANHATTAN DR	47	--	92	--	--	--	--	--	--	
			TOTALS	**22,377**	**29,485**	**26,738**	**1,090**	**6**	**9**	**7**	**62,606**	**30,862**	

CATTLE PASS ITEMS

INLET STATION	INLET OFFSET	INLET ELEVATION	OUTLET STATION	OUTLET OFFSET	OUTLET ELEVATION	504.0900 CONCRETE MASONRY ENDWALLS CY	522.1500 PIPE CATTLE PASS REINFORCED CONCRETE LF	602.1500 CONCRETE STEPS SF	633.5200* MARKERS CULVERT END EACH
314+39	49.5' RT	902.50	314+17	49.6' LT	902.00	11	102	155	2
					TOTAL	**11**	**102**	**155**	**2**

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

BOX CULVERT MARKERS

633.5200* MARKERS CULVERT END

STATION	OFFSET	EACH	REMARKS
184+03	LT & RT	2	BOX CULVERT NORTH OF CTH A EAST
106+22"PB"	LT & RT	2	BOX CULVERT ON CTH PB
	TOTAL	**4**	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ENDWALL REMOVAL SUMMARY

204.09060.S REMOVING APRON ENDWALLS

STATION	OFFSET	EACH	REMARKS
41+37	RT	1	
51+80	LT	1	
	TOTAL	**2**	

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

3

3

PWL MIXTURE USE TABLE

THE FOLLOWING ACCEPTANCE CRITERIA ARE APPLICABLE FOR THIS PROJECT:

LOCATION	STATION	MIXTURE USE	UNDERLYING SURFACE	BID ITEMS	TONS	THICKNESS	QUALITY MANAGEMENT PROGRAM TO BE USED FOR:	
							MIXTURE ACCEPTANCE	DENSITY ACCEPTANCE
FIRST LIFT								
NB 12' DRIVING LANE	28+50 TO 75+46	LOWER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	614	1.75"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
SB 12' DRIVING LANE	28+50 TO 75+46	LOWER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	614	1.75"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
NB 5' SHOULDER	28+50 TO 75+46	LOWER LAYER	EXISTING CRUSHED AGGREGATE BASE COURSE	4 MT 58-28 S	256	1.75"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
SB 5' SHOULDER	28+50 TO 75+46	LOWER LAYER	EXISTING CRUSHED AGGREGATE BASE COURSE	4 MT 58-28 S	256	1.75"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
NB 12' DRIVING LANE	75+46 TO 283+62 292+48 TO 458+00	LOWER LAYER	BASE AGGREGATE DENSE	3 MT 58-28 S	7,625	3"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
SB 12' DRIVING LANE	75+46 TO 283+62 292+48 TO 458+00	LOWER LAYER	BASE AGGREGATE DENSE	3 MT 58-28 S	8,297	3"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
RECONSTRUCTION SECTION SHOULDERS OUTSIDE OF ROUNDABOUT LIMITS	75+46 TO 283+62 292+48 TO 458+00	LOWER LAYER	BASE AGGREGATE DENSE	3 MT 58-28 S	8,371	3"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE

PWL MIXTURE USE TABLE (CONTINUED)

THE FOLLOWING ACCEPTANCE CRITERIA ARE APPLICABLE FOR THIS PROJECT:

LOCATION	STATION	MIXTURE USE	UNDERLYING SURFACE	BID ITEMS	TONS	THICKNESS	QUALITY MANAGEMENT PROGRAM TO BE USED FOR:	
							MIXTURE ACCEPTANCE	DENSITY ACCEPTANCE
SECOND LIFT								
NB 12' DRIVING LANE	28+50 TO 75+46	SURFACE LAYER	4 MT 58-28 S	4 MT 58-28 S	614	1.75"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
SB 12' DRIVING LANE	28+50 TO 75+46	SURFACE LAYER	4 MT 58-28 S	4 MT 58-28 S	614	1.75"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
NB 5' SHOULDER	28+50 TO 75+46	SURFACE LAYER	4 MT 58-28 S	4 MT 58-28 S	256	1.75"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
SB 5' SHOULDER	28+50 TO 75+46	SURFACE LAYER	4 MT 58-28 S	4 MT 58-28 S	256	1.75"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
*NB 12' DRIVING LANE	75+46 TO 283+62 292+48 TO 458+00	SURFACE LAYER	3 MT 58-28 S	4 MT 58-28 S	5,084	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
SB 12' DRIVING LANE	75+46 TO 283+62 292+48 TO 458+00	SURFACE LAYER	3 MT 58-28 S	4 MT 58-28 S	5,532	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
RECONSTRUCTION SECTION SHOULDERS OUTSIDE OF ROUNDABOUT LIMITS	75+46 TO 283+62 292+48 TO 458+00	SURFACE LAYER	3 MT 58-28 S	4 MT 58-28 S	5,580	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE

* EXCLUDES AREAS SELECTED FOR HMA BALANCED MIXTURE DESIGN TEST SECTIONS BETWEEN STA 300+00 AND 380+00. ACCEPTANCE REQUIREMENTS ON THE TEST SECTIONS WILL BE HANDLED IN ACCORDANCE WITH THE SPECIAL PROVISION ASSOCIATED WITH ITEM SPV.0060.22.

PWL MIXTURE USE TABLE (CONTINUED)

THE FOLLOWING ACCEPTANCE CRITERIA ARE APPLICABLE FOR THIS PROJECT:

LOCATION	STATION	MIXTURE USE	UNDERLYING SURFACE	BID ITEMS	TONS	THICKNESS	QUALITY MANAGEMENT PROGRAM TO BE USED FOR: MIXTURE ACCEPTANCE	QUALITY MANAGEMENT PROGRAM TO BE USED FOR: DENSITY ACCEPTANCE
FIRST LIFT								
NB 12' BYPASS/RIGHT TURN LANE	77+61 TO 85+83 136+92 TO 138+92 166+16 TO 168+66 179+26 TO 182+76 211+03 TO 213+03 239+80 TO 242+30 269+11 TO 272+61 317+06 TO 321+28 342+56 TO 346+78 343+01 TO 395+01 398+59 TO 400+59 424+28 TO 426+80 437+84 TO 439+84	LOWER LAYER	BASE AGGREGATE DENSE	3 MT 58-28 S	2,525	3"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
SB 12' BYPASS/RIGHT TURN LANE	79+85 TO 81+85 140+05 TO 142+05 168+41 TO 171+41 182+46 TO 184+96 212+89 TO 215+39 272+36 TO 274+86 319+28 TO 321+28 344+79 TO 346+79 394+73 TO 404+06 426+53 TO 429+53 441+38 TO 443+38	LOWER LAYER	BASE AGGREGATE DENSE	3 MT 58-28 S	996	3"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
STH 69/CTH PB ROUNDABOUT	283+62 TO 292+48 100+00 TO 100+29 "PB" 20+00 TO 23+33 "C"	LOWER LAYER	BASE AGGREGATE DENSE	3 MT 58-28 S	1,317	3"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
GEHIN RD FENCHTOWN RD (EAST) HENRY RD HIMSEL RD SCHALLER RD SUNSET DR LOCUST DR MANHATTAN DR OLD HWY 69 MOREHEAD CUL-DE-SAC PAOLI RD CUL-DE-SAC	46+94 TO 50+00 "GE" 35+50 TO 54+82 "FR" 50+00 TO 52+50 "HE" 46+42 TO 50+00 "HM" 44+11 TO 50+00 "SC" 50+00 TO 53+08 "SU" 50+00 TO 57+00 "LD" 50+00 TO 52+87 "M" 50+00 TO 103+72 "ON"	LOWER LAYER	BASE AGGREGATE DENSE	4 MT 58-28 S	1,462	1.75"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
FRENCHTOWN RD (WEST) CTH A RIVERSIDE RD	50+00 TO 54+82 "FR" 50+00 TO 54+00 "AE" 45+30 TO 50+00 "AW" 40+00 TO 50+00 "RS"	LOWER LAYER	BASE AGGREGATE DENSE	4 MT 58-28 S	382	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
DIANNE AVE	50+00 TO 53+96 "DN"	LOWER LAYER	BASE AGGREGATE DENSE	3 MT 58-28 S	199	3"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE

PWL MIXTURE USE TABLE (CONTINUED)

THE FOLLOWING ACCEPTANCE CRITERIA ARE APPLICABLE FOR THIS PROJECT:

LOCATION	STATION	MIXTURE USE	UNDERLYING SURFACE	BID ITEMS	TONS	THICKNESS	QUALITY MANAGEMENT PROGRAM TO BE USED FOR: MIXTURE ACCEPTANCE	QUALITY MANAGEMENT PROGRAM TO BE USED FOR: DENSITY ACCEPTANCE
SECOND LIFT								
NB 12' BYPASS/RIGHT TURN LANE	77+61 TO 85+83 136+92 TO 138+92 166+16 TO 168+66 179+26 TO 182+76 211+03 TO 213+03 239+80 TO 242+30 269+11 TO 272+61 317+06 TO 321+28 342+56 TO 346+78 343+01 TO 395+01 398+59 TO 400+59 424+28 TO 426+80 437+84 TO 439+84	SURFACE LAYER	3 MT 58-28 S	4 MT 58-28 S	1,683	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
SB 12' BYPASS/RIGHT TURN LANE	79+85 TO 81+85 140+05 TO 142+05 168+41 TO 171+41 182+46 TO 184+96 212+89 TO 215+39 272+36 TO 274+86 319+28 TO 321+28 344+79 TO 346+79 394+73 TO 404+06 426+53 TO 429+53 441+38 TO 443+38	SURFACE LAYER	3 MT 58-28 S	4 MT 58-28 S	664	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
STH 69/CTH PB ROUNDABOUT	283+62 TO 292+48 100+00 TO 100+29 "PB" 20+00 TO 23+33 "C"	SURFACE LAYER	3 MT 58-28 S	4 MT 58-28 V	878	2"	QMP AS PER SS 460	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
GEHIN RD FENCHTOWN RD (EAST) HENRY RD HIMSEL RD SCHALLER RD SUNSET DR LOCUST DR MANHATTAN DR OLD HWY 69 MOREHEAD CUL-DE-SAC PAOLI RD CUL-DE-SAC	46+94 TO 50+00 "GE" 35+50 TO 54+82 "FR" 50+00 TO 52+50 "HE" 46+42 TO 50+00 "HM" 44+11 TO 50+00 "SC" 50+00 TO 53+08 "SU" 50+00 TO 57+00 "LD" 50+00 TO 52+87 "M" 50+00 TO 103+72 "ON"	SURFACE LAYER	4 MT 58-28 S	4 MT 58-28 S	1,462	1.75"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
FRENCHTOWN RD (WEST) CTH A RIVERSIDE RD	50+00 TO 54+82 "FR" 50+00 TO 54+00 "AE" 45+30 TO 50+00 "AW" 40+00 TO 50+00 "RS"	SURFACE LAYER	4 MT 58-28 S	4 MT 58-28 S	382	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
DIANNE AVE	50+00 TO 53+96 "DN"	SURFACE LAYER	3 MT 58-28 S	4 MT 58-28 S	132	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
OLD HWY 69 (OVERLAY)	50+00 TO 103+72 "ON"	SURFACE LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	631	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE

HMA PAVEMENT PWL, TEST STRIP

STATION	TO	STATION	LOCATION	PAVEMENT TYPE	460.0105.S HMA PAVEMENT PWL TEST STRIP VOLUMETRICS EACH	460.0110.S HMA PAVEMENT PWL TEST STRIP DENSITY EACH	REMARKS
28 + 50	-	75 + 46	BINDER LIFT ON MILLED SURFACE	4 MT 58-28 S	--	1	
28 + 50	-	75 + 46	SURFACE LIFT ON MILLED SURFACE	4 MT 58-28 S	--	1	
75 + 46	-	458 + 00	BINDER LIFT MAINLINE	3 MT 58-28 S	1	1	
75 + 46	-	458 + 00	SURFACE LIFT MAINLINE	4 MT 58-28 S	1	1	
			ITEM TOTALS		**2**	**4**	

ASPHALTIC FLUMES

		465.0315	606.0200	645.0120	
		ASPHALTIC FLUMES	RIPRAP MEDIUM*	GEOTEXTILE FABRIC TYPE HR*	
STATION	OFFSET	SY	CY	SY	REMARKS
49+14"GE"	LT	7	2	4	GEHIN RD NW RADIUS
49+34"GE"	RT	7	2	4	GEHIN RD SW RADIUS
49+22"LL"	LT	7	2	4	LITTLE LAKES RD NW RADIUS
49+41"LL"	RT	7	2	4	LITTLE LAKES RD SW RADIUS
104+02	LT	7	2	4	
49+10"FR"	RT	7	2	4	FRENCHTOWN RD SW RADIUS
49+27"FR"	LT	7	2	4	FRENCHTOWN RD NW RADIUS
50+62"FR"	RT	7	2	4	FRENCHTOWN RD SE RADIUS
139+98	RT	7	2	4	FRENCHTOWN RD NE RADIUS
49+13"AW"	LT	7	2	4	CTH A NW RADIUS
49+33"AW"	RT	7	2	4	CTH A SW RADIUS
183+03	RT	7	2	4	CTH A SE RADIUS
183+77	RT	7	2	4	CTH A NE RADIUS
50+62"HE"	RT	7	2	4	HENRY RD SE RADIUS
217+00	LT	7	2	4	
217+27	RT	9	3	5	
240+80	LT	7	2	4	OLD STH 69 SW RADIUS
51+16"OS"	RT	7	2	4	OLD STH 69 NW RADIUS
50+50"DN"	RT	7	2	4	DIANE AVE NE RADIUS
274+17	RT	7	2	4	DIANE AVE NW RADIUS
283+49	RT	10	2	4	CTH PB ROUNDABOUT
285+93	LT	12	2	4	CTH PB ROUNDABOUT
287+82	LT	9	2	4	CTH PB ROUNDABOUT
289+07	RT	10	2	4	CTH PB ROUNDABOUT
291+14	LT	11	2	4	CTH PB ROUNDABOUT
49+61"HM"	RT	7	2	4	HIMSEL RD SE RADIUS
319+00	LT	7	2	4	HIMSEL RD SW RADIUS
333+53	LT	7	2	4	
333+53	RT	7	2	4	
338+03	LT	7	2	4	
338+53	RT	7	2	4	
49+14"SC"	LT	8	2	4	SCHALLER RD NW RADIUS
49+34"SC"	RT	8	2	4	SCHALLER RD SW RADIUS
50+39"SU"	LT	7	2	4	SUNSET DR NE RADIUS
50+47"SU"	RT	7	2	4	SUNSET DR SE RADIUS
400+96	RT	7	2	4	LOCUST DR SE RADIUS
50+83"LD"	LT	7	2	4	LOCUST DR NE RADIUS
49+14"RS"	LT	7	2	4	RIVERSIDE RD NW RADIUS
49+32"RS"	RT	7	2	4	RIVERSIDE RD SW RADIUS
50+67"M"	LT	7	2	4	MANHATTAN DR NE RADIUS
50+87"M"	RT	7	2	4	MANHATTAN DR SE RADIUS
443+97	RT	7	2	4	
444+16	LT	7	2	4	
448+64	LT	7	2	4	NORTH END OF B-13-365
448+64	RT	7	2	4	NORTH END OF B-13-365
	TOTAL	336	101	181	

FENCE SAFETY

616.0700.S

FENCE SAFETY

STATION	TO	STATION	LOCATION	LF	REMARKS
28+50	-	75+46	BELLEVILLE URBAN REHABILITATION	765	
184+96	-	214+75	CTH A EAST TO HENRY RD	120	
214+75	-	279+00	HENRY RD TO DIANE AVE	1,345	
319+31	-	387+77	HIMSEL RD TO SUNSET DR	1,975	
387+77	-	458+00	SUNSET DR TO PINE ROW	170	
35+50"FR"	-	54+82"FR"	FRENCHTOWN RD (WEST)	845	
46+31"AW"	-	46+35"AW"	CTH A	20	5'x5' FENCE AROUND DF9765
			TOTALS	5,240	

DANE COUNTY PARKS CANOE AND KAYAK LANDING, PATH, AND PARKING LOT

		SPV.0195.02	305.0110	312.0110	205.0100	645.0220	645.0140	SPV.0060.04	
		TRAFFIC BOND LIMESTONE 3/8 INCH*	BASE AGGREGATE DENSE 3/4 INCH*	SELECT CRUSHED MATERIAL*	EXCAVATION COMMON*	GEOGRID TYPE SR*	GEOTEXTILE TYPE SAS	CANOE AND KAYAK LAUNCH	
STATION	LOCATION	TON	TON	TON	CY	SY	SY	EACH	REMARKS
237+00 LT	BASCO UNIT PARKING LOT	120	342	325	399	1,025	3	1	
385+35 RT	FALK WELLS CANOE LANDING	65	186	177	40	102	3	1	
	TOTALS	185	528	502	439	1,127	6	2	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

DRIVEWAY AND CMCP CULVERTS

	INLET			OUTLET		520.1015 APRON ENDWALLS FOR CULVERT PIPE 15-INCH EACH	520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH EACH	520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	520.1030 APRON ENDWALLS FOR CULVERT PIPE 30-INCH EACH	521.1502 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 15-INCH 4 TO 1 EACH	521.1503 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 18-INCH 4 TO 1 EACH	521.1505 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 24-INCH 4 TO 1 EACH	521.1506 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 30-INCH 4 TO 1 EACH	520.3515 CULVERT PIPE CLASS III-B 15-Inch LF	520.3518 CULVERT PIPE CLASS III-B 18-Inch LF	520.3524 CULVERT PIPE CLASS III-B 24-Inch LF	520.4115 CULVERT PIPE CLASS IV 15-Inch LF	520.4118 CULVERT PIPE CLASS IV 18-Inch LF	520.4124 CULVERT PIPE CLASS IV 24-Inch LF	520.4130 CULVERT PIPE CLASS IV 30-Inch LF	521.3115 CULVERT PIPE CORRUGATED STEEL 15-INCH LF	521.3118 CULVERT PIPE CORRUGATED STEEL 18-INCH LF	
STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION																		REMARKS
51+93	33.1' LT	870.50	51+80	33.4' LT	870.36	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13	EXTENSION OF CULVERT UNDER KARL AVE
41+34	21.7' RT	871.42	41+37	21.8' RT	871.40	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	EXTENSION OF CULVERT UNDER N SHORE DR
92+93	64.1'RT	868.30	93+32	70.7'RT	867.24	--	--	2	--	--	--	--	--	--	--	40	--	--	--	--	--	--	
95+41	55.2' RT	874.22	94+97	59.4' RT	872.42	2	--	--	--	--	--	--	--	46	--	--	--	--	--	--	--	--	
115+16	43.0' RT	890.89	114+89	43.2' RT	890.39	--	--	--	--	2	--	--	--	--	--	--	26	--	--	--	--	--	
50+90"FR"	33.3' RT	888.60	50+60	42.1' RT	888.23	--	2	--	--	--	--	--	--	--	--	--	--	31	--	--	--	--	UNDER BIKE PATH
50+87"FR"	38.7' RT	888.57	50+58	47.0' RT	888.16	--	2	--	--	--	--	--	--	--	--	--	--	30	--	--	--	--	UNDER BIKE PATH
51+11"FR"	28.4' LT	888.67	50+86	38.3' LT	887.90	2	--	--	--	--	--	--	--	--	--	--	27	--	--	--	--	--	UNDER BIKE PATH
52+01"FR"	22.6' RT	890.54	51+77	23.3' RT	890.07	--	2	--	--	--	--	--	--	--	--	--	--	24	--	--	--	--	
52+01"FR"	26.9' RT	890.54	51+76	27.8' RT	890.07	--	2	--	--	--	--	--	--	--	--	--	--	25	--	--	--	--	
53+64"FR"	22.2' RT	894.57	53+43	22.3' RT	893.64	--	2	--	--	--	--	--	--	--	--	--	--	22	--	--	--	--	
53+64"FR"	26.7' RT	894.57	53+42	26.8' RT	893.64	--	2	--	--	--	--	--	--	--	--	--	--	22	--	--	--	--	
145+86	49.1' LT	882.38	146+50	49.8' LT	881.96	--	--	--	--	2	--	--	--	63	--	--	--	--	--	--	--	--	
167+50	55.3' RT	886.60	167+83	55.2' RT	886.42	--	--	--	--	--	2	--	--	--	33	--	--	--	--	--	--	--	UNDER BIKE PATH CONNECTION
171+15	58.1' LT	883.75	171+68	56.3' LT	883.45	--	--	--	--	2	--	--	--	53	--	--	--	--	--	--	--	--	
52+66"AE"	49.3' RT	884.47	51+75"AE"	69.6' RT	881.30	--	2	--	--	--	--	--	--	--	100	--	--	--	--	--	--	--	
53+15"AE"	49.5' LT	885.33	52+38"AE"	48.3' LT	882.79	2	--	--	--	--	--	--	--	79	--	--	--	--	--	--	--	--	
208+94	34.8' RT	890.60	209+21	36.5' RT	890.40	--	--	--	--	2	--	--	--	--	--	--	27	--	--	--	--	--	
214+34	38.8' LT	892.39	214+58	40.3' RT	892.23	--	--	--	--	2	--	--	--	--	--	--	24	--	--	--	--	--	
216+43	37.7' RT	891.39	216+62	41.8' RT	890.64	--	--	--	--	2	--	--	--	--	--	--	19	--	--	--	--	--	
236+85	42.4' LT	888.19	237+19	41.2' LT	888.04	--	--	--	--	2	--	--	--	34	--	--	--	--	--	--	--	--	
242+08	62.1' RT	889.60	241+67	60' RT	889.45	--	--	--	--	--	--	2	--	--	--	42	--	--	--	--	--	--	
250+47	40.4' LT	901.46	250+16	41.2' LT	901.16	--	--	--	--	2	--	--	--	30	--	--	--	--	--	--	--	--	
250+43	49.6' RT	902.15	250+16	49.6' RT	901.91	--	--	--	--	--	--	2	--	--	--	28	--	--	--	--	--	--	
265+19	51.4' RT	898.24	266+12	50.1' RT	898.03	--	--	--	--	2	--	--	--	96	--	--	--	--	--	--	--	--	
266+02	40.9' LT	897.62	266+83	39.9' LT	897.46	--	--	--	--	2	--	--	--	79	--	--	--	--	--	--	--	--	
75+47"OS"	39.7' RT	898.87	75+27"OS"	41.3' RT	898.77	--	2	--	--	--	--	--	--	--	--	--	--	20	--	--	--	--	
76+82"OS"	61.5' LT	898.49	76+94"OS"	73.4' LT	898.31	2	--	--	--	--	--	--	--	--	--	--	22	--	--	--	--	--	
272+82	46.4' LT	896.32	273+06	47.7' LT	896.27	--	--	--	--	--	--	2	--	--	--	--	--	--	24	--	--	--	
53+19"DN"	34.8' LT	897.74	52+79	37.6' LT	897.18	2	--	--	--	--	--	--	--	--	--	--	40	--	--	--	--	--	
53+18"DN"	38.6' LT	897.75	52+79	41.3' LT	897.19	2	--	--	--	--	--	--	--	--	--	--	39	--	--	--	--	--	
53+61"DN"	31.4' LT	898.35	53+42	33.1' LT	898.08	2	--	--	--	--	--	--	--	--	--	--	19	--	--	--	--	--	
53+61"DN"	35.3' LT	898.35	53+42	36.9' LT	898.09	2	--	--	--	--	--	--	--	--	--	--	19	--	--	--	--	--	
102+13"PB"	34.4' RT	900.15	102+64	35.4' RT	900.13	2	--	--	--	--	--	--	--	--	--	--	51	--	--	--	--	--	
50+42"PE"	58.1' LT	900.64	50+74"PE"	52.6' LT	900.54	2	--	--	--	--	--	--	--	--	--	--	32	--	--	--	--	--	UNDER DWY ON PAOLI RD
309+21	61.1' RT	901.75	309+68	62.5' RT	901.61	--	--	2	--	--	--	--	--	--	--	47	--	--	--	--	--	--	
318+75	50.8' RT	906.43	318+36	50.69' RT	906.41	--	--	--	--	2	--	--	--	38	--	--	--	--	--	--	--	--	
320+71	65.2' LT	906.08	321+03	65.5' LT	905.90	--	--	--	--	--	2	--	--	--	34	--	--	--	--	--	--	--	
329+55	39.2' LT	907.14	329+25	39.4' LT	906.66	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	
47+77"SC"	31.2' LT	908.54	47+99"SC"	33.0' LT	908.52	2	--	--	--	--	--	--	--	--	--	--	22	--	--	--	--	--	
365+66	63.7' LT	906.84	365+38	64.3' LT	906.69	--	--	2	--	--	--	--	--	--	--	--	--	--	28	--	--	--	
375+17	51.0' LT	911.75	375+01	51.2' LT	911.69	--	--	--	--	--	--	2	--	--	--	--	--	--	15	--	--	--	
51+22"SU"	52.9' LT	917.00	50+99	57.4' LT	915.11	--	--	2	--	--	--	--	--	--	--	--	--	--	26	--	--	--	
53+01"LD"	17.1'LT	917.99	52+74"LD"	25.8'RT	917.09	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	50	
53+85"LD"	21.2' LT	918.68	53+48	21.7' LT	918.24	2	--	--	--	--	--	--	--	--	--	--	37	--	--	--	--	--	
53+85"LD"	24.9' LT	918.68	53+49	25.4' LT	918.24	2	--	--	--	--	--	--	--	--	--	--	36	--	--	--	--	--	
405+06	52.3' RT	920.66	404+61	54.7' RT	920.21	2	--	--	--	--	--	--	--	47	--	--		--	--	--	--	--	
409+15	39.3' RT	921.69	408+91	40.3' RT	921.61	--	--	--	--	--	2	--	--	--	--	--	--	24	--	--	--	--	
413+58	54.7' LT	920.66	414+13	55.9' LT	920.57	2	--	--	--	--	--	--	--	57	--	--	--	--	--	--	--	--	
413+72	41.8' RT	921.13	413+99	43' RT	921.06	--	--	--	--	--	--	2	--	--	--	--	--	--	26	--	--	--	
417+07	111.0' LT	920.68	417+10	162.1' LT	920.54	--	--	2	--	--	--	--	--	--	--	49	--	--	--	--	--	--	
418+80	56.7' LT	920.76	418+11	58.1' RT	920.53	--	--	2	--	--	--	--	--	--	--	72	--	--	--	--	--	--	
426+50	55.7' RT	922.17	426+09	55.4' RT	922.02	--	--	--	--	--	--	--	2	--	--	--	--	--	--	41	--	--	
426+50	62.8' RT	922.17	426+09	62.6' RT	922.02	--	--	--	--	--	--	--	2	--	--	--	--	--	--	41	--	--	
426+50	69.8' RT	922.17	426+14	69.6' RT	922.02	--	--	--	2	--	--	--	--	--	--	--	--	--	--	36	--	--	
426+50	76.9' RT	922.17	426+14	76.6' RT	922.02	--	--	--	2	--	--	--	--	--	--	--	--	--	--	36	--	--	
441+14	61.9' LT	925.40	440+26	61.2' LT	925.30	--	--	--	--	2	--	--	--	87	--	--	--	--	--	--	--	--	
50+74"M"	31.9'LT	927.63	51+05"M"	30.0'LT	927.39	2	--	--	--	--	--	--	--	31	--	--	--	--	--	--	--	--	
444+49	32.8' LT	931.65	444+28	34.0' LT	931.59	--	--	--	--	2	--	--	--	--	--	--	21	--	--	--	--	--	
452+12	47.0' LT	924.81	451+84	48.4' LT	924.68	--	--	--	--	--	--	2	--	--	--	28	--	--	--	--	--	--	
452+11	53.1' LT	924.81	451+85	54.3' LT	924.68	--	--	2	--	--	--	--	--	--	--	26	--	--	--	--	--	--	
329+55	39.2' LT	907.14	329+25	39.4' LT	906.66	--	2	--	--	--	--	--	--	--	--	--	--	30	--	--	--	--	
					TOTAL	32	21	14	4	27	8	12	4	740	167	332	461	228	119	154	3	63	

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

REINFORCED CONCRETE CULVERT PIPE ITEMS

INLET STATION	INLET OFFSET	INLET ELEVATION	OUTLET STATION	OUTLET OFFSET	OUTLET ELEVATION	522.0115 CULVERT PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	522.0124 CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	522.0130 CULVERT PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	522.0136 CULVERT PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	522.0142 CULVERT PIPE REINFORCED CONCRETE CLASS III 42-INCH LF	522.0148 CULVERT PIPE REINFORCED CONCRETE CLASS III 48-INCH LF	522.0166 CULVERT PIPE REINFORCED CONCRETE CLASS III 66-INCH LF	522.0172 CULVERT PIPE REINFORCED CONCRETE CLASS III 72-INCH	522.0415 CULVERT PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	522.0418 CULVERT PIPE REINFORCED COCNRETE CLASS IV 18-INCH LF	522.0424 CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	522.0436 CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	522.0442 CULVERT PIPE REINFORCED CONCRETE CLASS IV 42-INCH LF	522.0448 CULVERT PIPE REINFORCED CONCRETE CLASS IV 48-INCH LF	522.0454 CULVERT PIPE REINFORCED CONCRETE CLASS IV 54-INCH LF	522.0460 CULVERT PIPE REINFORCED CONCRETE CLASS IV 60-INCH LF	522.2419 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 19x30-INCH LF	522.2429 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 29x45-INCH LF	REMARKS
49+35"GE"	29.6' RT	876.87	49+35"GE"	34.9' LT	876.7	--	--	--	--	--	--	--	--	64	--	--	--	--	--	--	--	--	--	
49+40"LL"	30.4' RT	875.94	49+40"LL"	41.8' LT	875.06	--	--	--	--	--	--	--	--	--	72	--	--	--	--	--	--	--	--	
93+55	48.0' RT	866.59	93+90	48.0' LT	866.51	--	--	--	--	--	--	102	--	--	--	--	--	--	--	--	--	--	--	
93+65	48.5' RT	866.59	94+00	48.0' LT	866.51	--	--	--	--	--	--	102	--	--	--	--	--	--	--	--	--	--	--	
105+40	40.4' RT	875.79	105+40	39.8' LT	875.61	--	--	80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
121+45	49.9' RT	891.35	120+92	63.7' LT	890.15	--	--	126	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
134+90	41.5' RT	886.42	134+90	46.6' LT	885.08	--	88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
43+50"FR"	27.0' RT	880.05	43+50"FR"	29.0' LT	878.20	--	56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
50+52"FR"	34.9' RT	887.87	50+74"FR"	33.8' LT	887.53	--	--	--	--	--	--	--	--	--	--	72	--	--	--	--	--	--	--	
50+57"FR"	34.0' RT	887.87	50+79"FR"	32.0' LT	887.53	--	--	--	--	--	--	--	--	--	--	70	--	--	--	--	--	--	--	
152+26	30.8' RT	880.42	152+26	33.3' LT	879.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	64	--	--	--	
152+34	30.8' RT	880.42	152+34	33.3' LT	879.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	64	--	--	--	
49+30"AW"	24.4' RT	886.13	49+30"AW"	37.2' LT	885.47	--	--	--	--	--	--	--	--	--	--	62	--	--	--	--	--	--	--	
176+40	44.8' RT	879.56	176+40	35.3' LT	879.04	--	--	--	80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
51+25"AE"	61.8' RT	876.97	51+25"AE"	50.6' LT	876.53	--	--	--	--	112	--	--	--	--	--	--	--	--	--	--	--	--	--	
197+10	30.5' RT	878.96	197+10	31.8' LT	878.54	--	--	--	--	--	--	--	--	--	--	--	--	--	62	--	--	--	--	
209+78	29.8' RT	889.65	209+78	31.8' LT	889.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	62	--	
209+82	29.9' RT	889.65	209+82	31.9' LT	889.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	62	--	
221+18	36.6' RT	882.96	221+11	48.5' LT	882.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	86	--	--	
221+27	36.7' RT	882.96	221+20	48.4' LT	882.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	86	--	--	
51+18"OS"	40.9' RT	890.91	50+42"OS"	43.9' LT	889.1	--	--	--	--	--	--	--	--	112	--	--	--	--	--	--	--	--	--	
50+80"DN"	44.1' RT	896.2	50+80"DN"	42.0' LT	896.00	--	--	--	--	--	--	--	--	--	--	86	--	--	--	--	--	--	--	
50+85"DN"	44.1' RT	896.2	50+85"DN"	42.0' LT	896	--	--	--	--	--	--	--	--	--	--	86	--	--	--	--	--	--	--	
52+59"DN"	30.6' RT	897.2	52+59"DN"	25.1' LT	896.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	56	
52+65"DN"	30.6' RT	897.2	52+65"DN"	25.1' LT	896.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	56	
52+71"DN"	30.6' RT	897.2	52+71"DN"	25.1' LT	896.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	56	
290+49	36.0' RT	895.38	290+49	60.7' LT	895.07	--	--	--	--	--	--	--	--	--	--	--	--	--	96	--	--	--	--	
290+57	36.0' RT	895.38	290+57	60.7' LT	895.07	--	--	--	--	--	--	--	--	--	--	--	--	--	96	--	--	--	--	
303+84	55.6' RT	900.59	303+06	55.1' RT	900.41	--	78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	UNDER BIKE PATH
304+42	59.8' LT	899.79	303+85	59.3' LT	899.62	--	56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	UNDER BIKE PATH
313+17	48.7' RT	900.69	313+03	59.9' LT	900.61	--	--	--	--	--	110	--	--	--	--	--	--	--	--	--	--	--	--	
313+25	48.7' RT	900.69	313+10	59.9' LT	900.61	--	--	--	--	--	110	--	--	--	--	--	--	--	--	--	--	--	--	
313+32	48.7' RT	900.69	313+18	59.9' LT	900.61	--	--	--	--	--	110	--	--	--	--	--	--	--	--	--	--	--	--	
49+25"HM"	40.8' RT	907.08	49+25"HM"	52.9' LT	906.82	--	94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
321+95	42.7' LT	905.46	321+95	29.3' RT	905.04	--	--	--	--	--	--	--	--	--	--	--	72	--	--	--	--	--	--	
326+38	48.5' LT	902.27	326+07	48.5' RT	901.93	--	--	--	--	--	--	--	--	--	--	--	--	--	102	--	--	--	--	
333+00	39.9' RT	910.78	333+00	40.5' LT	910.52	--	80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
342+68	46.3' LT	907.38	342+57	47.2' RT	907.02	--	94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
48+40"SC"	27.5' LT	908.49	48+40"SC"	34.0' RT	908.31	--	62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
362+46	42.4' LT	905.28	361+81	43.1' RT	905.15	--	--	--	--	--	--	--	109	--	--	--	--	--	--	--	--	--	--	
362+59	42.6' LT	905.25	361+93	43.8' RT	904.94	--	--	--	--	--	--	--	109	--	--	--	--	--	--	--	--	--	--	
362+72	42.5' LT	905.29	362+06	43.9' RT	904.90	--	--	--	--	--	--	--	109	--	--	--	--	--	--	--	--	--	--	
362+85	42.2' LT	905.35	362+19	43.7' RT	904.92	--	--	--	--	--	--	--	109	--	--	--	--	--	--	--	--	--	--	
372+14	34.6' LT	910.62	372+14	30.0' RT	910.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	65	--	--	--	
372+23	34.5' LT	910.63	372+23	29.9' RT	910.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	65	--	--	--	
50+77"SU"	43.1' LT	913.47	50+76"SU"	44.7' RT	913.03	--	--	--	--	--	88	--	--	--	--	--	--	--	--	--	--	--	--	
50+85"SU"	43.1' LT	913.47	50+84"SU"	44.7' RT	913.03	--	--	--	--	--	88	--	--	--	--	--	--	--	--	--	--	--	--	
50+93"SU"	43.1' LT	913.47	50+92"SU"	44.7' RT	913.03	--	--	--	--	--	88	--	--	--	--	--	--	--	--	--	--	--	--	
51+08"LD"	37.6' LT	917.42	51+08"LD"	47.9' RT	916.09	--	86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
51+12"LD"	37.6' LT	917.42	51+12"LD"	47.9' RT	916.09	--	86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
419+18	29.3' RT	920.7	419+18	42.8' LT	920.2	--	--	--	--	--	--	--	--	--	--	--	--	72	--	--	--	--	--	
419+25	29.3' RT	920.7	419+25	42.8' LT	920.20	--	--	--	--	--	--	--	--	--	--	--	--	72	--	--	--	--	--	
419+32	29.3' RT	920.7	419+32	42.8' LT	920.2	--	--	--	--	--	--	--	--	--	--	--	--	72	--	--	--	--	--	
51+28"M"	21.4' LT	927.17	51+28"M"	24.2' RT	926.93	46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
51+32"M"	21.4' LT	927.17	51+32"M"	24.2' RT	926.93	46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
					TOTALS	92	780	206	80	112	594	204	436	176	72	376	72	216	356	258	172	124	168	

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

REINFORCED CONCRETE CULVERT ENDWALL ITEMS

INLET STATION	INLET OFFSET	INLET ELEVATION	OUTLET STATION	OUTLET OFFSET	OUTLET ELEVATION	521.0336 APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 36-INCH 4 TO 1 EACH	521.0342 APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 42-INCH 4 TO 1 EACH	521.0348 APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 48-INCH 4 TO 1 EACH	521.0354 APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 54-INCH 4 TO 1 EACH	521.0360 APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 60-INCH 4 TO 1 EACH	521.0436 APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 36-INCH 6 TO 1 EACH	522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH* EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH* EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH	522.1042 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 42-INCH EACH	522.1048 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 48-INCH EACH	522.1060 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 60-INCH EACH	522.1066 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 66-INCH EACH	522.2629 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 29X45-INCH EACH	SPV.0060.02 APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 72-INCH 4 TO 1 EA CH	SPV.0060.03 APRON ENDWALLS FOR CULVERT PIPE ARCH SLOPED CROSS DRAINS STEEL 19X30-INCH 4 TO 1 EACH	633.5200 MARKERS CULVERT END* EACH	REMARKS
49+35"GE"	29.6' RT	876.87	49+35"GE"	34.9' LT	876.7	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	2	
49+40"LL"	30.4' RT	875.94	49+40"LL"	41.8' LT	875.06	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	2	
93+55	48.0' RT	866.59	93+90	48.0' LT	866.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--	2	
93+65	48.5' RT	866.59	94+00	48.0' LT	866.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	
105+40	40.4' RT	875.79	105+40	39.8' LT	875.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	
121+45	49.9' RT	891.35	120+92	63.7' LT	890.15	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	2	
134+90	41.5' RT	886.42	134+90	46.6' LT	885.08	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	2	
43+50"FR"	27.0' RT	880.05	43+50"FR"	29.0' LT	878.20	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	2	
50+52"FR"	34.9' RT	887.87	50+74"FR"	33.8' LT	887.53	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	2	
50+57"FR"	34.0' RT	887.87	50+79"FR"	32.0' LT	887.53	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	
152+26	30.8' RT	880.42	152+26	33.3' LT	879.58	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	
152+34	30.8' RT	880.42	152+34	33.3' LT	879.58	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
49+30"AW"	24.4' RT	886.13	49+30"AW"	37.2' LT	885.47	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	2	
176+40	44.8' RT	879.56	176+40	35.3' LT	879.04	1	--	--	--	--	1	--	--	--	--	2	--	--	--	--	--	--	--	2	
51+25"AE"	61.8' RT	876.97	51+25"AE"	50.6' LT	876.53	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	2	
197+10	30.5' RT	878.96	197+10	31.8' LT	878.54	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	
209+78	29.8' RT	889.65	209+78	31.8' LT	889.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	2	
209+82	29.9' RT	889.65	209+82	31.9' LT	889.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	
221+18	36.6' RT	882.96	221+11	48.5' LT	882.54	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	--	--	2	
221+27	36.7' RT	882.96	221+20	48.5' LT	882.54	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	--	--	--	
51+18"OS"	40.9' RT	890.91	50+42"OS"	43.9' LT	889.1	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	2	
50+80"DN"	44.1' RT	896.2	50+80"DN"	42.0' LT	896.00	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	2	
50+85"DN"	44.1' RT	896.2	50+85"DN"	42.0' LT	896	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	
52+59"DN"	30.6' RT	897.2	52+59"DN"	25.1' LT	896.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	2	
52+65"DN"	30.6' RT	897.2	52+65"DN"	25.1' LT	896.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	
52+71"DN"	30.6' RT	897.2	52+71"DN"	25.1' LT	896.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	
290+49	36.0' RT	895.38	290+49	60.7' LT	895.07	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	
290+57	36.0' RT	895.38	290+57	60.7' LT	895.07	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
303+84	55.6' RT	900.59	303+06	55.1' RT	900.41	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	2	UNDER BIKE PATH
304+42	59.8' LT	899.79	303+85	59.2' LT	899.62	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	2	UNDER BIKE PATH
313+17	48.7' RT	900.69	313+03	59.9' LT	900.61	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	2	
313+25	48.7' RT	900.69	313+10	59.9' LT	900.61	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	
313+32	48.7' RT	900.69	313+18	59.9' LT	900.61	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	
49+25"HM"	40.8' RT	907.08	49+25"HM"	52.9' LT	906.82	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	2	
321+95	42.7' LT	905.46	321+95	29.3' RT	905.04	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	
326+38	48.5' LT	902.27	326+07	48.5' RT	901.93	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	2	
333+00	39.9' RT	910.78	333+00	40.5' LT	910.52	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	2	
342+68	46.3' LT	907.38	342+57	47.2' RT	907.02	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	2	
48+40"SC"	27.5' LT	908.49	48+40"SC"	34.0' RT	908.31	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	2	
362+46	42.4' LT	905.28	361+81	43.1' RT	905.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	2	
362+59	42.6' LT	905.25	361+93	43.8' RT	904.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	
362+72	42.5' LT	905.29	362+06	43.9' RT	904.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	
362+85	42.2' LT	905.35	362+19	43.7' RT	904.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	
372+14	34.6' LT	910.62	372+14	30.0' RT	910.61	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	
372+23	34.5' LT	910.63	372+23	29.9' RT	910.62	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
50+77"SU"	43.1' LT	913.47	50+76"SU"	44.7' RT	913.03	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	2	
50+85"SU"	43.1' LT	913.47	50+84"SU"	44.7' RT	913.03	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	
50+93"SU"	43.1' LT	913.47	50+92"SU"	44.7' RT	913.03	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	
51+08"LD"	37.6' LT	917.42	51+08"LD"	47.9' RT	916.09	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	2	
51+12"LD"	37.6' LT	917.42	51+12"LD"	47.9' RT	916.09	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	
419+18	29.3' RT	920.7	419+18	42.8' LT	920.2	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	
419+25	29.3' RT	920.7	419+25	42.8' LT	920.20	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
419+32	29.3' RT	920.7	419+32	42.8' LT	920.2	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
51+28"M"	21.4' LT	927.17	51+28"M"	24.2' RT	926.93	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	2	
51+32"M"	21.4' LT	927.17	51+32"M"	24.2' RT	926.93	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	
					TOTAL	3	6	7	8	2	1	8	2	30	2	2	2	13	2	4	6	8	4	68	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

3

STORM SEWER STRUCTURES

STRUC. NO.	STATION	OFFSET**	LOCATION	RIM*** ELEV.	INVERT**** ELEV.	DEPTH*****	522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH EACH*	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH*	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0636 INLET COVERS TYPE HM-S EACH	612.0639 INLET COVERS TYPE H-S EACH	611.0652 INLET COVERS TYPE T EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	REMARKS
10	283+67	5.4' LT	STH 69	900.90	895.88	4.02	--	--	--	1	--	--	--	--	1	
11	283+67	12.6' LT	STH 69	901.05	895.75	4.30	--	--	--	1	--	--	--	--	1	
12	283+66	47.5' LT	STH 69	ENDWALL	895.40	--	1	--	--	--	--	--	--	--	--	
13	109+22	20.5' RT	CTH PB	902.48	897.47	4.01	--	--	--	--	--	1	--	--	1	
14	109+16	18.6' RT	CTH PB	902.51	897.02	4.49	--	--	--	--	--	1	--	1	--	
15	108+55	1.5' RT	CTH PB	903.20	896.46	5.74	--	--	1	--	--	--	--	1	--	
16	108+56	9.0' RT	CTH PB	903.33	898.32	4.01	--	--	1	--	--	--	--	--	1	
17	287+02	11.5' RT	STH 69	903.73	895.74	6.91	--	--	--	--	--	--	1	1	--	
18	287+00	21.5' RT	STH 69	903.70	895.54	7.08	--	--	--	--	--	--	1	1	--	
19	286+73	18.0' LT	STH 69	903.80	898.82	3.98	--	--	--	--	--	1	--	--	1	
20	286+51	80.8' LT	STH 69	ENDWALL	894.73	--	--	1	--	--	--	--	--	--	--	
21	291+40	1.5' LT	STH 69	903.48	898.45	4.03	--	--	--	--	1	--	--	--	1	
22	291+40	22.9' LT	STH 69	903.09	898.25	3.84	--	--	--	--	1	--	--	--	1	
23	291+41	56.5' LT	STH 69	ENDWALL	898.08	--	1	--	--	--	--	--	--	--	--	
24	103+54	49.6' RT	CTH PB	ENDWALL	899.58	--	--	1	--	--	--	--	--	--	--	
25	103+67	10.9' RT	CTH PB	903.00	899.24	2.76	--	--	--	1	--	--	--	1	--	
26	103+69	1.5' RT	CTH PB	902.73	899.19	2.54	--	--	--	1	--	--	--	1	--	
27	103+76	30.6' LT	CTH PB	ENDWALL	899.03	--	--	1	--	--	--	--	--	--	--	
28	105+67	47.0' RT	CTH PB	903.55	898.54	4.01	--	--	--	--	--	1	--	1	--	
29	105+18	29.6' RT	CTH PB	903.63	898.18	4.45	--	--	1	--	--	--	--	1	--	
30	105+17	22.0' RT	CTH PB	903.61	898.14	4.47	--	--	1	--	--	--	--	--	1	
31	105+17	39.7' LT	CTH PB	ENDWALL	897.84	--	1	--	--	--	--	--	--	--	--	
						TOTAL	3	3	4	4	2	4	2	8	8	

REMARKS
* ADDITIONAL QUANTITIES LISTED ELSEWHERE
** STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
*** RIM ELEVATIONS ARE TO THE FLANGE OF THE CASTING
**** FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE
***** DEPTH = RIM ELEV - LOWEST PIPE INVERT - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT

STORM SEWER PIPE

FROM STRUCTURE		TO STRUCTURE	INLET ELEV.	DISCHARGE ELEV.	SLOPE (%)	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV LF	608.3615 STORM SEWER PIPE CLASS III-B 15-INCH LF	608.3618 STORM SEWER PIPE CLASS III-B 18-INCH LF	JOINT TIES* EACH	REMARKS
10	-	11	895.88	895.85	0.43%	--	--	7	--	--	
11	-	12	895.75	895.38	1.06%	35	--	--	--	6	
13	-	14	897.47	897.27	0.50%	40	--	--	--	--	
14	-	15	897.02	896.71	0.50%	--	--	62	--	--	
15	-	17	896.46	895.84	0.50%	--	--	--	125	--	
16	-	15	898.32	898.24	1.00%	--	--	8	--	--	
17	-	18	895.74	895.64	1.00%	--	--	--	10	--	
18	-	20	895.54	894.73	1.00%	--	--	--	81	6	
19	-	18	898.82	898.58	1.04%	23	--	--	--	--	
21	-	22	898.45	898.35	0.48%	--	--	21	--	--	
22	-	23	898.25	898.08	0.50%	34	--	--	--	6	
24	-	25	899.58	899.24	0.83%	--	41	--	--	6	
25	-	26	899.24	899.19	0.56%	--	--	--	9	--	
26	-	27	899.19	899.03	0.48%	--	33	--	--	6	
28	-	29	898.54	898.28	0.50%	52	--	--	--	--	
29	-	30	898.18	898.14	0.50%	--	--	8	--	--	
30	-	31	898.14	897.84	0.50%	60	--	--	--	6	
					TOTAL	244	74	106	225		

* NON-BID ITEM: FOR INFORMATION ONLY

WATER SUMMARY

LOCATION	624.0100 WATER MGAL	REMARKS
UNDISTRIBUTED	2626	
TOTAL	2,626	

3

PIPE UNDERDRAINS

STATION		STATION	OFFSET	612.0106 PIPE UNDERDRAIN 6-INCH LF	612.0108 PIPE UNDERDRAIN 8-INCH LF	612.0700 DRAIN TILE EXPLORATION LF	SPV.0060.01 CAP EXISTING DRAIN TILE EACH	REMARKS
283+57	-	291+15	LT & RT	959	--	--	--	
103+63	-	110+30	LT & RT	876	--	--	--	
361+15	-	362+92	LT	175	--	125	--	
343+46	-	345+54	LT & RT	--	--	50	2	
222+34	-	241+66	RT	--	80	125	2	
			TOTAL	175	80	300	4	

MEDIAN NOSE ITEMS

620.0300

CONCRETE MEDIAN SLOPED NOSE

STATION	TO	STATION	SF	REMARKS
283+59	-	283+66	67	TYPE 1
292+44	-	292+51	64	TYPE 1
103+59"PB"	-	103+67"PB"	79	TYPE 1
104+84"PB"	-	104+86"PB"	27	TYPE 2
105+21"PB"	-	105+24"PB"	28	TYPE 2
108+70"PB"	-	108+77"PB"	62	TYPE 1
			327	

ADJUSTING MANHOLE COVERS

611.8110

ADJUSTING MANHOLE COVERS

STATION	LOCATION	EACH	REMARKS
37+82	19.8' LT	1	
	TOTAL	1	

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

CONCRETE CURB AND GUTTER

				601.0405	601.0411	601.0415	601.0553	601.0557	601.0582	
				CONCRETE CURB & GUTTER 18-INCH TYPE A	CONCRETE CURB AND GUTTER 30-INCH TYPE D	CONCRETE CURB AND GUTTER 6-INCH SLOPED 30-INCH TYPE J	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE D	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE T	
STATION	TO	STATION	OFFSET	LF	LF	LF	LF	LF	LF	REMARKS
31+55	-	31+65	RT	--	13	--	--	--	--	FEDERAL AVE SE CURB RAMP
32+10	-	32+20	RT	--	17	--	--	--	--	FEDERAL AVE NE CURB RAMP
37+25	-	37+35	RT	--	15	--	--	--	--	5TH AVE SE CURB RAMP
37+70	-	37+80	RT	--	14	--	--	--	--	5TH AVE NE CURB RAMP
46+60	-	46+80	RT	--	20	--	--	--	--	GREENWAY CROSS CT SE CURB RAMP
47+35	-	47+50	RT	--	17	--	--	--	--	GREENWAY CROSS CT NE CURB RAMP
63+05	-	63+10	LT	--	15	--	--	--	--	BOWLAVARD AVE SW CURB RAMP
63+45	-	63+55	LT	--	15	--	--	--	--	BOWLAVARD AVE NW CURB RAMP
71+00	-	71+10	LT	--	24	--	--	--	--	RICHARD ST SW CURB RAMP
78+55	-	78+95	LT	--	--	--	--	60	--	GEHIN RD SW RADIUS
79+25	-	79+85	LT	--	--	--	--	90	--	GEHIN RD NW RADIUS
83+65	-	84+05	LT	--	--	--	--	58	--	LITTLE LAKES RD SW RADIUS
84+35	-	84+90	LT	--	--	--	--	88	--	LITTLE LAKES RD NW RADIUS
101+00	-	104+00	LT	--	--	--	--	295	--	
138+65	-	139+05	LT	--	--	--	--	72	--	FRENCHTOWN RD SW RADIUS
138+90	-	139+60	RT	--	--	--	--	84	--	FRENCHTOWN RD SE RADIUS
139+40	-	140+05	LT	--	--	--	--	84	--	FRENCHTOWN RD NW RADIUS
139+90	-	140+30	RT	--	--	--	--	72	--	FRENCHTOWN RD NE RADIUS
167+10	-	167+50	LT	--	--	--	--	60	--	CTH A SW RADIUS
167+80	-	168+40	LT	--	--	--	--	91	--	CTH A NW RADIUS
182+75	-	183+75	RT	--	--	--	--	74	--	CTH A SE RADIUS
183+60	-	184+10	RT	--	--	--	--	74	--	CTH A NE RADIUS
213+05	-	213+55	RT	--	--	--	--	92	--	HENRY RD SE RADIUS
213+90	-	217+25	RT	--	--	--	--	353	--	INCLUDES HENRY RD NE RADIUS
214+75	-	217+00	LT	--	--	--	--	226	--	
240+80	-	241+35	LT	--	--	--	--	65	--	OLD 69 SW RADIUS
242+00	-	242+45	LT	--	--	--	--	114	--	OLD 69 NW RADIUS
272+60	-	273+10	RT	--	--	--	--	74	--	DIANE AVE NE RADIUS
273+50	-	273+65	RT	--	--	70	--	--	--	DIANE AVE MEDIAN
273+70	-	274+20	RT	--	--	--	--	63	--	DIANE AVE NW RADIUS
283+50	-	285+00	RT	--	--	--	152	--	--	EAST LEG OF ROUNDABOUT, NORTH SIDE
283+60	-	285+00	LT	--	--	--	274	--	--	EAST LEG OF ROUNDABOUT, MEDIAN
285+00	-	285+95	RT	--	89	--	--	--	--	EAST LEG OF ROUNDABOUT, NORTH SIDE
285+00	-	286+85	LT	--	384	--	--	--	--	EAST LEG OF ROUNDABOUT, MEDIAN
285+95	-	286+65	LT	--	91	--	--	--	--	EAST LEG OF ROUNDABOUT, SOUTH SIDE

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

CONCRETE CURB AND GUTTER (CONT'D)

				601.0405	601.0411	601.0415	601.0553	601.0557	601.0582	
STATION	TO	STATION	OFFSET	CONCRETE CURB & GUTTER 18-INCH TYPE A LF	CONCRETE CURB AND GUTTER 30-INCH TYPE D LF	CONCRETE CURB AND GUTTER 6-INCH SLOPED 30-INCH TYPE J LF	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE D LF	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE T LF	REMARKS
285+95	-	286+85	RT	--	--	--	81	--	--	NE QUAD OF ROUNDABOUT, TRUCK APRON
286+60	-	287+25	LT	--	--	--	104	--	--	SE QUAD OF ROUNDABOUT, TRUCK APRON
286+95	-	288+05	LT & RT	--	--	--	--	--	312	OUTER CENTER ISLAND OF ROUNDABOUT
287+25	-	287+75	LT	148	--	--	--	--	--	INNER CENTER ISLAND OF ROUNDABOUT
103+60"PB"	-	104"PB"+90	RT	--	--	--	135	--	--	SOUTH LEG OF ROUNDABOUT, EAST SIDE
103+60"PB"	-	104"PB"+90	LT	--	--	--	244	--	--	SOUTH LEG OF ROUNDABOUT, MEDIAN
105+20"PB"	-	106"PB"+20	RT	--	96	--	--	--	--	SOUTH LEG OF ROUNDABOUT, EAST SIDE
105+20"PB"	-	106"PB"+65	LT	--	327	--	--	--	--	SOUTH LEG OF ROUNDABOUT, MEDIAN
105+45"PB"	-	106"PB"+20	LT	--	84	--	--	--	--	SOUTH LEG OF ROUNDABOUT, WEST SIDE
107+90"PB"	-	110"PB"+20	RT	--	266	--	--	--	--	NORTH LEG OF ROUNDABOUT, EAST SIDE
108+15"PB"	-	108"PB"+75	LT	--	140	--	--	--	--	NORTH LEG OF ROUNDABOUT, MEDIAN
108+30"PB"	-	110"PB"+30	LT	--	233	--	--	--	--	NORTH LEG OF ROUNDABOUT, WEST SIDE
287+90	-	289+35	LT	--	--	--	200	--	--	SW QUAD OF ROUNDABOUT, TRUCK APRON
288+20	-	289+05	RT	--	92	--	--	--	--	WEST LEG OF ROUNDABOUT, NORTH SIDE
288+20	-	290+10	LT	--	397	--	--	--	--	WEST LEG OF ROUNDABOUT, MEDIAN
289+35	-	290+10	LT	--	77	--	--	--	--	WEST LEG OF ROUNDABOUT, SOUTH SIDE
290+10	-	291+10	LT	--	--	--	107	--	--	WEST LEG OF ROUNDABOUT, SOUTH SIDE
290+10	-	292+50	LT	--	--	--	475	--	--	WEST LEG OF ROUNDABOUT, MEDIAN
318+05	-	318+40	LT	--	--	--	--	58	--	HIMSEL RD SW RADIUS
318+70	-	319+30	LT	--	--	--	--	89	--	HIMSEL RD NW RADIUS
333+50	-	338+00	LT	--	--	--	--	450	--	
333+50	-	338+50	RT	--	--	--	--	500	--	
343+50	-	343+90	LT	--	--	--	--	59	--	SCHALLER RD SW RADIUS
344+20	-	344+80	LT	--	--	--	--	89	--	SCHALLER RD NW RADIUS
395+00	-	395+60	RT	--	--	--	--	89	--	SUNSET DR SE RADIUS
395+85	-	396+25	RT	--	--	--	--	59	--	SUNSET DR NE RADIUS
400+60	-	401+20	RT	--	--	--	--	81	--	LOCUST DR SE RADIUS
401+50	-	401+85	RT	--	--	--	--	62	--	LOCUST DR NE RADIUS
425+25	-	425+65	LT	--	--	--	--	60	--	RIVERSIDE RD SW RADIUS
425+90	-	426+55	LT	--	--	--	--	90	--	RIVERSIDE RD NW RADIUS
439+85	-	440+45	RT	--	--	--	--	91	--	MANHATTAN DR SE RADIUS
440+75	-	441+15	RT	--	--	--	--	60	--	MANHATTAN DR NE RADIUS
443+95	-	447+95	RT	--	--	--	--	400	--	
444+16	-	447+95	LT	--	--	--	--	379	--	
			TOTAL	148	2,426	70	1,772	4,805	312	

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

SIDEWALK ITEMS

				601.0600	602.0405	602.0505	
				CONCRETE CURB PEDESTRIAN	CONCRETE SIDEWALK 4-INCH	CURB RAMP DETECTABLE WARNING FIELD (YELLOW)	
STATION	TO	STATION	OFFSET	LF	SF	SF	REMARKS
31+30	-	31+60	RT	--	102	10	FEDERAL AVE SE CURB RAMP
32+10	-	32+45	RT	--	138	20	FEDERAL AVE NE CURB RAMP
36+90	-	37+30	RT	--	105	10	5TH AVE SE CURB RAMP
37+75	-	38+05	RT	--	102	10	5TH AVE NE CURB RAMP
41+25	-	41+50	RT	--	147	26	N SHORE DR SE CURB RAMP
41+40	-	41+45	LT	--	144	10	N SHORE DR SW CURB RAMP
42+00	-	42+25	RT	--	87	10	N SHORE DR NE CURB RAMP
46+35	-	46+85	RT	--	263	22	GREENWAY CROSS CT SE CURB RAMP
47+40	-	47+70	RT	--	226	18	GREENWAY CROSS CT NE CURB RAMP
51+75	-	52+40	RT	--	143	10	KARL AVE EAST CURB RAMP
51+85	-	52+00	LT	--	165	26	KARL AVE SW CURB RAMPS
52+45	-	52+60	LT	--	208	10	KARL AVE NW CURB RAMP
62+80	-	63+10	LT	--	163	10	BOWLAVARD AVE SW CURB RAMP
63+50	-	63+80	LT	--	140	10	BOWLAVARD AVE NW CURB RAMP
70+90	-	71+10	LT	--	--	--	RICHARD ST SW CURB RAMP
283+65	-	286+75	LT	--	3,265	--	EAST LEG OF ROUNDABOUT, CONCRETE MEDIAN
285+45	-	287+25	RT	--	1,365	40	ROUNDABOUT NE QUADRANT
286+05	-	287+15	LT	--	1,495	40	ROUNDABOUT SE QUADRANT
286+50	-	286+60	LT	34	--	40	EAST LEG OF ROUNDABOUT, MEDIAN OPENING
50+78"FR"	-	50+88"FR"	RT	--	59	18	FRENCHTOWN RD-BADGER ST TRL S CURB RAMP
50+95"FR"	-	51+04"FR"	LT	--	53	18	FRENCHTOWN RD-BADGER ST TRL N CURB RAMP
167+61	-	167+71	RT	--	50	20	ICE AGE TRAIL AT CTH A WEST
52+42"AE"	-	52+56"AE"	RT	--	85	18	CTH A EAST-BADGER STATE TRAIL S CURB RAMP
52+59"AE"	-	52+70"AE"	LT	--	58	14	CTH A EAST-BADGER STATE TRAIL N CURB RAMP
103+65"PB"	-	104+85"PB"	LT	--	1,601	--	SOUTH LEG OF ROUNDABOUT, CONCRETE MEDIAN
105+25"PB"	-	106+55"PB"	LT	--	2,880	--	SOUTH LEG OF ROUNDABOUT, CONCRETE MEDIAN
106+35"PB"	-	106+45"PB"	LT	62	--	40	SOUTH LEG OF ROUNDABOUT, MEDIAN OPENING
108+15"PB"	-	108+70"PB"	LT	--	861	--	NORTH LEG OF ROUNDABOUT, CONCRETE MEDIAN
108+30"PB"	-	108+50"PB"	LT	42	--	40	NORTH LEG OF ROUNDABOUT, MEDIAN OPENING
287+90	-	288+95	RT	--	1,113	40	ROUNDABOUT NW QUADRANT
287+90	-	289+60	LT	--	1,741	40	ROUNDABOUT SW QUADRANT
288+25	-	292+45	LT	--	6,140	--	WEST LEG OF ROUNDABOUT, CONCRETE MEDIAN
288+40	-	288+55	LT	34	--	40	WEST LEG OF ROUNDABOUT, MEDIAN OPENING
50+03"PE"	-	50+16"PE"	LT	--	81	20	PAOLI RD E CUL DE SAC BIKE PATH
303+72	-	303+84	RT	--	81	20	PAOLI RD BIKE PATH N CURB RAMP
303+86	-	303+99	LT	--	80	20	PAOLI RD BIKE PATH S CURB RAMP
49+84"PW"	-	49+97"PW"	LT	--	82	20	PAOLI RD W CUL DE SAC BIKE PATH
			TOTAL	172	23,223	690	

RIPRAP

		606.0200	606.0300	645.0120	
		RIPRAP MEDIUM*	RIPRAP HEAVY	GEOTEXTILE FABRIC TYPE HR*	
STATION	OFFSET	CY	CY	SY	REMARKS
49+35"GE"	LT	1	--	2	GEHIN RD
49+40"LL"	LT	1	--	3	LITTLE LAKES RD
34+36	LT	8	--	16	
93+60	RT	12	--	23	
94+00	LT	25	--	50	
105+40	LT	4	--	9	
120+90	LT	3	--	6	
134+90	LT	2	--	4	
43+50"FR"	LT	2	--	4	FRENCHTOWN RD WEST
50+74"FR"	LT	2	--	4	FRENCHTOWN RD EAST
50+60"FR"	RT	8	--	9	FRENCHTOWN RD EAST
49+30"AW"	LT	2	--	4	CTH A WEST
176+40	LT	4	--	8	
184+00	RT	99	--	211	
193+00	RT	278	--	557	
197+10	LT	7	--	13	
209+80	LT	2	--	4	
51+39"OS"	LT	1	--	2	
50+80"DN"	LT	2	--	4	DIANE AVE
52+65"DN"	LT	5	--	9	DIANE AVE
106+70"PB"	RT	308	--	462	CTH PB
290+53	LT	11	--	22	
302+86	RT	2	--	4	PAOLI RD BIKE PATH
303+78	LT	2	--	4	PAOLI RD BIKE PATH
313+11	RT	22	--	44	
49+25"HM"	LT	2	--	4	HIMSEL RD
321+95	RT	4	--	8	
326+08	RT	4	--	8	
333+00	LT	2	--	4	
48+40"SC"	RT	3	--	6	SCHALLER RD
50+70"SU"	RT	--	19	28	SUNSET DR
51+10"LD"	RT	3	--	6	LOCUST DR
417+25	LT	4	--	8	
51+30"M"	RT	2	--	3	MANHATTAN DR
UNDISTRIBUTED		209	--	388	
	TOTAL	1046	19	1941	

GUARDRAIL ITEMS

				614.0010	614.2300	614.2330	614.2350	614.2500	614.2610	614.2630	FOR INFORMATION ONLY					
				BARRIER SYSTEM GRADING SHAPING	MGS GUARDRAIL 3	MGS GUARDRAIL 3 K	MGS GUARDRAIL SHORT RADIUS	MGS THRIE BEAM TRANSITION	MGS GUARDRAIL TERMINAL EAT	MGS GUARDRAIL SHORT RADIUS TERMINAL	MULCHING	SALVAGED TOPSOIL	FERTILIZER TYPE B	SEEDING MIXTURE NO. 30	SEEDING TEMPORARY	
STATION	TO	STATION	OFFSET	EACH	LF	LF	LF	LF	EACH	EACH	SY	SY	CWT	LB	LB	REMARKS
26+27	-	34+30	LT	1	587.5	175	28.1	--	--	1	714	714	0.4	19	19	LAKE BELLE VIEW
189+01		195+24	RT	--	150	400	40.6	--	1	1	--	--	--	--	--	POND
276+37	-	278+42	RT	--	112.5	--	--	39.4	1	--	--	--	--	--	--	B-13-0433 NE QUAD
276+66	-	278+33	LT	--	75	--	--	39.4	1	--	--	--	--	--	--	B-13-0433 SE QUAD
279+41	-	281+46	LT	--	112.5	--	--	39.4	1	--	--	--	--	--	--	B-13-0433 SW QUAD
279+51	-	281+18	RT	--	75	--	--	39.4	1	--	--	--	--	--	--	B-13-0433 NW QUAD
385+84	-	387+89	RT	--	112.5	--	--	39.4	1	--	--	--	--	--	--	B-13-0434 SE QUAD
386+21	-	387+89	LT	--	75	--	--	39.4	1	--	--	--	--	--	--	B-13-0434 SW QUAD
389+16	-	390+83	RT	--	75	--	--	39.4	1	--	--	--	--	--	--	B-13-0434 NE QUAD
389+16	-	391+21	LT	--	112.5	--	--	39.4	1	--	--	--	--	--	--	B-13-0434 NW QUAD
442+81	-	447+98	RT	--	62.5	362.5	--	39.4	1	--	--	--	--	--	--	B-13-0365 SE QUAD;RETAINING WALL
446+30	-	447+98	LT	--	75	--	--	39.4	1	--	--	--	--	--	--	B-13-0365 SW QUAD
448+49	-	450+16	RT	--	75	--	--	39.4	1	--	--	--	--	--	--	B-13-0365 NE QUAD
448+49	-	450+54	LT	--	112.5	--	--	39.4	1	--	--	--	--	--	--	B-13-0365 NW QUAD
			TOTAL	1	1,813	938	69	473	13	2	714	714	0.4	19	19	

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

PERMANENT SIGNS

SIGN NO.	STATION	OFFSET	SIGN WORDING AND PICTORIALS	CODE	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4X6-IN X 12-FT EACH	634.0614 POSTS WOOD 4X6-IN X 14-FT EACH	634.0616 POSTS WOOD 4X6-IN X 16-FT EACH	634.0618 POSTS WOOD 4X6-IN X 18-FT EACH	634.0808 POSTS TUBULAR STEEL 2X2-INCH X 8-FT EACH	634.0810 POSTS TUBULAR STEEL 2X2-INCH X 10-FT EACH	634.0811 POSTS TUBULAR STEEL 2X2-INCH X 11-FT EACH	REMARKS
01-01	30+35	LT	JUNCTION COUNTY D	J1-1	24	39	6.50	--	--	--	--	1	--	--	--	--	
01-02	32+15	RT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	FEDERAL AVE
01-03	32+50	LT	SPEED LIMIT 30 M.P.H.	R2-1	24	30	5.00	--	--	--	--	1	--	--	--	--	
01-04	32+90	RT	SPEED LIMIT 30 M.P.H.	R2-1	24	30	5.00	--	--	--	--	1	--	--	--	--	
01-05	33+90	RT	ADOPT-A-HIGHWAY HEADER	I55-56	30	18	3.75	--	--	--	--	1	--	--	--	--	
01-06	33+90	RT	AAH SPONSOR KIWANIS OF BELLEVILLE	I55-56P	30	18	3.75	--	--	--	--	1	--	--	--	--	ON SAME POST AS 01-05
01-07	37+75	RT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	5TH AVE
01-08	39+10	RT	PEDESTRIAN CROSSING	W11-2	30	30	--	--	6.25	--	--	--	--	--	--	--	
01-09	39+10	RT	AHEAD	W16-9P	24	12	--	--	2.00	--	--	1	--	--	--	--	ON SAME POST AS 01-08
01-10	41+30	LT	PEDESTRIAN CROSSING	W11-2	30	30	--	--	6.25	--	--	--	--	--	--	--	
01-11	41+30	LT	LEFT DIAGONAL ARROW	W16-7L	24	12	--	--	2.00	--	--	1	--	--	--	--	ON SAME POST AS 01-10
01-12	41+30	RT	PEDESTRIAN CROSSING	W11-2	30	30	--	--	6.25	--	--	--	--	--	--	--	
01-13	41+30	RT	LEFT DIAGONAL ARROW	W16-7L	24	12	--	--	2.00	--	--	1	--	--	--	--	ON SAME POST AS 01-12
01-14	41+45	LT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	N SHORE DR
01-15	42+05	RT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	N SHORE DR
01-16	43+00	RT	SPEED LIMIT 40 M.P.H.	R2-1	24	30	5.00	--	--	--	--	1	--	--	--	--	
01-17	43+00	LT	SPEED LIMIT 30 M.P.H.	R2-1	24	30	5.00	--	--	--	--	1	--	--	--	--	
01-18	47+35	RT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	GREENWAY CROSS CT
01-19	51+90	LT	PEDESTRIAN CROSSING	W11-2	30	30	--	--	6.25	--	--	--	--	--	--	--	ON RRFB-1 POLE
01-20	51+90	LT	RIGHT DIAGONAL ARROW	W16-7R	24	12	--	--	2.00	--	--	--	--	--	--	--	"
01-21	51+90	LT	PEDESTRIAN CROSSING	W11-2	30	30	--	--	6.25	--	--	--	--	--	--	--	"
01-22	51+90	LT	LEFT DIAGONAL ARROW	W16-7L	24	12	--	--	2.00	--	--	--	--	--	--	--	"
01-23	51+90	LT	PUSH BUTTON TO TURN ON WARNING LIGHTS	R10-25	9	12	--	--	0.75	--	--	--	--	--	--	--	"
01-24	51+95	LT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	KARL AVE
01-25	52+00	RT	PEDESTRIAN CROSSING	W11-2	30	30	--	--	6.25	--	--	--	--	--	--	--	ON RRFB-2 POLE
01-26	52+00	RT	LEFT DIAGONAL ARROW	W16-7L	24	12	--	--	2.00	--	--	--	--	--	--	--	"
01-27	52+00	RT	PUSH BUTTON TO TURN ON WARNING LIGHTS	R10-25	9	12	--	--	0.75	--	--	--	--	--	--	--	"
01-28	52+00	RT	NO PEDESTRIANS	R9-3A	18	18	2.25	--	--	1	--	--	--	--	--	--	
01-29	52+00	RT	USE CROSSWALK	R9-3BL	18	12	1.50	--	--	--	--	--	--	--	--	--	ON SAME POST AS 01-28
01-30	52+00	RT	PEDESTRIAN CROSSING	W11-2	30	30	--	--	6.25	--	--	--	--	--	--	--	ON RRFB-2 POLE
01-31	52+00	RT	RIGHT DIAGONAL ARROW	W16-7R	24	12	--	--	2.00	--	--	--	--	--	--	--	"
01-32	52+50	LT	NO PEDESTRIANS	R9-3A	18	18	2.25	--	--	1	--	--	--	--	--	--	
01-33	52+50	LT	USE CROSSWALK	R9-3BL	18	12	1.50	--	--	--	--	--	--	--	--	--	ON SAME POST AS 01-32
			SHEET 01 SUBTOTAL				**72.58**	**0.00**	**59.25**	**2**	**0**	**16**	**0**	**0**	**0**	**0**	
02-01	57+00	LT	PEDESTRIAN CROSSING	W11-2	30	30	--	--	6.25	--	--	1	--	--	--	--	
02-02	57+00	LT	AHEAD	W16-9P	24	12	--	--	2.00	--	--	--	--	--	--	--	ON SAME POST AS 02-01
02-03	59+10	RT	SPEED LIMIT 40 M.P.H.	R2-1	24	30	5.00	--	--	--	--	1	--	--	--	--	
02-04	59+10	LT	SPEED LIMIT 40 M.P.H.	R2-1	24	30	5.00	--	--	--	--	1	--	--	--	--	
02-05	63+05	LT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	BOWLAVARD AVE
02-06	69+00	RT	NORTH 69	J4-1	24	36	6.00	--	--	--	--	1	--	--	--	--	
02-07	70+00	LT	NO PASSING ZONE	W14-3	48	36	--	--	5.56	--	--	1	--	--	--	--	
02-08	71+05	LT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	RICHARD ST
02-09	72+60	LT	SPEED LIMIT 40 M.P.H.	R2-1	24	30	5.00	--	--	--		--	--	--	--	--	
02-10	72+60	RT	SPEED LIMIT 55 M.P.H	R2-1	24	30	5.00	--	--	--	--	1	--	--	--	--	
02-11	72+55	LT	BELLEVILLE POPULATION 2385	I2-3	66	24	11.00	--	--	--	--	2	--	--	--	--	
02-12	75+00	RT	VERONA 10	D2-1	66	15	6.88	--	--	--	--	2	--	--	--	--	
02-13	77+60	LT	SPEED REDUCTION AHEAD 40 M.P.H.	W3-5	36	36	--	--	9.00	--	--	1	--	--	--	--	
02-14	49+40"GE"	RT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	GEHIN RD
02-15	49+20"GE"	LT	DEAD END	W14-1	30	30	--	--	6.25	--	--	1	--	--	--	--	GEHIN RD
02-16	49+40"LL"	RT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	LITTLE LAKES RD
			SHEET 02 SUBTOTAL				**64.60**	**0.00**	**29.06**	**0**	**0**	**16**	**0**	**0**	**0**	**0**	
03-01	101+75	LT	END OF ROAD MARKER	W5-56	18	18	--	2.25	--	1	--	--	--	--	--	--	MOREHEAD RD CUL-DE-SAC
03-02	101+75	LT	END OF ROAD MARKER	W5-56	18	18	--	2.25	--	1	--	--	--	--	--	--	MOREHEAD RD CUL-DE-SAC
03-03	101+75	LT	END OF ROAD MARKER	W5-56	18	18	--	2.25	--	1	--	--	--	--	--	--	MOREHEAD RD CUL-DE-SAC
			SHEET 03 SUBTOTAL				**0.00**	**6.75**	**0.00**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	
04-01	133+10	RT	NO PASSING ZONE	W14-3	48	36	--	--	5.56	--	--	1	--	--	--	--	
04-02	137+25	LT	ADOPT-A-HIGHWAY HEADER	I55-56	30	18	3.75	--	--	--	--	1	--	--	--	--	
04-03	137+25	LT	AAH SPONSOR KIWANIS OF BELLEVILLE	I55-56P	30	18	3.75	--	--	--	--	--	--	--	--	--	ON SAME POST AS 04-02
04-02	141+35	RT	ADOPT-A-HIGHWAY HEADER	I55-56	30	18	3.75	--	--	--	--	1	--	--	--	--	
04-03	141+35	RT	'ONSOR UW FAMILY MED BELLEVILLE FAMILY	I55-56P	30	18	3.75	--	--	--	--	--	--	--	--	--	ON SAME POST AS 04-04
			SHEET 04 SUBTOTAL				**15.00**	**0.00**	**5.56**	**0**	**0**	**3**	**0**	**0**	**0**	**0**	
05-01	45+00"FR"	RT	STOP AHEAD	W3-1	36	36	--	--	9.00	--	--	1	--	--	--	--	FRENCHTOWN ROAD
05-02	48+00"FR"	LT	SPEED LIMIT 30 M.P.H.	R2-1	24	30	5.00	--	--	--	--	1	--	--	--	--	FRENCHTOWN ROAD
05-03	49+10"FR"	RT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	FRENCHTOWN ROAD
05-04	50+85"FR"	LT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	FRENCHTOWN ROAD
05-05	51+35"FR"	RT	SPEED LIMIT 45 M.P.H.	R2-1	24	30	5.00	--	--	--	--	1	--	--	--	--	FRENCHTOWN ROAD
05-06	53+20"FR"	RT	SCHOOL BUS STOP AHEAD	S3-1	36	36	--	--	9.00	--	--	1	--	--	--	--	FRENCHTOWN ROAD
05-07	54+85"FR"	LT	STOP AHEAD	W3-1	36	36	--	--	9.00	--	--	1	--	--	--	--	FRENCHTOWN ROAD
			SHEET 05 SUBTOTAL				**20.36**	**0.00**	**27.00**	**0**	**0**	**7**	**0**	**0**	**0**	**0**	

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

PERMANENT SIGNS (CONT'D)

SIGN NO.	STATION	OFFSET	SIGN WORDING AND PICTORIALS	CODE	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4X6-IN X 12-FT EACH	634.0614 POSTS WOOD 4X6-IN X 14-FT EACH	634.0616 POSTS WOOD 4X6-IN X 16-FT EACH	634.0618 POSTS WOOD 4X6-IN X 18-FT EACH	634.0808 POSTS TUBULAR STEEL 2X2-INCH X 8-FT EACH	634.0810 POSTS TUBULAR STEEL 2X2-INCH X 10-FT EACH	634.0811 POSTS TUBULAR STEEL 2X2-INCH X 11-FT EACH	REMARKS
06-01	154+15	LT	NO PASSING ZONE	W14-3	48	36	--	--	5.56	--	--	1	--	--	--	--	
06-02	157+25	RT	JUNCTION COUNTY A	J1-1	24	39	6.50	--	--	--	--	1	--	--	--	--	
06-03	166+05	LT	SOUTH 69	J4-1	24	36	6.00	--	--	--	--	1	--	--	--	--	
06-04	49+35"AW"	RT	COUNTY A, LEFT ARROW; 69, DOUBLE ARROW	J13-2	48	45	15.00	--	--	--	--	--	1	--	--	--	CTH A WEST
06-05	49+35"AW"	RT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	CTH A WEST
06-06	167+25	RT	COUNTY A, LEFT ARROW/UP ARROW	J13-1	24	45	7.50	--	--	--	--	1	--	--	--	--	
06-07	167+55	RT	LARGE DOUBLE ARROW	W1-7	48	24	--	--	8.00	--	1	--	--	--	--	--	
06-08	48+35"AW"	LT	COUNTY A	M1-5A	24	24	4.00	--	--	--	1	--	--	--	--	--	CTH A WEST
06-09	168+70	LT	COUNTY A, RIGHT ARROW	J13-1	24	45	7.50	--	--	--	--	1	--	--	--	--	
06-10	176+05	RT	COUNTY A, RIGHT AHEAD ARROW	J12-1	24	45	7.50	--	--	--	--	1	--	--	--	--	
06-11	176+50	LT	COUNTY A, RIGHT AHEAD ARROW	J12-1	24	45	7.50	--	--	--	--	1	--	--	--	--	
06-12	167+80	RT	STOP	R1-1	18	18	1.86	--	--	1	--	--	--	--	--	--	ICE AGE TRAIL CONNECTION. 4'-3" MOUNTING HEIGHT
				SHEET 06 SUBTOTAL			**68.54**	**0.00**	**13.56**	**1**	**2**	**8**	**1**	**0**	**0**	**0**	
07-01	182+75	RT	COUNTY A, RIGHT ARROW	J13-1	24	45	7.50	--	--	--	--	1	--	--	--	--	
07-02	183+45	LT	LARGE DOUBLE ARROW	W1-7	48	24	--	--	8.00	--	1	--	--	--	--	--	
07-03	184+00	LT	COUNTY A, LEFT ARROW/UP ARROW	J13-1	24	45	7.50	--	--	--	--	1	--	--	--	--	
07-04	51+35"AE"	RT	COUNTY A	M1-5A	24	24	4.00	--	--	--	1	--	--	--	--	--	CTH A EAST
07-05	50+70"AE"	LT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	CTH A EAST
07-06	50+70"AE"	LT	COUNTY A, LEFT ARROW; 69, DOUBLE ARROW	J13-2	48	45	15.00	--	--	--	--	--	1	--	--	--	CTH A EAST
07-07	185+60	RT	NORTH 69	J4-1	24	36	6.00	--	--	--	--	1	--	--	--	--	
07-08	196+00	LT	NO PASSING ZONE	W14-3	48	36	--	--	5.56	--	--	1	--	--	--	--	
07-09	196+40	RT	NO PASSING ZONE	W14-3	48	36	--	--	5.56	--	--	1	--	--	--	--	
07-10	197+00	LT	JUNCTION COUNTY A	J1-1	24	39	6.50	--	--	--	--	1	--	--	--	--	
07-11	210+00	LT	ADOPT-A-HIGHWAY HEADER AAH SPONSOR UW FAMILY MED BELLEVILLE	I55-56	30	18	3.75	--	--	--	--	1	--	--	--	--	
07-12	210+00	LT	FAMILY CLINIC	I55-56P	30	18	3.75	--	--	--	--	1	--	--	--	--	ON SAME POST AS 07-11
07-13	50+60"HE"	LT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	HENRY RD
07-14	51+50"HE"	RT	SPEED LIMIT 25 M.P.H.	R2-1	24	30	5.00	--	--	--	--	1	--	--	--	--	HENRY RD
				SHEET 07 SUBTOTAL			**69.36**	**0.00**	**19.12**	**0**	**2**	**11**	**1**	**0**	**0**	**0**	
08-01	214+35	LT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	COUNTY PARK DRIVEWAY
08-02	237+15	LT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	COUNTY PARK DRIVEWAY
08-03	50+50"OS"	LT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	OLD HWY 69
08-04	51+25"OS"	RT	DEAD END	W14-1	30	30	--	--	6.25	--	--	1	--	--	--	--	OLD HWY 69
				SHEET 08 SUBTOTAL			**15.54**	**0.00**	**6.25**	**0**	**0**	**4**	**0**	**0**	**0**	**0**	
09-01	271+50	LT	END OF ROAD MARKER	W5-56	18	18	--	2.25	--	1	--	--	--	--	--	--	OLD HWY 69 CUL-DE-SAC
09-02	271+50	LT	END OF ROAD MARKER	W5-56	18	18	--	2.25	--	1	--	--	--	--	--	--	OLD HWY 69 CUL-DE-SAC
09-03	271+50	LT	END OF ROAD MARKER	W5-56	18	18	--	2.25	--	1	--	--	--	--	--	--	OLD HWY 69 CUL-DE-SAC
09-04	270+85	RT	PAOLI UNINCORPORATED	I2-3-U	54	24	9.00	--	--	--	2	--	--	--	--	--	
09-05	51+80"DN"	RT	SPEED LIMIT 35 M.P.H.	R2-1	24	30	5.00	--	--	--	--	1	--	--	--	--	DIANE AVE
09-06	50+30"DN"	LT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	DIANE AVE
09-07	50+45"DN"	LT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	DIANE AVE TOWN HALL/TOWN PARK
09-08	52+80"DN"	LT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	DRIVEWAY
09-09	54+50"DN"	LT	STOP AHEAD	W3-1	36	36	--	--	9.00	--	--	1	--	--	--	--	DIANE AVE
09-10	55+00"DN"	RT	STOP AHEAD	W3-1	36	36	--	--	9.00	--	--	1	--	--	--	--	DIANE AVE
09-11	274+80	RT	JUNCTION COUNTY PB	J1-1	24	39	6.50	--	--	--	--	1	--	--	--	--	
				SHEET 09 SUBTOTAL			**36.04**	**6.75**	**18.00**	**3**	**2**	**7**	**0**	**0**	**0**	**0**	

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

PERMANENT SIGNS (CONT'D)

SIGN NO.	STATION	OFFSET	SIGN WORDING AND PICTORIALS	CODE	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4X6-IN X 12-FT EACH	634.0614 POSTS WOOD 4X6-IN X 14-FT EACH	634.0616 POSTS WOOD 4X6-IN X 16-FT EACH	634.0618 POSTS WOOD 4X6-IN X 18-FT EACH	634.0808 POSTS TUBULAR STEEL 2X2-INCH X 8-FT EACH	634.0810 POSTS TUBULAR STEEL 2X2-INCH X 10-FT EACH	634.0811 POSTS TUBULAR STEEL 2X2-INCH X 11-FT EACH	REMARKS
10-01	278+30	RT	ROUNDABOUT AHEAD	W2-6	36	36	--	--	9.00	--	--	--	1	--	--	--	
10-02	278+30	RT	20 M.P.H.	W13-1	24	24	--	--	4.00	--	--	--	--	--	--	--	ON SAME POST AS 10-01
10-03	278+30	LT	ROUNDABOUT AHEAD	W2-6	36	36	--	--	9.00	--	--	--	1	--	--	--	
10-04	278+30	LT	20 M.P.H.	W13-1	24	24	--	--	4.00	--	--	1	--	--	--	--	ON SAME POST AS 10-03
10-05	280+30	RT	ROUNDABOUT DIAGRAMATIC	D1-62	102	66	46.75	--	--	--	--	--	2	--	--	--	
10-06	283+70	LT	KEEP RIGHT	R4-7	36	48	12.00	--	--	--	--	--	1	--	--	--	
10-07	283+70	LT	OBJECT MARKER	W5-54	18	18	--	--	2.25	--	--	--	--	--	--	--	ON SAME POST AS 10-06
10-08	286+70	LT	YIELD	R1-2	36	31	3.88	--	--	--	--	--	--	--	--	1	
10-09	286+80	RT	YIELD	R1-2	36	31	3.88	--	--	--	--	--	--	--	--	1	
10-10	287+40	LT	ONE WAY, RIGHT ARROW	R6-1R	36	12	3.00	--	--	--	--	--	--	2	--	--	
10-11	287+40	LT	ROUNDABOUT CHEVRON	R6-4B	60	24	10.00	--	--	--	--	--	--	--	--	--	ON SAME POSTS AS 10-10
10-12	108+25"PB"	LT	COUNTY PB ROUNDABOUT EXIT	D1-1	36	18	4.50	--	--	--	--	--	--	--	1	--	CTH PB
10-13	108+75"PB"	RT	COUNTY PB	M1-5A	24	24	4.00	--	--	--	--	1	--	--	--	--	CTH PB
10-14	108+75"PB"	RT	DO NOT ENTER	R5-1	30	30	6.25	--	--	--	--	--	--	--	--	--	CTH PB; ON SAME POST AS 10-13
10-15	108+65"PB"	LT	KEEP RIGHT	R4-7	24	30	5.00	--	--	--	--	1	--	--	--	--	CTH PB
10-16	109+70"PB"	RT	SPEED LIMIT 25 M.P.H.	R2-1	24	30	2.50	--	--	--	--	1	--	--	--	--	CTH PB
10-17	"PB"	LT	JUNCTION 69	J1-1	24	39	6.50	--	--	--	--	1	--	--	--	--	CTH PB; APPROX. 450' NORTH OF ROUNDABOUT
10-18	"PB"	LT	ROUNDABOUT AHEAD	W2-6	30	30	--	--	6.25	--	--	1	--	--	--	--	CTH PB; APPROX. 350' NORTH OF ROUNDABOUT
10-19	"PB"	LT	20 MPH	W13-1	18	18	--	--	2.25	--	--	--	--	--	--	--	CTH PB; APPROX. 350' NORTH OF ROUNDABOUT; ON SAME POST AS 10-18
10-20	109+65"PB"	LT	SOUTH 69 LEFT TURN, NORTH 69 RIGHT TURN	J2-2	48	57	19.00	--	--	--	--	1	--	--	--	--	CTH PB
10-21	108+30"PB"	LT	YIELD	R1-2	36	31	3.88	--	--	--	--	--	--	--	--	1	CTH PB
10-22	108+40"PB"	LT	YIELD	R1-2	36	31	3.88	--	--	--	--	--	--	--	--	1	CTH PB
10-23	287+60	LT	ONE WAY, RIGHT ARROW	R6-1R	36	12	3.00	--	--	--	--	--	--	2	--	--	
10-24	287+60	LT	ROUNDABOUT CHEVRON	R6-4B	60	24	10.00	--	--	--	--	--	--	--	--	--	ON SAME POSTS AS 10-23
10-25	288+30	LT	NORTH 69 ROUNDABOUT EXIT	D1-1	42	30	8.75	--	--	--	--	--	--	--	--	1	
10-26	289+60	RT	NORTH 69	J4-1	24	36	6.00	--	--	--	--	1	--	--	--	--	
10-27	289+60	RT	WRONG WAY	R5-1A	42	30	8.75	--	--	--	--	--	--	--	--	--	ON SAME POST AS 10-26
10-28	288+30	LT	YIELD	R1-2	36	31	3.88	--	--	--	--	--	--	--	--	1	
10-29	288+25	LT	YIELD	R1-2	36	31	3.88	--	--	--	--	--	--	--	--	1	
10-30	287+65	LT	ONE WAY, RIGHT ARROW	R6-1R	36	12	3.00	--	--	--	--	--	--	2	--	--	
10-31	287+65	LT	ROUNDABOUT CHEVRON	R6-4B	60	24	10.00	--	--	--	--	--	--	--	--	--	ON SAME POSTS AS 10-30
10-32	106+50"PB"	LT	COUNTY PB ROUNDABOUT EXIT	D1-1	36	18	4.50	--	--	--	--	--	--	--	1	--	CTH PB
10-33	105+45"PB"	LT	WRONG WAY	R5-1A	42	30	8.75	--	--	--	--	1	--	--	--	--	CTH PB
10-34	105+45"PB"	LT	COUNTY PB	M1-5A	24	24	4.00	--	--	--	--	--	--	--	--	--	CTH PB; ON SAME POST AS 10-33
10-35	103+65"PB"	LT	DO NOT ENTER	R5-1	30	30	--	--	6.25	--	--	1	--	--	--	--	CTH PB
10-36	103+65"PB"	LT	KEEP RIGHT	R4-7	24	30	5.00	--	--	--	--	1	--	--	--	--	CTH PB
10-37	103+65"PB"	LT	OBJECT MARKER	W5-54	18	18	--	--	2.25	--	--	--	--	--	--	--	CTH PB; ON SAME POST AS 10-37
10-38	106+55"PB"	LT	YIELD	R1-2	36	31	3.88	--	--	--	--	--	--	--	--	1	CTH PB
10-39	106+65"PB"	RT	YIELD	R1-2	36	31	3.88	--	--	--	--	--	--	--	--	1	CTH PB
10-40	287+40	LT	ONE WAY, RIGHT ARROW	R6-1R	36	12	3.00	--	--	--	--	--	--	2	--	--	
10-41	287+40	LT	ROUNDABOUT CHEVRON	R6-4B	60	24	10.00	--	--	--	--	--	--	--	--	--	ON SAME POSTS AS 10-40
10-42	286+70	LT	SOUTH 69 ROUNDABOUT EXIT	D1-1	42	30	8.75	--	--	--	--	--	--	--	--	1	
10-43	285+60	LT	SOUTH 69	J4-1	24	36	6.00	--	--	--	--	1	--	--	--	--	
10-44	285+60	LT	WRONG WAY	R5-1A	42	30	8.75	--	--	--	--	--	--	--	--	--	ON SAME POST AS 10-43
10-45	283+70	LT	SPEED LIMIT 55 M.P.H	R2-1	24	30	5.00	--	--	--	--	1	--	--	--	--	
10-46	283+70	LT	DO NOT ENTER	R5-1	30	30	6.25	--	--	--	--	--	--	--	--	--	ON SAME POST AS 10-45
10-47	"PB"	RT	NORTH 69 LEFT TURN, SOUTH 69 RIGHT TURN	J2-2	48	57	19.00	--	--	--	--	--	1	--	--	--	CTH PB; APPROX. 550' SOUTH OF ROUNDABOUT
10-48	"PB"	RT	ROUNDABOUT AHEAD	W2-6	36	36	--	--	9.00	--	--	1	--	--	--	--	CTH PB; APPROX. 750' SOUTH OF ROUNDABOUT
10-49	"PB"	RT	20 MPH	W13-1	24	24	--	--	4.00	--	--	--	--	--	--	--	CTH PB; APPROX. 750' SOUTH OF ROUNDABOUT; ON SAME POST AS 10-48
10-50	"PB"	LT	ROUNDABOUT AHEAD	W2-6	36	36	--	--	9.00	--	--	1	--	--	--	--	CTH PB; APPROX. 750' SOUTH OF ROUNDABOUT
10-51	"PB"	LT	20 MPH	W13-1	24	24	--	--	4.00	--	--	--	--	--	--	--	CTH PB; APPROX. 750' SOUTH OF ROUNDABOUT; ON SAME POST AS 10-50
10-52	"PB"	RT	JUNCTION 69	J1-1	24	39	6.50	--	--	--	--	1	--	--	--	--	CTH PB; APPROX. 950' SOUTH OF ROUNDABOUT
10-53	"PB"	LT	DEAD END	W14-1	30	30	--	--	6.25	--	--	1	--	--	--	--	AT THE INTERSECTION OF CTH PB AND PAOLI RD
			SHEET 10 SUBTOTAL				**295.50**	**0.00**	**77.50**	**0**	**0**	**17**	**6**	**8**	**2**	**10**	

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

PERMANENT SIGNS (CONT'D)

SIGN NO.	STATION	OFFSET	SIGN WORDING AND PICTORIALS	CODE	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4X6-IN X 12-FT EACH	634.0614 POSTS WOOD 4X6-IN X 14-FT EACH	634.0616 POSTS WOOD 4X6-IN X 16-FT EACH	634.0618 POSTS WOOD 4X6-IN X 18-FT EACH	634.0808 POSTS TUBULAR STEEL 2X2-INCH X 8-FT EACH	634.0810 POSTS TUBULAR STEEL 2X2-INCH X 10-FT EACH	634.0811 POSTS TUBULAR STEEL 2X2-INCH X 11-FT EACH	REMARKS
11-01	292+40	RT	SPEED LIMIT 55 M.P.H	R2-1	24	30	5.00	--	--	--	--	1	--	--	--	--	
11-02	292+40	RT	DO NOT ENTER	R5-1	30	30	6.25	--	--	--	--	--	--	--	--	--	ON SAME POST AS 11-01
11-03	292+40	LT	KEEP RIGHT	R4-7	24	30	5.00	--	--	--	--	1	--	--	--	--	
11-04	292+40	LT	OBJECT MARKER	W5-54	18	18	--	--	2.25	--	--	--	--	--	--	--	ON SAME POST AS 11-03
11-05	292+00	LT	PAOLI UNINCORPORATED	I2-3-U	54	24	9.00	--	--	--	--	2	--	--	--	--	
11-06	294+00	LT	ROUNDABOUT DIAGRAMATIC	D1-62	102	66	46.75	--	--	--	--	--	2	--	--	--	
11-07	297+50	RT	NO PASSING ZONE	W14-3	48	36	--	--	5.56	--	--	1	--	--	--	--	
11-08	296+00	LT	ROUNDABOUT AHEAD	W2-6	36	36	--	--	9.00	--	--	1	--	--	--	--	
11-09	296+00	LT	20 MPH	W13-1	24	24	--	--	4.00	--	--	--	--	--	--	--	ON SAME POST AS 11-08
11-10	296+00	RT	ROUNDABOUT AHEAD	W2-6	36	36	--	--	9.00	--	--	1	--	--	--	--	
11-11	296+00	RT	20 MPH	W13-1	24	24	--	--	4.00	--	--	--	--	--	--	--	ON SAME POST AS 11-10
11-12	295+95	RT	BIKE/PEDESTRIAN CROSSING	W11-15	30	30	--	--	6.25	--	--	1	--	--	--	--	
11-13	295+95	RT	AHEAD	W16-9P	24	12	--	--	2.00	--	--	--	--	--	--	--	ON SAME POST AS 11-12
11-14	300+50	RT	END OF ROAD MARKER	W5-56	18	18	--	2.25	--	1	--	--	--	--	--	--	PAOLI RD CUL-DE-SAC
11-15	300+50	RT	END OF ROAD MARKER	W5-56	18	18	--	2.25	--	1	--	--	--	--	--	--	PAOLI RD CUL-DE-SAC
11-16	300+50	RT	END OF ROAD MARKER	W5-56	18	18	--	2.25	--	1	--	--	--	--	--	--	PAOLI RD CUL-DE-SAC
11-17	300+50	RT	NO MOTOR VEHICLES	W5-3	24	24	4.00	--	--	1	--	--	--	--	--	--	PAOLI RD CUL-DE-SAC
11-18	296+00	LT	JUNCTION COUNTY PB	J1-1	24	39	6.50	--	--	--	--	1	--	--	--	--	
11-19	303+00	LT	NO PASSING ZONE	W14-3	48	36	--	--	5.56	--	--	1	--	--	--	--	
11-20	303+65	RT	BIKE/PEDESTRIAN CROSSING	W11-15	30	30	--	--	6.25	--	--	1	--	--	--	--	
11-21	303+65	RT	LEFT DIAGONAL ARROW	W16-9P	24	12	--	--	2.00	--	--	--	--	--	--	--	ON SAME POST AS 11-20
11-22	303+85	LT	STOP	R1-1	18	18	1.86	--	--	1	--	--	--	--	--	--	PAOLI RD BIKE CONNECTION WEST
11-23	303+85	RT	STOP	R1-1	18	18	1.86	--	--	1	--	--	--	--	--	--	PAOLI RD BIKE CONNECTION EAST
11-24	304+05	LT	BIKE/PEDESTRIAN CROSSING	W11-15	30	30	--	--	6.25	--	--	1	--	--	--	--	
11-25	304+05	LT	LEFT DIAGONAL ARROW	W16-9P	24	12	--	--	2.00	--	--	--	--	--	--	--	ON SAME POST AS 11-24
11-26	311+55	LT	BIKE/PEDESTRIAN CROSSING	W11-15	30	30	--	--	6.25	--	--	1	--	--	--	--	
11-27	311+55	LT	AHEAD	W16-9P	24	12	--	--	2.00	--	--	--	--	--	--	--	ON SAME POST AS 11-26
11-28	308+50	LT	END OF ROAD MARKER	W5-56	18	18	--	2.25	--	--	--	1	--	--	--	--	PAOLI RD CUL-DE-SAC
11-29	308+50	LT	END OF ROAD MARKER	W5-56	18	18	--	2.25	--	1	--	--	--	--	--	--	PAOLI RD CUL-DE-SAC
11-30	308+50	LT	END OF ROAD MARKER	W5-56	18	18	--	2.25	--	1	--	--	--	--	--	--	PAOLI RD CUL-DE-SAC
11-31	308+50	RT	NO MOTOR VEHICLES	W5-3	24	24	4.00	--	--	1	--	--	--	--	--	--	PAOLI RD CUL-DE-SAC
11-32	307+10	RT	ADOPT-A-HIGHWAY HEADER	I55-56	30	18	3.75	--	--	1	--	--	--	--	--	--	
11-33	307+10	RT	AAH SPONSOR THE BRUCE CO OF WISCONSIN INC	I55-56P	30	18	3.75	--	--	1	--	--	--	--	--	--	ON SAME POST AS 11-32
11-34	317+50	LT	DEAD END	W14-1	30	30	--	--	6.25	--	--	1	--	--	--	--	AT THE INTERSECTION OF PAOLI RD AND HIMSEL RD
11-35	49+40"HM"	RT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	HIMSEL RD
			SHEET 11 SUBTOTAL				**102.90**	**13.50**	**78.62**	**11**	**0**	**16**	**2**	**0**	**0**	**0**	
12-01	49+40"SC"	RT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	
			SHEET 12 SUBTOTAL				**5.18**	**0.00**	**0.00**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	
14-01	385+10	RT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	COUNTY PARK DRIVEWAY
14-02	393+95	LT	ADOPT-A-HIGHWAY HEADER	I55-56	30	18	3.75	--	--	--	--	1	--	--	--	--	
14-03	393+95	LT	AAH SPONSOR THE BRUCE CO OF WISCONSIN INC	I55-56P	30	18	3.75	--	--	--	--	1	--	--	--	--	ON SAME POST AS 14-02
14-04	394+00	RT	ADOPT-A-HIGHWAY HEADER	I55-56	30	18	3.75	--	--	--	--	1	--	--	--	--	
14-05	394+00	RT	AAH SPONSOR VERONA AQUATIC CLUB	I55-56P	30	18	3.75	--	--	--	--	1	--	--	--	--	ON SAME POST AS 14-04
14-06	51+65"SU"	RT	SPEED LIMIT 45 M.P.H.	R2-1	24	30	5.00	--	--	--	--	1	--	--	--	--	SUNSET DR
14-07	50+55"SU"	LT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	SUNSET DR
14-08	50+80"LD"	LT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	LOCUST DR
14-09	411+00	RT	NO PASSING ZONE	W14-3	48	36	--	--	5.56	--	--	1	--	--	--	--	
			SHEET 14 SUBTOTAL				**35.54**	**0.00**	**5.56**	**0**	**0**	**9**	**0**	**0**	**0**	**0**	
15-01	49+40"RS"	RT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	RIVERSIDE RD
15-02	50+95"M"	RT	DEAD END	W14-1	30	30	--	--	6.25	--	--	1	--	--	--	--	MANHATTAN DR
15-03	50+45"M"	LT	STOP	R1-1	30	30	5.18	--	--	--	--	1	--	--	--	--	MANHATTAN DR
			SHEET 15 SUBTOTAL				**10.36**	**0.00**	**6.25**	**0**	**0**	**3**	**0**	**0**	**0**	**0**	
16-01	449+35	RT	NO PASSING ZONE	W14-3	48	36	--	--	5.56	--	--	1	--	--	--	--	
16-02	455+00	LT	SCHOOL BUS STOP AHEAD	S3-1	36	36	--	--	9.00	--	--	1	--	--	--	--	
16-03	460+40	RT	DIVIDED HIGHWAY BEGINS	W6-1	36	36	--	--	9.00	--	--	1	--	--	--	--	
16-04	461+30	LT	NO PASSING ZONE	W14-3	48	36	--	--	5.56	--	--	1	--	--	--	--	
			SHEET 16 SUBTOTAL				**0.00**	**0.00**	**29.12**	**0**	**0**	**4**	**0**	**0**	**0**	**0**	
				TOTAL			**811.50**	**27.00**	**374.85**	**20.00**	**6.00**	**122.00**	**10.00**	**8.00**	**2.00**	**10.00**	

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

REMOVING SIGNS

SIGN NO.	LOCATION	OFFSET	SIGN WORDING & PICTORIALS	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
R01-01	STH 69	LT	JUNCTION COUNTY D	1	1	
R01-02	FEDERAL AVE	LT	STOP	1	1	
R01-03	STH 69	LT	SPEED LIMIT 30	1	1	
R01-04	STH 69	RT	SPEED LIMIT 30	1	1	
R01-05	STH 69	RT	ADOPT-A-HIGHWAY	1	1	
R01-06	STH 69	RT	NORTH 69; VERONA 10, MADISON 20	1	2	
R01-07	STH 69	LT	ROAD CURVES AHEAD	1	1	
R01-08	5TH AVE	LT	STOP	1	1	
R01-09	STH 69	RT	PEDESTRIAN CROSSING; AHEAD	1	--	REMOVE SIGNS ONLY
R01-10	STH 69	RT	PEDESTRIAN CROSSING; LEFT DIAGONAL ARROW	1	1	
R01-11	NORTH SHORE DR	RT	STOP	1	1	
R01-12	NORTH SHORE DR	LT	STOP	1	1	
R01-13	STH 69	LT	PEDESTRIAN CROSSING; LEFT DIAGONAL ARROW	1	1	
R01-14	STH 69	RT	SPEED LIMIT 45	1	1	
R01-15	STH 69	LT	SPEED LIMIT 30	1	1	
R01-16	GREENWAY CROSS CT	LT	STOP	1	1	
R01-17	STH 69	LT	SPEED REDUCTION AHEAD 30 M.P.H.	1	1	
R01-18	STH 69	RT	SPEED LIMIT 45; NO PASSING ZONE	1	1	
R01-19	KARL AVE	RT	STOP	1	1	
R01-20	STH 69	RT	PEDESTRIAN CROSSING; LEFT DIAGONAL ARROW	1	1	
R01-21	STH 69	LT	PEDESTRIAN CROSSING; LEFT DIAGONAL ARROW	1	1	
			SHEET 1 SUBTOTAL	**21**	**21**	
R02-01	STH 69	LT	PEDESTRIAN CROSSING; AHEAD	1	--	REMOVE SIGNS ONLY
R02-02	STH 69	LT	SPEED LIMIT 45	1	1	
R02-03	STH 69	RT	SPEED LIMIT 45	1	1	
R02-04	BOWLAVARD AVE	RT	STOP	1	1	
R02-05	STH 69	LT	SPEED LIMIT 45	1	1	ADDITIONAL SIGNS ON POST TO BE REMOVED BY OTHERS
R02-06	STH 69	LT	BELLEVILLE POPULATION 2,385	1	2	
R02-07	RICHARD ST	RT	STOP	1	1	
R02-08	STH 69	LT	SPEED LIMIT 45; NO PASSING ZONE	1	1	
R02-09	STH 69	RT	SPEED LIMIT 55	1	1	
R02-10	STH 69	RT	ROAD CURVES AHEAD; 50 M.P.H.	1	1	
R02-11	GEHIN RD	RT	STOP	1	1	
R02-12	GEHIN RD	LT	DEAD END	1	1	
R02-13	STH 69	LT	SPEED REDUCTION AHEAD 45 M.P.H.	1	1	
			SHEET 2 SUBTOTAL	**13**	**13**	
R03-01	STH 69	LT	SCHOOL BUS STOP AHEAD	1	1	
R03-02	MOREHEAD RD	LT	STOP	1	1	
R03-03	MOREHEAD RD	RT	SPEED REDUCTION AHEAD 35 M.P.H.	1	1	
R03-04	MOREHEAD RD	RT	ROAD CURVES RIGHT	1	1	
R03-05	MOREHEAD RD	LT	STOP AHEAD	1	1	
R03-06	STH 69	LT	ROAD CURVES AHEAD; 50 M.P.H.	1	1	
			SHEET 3 SUBTOTAL	**6**	**6**	

REMOVING SIGNS (CONT'D)

SIGN NO.	LOCATION	OFFSET	SIGN WORDING & PICTORIALS	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
R04-01	STH 69	RT	NO PASSING ZONE	1	1	
R04-02	STH 69	LT	ADOPT-A-HIGHWAY	1	1	
R04-03	FRENCHTOWN RD	LT	SPEED LIMIT 35	1	1	
R04-04	FRENCHTOWN RD	RT	STOP AHEAD	1	1	
R04-05	FRENCHTOWN RD	RT	STOP	1	1	
R04-06	FRENCHTOWN RD	LT	STOP	1	1	
R04-07	FRENCHTOWN RD	LT	STOP	1	1	
R04-08	FRENCHTOWN RD	RT	SCHOOL BUS STOP AHEAD	1	1	
R04-09	FRENCHTOWN RD	RT	SPEED LIMIT 45	1	1	
R04-10	FRENCHTOWN RD	LT	ROAD SHARP CURVES	1	1	
R04-11	FRENCHTOWN RD	LT	STOP AHEAD	1	1	
R04-12	STH 69	RT	ADOPT-A-HIGHWAY	1	1	
			SHEET 4 SUBTOTAL	**12**	**12**	
R05-01	STH 69	LT	NO PASSING ZONE	1	1	
R05-02	STH 69	RT	JUNCTION COUNTY A	1	1	
R05-03	STH 69	LT	SOUTH 69	1	1	
R05-04	CTH A	RT	STOP	1	1	
R05-05	CTH A	RT	COUNTY A, LEFT ARROW; 69, DOUBLE ARROW	1	1	
R05-06	CTH A	LT	COUNTY A	1	1	ADDITIONAL SIGNS ON POST TO BE REMOVED BY OTHERS
R05-07	STH 69	RT	COUNTY A, LEFT ARROW/UP ARROW	1	1	
R05-08	STH 69	RT	LARGE DOUBLE ARROW	1	1	
R05-09	STH 69	LT	COUNTY A, RIGHT ARROW	1	1	
R05-10	STH 69	RT	ROAD CURVES LEFT	1	1	
R05-11	STH 69	RT	COUNTY A, RIGHT AHEAD ARROW	1	1	
R05-12	STH 69	LT	COUNTY A, RIGHT AHEAD ARROW	1	1	
			SHEET 5 SUBTOTAL	**12**	**12**	
R06-01	STH 69	RT	COUNTY A, RIGHT ARROW	1	1	
R06-02	STH 69	LT	LARGE DOUBLE ARROW	1	1	
R06-03	STH 69	LT	COUNTY A, LEFT ARROW/UP ARROW	1	1	
R06-04	CTH A	RT	COUNTY A	1	1	
R06-05	CTH A	LT	STOP	1	1	
R06-06	CTH A	LT	COUNTY A, LEFT ARROW; 69, DOUBLE ARROW	1	1	
R06-07	STH 69	RT	NORTH 69	1	1	
R06-08	STH 69	LT	ROAD CURVES RIGHT	1	1	
R06-09	STH 69	LT	NO PASSING ZONE	1	1	
R06-10	STH 69	RT	NO PASSING ZONE	1	1	
R06-11	STH 69	LT	JUNCTION COUNTY A	1	1	
R06-12	STH 69	RT	BASCO UNINCORPORATED	1	1	
R06-13	STH 69	LT	ADOPT-A-HIGHWAY	1	1	
R06-14	STH 69	RT	--	--	1	POST, NO SIGN
R06-15	HENRY RD	RT	SPEED LIMIT 25; SLOW CHILDREN	1	1	
			SHEET 6 SUBTOTAL	**14**	**15**	

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REMOVING SIGNS (CONT'D)

SIGN NO.	LOCATION	OFFSET	SIGN WORDING & PICTORIALS	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
R07-01	HENRY RD	RT	STOP	1	1	ADDITIONAL SIGN ON POST TO BE REMOVED BY OTHERS
R07-02	STH 69	RT	ROAD CURVES RIGHT	1	1	
R07-03	STH 69	LT	BASCO UNINCORPORATED	1	1	
R07-04	STH 69	LT	SIDE ROAD	1	1	
R07-05	STH 69	RT	ROAD CURVES LEFT; 45 M.P.H.	1	1	
R07-06	STH 69	LT	ROAD CURVES LEFT	1	1	
R07-07	STH 69	RT	LEFT CHEVRON; RIGHT CHEVRON	1	1	
R07-08	STH 69	RT	LEFT CHEVRON; RIGHT CHEVRON	1	1	
R07-09	STH 69	RT	LEFT CHEVRON; RIGHT CHEVRON	1	1	
R07-10	STH 69	RT	LEFT CHEVRON; RIGHT CHEVRON	1	1	
			SHEET 7 SUBTOTAL	**10**	**10**	
R08-01	STH 69	LT	ROAD CURVES RIGHT; 45 M.P.H.	1	1	
R08-02	STH 69	LT	NO PASSING ZONE	1	1	
R08-03	STH 69	RT	JUNCTION COUNTY PB	1	1	
R08-04	STH 69	RT	NO PASSING ZONE	1	1	
R08-05	STH 69	RT	ROAD CURVES LEFT	1	1	
R08-06	STH 69	RT	COUNTY PB, RIGHT DIAGONAL ARROW	1	1	
R08-07	STH 69	RT	DOUBLE DIAGONAL ARROWS	1	1	
R08-08	DIANE AVE	RT	SPEED LIMIT 35	1	1	
R08-09	STH 69	LT	LARGE DOUBLE ARROW	1	1	
R08-10	DIANE AVE	LT	STOP	1	1	
R08-11	DIANE AVE	LT	KEEP RIGHT	1	1	
R08-12	DIANE AVE	LT	STOP	1	1	
R08-13	DIANE AVE	LT	69, DOUBLE ARROW	1	1	
R08-14	DIANE AVE	RT	COUNTY PB	1	1	
R08-15	STH 69	RT	STOP AHEAD	1	1	
R08-16	STH 69	RT	PAOLI UNINCORPORATED	1	1	
R08-17	DIANE AVE	RT	STOP AHEAD	1	1	
R08-18	DIANE AVE	LT	STOP	1	1	ON DRIVEWAY
R08-19	DIANE AVE	LT	JUNCTION 69	1	1	
R08-20	DIANE AVE	LT	STOP AHEAD	1	1	
			SHEET 8 SUBTOTAL	**20**	**20**	

REMOVING SIGNS (CONT'D)

SIGN NO.	LOCATION	OFFSET	SIGN WORDING & PICTORIALS	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
R09-01	STH 69	LT	ROAD CURVES RIGHT	1	1	
R09-02	STH 69	RT	STOP; ALL WAY	1	1	
R09-03	STH 69	RT	COUNTY PB, DOUBLE ARROW	1	1	
R09-04	CTH PB	RT	SPEED LIMIT 25	1	1	
R09-05	CTH PB	RT	COUNTY PB	1	1	
R09-06	CTH PB	RT	STOP	1	1	
R09-07	CTH PB	LT	STOP AHEAD	1	1	
R09-08	CTH PB	LT	69, DOUBLE ARROW	1	1	
R09-09	CTH PB	LT	STOP; ALL WAY	1	1	
R09-10	STH 69	LT	COUNTY PB, DOUBLE ARROW	1	1	
R09-11	STH 69	LT	STOP; ALL WAY	1	1	
R09-12	STH 69	RT	NORTH 69	1	1	
R09-13	CTH PB	LT	ROAD CURVES AHEAD; 30 M.P.H.	1	1	
R09-14	CTH PB	LT	COUNTY PB	1	1	
R09-15	CTH PB	LT	BRIDGE HASH MARKS	1	1	
R09-16	CTH PB	RT	BRIDGE HASH MARKS	1	1	
R09-17	CTH PB	LT	STOP AHEAD	1	1	
R09-18	CTH PB	RT	STOP AHEAD	1	1	
R09-19	CTH PB	RT	JUNCTION 69	1	1	
R09-20	CTH PB	LT	BRIDGE HASH MARKS	1	1	
R09-21	CTH PB	RT	BRIDGE HASH MARKS	1	1	
R09-22	CTH PB	LT	STOP; ALL WAY	1	1	
R09-23	CTH PB	RT	STOP; ALL WAY	1	1	
			SHEET 9 SUBTOTAL	**23**	**23**	
R10-01	STH 69	RT	NO PASSING ZONE	1	1	
R10-02	STH 69	LT	PAOLI UNINCORPORATED	1	1	
R10-03	STH 69	LT	JUNCTION COUNTY PB	1	1	
R10-04	PAOLI RD	RT	STOP AHEAD	1	1	
R10-05	STH 69	LT	STOP AHEAD	1	1	
R10-06	STH 69	LT	NO PASSING ZONE	1	1	
R10-07	PAOLI RD	LT	STOP	1	1	
R10-08	STH 69	RT	ROAD CURVES RIGHT	1	1	
R10-09	PAOLI RD	RT	STOP	1	1	ADDITIONAL SIGN ON POST TO BE REMOVED BY OTHERS
R10-10	STH 69	RT	ADOPT-A-HIGHWAY	1	1	
R10-11	PAOLI RD	LT	ROAD CURVES AHEAD; 35 M.P.H.	1	1	
R10-12	PAOLI RD	RT	STOP AHEAD	1	1	
R10-13	HIMSEL RD	LT	STOP	1	1	ADDITIONAL SIGN ON POST TO BE REMOVED BY OTHERS
			SHEET 10 SUBTOTAL	**13**	**13**	

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NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

REMOVING SIGNS (CONT'D)

SIGN NO.	LOCATION	OFFSET	SIGN WORDING & PICTORIALS	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
R11-01	STH 69	RT	SIDE ROAD	1	1	
R11-02	STH 69	LT	ROAD CURVES LEFT	1	1	
R11-03	SCHALLER RD	RT	STOP	1	1	
			SHEET 11 SUBTOTAL	**3**	**3**	
R12-01	STH 69	LT	ROAD CURVES LEFT	1	1	
R12-02	STH 69	RT	ROAD CURVES AHEAD	1	1	
			SHEET 12 SUBTOTAL	**2**	**2**	
R13-01	STH 69	LT	ROAD CURVES AHEAD	1	1	
R13-02	STH 69	LT	NO PASSING ZONE	1	1	
R13-03	STH 69	RT	NO PASSING ZONE	1	1	
R13-04	STH 69	RT	ROAD CURVES AHEAD; 50 M.P.H.	1	1	
R13-05	STH 69	LT	ADOPT-A-HIGHWAY	1	1	
R13-06	STH 69	RT	ADOPT-A-HIGHWAY	1	1	
R13-07	SUNSET DR	RT	SPEED LIMIT 45	1	1	
R13-08	SUNSET DR	LT	STOP	1	1	
R13-09	STH 69	RT	LEFT CHEVRON; RIGHT CHEVRON	1	1	
R13-10	STH 69	RT	LEFT ARROW	1	1	
R13-11	STH 69	RT	LEFT CHEVRON; RIGHT CHEVRON	1	1	
R13-12	LOCUST DR	LT	STOP	1	1	
R13-13	STH 69	RT	LEFT CHEVRON; RIGHT CHEVRON	1	1	
R13-14	STH 69	RT	LEFT CHEVRON; RIGHT CHEVRON	1	1	
R13-15	STH 69	RT	LEFT CHEVRON; RIGHT CHEVRON	1	1	
R13-16	STH 69	RT	LEFT CHEVRON; RIGHT CHEVRON	1	1	
			SHEET 13 SUBTOTAL	**16**	**16**	

REMOVING SIGNS (CONT'D)

SIGN NO.	LOCATION	OFFSET	SIGN WORDING & PICTORIALS	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
R14-01	STH 69	LT	LEFT CHEVRON; RIGHT CHEVRON	1	1	
R14-02	STH 69	LT	LEFT CHEVRON; RIGHT CHEVRON	1	1	
R14-03	STH 69	LT	LEFT CHEVRON; RIGHT CHEVRON	1	1	
R14-04	STH 69	LT	LEFT CHEVRON; RIGHT CHEVRON	1	1	
R14-05	STH 69	LT	STOP	1	1	ON EXISTING OAK GROVE ROAD
R14-06	STH 69	LT	LEFT CHEVRON; RIGHT CHEVRON	1	1	
R14-07	STH 69	LT	LEFT ARROW	1	1	
R14-08	STH 69	LT	LEFT CHEVRON; RIGHT CHEVRON	1	1	
R14-09	STH 69	LT	LEFT CHEVRON; RIGHT CHEVRON	1	1	
R14-10	RIVERSIDE RD	RT	STOP	1	1	
R14-11	STH 69	RT	STOP	1	1	ON DRIVEWAY
R14-12	STH 69	LT	ROAD CURVES AHEAD; 50 M.P.H.	1	1	
R14-13	STH 69	RT	NO PASSING ZONE	1	1	
R14-14	STH 69	LT	NO PASSING ZONE	1	1	
R14-15	MANHATTAN DR	RT	DEAD END	1	1	
R14-16	MANHATTAN DR	LT	STOP	1	1	
			SHEET 14 SUBTOTAL	**16**	**16**	
R15-01	STH 69	LT	BRIDGE HASH MARKS	1	1	
R15-02	STH 69	RT	BRIDGE HASH MARKS	1	1	
R15-03	STH 69	LT	BRIDGE HASH MARKS	1	1	
R15-04	STH 69	RT	BRIDGE HASH MARKS	1	1	
R15-05	STH 69	LT	SCHOOL BUS STOP AHEAD	1	1	
R15-06	STH 69	RT	DIVIDED HIGHWAY BEGINS	1	1	
R15-07	STH 69	LT	NO PASSING ZONE	1	1	
			SHEET 15 SUBTOTAL	**7**	**7**	
			TOTAL	**188**	**189**	

PAVEMENT MARKING ITEMS

STATION	TO	STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH WHITE LF	646.1020 MARKING LINE EPOXY 4-INCH YELLOW LF	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH WHITE LF	646.3020 MARKING LINE EPOXY 8-INCH WHITE LF	646.3040 MARKING LINE GROOVED WET REF EPOXY 8-INCH WHITE LF	646.5020 MARKING ARROW EPOXY TYPE 2, WHITE EACH	646.5120 MARKING WORD EPOXY "ONLY", WHITE EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH WHITE LF	646.6320 MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH YELLOW LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE LF	646.8120 MARKING CURB EPOXY YELLOW LF	646.8220 MARKING ISLAND NOSE EPOXY YELLOW EACH	REMARKS
28+50	-	75+46	BELLEVILLE URBAN REHABILITATION	7,604	9,370	626	206	--	4	--	156	--	--	743	--	--	
75+46	-	140+17	GEHIN RD TO FRENCHTOWN RD	--	10,480	12,506	--	401	4	2	--	--	--	--	--	--	
140+17	-	184+96	FRENCHTOWN RD TO CTH A EAST	--	3,553	8,825	--	852	6	3	--	--	--	--	--	--	
184+96	-	214+75	CTH A EAST TO HENRY RD	--	1,828	5,915	--	200	2	1	--	--	--	--	--	--	
214+75	-	279+00	HENRY RD TO DIANE AVE	189	7,606	12,421	--	352	2	1	--	--	--	--	--	--	
279+00	-	319+31	DIANE AVE TO HIMSEL RD	--	9,050	7,364	119	--	--	--	--	18	236	168	191	2	
319+31	-	387+77	HIMSEL RD TO SUNSET DR	220	7,515	13,365	--	402	6	3	--	--	--	--	--	--	
387+77	-	458+00	SUNSET DR TO PINE ROW	108	8,013	13,531	--	902	6	3	--	--	--	--	--	--	
45+30"AW"	-	54+00"AE"	CTH A (WEST AND EAST)	1,436	1,620	--	--	--	--	--	65	--	--	--	--	--	
50+00"DN"	-	53+96"DN"	DIANE AVE	655	734	--	77	--	--	--	37	--	--	--	--	--	
100+00"PB"	-	110+29"PB"	CTH PB	1,442	2,213	--	145	--	--	--	--	16	68	152	194	4	
50+00"SU"	-	53+08"SU"	SUNSET DR	--	562	--	--	--	--	--	--	--	--	--	--	--	
50+00"LD"	-	57+00"LD"	LOCUST DR	--	1,342	--	--	--	--	--	--	--	--	--	--	--	
47+00"RS"	-	50+00"RS"	RIVERSIDE RD	--	339	--	--	--	--	--	30	--	--	--	--	--	
			SUBTOTAL	11,654	64,225	74,551	547	3,109	30	13	288	34	304	1,063	385	6	
			TOTAL	**75,879**		**74,551**	**547**	**3,109**	**30**	**13**	**288**	**34**	**304**	**1,063**	**385**	**6**	

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

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LOCATING NO PASSING ZONES

648.0100

LOCATING NO PASSING ZONES

STATION	TO	STATION	MI	REMARKS
28+50	-	75+46	0.89	BELLEVILLE URBAN REHABILITATION
75+46	-	140+17	1.23	GEHIN RD TO FRENCHTOWN RD
140+17	-	184+96	0.85	FRENCHTOWN RD TO CTH A EAST
184+96	-	214+75	0.56	CTH A EAST TO HENRY RD
214+75	-	279+00	1.22	HENRY RD TO DIANE AVE
279+00	-	319+31	0.76	DIANE AVE TO HIMSEL RD
319+31	-	387+77	1.30	HIMSEL RD TO SUNSET DR
387+77	-	458+00	1.33	SUNSET DR TO PINE ROW
		TOTAL	**8.14**	

SAWING PAVEMENT ITEMS

690.0150 690.0250

STATION	TO	STATION	LOCATION	SAWING ASPHALT LF	SAWING CONCRETE LF	REMARKS
		28+50	BEGIN PROJECT LIMIT	27	--	
31+32	-	32+43	FEDERAL AVE	33.5	17	ASPHALT FOR SIDEROAD LIMITS; CONCRETE FOR C&G & SIDEWWALK AT CURB RAMPS
36+90	-	38+05	5TH AVE	30.5	17	ASPHALT FOR SIDEROAD LIMITS; CONCRETE FOR C&G & SIDEWWALK AT CURB RAMPS
41+24	-	42+26	N SHORE DR	92	11	ASPHALT FOR SIDEROAD LIMITS; CONCRETE FOR SIDEWWALK AT CURB RAMPS
46+35	-	47+68	GREENWAY CROSS CT	33.5	26	ASPHALT FOR SIDEROAD LIMITS; CONCRETE FOR C&G & SIDEWWALK AT CURB RAMPS
52+28	-	52+54	KARL AVE	37	8	ASPHALT FOR SIDEROAD LIMITS; CONCRETE FOR SIDEWWALK AT CURB RAMPS
62+68	-	64+12	BOWLAVARD AVE	34	25	ASPHALT FOR SIDEROAD LIMITS; CONCRETE FOR C&G & SIDEWWALK AT CURB RAMPS
70+69	-	72+05	RICHARD ST	33.5	18	ASPHALT FOR SIDEROAD LIMITS; CONCRETE FOR C&G & SIDEWWALK AT CURB RAMPS
		75+46	BEGIN RECONSTRUCTION LIMIT	--	24	
		458+00	END PROJECT LIMIT	--	26	
		46+94"GE"	GEHIN RD LIMIT	14	--	
			MOREHEAD RD CUL-DE-SAC LIMIT	20	--	
		35+50"FR"	FRENCHTOWN RD (WEST) LIMIT	18	--	
		54+82"FR"	FRENCHTOWN RD (EAST) LIMIT	19	--	
		45+30"AW"	CTH A (WEST) LIMIT	22	--	
		54+00"AE"	CTH A (EAST) LIMIT	20	--	
		52+50"HE"	HENRY RD LIMIT	19	--	
		52+86"OS"	OLD STH 69 (SOUTH) LIMIT	25	--	
		100+00"ON"	OLD STH 69 (NORTH) LIMIT	25	--	
		53+96"DN"	DIANE AVE (LIMIT)	33	--	
		100+00"PB"	CTH PB (SOUTH) LIMIT	32	--	
		110+29"PB"	CTH PB (NORTH) LIMIT	69	--	
			PAOLI RD CUL-DE-SAC (WEST) LIMIT	18	--	
			PAOLI RD CUL-DE-SAC (EAST) LIMIT	19	--	
		46+42"HM"	HIMSEL RD LIMIT	18	--	
		44+11"SC"	SCHALLER RD LIMIT	20	--	
		53+08"SU"	SUNSET DR LIMIT	24	--	
		57+00"LD"	LOCUST DR LIMIT	16	--	
		47+00"RS"	RIVERSIDE RD LIMIT	21	--	
		52+87"M"	MANHATTAN DR LIMIT	20	--	
			TOTAL	**793**	**172**	

CONSTRUCTION STAKING

STATION	TO	STATION	LOCATION	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB, GUTTER, AND CURB & GUTTER LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	650.6500 CONSTRUCTION STAKING STRUCTURE LAYOUT LS	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL PROJECT 1693-05-72 LS	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	REMARKS
28+50	-	75+46	BELLEVILLE URBAN REHABILITATION	--	--	--	150	--	--	4,696	17	--	--	
75+46	-	140+17	GEHIN RD TO FRENCHTOWN RD	--	6,471	6,471	903	8	--	--	--	--	6,471	
140+17	-	184+96	FRENCHTOWN RD TO CTH A EAST	--	4,479	4,479	299	7	--	--	--	--	4,479	
184+96	-	214+75	CTH A EAST TO HENRY RD	--	2,979	2,979	445	4	1	--	--	--	2,979	
214+75	-	279+00	HENRY RD TO DIANE AVE	--	6,425	6,425	542	12	--	--	--	--	6,425	
279+00	-	319+31	DIANE AVE TO HIMSEL RD	22	4,031	4,031	3,265	9	--	--	16	--	4,031	
319+31	-	387+77	HIMSEL RD TO SUNSET DR	--	6,846	6,846	1,098	10	--	--	--	--	6,846	
387+77	-	458+00	SUNSET DR TO PINE ROW	--	7,023	7,023	1,371	15	1	--	--	--	7,023	
46+94"GE"	-	50+00"GE"	GEHIN RD	--	306	306	--	1	--	--	--	--	306	
46+66"LL"	-	50+00"LL"	LITTLE LAKES RD	--	334	334	--	1	--	--	--	--	334	
			MOREHEAD RD CUL-DE-SAC	--	140	140	--	--	--	--	--	--	140	
35+50"FR"	-	54+82"FR"	FRENCHTOWN RD	--	1,932	1,932	--	10	--	--	--	--	1,932	
45+30"AW"	-	54+00"AE"	CTH A (WEST AND EAST)	--	870	870	--	2	--	--	--	--	870	
50+00"HE"	-	52+50"HE"	HENRY RD	--	250	250	--	--	--	--	--	--	250	
50+00"OS"	-	103+72"ON"	OLD STH 69	--	657	657	--	3	--	1,863	--	--	657	
50+00"DN"	-	53+96"DN"	DIANE AVE	--	396	396	--	8	--	--	--	--	396	
100+00"PB"	-	110+29"PB"	CTH PB	--	1,029	1,029	1,525	1	1	--	--	--	1,029	
			PAOLI RD CUL-DE-SACS	--	290	290	--	--	--	--	--	--	290	
46+42"HM"	-	50+00"HM"	HIMSEL RD	--	358	358	--	1	--	--	--	--	358	
44+11"SC"	-	50+00"SC"	SCHALLER RD	--	589	589	--	1	--	--	--	--	589	
50+00"SU"	-	53+08"SU"	SUNSET DR	--	308	500	--	3	--	--	--	--	500	
50+00"LD"	-	57+00"LD"	LOCUST DR	--	700	372	--	2	--	--	--	--	372	
47+00"RS"	-	50+00"RS"	RIVERSIDE RD	--	300	300	--	--	--	--	--	--	300	
50+00"M"	-	52+87"M"	MANHATTAN DR	--	287	287	--	2	--	--	--	--	287	
			TOTAL	**22**	**47,000**	**46,864**	**9,598**	**100**	**3**	**6,559**	**33**	**1**	**46,864**	

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

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TRAFFIC CONTROL

		643.0420		643.0705		643.0900		643.0910	643.0920	643.1000	643.1050	
		TRAFFIC CONTROL BARRICADES TYPE III		TRAFFIC CONTROL WARNING LIGHTS TYPE A		TRAFFIC CONTROL SIGNS*		TRAFFIC CONTROL COVERING SIGNS TYPE I	TRAFFIC CONTROL COVERING SIGNS TYPE II	TRAFFIC CONTROL SIGNS FIXED MESSAGE	TRAFFIC CONTROL PCMS	
	APPROXIMATE SERVICE DAYS	NO. IN SERVICE	DAYS	NO. IN SERVICE	DAYS	NO. IN SERVICE	DAYS	EACH	EACH	SF	NO. IN SERVICE	DAYS
PRE-WARNING												
STAGE 1	7	--	--	--	--	--	--		--	--	2	14
STAGE 2	7	--	--	--	--	--	--		--	--	4	28
									PRE-WARNING SUBTOTAL		**6**	**42**
STAGE 1												
DETAIL "A"	130	3	390	6	780	25	3,250	--	2	--	--	--
DETAIL "B"	130	9	1,170	18	2,340	19	2,470	--	--	--	--	--
DETAIL "C"	130	6	780	3	390	50	6,500	10	8	71	--	--
DETAIL "D"	130	--	--	--	--	15	1,950	--	--	--	--	--
DETAIL "E"	130	--	--	--	--	12	1,560	--	--	--	--	--
DETAIL "F"	130	--	--	--	--	80	10,400	--	--	52	--	--
DETAIL "G"	130	--	--	--	--	41	5,330	--	--	--	--	--
DETAIL "H"	130	--	--	--	--	6	780	--	--	--	--	--
DETAIL "I"	130	--	--	--	--	12	1,560	--	--	--	--	--
DETAIL "J"	130	--	--	--	--	6	780	--	--	--	--	--
DETAIL "K"	130	--	--	--	--	20	2,600	--	4	14	--	--
DETAIL "L"	130	1	130	2	260	8	1,040	--	5	14	--	--
DETAIL "M"	130	2	260	4	520	7	910	--	--	--	--	--
DETAIL "N"	130	2	260	4	520	30	3,900	3	5	--	--	--
SIDE ROADS	130	21	2,730	42	5,460	24	3,120	--	--	--	--	--
STAGE 1 SUBTOTAL		**44**	**5,720**	**79**	**10,270**	**355**	**46,150**	**13**	**24**	**150**		
STAGE 2												
DETAIL "A"	115	3	345	6	690	20	2,300	--	2	--	--	--
DETAIL "B"	115	2	230	4	460	9	1,035	--	--	--	--	--
DETAIL "C"	115	2	230	4	460	42	4,830	12	11	--	--	--
DETAIL "D"	115	--	--	--	--	15	1,725	--	--	--	--	--
DETAIL "E"	115	--	--	--	--	12	1,380	--	--	--	--	--
DETAIL "F"	115	--	--	--	--	80	9,200	--	--	--	--	--
DETAIL "G"	115	--	--	--	--	41	4,715	--	--	--	--	--
DETAIL "H"	115	--	--	--	--	6	690	--	--	--	--	--
DETAIL "I"	115	--	--	--	--	12	1,380	--	--	--	--	--
DETAIL "J"	115	--	--	--	--	6	690	--	4	--	--	--
DETAIL "K"	115	1	115	2	230	20	2,300	--	5	--	--	--
DETAIL "L"	115	--	--	--	--	9	1,035	--	--	--	--	--
SIDE ROADS	115	36	4,140	72	8,280	48	5,520	--	--	--	--	--
TRAILS	10	4	40	8	80	20	200	--	--	8		
STAGE 2 SUBTOTAL		**48**	**5,100**	**96**	**10,200**	**340**	**37,000**	**12**	**22**	**8**		
TOTAL		**92**	**10,820**	**175**	**20,470**	**695**	**83,150**	**25**	**46**	**158**	**6**	**42**

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

NOTE: ALL CORVERING SIGNS ITEMS INCLUDE ONE COVER/UNCOVER CYCLE PER SIGN

RECTANGULAR RAPID FLASHING BEACON

			654.0101	657.0100	657.0425	658.0500	SPV.0060.23	SPV.0060.24
			CONCRETE BASES TYPE 1	PEDESTAL BASES	TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT	PEDESTRIAN PUSH BUTTONS	RECTANGULAR RAPID FLASHING BEACON (RRFB) SYSTEM - STA 51+90 LT	RECTANGULAR RAPID FLASHING BEACON (RRFB) SYSTEM - STA 52+00 RT
STATION	OFFSET	LOCATION	EACH	EACH	EACH	EACH	EACH	EACH
51+90	24' LT	RRFB-1	1	1	1	1	1	--
52+00	24' RT	RRFB-2	1	1	1	1	--	1
	TOTAL		**2**	**2**	**2**	**2**	**1**	**1**

MOVING SIGNS

				638.2102 MOVING SIGNS TYPE II	638.0300 REMOVING SMALL SIGN SUPPORTS*	638.4000 MOVING SMALL SIGN SUPPORTS	
SIGN NO.	LOCATION	OFFSET	SIGN WORDING & PICTORIALS	EACH	EACH	EACH	REMARKS
M05-01	FRENCHTOWN RD	RT	FOUR (4) TRAIL SIGNS	1	--	1	
M05-02	FRENCHTOWN RD	LT	STOP	1	--	1	
M06-01	STH 69	RT	TRAIL USER RESTRICTION SIGN	1	1	--	INSTALL BEHIND SIGN 06-12. 5'-9" MOUNTING HEIGHT
M07-01	CTH A EAST	RT	FOUR (4) TRAIL SIGNS	1	--	1	
M07-02	CTH A EAST	LT	FOUR (4) TRAIL SIGNS	1	--	1	
			TOTAL	**5**	**1**	**4**	

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

FINISHING ITEMS

STATION	TO	STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0171 SEEDING MIXTURE NO. 70A LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL	REMARKS
28+50	-	75+46	BELLEVILLE URBAN REHABILITATION	1540	1	41	0	--	17	
75+46	-	140+17	GEHIN RD TO FRENCHTOWN RD	57460	36	1450	13	--	650	
140+17	-	184+96	FRENCHTOWN RD TO CTH A EAST	39570	25	1070	--	--	440	
184+96	-	214+75	CTH A EAST TO HENRY RD	22890	14	620	--	--	260	
214+75	-	274+90	HENRY RD TO DIANE AVE	57690	36	1560	--	--	650	
274+90	-	319+31	DIANE AVE TO HIMSEL RD	39610	25	1060	1	--	440	
319+31	-	387+77	HIMSEL RD TO SUNSET DR	71960	45	1940	--	--	810	
387+77	-	458+00	SUNSET DR TO PINE ROW	64990	41	1760	--	--	730	
46+94"GE"	-	50"GE"+00	GEHIN RD	600	1	16	--	--	7	
46+66"LL"	-	50"LL"+00	LITTLE LAKES RD	850	1	23	--	--	10	
			MOREHEAD RD CUL-DE-SAC	2000	1	54	--	--	23	
35+50"FR"	-	54"FR"+82	FRENCHTOWN RD	7920	5	210	--	--	89	
45+30"AW"	-	54"AE"+00	CTH A (WEST AND EAST)	6560	4	180	--	--	74	
50+00"HE"	-	52"HE"+50	HENRY RD	420	1	11	--	--	5	
50+00"OS"	-	103"ON"+72	OLD STH 69	6190	4	170	--	--	70	
50+00"DN"	-	53"DN"+96	DIANE AVE	790	1	21	--	--	9	
100+00"PB"	-	110"PB"+29	CTH PB	6260	4	170	--	--	70	
			PAOLI RD CUL-DE-SACS	2990	2	81	--	--	34	
46+42"HM"	-	50"HM"+00	HIMSEL RD	1780	1	48	--	--	20	
44+11"SC"	-	50"SC"+00	SCHALLER RD	1980	1	53	--	--	22	
50+00"SU"	-	53"SU"+08	SUNSET DR	1090	1	30	--	--	12	
50+00"LD"	-	57"LD"+00	LOCUST DR	2980	2	80	--	--	33	
47+00"RS"	-	50"RS"+00	RIVERSIDE RD	1210	1	33	--	--	14	
50+00"M"	-	52"M"+87	MANHATTAN DR	780	1	21	--	--	9	
			UNDISTRIBUTED	100028	64	2676	4	2706	1125	
			TOTAL	**500,138**	**318**	**13,378**	**18**	**2,706**	**5,623**	

TEMPORARY PEDESTRIAN ACCOMMODATIONS

Location	APPROXIMATE SERVICE DAYS	644.1410 TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	644.1601 TEMPORARY PEDESTRIAN CURB RAMP NO. IN SERVICE	644.1601 DAYS	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF	643.0300 TRAFFIC CONTROL DRUMS NO. IN SERVICE	643.0300 DAYS	643.0410 TRAFFIC CONTROL BARRICADES TYPE II NO. IN SERVICE	643.0410 DAYS	643.0900 TRAFFIC CONTROL SIGNS* NO. IN SERVICE	643.0900 DAYS	SPV.0090.06 TEMPROARY MARKING LINE REMOVABLE TAPE 6-INCH LF	REMARKS
FEDERAL AVE	5	190	2	10	--	--	--	4	20	2	10	160	
5TH AVE	5	171	2	10	--	--	--	4	20	2	10	155	
N SHORE DR	5	250	2	10	--	--	--	4	20	2	10	102	
GREENWAY CROSS CT	5	471	2	10	--	--	--	8	40	4	20	58	
KARL AVE	5	488	2	10	35	10	50	10	50	5	25	60	
BOWLAVARD AVE	5	451	2	10	--	--	--	8	40	4	20	60	
TOTAL		**2,021**		**60**	**35**		**50**		**190**		**95**	**595**	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

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EROSION CONTROL ITEMS

STATION	TO	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SITL FENCE MAITENANCE LF	627.0200 MULCHING SY	628.2004 EROSION MAT CLASS I TYPE B SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C	628.7504 TEMPORARY DITCH CHECKS LF	628.7515.S STONE OR ROCK DITCH CHECK CY	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH	REMARKS
28+50	-	75+46	BELLEVILLE URBAN REHABILITATION	574	1148	--	--	1536	--	7	5	--	--	21	--	
75+46	-	140+17	GEHIN RD TO FRENCHTOWN RD	4975	9950	47617	9287	556	--	--	--	700	90	27	36	
140+17	-	184+96	FRENCHTOWN RD TO CTH A EAST	2154	4308	32225	5492	498	1357	--	--	360	75	15	--	
184+96	-	214+75	CTH A EAST TO HENRY RD	2119	4238	19223	1844	--	1822	--	--	250	--	12	--	
214+75	-	279+00	HENRY RD TO DIANE AVE	1128	2256	45624	8648	--	3417	--	--	670	30	30	--	
279+00	-	319+31	DIANE AVE TO HIMSEL RD	2712	5424	33065	4893	--	1647		--	360	30	27	--	
319+31	-	387+77	HIMSEL RD TO SUNSET DR	2974	5948	54534	14602	--	2825	--	--	760	15	48	--	
387+77	-	458+00	SUNSET DR TO PINE ROW	1792	3584	50513	11132	--	3342	--	--	680	60	36	--	
46+94"GE"	-	50"GE"+00	GEHIN RD	37	74	363	238	--	--	--	--	--	--	3	--	
46+66"LL"	-	50"LL"+00	LITTLE LAKES RD	410	820	697	149	--	--	--	--	--	--	3	--	
			MOREHEAD RD CUL-DE-SAC	200	400	2003	--	--	--	--	--	--	--	--	--	
35+50"FR"	-	54"FR"+82	FRENCHTOWN RD	594	1188	6375	1543	--	--	--	--	50	--	30	--	
45+30"AW"	-	54"AE"+00	CTH A (WEST AND EAST)	--	--	5505	687	--	371	--	--	20	15	6	--	
50+00"HE"	-	52"HE"+50	HENRY RD	--	--	265	150	--	--	--	--	--	--	--	--	
50+00"OS"	-	103"ON"+72	OLD STH 69	239	478	4713	355	--	1126	--	--	--	--	3	--	
50+00"DN"	-	53"DN"+96	DIANE AVE	--	--	245	545	--	--	--	--	--	--	27	--	
100+00"PB"	-	110"PB"+29	CTH PB	878	1756	5125	733	405	--		--	--	--	--	--	
			PAOLI RD CUL-DE-SACS	--	--	2336	329	--	327	--	--	--	--	3	--	
46+42"HM"	-	50"HM"+00	HIMSEL RD	--	--	1412	368	--	--	--	--	--	--	3	--	
44+11"SC"	-	50"SC"+00	SCHALLER RD	--	--	1330	338	--	307	--	--	20	--	6	--	
50+00"SU"	-	53"SU"+08	SUNSET DR	--	--	883	167	--	45	--	--	--	--	12	--	
50+00"LD"	-	57"LD"+00	LOCUST DR	--	--	2231	743	--	--	--	--	--	--	15	--	
47+00"RS"	-	50"RS"+00	RIVERSIDE RD	--	--	812	398	--	--	--	--	10	--	--	--	
50+00"M"	-	52"M"+87	MANHATTAN DR	--	--	449	326	--	--	--	--	--	--	9	--	
			UNDISTRIBUTED	5197	10394	79386	15742	749	4147	--	--	970		--	--	
			TOTAL	**25,983**	**51,966**	**396,931**	**78,709**	**3,744**	**20,733**	**7**	**5**	**4,850**	**315**	**336**	**36**	

LANDMARK REFERENCE MONUMENT ITEMS

STATION	OFFSET	LOCATION	621.0100 LANDMARK REFERENCE MONUMENTS EACH	SPV.0060.21 VERIFY LANDMARK REFERENCE MONUMENTS EACH	REMARKS
52+50	1.06'	RT	1	1	
79+08	0.37'	RT	1	1	
140+30	306.22'	RT	1	1	
304+58	21.26'	RT	1	1	
343+59	72.28'	LT	1	1	
369+11	155.16'	RT	1	1	
369+35	55.08'	LT	1	1	
395+84	15.03'	RT	1	1	
			8	**8**	

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

LIGHTING

STATION		STATION	OFFSET	LOCATION	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH EACH	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	653.0164 PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH	654.0105 CONCRETE BASES TYPE 5 EACH	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30 LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF	656.0200 ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0322 POLES TYPE 5-ALUMINUM EACH	657.0610 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT EACH	657.0715 LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 15-FT EACH	659.1115 LUMINAIRES UTILITY LED A EACH	659.2130 LIGHTING CONTROL CABINETS 120/240 30-INCH EACH	REMARKS
212'EB'+01		--	23' LT	LB1	--	--	--	1	--	110	--	--	1	1	1	--	1	--	
210'EB'+75		--	23' LT	LB2	--	--	--	1	--	110	--	--	1	1	1	--	1	--	
209'EB'+53		--	21' LT	LB3	--	--	--	1	--	110	--	--	1	1	1	--	1	--	
208'EB+29		--	42' LT	LB4	--	--	--	1	--	135	--	--	1	1	--	1	1	--	
207'EB'+56		--	81' LT	LB5	--	--	--	1	--	135	--	--	1	1	--	1	1	--	
103'NB'+54		--	22' RT	LB6	--	--	--	1	--	110	--	--	1	1	1	--	1	--	
104'NB'+80		--	22' RT	LB7	--	--	--	1	--	110	--	--	1	1	1	--	1	--	
106'NB'+06		--	32' RT	LB8	--	--	--	1	--	135	--	--	1	1	--	1	1	--	
206'EB'+10		--	39' LT	LB9	--	--	--	1	--	135	--	--	1	1	--	1	1	--	
202'EB'+90		--	36' RT	LB10	--	--	--	1	--	110	--	--	1	1	1	--	1	--	
204'EB'+16		--	40' RT	LB11	--	--	--	1	--	110	--	--	1	1	1	--	1	--	
205'EB'+41		--	51' RT	LB12	--	--	--	1	--	135	--	--	1	1	--	1	1	--	
108'NB'+16		--	42' RT	LB13	--	--	--	1	--	135	--	--	1	1	--	1	1	--	
109'NB'+84		--	19' LT	LB14	--	--	--	1	--	110	--	--	1	1	1	--	1	--	
108'NB'+84		--	40' LT	LB15	--	--	--	1	--	135	--	--	1	1	--	1	1	--	
207'EB'+89		--	66' RT	LB16	--	--	--	1	--	135	--	--	1	1	--	1	1	--	
108'NB'+81		--	56' LT	CABINET	--	--	--	--	1	--	--	1	--	--	--	--	--	1	
208'EB'+19		--	43' LT	PB1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	
106'NB'+15		--	62' LT	PB2	--	--	1	--	--	--	--	--	--	--	--	--	--	--	
106'NB'+14		--	33' RT	PB3	--	--	1	--	--	--	--	--	--	--	--	--	--	--	
205'EB'+73		--	35' LT	PB4	--	--	1	--	--	--	--	--	--	--	--	--	--	--	
205'EB'+51		--	55' RT	PB5	--	--	1	--	--	--	--	--	--	--	--	--	--	--	
108'NB'+52		--	37' RT	PB6	--	--	1	--	--	--	--	--	--	--	--	--	--	--	
108'NB'+77		--	43' LT	PB7	--	--	1	--	--	--	--	--	--	--	--	--	--	--	
108'NB'+72		--	45' LT	PB8	--	--	1	--	--	--	--	--	--	--	--	--	--	--	
208'EB'+10		--	51' RT	PB9	--	--	1	--	--	--	--	--	--	--	--	--	--	--	
208'EB'+19	-	106'NB'+15	--	PB1-PB2	--	125	--	--	--	--	--	--	--	--	--	--	--	--	
106'NB'+15	-	106'NB'+14	--	PB2-PB3	--	100	--	--	--	--	--	--	--	--	--	--	--	--	
106'NB'+14	-	205'EB'+73	--	PB3-PB4	--	135	--	--	--	--	--	--	--	--	--	--	--	--	
205'EB'+73		205'EB'+51	--	PB4-PB5	--	100	--	--	--	--	--	--	--	--	--	--	--	--	
205'EB'+51		108'NB'+52	--	PB5-PB6	--	105	--	--	--	--	--	--	--	--	--	--	--	--	
108'NB'+52		108'NB'+77	--	PB6-PB7	--	90	--	--	--	--	--	--	--	--	--	--	--	--	
108'NB'+77		108'NB'+81	--	PB7-CABINET	--	30	--	--	--	--	--	--	--	--	--	--	--	--	
108'NB'+81	-	108'NB'+72	--	CABINET-PB8	--	30	--	--	--	--	--	--	--	--	--	--	--	--	
108'NB'+72	-	208'EB'+10	--	PB8-PB9	--	100	--	--	--	--	--	--	--	--	--	--	--	--	
208'EB'+10	-	208'EB'+19	--	PB9-PB1	--	100	--	--	--	--	--	--	--	--	--	--	--	--	
212'EB'+01	-	210'EB'+75	--	LB1-LB2	130	--	--	--	--	--	--	--	--	--	--	--	--	--	
210'EB'+75	-	209'EB'+53	--	LB2-LB3	130	--	--	--	--	--	--	--	--	--	--	--	--	--	
209'EB'+53	-	208'EB+29	--	LB3-LB4	135	--	--	--	--	--	--	--	--	--	--	--	--	--	
208'EB+29	-	208'EB'+19	--	LB4-PB1	15	--	--	--	--	--	--	--	--	--	--	--	--	--	
106'NB'+15	-	207'EB'+56	--	PB2-LB5	40	--	--	--	--	--	--	--	--	--	--	--	--	--	
103'NB'+54	-	104'NB'+80	--	LB6-LB7	135	--	--	--	--	--	--	--	--	--	--	--	--	--	
104'NB'+80		106'NB'+06	--	LB7-LB8	135	--	--	--	--	--	--	--	--	--	--	--	--	--	
106'NB'+06		106'NB'+14	--	LB8-PB3	10	--	--	--	--	--	--	--	--	--	--	--	--	--	
205'EB'+73		206'EB'+10	--	PB4-LB9	40	--	--	--	--	--	--	--	--	--	--	--	--	--	
202'EB'+90		204'EB'+16	--	LB10-LB11	135	--	--	--	--	--	--	--	--	--	--	--	--	--	
204'EB'+16		205'EB'+41	--	LB11-LB12	125	--	--	--	--	--	--	--	--	--	--	--	--	--	
205'EB'+41		205'EB'+51	--	LB12-PB5	10	--	--	--	--	--	--	--	--	--	--	--	--	--	
108'NB'+52		108'NB'+16	--	PB6-LB13	40	--	--	--	--	--	--	--	--	--	--	--	--	--	
109'NB'+84		108'NB'+84	--	LB14-LB15	105	--	--	--	--	--	--	--	--	--	--	--	--	--	
108'NB'+84		108'NB'+77	--	LB15-PB7	10	--	--	--	--	--	--	--	--	--	--	--	--	--	
108'NB'+72		207'EB'+89	--	PB8-LB16	65	--	--	--	--	--	--	--	--	--	--	--	--	--	
PROJECT		--	--	GROUND	--	--	--	--	--	--	2175	--	--	--	--	--	--	--	
CIRCUIT A		--	--	--	--	--	--	--	--	--	610	--	--	--	--	--	--	--	
CIRCUIT B		--	--	--	--	--	--	--	--	--	1250	--	--	--	--	--	--	--	
CIRCUIT C		--	--	--	--	--	--	--	--	--	1770	--	--	--	--	--	--	--	
CIRCUIT D		--	--	--	--	--	--	--	--	--	1570	--	--	--	--	--	--	--	
				TOTAL	1,260	915	9	16	1	1,960	7,375	1	16	16	8	8	16	1	

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET

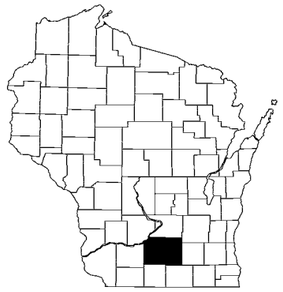
1693-05-22

NEW GLARUS - VERONA

CTH D TO VALLEY ROAD

STH 69

DANE COUNTY



CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
NATIONAL GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT

SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (3/4" REBAR UNLESS NOTED)
VALVE (GAS, WATER, ETC.)
SIGN
OFF-PREMISE SIGN

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS CONTROLLED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)

PARCEL NUMBER 25
UTILITY NUMBER 40
PARALLEL OFFSETS
TLE POINT TLE100
R/W BOUNDARY PONT PRW100
BRIDGE

CONVENTIONAL ABBREVIATIONS

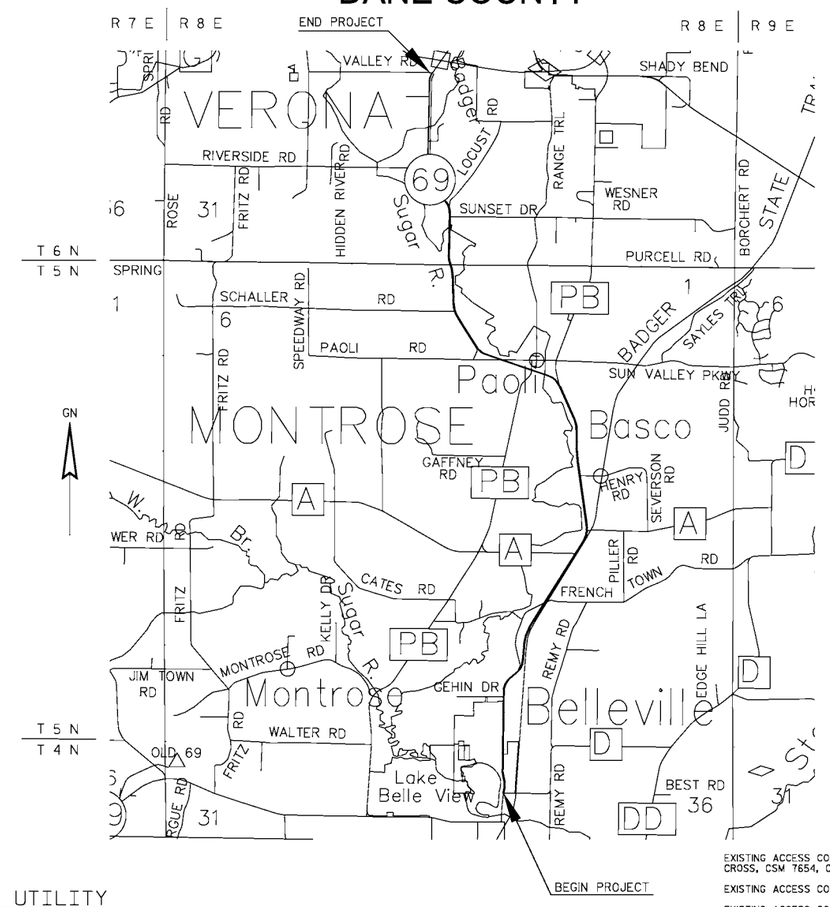
ACCESS RIGHTS	AR	POINT OF CURVATURE	PC
ACRES	AC	POINT OF COMPOUND CURVE	PCC
AHEAD	AH	POINT OF INTERSECTION	PI
ALUMINUM	ALUM	PROPERTY LINE	PL
AND OTHERS	ET AL	REBAR	RBR.
BACK	BK	RECORDED AS	(100')
BLOCK	BLK	REFERENCE LINE	R/L
CENTERLINE	C/L	REMAINING	REM
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CHISELED X	CHIS X	RIGHT OF WAY	R/W
CONCRETE	CONC	SECTION	SEC
COUNTY	CO	SEPTIC VENT	SEPV
COUNTY TRUNK HIGHWAY	CTH	SQUARE FEET	SF
DISTANCE	DIST	STATE TRUNK HIGHWAY	STH
CORNER	COR	STATION	STA
DOCUMENT NUMBER	DOC	SUBDIVISION	SUBD
EASEMENT	EASE	TANGENT	TAN
EXISTING	EX	TELEPHONE PEDESTAL	TP
GAS VALVE	GV	TEMPORARY LIMITED EASEMENT	TLE
GRID NORTH	GN	TRANSPORTATION PROJECT PLAT	TPP
HIGHWAY EASEMENT	HE	UNITED STATES HIGHWAY	USH
IDENTIFICATION	ID	VOLUME	V
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		

CURVE DATA

LONG CHORD	LC
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	Δ
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS



LAYOUT
SCALE 0 1 MI.

THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT: 1693-05-22

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSES, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLE'S) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS AND INTERESTS REQUIRED.

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECTS 3798 & 403, 1690-05-21, 1693-02-22, 1693-01-21, 1201-04-21, BELLEVILLE CEMETERY PLAT, GREENWAY CROSS PLAT, BLASER SUBDIVISION NORTH SHORE ADDITION, PLAT OF TOWN OF PAOLI, CSM 1646, CSM 1878, CSM 1946, CSM 2106, CSM 2604, CSM 2906, CSM 3197, CSM 4123, CSM 5463, CSM 5883, CSM 6086, CSM 6436, CSM 7314, CSM 7343, CSM 7654, CSM 8455, CSM 8702, CSM 8926, CSM 9536, CSM 9564, CSM 11265, CSM 12622, CSM 12689, CSM 13386, CSM 13742, PLAT OF SURVEY BY ANTHONY THOUSAND DATED: 3/17/70, PLAT OF SURVEY BY RICHARD TALARCZYK DATED: 12/18/89, PLAT OF SURVEY BY RICHARD TALARCZYK DATED: 4/26/74, PLAT OF SURVEY BY DAVID DIONNE DATED: 11/29/04, PLAT OF SURVEY BY DAVID CHENEY DATED: 8/10/70, PLAT OF SURVEY BY GEORGE WEIR DATED: 5/18/67, PLAT OF SURVEY BY RICHARD TALARCZYK DATED: 7/23/81, PLAT OF SURVEY BY BRUCE BOWDEN DATED 6/23/98, PLAT OF SURVEY BY BRUCE BOWDEN DATED 5/29/13, PLAT OF SURVEY BY BRUCE BOWDEN DATED: 1/25/13, PLAT OF SURVEY BY: ANTHONY LULLOFF DATED: 6/9/1994, PLAT OF SURVEY BY: WAYNE BARSNESS DATED: 11/2/05.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH D ESTABLISHED FROM PREVIOUS PROJECT 1690-05-21, BLASER SUBDIVISION NORTH PARK STREET ADDITION & CSM 8526.

EXISTING HIGHWAY RIGHT-OF-WAY FOR FEDERAL AVENUE ESTABLISHED FROM DEED DOC. 849706, V.591, P.297, PLAT OF SURVEY BY: DAVID CHENEY DATED: 4/13/83, AND PLAT OF SURVEY BY: ANTHONY WALKER DATED: 7/1/14.

EXISTING HIGHWAY RIGHT-OF-WAY FOR 5TH AVENUE ESTABLISHED FROM DEED DOC. 1265282, V.178, P.258, AND PLAT OF SURVEY BY: JOHN KREBS DATED: 6/21/16.

EXISTING HIGHWAY RIGHT-OF-WAY FOR GREENWAY CROSS CT. ESTABLISHED FROM PLAT OF GREENWAY CROSS & CSM 12247.

EXISTING HIGHWAY RIGHT-OF-WAY FOR NORTH SHORE DR. ESTABLISHED FROM BLASER SUBDIVISION NORTH SHORE ADDITION.

EXISTING HIGHWAY RIGHT-OF-WAY FOR KARL AVENUE ESTABLISHED FROM BLASER SUBDIVISION NORTH SHORE ADDITION, CSM 7343, & CSM 8455.

EXISTING HIGHWAY RIGHT-OF-WAY FOR BOWLAVARD AVE. ESTABLISHED FROM CSM 7343, CSM 8455, CSM 8702 & CSM 9536, BLASER SUBDIVISION NORTH SHORE ADDITION.

EXISTING HIGHWAY RIGHT-OF-WAY FOR RICHARD ST. ESTABLISHED FROM CSM 12689 & CSM 11882.

EXISTING HIGHWAY RIGHT-OF-WAY FOR GEHIN DR. ESTABLISHED FROM CSM 1071, PLAT OF SURVEY BY ANTHONY THOUSAND DATED: 3/17/70 & QUARTER SECTION LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR LITTLE LAKES ROAD ESTABLISHED FROM CSM 4021, CSM 12622.

EXISTING HIGHWAY RIGHT-OF-WAY FOR MOREHEAD ROAD ESTABLISHED FROM CSM 686 & EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR FRENCHTOWN ROAD ESTABLISHED FROM EXISTING CENTERLINE, CSM 11265, DAHLEN PLAT OF SURVEY #3148 DATED: 9/3/63

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH A (WEST) ESTABLISHED FROM SECTION LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH A (EAST) ESTABLISHED FROM PREVIOUS PROJECT: 336-20

EXISTING HIGHWAY RIGHT-OF-WAY FOR HENRY ROAD ESTABLISHED FROM CSM 1878, PLAT OF SURVEY BY DAVID JENKINS DATED 7/28/05, & EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR DIANNE AVENUE ESTABLISHED FROM PREVIOUS PROJECTS: 1693-02-22,1215 (S1118 (4)), PLAT OF SURVEY BY DAVID CHENEY DATED 8/10/70, PLAT OF SURVEY BY ROGER SCHNEEBERGER DATED: 9/18/07, PLAT OF SURVEY BY DAN BIRRENKOTT DATED: 2/27/85 & EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH PB. ESTABLISHED FROM TOWN OF PAOLI PLAT, DANE COUNTY PROJECTS: 611-5496 & 1202, PLAT OF SURVEY BY RICHARD TALARCZYK DATED 7/23/81, PLAT OF SURVEY BY GEORGE WEIR DATED: 5/18/67, & EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR PAOLI ROAD ESTABLISHED FROM PLAT OF SURVEY BY BRUCE BOWDEN DATED: 6/23/98, PLAT OF SURVEY BY BRUCE BOWDEN DATED: 1/25/13, & SECTION LINE

EXISTING HIGHWAY RIGHT-OF-WAY FOR HIMSEL ROAD ESTABLISHED FROM CSM 2106 & EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR SCHALLER ROAD ESTABLISHED FROM QUARTER SECTION LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR SUNSET DRIVE ESTABLISHED FROM QUARTER SECTION LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR LOCUST DRIVE ESTABLISHED FROM PREVIOUS PROJECT: 403 AND CSM 2604

EXISTING HIGHWAY RIGHT-OF-WAY FOR RIVERSIDE DRIVE ESTABLISHED FROM CSM 6139 & SECTION LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR MANHATTAN DRIVE ESTABLISHED FROM PREVIOUS PROJECT: 1693-01-21 & CSM 2190.

EXISTING HIGHWAY RIGHT-OF-WAY FOR PINE ROW ESTABLISHED FROM PREVIOUS PROJECT: 1201-04-21 & EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR VALLEY ROAD ESTABLISHED FROM PREVIOUS PROJECT 1201-04-21 & CSM 6436.

EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 18 ESTABLISHED FROM PREVIOUS PROJECT 1201-04-21 & PLAT OF SURVEY BY: WAYNE BARSNESS DATED: 11/2/05.

EXISTING ACCESS CONTROL FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECTS 1690-00-29, 1201-04-21, THE PLAT OF GREENWAY CROSS, CSM 7654, CSM 8702 CSM 9536, CSM 12689, CSM 11882, & CSM 13386.

EXISTING ACCESS CONTROL FOR GREENWAY CROSS CT. ESTABLISHED FROM THE PLAT OF GREENWAY CROSS.

EXISTING ACCESS CONTROL FOR BOWLAVARD AVE. ESTABLISHED FROM THE CSM 7654 CSM 8702, & CSM 9536.

EXISTING ACCESS CONTROL FOR RICHARD ST. ESTABLISHED FROM THE CSM 12689, CSM 11882, & CSM 13386.

EXISTING ACCESS CONTROL FOR CTH PB ESTABLISHED FROM CHAPTER 79 OF DANE COUNTY ORDINANCES.

EXISTING ACCESS CONTROL FOR HIMSEL ROAD ESTABLISHED FROM CSM 2106.

EXISTING ACCESS CONTROL FOR SUNSET DRIVE ESTABLISHED FROM PREVIOUS PROJECT: 1690-00-29.

EXISTING ACCESS CONTROL FOR LOCUST DRIVE ESTABLISHED FROM PREVIOUS PROJECT: 1690-00-29

EXISTING ACCESS CONTROL FOR RIVERSIDE DRIVE ESTABLISHED FROM PREVIOUS PROJECT: 1690-00-29 & CSM 6139.

EXISTING ACCESS CONTROL FOR MANHATTAN DRIVE ESTABLISHED FROM PREVIOUS PROJECTS: 1690-00-29 & 1201-04-21.

EXISTING ACCESS CONTROL FOR USH 18 ESTABLISHED FROM PREVIOUS PROJECT: 1201-04-21.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1693-05-22 -4.01
SHEET 2 OF 2
AMENDMENT NO:

FILE NAME : S:\MAD\1000--1099\1089\418\ACAD\CIVIL3D\RW\040101_RT.DWG
APPRAISAL PLAT DATE : 11/30/18
PLOT DATE : 11/30/18
PLOT BY : BARTELT, HEATHER PLOT NAME :

TRANSPORTATION PROJECT PLAT NO: 1693-05-22 - 4.01

THAT PART OF LOT 1 OF CSM 5883 IN THE SW1/4 OF THE NE1/4, ALSO THAT PART OF LOT 1 OF CSM 4123 IN THE SW1/4 OF THE NE1/4, AND OTHER LANDS IN THE SW1/4 OF THE NE1/4, ALL IN SECTION 34, TOWN 5 NORTH RANGE 8 EAST, VILLAGE OF BELLEVILLE, DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 69 NEW GLARUS - VERONA (CTH D TO VALLEY ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE,

THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5459223
12/11/2018 12:37 PM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1693-05-22-4.01
AMENDMENT NO:
SHEET 1 OF 2

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W AC. OR S.F REQUIRED NEW	EXISTING	TOTAL	TLE AC. OR S.F.
1	VILLAGE OF BELLEVILLE	FEE,TLE	0.009	---	0.009	0.135
2	EILEEN M. VAN ACKER	FEE,TLE	36 S.F.	---	36 S.F.	96 S.F.
3	STANDEX INTERNATIONAL CORPORATION	FEE,TLE	171 S.F.	205 S.F.	376 S.F.	126 S.F.
4	CASEY'S MARKETING COMPANY	FEE,TLE	64 S.F.	---	64 S.F.	60 S.F.

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	ALLIANT ENERGY-ELECTRIC	RELEASE OF RIGHTS
102	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
103	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
104	WE ENERGIES-GAS	RELEASE OF RIGHTS
105	VILLAGE OF BELLEVILLE-WATER	RELEASE OF RIGHTS

ALL AREAS SHOWN ARE IN ACRES UNLESS OTHERWISE NOTED.

CURVE 1
R=1494.04'
L=137.20'
LC=137.15'
LCB=N11° 36' 58"E

CURVE 2
R=540.70'
L=223.50'
LC=221.92'
LCB=N0° 51' 32"E

CURVE 3
R=1320.29'
L=287.66'
LC=287.09'
LCB=N5° 16' 24"W

CURVE 4
R=1247.29'
L=102.79'
LC=102.76'
LCB=S0° 39' 16"E

CURVE 5
R=1247.29'
L=58.90'
LC=58.89'
LCB=S10° 09' 43"E

CURVE 6
R=606.70'
L=250.65'
LC=248.87'
LCB=S1° 17' 21"W

CURVE 7
R=1493.93'
L=58.95'
LC=58.95'
LCB=S13° 59' 43"W

PI STA = 26+18.23
Y = 406085.977
X = 781313.550
DELTA = 7°39'42" RT
D = 3°10'59"
T = 120.53'
L = 240.70'
R = 1800.00'
PC STA = 24+97.70
PT STA = 27+38.40
BK = N5°33'44"E

PI STA = 30+38.56
Y = 406495.510
X = 781409.785
DELTA = 24°32'21" LT
D = 8°40'52"
T = 143.54'
L = 282.67'
R = 660.00'
PC STA = 28+95.02
PT STA = 31+77.69

PI STA = 37+66.35
Y = 407213.475
X = 781266.124
DELTA = 12°24'59" RT
D = 3°57'05"
T = 157.73'
L = 314.23'
R = 1450.00'
PC STA = 36+08.62
PT STA = 39+22.85
AH = N1°06'05"E

FOUND ALUMINUM MONUMENT
Y= 406,048.936
X= 778,592.885

S89°44'03"E 266.60'
1/4 COR TO CENTER 1/4

COMPUTED FROM TIES
Y= 406,036.590
X= 781,254.453

S89°44'03"E 19.11'
CENTER 1/4 TO R/W

VILLAGE OF BELLEVILLE

SE-NW

SUGAR RIVER

N0°51'32"E 954.78'
CTR. OTR. COR. TO PROPOSED R/W

OTR. LINE

CURVE 1
49.87' ALONG TAN.
PI: 26+18.23
N12°55'30"E
PT: 27+38.40
33'
N13° 13' 26"E R
PC: 28+95.02

CURVE 7
N8°44'03"W 35.16' TRAV. TO TANGENT
TANGENT TO R/W
N8°44'03"W 78.42'
S33°53'39"E 49.37'
S15°33'24"W 22.74'
S0°15'57"W 40.74' R/W TO OTR. LINE

N 89° 44' 03" W 2518.42'
1/4 COR TO TRAV.

CTH D/ 3RD STREET
STA. 25+68.51
66'

LOT 2
LOT 3
BLASER SUBDIVISION NORTH PARK STREET ADDITION

PLAT OF SURVEY BY: ANTHONY LULLOFF DATED: 6/9/1994

S12°55'30"W 172.82'
1" RBR.

CURVE 2
PI: 30+38.56
30

CURVE 6

PI: 31+77.69
DETAIL 2
39 S.F.
TLE108
TLE-SLOPES 56 S.F.
S11°54'57"E 67.92' R/W TO R/W

DETAIL 3
TLE-SLOPES 96 S.F.

SW-NE

LOT 1 CSM 4123 DOC. 1784284 V.17, P.184

PLAT OF SURVEY BY: DAVID CHENEY DATED: 4/13/83

PLAT OF SURVEY BY: ANTHONY WALKER DATED: 7/1/14

FEDERAL AVENUE
66'

DETAIL 4
132 S.F.
TLE-SLOPES 70 S.F.

LOT 1 CSM 1646 DOC. 1423665 V.6, P.417

1/16TH LINE

SCALE, FEET
0 50 100

LOT 1 CSM 8926 DOC. 2974649 V.50, P.1

N0°51'32"E 376.53'
PROPOSED R/W TO 1/16TH LINE

N1°03'50"E 20.98'

S89°39'28"E 5.32'
TAN. TO QTR. LINE
S89°59'28"E 40.57'
R/W TO TAN.

S0°51'32"W 1331.31'
NORTH 1/4 COR. TO 1/16TH LINE

LOT 2 CSM 8926 DOC. 2974649 V.50, P.1

SURVEY NAIL

CURVE 3
R = QTR. LINE
STA. 37+92.48
154.34' ALONG TAN.

TLE107
TLE106
1/2" RBR.
147.95'
S78°41'05"W 6.84'
NII°31'00"W 219.30'
TLE110
TLE-SLOPES 0.135 AC.
NII°20'33"W 246.37'
NII° 18' 55"W R
PC: 36+08.62
129.41' ALONG TAN.

TLE100 TLE101 TLE102 TLE103 TLE104 TLE105
TLE109

STH 69/ RIVER ST.

CURVE 4
CURVE 5
S11°31'00"E 165.16'
S11°20'33"E 209.39'
TLE-SLOPES 70 S.F.

S89°35'57"E 27.12'
OTR. LINE TO R/W

S1°03'50"W 4.60'

S5°52'20"E 66.50'
R/W TO R/W

P.L.
5TH AVENUE
66'

LOT 1 CSM 5883 DOC. 2149659 V.28, P.24-25

PLAT OF SURVEY BY: JOHN KREBS DATED: 6/21/16

STA. 39+19.46

1/16TH LINE

SEE SHEET 1693-05-22-4.02

S88°23'28"E 5.21'
S16°42'25"E 24.12'
TLE-SLOPES 60 S.F.

DETAIL 1

FOUND ALUMINUM MONUMENT
Y= 408,698.917
X= 781,294.369

FOUND 1/2" IRON PIN
Y= 406,024.293
X= 783,905.525

POINT #	STATION	OFFSET
102	25+63.80	36.24'
103	26+98.36	31.91'
104	29+17.65	32.23'
105	31+52.35	33.07'
106	34+00.00	33.65'
107	34+00.00	40.49'
110	36+19.00	41.30'
111	38+98.62	40.76'
112	39+19.03	40.57'
115	39+19.79	32.43'
116	39+15.09	32.42'
117	38+10.00	31.29'
118	37+85.92	36.67'
119	37+85.37	41.85'
120	37+16.89	41.59'
121	37+17.47	37.84'
122	36+80.00	31.21'
124	36+19.80	31.70'
125	34+54.39	32.32'
126	32+45.00	32.42'
127	32+24.06	36.38'
128	32+23.21	40.04'
129	31+56.61	41.11'
130	31+50.00	33.03'
131	29+11.80	33.64'
132	27+39.84	34.32'
133	27+41.00	39.47'
134	27+17.84	38.43'
135	26+57.69	35.98'
136	26+21.08	70.26'

POINT #	STATION	OFFSET
TLE100	28+50.00	32.25'
TLE101	28+50.00	40.00'
TLE102	28+95.02	40.00'
TLE103	30+00.00	40.00'
TLE104	31+00.00	40.00'
TLE105	31+77.69	40.00'
TLE106	34+00.00	50.00'
TLE107	34+54.12	50.09'
TLE108	32+50.00	32.42'
TLE109	31+27.11	33.66'
TLE110	34+54.14	40.68'

COURSE	BEARING	DISTANCE
120-121	N88°23'28"W	3.79'
121-122	S2°31'40"W	37.17'
126-127	S22°00'32"E	21.31'
127-128	S88°15'28"E	3.76'
129-130	S39°58'32"W	10.67'
132-133	S89°28'54"E	5.28'

(100) ALLIANT ENERGY-ELECTRIC (WPL ELECTRIC) BLANKET EASEMENT NE 1/4 DOC. 470286 PARCELS 1, 2, 3, & 4

(102) FRONTIER COMMUNICATIONS (GENERAL TELEPHONE CO OF WISCONSIN) 16.5' UTILITY EASEMENT V.119, P.413 DOC. 1245457 PARCEL 1

(102) FRONTIER COMMUNICATIONS (GENERAL TELEPHONE CO OF WISCONSIN) 8' UTILITY EASEMENT VOL.1296, P.2 DOC.1646847 PARCEL 2

(102) FRONTIER COMMUNICATONS (GENERAL TELEPHONE COMPANY OF WISCONSIN) EASE. DOC. 1249282 V.130, P.188 & PARCEL 3

(102) FRONTIER COMMUNICATIONS (GTE NORTH) EASE. DOC. 2672084, V.29723, P.20 & (VERIZON NORTH) EASE. DOC.3325376, NO. VOL/P PARCEL 2

(102) FRONTIER COMMUNICATIONS (VERIZON NORTH) EASE. DOC. 3317877 PARCEL 3

(102) FRONTIER COMMUNICATIONS (GTE NORTH) EASE. DOC. 2672079 V.29723, P.15 PARCEL 3

(102) FRONTIER COMMUNICATIONS PUBLIC UTILITY EASEMENT PER CSM 5883 PARCEL 4

(103) CHARTER COMMUNICATIONS PUBLIC UTILITY EASEMENT PER CSM 5883 PARCEL 4

(104) WE ENERGIES-GAS PUBLIC UTILITY EASEMENT PER CSM 5883 PARCEL 4

(105) VILLAGE OF BELLEVILLE -WATER PUBLIC UTILITY EASEMENT PER CSM 5883 PARCEL 4

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECTS: 3798 & 1690-05-21, CSM 1646, CSM 4123, CSM 5883, CSM 8926 AND PLAT OF SURVEY BY: ANTHONY LULLOFF DATED: 6/9/1994.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH D ESTABLISHED FROM PREVIOUS PROJECT 1690-05-21, BLASER SUBDIVISION NORTH PARK STREET ADDITION & CSM 8526.

EXISTING HIGHWAY RIGHT-OF-WAY FOR FEDERAL AVENUE ESTABLISHED FROM DEED DOC. 849706, V.591, P.297, PLAT OF SURVEY BY: DAVID CHENEY DATED: 4/13/83, AND PLAT OF SURVEY BY: ANTHONY WALKER DATED: 7/1/14.

EXISTING HIGHWAY RIGHT-OF-WAY FOR 5TH AVENUE ESTABLISHED FROM DEED DOC. 1265282, V.178, P.258, AND PLAT OF SURVEY BY: JOHN KREBS DATED: 6/21/16.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 3/4" REBAR UNLESS OTHERWISE NOTED.

SHEET LOCATION

T5N T4N R7E R8E T5N T6N R8E R9E

MONTROSE Prof. VERONA Bosco

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2.

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 11/30/18
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION (SW - MADISON)
SIGNATURE: Cory Schlagel DATE: 12/5/18
PRINT NAME: CORY SCHLAGEL

FILE NAME : S:\MAD\1000--1099\1089\418\ACAD\CIVIL3D\RW\040101_RP-040105_RP.DWG
APPRAISAL PLAT DATE : 11/30/18
PLOT DATE : 11/30/2018 3:38 PM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : **********

TRANSPORTATION PROJECT PLAT NO: 1693-05-22 - 4.02

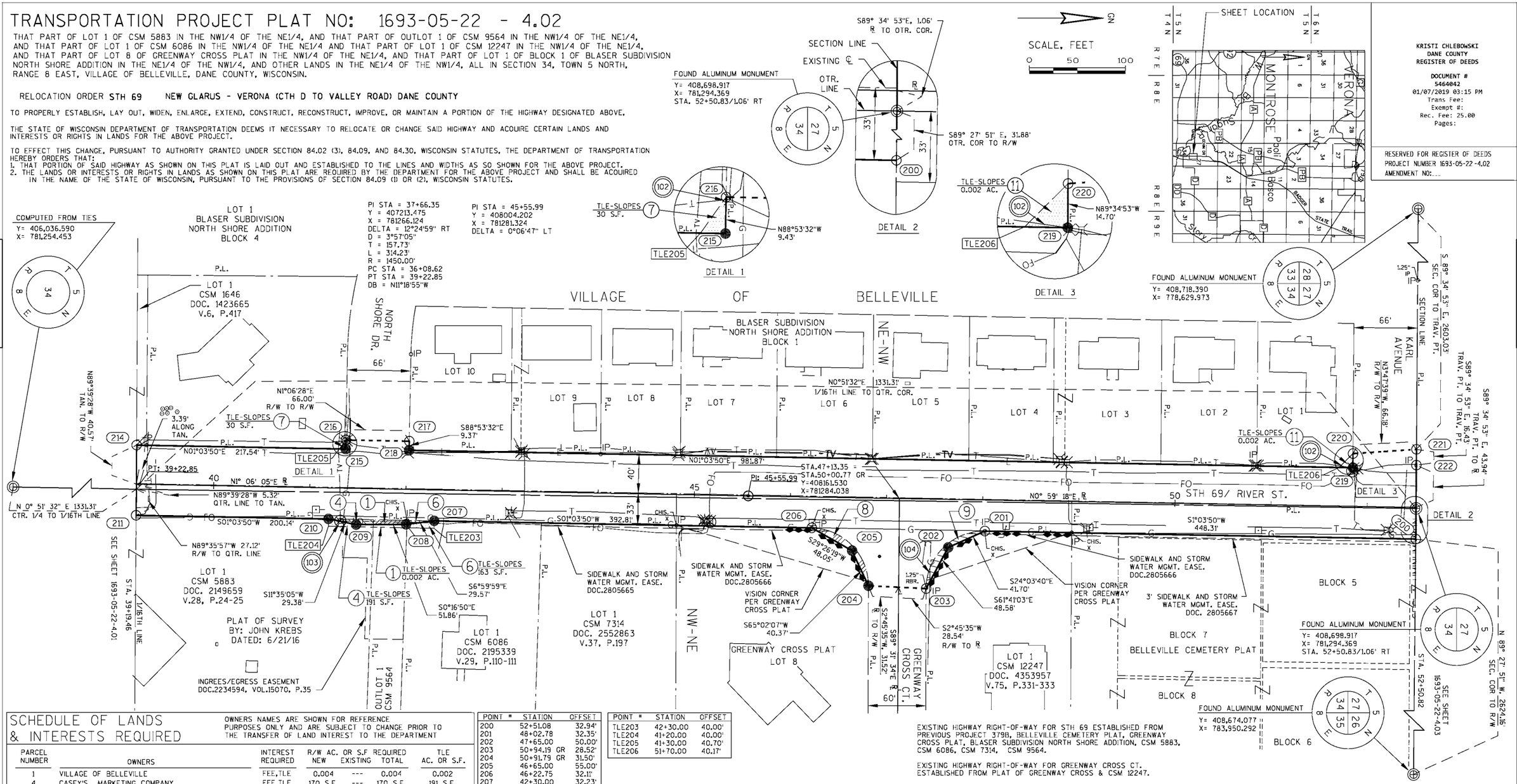
THAT PART OF LOT 1 OF CSM 5883 IN THE NW1/4 OF THE NE1/4, AND THAT PART OF OUTLOT 1 OF CSM 9564 IN THE NW1/4 OF THE NE1/4, AND THAT PART OF LOT 1 OF CSM 6086 IN THE NW1/4 OF THE NE1/4 AND THAT PART OF LOT 1 OF CSM 12247 IN THE NW1/4 OF THE NE1/4, AND THAT PART OF LOT 8 OF GREENWAY CROSS PLAT IN THE NW1/4 OF THE NE1/4, AND THAT PART OF LOT 1 OF BLOCK 1 OF BLASER SUBDIVISION NORTH SHORE ADDITION IN THE NE1/4 OF THE NW1/4, AND OTHER LANDS IN THE NE1/4 OF THE NW1/4, ALL IN SECTION 34, TOWN 5 NORTH, RANGE 8 EAST, VILLAGE OF BELLEVILLE, DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 69 NEW GLARUS - VERONA (CTH D TO VALLEY ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE.

THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5464042
01/07/2019 03:15 PM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1693-05-22-4.02
AMENDMENT NO:___

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W AC. OR S.F REQUIRED NEW	EXISTING	TOTAL	TLE AC. OR S.F.
1	VILLAGE OF BELLEVILLE	FEE,TLE	0.004	---	0.004	0.002
4	CASEY'S MARKETING COMPANY	FEE,TLE	170 S.F.	---	170 S.F.	191 S.F.
6	510 RIVER STREET LLC.	FEE,TLE	57 S.F.	---	57 S.F.	163 S.F.
7	BANK OF NEW GLARUS	TLE	---	---	---	30 SF
8	UNION BANK & TRUST COMPANY	FEE	0.010	---	0.010	---
9	BRADLEY L. & GAIL A. BEAL	FEE	0.010	---	0.010	---
11	STEVEN F. & MARY A. BRUNNER	TLE	---	---	---	0.002

ALL AREAS SHOWN ARE IN ACRES UNLESS OTHERWISE NOTED.

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	ALLIANT ENERGY-ELECTRIC	RELEASE OF RIGHTS
102	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
103	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
104	WE ENERGIES-GAS	RELEASE OF RIGHTS

POINT #	STATION	OFFSET
200	52+51.08	32.94'
201	48+02.78	32.35'
202	47+65.00	50.00'
203	50+94.19 GR	28.52'
204	50+91.79 GR	31.50'
205	46+65.00	55.00'
206	46+22.75	32.11'
207	42+30.00	32.23'
208	42+00.73	36.40'
209	41+48.89	37.65'
210	41+20.00	32.31'
211	39+19.79	32.43'
214	39+19.03	40.57'
215	41+36.46	40.71'
216	41+36.47	50.13'
217	42+02.47	50.12'
218	42+02.46	40.75'
219	51+84.42	40.15'
220	51+84+27	54.85'
221	52+50.22	60.37'
222	52+50.38	43.94'

POINT #	STATION	OFFSET
TLE203	42+30.00	40.00'
TLE204	41+20.00	40.00'
TLE205	41+30.00	40.70'
TLE206	51+70.00	40.17'

(100) ALLIANT ENERGY-ELECTRIC (WPL ELECTRIC) BLANKET EASEMENT NE 1/4 DOC. 470286 PARCELS 4, 5, 6, 8, 9

(102) FRONTIER COMMUNICATIONS (GENERAL TELEPHONE CO OF WISCONSIN) 16.5' UTILITY EASEMENT V.119, P.413 DOC. 1245457 PARCELS 7 & 11

(103) CHARTER COMMUNICATIONS UTILITIY EASEMENT ON CSM 5883 PARCEL 4

(103) CHARTER COMMUNICATIONS UTILITIY EASEMENT ON CSM 9564 PARCEL 5

(103) CHARTER COMMUNICATIONS UTILITIY EASEMENT ON CSM 6086 PARCEL 6

(104) WE ENERGIES-GAS UTILITIY EASEMENT ON GREENWAY CROSS PLAT PARCEL 9

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT 379B, BELLEVILLE CEMETERY PLAT, GREENWAY CROSS PLAT, BLASER SUBDIVISION NORTH SHORE ADDITION, CSM 5883, CSM 6086, CSM 7314, CSM 9564.

EXISTING HIGHWAY RIGHT-OF-WAY FOR GREENWAY CROSS CT. ESTABLISHED FROM PLAT OF GREENWAY CROSS & CSM 12247.

EXISTING HIGHWAY RIGHT-OF-WAY FOR NORTH SHORE DR. ESTABLISHED FROM BLASER SUBDIVISION NORTH SHORE ADDITION.

EXISTING HIGHWAY RIGHT-OF-WAY FOR KARL AVENUE ESTABLISHED FROM BLASER SUBDIVISION NORTH SHORE ADDITION, CSM 7343, & CSM 8455.

EXISTING ACCESS CONTROL FOR STH 69 AND GREENWAY CROSS CT. ESTABLISHED FROM THE PLAT OF GREENWAY CROSS.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 3/4" REBAR UNLESS OTHERWISE NOTED.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5459223.

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 12/12/18
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
<SW - MADISON>
SIGNATURE: Cory Schlagel DATE: 1/7/19
PRINT NAME: CORY SCHLAGEL

FILE NAME : S:\MAD\1000--1099\1089\418\ACAD\CIVIL3D\RW\040101_RP-040105_RP.DWG
APPRAISAL PLAT DATE : 12/12/18
PLOT DATE : 12/12/2018 8:39 AM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : **********
STH 69 1693-05-22-4.02

PI STA = 55+13.17
Y = 408961.239
X = 781297.834
DELTA = 0°00'12" LT

PI STA = 65+65.50
Y = 410013.415
X = 781315.923
DELTA = 0°04'57" RT

(102) FRONTIER COMMUNICATIONS (GENERAL TELEPHONE CO OF WISCONSIN) 16.5' UTILITY EASEMENT V.119, P.413 DOC. 1245457 PARCELS 13, 14, & 16

(102) FRONTIER COMMUNICATIONS (COMMONWEALTH TELEPHONE CO) BLANKET EASEMENT WEST OF 69 E1/2-SW 1/4 V.154, P.122 DOC.645228

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W AC. OR S.F REQUIRED NEW	EXISTING	TOTAL	TLE AC. OR S.F.
13	CAPITOL REAL ESTATE, LLC	TLE	---	---	---	0.003
14	HERITAGE LODGE CONDOMINIUM UNIT OWNER'S ASSOCIATION, INC.	FEE,TLE	0.006	---	0.006	0.007
16	CHRISTEN & CHRISTEN, LLP	FEE,TLE	0.004	---	0.004	0.010

UTILITY INTERESTS REQUIRED

ALL AREAS SHOWN ARE IN ACRES UNLESS OTHERWISE NOTED.

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
102	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5696520
02/19/2021 11:22 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
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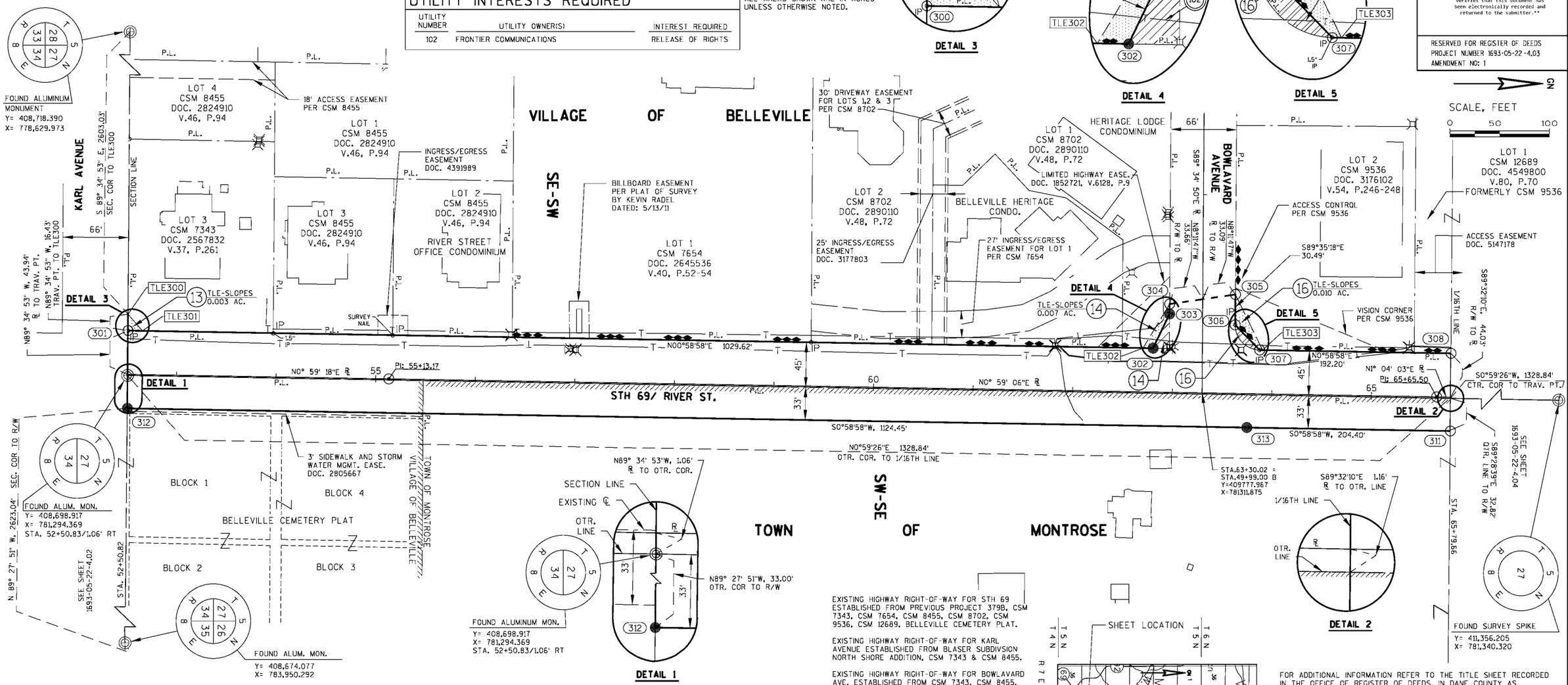
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1693-05-22-4.03
AMENDMENT NO: 1



TRANSPORTATION PROJECT PLAT NO: 1693-05-22 - 4.03 AMENDMENT NO. 1

AMENDS UTILITY NUMBER 102 AND REMOVES UTILITY NUMBERS 103 & 106 OF TRANSPORTATION PROJECT PLAT NO. 1693-05-22-4.03 RECORDED AS DOCUMENT NO. 5464043 AT THE DANE COUNTY REGISTER OF DEEDS.

THAT PART OF LOT 3 OF CSM 7343 IN THE SE1/4 OF THE SW1/4, AND THAT PART OF LOT 1 OF CSM 8702 BEING PART OF THE HERITAGE LODGE CONDOMINIUM IN THE SE1/4 OF THE SW1/4, AND THAT PART OF LOT 2 OF CSM 9536 IN THE SE1/4 OF THE SW1/4 ALL IN SECTION 27, TOWN 5 NORTH, RANGE 8 EAST, VILLAGE OF BELLEVILLE, DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 69 NEW GLARUS - VERONA (CTH D TO VALLEY ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE,

THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

POINT #	STATION	OFFSET
301	52+50.38	43.94'
302	62+80.00	44.00'
303	49+20.00 B	33.28'
304	49+10.00 B	33.28'
305	49+00.00 B	32.72'
306	49+30.49 B	32.72'
307	63+87.06	44.00'
308	65+79.20	44.03'
311	65+79.99	33.97'
312	52+51.09	34.06'
313	63+75.54	34.00'

POINT #	STATION	OFFSET
TLE300	52+50.22	60.37'
TLE301	52+65.00	43.94'
TLE302	62+70.00	44.00'
TLE303	63+90.00	44.00'

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT 379B, CSM 7343, CSM 7654, CSM 8455, CSM 8702, CSM 9536, CSM 12689, BELLEVILLE CEMETERY PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY FOR KARL AVENUE ESTABLISHED FROM BLASER SUBDIVISION NORTH SHORE ADDITION, CSM 7343 & CSM 8455.

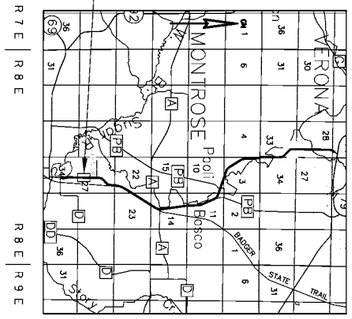
EXISTING HIGHWAY RIGHT-OF-WAY FOR BOWLAVARD AVE. ESTABLISHED FROM CSM 7343, CSM 8455, CSM 8702 & CSM 9536, BLASER SUBDIVISION NORTH SHORE ADDITION.

EXISTING ACCESS CONTROL FOR STH 69 AND BOWLAVARD AVE. ESTABLISHED FROM THE CSM 7654, CSM 8702, & CSM 9536.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 3/4" REBAR UNLESS OTHERWISE NOTED.



FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5459223.

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 2/2/21
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
<SW - MADISON>
SIGNATURE: Cory Schlagel DATE: 2/16/2021
PRINT NAME: CORY SCHLAGEL

FILE NAME : S:\MAD\1000--1099\1089\418\ACAD\CIVIL3D\RW\040101_RP-040105_RP.DWG
APPRAISAL PLAT DATE : 2/2/21
PLOT DATE : 2/2/2021 1:51 PM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : **********
STH 69 1693-05-22-4.03 AMEND. 1

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W AC. OR S.F REQUIRED NEW	EXISTING	TOTAL	TLE AC. OR S.F.
17	J.R.O. ENTERPRISES LLC	FEE	0.010	---	0.010	---
18	DULUTH HOLDINGS, INC.	FEE,TLE	0.004	---	0.004	0.042
19	ROGER F. & SUSAN M. STANDORF	FEE,TLE	0.091	0.248	0.339	0.054
25	1989 TR LLC	FEE,TLE	0.267	0.396	0.663	0.039

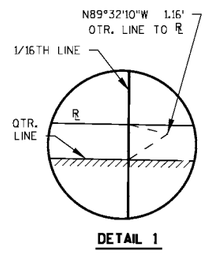
ALL AREAS SHOWN ARE IN ACRES UNLESS OTHERWISE NOTED.

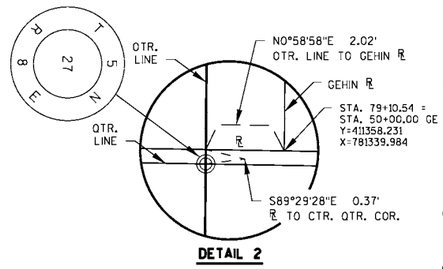
UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	ALLIANT ENERGY-ELECTRIC	RELEASE OF RIGHTS
102	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
103	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
104	WE ENERGIES-GAS	RELEASE OF RIGHTS
107	VILLAGE OF BELLEVILLE-STORM	RELEASE OF RIGHTS

POINT #	STATION	OFFSET
400	79+09.01	60.00'
401	77+00.00	60.00'
402	75+00.00	55.00'
403	74+00.00	33.00'
404	65+79.99	33.97'
407	65+75.20	44.03'
408	70+77.54	44.76'
409	49+10.00 RH	25.33'
410	49+34.09 RH	35.19'
411	71+87.54	39.93'
412	77+07.58	40.00'
413	78+60.00	60.00'
414	48+75.00 GE	26.84'
415	48+00.00 GE	26.88'

POINT #	STATION	OFFSET
TLE400	79+09.07	67.98'
TLE401	77+25.00	65.00'
TLE402	75+00.00	40.00'
TLE403	75+46.47	50.00'
TLE404	77+07.51	50.00'
TLE405	78+55.00	70.00'
TLE406	48+75.00 GE	35.00'





PI STA = 72+46.47
Y = 410694.260
X = 781328.608
DELTA = 0°05'14" LT

PI STA = 75+46.47
Y = 410994.216
X = 781333.740
DELTA = 0°00'09" RT

GN

SCALE, FEET
0 50 100

(102) FRONTIER COMMUNICATIONS (GENERAL TELEPHONE CO OF WISCONSIN) 16.5' UTILITY EASEMENT V.119, P.413 DOC. 1245457 PARCELS 17 & 18

(102) FRONTIER COMMUNICATIONS EASEMENT DOC. 3283954 PARCEL 17

(102) FRONTIER COMMUNICATIONS NO RECORDED EASEMENT PARCEL 19

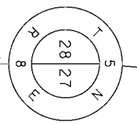
(103) CHARTER COMMUNICATIONS EASEMENT DOC. 3283954 PARCEL 17

(102) FRONTIER COMMUNICATIONS (COMMONWEALTH TELEPHONE CO) BLANKET EASEMENT WEST OF 69 E1/2-SW 1/4 V.154, P.122 DOC.645228

(107) VILLAGE OF BELLEVILLE-STORM STORM MANAGEMENT EASEMENTS ON CSM 11882 PARCEL 18

(104) WE ENERGIES-GAS NO RECORDED EASEMENT PARCEL 19

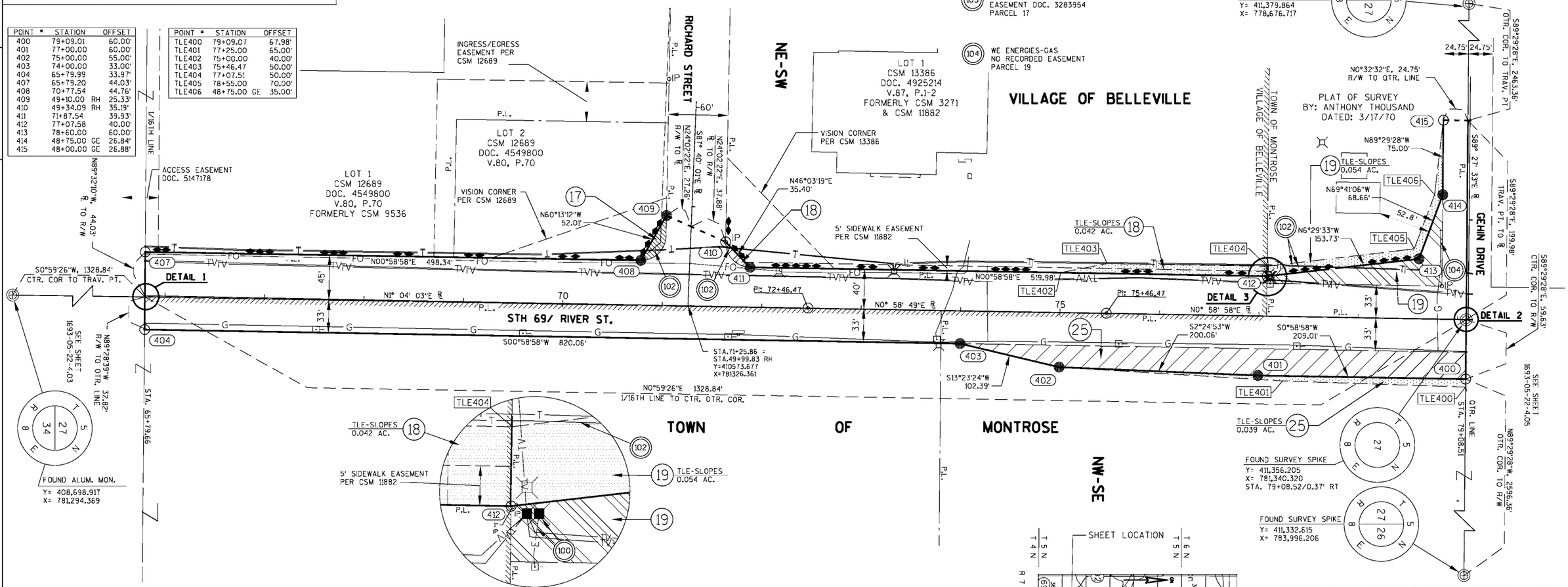
FOUND ALUMINUM MON.
Y= 411,379.864
X= 778,676.717

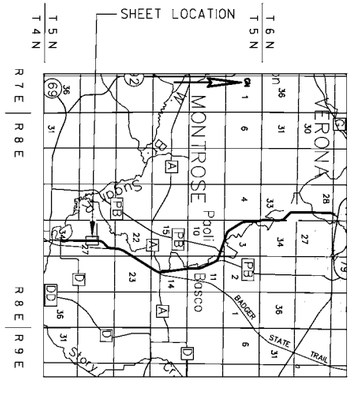


KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5655384
10/29/2020 11:33 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:
The above recording information verifies that this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1693-05-22-4.04
AMENDMENT NO: 1





FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5459223.

TRANSPORTATION PROJECT PLAT NO: 1693-05-22 - 4.04 AMENDMENT NO. 1

DELETES PARCEL 21 AND ADDS PARCEL 25, AMENDS UTILITY 102 AND 103 AND REMOVES UTILITY 106 OF TRANSPORTATION PROJECT PLAT NO. 1693-05-22-4.04 RECORDED AS DOCUMENT NO. 5464047 AT THE DANE COUNTY REGISTER OF DEEDS.

THAT PART OF LOT 2 OF CSM 12689 IN THE NE1/4 OF THE SW1/4, AND THAT PART OF LOT 1 OF CSM 13386 IN THE NE1/4 OF THE SW1/4, IN SECTION 27, TOWN 5 NORTH, RANGE 8 EAST, VILLAGE OF BELLEVILLE, AND THAT PART OF THE NE1/4 OF THE SW1/4 AND THAT PART OF THE NW1/4 OF THE SE1/4 IN SECTION 27, TOWN 5 NORTH, RANGE 8 EAST, TOWN OF MONTROSE, ALL IN DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 69 NEW GLARUS - VERONA (CTH D TO VALLEY ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE,

THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT 379B, CSM 12689, CSM 13386, PLAT OF SURVEY BY ANTHONY THOUSAND DATED 3/17/70.

EXISTING HIGHWAY RIGHT-OF-WAY FOR RICHARD ST. ESTABLISHED FROM CSM 12689 & CSM 11882.

EXISTING HIGHWAY RIGHT-OF-WAY FOR GEHIN DR. ESTABLISHED FROM CSM 1071, PLAT OF SURVEY BY ANTHONY THOUSAND DATED: 3/17/70 & QUARTER SECTION LINE.

EXISTING ACCESS CONTROL FOR STH 69 AND RICHARD ST. ESTABLISHED FROM THE CSM 12689, CSM 11882 & CSM 13386.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 3/4" REBAR UNLESS OTHERWISE NOTED.

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

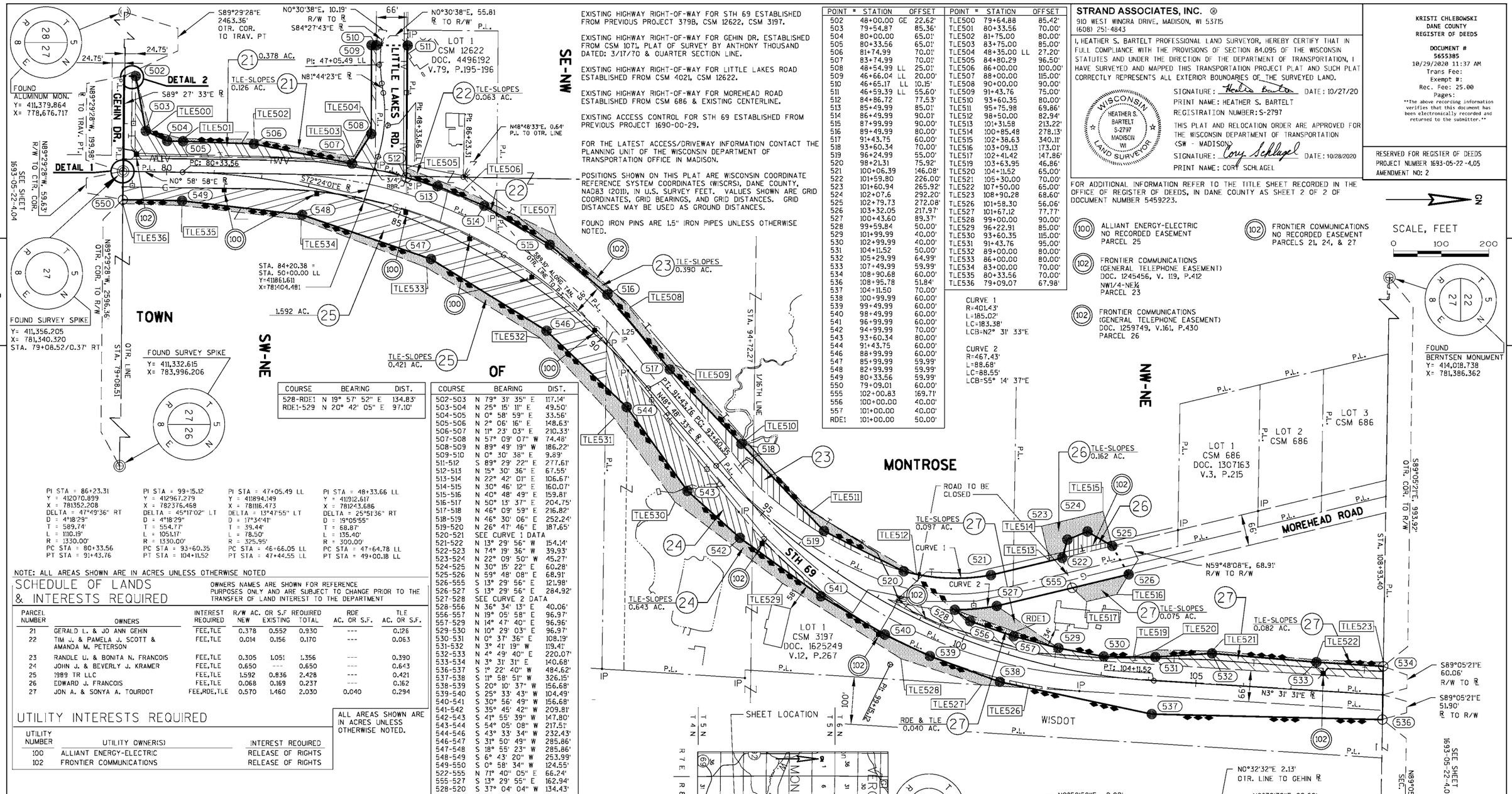
I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 10/21/20
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
(SW - MADISON)
SIGNATURE: Cory Schlagel DATE: 10/28/2020
PRINT NAME: CORY SCHLAGEL

FILE NAME : S:\MAD\1000--1099\1089\418\ACAD\CIVIL3D\RW\040101_RP-040105_RP.DWG
APPRAISAL PLAT DATE : 10/21/20
PLOT DATE : 10/21/2020 11:08 AM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : **********
STH 69 1693-05-22-4.04 AMEND. 1



POINT #	STATION	OFFSET
502	48+00.00 GE	22.62'
503	79+54.87	85.36'
504	80+00.00	65.01'
505	80+33.56	65.01'
506	81+74.99	70.01'
507	83+74.99	70.01'
508	48+54.99 LL	25.01'
509	46+66.04 LL	20.00'
510	46+65.17 LL	10.15'
511	46+59.39 LL	55.60'
512	84+86.72	77.53'
513	85+49.99	85.01'
514	86+49.99	90.01'
515	87+99.99	90.00'
516	89+49.99	80.00'
517	91+43.75	60.00'
518	93+60.34	70.00'
519	96+24.99	55.00'
520	98+21.31	75.92'
521	100+06.39	146.08'
522	101+59.80	226.00'
523	101+60.94	265.92'
524	102+07.6	292.20'
525	102+79.73	272.08'
526	103+32.05	217.97'
527	100+43.60	89.37'
528	99+59.84	50.00'
529	101+99.99	40.00'
530	102+99.99	40.00'
531	104+11.52	50.00'
532	105+29.99	64.99'
533	107+49.99	59.99'
534	108+90.68	60.00'
536	108+95.78	51.84'
537	104+11.50	70.00'
538	100+99.99	60.00'
539	99+49.99	60.00'
540	98+49.99	60.00'
541	96+99.99	60.00'
542	94+99.99	70.00'
543	93+60.34	80.00'
544	91+43.75	60.00'
546	88+99.99	60.00'
547	85+99.99	59.99'
548	82+99.99	59.99'
549	80+33.56	59.99'
550	79+09.01	60.00'
555	102+00.83	169.71'
556	100+00.00	40.00'
557	101+00.00	40.00'
RDE1	101+00.00	50.00'

POINT #	STATION	OFFSET
TLE500	79+64.88	85.42'
TLE501	80+33.56	70.00'
TLE502	81+75.00	80.00'
TLE503	83+75.00	85.00'
TLE504	48+35.00 LL	27.20'
TLE505	84+80.29	96.50'
TLE506	86+00.00	100.00'
TLE507	88+00.00	115.00'
TLE508	90+00.00	90.00'
TLE509	91+43.76	75.00'
TLE510	93+60.35	80.00'
TLE511	95+75.98	69.86'
TLE512	98+50.00	82.94'
TLE513	101+31.58	213.22'
TLE514	100+85.48	278.13'
TLE515	102+38.63	340.11'
TLE516	103+09.13	173.01'
TLE517	102+41.42	147.86'
TLE519	103+63.95	46.86'
TLE520	104+11.52	65.00'
TLE521	105+30.00	70.00'
TLE522	107+50.00	65.00'
TLE523	108+90.28	68.60'
TLE526	101+58.30	56.06'
TLE527	101+67.12	77.77'
TLE528	99+00.00	90.00'
TLE529	96+22.91	85.00'
TLE530	93+60.35	115.00'
TLE531	91+43.76	95.00'
TLE532	89+00.00	80.00'
TLE533	86+00.00	80.00'
TLE534	83+00.00	70.00'
TLE535	80+33.56	70.00'
TLE536	79+09.07	67.98'

CURVE 1
R=401.43'
L=185.02'
LC=183.38'
LCB=N2° 31' 33"E

CURVE 2
R=467.43'
L=88.68'
LC=88.55'
LCB=S5° 14' 37"E

COURSE	BEARING	DIST.
528-RDE1	N 19° 57' 52" E	134.83'
RDE1-529	N 20° 42' 05" E	97.10'

COURSE	BEARING	DIST.
502-503	N 79° 31' 35" E	117.14'
503-504	N 25° 15' 11" E	49.50'
504-505	N 0° 58' 59" E	33.56'
505-506	N 2° 06' 16" E	148.63'
506-507	N 11° 23' 03" E	210.33'
507-508	N 57° 09' 07" W	74.48'
508-509	N 89° 49' 19" W	186.22'
509-510	N 0° 30' 38" E	9.89'
511-512	S 89° 29' 22" E	277.61'
512-513	N 15° 30' 36" E	67.55'
513-514	N 22° 42' 01" E	106.67'
514-515	N 30° 46' 12" E	160.07'
515-516	N 40° 48' 49" E	159.81'
516-517	N 50° 13' 37" E	204.75'
517-518	N 46° 09' 59" E	216.82'
518-519	N 46° 30' 06" E	252.24'
519-520	N 26° 47' 46" E	187.65'
520-521	SEE CURVE 1 DATA	
521-522	N 13° 29' 56" W	154.14'
522-523	N 74° 19' 36" W	39.93'
523-524	N 22° 09' 50" W	45.27'
524-525	N 30° 15' 22" E	60.28'
525-526	N 59° 48' 08" E	68.91'
526-555	S 13° 29' 56" E	121.98'
526-527	S 13° 29' 56" E	284.92'
527-528	SEE CURVE 2 DATA	
528-556	N 36° 34' 13" E	40.06'
556-557	N 19° 05' 58" E	96.97'
557-529	N 14° 47' 40" E	96.96'
529-530	N 10° 29' 03" E	96.97'
530-531	N 0° 37' 36" E	108.19'
531-532	N 3° 41' 19" W	119.41'
532-533	N 4° 49' 40" E	220.07'
533-534	N 3° 31' 31" E	140.68'
536-537	S 1° 22' 40" W	484.62'
537-538	S 11° 58' 51" W	326.15'
538-539	S 20° 10' 37" W	156.68'
539-540	S 25° 33' 43" W	104.49'
540-541	S 30° 56' 49" W	156.68'
541-542	S 35° 45' 42" W	209.81'
542-543	S 41° 55' 39" W	147.80'
543-544	S 54° 05' 08" W	217.51'
544-546	S 43° 33' 34" W	232.43'
546-547	S 31° 50' 49" W	285.86'
547-548	S 18° 55' 23" W	285.86'
548-549	S 6° 43' 20" W	253.99'
549-550	S 0° 58' 34" W	124.55'
522-555	N 71° 40' 05" E	66.24'
555-527	S 13° 29' 55" E	162.94'
528-520	S 37° 04' 04" W	134.43'

PI STA = 86+23.31
Y = 412070.899
X = 781352.208
DELTA = 47°49'36" RT
D = 4°18'29"
T = 589.74'
L = 1110.19'
R = 1330.00'
PC STA = 80+33.56
PT STA = 91+43.76

PI STA = 99+15.12
Y = 412967.279
X = 782376.468
DELTA = 45°17'02" LT
D = 4°18'29"
T = 554.77'
L = 1051.17'
R = 1330.00'
PC STA = 93+60.35
PT STA = 104+11.52

PI STA = 47+05.49 LL
Y = 411894.149
X = 781116.473
DELTA = 13°47'55" LT
D = 17°34'41"
T = 39.44'
L = 78.50'
R = 325.95'
PC STA = 46+66.05 LL
PT STA = 47+44.55 LL

PI STA = 48+33.66 LL
Y = 411912.617
X = 781243.686
DELTA = 25°51'36" RT
D = 19°05'55"
T = 68.87'
L = 135.40'
R = 300.00'
PC STA = 47+64.78 LL
PT STA = 49+00.18 LL

NOTE: ALL AREAS SHOWN ARE IN ACRES UNLESS OTHERWISE NOTED

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W AC. OR S.F REQUIRED NEW	EXISTING	TOTAL	RDE AC. OR S.F.	TLE AC. OR S.F.
21	GERALD L. & JO ANN GEHIN	FEE,TLE	0.378	0.552	0.930	---	0.126
22	TIM J. & PAMELA J. SCOTT & AMANDA M. PETERSON	FEE,TLE	0.014	0.156	0.170	---	0.063
23	RANDLE U. & BONITA N. FRANCOIS	FEE,TLE	0.305	1.051	1.356	---	0.390
24	JOHN J. & BEVERLY J. KRAMER	FEE,TLE	0.650	---	0.650	---	0.643
25	1989 TR LLC	FEE,TLE	1.592	0.836	2.428	---	0.421
26	EDWARD J. FRANCOIS	FEE,TLE	0.068	0.169	0.237	---	0.162
27	JON A. & SONYA A. TOURDOT	FEE,RDE,TLE	0.570	1.460	2.030	0.040	0.294

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	ALLIANT ENERGY-ELECTRIC	RELEASE OF RIGHTS
102	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS

ALL AREAS SHOWN ARE IN ACRES UNLESS OTHERWISE NOTED.

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT 3798, CSM 12622, CSM 3197.

EXISTING HIGHWAY RIGHT-OF-WAY FOR GEHIN DR. ESTABLISHED FROM CSM 1071, PLAT OF SURVEY BY ANTHONY THOUSAND DATED: 3/17/70 & QUARTER SECTION LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR LITTLE LAKES ROAD ESTABLISHED FROM CSM 4021, CSM 12622.

EXISTING HIGHWAY RIGHT-OF-WAY FOR MOREHEAD ROAD ESTABLISHED FROM CSM 686 & EXISTING CENTERLINE.

EXISTING ACCESS CONTROL FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT 1690-00-29.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 1.5" IRON PIPES UNLESS OTHERWISE NOTED.

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910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 10/27/20
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION <SW - MADISON>
SIGNATURE: Cory Schlagel DATE: 10/28/2020
PRINT NAME: CORY SCHLAGEL

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5459223.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS
DOCUMENT # 5655385
10/29/2020 11:37 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:
The above recording information verifies that this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1693-05-22-4.05
AMENDMENT NO: 2

(100) ALLIANT ENERGY-ELECTRIC
NO RECORDED EASEMENT
PARCEL 25

(102) FRONTIER COMMUNICATIONS
(GENERAL TELEPHONE EASEMENT)
DOC. 1245456, V. 119, P.412
NW1/4-NE¼
PARCEL 23

(102) FRONTIER COMMUNICATIONS
(GENERAL TELEPHONE EASEMENT)
DOC. 1259749, V.161, P.430
PARCEL 26

(102) FRONTIER COMMUNICATIONS
NO RECORDED EASEMENT
PARCELS 21, 24, & 27

TRANSPORTATION PROJECT PLAT NO: 1693-05-22 - 4.05 AMENDMENT NO. 2

AMENDS PARCEL 21 AND ADDS PARCEL 25 AND REVISES UTILITY NUMBER 100 AND REMOVES UTILITY NUMBER 104 OF TRANSPORTATION PROJECT PLAT NO. 1693-05-22-4.05 RECORDED AS DOCUMENT NO. 5464050 AT THE DANE COUNTY REGISTER OF DEEDS.

THAT PART OF LOT 1 OF CSM 12622 IN THE SE1/4 OF THE NW1/4 AND THE SW1/4 OF THE NE1/4, AND THAT PART OF LOT 1 OF CSM 3197 IN THE SW1/4 OF THE NE1/4 AND THE NW1/4 OF THE NE1/4, AND THAT PART OF THE SE1/4 OF THE NW1/4, AND THAT PART OF THE SW1/4 OF THE NE1/4 AND THAT PART OF THE NW1/4 OF THE NE1/4, ALL IN SECTION 27, TOWN 5 NORTH, RANGE 8 EAST, TOWN OF MONTROSE, DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 69 NEW GLARUS - VERONA (CTH D TO VALLEY ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE.

THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

COURSE	BEARING	DISTANCE
610-611	N43° 20' 59"E	64.96'
611-612	N30° 06' 34"E	155.08'
612-633	N29° 17' 09"E	173.14'
633-613	N33° 56' 07"E	1.88'
615-616	S33° 56' 07"W	37.76'
616-617	S23° 46' 24"W	237.23'
617-618	N64° 06' 25"E	297.60'
618-619	N30° 51' 15"E	135.26'
622-636	N80° 44' 43"W	90.81'
622-623	N80° 44' 43"W	70.74'
630-631	S01° 22' 40"W	49.17'
618-607	S37° 30' 16"W	147.39'
607-635	S64° 06' 25"W	243.55'
635-617	N23° 46' 24"E	101.97'

POINT #	STATION	OFFSET
600	108+90.68	60.00'
601	109+44.92	60.00'
602	113+00.00	70.00'
603	116+75.00	85.00'
604	120+80.00	90.00'
605	124+04.72	65.00'
606	134+50.00	65.00'
607	135+16.66	78.33'
608	39+50.43 FR	33.19'
609	39+50.43 FR	32.81'
610	41+21.67 FR	23.47'
611	41+90.00 FR	30.00'
612	43+57.68 FR	45.00'
613	45+32.16 FR	34.75'
615	45+74.64 FR	36.92'
616	45+30.53 FR	35.00'
617	42+98.96 FR	47.89'
618	136+63.44	64.99'
619	137+98.65	68.44'
622	54+09.99 FR	30.88'
623	52+48.81 FR	41.93'
624	138+39.23	132.32'
625	137+50.00	60.00'
626	124+04.83	55.00'
627	121+00.00	65.00'
628	117+00.00	50.00'
629	113+00.00	50.00'
630	109+44.92	50.00'
631	108+95.78	51.84'
633	45+30.53 FR	35.00'
635	42+10.54 FR	72.65'
636	53+19.39 FR	37.09'

POINT #	STATION	OFFSET
TLE600	108+90.28	68.60'
TLE601	109+44.92	70.00'
TLE602	113+00.00	85.00'
TLE603	116+75.00	100.00'
TLE604	120+80.00	110.00'
TLE605	124+04.73	75.00'
TLE606	125+00.00	65.00'
TLE607	128+75.00	65.00'
TLE608	130+00.00	85.00'
TLE609	41+96.51 FR	66.68'
TLE610	41+25.00 FR	64.07'
TLE611	40+27.69 FR	53.19'
TLE612	43+40.00 FR	45.88'
TLE613	43+40.57 FR	54.97'
TLE615	44+42.50 FR	38.38'
TLE616	43+59.00 FR	54.19'
TLE617	43+12.99 FR	57.66'
TLE618	136+39.25	79.99'
TLE619	137+89.26	83.64'
TLE620	53+65.00 FR	50.00'
TLE621	52+80.00 FR	55.00'
TLE622	52+00.00 FR	70.00'
TLE623	138+21.24	132.32'

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 1/15/21
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
<SW - MADISON>
SIGNATURE: Cory Schlagel DATE: 2/16/2021
PRINT NAME: CORY SCHLAGEL

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5459223.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5696521
02/19/2021 11:22 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:
The above recording information verifies that this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1693-05-22-4.06
AMENDMENT NO: 1

FOUND BERNTSEN MONUMENT
Y= 414,018.738
X= 781,386.362

FOUND ALUMINUM MONUMENT
Y= 413,976.601
X= 784,036.795

FOUND BROKEN BERNTSEN MONUMENT
Y= 416,637.778
X= 784,015.400
STA. 53+16.04 FR
23.30' RT

FOUND 1" PIPE
Y= 416,666.138
X= 781,357.347

FOUND ALUMINUM MONUMENT
Y= 416,508.815
X= 789,272.646

SCALE, FEET
0 100 200

PI STA = 116+90.63
Y = 414797.688
X = 782489.235
DELTA = 28°47'15" RT
D = 1°58'19"
T = 745.71'
L = 1459.91'
R = 2905.66'
PC STA = 109+44.92
PT STA = 124+04.83

PI STA = 41+99.00 FR
Y = 416319.539
X = 783151.456
DELTA = 37°47'59" LT
D = 11°27'33"
T = 171.19'
L = 329.86'
R = 500.00'
PC STA = 40+27.81 FR
PT STA = 43+57.68 FR

PI STA = 47+30.11 FR
Y = 416808.250
X = 783389.549
DELTA = 77°12'12" RT
D = 22°55'06"
T = 199.58'
L = 336.86'
R = 250.00'
PC STA = 45+30.53 FR
PT STA = 48+67.39 FR
AH = S 76°49'19" E

NOTE: ALL AREAS SHOWN ARE IN ACRES UNLESS OTHERWISE NOTED

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W AC. OR S.F NEW	EXISTING	REQUIRED TOTAL	TLE AC. OR S.F.
29	ERIC A. MORRICK	FEE,TLE	2.972	5.309	8.281	0.941
31	BRIAN C. HIGBY & LISA A. KRUGNER-HIGBY	FEE,TLE	0.009	0.081	0.090	0.087
32	PAMELA J. HAASE, JOSEPH G. HENRY, SARA GRAY, & SANDRA J. GRISHAM	FEE,TLE	0.003	0.002	0.005	0.006
33	SCOTT A. SWANSON	FEE,TLE	0.008	0.014	0.022	0.016
34	REMY FAMILY TRUST	FEE,TLE	0.001	0.013	0.014	0.002

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	ALLIANT ENERGY-ELECTRIC	RELEASE OF RIGHTS
102	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
108	AMERICAN TRANSMISSION COMPANY	RELEASE OF RIGHTS

(100) ALLIANT ENERGY-ELECTRIC (WP&L BLANKET EASEMENT) N½ - SW¼ DOC.603589, V.132, P.1 PARCELS 33 & 34

(102) FRONTIER COMMUNICATIONS (GENERAL TELEPHONE) DOC. 1245467, V.119, P.426 PARCEL 29

(102) FRONTIER COMMUNICATIONS (GENERAL TELEPHONE) DOC. 1259733, V.161, P.414 PARCEL 29

(108) AMERICAN TRANSMISSION COMPANY WP&L EASE. ALONG R/W NO WIDTH GIVEN DOC. 952252, V.315, P.181 ASSIGNED TO ATC DOC. 3282843 PARCEL 29

(108) AMERICAN TRANSMISSION COMPANY WP&L EASE. C/L ALONG SECTION LINE DOC.952252, V.315, P.181 AND DOC.950774, V.314, P.233 AND DOC. 950781, V.314, P.247 DOC. 950774 & DOC.950781 ASSIGNED TO ATC BY DOC.3282843 PARCELS 31, 32, 33

(108) AMERICAN TRANSMISSION COMPANY WP&L EASE DOC. 952254 V.315, P.185 ASSIGNED TO ATC BY DOC. 3282843 PARCEL 31

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT 379B.

EXISTING HIGHWAY RIGHT-OF-WAY FOR FRENCHTOWN ROAD ESTABLISHED FROM EXISTING CENTERLINE, CSM 11265, DAHLEN PLAT OF SURVEY #3148 DATED: 9/3/63

EXISTING ACCESS CONTROL FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT 1690-00-29.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 3/4" REBAR UNLESS OTHERWISE NOTED.

CURVE 1
R=342.00'
L=193.43'
LC=190.86'
LCB=S69° 55' 36"W

PARCEL 1
DAHLEN PLAT OF SURVEY #3148
DATED: 9/3/63

PARCEL 2
DAHLEN PLAT OF SURVEY #3148
DATED: 9/3/63

SHEET LOCATION

TRANSPORTATION PROJECT PLAT NO: 1693-05-22-4.06 AMENDMENT NO. 1

AMENDS UTILITY NUMBER 102 OF TRANSPORTATION PROJECT PLAT NO. 1693-05-22-4.06 RECORDED AS DOCUMENT NO. 5464113 AT THE DANE COUNTY REGISTER OF DEEDS.

THAT PART OF THE SW1/4 OF THE SE1/4 AND THAT PART OF THE SE1/4 OF THE SE1/4, AND THAT PART OF THE NE1/4 OF THE SE1/4 OF SECTION 22, AND THAT PART OF THE NW1/4 OF THE SW1/4 OF SECTION 23, ALL IN TOWN 5 NORTH RANGE 8 EAST, TOWN OF MONTROSE, DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 69 NEW GLARUS - VERONA (CTH D TO VALLEY ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

FILE NAME : S:\MAD\1000--1099\1089\418\ACAD\CIVIL3D\RW\040106_RP-040111_RP.DWG
APPRAISAL PLAT DATE : 1/15/21
PLOT DATE : 1/15/2021 8:51 AM
PLOT BY : BARTELT, HEATHER
PLOT NAME :
PLOT SCALE : **********

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W AC. OR S.F REQUIRED NEW	EXISTING	TOTAL	TLE AC. OR S.F.
29	ERIC A. MORRICK	FEE,TLE	1.197	1.017	2.214	0.255
36	JOHN J. & LINDA C. EVERSON	FEE,TLE	0.615	1.931	2.546	0.294

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	ALLIANT ENERGY-ELECTRIC	RELEASE OF RIGHTS
102	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
108	AMERICAN TRANSMISSION COMPANY	RELEASE OF RIGHTS

NOTE: ALL AREAS SHOWN ARE IN ACRES UNLESS OTHERWISE NOTED

PI STA = 47+30.11 FR
Y = 416808.250
X = 783389.549
DELTA = 77°12'12" RT
D = 22°55'06"
T = 199.58'
L = 336.86'
R = 250.00'
PC STA = 45+30.53 FR
PT STA = 48+67.39 FR
BK = N 25°58'29" E

PI STA = 55+38.88 FR
Y = 416609.665
X = 784237.687
DELTA = 10°00'13" LT
D = 8°48'53"
T = 56.89'
L = 113.49'
R = 650.00'
PC STA = 54+82.00 FR
PT STA = 55+95.48 FR
AH = S 86°49'32" E

CURVE 1
R=408.00'
L=93.32'
LC=93.12'
LCB=S77° 12' 18"E

CURVE 2
R=717.00'
L=94.33'
LC=94.26'
LCB=S74° 28' 22"E

(100) ALLIANT ENERGY-ELECTRIC (WP&L EASEMENT) DOC. 4749905 PARCEL 29

(100) ALLIANT ENERGY-ELECTIRC (WP&L EASEMENT) DOC. 4749907 PARCEL 36

(102) FRONTIER COMMUNICATIONS (GENERAL TELEPHONE EASE.) DOC. 1245467, V.119, P.426 PARCEL 29

(102) FRONTIER COMMUNICATIONS (GENERAL TELEPHONE EASE.) DOC. 1245458, V.119, P.414 PARCEL 36

(108) AMERICAN TRANSMISSION COMPANY (WP&L EASEMENT) DOC. 952252, V.315, P.181 PARCEL 29

(108) AMERICAN TRANSMISSION COMPANY (WP&L EASEMENT) DOC. 952255, V.315, P.187 PARCELS 29 & 36

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT 379B AND CSM 11265.

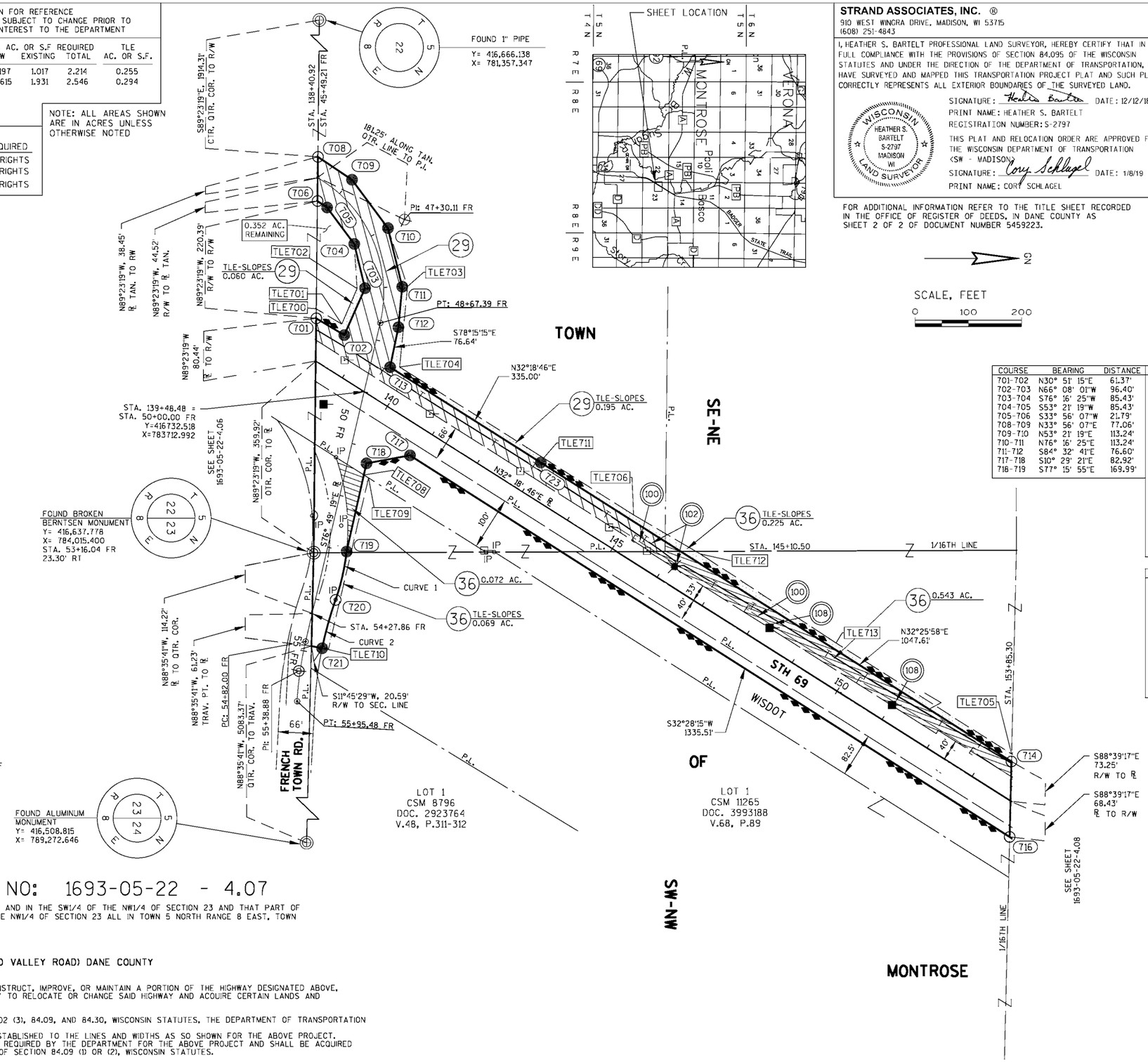
EXISTING HIGHWAY RIGHT-OF-WAY FOR FRENCHTOWN ROAD ESTABLISHED FROM CSM 11265 & DAHLEN PLAT OF SURVEY #3148 DATED 9/3/63.

EXISTING ACCESS CONTROL FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT 1690-00-29.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 3/4" REBAR UNLESS OTHERWISE NOTED.



COURSE	BEARING	DISTANCE
701-702	N30° 51' 15"E	61.37'
702-703	N66° 08' 01"W	96.40'
703-704	S76° 16' 25"W	85.43'
704-705	S53° 21' 19"W	85.43'
705-706	S33° 56' 07"W	21.79'
708-709	N33° 56' 07"E	77.06'
709-710	N53° 21' 19"E	113.24'
710-711	N76° 16' 25"E	113.24'
711-712	S84° 32' 41"E	76.60'
717-718	S10° 29' 21"E	82.92'
718-719	S77° 15' 55"E	169.99'

POINT #	STATION	OFFSET
701	137+98.65	68.44'
702	138+60.00	70.00'
703	48+00.00 FR	35.00'
704	47+00.00 FR	35.00'
705	46+00.00 FR	35.00'
706	45+74.64 FR	36.92'
708	45+32.16 FR	34.75'
709	46+00.00 FR	35.00'
710	47+00.00 FR	35.00'
711	48+00.00 FR	35.00'
712	48+67.39 FR	35.00'
713	139+65.00	65.00'
714	153+47.61	62.81'
716	154+20.51	58.68'
717	140+85.00	55.00'
718	140+24.16	111.34'
719	52+99.99 FR	36.32'
720	53+93.11 FR	36.94'
721	54+87.58 FR	33.05'
723	143+00.00	65.00'

POINT #	STATION	OFFSET
TLE700	137+89.26	83.64'
TLE701	138+45.00	85.00'
TLE702	48+00.00 FR	50.00'
TLE703	48+00.00 FR	45.00'
TLE704	139+80.00	75.00'
TLE705	153+40.29	75.00'
TLE706	145+00.00	75.00'
TLE708	51+52.29 FR	35.17'
TLE709	51+55.70 FR	45.00'
TLE710	54+87.37 FR	44.98'
TLE711	143+00.00	75.00'
TLE712	146+45.00	80.00'
TLE713	149+50.00	75.00'

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Heather Bartelt DATE: 12/12/18
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
<SW - MADISON>
SIGNATURE: Cory Schlagel DATE: 1/8/19
PRINT NAME: CORY SCHLAGEL

HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT # 5464115
01/08/2019 09:19 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1693-05-22-4.07
AMENDMENT NO:...

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5459223.

SCALE, FEET
0 100 200

TRANSPORTATION PROJECT PLAT NO: 1693-05-22 - 4.07

THAT PART OF LOT 1 OF CSM 11265 IN THE SE1/4 OF THE NE1/4 OF SECTION 22 AND IN THE SW1/4 OF THE NW1/4 OF SECTION 23 AND THAT PART OF THE SE1/4 OF THE NE1/4 OF SECTION 22, AND THAT PART OF THE SW1/4 OF THE NW1/4 OF SECTION 23 ALL IN TOWN 5 NORTH RANGE 8 EAST, TOWN OF MONTROSE, DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 69 NEW GLARUS - VERONA (CTH D TO VALLEY ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

FILE NAME : S:\MAD\1000--1099\1089\418\ACAD\CIVIL3D\RW\040106_RP-040111_RP.DWG
APPRAISAL PLAT DATE : 12/12/18
PLOT DATE : 12/12/2018 9:14 AM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : ''''''''''''

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W AC. OR S.F REQUIRED NEW	EXISTING	TOTAL	TLE AC. OR S.F.
36	JOHN J. & LINDA C. EVERSON	FEE,TLE	1.267	3.084	4.351	0.247

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	ALLIANT ENERGY-ELECTRIC	RELEASE OF RIGHTS
102	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
108	AMERICAN TRANSMISSION COMPANY	RELEASE OF RIGHTS

NOTE: ALL AREAS SHOWN ARE IN ACRES UNLESS OTHERWISE NOTED

POINT #	STATION	OFFSET
802	169+63.22	60.00'
803	159+00.00	60.00'
804	154+20.51	58.68'
806	153+47.61	62.81'
807	166+90.00	60.00'
808	167+31.13	101.49'
809	47+35.00 AW	35.00'
810	45+35.54 AW	33.61'
811	154+95.00	62.50'
DF9765	46+33.80 AW	26.84'

POINT #	STATION	OFFSET
TLE805	153+40.29	75.00'
TLE806	160+05.00	75.00'
TLE807	160+05.00	61.43'
TLE808	166+00.00	60.19'
TLE809	167+00.00	85.00'
TLE810	48+44.29 AW	39.65'

PI STA = 47+39.68 AW
Y = 419257.411
X = 784992.159
DELTA = 31°07'30" RT
D = 9°32'57"
T = 167.10'
L = 325.94'
R = 600.00'
PC STA = 45+72.58 AW
PT STA = 48+98.52 AW

(100) ALLIANT ENERGY-ELECTIRC (WP&L EASEMENT) DOC. 4749907 PARCEL 36

(102) FRONTIER COMMUNICATIONS (GENERAL TELEPHONE EASEMENT) DOC. 1259719, V.161, P.398 PARCEL 36

(102) FRONTIER COMMUNICATIONS (GENERAL TELEPHONE EASEMENT) DOC. 1245458, V.119, P.414 PARCEL 36

(108) AMERICAN TRANSMISSION COMPANY (WP&L EASEMENT) DOC. 952255, V.315, P.187 PARCEL 36

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT 3798 AND CSM 11265.

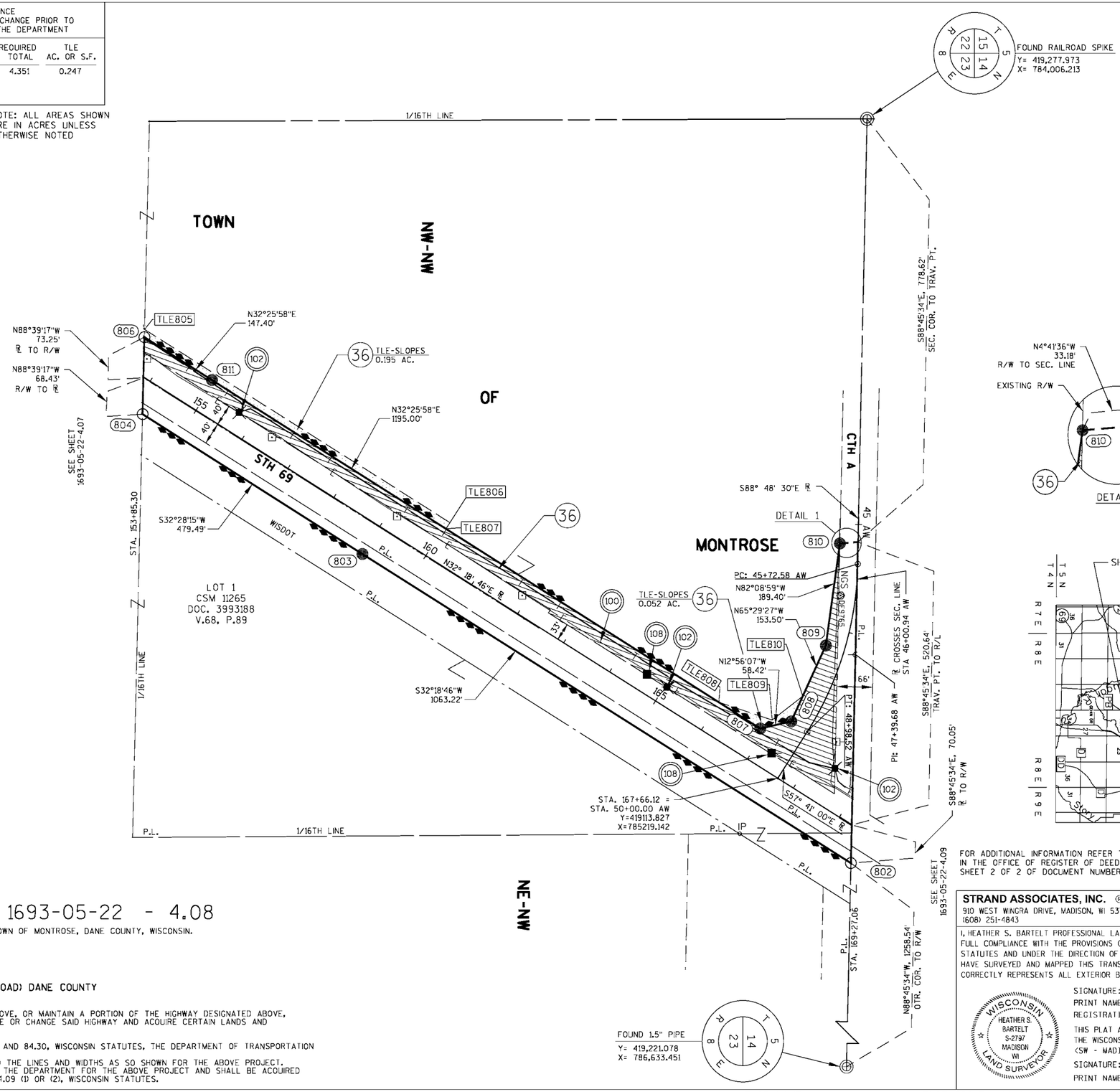
EXISTING R/W CTH A (WEST) ESTABLISHED FROM SECTION LINE.

EXISTING ACCESS CONTROL FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT 1690-00-29.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 3/4" REBAR UNLESS OTHERWISE NOTED.



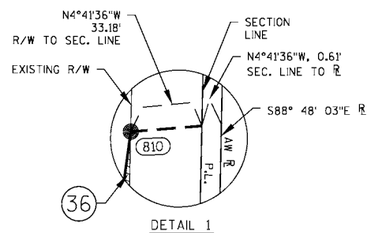
KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

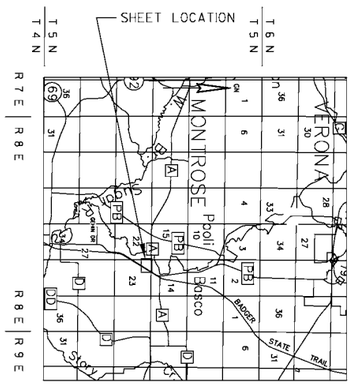
DOCUMENT # 5464116
01/08/2019 09:22 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1693-05-22-4.08
AMENDMENT NO:

GN

SCALE, FEET
0 100 200





FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5459223.

TRANSPORTATION PROJECT PLAT NO: 1693-05-22 - 4.08

THAT PART OF THE NW1/4 OF THE NW1/4 IN SECTION 23, TOWN 5 NORTH, RANGE 8 EAST, TOWN OF MONTROSE, DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 69 NEW GLARUS - VERONA (CTH D TO VALLEY ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 12/12/18
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION (SW - MADISON)
SIGNATURE: Cory Schlagel DATE: 1/8/19
PRINT NAME: CORY SCHLAGEL

FILE NAME : S:\MAD\1000--1099\1089\418\ACAD\CIVIL3D\RW\040106_RP-040111_RP.DWG PLOT DATE : 12/12/2018 9:15 AM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : 12/12/18

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W AC. OR S.F REQUIRED NEW	EXISTING	TOTAL	TLE AC. OR S.F.
36	JOHN J. & LINDA C. EVERSON	FEE,TLE	1.556	2.952	4.508	0.541
37	DOUGLAS A. BROWN	FEE,TLE	0.088	0.425	0.513	0.041
38	BRYAN E., JANET G., & BART R. SORENSON	FEE,TLE	1.225	1.239	2.464	0.211
39	PETER R. JAHN & INGRID LIND-JAHN	FEE,TLE	0.193	1.194	1.387	0.306
41	CHARLES A. & BETH A. CAMPBELL	FEE,TLE	0.016	0.618	0.634	0.011
42	GREGORY A. LEGLER	FEE,TLE	1043 S.F.	8943 S.F.	9986 S.F.	4820 S.F.

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	ALLIANT ENERGY-ELECTRIC	RELEASE OF RIGHTS
102	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
108	AMERICAN TRANSMISSION COMPANY	RELEASE OF RIGHTS

NOTE: ALL AREAS SHOWN ARE IN ACRES UNLESS OTHERWISE NOTED

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT 379B & CSM 1946.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH A (WEST) ESTABLISHED FROM SECTION LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH A (EAST) ESTABLISHED FROM PREVIOUS PROJECT: 336-20

EXISTING ACCESS CONTROL FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT: 1690-00-29.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 3/4" REBAR UNLESS OTHERWISE NOTED.

PI STA = 181+60.26
Y = 420292.075
X = 785964.370
DELTA = 40°07'13" LT
D = 3°00'56"
T = 693.80'
L = 1330.44'
R = 1900.00'
PC STA = 174+66.46
PT STA = 187+96.90

PI STA = 47+39.68 AW
Y = 419257.411
X = 784992.159
DELTA = 31°07'30" RT
D = 9°32'57"
T = 167.10'
L = 325.94'
R = 600.00'
PC STA = 45+72.58 AW
PT STA = 48+98.52 AW

PI STA = 51+71.56 AE
Y = 420512.253
X = 786048.711
DELTA = 13°08'44" RT
D = 9°32'57"
T = 69.13'
L = 137.66'
R = 600.00'
PC STA = 51+02.42 AE
PT STA = 52+40.08 AE

PI STA = 54+12.01 AE
Y = 420543.103
X = 786287.786
DELTA = 8°58'25" LT
D = 2°51'16"
T = 157.50'
L = 314.36'
R = 2007.16'
PC STA = 52+54.51 AE
PT STA = 55+68.86 AE

COURSE	BEARING	DISTANCE
913-917	S11° 40' 00"E	222.09'
919-920	S04° 10' 44"E	131.93'
920-921	S59° 42' 57"E	136.82'
921-922	N86° 32' 22"E	147.32'
922-923	S02° 20' 16"W	21.10'
923-924	SEE CURVE 1 DATA	
926-927	SEE CURVE 2 DATA	
927-928	S02° 20' 16"W	13.96'
928-929	S76° 03' 38"W	130.77'
929-930	S79° 51' 19"W	156.74'
930-931	S12° 30' 38"W	116.03'
931-932	S15° 57' 40"W	194.48'

CURVE 1
R=1942.86'
L=33.37'
LC=33.37'
LCB=N86° 43' 16"E

CURVE 2
R=1876.86'
L=39.30'
LC=39.30'
LCB=S86° 36' 47"W

POINT #	STATION	OFFSET
901	45+28.74 AW	32.39'
902	169+23.43	69.97'
903	174+66.45	80.19'
904	178+00.00	60.00'
905	181+30.00	65.00'
906	183+70.00	82.00'
907	184+98.80	59.99'
908	187+96.90	60.00'
909	196+00.00	60.00'
910	197+25.00	70.00'
911	197+26.41	69.98'
913	197+04.76	57.51'
917	194+83.17	72.46'
918	191+05.31	73.72'
919	185+95.00	95.00'
920	184+70.00	105.00'
921	52+40.08 AE	60.00'
922	53+83.67 AE	54.27'
923	53+81.50 AE	33.29'
924	54+14.32 AE	33.30'
926	54+14.32 AE	32.70'
927	53+74.36 AE	32.72'
928	53+72.80 AE	46.60'
929	52+40.08 AE	65.00'
930	182+60.00	105.00'
931	181+50.00	100.00'
932	179+65.00	95.00'
933	176+50.00	70.00'
934	169+63.22	60.00'
936	174+66.46	60.00'

POINT #	STATION	OFFSET
TLE900	45+49.63 AW	37.88'
TLE901	46+07.23 AW	38.98'
TLE902	46+50 AW	38.17'
TLE903	169+17.38	80.00'
TLE904	170+85.00	80.00'
TLE905	171+60.00	125.00'
TLE906	171+85.00	90.00'
TLE907	174+65.36	90.00'
TLE909	178+00.00	70.00'
TLE910	180+00.00	80.00'
TLE911	182+00.00	95.00'
TLE912	196+98.46	94.60'
TLE913	196+50.00	99.99'
TLE914	191+25.00	73.65'
TLE915	191+25.00	85.00'
TLE916	187+96.90	95.00'
TLE917	185+16.36	110.51'
TLE918	184+85.00	115.00'
TLE919	52+40.00 AE	100.00'
TLE920	53+84.99 AE	89.34'
TLE921	54+05.91 AE	32.70'
TLE922	54+00.81 AE	65.20'
TLE923	52+48.59 AE	109.20'
TLE924	52+78.74 AE	60.48'

POINT #	STATION	OFFSET
TLE925	51+64.93 AE	74.39'
TLE926	51+48.78 AE	116.38'
TLE927	182+35.00	120.00'
TLE928	180+15.16	100.83'
TLE929	179+86.84	94.60'
TLE930	183+70.00	100.00'
TLE931	184+97.85	104.98'
TLE932	185+25.00	61.81'
TLE933	52+54.78 AE	98.52'
TLE934	52+34.48 AE	63.84'
TLE935	53+41.54 AE	54.88'
TLE936	53+58.60 AE	90.48'

TRANSPORTATION PROJECT PLAT NO: 1693-05-22-4.09 AMENDMENT NO. 1

AMENDS UTILITY NUMBERS 100 & 108 OF TRANSPORTATION PROJECT PLAT NO. 1693-05-22-4.09 RECORDED AS DOCUMENT NO. 5464131 AT THE DANE COUNTY REGISTER OF DEEDS.

THAT PART OF LOTS 1 & 2 OF CSM 1946 IN THE NE1/4 OF THE SW1/4, AND OTHER LANDS IN THE NE1/4 OF THE SW1/4, AND THAT PART OF THE SE1/4 OF THE SW1/4, AND THAT PART OF THE SW1/4 OF THE SW1/4 ALL IN SECTION 14, TOWN 5 NORTH, RANGE 8 EAST, TOWN OF MONTROSE, DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 69 NEW GLARUS - VERONA (CTH D TO VALLEY ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 1/15/21
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION (SW - MADISON)
SIGNATURE: Cory Schlagel DATE: 2/16/2021
PRINT NAME: CORY SCHLAGEL

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5459223.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5696523
02/19/2021 11:22 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:
The above recording information verifies that this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1693-05-22-4.09
AMENDMENT NO: 1

SCALE, FEET
0 100 200

GN

FOUND 1.5" PIPE
Y= 419,221.078
X= 786,633.451

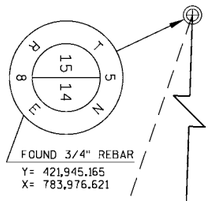
FOUND 3/4" REBAR
Y= 421,945.165
X= 783,976.621

FOUND BRASS MON.
Y= 421,861.094
X= 786,604.070

SEE SHEET 1693-05-22-4.08

SEE SHEET 1693-05-22-4.10

FILE NAME : S:\MAD\1000--1099\1089\418\ACAD\CIVIL3D\RW\040106_RP-040111_RP.DWG
APPRAISAL PLAT DATE : 1/15/21
PLOT DATE : 1/15/2021 8:53 AM
PLOT BY : BARTELT, HEATHER
PLOT NAME :
PLOT SCALE : ''''''''''''
STH 69 1693-05-22-4.09 AMEND. 1



POINT #	STATION	OFFSET
1000	197+26.41	69.98'
1001	203+00.00	60.00'
1002	208+00.00	50.00'
1003	214+75.00	50.00'
1004	215+00.00	40.00'
1005	216+48.81	40.00'
1006	218+90.50	70.77'
1007	221+87.25	81.13'
1008	223+97.59	68.91'
1010	223+83.55	67.65'
1011	219+48.63	65.00'
1012	217+25.00	60.00'
1013	216+00.00	40.00'
1014	214+22.35	40.00'
1015	214+09.63	56.23'
1016	51+66.39 H	31.94'
1018	51+30.00 H	34.56'
1019	51+10.00 H	34.84'
1020	213+00.00	50.00'
1021	202+79.12	95.00'
1022	202+79.12	54.79'
1023	197+27.35	56.64'
1024	197+04.76	57.51'
1026	222+00.00	70.00'
1027	209+25.00	50.00'
1028	205+75.00	94.80'

POINT #	STATION	OFFSET
TLE1000	197+75.00	80.00'
TLE1001	203+00.00	80.00'
TLE1002	206+00.00	75.00'
TLE1003	210+00.00	60.00'
TLE1004	213+50.00	60.00'
TLE1005	214+75.00	70.00'
TLE1006	215+00.00	55.00'
TLE1007	215+50.00	55.00'
TLE1008	217+00.00	85.00'
TLE1009	220+75.00	75.69'
TLE1010	221+50.00	90.00'
TLE1011	223+00.00	73.72'
TLE1012	223+98.06	73.57'
TLE1013	223+82.13	81.19'
TLE1014	219+48.63	75.00'
TLE1015	217+25.02	74.91'
TLE1016	216+67.56	55.00'
TLE1017	216+36.67	55.00'
TLE1018	214+63.90	40.03'
TLE1019	214+20.54	50.00'
TLE1020	51+65.94 H	40.00'
TLE1021	212+95.00	60.00'
TLE1023	209+25.00	75.00'
TLE1024	205+75.00	110.00'
TLE1025	202+25.00	110.00'
TLE1026	202+25.00	54.97'
TLE1027	200+49.95	55.56'
TLE1028	196+98.46	94.60'

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W AC. OR S.F. REQUIRED NEW	EXISTING	TOTAL	TLE AC. OR S.F.
38	BRYAN E., JANET G., & BART R. SORENSON	FEE,TLE	0.780	1.312	2.092	0.570
42	GREGORY A. LEGLER	FEE,TLE	9 SF	2565 SF	2574 SF	1681 S.F.
43	DANE COUNTY	FEE,TLE	0.838	2.863	3.701	0.838
44	GAFKE LIVING TRUST	FEE,TLE	0.074	0.203	0.277	0.041
46	DREW F. STEINHORST	FEE,TLE	0.016	0.195	0.211	0.030
47	ROBERT J. & JILL A. KLASSY	FEE,TLE	0.634	0.661	1.295	0.201

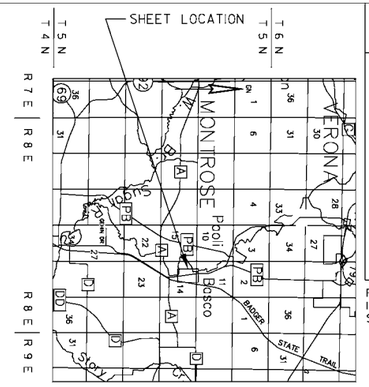
UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
102	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS

NOTE: ALL AREAS SHOWN ARE IN ACRES UNLESS OTHERWISE NOTED

COURSE	BEARING	DISTANCE
1013-1014	S07° 48' 27"E	177.65'
1014-1015	S59° 43' 40"E	20.62'
1015-1016	S88° 20' 16"E	114.75'
1018-1019	N88° 20' 17"W	20.00'
1019-1020	S48° 12' 42"W	62.76'
1021-1022	N82° 11' 48"E	40.21'
1023-1024	S10° 00' 35"E	22.61'

PI STA = 225+71.98
Y = 424719.533
X = 785357.297
DELTA = 10°57'21" RT
D = 0°52'53"
T = 623.35'
L = 1242.90'
R = 6500.00'
PC STA = 219+48.63
PT STA = 231+91.53
AH = N 3°08'54" E



STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 12/12/18
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

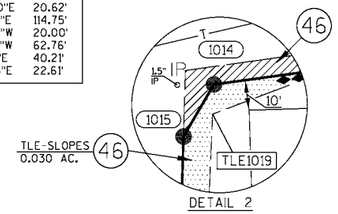
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION (SW - MADISON)
SIGNATURE: Cory Schlagel DATE: 1/8/19
PRINT NAME: CORY SCHLAGEL

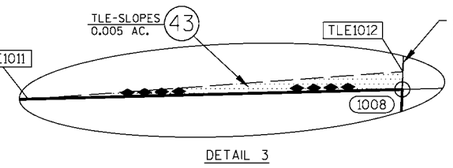
KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

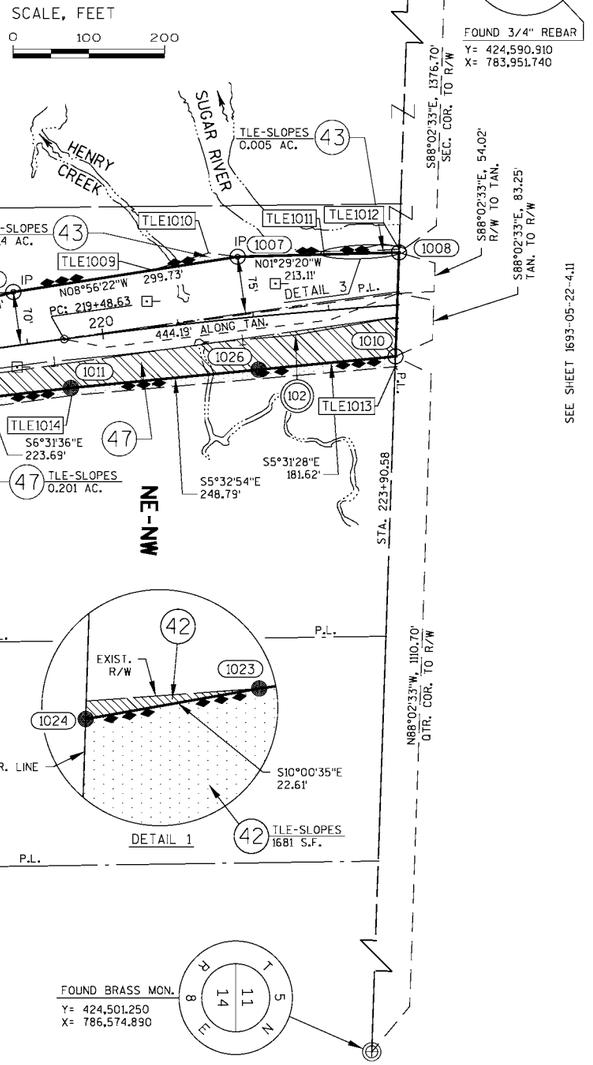
DOCUMENT #
5464117
01/08/2019 09:22 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:

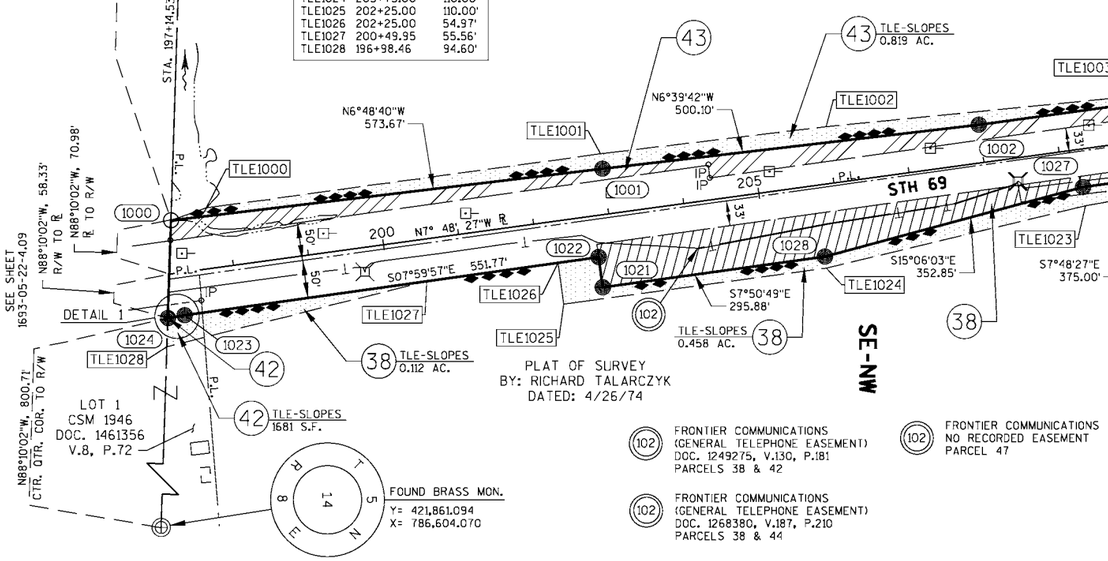
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1693-05-22-4.10
AMENDMENT NO:___

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5459223.









TRANSPORTATION PROJECT PLAT NO: 1693-05-22-4.10

THAT PART OF LOT 1 OF CSM 1946 IN THE SE1/4 OF THE NW1/4 AND THAT PART OF LOT 1 OF CSM 1878 IN THE NE1/4 OF THE NW1/4, AND OTHER LANDS IN THE NE1/4 OF THE NW1/4, AND THAT PART OF THE SE1/4 OF THE NW1/4 ALL IN SECTION 14, TOWN 5 NORTH, RANGE 8 EAST, TOWN OF MONTROSE, DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 69 NEW GLARUS - VERONA (CTH D TO VALLEY ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT 379B, CSM 1878, CSM 1946, PLAT OF SURVEY BY: RICHARD TALARCZYK DATED 12/18/89, PLAT OF SURVEY BY: RICHARD TALARCZYK DATED 4/26/74.

EXISTING HIGHWAY RIGHT-OF-WAY FOR HENRY ROAD ESTABLISHED FROM EXISTING CENTERLINE, CSM 1878, AND PLAT OF SURVEY BY: DAVID JENKINS DATED 7/28/05.

EXISTING ACCESS CONTROL FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT: 1690-00-29.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 3/4" REBAR UNLESS OTHERWISE NOTED.

FILE NAME : S:\MAD\1000--1099\1089\418\ACAD\CIVIL3D\RW\040106_RP-040111_RP.DWG
APPRAISAL PLAT DATE : 12/12/18
PLOT DATE : 12/12/2018 9:26 AM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : ■■■■■■■■■■■

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W AC. OR S.F REQUIRED NEW	EXISTING	TOTAL	TLE AC. OR S.F.
43	DANE COUNTY	FEE,TLE	0.000	1.238	1.238	0.366
48	ZIMMERMAN JOINT REVOCABLE TRUST	FEE,TLE	5.244	3.418	8.662	1.833

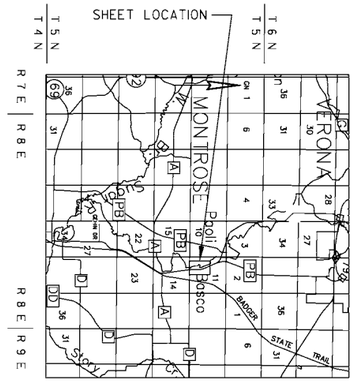
UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
102	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS

NOTE: ALL AREAS SHOWN ARE IN ACRES UNLESS OTHERWISE NOTED

POINT #	STATION	OFFSET
1100	223+97.59	68.91'
1101	225+51.13	64.34'
1102	227+44.34	66.21'
1103	237+15.51	108.92'
1104	237+15.64	101.92'
1105	240+13.35	119.69'
1106	243+76.95	218.54'
1107	251+07.77	540.41'
1108	250+96.02	467.42'
1109	244+06.91	159.73'
1110	242+52.11	96.72'
1111	242+45.00	55.00'
1112	245+00.00	50.00'
1113	248+48.47	55.00'
1114	250+48.30	67.31'
1116	250+37.18	60.52'
1117	248+48.47	60.00'
1118	245+00.00	60.00'
1119	242+75.00	66.61'
1120	235+00.00	50.00'
1121	231+91.53	65.00'
1122	229+00.00	65.00'
1123	225+70.00	60.00'
1124	223+83.55	67.65'

POINT #	STATION	OFFSET
TLE1100	223+98.06	73.57'
TLE1101	225+00.00	75.00'
TLE1102	228+00.00	80.00'
TLE1103	231+91.53	90.00'
TLE1104	240+00.00	140.00'
TLE1105	242+26.24	181.18'
TLE1106	242+61.17	213.81'
TLE1107	243+73.43	267.73'
TLE1108	243+55.07	135.19'
TLE1109	242+55.00	80.00'
TLE1110	245+00.00	60.00'
TLE1111	248+48.47	75.00'
TLE1112	250+50.17	87.17'
TLE1113	250+35.97	75.43'
TLE1114	248+48.47	75.00'
TLE1115	244+99.81	75.00'
TLE1116	243+00.00	100.00'
TLE1117	242+24.97	84.20'
TLE1118	241+87.57	183.92'
TLE1119	241+71.00	182.98'
TLE1120	241+60.48	78.87'
TLE1121	235+00.00	60.00'
TLE1122	231+91.53	75.00'
TLE1123	225+70.00	75.00'
TLE1124	223+82.13	81.19'
TLE1125	245+03.63	283.09'



STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Heather Bartelt DATE: 12/12/18
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
<SW - MADISON>
SIGNATURE: Cory Schlagel DATE: 1/9/19
PRINT NAME: CORY SCHLAGEL

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5459223.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5464328
01/09/2019 08:53 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1693-05-22-4.11
AMENDMENT NO:___

PLAT OF SURVEY
BY: RICHARD TALARCZYK
MAP NO. M-502-L
DATED: 12/18/89

TOWN OF MONTROSE

SW-SW | NW-SW | SE-SW | NE-SW

FOUND 3/4" REBAR
Y= 424,590.910
X= 783,951.740

FOUND ALUMINUM MONUMENT
Y= 427,251.344
X= 783,927.019

FOUND BRASS MON.
Y= 424,501.250
X= 786,574.890

FOUND BRASS CAP
Y= 427,148.032
X= 786,551.502

GN
SCALE, FEET
0 100 200

S88°02'33"E, 1376.70' SEC. COR. TO R/W
N88°02'33"W, 54.02' TAN. TO R/W
N88°02'33"W, 83.25' R/W TO TAN.
N88°02'33"W, 1110.70' QTR. COR. TO R/W
STA. 223+90.58
STA. 237+17.53
STA. 250+42.26
P.I.
1/16TH LINE
SEE SHEET 1693-05-22-4.10
SEE SHEET 1693-05-22-4.12
S87°44'45"E, 1014.25' QTR. COR. TO R/W
S87°44'45"E, 73.50' R/W TO R/W
S87°44'45"E, 402.17' R/W TO R/W
S87°44'45"E, 77.45' R/W TO TAN.
S87°44'45"E, 50.87' TAN. TO R/W
N87°44'45"W, 1008.29' CTR. QTR. COR. TO R/W

CURVE 1
R=2904.79'
L=195.19'
LC=195.15'
LCB=N2° 11' 38"W

CURVE 2
R=921.93'
L=379.47'
LC=376.80'
LCB=N12° 03' 38"W

CURVE 3
R=987.93'
L=167.34'
LC=167.14'
LCB=S18° 59' 59"E

N1°29'20"W 155.18'
N23°51'08"W 736.80'
S23°51'08"E 704.46'
S66°08'52"W 66.00'
N3°30'13"W 193.70'
N2°19'35"E 348.50'
S87°54'54"E 7.01'
N00°16'08"W 977.11'
N00°16'08"W 298.24'
S77°11'05"E 42.32'
N4°16'18"E 255.05'
S00°00'02"W 326.83'
S01°51'49"W 288.59'
S00°21'52"W 308.83'
N3° 08' 54"E R
S04°22'34"W 775.18'
S01°27'59"W 225.10'
S03°08'54"W 348.47'
S0°27'24"W 194.62'
S5°31'28"E 184.77'

PI: 225+71.98
PT: 231+91.53
PC: 248+48.47
STH 69
4.085 ACRES REMAINING

TLE-SLOPES 0.366 AC.
TLE-SLOPES 0.507 AC.
TLE-SLOPES 0.331 AC.
TLE-SLOPES & DRIVEWAY 0.995 AC.

(102) FRONTIER COMMUNICATIONS (GENERAL TELEPHONE EASEMENT) DOC. 125913, V.138, P.174 PARCEL 48

TRANSPORTATION PROJECT PLAT NO: 1693-05-22 - 4.11

THAT PART OF THE SE1/4 OF THE SW1/4, AND THAT PART OF THE NE1/4 OF THE SW1/4, AND THAT PART OF THE NW1/4 OF THE SW1/4 ALL IN SECTION 11, TOWN 5 NORTH, RANGE 8 EAST, TOWN OF MONTROSE, DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 69 NEW GLARUS - VERONA (CTH D TO VALLEY ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT 379B & PLAT OF SURVEY BY: RICHARD TALARCZYK DATED: 12/18/89.

EXISTING ACCESS CONTROL FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT: 1690-00-29.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 3/4" REBAR UNLESS OTHERWISE NOTED.

TRANSPORTATION PROJECT PLAT NO: 1693-05-22 - 4.12

THAT PART OF THE SE1/4 OF THE NW1/4, AND THAT PART OF THE NW1/4 OF THE NW1/4, AND THAT PART OF THE SW1/4 OF THE NW1/4 ALL IN SECTION 11, TOWN 5 NORTH, RANGE 8 EAST, TOWN OF MONTROSE, DANE COUNTY, WISCONSIN.

RELOCATION ORDER **STH 69** **NEW GLARUS - VERONA (CTH D TO VALLEY ROAD) DANE COUNTY**

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
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SCHEDULE OF LANDS & INTERESTS REQUIRED

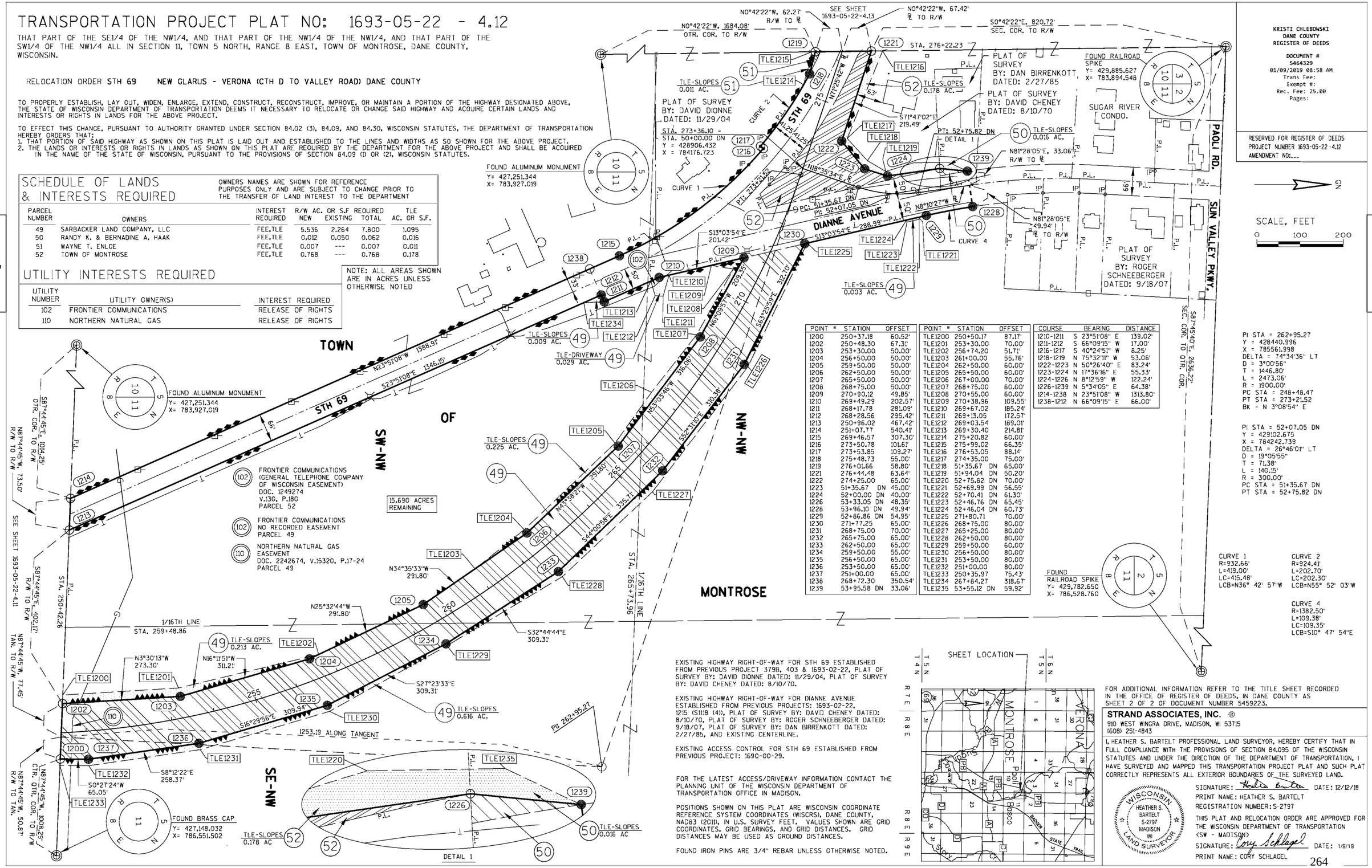
OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W AC. OR S.F NEW	EXISTING	REQUIRED TOTAL	TLE AC. OR S.F.
49	SARBACKER LAND COMPANY, LLC	FEE,TLE	5.536	2.264	7.800	1.095
50	RANDY K. & BERNADINE A. HAAK	FEE,TLE	0.012	0.050	0.062	0.016
51	WAYNE T. ENLOE	FEE,TLE	0.007	---	0.007	0.011
52	TOWN OF MONTROSE	FEE,TLE	0.768	---	0.768	0.178

NOTE: ALL AREAS SHOWN ARE IN ACRES UNLESS OTHERWISE NOTED

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
102	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
110	NORTHERN NATURAL GAS	RELEASE OF RIGHTS



POINT #	STATION	OFFSET
1200	250+37.18	60.52'
1202	250+48.30	67.31'
1203	253+30.00	50.00'
1204	256+50.00	50.00'
1205	259+50.00	50.00'
1206	262+50.00	50.00'
1207	265+50.00	50.00'
1208	268+75.00	50.00'
1209	270+90.12	49.85'
1210	269+49.29	202.57'
1211	268+17.78	281.09'
1212	268+28.56	295.42'
1213	250+96.02	467.42'
1214	251+07.77	540.41'
1215	269+46.57	307.30'
1216	273+50.78	101.61'
1217	273+53.85	109.27'
1218	275+48.73	55.00'
1219	276+01.66	58.80'
1221	276+44.48	63.64'
1222	274+25.00	65.00'
1223	51+35.67 DN	45.00'
1224	52+00.00 DN	40.00'
1226	53+33.05 DN	48.35'
1228	53+96.10 DN	49.94'
1229	52+86.86 DN	54.95'
1230	271+77.25	65.00'
1231	268+75.00	70.00'
1232	265+75.00	65.00'
1233	262+50.00	65.00'
1234	259+50.00	55.00'
1235	256+50.00	65.00'
1236	253+50.00	65.00'
1237	251+00.00	65.00'
1238	268+72.30	350.54'
1239	53+95.58 DN	33.06'

POINT #	STATION	OFFSET
TLE1200	250+50.17	87.17'
TLE1201	253+30.00	70.00'
TLE1202	256+74.20	51.71'
TLE1203	261+00.00	55.76'
TLE1204	262+50.00	60.00'
TLE1205	265+50.00	60.00'
TLE1206	267+00.00	70.00'
TLE1207	268+75.00	60.00'
TLE1208	270+55.00	60.00'
TLE1209	270+38.96	109.55'
TLE1210	269+67.02	185.24'
TLE1211	269+13.05	172.57'
TLE1212	269+03.54	189.01'
TLE1213	269+30.40	214.81'
TLE1214	275+20.82	60.00'
TLE1215	275+99.02	66.35'
TLE1216	276+53.05	88.14'
TLE1217	274+35.00	75.00'
TLE1218	51+35.67 DN	65.00'
TLE1219	51+94.04 DN	50.20'
TLE1220	52+75.82 DN	70.00'
TLE1221	52+69.99 DN	56.55'
TLE1222	52+70.41 DN	61.30'
TLE1223	52+46.76 DN	65.45'
TLE1224	52+46.04 DN	60.73'
TLE1225	271+80.71	70.00'
TLE1226	268+75.00	80.00'
TLE1227	265+25.00	80.00'
TLE1228	262+50.00	80.00'
TLE1229	259+50.00	60.00'
TLE1230	256+50.00	80.00'
TLE1231	253+50.00	80.00'
TLE1232	251+00.00	80.00'
TLE1233	250+35.97	75.43'
TLE1234	267+84.27	318.67'
TLE1235	53+55.12 DN	59.92'

COURSE	BEARING	DISTANCE
1210-1211	S 23°51'08" E	139.02'
1211-1212	S 66°09'15" W	17.00'
1216-1217	S 40°24'51" W	8.25'
1218-1219	N 75°32'11" W	53.06'
1222-1223	N 50°26'40" E	83.24'
1223-1224	N 17°36'16" E	55.33'
1224-1226	N 8°12'59" W	122.24'
1226-1239	N 5°34'05" E	64.38'
1214-1238	N 23°51'08" W	1313.80'
1238-1212	N 66°09'15" E	66.00'

PI STA = 262+95.27
Y = 428440.996
X = 785561.998
DELTA = 74°34'36" LT
D = 3°00'56"
T = 1446.80'
L = 2473.06'
R = 1900.00'
PC STA = 248+48.47
PT STA = 273+21.52
BK = N 3°08'54" E

PI STA = 52+07.05 DN
Y = 429102.675
X = 784242.739
DELTA = 26°46'01" LT
D = 19°05'55"
T = 71.38'
L = 140.15'
R = 300.00'
PC STA = 51+35.67 DN
PT STA = 52+75.82 DN

CURVE 1
R=932.66'
L=418.00'
LC=415.48'
LCB=N36° 42' 57"W

CURVE 2
R=924.41'
L=202.70'
LC=202.30'
LCB=N55° 52' 03"W

CURVE 4
R=1382.50'
L=109.38'
LC=109.35'
LCB=S10° 47' 54"E

DETAIL 1

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT 3798, 403 & 1693-02-22, PLAT OF SURVEY BY: DAVID DIONNE DATED: 11/29/04, PLAT OF SURVEY BY: DAVID CHENEY DATED: 8/10/70.

EXISTING HIGHWAY RIGHT-OF-WAY FOR DIANNE AVENUE ESTABLISHED FROM PREVIOUS PROJECTS: 1693-02-22, 1215 (S111B (4)), PLAT OF SURVEY BY: DAVID CHENEY DATED: 8/10/70, PLAT OF SURVEY BY: ROGER SCHNEEBERGER DATED: 9/18/07, PLAT OF SURVEY BY: DAN BIRRENKOTT DATED: 2/27/85, AND EXISTING CENTERLINE.

EXISTING ACCESS CONTROL FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT: 1690-00-29.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 3/4" REBAR UNLESS OTHERWISE NOTED.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5459223.

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 12/12/18
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
<SW - MADISON>
SIGNATURE: Cory Schlagel DATE: 1/9/19
PRINT NAME: CORY SCHLAGEL

TRANSPORTATION PROJECT PLAT NO: 1693-05-22 - 4.13 AMENDMENT NO. 1

ADDS PARCEL 55 AND AMENDS PARCELS 53 & 58 OF TRANSPORTATION PROJECT PLAT NO. 1693-05-22-4.13 RECORDED AS DOCUMENT NO. 5464330 AT THE DANE COUNTY REGISTER OF DEEDS.

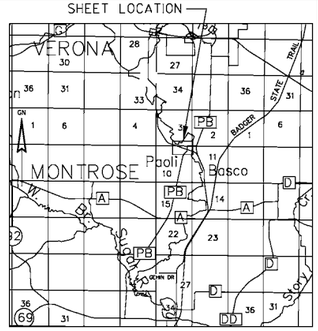
THAT PART OF LOTS 5 & 6 OF BLOCK 17 AND THAT PART OF LOTS 2, 3, 4, 5, & 6 OF BLOCK 16 AND THAT PART OF LOTS 2, 3, & 4 OF BLOCK 15 OF THE PLAT OF THE TOWN OF PAOLI IN THE NE1/4 OF THE NE1/4 AND THAT PART OF VACATED BLOOMING STREET AND VACATED MAIN STREET IN THE NE1/4 OF THE NE1/4 AND OTHER LANDS IN THE NE1/4 OF THE NE1/4 AND THAT PART OF THE NW1/4 OF THE NE1/4, IN SECTION 10 AND THAT PART OF THE SW1/4 OF THE SE1/4 OF SECTION 3, ALL IN TOWN 5 NORTH, RANGE 8 EAST, TOWN OF MONTROSE, DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 69 NEW GLARUS - VERONA (CTH D TO VALLEY ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT,
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SHEET LOCATION



STRAND ASSOCIATES, INC. ®
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I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 11/4/19
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION <SW - MADISON>
SIGNATURE: Cory Schlagel DATE: 11/6/2019
PRINT NAME: CORY SCHLAGEL

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5459223.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5538336
11/06/2019 02:48 PM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1693-05-22-4.13
AMENDMENT NO: 1

FOUND BRASS CAP
Y= 432,559.790
X= 781,217.210

FOUND ALUMINUM MONUMENT
Y= 429,917.917
X= 781,233.152
STA. 304+58.42
23.31' RT

S0°20'45"E, 2600.79' CTR. COR. TO R/W

S89°18'18"E, 526.84' OTR. COR. TO TRAV.

N89°18'18"W, 2132.75' SEC. COR. TO TRAV.

FOUND RAILROAD SPIKE
Y= 429,885.627
X= 783,894.548

PLAT OF SURVEY MAP NO: 2014-00120 BY: BRUCE BOWDEN DATED: 1/25/13

S36°31'58"E, 41.45' R/W TO SEC. LINE

S36°31'58"E 41.45' SEC. LINE TO R/W

SEE SHEET 1693-05-22-4.14

N0°20'45"W, 41.13 SEC. COR. TO R/W
N0°39'08"W, 22.57' R TO SEC. COR.
N0°39'08"W, 100.35' R/W TO R
N0°39'08"W, 2512.71' OTR. COR. TO R/W
STA. 304+50.99

FOUND BRASS CAP
Y= 427,282.460
X= 781,263.150

SUGAR RIVER
DETAIL 2
TOWN OF MONTROSE
SW-SE
NW-NE
SEE SHEET 1693-05-22-4.12
SEE SHEET 1693-05-22-4.11
SEE SHEET 1693-05-22-4.12
SEE SHEET 1693-05-22-4.13

STH 69
N71°25'42"W R
N71°50'25"W 695.50'
N69°04'17"W 267.89'
N59°48'46"W 380.44'
S71°10'01"E 1012.92'
0.253 AC.
3.235 AC.
0.274 AC.
0.024 AC.

CTH PB
N02°20'12"E 1320.31'
S89°47'37"E 41.26' R/W TO R
S89°47'37"E 24.74' R TO R/W
S87°12'35"W 174.53'
NB 1°02'51"W 140.85'
N76°14'39"W 389.62'
N71°10'11"W 122.35'
S46°38'35"W 287.65'
N36°54'25"E 85.75'
N40°20'00"E 172.68'
N2°42'22"E, 820.72' R/W TO R
S0°42'22"E, 67.42' R TO R/W
S0°42'22"E, 62.27' R TO R/W
N0°42'22"W, 1694.08' OTR. COR. TO R/W

RANGE TRAIL
66'
BLOCK 14 PLAT OF THE TOWN OF PAOLI
BLOCK 15 PLAT OF THE TOWN OF PAOLI
BLOCK 16 PLAT OF THE TOWN OF PAOLI
BLOCK 17 PLAT OF THE TOWN OF PAOLI
PLAT OF THE TOWN OF PAOLI BLOCK 15 LOT 3
LOT 4
LOT 5
LOT 6
HARRISON STREET
66' VACATED HARRISON ST.
66' VACATED MAIN ST.
66' VACATED WATER ST.
33' VACATED BLOOMING ST.
BLOOMING ST.
PLAT OF SURVEY BY: DAVID CHENEY DATED: 8/10/70
PLAT OF SURVEY BY: GEORGE WEIR DATED: 5/18/67
PLAT OF SURVEY BY: RICHARD TALARCZYK DATED: 7/23/81
PLAT OF SURVEY BY: DAVID DIONNE DATED: 11/29/04

ALLIANT ENERGY-ELECTRIC NO RECORDED EASEMENT PARCEL 53
FRONTIER COMMUNICATIONS NO RECORDED EASEMENT PARCEL 53
AMERICAN TRANSMISSION COMPANY (WP&L EASEMENT) DOC.950780 V.314, P.245-246 ASSIGNED TO ATC BY DOC. 3282843 PARCELS 51 & 52

SUGAR RIVER

COURSE	BEARING	DISTANCE
1300-1301	S70°56'58"E	25.79'
1303-1304	N89°18'18"W	22.50'
1304-1305	S53°45'30"W	74.88'
1305-1306	S18°49'59"W	33.65'
1307-1308	S71°10'11"E	53.16'
1308-1309	S00°33'00"W	8.69'
1309-1310	S71°10'11"E	69.51'
1310-1311	N82°29'10"E	66.66'
1311-1312	N00°33'00"E	100.78'
1312-1313	S89°47'37"E	66.00'
1313-1314	S00°33'00"W	133.00'
1314-1315	S26°41'33"E	40.42'
1315-1316	S71°10'11"E	247.60'
1316-1317	S77°40'03"E	278.00'
1317-1318	S71°20'47"E	175.18'
1318-1319	S71°10'11"E	284.23'
1319-1320	S71°47'02"E	48.65'
1322-1323	N75°32'11"W	226.92'
1329-1330	S44°02'08"W	197.13'
1330-1331	S50°37'51"W	44.50'
1342-1343	S82°00'24"W	67.08'
1343-1344	N70°39'26"W	17.95'

POINT #	STATION	OFFSET
1300	304+71.76	60.22'
1301	304+45.97	60.00'
1302	299+89.10	207.36'
1303	299+21.12	159.94'
1304	299+42.53	153.03'
1305	299+85.68	91.83'
1306	299+85.83	58.18'
1307	289+73.77	81.86'
1308	289+20.63	82.98'
1309	289+17.74	74.68'
1310	288+48.25	76.01'
1311	108+96.52 NB	38.65'
1312	109+97.26 NB	41.24'
1313	109+99.35 NB	24.73'
1314	108+66.40 NB	28.15'
1315	286+96.57	86.63'
1316	284+23.49	56.27'
1317	280+68.25	65.00'
1318	279+77.36	64.62'
1319	276+93.14	63.34'
1320	276+44.48	63.64'
1322	276+01.66	58.80'

POINT #	STATION	OFFSET
1323	278+27.99	75.06'
1324	281+52.56	73.59'
1325	283+50.00	95.00'
1326	285+00.00	115.00'
1327	286+38.30	145.94'
1328	104+69.66 NB	86.90'
1329	102+05.00 NB	45.05'
1330	100+07.94 NB	39.73'
1331	99+62.79 NB	32.83'
1333	99+62.79 NB	33.19'
1334	100+17.62 NB	33.63'
1335	101+90.18 NB	40.12'
1336	102+75.52 NB	48.46'
1337	288+52.00	193.02'
1338	289+62.49	206.86'
1339	290+00.30	120.00'
1340	293+75.00	70.00'
1341	296+44.52	60.00'
1342	303+40.00	65.00'
1343	304+00.00	95.00'
1344	304+17.95	94.76'

POINT #	STATION	OFFSET
TLE1300	304+76.82	75.00'
TLE1301	303+99.47	75.00'
TLE1305	300+97.75	172.32'
TLE1306	301+06.72	200.14'
TLE1307	299+98.08	235.18'
TLE1308	299+50.90	124.86'
TLE1309	299+50.00	70.00'
TLE1310	294+54.02	65.00'
TLE1311	292+00.00	75.00'
TLE1312	292+00.00	65.56'
TLE1313	108+91.00 NB	71.52'
TLE1314	109+20.25 NB	39.26'
TLE1315	109+99.61 NB	34.73'
TLE1316	108+70.42 NB	43.05'
TLE1317	108+31.02 NB	64.63'
TLE1318	284+22.90	61.24'
TLE1319	281+52.56	80.73'
TLE1320	278+70.65	64.14'
TLE1321	278+74.23	93.27'
TLE1322	278+50.00	100.00'
TLE1323	276+53.05	88.14'
TLE1324	275+99.02	66.35'
TLE1325	278+33.05	86.06'
TLE1326	278+34.02	75.03'
TLE1327	286+36.43	144.05'
TLE1328	105+31.05 NB	132.33'
TLE1329	100+07.89 NB	54.73'
TLE1330	100+07.33 NB	53.25'
TLE1331	103+31.94 NB	69.35'
TLE1332	290+81.45	107.36'
TLE1333	293+75.00	90.00'
TLE1334	296+44.52	75.00'
TLE1335	303+40.00	75.00'
TLE1336	304+00.00	100.00'
TLE1337	304+16.03	100.27'
TLE1338	280+68.28	65.00'
TLE1339	289+00.00	199.04'

CURVE 1
R=305.90'
L=141.31'
LC=140.05'
LCB=S33° 24' 26"W

CURVE 2
R=794.59'
L=55.95'
LC=55.94'
LCB=N41° 23' 08"E

PI STA = 282+37.97
Y = 429193.670
X = 783321.817
DELTA = 6°34'11" LT
D = 3°51'02"
T = 85.40'
L = 170.62'
R = 1488.00'
PC STA = 281+52.56
PT STA = 283+23.18
AH = N77°59'53"W

PI STA = 286+48.11
Y = 429256.657
X = 782917.169
DELTA = 41°30'29" RT
D = 57°17'45"
T = 37.89'
L = 72.45'
R = 100.00'
PC STA = 286+10.22
PT STA = 286+82.66
BK = N85°56'10"W
AH = N63°02'38"W

PI STA = 290+40.89
Y = 429421.283
X = 782560.568
DELTA = 4°35'40" RT
D = 5°39'42"
T = 40.60'
L = 81.15'
R = 1012.00'
PC STA = 290+00.30
PT STA = 290+81.45
BK = N70°04'34"W
AH = N65°28'54"W

PI STA = 99+81.40 NB
Y = 428673.987
X = 782406.803
DELTA = 1°54'20" RT
D = 5°07'15"
T = 16.61'
L = 37.27'
R = 1118.87'
PC STA = 99+62.79 NB
PT STA = 100+00.00 NB
BK = N40°35'00"E
AH = N42°29'20"E

PI STA = 106+34.77 NB
Y = 429201.421
X = 782773.289
DELTA = 37°52'57" RT
D = 57°17'45"
T = 34.32'
L = 66.12'
R = 100.00'
PC STA = 106+00.45 NB
PT STA = 106+66.57 NB
BK = N14°21'25"E
AH = N29°10'21"E

PI STA = 284+85.07
Y = 429245.093
X = 783079.929
DELTA = 7°56'17" LT
D = 9°32'57"
T = 41.63'
L = 83.13'
R = 600.00'
PC STA = 284+43.44
PT STA = 285+26.57
BK = N77°59'53"W
AH = N85°56'10"W

PI STA = 288+20.31
Y = 429346.114
X = 782767.950
DELTA = 7°01'56" LT

PI STA = 292+98.48
Y = 429528.195
X = 782326.171
DELTA = 5°56'48" LT
D = 1°54'35"
T = 155.82'
L = 311.36'
R = 3000.00'
PC STA = 291+42.66
PT STA = 294+54.02
BK = N65°28'54"W

PI STA = 104+57.01 NB
Y = 429204.712
X = 782728.059
DELTA = 28°07'55" LT
D = 12°27'20"
T = 115.25'
L = 225.86'
R = 460.00'
PC STA = 103+41.76 NB
PT STA = 105+67.62 NB
BK = N42°29'20"E
AH = N14°21'25"E

PI STA = 108+07.58 NB
Y = 429345.559
X = 782869.154

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W AC. OR S.F REQUIRED NEW	EXISTING	TOTAL	TLE AC. OR S.F.
43	DANE COUNTY	FEE,TLE	0.002	0.389	0.391	0.095
51	WAYNE T. ENLOE	FEE,TLE	0.043	---	0.043	0.048
52	TOWN OF MONTROSE	FEE,TLE	0.012	---	0.012	0.156
53	LESTER & BARBARA A. PALMER LIVING TRUST	FEE,TLE	3.911	3.719	7.630	0.979
54	ZWINGLI UNTIED CHURCH OF CHRIST	FEE,TLE	0.362	0.182	0.544	0.038
55	RONALD H. & MARIE E. WONDERS	FEE,TLE	0.006	---	0.006	0.057
56	KELSCH MACHINE CORPORATION	TLE	---	---	---	0.114
57	DAVID PAUL & ANDREA CARY ZIEGLER	FEE,TLE	0.047	---	0.047	0.065
58	TODD M. & TAMMY M. BREY	TLE	---	---	---	0.020
59	CARMEN MCDONALD, ROBIN NICHOLSON, & JULIANNA SMITH	FEE,TLE	0.024	---	0.024	0.021

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	ALLIANT ENERGY-ELECTRIC	RELEASE OF RIGHTS
102	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
108	AMERICAN TRANSMISSION COMPANY	RELEASE OF RIGHTS

NOTE: ALL AREAS SHOWN ARE IN ACRES UNLESS OTHERWISE NOTED

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECTS 403, 1693-02-22, TOWN OF PAOLI PLAT, PLAT OF SURVEY BY: GEORGE WEIR DATED: 5/18/67, PLAT OF SURVEY BY: RICHARD TALARCZYK DATED: 7/23/81, PLAT OF SURVEY BY: DAVID DIONNE DATED: 11/29/04, PLAT OF SURVEY BY: DAVID CHENEY DATED: 8/10/70.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH PB, ESTABLISHED FROM TOWN OF PAOLI PLAT, DANE COUNTY PROJECTS: 611-5496 & 1202, PLAT OF SURVEY BY: GEORGE WEIR DATED: 5/18/67, PLAT OF SURVEY BY: RICHARD TALARCZYK DATED: 7/23/81 AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR PAOLI ROAD ESTABLISHED FROM PLAT OF SURVEY BY: BRUCE BOWDEN DATED: 6/23/98, PLAT OF SURVEY BY: BRUCE BOWDEN DATED: 1/25/13 & SECTION LINE.

EXISTING ACCESS CONTROL FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT 1690-00-29.

EXISTING ACCESS CONRTOL FOR CTH PB ESTABLISHED FROM CHAPTER 79 OF DANE COUNTY ORDINANCES.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

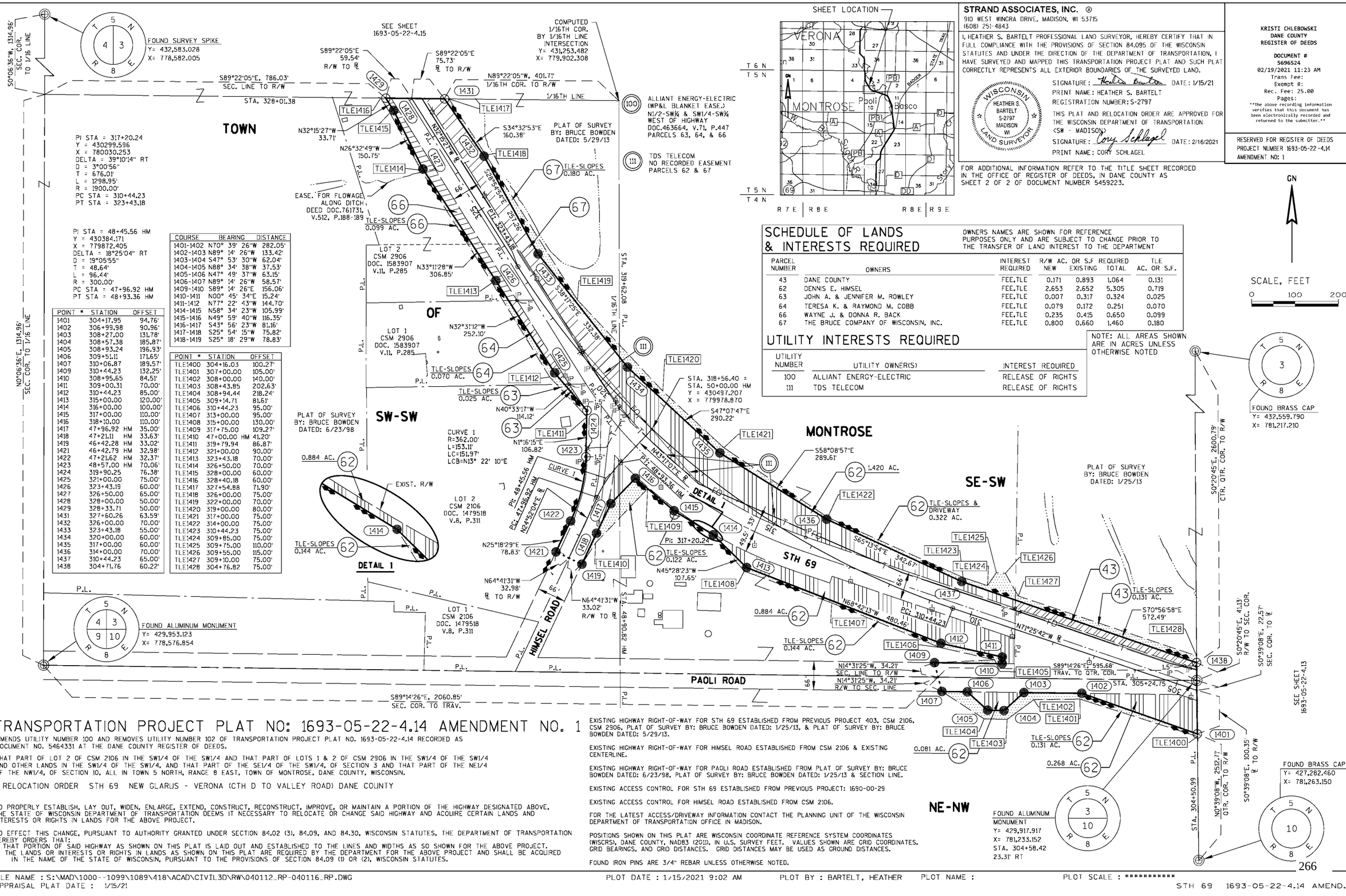
FOUND IRON PINS ARE 3/4" REBAR UNLESS OTHERWISE NOTED.

SCALE, FEET
0 100 200

FOUND RAILROAD SPIKE
Y= 429,885.627
X= 783,894.548

FOUND ALUMINUM MONUMENT
Y= 427,251.344
X= 783,927.019

FILE NAME : S:\MAD\1000--1099\1089\418\ACAD\CIVIL3D\RW\040112_RP-040116_RP.DWG
APPRAISAL PLAT DATE : 11/4/19
PLOT DATE : 11/4/2019 5:02 PM
PLOT BY : BARTELT, HEATHER PLOT NAME :
PLOT SCALE : **********
STH 69 1693-05-22-4.13 AMEND. 1



POINT *	STATION	OFFSET
1401	304+17.95	94.76'
1402	306+99.38	90.96'
1403	308+27.00	131.78'
1404	308+57.38	185.87'
1405	308+93.24	196.93'
1406	309+51.11	171.65'
1407	310+06.87	189.57'
1409	310+44.23	132.25'
1410	308+95.65	84.51'
1411	309+00.31	70.00'
1412	310+44.23	85.00'
1413	315+00.00	120.00'
1414	316+00.00	100.00'
1415	317+00.00	110.00'
1416	318+10.00	110.00'
1417	47+96.92 HM	35.00'
1418	47+21.11 HM	33.63'
1419	46+42.28 HM	33.02'
1421	46+42.79 HM	32.98'
1422	47+21.62 HM	32.37'
1423	48+57.00 HM	70.06'
1424	319+90.25	76.38'
1425	321+00.00	75.00'
1426	323+43.19	60.00'
1427	326+50.00	65.00'
1428	328+00.00	50.00'
1429	328+33.71	50.00'
1431	327+60.26	63.59'
1432	326+00.00	70.00'
1433	323+43.18	55.00'
1434	320+00.00	60.00'
1435	317+00.00	60.00'
1436	314+00.00	70.00'
1437	310+44.23	65.00'
1438	304+71.76	60.22'

COURSE	BEARING	DISTANCE
1401-1402	N70° 39' 26"W	282.05'
1402-1403	N89° 14' 26"W	133.42'
1403-1404	S47° 53' 30"W	62.04'
1404-1405	N88° 34' 38"W	37.53'
1405-1406	N47° 49' 37"W	63.15'
1406-1407	N89° 14' 26"W	58.57'
1409-1410	S89° 14' 26"E	156.06'
1410-1411	N00° 45' 34"E	15.24'
1411-1412	N77° 22' 43"W	144.70'
1414-1415	N58° 34' 23"W	105.99'
1415-1416	N49° 59' 40"W	116.35'
1416-1417	S43° 56' 23"W	81.16'
1417-1418	S25° 54' 15"W	75.82'
1418-1419	S25° 18' 29"W	78.83'

POINT *	STATION	OFFSET
TLE1400	304+16.03	100.27'
TLE1401	307+00.00	105.00'
TLE1402	308+00.00	140.00'
TLE1403	308+43.85	202.63'
TLE1404	308+94.44	218.24'
TLE1405	309+14.71	81.61'
TLE1406	310+44.23	95.00'
TLE1407	313+00.00	95.00'
TLE1408	315+00.00	130.00'
TLE1409	317+75.00	109.27'
TLE1410	47+00.00 HM	41.20'
TLE1411	319+79.94	86.87'
TLE1412	321+00.00	90.00'
TLE1413	323+43.18	70.00'
TLE1414	326+50.00	70.00'
TLE1415	328+00.00	60.00'
TLE1416	328+40.18	60.00'
TLE1417	327+54.88	71.90'
TLE1418	326+00.00	75.00'
TLE1419	322+00.00	70.00'
TLE1420	319+00.00	80.00'
TLE1421	317+00.00	75.00'
TLE1422	314+00.00	75.00'
TLE1423	310+44.23	75.00'
TLE1424	309+85.00	75.00'
TLE1425	309+75.00	110.00'
TLE1426	309+55.00	115.00'
TLE1427	309+10.00	75.00'
TLE1428	304+76.82	75.00'

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 1/15/21
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION (SW - MADISON)
SIGNATURE: Cory Schlagel DATE: 2/16/2021
PRINT NAME: CORY SCHLAGEL

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5459223.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT # 5696524
02/19/2021 11:23 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:
The above recording information verifies that this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1693-05-22-4.14
AMENDMENT NO: 1

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W AC. OR S.F NEW	R/W AC. OR S.F EXISTING	R/W AC. OR S.F REQUIRED TOTAL	TLE AC. OR S.F.
43	DANE COUNTY	FEE,TLE	0.171	0.893	1.064	0.131
62	DENNIS E. HIMSEL	FEE,TLE	2.653	2.652	5.305	0.719
63	JOHN A. & JENNIFER M. ROWLEY	FEE,TLE	0.007	0.317	0.324	0.025
64	TERESA K. & RAYMOND M. COBB	FEE,TLE	0.079	0.172	0.251	0.070
66	WAYNE J. & DONNA R. BACK	FEE,TLE	0.235	0.415	0.650	0.099
67	THE BRUCE COMPANY OF WISCONSIN, INC.	FEE,TLE	0.800	0.660	1.460	0.180

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	ALLIANT ENERGY-ELECTRIC	RELEASE OF RIGHTS
111	TDS TELECOM	RELEASE OF RIGHTS

NOTE: ALL AREAS SHOWN ARE IN ACRES UNLESS OTHERWISE NOTED

TRANSPORTATION PROJECT PLAT NO: 1693-05-22-4.14 AMENDMENT NO. 1

AMENDS UTILITY NUMBER 100 AND REMOVES UTILITY NUMBER 102 OF TRANSPORTATION PROJECT PLAT NO. 1693-05-22-4.14 RECORDED AS DOCUMENT NO. 5464331 AT THE DANE COUNTY REGISTER OF DEEDS.

THAT PART OF LOT 2 OF CSM 2106 IN THE SW1/4 OF THE SW1/4 AND THAT PART OF LOTS 1 & 2 OF CSM 2906 IN THE SW1/4 OF THE SW1/4 AND OTHER LANDS IN THE SW1/4 OF THE SW1/4, AND THAT PART OF THE SE1/4 OF THE SW1/4, OF SECTION 3 AND THAT PART OF THE NE1/4 OF THE NW1/4, OF SECTION 10, ALL IN TOWN 5 NORTH, RANGE 8 EAST, TOWN OF MONTROSE, DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 69 NEW GLARUS - VERONA (CTH D TO VALLEY ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT 403, CSM 2106, CSM 2906, PLAT OF SURVEY BY: BRUCE BOWDEN DATED: 1/25/13, & PLAT OF SURVEY BY: BRUCE BOWDEN DATED: 5/29/13.

EXISTING HIGHWAY RIGHT-OF-WAY FOR HIMSEL ROAD ESTABLISHED FROM CSM 2106 & EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR PAOLI ROAD ESTABLISHED FROM PLAT OF SURVEY BY: BRUCE BOWDEN DATED: 6/23/98, PLAT OF SURVEY BY: BRUCE BOWDEN DATED: 1/25/13 & SECTION LINE.

EXISTING ACCESS CONTROL FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT: 1690-00-29

EXISTING ACCESS CONTROL FOR HIMSEL ROAD ESTABLISHED FROM CSM 2106.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 3/4" REBAR UNLESS OTHERWISE NOTED.

FILE NAME : S:\MAD\1000--1099\1089\418\ACAD\CIVIL3D\RW\040112_RP-040116_RP.DWG
APPRAISAL PLAT DATE : 1/15/21
PLOT DATE : 1/15/2021 9:02 AM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : **********
STH 69 1693-05-22-4.14 AMEND. 1

TRANSPORTATION PROJECT PLAT NO: 1693-05-22 - 4.15

THAT PART OF THE NW1/4 OF THE SW1/4 AND THAT PART OF THE SW1/4 OF THE NW1/4 OF SECTION 3 AND THAT PART OF THE NE1/4 OF THE SE1/4 AND THAT PART OF THE SE1/4 OF THE NE1/4 OF SECTION 4 , ALL IN TOWN 5 NORTH, RANGE 8 EAST, TOWN OF MONTROSE, DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 69 NEW GLARUS - VERONA (CTH D TO VALLEY ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 12/12/18
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION (SW - MADISON)
SIGNATURE: Cory Schlagel DATE: 1/9/19
PRINT NAME: CORY SCHLAGEL

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS
DOCUMENT # 5464332
01/09/2019 09:03 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1693-05-22 -4.15
AMENDMENT NO:___

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5459223.

GN

SCALE, FEET
0 100 200

FOUND ALUMINUM MONUMENT
Y= 429,953.123
X= 778,576.854

FOUND SURVEY SPIKE
Y= 432,583.028
X= 778,582.005
STA. 343+59.39/72.29' LT
STA. 49+28.20 SC/46.17' RT

FOUND SURVEY SPIKE
Y= 432,615.530
X= 775,882.960

S89°18'36"E, 2361.77'
CTR. OTR. COR. TO TRAV.

NE-SE

TOWN

SE-NE

SW-NW

NW-SW

OF

MONTROSE

SCHALLER RD.

STH 69

SUGAR RIVER

N0°06'36"E 1314.96' SEC. COR. TO 1/16TH LINE

N0°06'36"E, 1272.35' 1/16TH LINE TO R/W

N0°06'36"E, 42.60' R/W OTR. COR.

S89°29'41"E, 8.10' OTR. COR. TO TAN.

S89°29'41"E 149.17' TAN. TO R/W

N0°18'06"E 2.39' R TO OTR. LINE

N0°18'06"E 30.61' R/W TO R

N0°18'06"E 33.00' OTR. LINE TO R/W

N84°30'54"W 101.46'

OTR. LINE = R STA. 47+27.25 SC

N89°02'18"W 237.98'

N87°10'57"E 145.78'
PC: 46+83.99 SC

S89°18'36"E, 184.08' TRAV. TO TAN.

N69°21'21"E 166.98'

N13°17'19"W 242.46'

S89°18'36"E, 153.29' TAN. TO OTR. COR.
PT: 48+75.52 SC

N72°22'26"E R

N28°43'03"W 524.28'

STA. 49+41.80 SC

PI: 343+65.37

DETAIL 1

N5°29'44"W, 1.61' ALONG TAN. P.I. TO OTR. LINE

PLAT OF SURVEY BY: BRUCE BOWDEN DATED:6/23/98

S89°22'05"E, 786.03' SEC. LINE TO R/W

STA. 328+01.38

N89°22'05"W, 515.54' R TO R/W

SEE SHEET 1693-05-22-4.14

N89°22'05"W, 401.71' 1/16TH COR. TO R/W

COMPUTED BY 1/16TH COR. INTERSECTION
Y= 431,253.482
X= 779,902.308

N5°22'57"W 606.17'

PI: 348+99.41

N5°29'44"W R

N0°38'29"W 399.77'

S89°10'48"E, 73.44' R/W TO R

S89°10'48"E, 77.42' R TO SEC. LINE

S1°51'13"E, 1231.09' SEC. COR TO TRAV.

S89°12'03"E, 22.17' SEC. LINE TO R/W

N1°51'13"W, 1338.20' OTR. COR TO TRAV.

S0°24'36"E 485.86'

S13°37'53"E 389.44'

N5°29'44"W, 425.33' ALONG TAN. SEC. LINE TO P.T.

N5°29'44"W, 127.33' ALONG TAN. OTR. LINE TO SEC. LINE

STA. 344+06.11 = STA. 50+00.00 SC
Y = 432650.682
X = 778635.745

S19°23'48"E 188.24'

S19°23'48"E 29.73'

S24°40'27"E 362.97'

S12°05'59"E 91.83'

S32°15'27"E 436.11'

N57°44'33"E 25.00'

S34°32'53"E 89.82'

N50°22'52"W 64.30'

N32°15'27"W 250.00'

N20°56'51"W 127.48'

N37°58'05"W 201.00'

N28°26'37"W 75.17'

N32°15'27"W 266.29'

N32°15'27"W R

S31°42'43"E 525.02'

S2°20'16"E 297.08'

N89°29'41"W, 2478.15' CTR. QTR. COR. TO R/W

STA. 343+34.05

STA. 356+91.61

SEE SHEET 1693-05-22-4.16

FOUND BROKEN BERNTSEN MONUMENT
Y= 435,150.968
X= 778,498.794

TLE-SLOPES 0.455 AC. (69)
TLE-SLOPES 0.123 AC. (68)
TLE-SLOPES 0.002 AC. (67)
TLE-SLOPES 0.065 AC. (68)
TLE-SLOPES 0.096 AC. (66)
TLE-SLOPES 1.084 AC. (67)
TLE-SLOPES 1.739 AC. (67)
TLE-SLOPES 0.049 AC. (43)

(100) ALLIANT ENERGY-ELECTRIC (WP&L BLANKET EASE.) ENTIRE NE¼ SEC. 4 WEST OF HIGHWAY DOC. 463933, V.71, P.442 PARCEL 69

(100) ALLIANT ENERGY-ELECTRIC (WP&L BLANKET EASE.) N1/2-SW¼ & SW1/4-SW¼ WEST OF HIGHWAY DOC.463664, V.71, P.447 PARCELS 66 & 68

(102) FRONTIER COMMUNICATIONS (GENERAL TELEPHONE EASE.) DOC. 1259723, V.161, P.402 PARCEL 68

(111) TDS TELECOM EASE. DOC. 391123 PARCEL 69

(111) TDS TELECOM EASE. DOC. 389468 PARCEL 67

(111) TDS TELECOM NO RECORDED EASEMENT PARCEL 68

PLAT OF SURVEY BY: BRUCE BOWDEN DATED: 5/29/13

POINT #	STATION	OFFSET
1501	46+00.00 SC	35.39'
1502	47+50.00 SC	40.00'
1503	344+65.00	75.00'
1504	347+00.00	75.00'
1505	353+00.00	65.00'
1506	356+99.69	72.99'
1509	356+80.67	98.99'
1510	353+84.04	82.63'
1511	348+99.41	48.01'
1512	345+00.00	70.00'
1513	343+05.71	75.56'
1514	342+75.00	75.00'
1515	339+00.00	70.00'
1516	338+11.11	40.00'
1517	333+75.00	40.00'
1518	333+75.00	65.00'
1519	328+50.00	60.00'
1520	327+60.26	63.59'
1522	328+33.71	50.00'
1523	331+00.00	50.00'
1524	333+00.00	70.00'
1525	333+75.00	65.00'
1526	335+00.00	40.00'
1527	337+50.00	40.00'
1528	338+11.11	60.00'
1529	343+20.00	85.00'
1530	47+00.00 SC	40.00'
1531	46+00.00 SC	30.61'

POINT #	STATION	OFFSET
TLE1500	344+64.62	80.00'
TLE1501	347+00.00	80.00'
TLE1502	351+00.00	75.00'
TLE1503	355+00.00	105.00'
TLE1504	357+02.42	97.64'
TLE1505	356+76.74	116.47'
TLE1506	354+00.00	100.00'
TLE1507	352+20.00	95.00'
TLE1508	352+20.00	125.00'
TLE1509	351+50.00	125.00'
TLE1510	351+50.00	85.00'
TLE1511	348+99.41	65.00'
TLE1512	345+00.00	75.00'
TLE1513	343+55.98	80.00'
TLE1514	342+30.00	90.00'
TLE1515	339+00.00	80.00'
TLE1516	335+22.75	50.00'
TLE1517	335+29.30	50.00'
TLE1518	334+82.64	126.48'
TLE1519	333+75.00	80.00'
TLE1520	328+50.00	70.00'
TLE1521	327+54.88	71.90'
TLE1522	328+40.18	60.00'
TLE1523	331+00.00	60.00'
TLE1524	333+00.00	90.00'
TLE1525	336+02.48	39.99'
TLE1526	338+11.11	65.00'
TLE1527	341+00.00	70.00'

PI STA = 343+65.37
Y = 432581.353
X = 778590.151
DELTA = 26°45'43" RT
D = 2°27'33"
T = 554.27'
L = 1088.31'
R = 2330.00'
PC STA = 338+11.11
PT STA = 348+99.41

PI STA = 47+80.54 SC
Y = 432583.751
X = 778425.085
DELTA = 17°55'40" LT
D = 9°21'37"
T = 96.55'
L = 191.53'
R = 612.11'
PC STA = 46+83.99 SC
PT STA = 48+75.52 SC

FOUND BRASS CAP
Y= 432,559.790
X= 781,217.210

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W AC. OR S.F REQUIRED NEW	EXISTING	TOTAL	TLE AC. OR S.F.
43	DANE COUNTY	TLE	---	---	---	0.049
66	WAYNE J. & DONNA R. BACK	FEE,TLE	0.140	0.328	0.468	0.096
67	THE BRUCE COMPANY OF WISCONSIN, INC.	FEE,TLE	1.741	1.993	3.734	1.084
68	PRAIRIELAND DAIRY, LLC.	FEE,TLE	0.465	1.111	1.576	0.188
69	DONALD P. & KATHRYN A. SCHALLER	FEE,TLE	1.931	1.168	3.099	0.455

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	ALLIANT ENERGY-ELECTRIC	RELEASE OF RIGHTS
102	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
111	TDS TELECOM	RELEASE OF RIGHTS

NOTE: ALL AREAS SHOWN ARE IN ACRES UNLESS OTHERWISE NOTED

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT 403, PLAT OF SURVEY BY: BRUCE BOWDEN DATED: 6/23/98, & PLAT OF SURVEY BY: BRUCE BOWDEN DATED: 5/29/13.

EXISTING HIGHWAY RIGHT-OF-WAY FOR SCHALLER ROAD ESTABLISHED FROM QUARTER SECTION LINE.

EXISTING ACCESS CONTROL FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT: 1690-00-29.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 3/4" REBAR UNLESS OTHERWISE NOTED.

SHEET LOCATION

T5N R7E | T6N R8E | T5N R8E | T4N R9E

MONTROSE
VERONA
Paoli
Belleville
Brooklyn
Oregon
Evansville
Janesville
Madison
Fitchburg
Middleton
Monona
Waunakee
Sun Prairie
Stoughton
Cottage Grove
Deerfield
Cambridge
Lake Mills
Fort Atkinson
Jefferson
Watertown
Waterloo
Marshall
Columbus
Portage
Baraboo
Reedsburg
Sauk City
Prairie du Sac
Black Earth
Mazomanie
Arena
Spring Green
Dodgeville
Mineral Point
Barneveld
Blue Mounds
Verona Rd
State Trail
Sugar River

FILE NAME : S:\MAD\1000--1099\1089\418\ACAD\CIVIL3D\RW\040112_RP-040116_RP.DWG
APPRAISAL PLAT DATE : 12/12/18
PLOT DATE : 12/12/2018 10:23 AM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : **********
STH 69 1693-05-22 -4.15

TRANSPORTATION PROJECT PLAT NO: 1693-05-22 - 4.16 AMENDMENT NO. 1

ADDS PARCEL NUMBERS 269 & 271 AND AMENDS UTILITY NUMBERS 100 & 111 OF TRANSPORTATION PROJECT PLAT NO. 1693-05-22-4.16 RECORDED AS DOCUMENT NO. 5464719 AT THE DANE COUNTY REGISTER OF DEEDS.

THAT PART OF THE NE1/4 OF THE NE1/4 OF SECTION 4, AND THAT PART OF THE NW1/4 OF THE NW1/4 OF SECTION 3, TOWN 5 NORTH, RANGE 8 EAST, IN THE TOWN OF MONTROSE, AND THAT PART OF SE1/4 OF THE SE1/4 OF SECTION 33 AND THAT PART OF THE SW1/4 OF THE SW1/4 OF SECTION 34, TOWN 6 NORTH, RANGE 8 EAST, TOWN OF VERONA, ALL IN DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 69 NEW GLARUS - VERONA (CTH D TO VALLEY ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 2/11/21
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION <SW - MADISON>
SIGNATURE: Cory Schlagel DATE: 2/16/2021
PRINT NAME: CORY SCHLAGEL

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5696525
02/19/2021 11:24 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:
The above recording information verifies that this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1693-05-22-4.16
AMENDMENT NO: 1

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5459223.

GN

SCALE, FEET
0 100 200

PI STA = 373+78.32
Y = 435600.586
X = 778299.664
DELTA = 6°49'50" RT
D = 0°52'53"
T = 387.91'
L = 774.90'
R = 6500.00'
PC STA = 369+90.41
PT STA = 377+65.31

FOUND 1" IRON PIPE
Y= 435,154.374
X= 778,287.263

FOUND STEEL AXLE
Y= 435,154.374
X= 778,287.263
STA. 369+35.35/ 55.08' LT

TOWN OF MONTROSE
TOWN OF VERONA
S89°23'52"E, 2367.30' OTR. COR. TO PROPOSED R/W

TOWN OF MONTROSE
NE-NE
SE-SE
NW-NW
SW-SW
TOWN OF VERONA

STA. 356+19.61

SEE SHEET 1693-05-22-4.15

N3°13'41"W 93.03'
S89°23'52"E, 56.25' PROPOSED R/W TO EXISTING R/W
S89°23'52"E, 15.40' EXISTING R/W TO SEC. COR.
STA. 369+29.15
S89°04'39"E, 55.43' SEC. COR. TO ℄
S89°04'39"E, 83.45' ℄ TO R/W
N6°38'29"W 100.33'
N89°10'48"W 73.44' ℄ TO R/W
N89°10'48"W 77.42' SEC. LINE TO ℄
N89°12'03"W 22.17' R/W TO SEC. LINE
N1°51'13"W, 1338.20' OTR. COR TO TRAV.
N16°13'47"W 305.04'
N05°04'50"W 250.31'
N05°29'44"W 500.00'
N05°29'44"W ℄
S1°51'13"E, 933.23' R/W TO TRAV.
S02°20'16"E 730.54'
S1°51'13"E, 297.86' SEC. COR. TO R/W
N3°13'41"W 210.14'
N7°02'55"E 359.84'
N1°18'30"E 759.91'
N01°20'06"E ℄
S01°09'23"W 672.19'
S02°27'17"E 495.58'
N1°24'33"E, 1327.19' SEC. COR TO TRAV.
S89°04'39"E, 72.68' R/W TO SEC. COR.
S17°31'51"E 204.51'
S89°22'07"E, 54.61' R/W TO SEC. LINE
S1°24'33"W, 1327.19' OTR. COR TO TRAV.
S89°17'06"E, 0.28' SEC. LINE TO ℄
S89°17'06"E, 50.39' ℄ TO R/W
N89°17'06"W, 50.39' ℄ TO R/W
N89°05'29"W, 2414.30' OTR. COR. TO SEC. COR.
S1°51'13"E, 297.86' SEC. COR. TO R/W

P.L.
370 dist
PC: 369+90.41
PT: 377+65.31
375 P.L.
380
49.5'
49.5'
365
360
66'
78.28'
126.23'

CURVE 1
R=1399.39'
L=89.94'
LC=89.92'
LCB=S15° 41' 23"E

CURVE 2
R=1465.39'
L=388.57'
LC=387.43'
LCB=S9° 56' 04"E

TLE-SLOPES 0.331 AC
TLE-SLOPES 0.121 AC
TLE-SLOPES 0.465 AC
TLE-SLOPES 0.292 AC
TLE-SLOPES 0.428 AC
0.175 AC
0.183 AC

TLE1602
TLE1603
TLE1604
TLE1605
TLE1606
TLE1607
TLE1608
TLE1609
TLE1610
TLE1611
TLE1612
TLE1613
TLE1614
TLE1615

SUGAR RIVER

STH 69

FOUND SURVEY SPIKE
Y= 432,583.028
X= 778,582.005
STA. 343+59.39/72.29' LT
STA. 49+28.20 SC/48.17' RT

1/16TH LINE

FOUND BROKEN BERNTSEN MONUMENT
Y= 435,150.968
X= 778,498.794
STA. 369+11.70/155.16' RT

FOUND ALUMINUM MONUMENT
Y= 435,112.084
X= 781,201.830

FOUND ALUMINUM MONUMENT
Y= 437,807.950
X= 778,352.536

STA. 382+58.21

SHEET LOCATION

(100) ALLIANT ENERGY-ELECTRIC (WP&L BLANKET EASE.) ENTIRE NE¼ SEC. 4 WEST OF HIGHWAY DOC. 463933, V.71, P.442 PARCELS 69 & 269

(100) ALLIANT ENERGY-ELECTRIC (WP&L BLANKET EASE.) SE1/4-SE¼ WEST OF HIGHWAY DOC. 463933, V.71, P.442 PARCEL 71 & 271

(100) ALLIANT ENERGY-ELECTRIC (VERONA LIGHT AND POWER EASE.) ON JOHN MILLER PROPERTY NO LOCATION GIVEN DOC. 520753, V.93, P.304 PARCEL 71 & 271

(111) TDS TELECOM EASE. DOC. 3917123 PARCEL 69 & 269

(111) TDS TELECOM EASE. DOC. 3917122 PARCEL 71 & 271

(111) TDS TELECOM EASE. NO RECORDED EASEMENT PARCEL 71 & 271

COURSE	BEARING	DISTANCE
1620-1600	N 5°04'50" W	386.69'
1600-1601	N 5°04'50" W	53.43'
1601-1602	N 2°08'14" W	514.65'

POINT #	STATION	OFFSET
1600	369+36.98	70.39'
1601	369+90.41	70.00'
1602	375+00.00	60.00'
1603	382+57.54	54.89'
1605	382+58.76	50.38'
1606	375+85.16	50.00'
1608	370+85.62	50.00'
1609	369+96.44	66.60'
1610	367+96.37	109.25'
1611	364+10.10	139.23'
1612	356+80.67	98.99'
1615	356+99.69	72.99'
1616	358+00.00	75.00'
1617	363+00.00	75.00'
1620	365+50.00	73.19'
1621	368+50.00	130.00'
1622	369+42.96	126.32'
1623	371+50.00	120.00'

POINT #	STATION	OFFSET
TLE1602	375+00.23	70.00'
TLE1603	382+57.47	60.72'
TLE1604	382+58.91	64.71'
TLE1605	381+97.47	65.57'
TLE1606	374+50.00	60.00'
TLE1607	371+75.00	65.00'
TLE1608	369+90.41	85.00'
TLE1609	367+00.00	155.00'
TLE1610	365+00.00	165.00'
TLE1611	356+78.74	116.47'
TLE1612	357+02.42	97.64'
TLE1613	357+75.00	95.00'
TLE1614	360+00.00	85.00'
TLE1615	363+00.00	85.00'

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT 403.

EXISTING ACCESS CONTROL FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT 1690-00-29.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W AC. OR S.F NEW	EXISTING	REQUIRED TOTAL	TLE AC. OR S.F.
43	DANE COUNTY	FEE,TLE	0.358	2.025	2.383	0.893
69	DONALD P. & KATHRYN A. SCHALLER	FEE,TLE	3.649	1.520	5.169	0.452
71	JOHN R. MILLER	FEE,TLE	0.425	0.979	1.404	0.292
269	DONALD P. & KATHRYN A. SCHALLER	FEE	0.322	---	0.322	---
271	JOHN R. MILLER	FEE	0.505	---	0.505	---

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	ALLIANT ENERGY-ELECTRIC	RELEASE OF RIGHTS
111	TDS TELECOM	RELEASE OF RIGHTS

NOTE: ALL AREAS SHOWN ARE IN ACRES UNLESS OTHERWISE NOTED

TRANSPORTATION PROJECT PLAT NO: 1693-05-22 - 4.17 AMENDMENT NO. 1

AMENDS UTILITY NUMBER 100 OF TRANSPORTATION PROJECT PLAT NO. 1693-05-22-4.17 RECORDED AS DOCUMENT NO. 5464721 AT THE DANE COUNTY REGISTER OF DEEDS.

THAT PART OF LOTS 1 & 2 OF CSM 2604 IN THE SE1/4 OF THE NE1/4 AND OTHER LANDS IN THE SE1/4 OF THE NE1/4 OF SECTION 33, AND THAT PART OF THE NE1/4 OF THE SE1/4 OF SECTION 33 , AND THAT PART OF THE NW1/4 OF THE SW1/4, AND THAT PART OF THE SW1/4 OF THE NW1/4 OF SECTION 34, ALL IN TOWN 6 NORTH, RANGE 8 EAST, TOWN OF VERONA, DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 69 NEW GLARUS - VERONA (CTH D TO VALLEY ROAD) DANE COUNTY

SCALE, FEET
0 100 200

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W AC. OR S.F REQUIRED NEW	EXISTING	TOTAL	TLE AC. OR S.F.
43	DANE COUNTY	FEE,TLE	0.317	1.054	1.371	0.633
71	JOHN R. MILLER	FEE,TLE	3.499	2.902	6.401	0.854
72	LB LAND INVESTMENTS, INC.	FEE,TLE	0.489	0.868	1.357	0.092
73	JAMES T. & NANCY K. COONS	TLE	---	---	---	0.043
74	BRIAN J. MILLER	FEE,TLE	0.084	0.491	0.575	0.068
76	STEWART E. & JAMIE LYNN WILLIAMS	FEE,TLE	0.012	0.049	0.061	0.010

NOTE: ALL AREAS SHOWN ARE IN ACRES UNLESS OTHERWISE NOTED

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	ALLIANT ENERGY-ELECTRIC	RELEASE OF RIGHTS
111	TDS TELECOM	RELEASE OF RIGHTS

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECTS 403 & 1693-02-22, & CSM 2604.

EXISTING HIGHWAY RIGHT-OF-WAY FOR SUNSET DRIVE ESTABLISHED FROM QUARTER SECTION LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR LOCUST DRIVE ESTABLISHED FROM PREVIOUS PROJECT: 403 AND CSM 2604

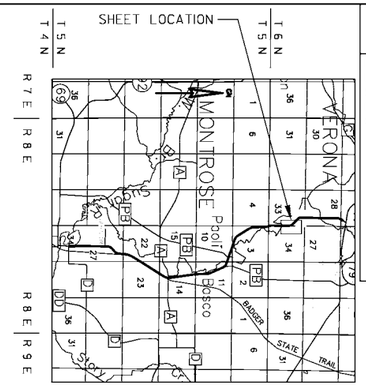
EXISTING ACCESS CONTROL FOR STH 69, SUNSET DRIVE, & LOCUST DRIVE ESTABLISHED FROM PREVIOUS PROJECT 1690-00-29.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 3/4" REBAR UNLESS OTHERWISE NOTED.

SHEET LOCATION



STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 1/15/21
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
<SW - MADISON>
SIGNATURE: Cory Schlagel DATE: 2/16/2021
PRINT NAME: CORY SCHLAGEL

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5696528
02/19/2021 11:24 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:
The above recording information verifies that this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1693-05-22-4.17
AMENDMENT NO: 1

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5459223.

POINT #	STATION	OFFSET
1700	395+93.17	69.84'
1701	397+00.00	65.00'
1702	401+00.00	70.00'
1703	404+00.00	70.00'
1704	407+65.89	50.65'
1705	412+25.13	130.75'
1706	412+38.24	133.67'
1708	410+83.11	50.00'
1709	407+65.38	50.00'
1710	405+00.00	85.00'
1711	403+00.00	120.00'
1712	402+00.45	115.01'
1713	52+54.14 L	40.33'
1714	53+52.18 L	65.94'
1715	54+91.58 L	60.85'
1716	56+76.66 L	32.89'
1718	56+50.99 L	32.76'
1719	55+25.00 L	30.00'
1720	53+99.26 L	35.00'
1721	52+54.14 L	50.00'
1722	51+94.44 L	55.44'
1723	398+87.57	101.19'
1724	396+39.04	104.66'
1725	52+57.54 SU	65.00'
1726	53+07.82 SU	37.31'
1728	53+12.00 SU	28.60'
1729	51+35.81 SU	32.45'
1730	395+00.00	95.00'
1731	391+50.03	65.08'
1732	386+24.66	65.90'
1733	382+58.76	50.38'
1736	382+57.54	54.89'
1737	385+00.00	55.00'
1738	386+24.46	60.10'
1739	390+24.46	60.72'
1740	393+57.60	60.00'

POINT #	STATION	OFFSET
TLE1700	397+00.00	80.00'
TLE1701	401+00.00	85.00'
TLE1702	404+00.00	85.00'
TLE1703	407+65.89	55.00'
TLE1704	411+45.36	120.00'
TLE1705	412+40.03	136.04'
TLE1706	410+77.05	56.80'
TLE1707	407+65.38	65.00'
TLE1708	405+00.00	90.00'
TLE1709	403+00.00	125.00'
TLE1710	402+08.35	130.00'
TLE1711	53+51.94 L	86.01'
TLE1712	54+15.72 L	92.85'
TLE1713	54+17.98 L	73.03'
TLE1714	55+56.52 L	41.74'
TLE1715	55+58.95 L	56.50'
TLE1716	56+76.66 L	48.00'
TLE1717	51+67.52 L	76.22'
TLE1718	399+56.89	126.78'
TLE1719	398+87.85	119.68'
TLE1720	397+70.29	98.56'
TLE1721	396+50.25	103.76'
TLE1722	52+57.54 SU	75.00'
TLE1723	53+12.34 SU	40.00'
TLE1724	51+69.67 SU	40.00'
TLE1725	394+99.82	115.00'
TLE1727	388+00.00	70.00'
TLE1728	386+25.00	70.00'
TLE1729	382+58.91	64.71'
TLE1730	382+57.47	60.72'
TLE1731	384+00.00	60.00'
TLE1732	386+25.00	70.00'
TLE1733	390+25.00	70.00'
TLE1734	393+57.60	75.00'
TLE1735	388+00.00	65.63'
TLE1736	390+02.61	110.81'
TLE1737	389+00.18	65.47'

COURSE	BEARING	DISTANCE
1711-1712	S22° 52' 50"E	105.82'
1712-1713	N36° 29' 20"E	91.30'
1713-1714	N03° 30' 34"E	101.32'
1725-1726	S59°24'45"E	57.78'
1729-1730	S36° 55' 09"W	57.97'

(100) ALLIANT ENERGY-ELECTRIC (VERONA LIGHT AND POWER EASE.) ON JOHN MILLER PROPERTY NO LOCATION GIVEN DOC. 520753, V.93, P.304 PARCEL 71

(111) TDS TELECOM EASE. DOC. 3917122 PARCEL 71

FOUND BRASS MONUMENT
Y= 437,823.960
X= 775,734.610

FOUND ALUMINUM MONUMENT
Y= 437,807.950
X= 778,352.536
STA. 395+84.15/15.03' RT
STA. 50+15.02 SU/11.13 LT

FOUND STEEL AXLE
Y= 435,354.374
X= 778,287.263
STA. 369+35.35/ 55.08' LT

FOUND 1.25" REBAR
Y= 437,783.786
X= 781,003.825

FOUND 2" PINCHED PIPE
Y= 440,469.709
X= 778,476.818

DETAIL 1

DETAIL 2

SE-NE

NE-SE

NW-SW

SW-NW

SUGAR RIVER

VERONA

STH 69

SUNSET DRIVE

LOCUST DRIVE

CURVE 1
(1705-1706)
R=987.93'
L=14.33'
LC=14.33'
LCB=N50° 16' 57"W

CURVE 2
R=218.00'
L=153.94'
LC=150.76'
LCB=N23° 43' 02"E

PI STA = 400+95.86
Y = 438318.305
X = 778362.994
DELTA = 42°28'04" LT
D = 3°00'56"
T = 738.25'
L = 1408.28'
R = 1900.00'
PC STA = 393+57.60
PT STA = 407+65.89

PI STA = 51+89.32 L
Y = 438442.895
X = 778357.362
DELTA = 30°27'07" LT
D = 22°55'06"
T = 68.05'
L = 132.87'
R = 250.00'
PC STA = 51+21.27 L
PT STA = 52+54.14 L
BK = N48°36'09"E
AH = N18°09'02"E

PI STA = 51+22.15
Y = 437806.738
X = 778460.238
DELTA = 6°59'54" RT
D = 19°05'55"
T = 18.34'
L = 36.64'
R = 300.00'
PC STA = 51+03.81 SU
PT STA = 51+40.45 SU
BK = N84°42'42" E
AH = S88°17'24"E

PI STA = 55+26.55 L
Y = 438766.408
X = 778463.418
DELTA = 28°34'01" RT
D = 11°27'33"
T = 127.29'
L = 249.29'
R = 500.00'
PC STA = 53+99.26 L
PT STA = 56+48.55 L
BK = N18°09'02"E
AH = N46°43'03"E

PI STA = 52+82.72 SU
Y = 437801.945
X = 778620.779
DELTA = 0°29'09" RT
D = 0°57'54"
T = 25.17'
L = 50.35'
R = 5937.54'
PC STA = 52+57.54 SU
PT STA = 53+07.89 SU
BK = S86°17'24"E
AH = S87°48'15"E

FILE NAME : S:\MAD\1000--1099\1089\418\ACAD\CIVIL3D\RW\040117_RP-040121_RP.DWG PLOT DATE : 1/15/2021 9:20 AM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : 1/15/21 STH 69 1693-05-22-4.17 AMEND. 1

TRANSPORTATION PROJECT PLAT NO: 1693-05-22 - 4.18 AMENDMENT NO. 1

AMENDS UTILITY NUMBER 100 AND REMOVES UTILITY NUMBER 103 OF TRANSPORTATION PROJECT PLAT NO. 1693-05-22-4.18 RECORDED AS DOCUMENT NO. 5464723 AT THE DANE COUNTY REGISTER OF DEEDS.

THAT PART OF THE NW1/4 OF THE NE1/4, AND THAT PART OF THE NE1/4 OF THE NE1/4 OF SECTION 33, AND THAT PART OF THE SW1/4 OF THE SE1/4, AND THAT PART OF THE SE1/4 OF THE SE1/4 OF SECTION 28, ALL IN TOWN 6 NORTH, RANGE 8 EAST, TOWN OF VERONA, DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 69 NEW GLARUS - VERONA (CTH D TO VALLEY ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 1/15/21
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
(SW - MADISON)
SIGNATURE: Cory Schlagel DATE: 2/16/2021
PRINT NAME: CORY SCHLAGEL

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5459223.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5696531
02/19/2021 11:24 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:
The above recording information verifies that this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1693-05-22-4.18
AMENDMENT NO: 1

FOUND RAILROAD SPIKE
Y= 440,494.007
X= 775,833.937

PI STA = 418+85.52
Y = 439717.637
X = 777140.867
DELTA = 42°34'03" RT
D = 3°00'56"
T = 740.16'
L = 1411.59'
R = 1900.00'
PC STA = 411+45.36
PT STA = 425+56.95
BK = N41°07'58"W

(100) ALLIANT ENERGY-ELECTRIC (VERONA LIGHT AND POWER EASE.) ON JOHN MILLER PROPERTY NO LOCATION GIVEN DOC. 520753, V.93, P.304 PARCEL 71

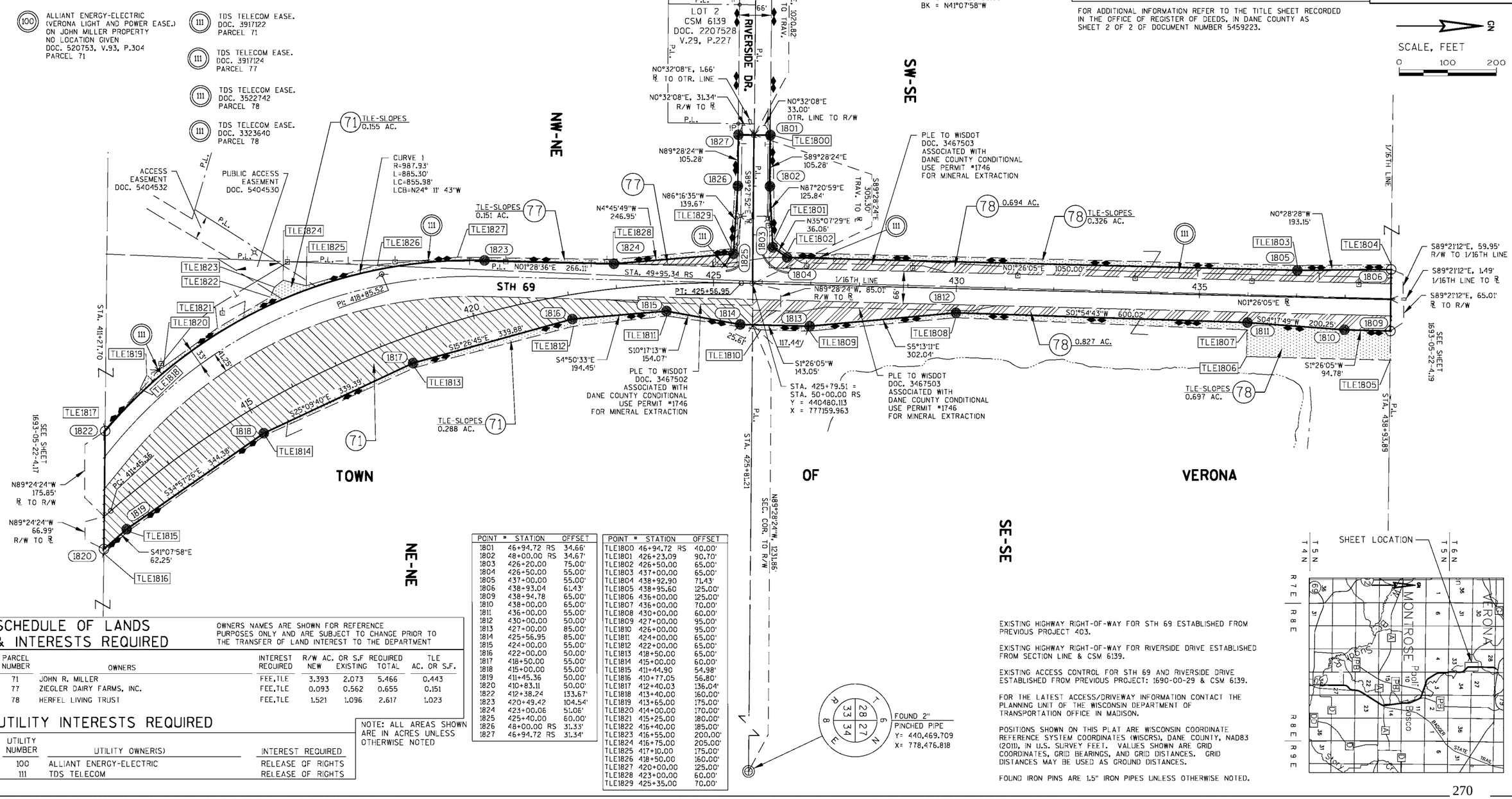
(111) TDS TELECOM EASE. DOC. 3917122 PARCEL 71

(111) TDS TELECOM EASE. DOC. 3917124 PARCEL 77

(111) TDS TELECOM EASE. DOC. 3522742 PARCEL 78

(111) TDS TELECOM EASE. DOC. 3323640 PARCEL 78

SCALE, FEET
0 100 200



SCHEDULE OF LANDS & INTERESTS REQUIRED	OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT					
PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W AC. OR S.F REQUIRED NEW	EXISTING	TOTAL	TLE AC. OR S.F.
71	JOHN R. MILLER	FEE,TLE	3.393	2.073	5.466	0.443
77	ZIEGLER DAIRY FARMS, INC.	FEE,TLE	0.093	0.562	0.655	0.151
78	HERFEL LIVING TRUST	FEE,TLE	1.521	1.096	2.617	1.023

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	ALLIANT ENERGY-ELECTRIC	RELEASE OF RIGHTS
111	TDS TELECOM	RELEASE OF RIGHTS

NOTE: ALL AREAS SHOWN ARE IN ACRES UNLESS OTHERWISE NOTED

POINT #	STATION	OFFSET
1801	46+94.72 RS	34.66'
1802	48+00.00 RS	34.67'
1803	426+20.00	75.00'
1804	426+50.00	55.00'
1805	437+00.00	55.00'
1806	438+93.04	61.43'
1809	438+94.78	65.00'
1810	438+00.00	65.00'
1811	436+00.00	55.00'
1812	430+00.00	50.00'
1813	427+00.00	85.00'
1814	425+56.95	85.00'
1815	424+00.00	55.00'
1816	422+00.00	50.00'
1817	418+50.00	55.00'
1818	415+00.00	55.00'
1819	411+45.36	50.00'
1820	410+83.11	50.00'
1822	412+38.24	133.67'
1823	420+49.42	104.54'
1824	423+00.06	51.06'
1825	425+40.00	60.00'
1826	48+00.00 RS	31.33'
1827	46+94.72 RS	31.34'

POINT #	STATION	OFFSET
TLE1800	46+94.72 RS	40.00'
TLE1801	426+23.09	90.70'
TLE1802	426+50.00	65.00'
TLE1803	437+00.00	65.00'
TLE1804	438+92.90	71.43'
TLE1805	438+95.60	125.00'
TLE1806	436+00.00	125.00'
TLE1807	436+00.00	70.00'
TLE1808	430+00.00	60.00'
TLE1809	427+00.00	95.00'
TLE1810	426+00.00	95.00'
TLE1811	424+00.00	65.00'
TLE1812	422+00.00	65.00'
TLE1813	418+50.00	65.00'
TLE1814	415+00.00	60.00'
TLE1815	411+44.90	54.98'
TLE1816	410+77.05	56.80'
TLE1817	412+40.03	136.04'
TLE1818	413+40.00	160.00'
TLE1819	413+65.00	175.00'
TLE1820	414+00.00	170.00'
TLE1821	415+25.00	180.00'
TLE1822	416+40.00	185.00'
TLE1823	416+55.00	200.00'
TLE1824	416+75.00	205.00'
TLE1825	417+10.00	175.00'
TLE1826	418+50.00	160.00'
TLE1827	420+00.00	125.00'
TLE1828	423+00.00	60.00'
TLE1829	425+35.00	70.00'

FOUND 2" PINCHED PIPE
Y= 440,469.709
X= 778,476.818

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECT 403.

EXISTING HIGHWAY RIGHT-OF-WAY FOR RIVERSIDE DRIVE ESTABLISHED FROM SECTION LINE & CSM 6139.

EXISTING ACCESS CONTROL FOR STH 69 AND RIVERSIDE DRIVE ESTABLISHED FROM PREVIOUS PROJECT: 1690-00-29 & CSM 6139.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 1.5" IRON PIPES UNLESS OTHERWISE NOTED.

SHEET LOCATION

FILE NAME : S:\MAD\1000--1099\1089\418\ACAD\CIVIL3D\RW\040117_RP-040121_RP.DWG PLOT DATE : 1/15/2021 9:24 AM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : 1/15/21 STH 69 1693-05-22-4.18 AMEND. 1

TRANSPORTATION PROJECT PLAT NO: 1693-05-22 - 4.19 AMENDMENT NO. 2

AMENDS UTILITY NUMBERS 111 & 112 AND REMOVES UTILITY NUMBER 103 OF TRANSPORTATION PROJECT PLAT NO. 1693-05-22-4.19 RECORDED AS DOCUMENT NO. 5464737 AT THE DANE COUNTY REGISTER OF DEEDS.

THAT PART OF LOT 2 OF CSM 2190 IN THE NE1/4 OF THE SE1/4, AND THAT PART OF LOT 2 OF CSM 14629 IN THE NE1/4 OF THE SE1/4, AND THAT PART OF LOT 1 OF CSM 5463 IN THE NE1/4 OF THE SE1/4 AND OTHER LANDS IN THE NE1/4 OF THE SE1/4, AND THAT PART OF THE SE1/4 OF THE NE1/4, AND THAT PART OF THE SW1/4 OF THE NE1/4, AND THAT PART OF THE NW1/4 OF THE SE1/4, ALL IN SECTION 28, TOWN 6 NORTH, RANGE 8 EAST, TOWN OF VERONA, DANE COUNTY, WISCONSIN.

RELOCATION ORDER STH 69 NEW GLARUS - VERONA (CTH D TO VALLEY ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

POINT #	STATION	OFFSET
1900	452+08.18	71.71'
1901	453+17.51	65.00'
1902	458+00.00	50.00'
1903	458+84.77	39.90'
1904	462+60.36	60.08'
1905	464+73.21	137.39'
1906	465+25.38	138.24'
1909	465+28.08	49.32'
1910	458+84.88	50.10'
1911	452+00.00	55.00'
1912	449+00.00	75.00'
1913	447+63.32	51.79'
1914	447+13.34	34.74'
1915	444+88.34	34.51'
1916	444+38.13	51.40'
1917	443+38.32	51.37'
1918	441+84.23	53.39'
1919	441+84.28	111.45'
1920	51+11.07 M	38.09'
1921	52+07.78 M	33.57'
1923	52+03.35 M	32.43'
1924	51+00.00 M	45.00'
1925	439+75.00	65.00'
1926	438+94.78	65.00'
1929	438+93.04	61.43'
1930	440+00.00	65.00'
1931	444+25.00	65.00'
1932	444+38.42	53.54'
1933	446+38.42	53.34'
1934	446+88.42	48.29'
1935	448+00.00	48.18'
1936	449+00.00	65.00'
1937	450+78.30	80.00'
1938	455+51.92	55.00'

POINT #	STATION	OFFSET
TLE1900	454+00.00	65.00'
TLE1901	458+00.00	55.00'
TLE1902	458+00.00	60.00'
TLE1903	452+00.00	65.00'
TLE1904	449+00.00	85.00'
TLE1905	448+00.00	70.00'
TLE1906	447+00.00	34.72'
TLE1907	444+00.00	51.43'
TLE1908	444+00.00	100.00'
TLE1909	442+00.00	60.00'
TLE1910	441+84.24	69.13'
TLE1911	51+11.06 M	54.72'
TLE1912	51+47.12 M	36.40'
TLE1913	51+25.21 M	58.56'
TLE1914	438+95.60	125.00'
TLE1915	438+92.90	71.43'
TLE1916	440+00.00	75.00'
TLE1917	444+25.00	75.00'
TLE1918	444+40.00	135.00'
TLE1919	444+90.00	145.00'
TLE1920	444+90.00	120.00'
TLE1921	444+70.00	90.00'
TLE1922	444+70.00	53.50'
TLE1923	447+50.00	70.00'
TLE1924	449+59.43	70.00'
TLE1925	450+78.30	100.00'
TLE1926	453+17.51	90.00'
TLE1927	440+00.00	160.00'
TLE1928	441+30.00	160.00'
TLE1929	441+30.00	75.00'

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 1/15/21
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
<SW - MADISON>
SIGNATURE: Cory Schlagel DATE: 2/16/2021
PRINT NAME: CORY SCHLAGEL

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5696532
02/19/2021 11:24 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:
The above recording information verifies that this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1693-05-22-4.19
AMENDMENT NO: 2

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5459223.

FOUND 3/4" REBAR W/CAP
Y= 443,126.605
X= 775,909.981

S89°14'03"E, 1244.23' CTR. QTR. COR. TO R/W

SCALE, FEET
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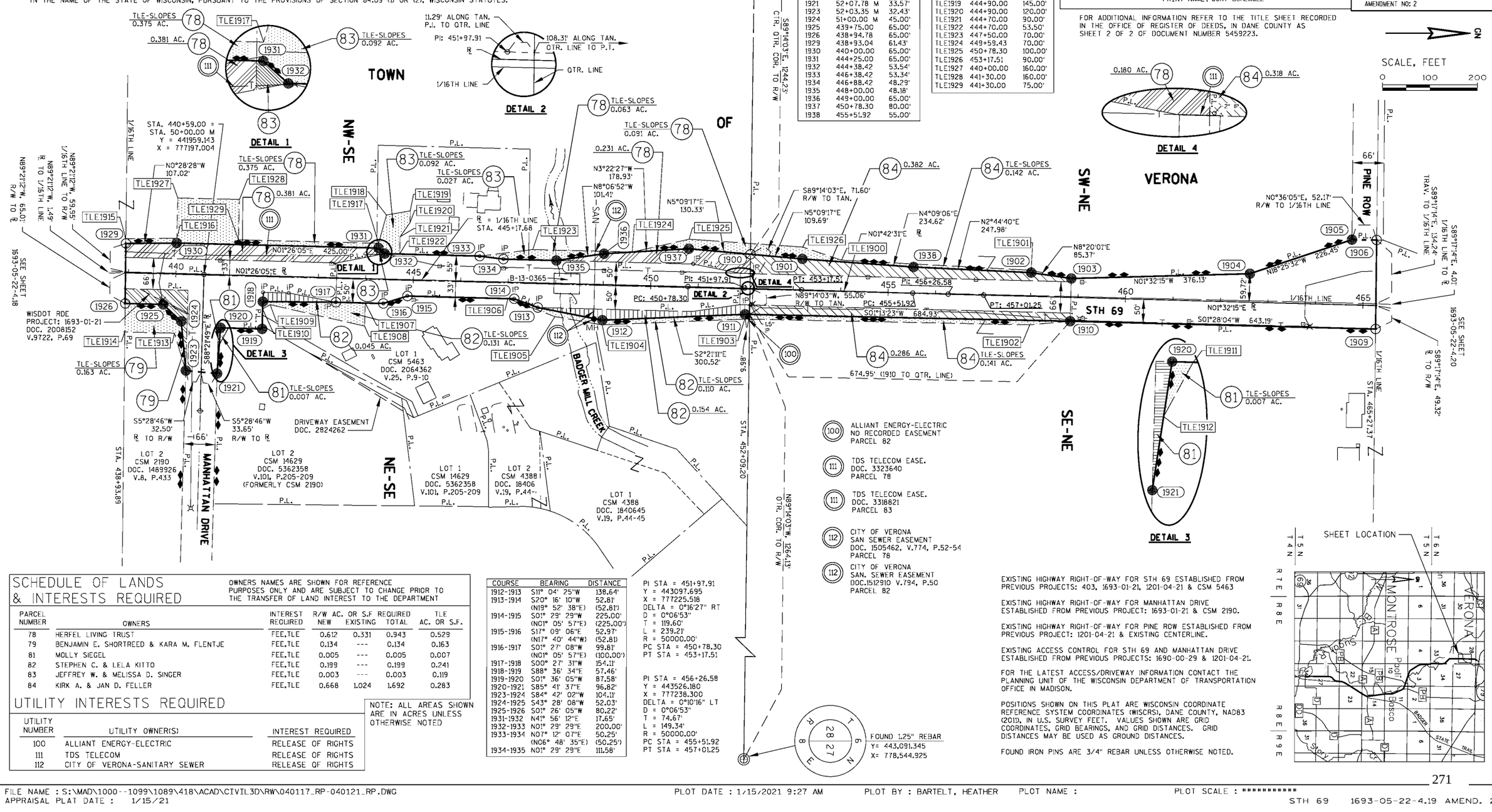


SCHEDULE OF LANDS & INTERESTS REQUIRED						
OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT						
PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W AC. OR S.F REQUIRED NEW	EXISTING	TOTAL	TLE AC. OR S.F.
78	HERFEL LIVING TRUST	FEE,TLE	0.612	0.331	0.943	0.529
79	BENJAMIN E. SHORTREED & KARA M. FLENTJE	FEE,TLE	0.134	---	0.134	0.163
81	MOLLY SIEGEL	FEE,TLE	0.005	---	0.005	0.007
82	STEPHEN C. & LELA KITTO	FEE,TLE	0.199	---	0.199	0.241
83	JEFFREY W. & MELISSA D. SINGER	FEE,TLE	0.003	---	0.003	0.119
84	KIRK A. & JAN D. FELLER	FEE,TLE	0.668	1.024	1.692	0.283

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	ALLIANT ENERGY-ELECTRIC	RELEASE OF RIGHTS
111	TDS TELECOM	RELEASE OF RIGHTS
112	CITY OF VERONA-SANITARY SEWER	RELEASE OF RIGHTS

NOTE: ALL AREAS SHOWN ARE IN ACRES UNLESS OTHERWISE NOTED

COURSE	BEARING	DISTANCE
1912-1913	S11° 04' 25"W	138.64'
1913-1914	S20° 16' 10"W	52.81'
	(N19° 52' 38"E)	(52.81')
1914-1915	S01° 29' 29"W	225.00'
	(N01° 05' 57"E)	(225.00')
1915-1916	S17° 09' 06"E	52.97'
	(N17° 40' 44"W)	(52.81)
1916-1917	S01° 27' 08"W	99.81'
	(N01° 05' 57"E)	(100.00')
1917-1918	S00° 27' 31"W	154.11'
1918-1919	S88° 36' 34"E	57.46'
1919-1920	S01° 36' 05"W	87.58'
1920-1921	S85° 41' 37"E	96.82'
1923-1924	S84° 42' 02"W	104.11'
1924-1925	S43° 28' 08"W	52.03'
1925-1926	S01° 26' 05"W	80.22'
1931-1932	N41° 56' 12"E	17.65'
1932-1933	N01° 29' 29"E	200.00'
1933-1934	N07° 12' 07"E	50.25'
	(N06° 48' 35"E)	(50.25')
1934-1935	N01° 29' 29"E	111.58'

PI STA = 451+97.91
Y = 443097.695
X = 777225.518
DELTA = 0°16'27" RT
D = 0°06'53"
T = 119.60'
L = 239.21'
R = 50000.00'
PC STA = 450+78.30
PT STA = 453+17.51

PI STA = 456+26.58
Y = 443526.180
X = 777238.300
DELTA = 0°10'16" LT
D = 0°06'53"
T = 74.67'
L = 149.34'
R = 50000.00'
PC STA = 455+51.92
PT STA = 457+01.25

FOUND 1.25" REBAR
Y= 443,091.345
X= 778,544.925

(100) ALLIANT ENERGY-ELECTRIC NO RECORDED EASEMENT PARCEL 82

(111) TDS TELECOM EASE. DOC. 3323640 PARCEL 78

(111) TDS TELECOM EASE. DOC. 3318821 PARCEL 83

(112) CITY OF VERONA SAN SEWER EASEMENT DOC. 1505462, V.774, P.52-54 PARCEL 78

(112) CITY OF VERONA SAN. SEWER EASEMENT DOC.1512910 V.794, P.50 PARCEL 82

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 69 ESTABLISHED FROM PREVIOUS PROJECTS: 403, 1693-01-21, 1201-04-21 & CSM 5463

EXISTING HIGHWAY RIGHT-OF-WAY FOR MANHATTAN DRIVE ESTABLISHED FROM PREVIOUS PROJECT: 1693-01-21 & CSM 2190.

EXISTING HIGHWAY RIGHT-OF-WAY FOR PINE ROW ESTABLISHED FROM PREVIOUS PROJECT: 1201-04-21 & EXISTING CENTERLINE.

EXISTING ACCESS CONTROL FOR STH 69 AND MANHATTAN DRIVE ESTABLISHED FROM PREVIOUS PROJECTS: 1690-00-29 & 1201-04-21.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 3/4" REBAR UNLESS OTHERWISE NOTED.

SHEET LOCATION

FILE NAME : S:\MAD\1000--1099\1089\418\ACAD\CIVIL3D\RW\040117_RP-040121_RP.DWG
APPRAISAL PLAT DATE : 1/15/21
PLOT DATE : 1/15/2021 9:27 AM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : **********
STH 69 1693-05-22-4.19 AMEND. 2

TRANSPORTATION PROJECT PLAT NO: 1693-05-22 - 4.20

THAT PART OF THE NW1/4 OF THE NE1/4 AND THAT PART OF THE NE1/4 OF THE NE1/4, IN SECTION 28, AND THAT PART OF THE SW1/4 OF THE SW1/4 AND THAT PART OF THE SE1/4 OF THE SW1/4 OF SECTION 21, ALL IN TOWN 6 NORTH, RANGE 8 EAST, TOWN OF VERONA, DANE COUNTY, WISCONSIN.

STH 69 NEW GLARUS - VERONA (CTH D TO VALLEY ROAD) DANE COUNTY

THE STATE OF WISCONSIN HAS DEEMED IT NECESSARY TO MONUMENT RIGHT-OF-WAY INTERESTS PREVIOUSLY ACQUIRED UNDER SECTIONS 82.01, 82.31(1) 82.31(2), AND 84.09 OF THE WISCONSIN STATE STATUTES AND DO HEREBY CERTIFY THE DEPARTMENT OF TRANSPORTATION HAS SURVEYED THE HIGHWAY RIGHT-OF-WAY;
THAT THIS PLAT IS AN ACCURATE SURVEY AND A TRUE REPRESENTATION THEREOF AND CORRECTLY SHOWS THE EXTERIOR BOUNDARY LINES AND CORRECT MEASUREMENT THEREOF.

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 12/12/18
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT IS APPROVED FOR
THE WISCONSIN DEPARTMENT OF TRANSPORTATION
(SW - MADISON)
SIGNATURE: Cory Schlagel DATE: 1/10/19
PRINT NAME: CORY SCHLAGEL

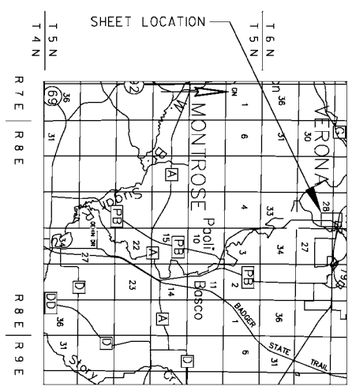
KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5464738
01/10/2019 11:18 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:

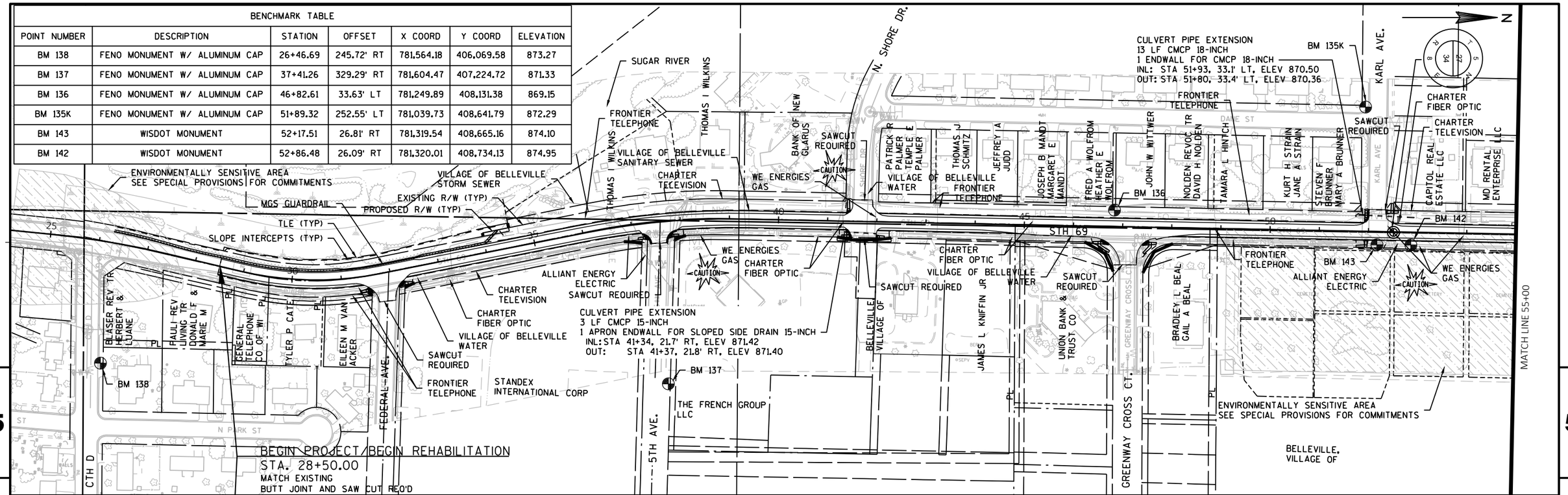
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1693-05-22-4.20
AMENDMENT NO:

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 5459223.

SHEET LOCATION

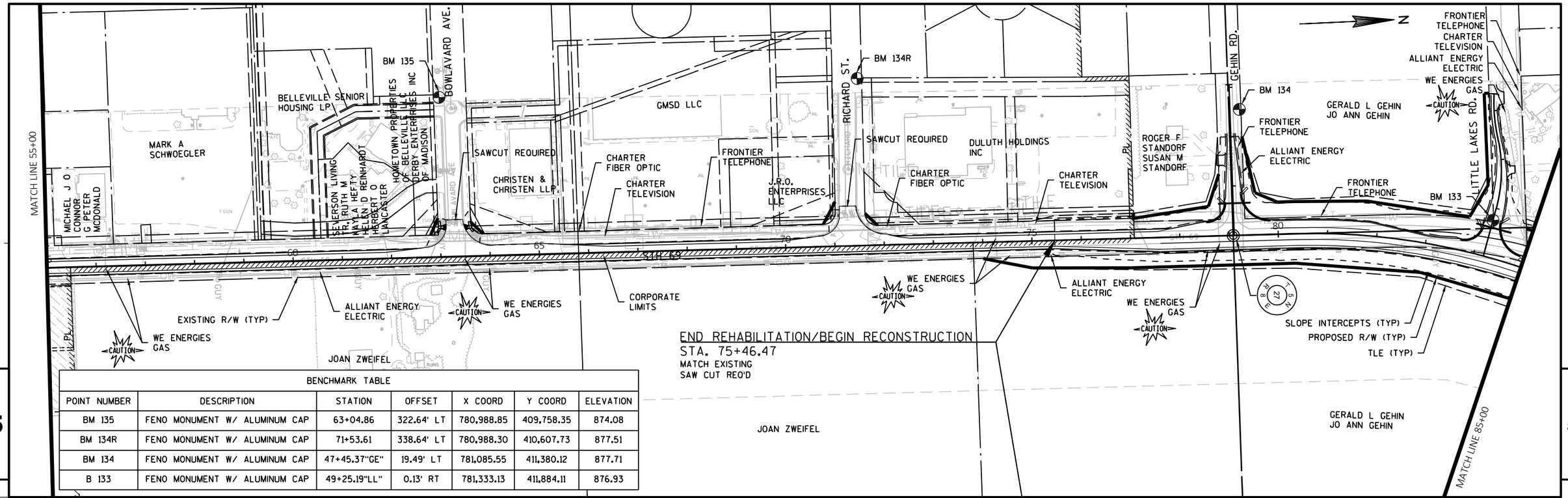

T 5 N
T 4 N
T 6 N
T 5 N
R 7 E
R 8 E
R 9 E
VERONA
MONTROSE
Paoli
Belleville
Belleville
Belleville

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 138	FENO MONUMENT W/ ALUMINUM CAP	26+46.69	245.72' RT	781,564.18	406,069.58	873.27
BM 137	FENO MONUMENT W/ ALUMINUM CAP	37+41.26	329.29' RT	781,604.47	407,224.72	871.33
BM 136	FENO MONUMENT W/ ALUMINUM CAP	46+82.61	33.63' LT	781,249.89	408,131.38	869.15
BM 135K	FENO MONUMENT W/ ALUMINUM CAP	51+89.32	252.55' LT	781,039.73	408,641.79	872.29
BM 143	WISDOT MONUMENT	52+17.51	26.81' RT	781,319.54	408,665.16	874.10
BM 142	WISDOT MONUMENT	52+86.48	26.09' RT	781,320.01	408,734.13	874.95

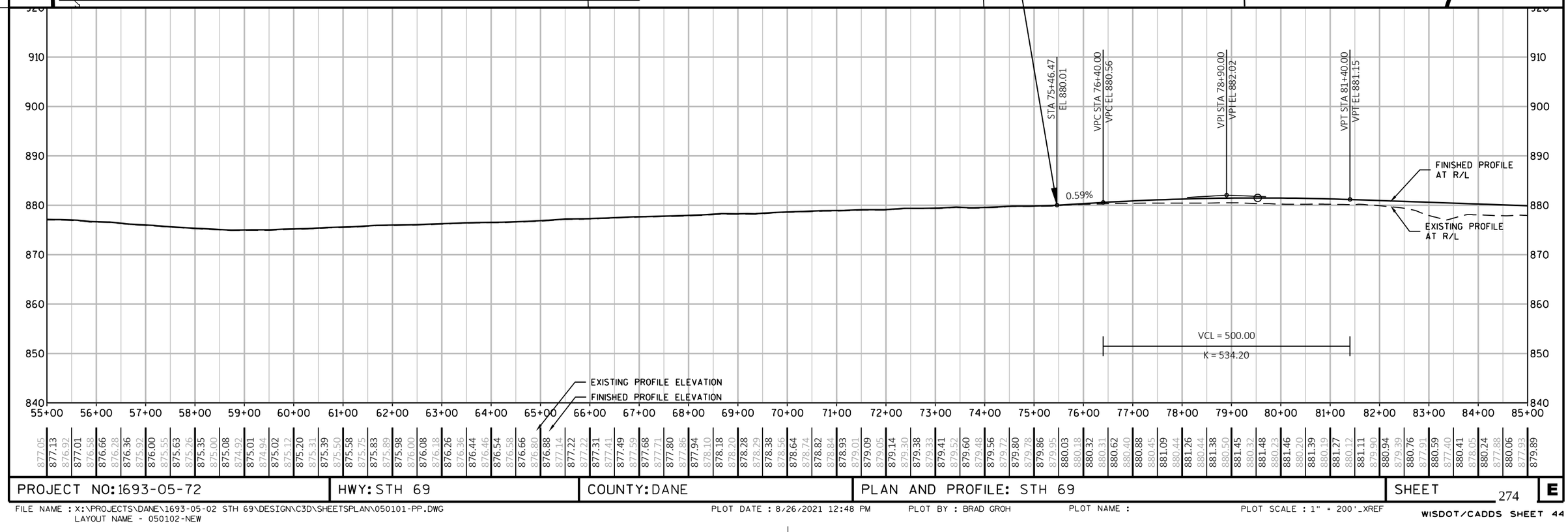


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: STH 69	SHEET 273	E

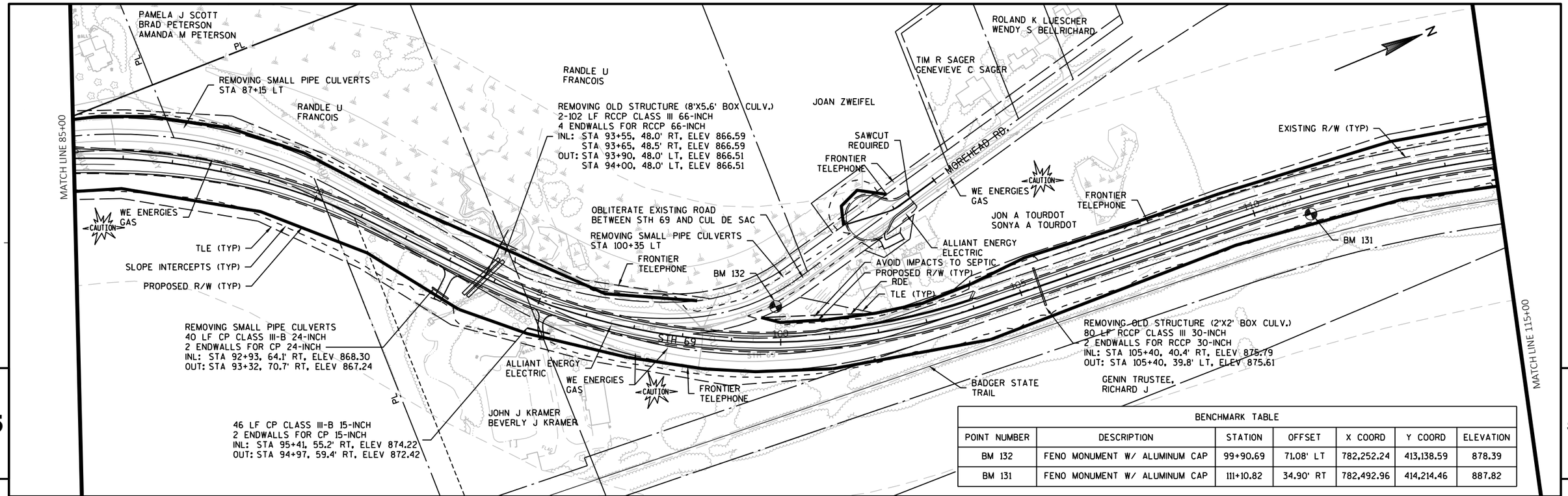
FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050101-NEW
PLOT DATE : 8/26/2021 12:48 PM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1" = 200'_XREF



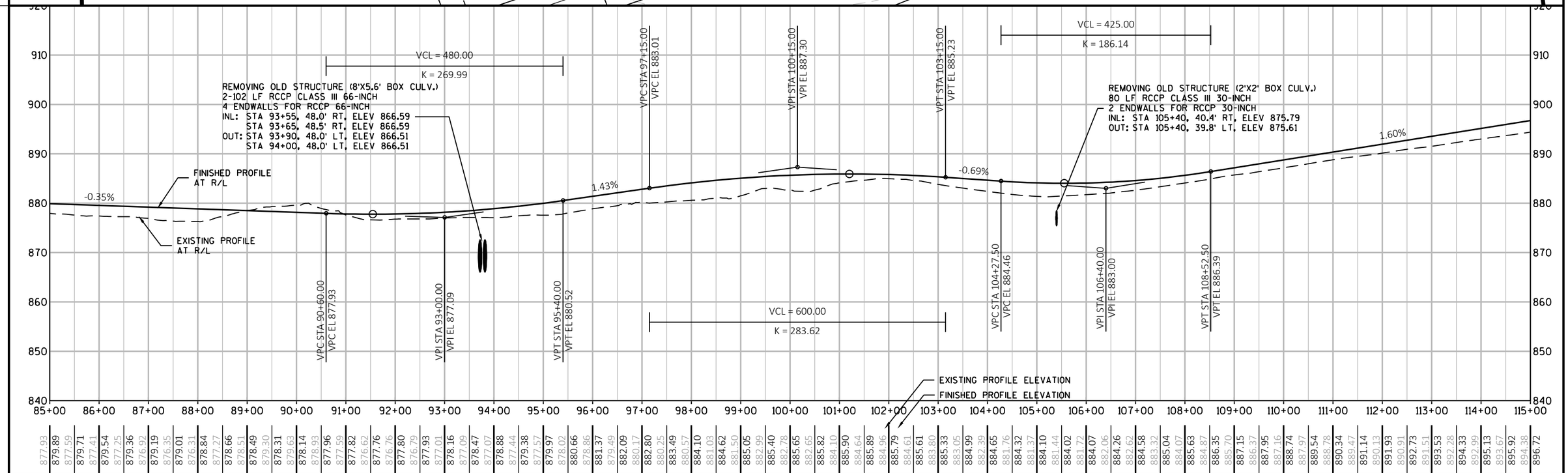
BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 135	FENO MONUMENT W/ ALUMINUM CAP	63+04.86	322.64' LT	780,988.85	409,758.35	874.08
BM 134R	FENO MONUMENT W/ ALUMINUM CAP	71+53.61	338.64' LT	780,988.30	410,607.73	877.51
BM 134	FENO MONUMENT W/ ALUMINUM CAP	47+45.37"GE"	19.49' LT	781,085.55	411,380.12	877.71
B 133	FENO MONUMENT W/ ALUMINUM CAP	49+25.19"LL"	0.13' RT	781,333.13	411,884.11	876.93



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: STH 69	SHEET 274 E

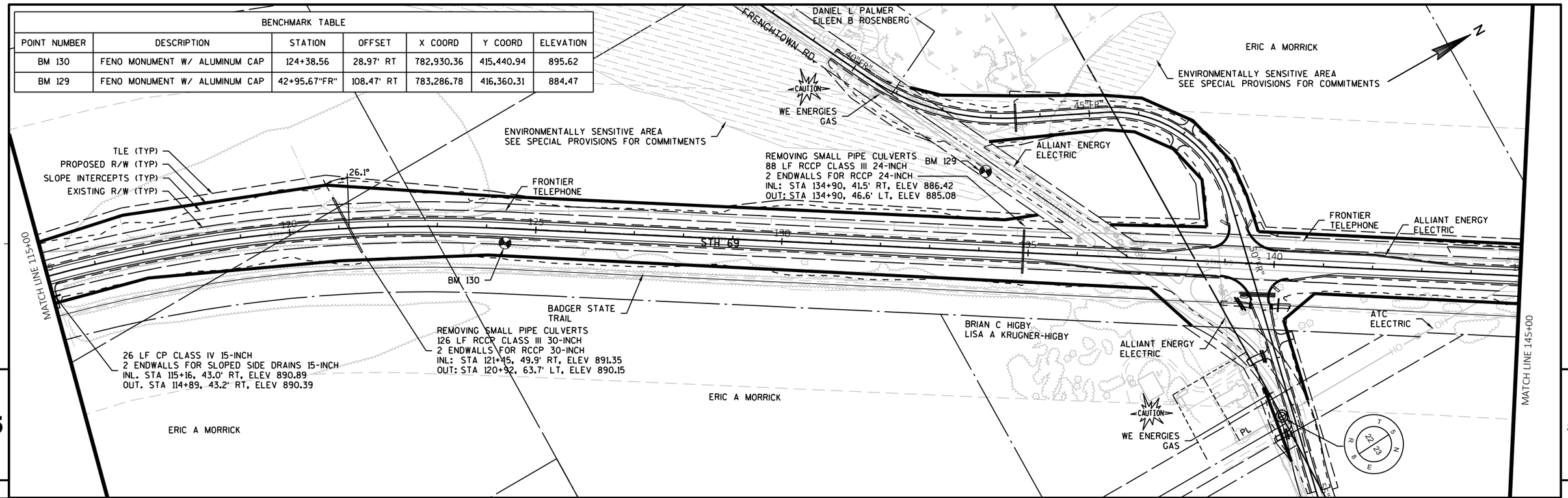


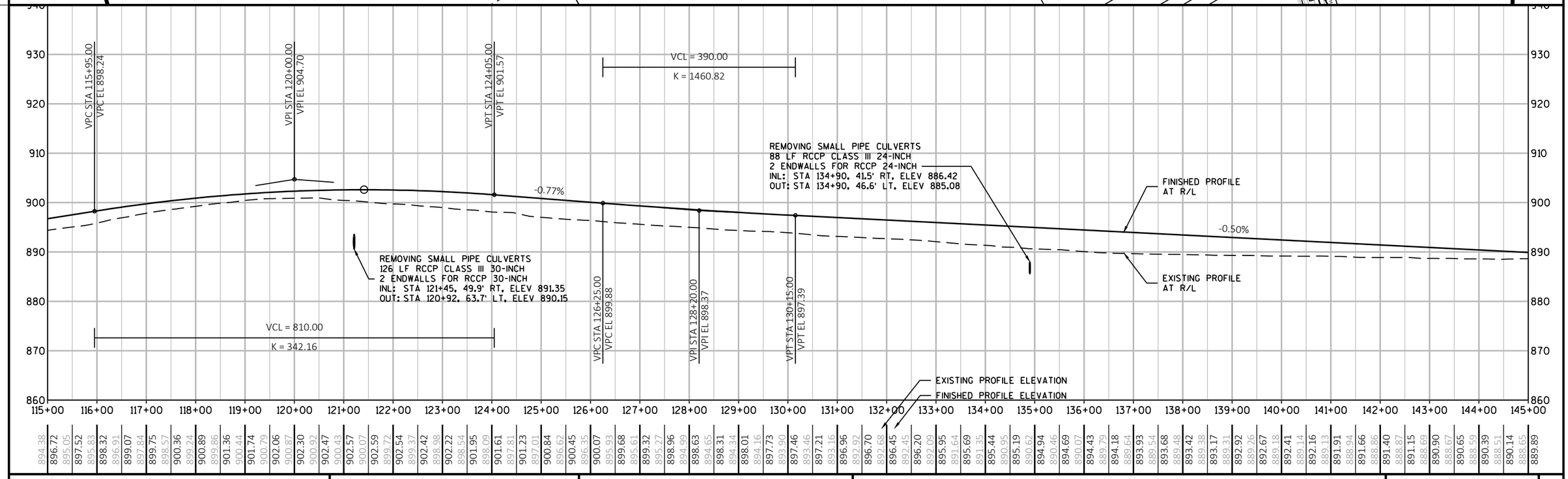
BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 132	FENO MONUMENT W/ ALUMINUM CAP	99+90.69	71.08' LT	782,252.24	413,138.59	878.39
BM 131	FENO MONUMENT W/ ALUMINUM CAP	111+10.82	34.90' RT	782,492.96	414,214.46	887.82



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: STH 69	SHEET 275	E

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 130	FENO MONUMENT W/ ALUMINUM CAP	124+38.56	28.97' RT	782,930.36	415,440.94	895.62
BM 129	FENO MONUMENT W/ ALUMINUM CAP	42+95.67"FR"	108.47' RT	783,286.78	416,360.31	884.47

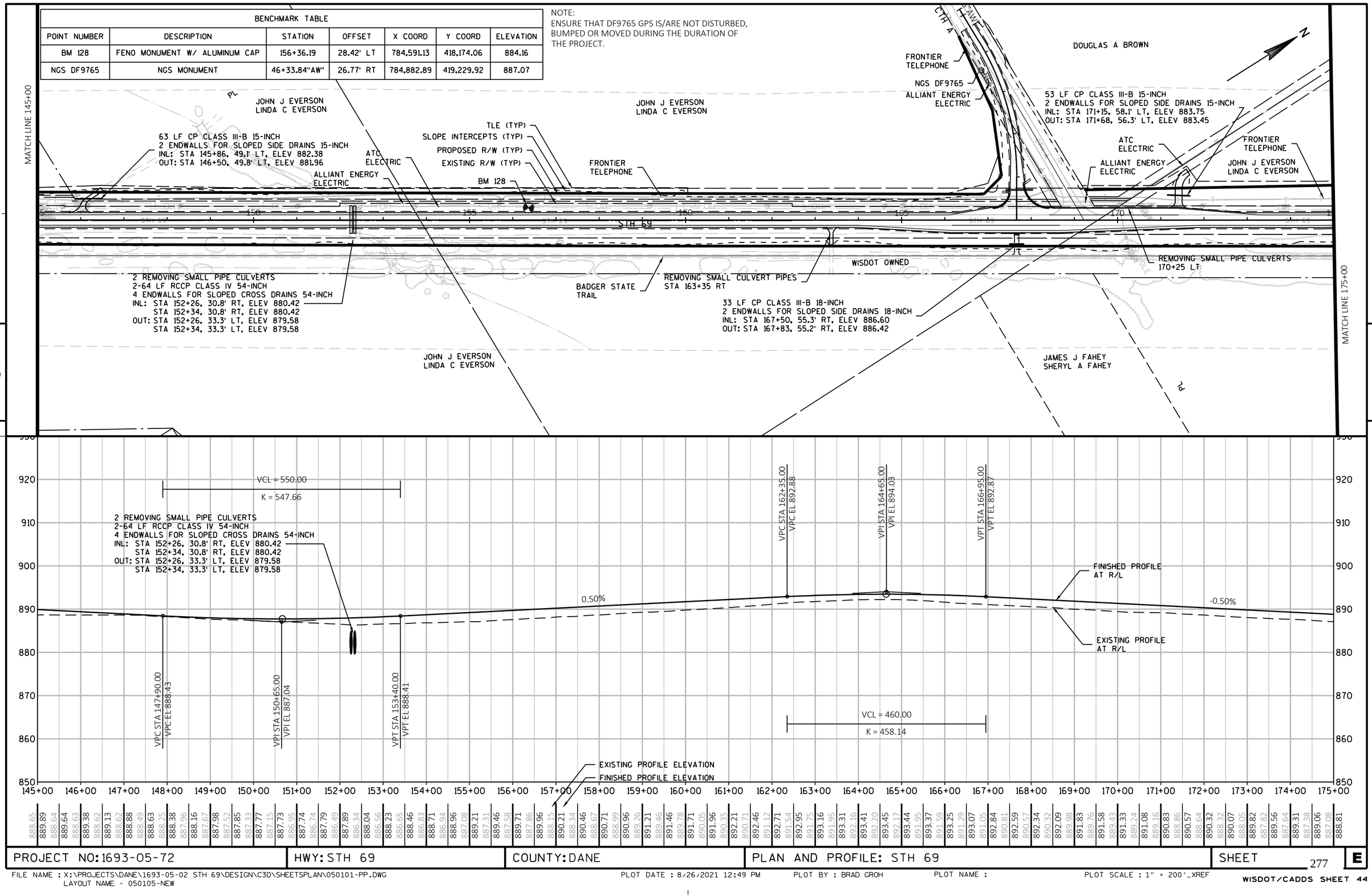




PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: STH 69	SHEET 276	E

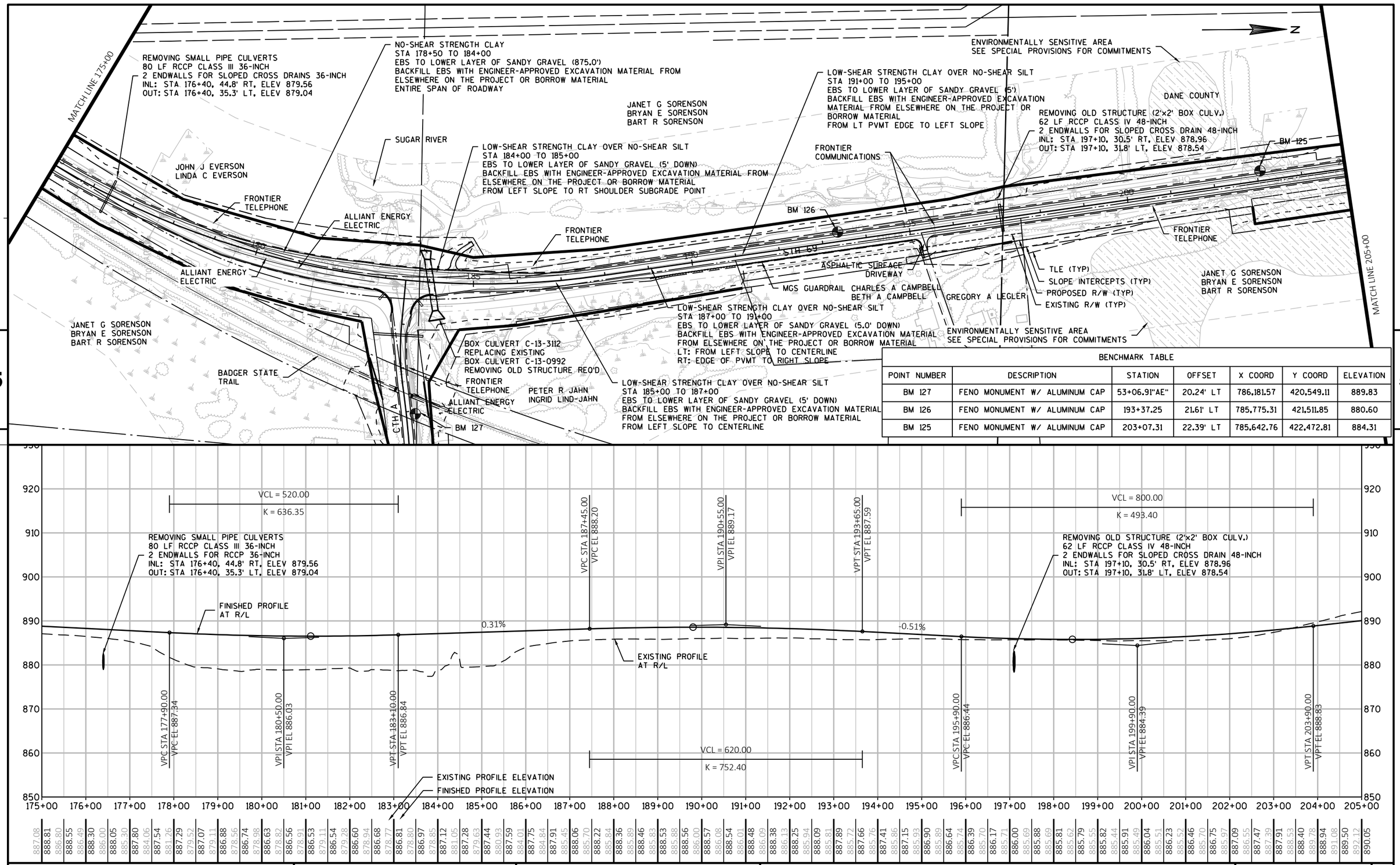
BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 128	FENO MONUMENT W/ ALUMINUM CAP	156+36.19	28.42' LT	784,591.13	418,174.06	884.16
NGS DF9765	NGS MONUMENT	46+33.84"AW"	26.77' RT	784,882.89	419,229.92	887.07

NOTE:
ENSURE THAT DF9765 GPS IS/ARE NOT DISTURBED, BUMPED OR MOVED DURING THE DURATION OF THE PROJECT.



888.65	889.89	888.64	889.64	888.63
889.38	888.62	889.13	888.62	888.88
888.49	888.63	888.25	888.38	887.96
888.16	887.67	887.98	887.52	887.85
887.33	887.77	887.15	887.73	886.95
887.74	886.74	887.79	886.49	887.89
886.34	888.04	886.56	888.23	886.65
888.46	886.83	888.71	886.94	888.96
887.08	889.21	887.31	889.46	887.58
889.71	887.86	889.96	888.15	890.21
888.34	890.46	888.67	890.71	888.99
890.96	889.26	891.21	889.46	891.46
889.78	891.71	890.05	891.96	890.35
892.21	890.71	892.46	891.12	892.71
891.54	892.95	891.75	893.16	891.95
893.31	892.16	893.41	892.20	893.45
892.17	893.44	891.95	893.37	891.59
893.25	891.29	893.07	891.05	892.84
890.81	892.59	890.57	892.34	890.32
892.09	889.98	891.83	889.76	891.58
889.43	891.33	889.24	891.08	889.16
890.83	888.86	890.57	888.64	890.32
888.32	890.07	888.05	889.82	887.82
889.56	887.64	889.31	887.38	889.06
887.08	888.81			

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: STH 69	SHEET 277	E



BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 127	FENO MONUMENT W/ ALUMINUM CAP	53+06.91"AE"	20.24' LT	786,181.57	420,549.11	889.83
BM 126	FENO MONUMENT W/ ALUMINUM CAP	193+37.25	21.61' LT	785,775.31	421,511.85	880.60
BM 125	FENO MONUMENT W/ ALUMINUM CAP	203+07.31	22.39' LT	785,642.76	422,472.81	884.31

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: STH 69	SHEET 278	E

ROCK PRESENT STA 204+50 TO 205+99
ESTIMATED DEPTH IS <2.0' AT C/L AND
<4.5' AT SLOPES. ELEVATION IS ASSUMED
TO MEET EXCAVATION DEPTHS BUT IS ASSUMED
TO BE RIPPABLE

ROCK PRESENT STA 206+00 TO 207+00
ESTIMATED DEPTH IS 1.5-3.0' AT C/L AND
4.0-7.0' AT SLOPES.
HARD DRILLING AT 888.0'
THIS ROCK MAY NOT BE RIPPABLE

REMOVING SMALL PIPE CULVERTS
2-62 LF CPRCHE CLASS HE-IV 19X30-INCH
4 ENDWALLS FOR SLOPED CROSS DRAINS 19X30-INCH
INL: STA 209+78, 29.8' RT, ELEV 889.65
STA 209+82, 29.9' RT, ELEV 889.65
OUT: STA 209+78, 31.8' LT, ELEV 889.25
STA 209+82, 31.9' LT, ELEV 889.25

24 LF CP CLASS IV 15-INCH
2 ENDWALLS FOR SLOPED SIDE DRAINS 15-INCH
INL: STA 214+34, 38.8' LT, ELEV 892.39
OUT: STA 214+58, 40.3' LT, ELEV 892.23

SUGAR RIVER

DANE COUNTY

REMOVING OLD STRUCTURE (2'X2' BOX CULV.)
2-86 LF RCCP CLASS IV 60-INCH
2 ENDWALLS FOR RCCP 60-INCH
2 ENDWALLS FOR SLOPED CROSS DRAINS 60-INCH
INL: STA 221+18, 36.6' RT, ELEV 882.96
STA 221+27, 36.7' RT, ELEV 882.96
OUT: STA 221+11, 48.5' LT, ELEV 882.54
STA 221+20, 48.5' LT, ELEV 882.54

PEAT
STA 222+00 TO 226+00
EXCAVATE TO GRAVEL/SAND LAYER (EL=880.0')
BACKFILL EBS WITH ENGINEER-APPROVED EXCAVATION MATERIAL FROM
ELSEWHERE ON THE PROJECT OR BORROW MATERIAL
ACROSS SPAN OF PROPOSED ROADWAY

N

MATCH LINE 205+00

ALLIANT ENERGY ELECTRIC

ALLIANT ENERGY ELECTRIC

5.6°

BM 123

STH 69

FRONTIER TELEPHONE

ALLIANT ENERGY ELECTRIC

FRONTIER TELEPHONE

CAP EXISTING DRAIN TILE
STA 224+14, 80.5' RT

EXISTING 8-INCH DRAIN TILE OUTLET PIPE

PIPE UNDERDRAIN 8-INCH STA 221+25 (67.8' RT) - STA 222+17 (90.0' RT)

LOW & NO-SHEAR STRENGTH CLAY
STA 217+75 TO 222+00
EXCAVATE TO GRAVEL/SAND LAYER (EL=880.0')
BACKFILL EBS WITH ENGINEER-APPROVED EXCAVATION MATERIAL
FROM ELSEWHERE ON THE PROJECT OR BORROW MATERIAL
LT: FROM PROPOSED SLOPE TO EDGE OF EXISTING PVMT
RT: FROM RIGHT EDGE OF LANE TO PROPOSED SLOPE

EXISTING PRIVATE DRAIN TILE OUTLET
STA 221+39, 70.1' RT
ELEV 884.46

REMOVE EXISTING DRAIN TILE.
INCIDENTAL TO EXCAVATION
COMMON (TYP)

ZIMMERMAN FT REV TR
JOHN B & CAROL A

EXISTING 4-INCH DRAIN TILE (TYP)

EXISTING R/W (TYP)
PROPOSED R/W (TYP)
SLOPE INTERCEPTS (TYP)
TLE (TYP)

27 LF CP CLASS IV 15-INCH
2 ENDWALLS FOR SLOPED SIDE DRAINS 15-INCH
INL: STA 208+94, 34.8' RT, ELEV 890.60
OUT: STA 209+21, 36.5' RT, ELEV 890.40

ENVIRONMENTALLY SENSITIVE AREA
SEE SPECIAL PROVISIONS FOR COMMITMENTS

JANET G SORENSON
BRYAN E SORENSON
BART R SORENSON

GAFKE LIVING TR

ALLIANT ENERGY ELECTRIC
FRONTIER TELEPHONE

BM 124

HENRY RD

GAFKE LIVING TR

RICHARD J DUSK
CHRISTINE V DUSK

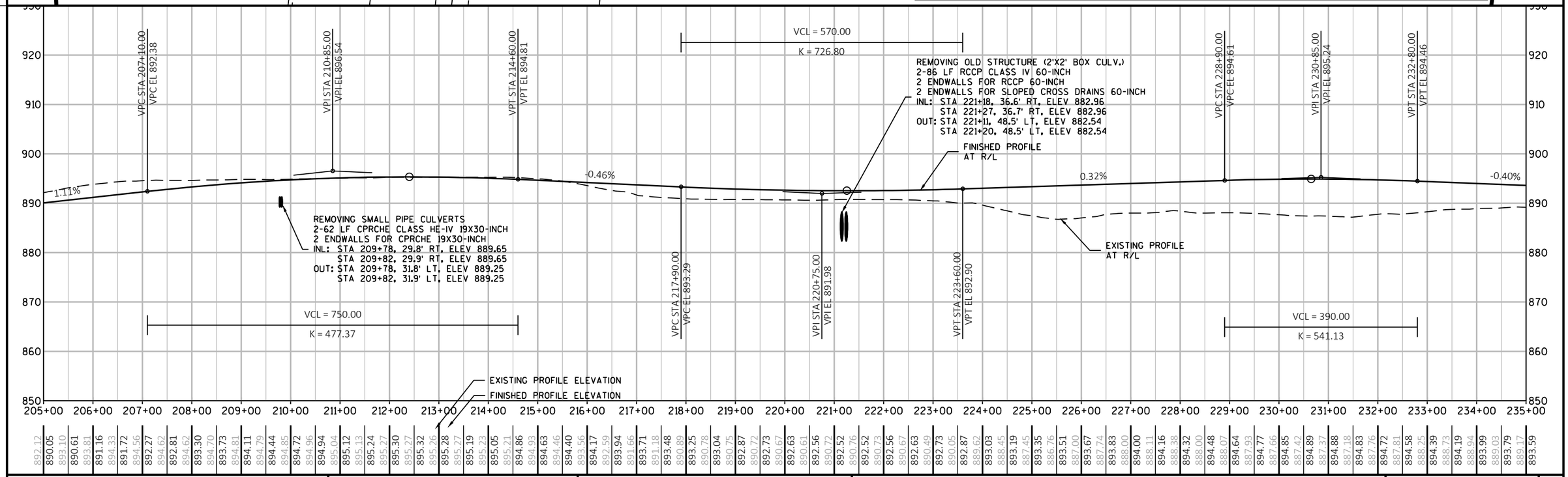
KAREN ANN GUNKEL

ROBERT J KLASSY
JILL A KLASSY

REMOVING SMALL PIPE CULVERTS
19 LF CP CLASS IV 15-INCH
2 ENDWALLS FOR SLOPED SIDE DRAINS 15-INCH
INL: STA 216+43, 37.7' RT, ELEV 891.39
OUT: STA 216+62, 41.8' RT, ELEV 890.64

MATCH LINE 235+00

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 124	FENO MONUMENT W/ ALUMINUM CAP	52+75.80"HE"	18.33' RT	785,792.78	423,517.38	897.60
BM 123	FENO MONUMENT W/ ALUMINUM CAP	229+84.26	55.09' LT	785,328.37	425,136.11	888.32



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: STH 69	SHEET 279 E

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 122	FENO MONUMENT W/ ALUMINUM CAP	239+92.95	116.36' LT	785,319.37	426,148.54	890.15
BM 121	FENO MONUMENT W/ ALUMINUM CAP	60+47.48"OS"	29.30' RT	785,010.41	427,209.76	900.25
BM 120	FENO MONUMENT W/ ALUMINUM CAP	68+10.08"OS"	28.63' LT	784,648.62	427,883.57	898.39

MATCH LINE 235+00

SUGAR RIVER

REMOVING SMALL PIPE CULVERTS
34 LF CP CLASS III-B 15-INCH
2 ENDWALLS FOR SLOPED SIDE DRAINS 15-INCH
INL: STA 236+85, 42.4' LT, ELEV 888.19
OUT: STA 237+19, 41.2' LT, ELEV 888.04

ENVIRONMENTALLY SENSITIVE AREA
SEE SPECIAL PROVISIONS FOR COMMITMENTS

ZIMMERMAN FT REV TR
JOHN B & CAROL A

ENVIRONMENTALLY SENSITIVE AREA
SEE SPECIAL PROVISIONS FOR COMMITMENTS

ALLIANT ENERGY
ELECTRIC

BM 120

70"OS"

65"OS"

60"OS"

55"OS"

OLD HWY 69

BM 122

BM 121

CAUTION

NORTHERN NATURAL GAS
GAS

FRONTIER
TELEPHONE

SARBACKER LAND
COMPANY LLC

EXISTING R/W (TYP)
SLOPE INTERCEPTS (TYP)
PROPOSED R/W (TYP)
TILE (TYP)
EXISTING 4-INCH DRAIN TILE (TYP)

CAP EXISTING DRAIN TILE:
STA 238+81, 68.1' RT

REMOVE EXISTING DRAIN TILE.
INCIDENTAL TO EXCAVATION
COMMON (TYP)

30 LF CP CLASS III-B 15-INCH
2 ENDWALLS FOR SLOPED SIDE DRAINS 15-INCH
INL: STA 250+47, 40.4' LT, ELEV 901.46
OUT: STA 250+16, 41.2' LT, ELEV 901.16

MATCH LINE 265+00

ZIMMERMAN FT REV TR
JOHN B & CAROL A

REMOVING SMALL PIPE CULVERTS
42 LF CP CLASS III-B 24-INCH
2 ENDWALLS FOR SLOPED SIDE DRAINS 24-INCH
INL: STA 242+08, 62.1' RT, ELEV 889.60
OUT: STA 241+67, 60.0' RT, ELEV 889.45

28 LF CP CLASS III-B 24-INCH
2 ENDWALLS FOR SLOPED SIDE DRAINS 24-INCH
INL: STA 250+43, 49.6' RT, ELEV 902.15
OUT: STA 250+16, 49.6' RT, ELEV 901.91

PL

NORTHERN NATURAL GAS
GAS

CAUTION

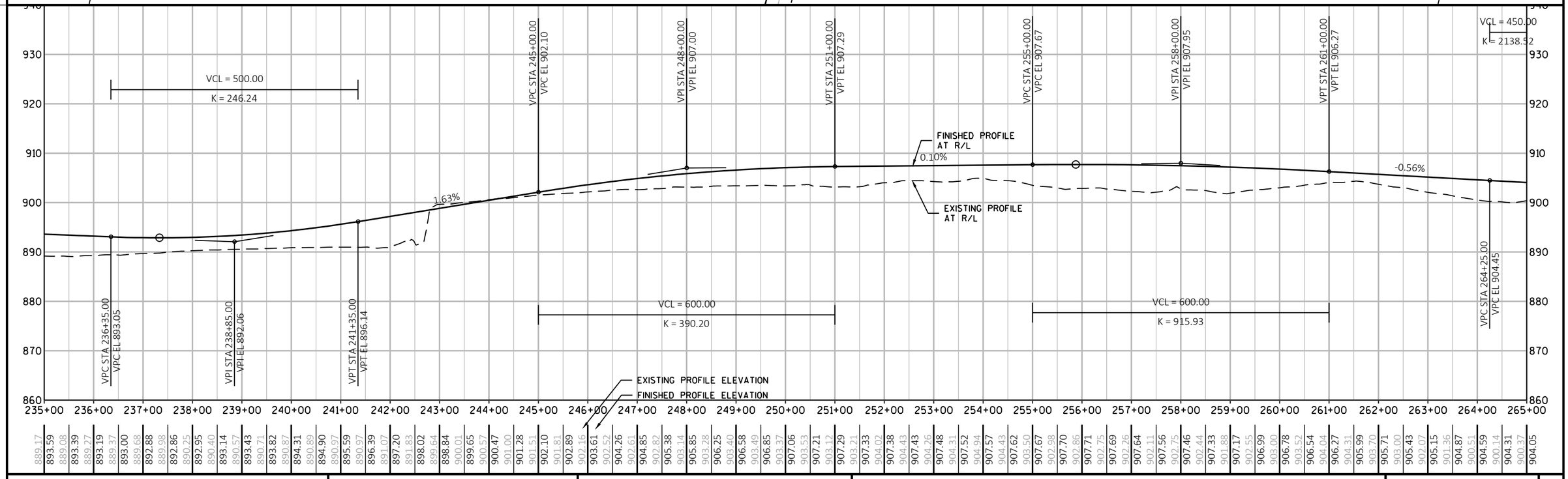
STH 69

SARBACKER LAND
COMPANY LLC

N

5

5

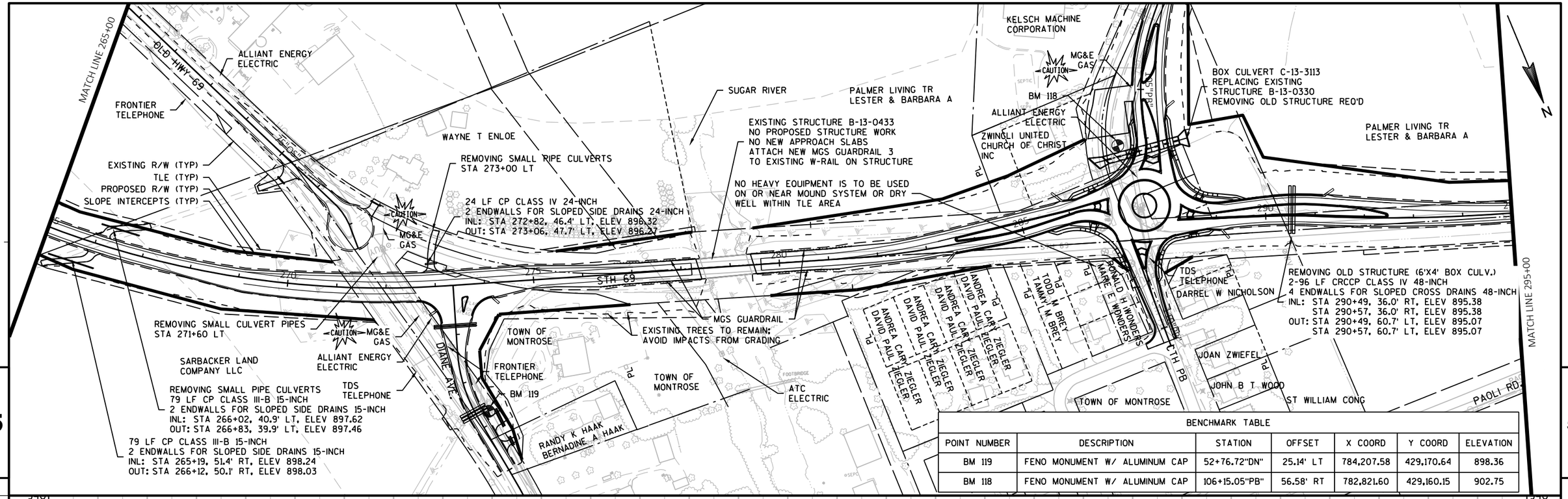


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: STH 69	SHEET 280	E

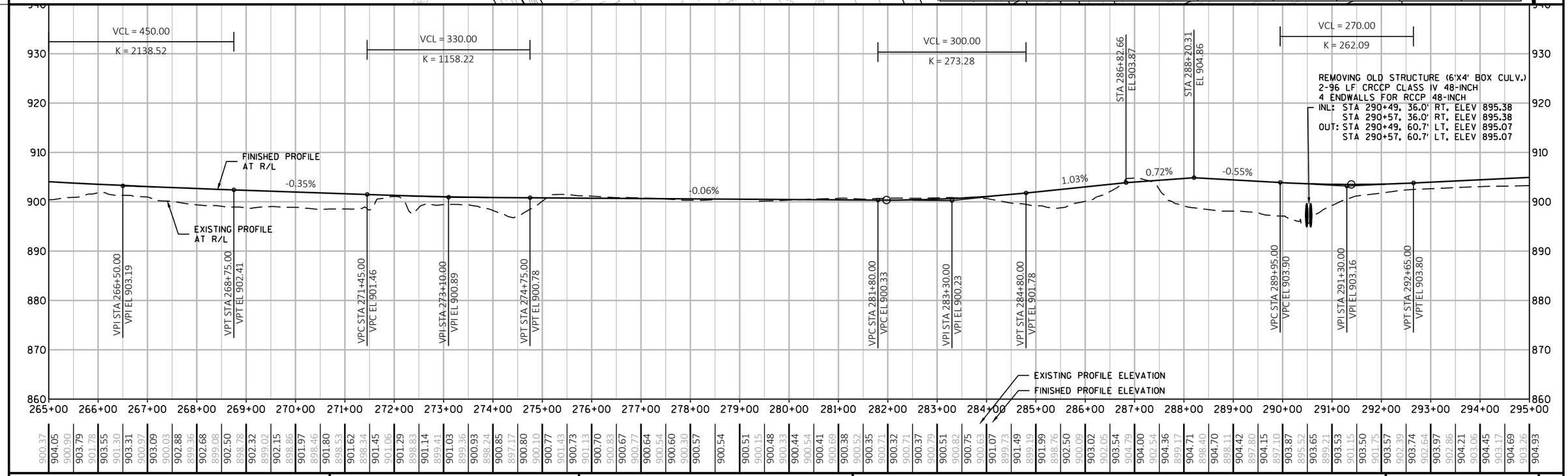
FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050108-NEW

PLOT DATE : 8/26/2021 12:51 PM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1" = 200'_XREF

WISDOT/CADDS SHEET 44



BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 119	FENO MONUMENT W/ ALUMINUM CAP	52+76.72"DN"	25.14' LT	784,207.58	429,170.64	898.36
BM 118	FENO MONUMENT W/ ALUMINUM CAP	106+15.05"PB"	56.58' RT	782,821.60	429,160.15	902.75



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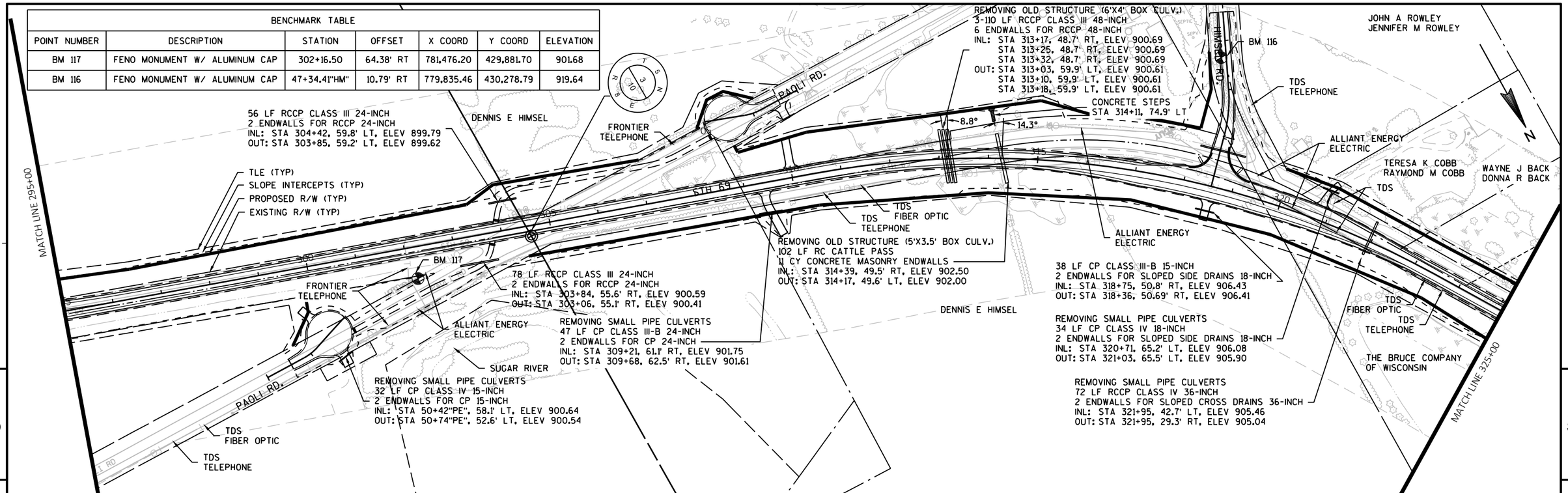
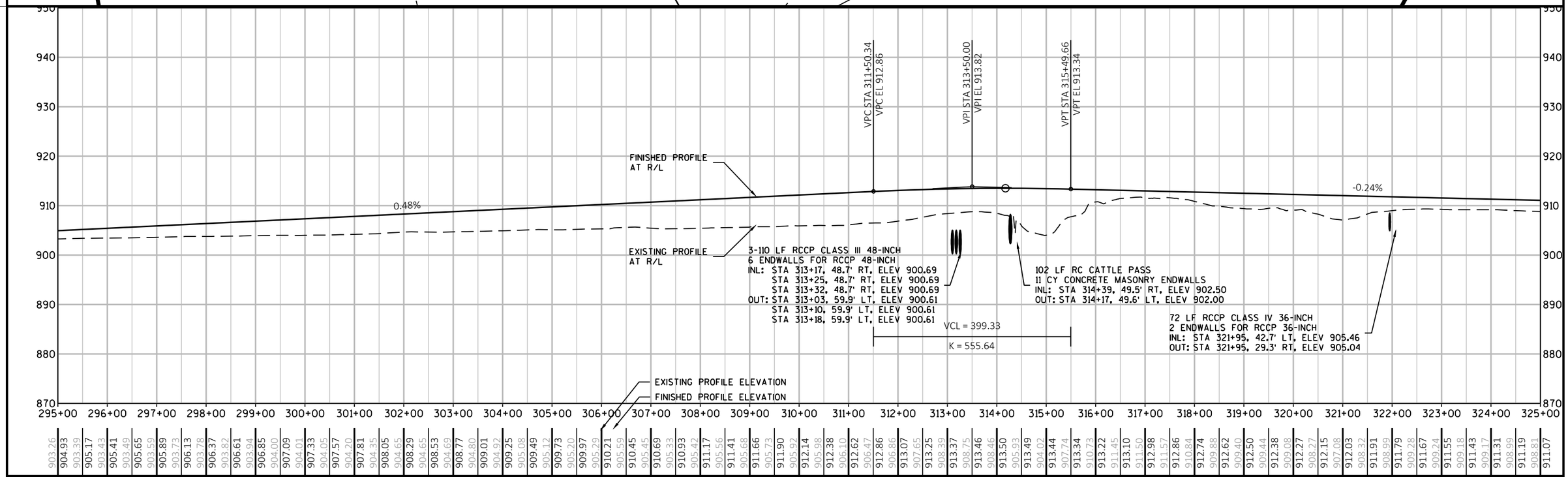
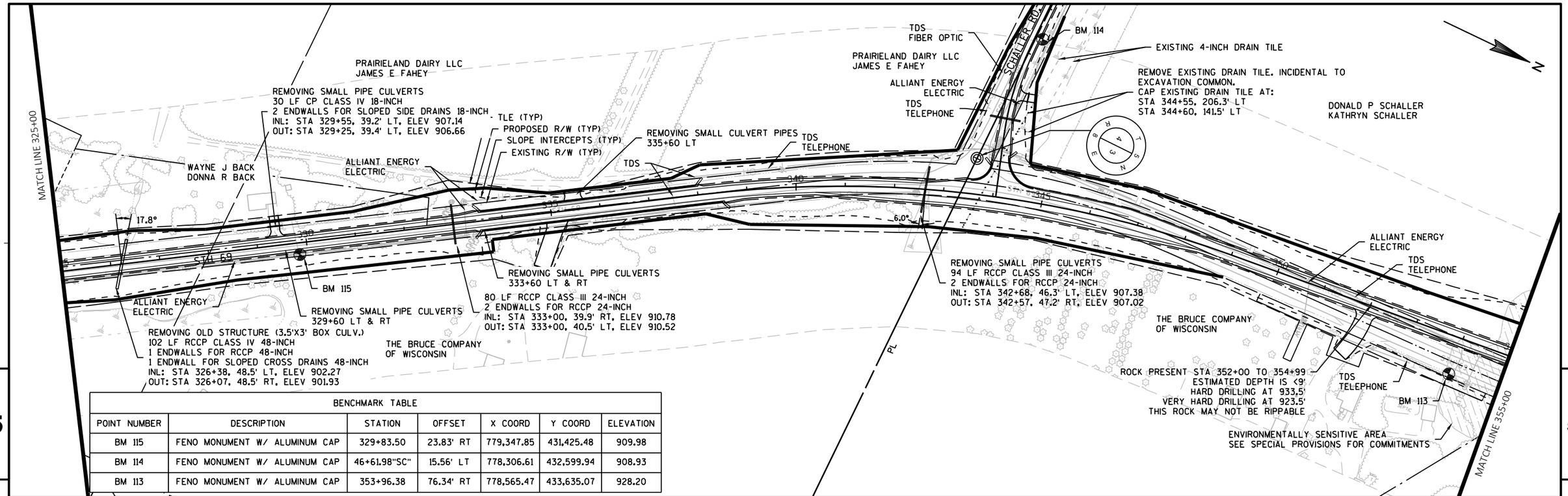
BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 117	FENO MONUMENT W/ ALUMINUM CAP	302+16.50	64.38' RT	781,476.20	429,881.70	901.68
BM 116	FENO MONUMENT W/ ALUMINUM CAP	47+34.41"HM"	10.79' RT	779,835.46	430,278.79	919.64



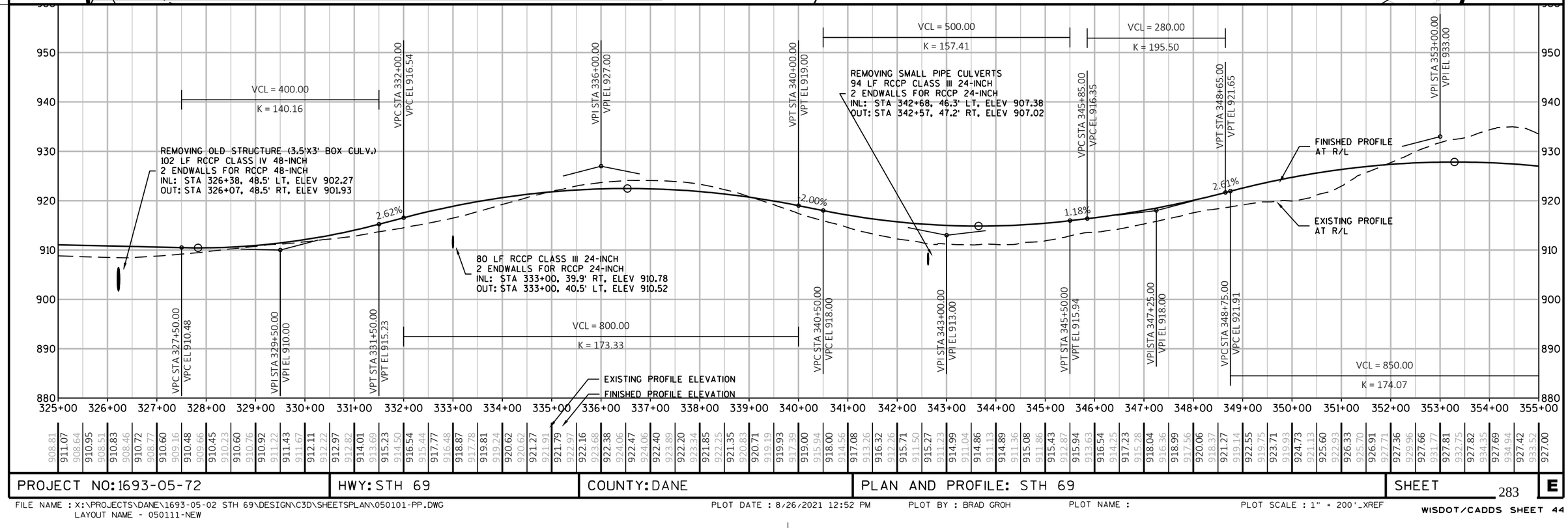


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: STH 69	SHEET 282 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050110-NEW
PLOT DATE : 8/26/2021 12:51 PM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1" = 200'_XREF
WISDOT/CADDS SHEET 44



BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 115	FENO MONUMENT W/ ALUMINUM CAP	329+83.50	23.83' RT	779,347.85	431,425.48	909.98
BM 114	FENO MONUMENT W/ ALUMINUM CAP	46+61.98"SC"	15.56' LT	778,306.61	432,599.94	908.93
BM 113	FENO MONUMENT W/ ALUMINUM CAP	353+96.38	76.34' RT	778,565.47	433,635.07	928.20



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: STH 69	SHEET 283 E

NO-SHEAR STRENGTH SILT
STA 357+25 TO 370+00
EXCAVATE TO GRAVEL/SAND LAYER (EL=902.5')
BACKFILL EBS WITH ENGINEER-APPROVED EXCAVATION MATERIAL FROM ELSEWHERE ON THE PROJECT OR BORROW MATERIAL ACROSS SPAN OF PROPOSED ROADWAY

2-65 LF RCCP CLASS IV 54-INCH
4 ENDWALLS FOR SLOPED CROSS DRAINS 54-INCH
INL: STA 372+14, 34.6' LT, ELEV 910.62
STA 372+23, 34.5' LT, ELEV 910.63
OUT: STA 372+14, 30.0' RT, ELEV 910.61
STA 372+23, 29.9' RT, ELEV 910.62

ENVIRONMENTALLY SENSITIVE AREA
SEE SPECIAL PROVISIONS FOR COMMITMENTS

34 LF CP CLASS IV 24-INCH
2 ENDWALLS FOR CP 24-INCH
INL: STA 365+66, 63.7' LT, ELEV 906.84
OUT: STA 365+38, 64.3' LT, ELEV 906.69

EXISTING 4-INCH DRAIN TILE (TYP)

REMOVE EXISTING DRAIN TILE.
INCIDENTAL TO EXCAVATION
COMMON (TYP)

UNDERDRAIN 6-INCH
STA 361+17 (103.0' LT
STA 362+92 (94.0' LT)

DONALD P SCHALLER
KATHRYN SCHALLER

15 LF CP CLASS IV 24-INCH
2 ENDWALLS FOR SLOPED SIDE DRAINS 24-INCH
INL: STA 375+17 51.0' LT, ELEV 911.75
OUT: STA 375+01, 51.2' LT, ELEV 911.69

JOHN R MILLER

ALLIANT ENERGY
ELECTRIC

JOHN R MILLER

ROCK PRESENT STA 355+00
ESTIMATED ELEVATION 920.6'
THIS ROCK IS RIPPABLE

MATCH LINE 355+00

PL

37.6°

STH 69

BM 112

BM 111

TDS
TELEPHONE

EXISTING STH 69

REMOVING SMALL PIPE CULVERTS
STA 365+44 RT

ALLIANT ENERGY
ELECTRIC

TDS
TELEPHONE

ENVIRONMENTALLY SENSITIVE AREA
SEE SPECIAL PROVISIONS FOR COMMITMENTS

SUGAR RIVER

REMOVING SMALL PIPE CULVERTS
4-109 LF RCCP CLASS III 72-INCH
8 ENDWALLS FOR SLOPED CROSS DRAINS 72-INCH
INL: STA 362+46, 42.4' LT, ELEV 905.28
STA 362+59, 42.6' LT, ELEV 905.25
STA 362+72, 42.5' LT, ELEV 905.29
STA 362+85, 42.2' LT, ELEV 905.35
OUT: STA 361+81, 43.1' RT, ELEV 905.15
STA 361+93, 43.8' RT, ELEV 904.94
STA 362+06, 43.9' RT, ELEV 904.90
STA 362+19, 43.7' RT, ELEV 904.92

DANE COUNTY

REMOVING SMALL PIPE CULVERTS

DANE COUNTY

ENVIRONMENTALLY SENSITIVE AREA
SEE SPECIAL PROVISIONS FOR COMMITMENTS

EXISTING R/W (TYP)
SLOPE INTERCEPTS (TYP)
PROPOSED R/W (TYP)
TLE (TYP)

MATCH LINE 385+00

N

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 112	FENO MONUMENT W/ ALUMINUM CAP	365+23.85	73.46' RT	778,454.62	434,757.08	909.93
BM 111	FENO MONUMENT W/ ALUMINUM CAP	379+46.19	32.14' LT	778,280.79	436,169.97	913.18

VPT STA 357+25.00
VPT EL 923.33

VCL = 500.00

K = 212.82

-2.27%

VPC STA 357+50.00
VPC EL 922.77

VCL = 850.00

K = 174.07

VPI STA 360+00.00
VPI EL 917.08

VPT STA 362+50.00
VPT EL 917.27

REMOVING SMALL PIPE CULVERTS
4-109 LF RCCP CLASS III 72-INCH
8 ENDWALLS FOR SLOPED CROSS DRAINS 72-INCH
INL: STA 362+46, 42.4' LT, ELEV 905.28
STA 362+59, 42.6' LT, ELEV 905.25
STA 362+72, 42.5' LT, ELEV 905.29
STA 362+85, 42.2' LT, ELEV 905.35
OUT: STA 361+81, 43.1' RT, ELEV 905.15
STA 361+93, 43.8' RT, ELEV 904.94
STA 362+06, 43.9' RT, ELEV 904.90
STA 362+19, 43.7' RT, ELEV 904.92

2-65 LF RCCP CLASS IV 54-INCH
4 ENDWALLS FOR SLOPED CROSS DRAINS 54-INCH
INL: STA 372+14, 34.6' LT, ELEV 910.62
STA 372+23, 34.5' LT, ELEV 910.63
OUT: STA 372+14, 30.0' RT, ELEV 910.61
STA 372+23, 29.9' RT, ELEV 910.62

0.08%

FINISHED PROFILE
AT R/L

EXISTING PROFILE
AT R/L

VPC STA 383+45.00
VPC EL 918.84

VPI STA 385+00.00
VPI EL 918.96

VCL = 310.00

K = 1119.16

EXISTING PROFILE ELEVATION
FINISHED PROFILE ELEVATION

950 940 930 920 910 900 890 880

355+00 356+00 357+00 358+00 359+00 360+00 361+00 362+00 363+00 364+00 365+00 366+00 367+00 368+00 369+00 370+00 371+00 372+00 373+00 374+00 375+00 376+00 377+00 378+00 379+00 380+00 381+00 382+00 383+00 384+00 385+00

933.52 927.00 930.79 926.43 927.45 925.73 924.43 924.88 916.22 923.88 909.10 922.77 908.15 921.69 907.58 920.73 907.42 919.88 907.75 919.16 907.54 918.55 907.61 918.06 907.86 917.68 908.13 917.43 908.34 917.29 908.79 917.27 908.35 917.31 908.42 917.34 908.53 917.38 908.87 917.42 909.28 917.46 909.15 917.49 909.21 917.53 909.42 917.57 909.60 917.61 909.86 917.64 910.10 917.68 910.69 917.72 911.41 917.76 910.28 917.79 911.62 917.83 912.84 917.87 914.02 917.91 914.10 917.94 914.04 917.98 914.06 918.02 914.14 918.06 914.30 918.09 914.42 918.13 914.66 918.17 914.80 918.21 915.11 918.24 915.24 918.28 915.39 918.32 915.51 918.36 915.69 918.39 915.93 918.43 916.07 918.47 916.22 918.51 916.48 918.54 916.76 918.58 917.04 918.62 917.33 918.66 917.67 918.69 917.67 918.73 917.67 918.77 917.79 918.81 917.92 918.85 918.17 918.87 918.41 918.87 918.60 918.85

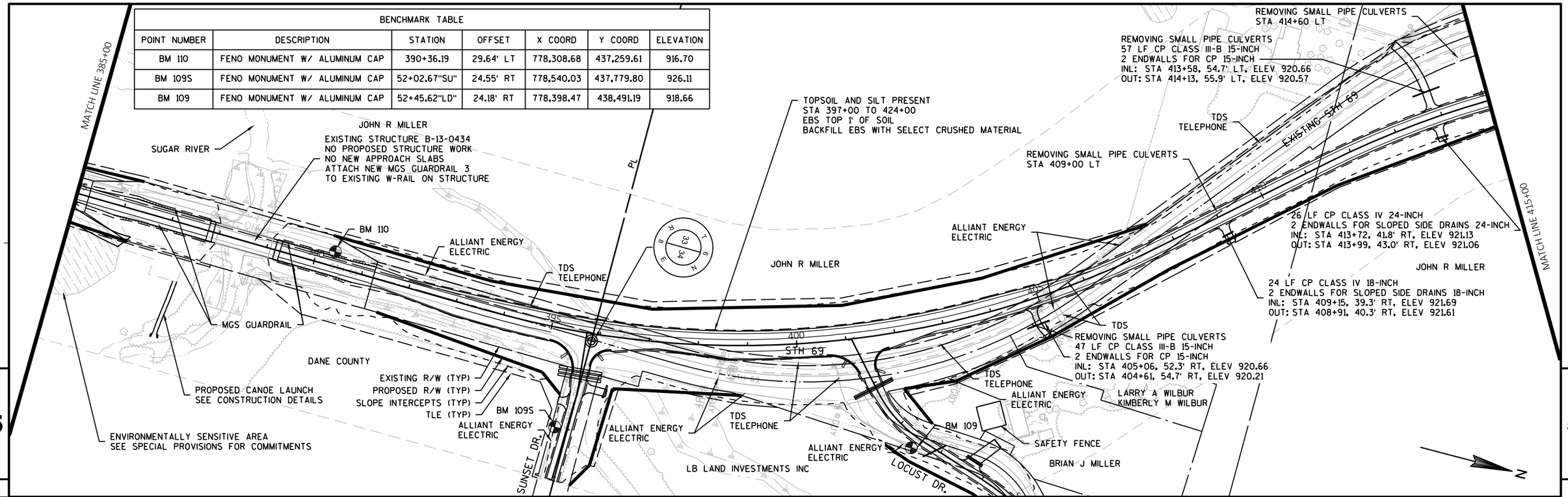
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: STH 69	SHEET 284	E

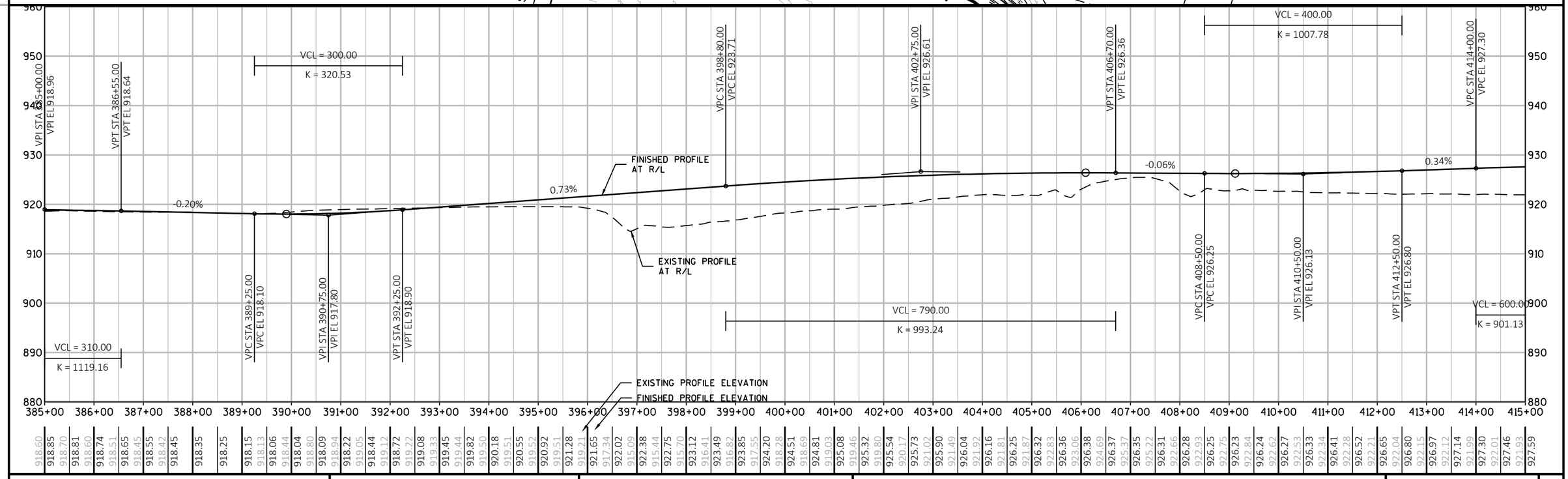
FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050112-NEW

PLOT DATE : 8/26/2021 12:52 PM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1" = 200'_XREF

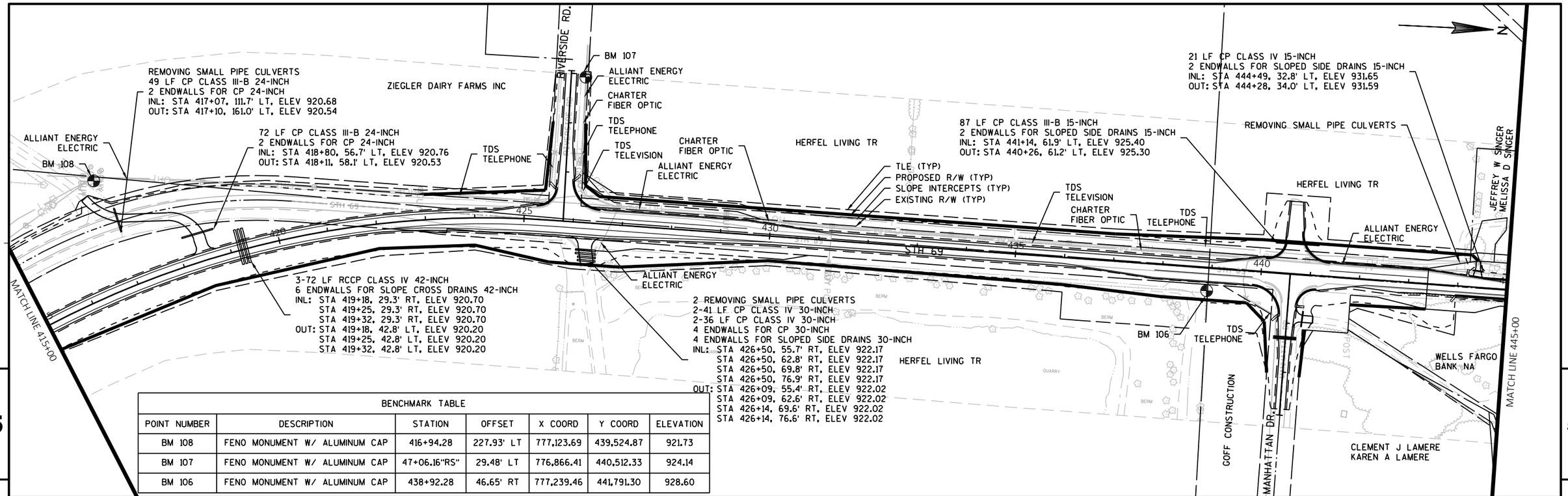
WISDOT/CADDS SHEET 44

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 110	FENO MONUMENT W/ ALUMINUM CAP	390+36.19	29.64' LT	778,308.68	437,259.61	916.70
BM 109S	FENO MONUMENT W/ ALUMINUM CAP	52+02.67"SU"	24.55' RT	778,540.03	437,779.80	926.11
BM 109	FENO MONUMENT W/ ALUMINUM CAP	52+45.62"LD"	24.18' RT	778,398.47	438,491.19	918.66

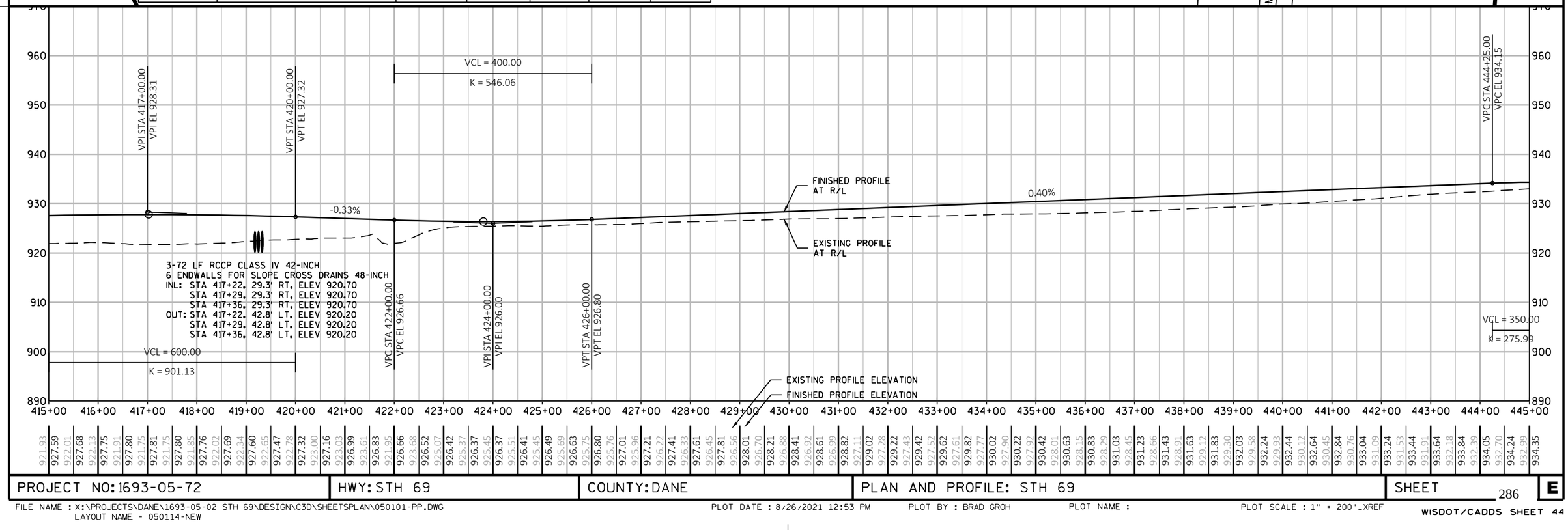




PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: STH 69	SHEET 285 E

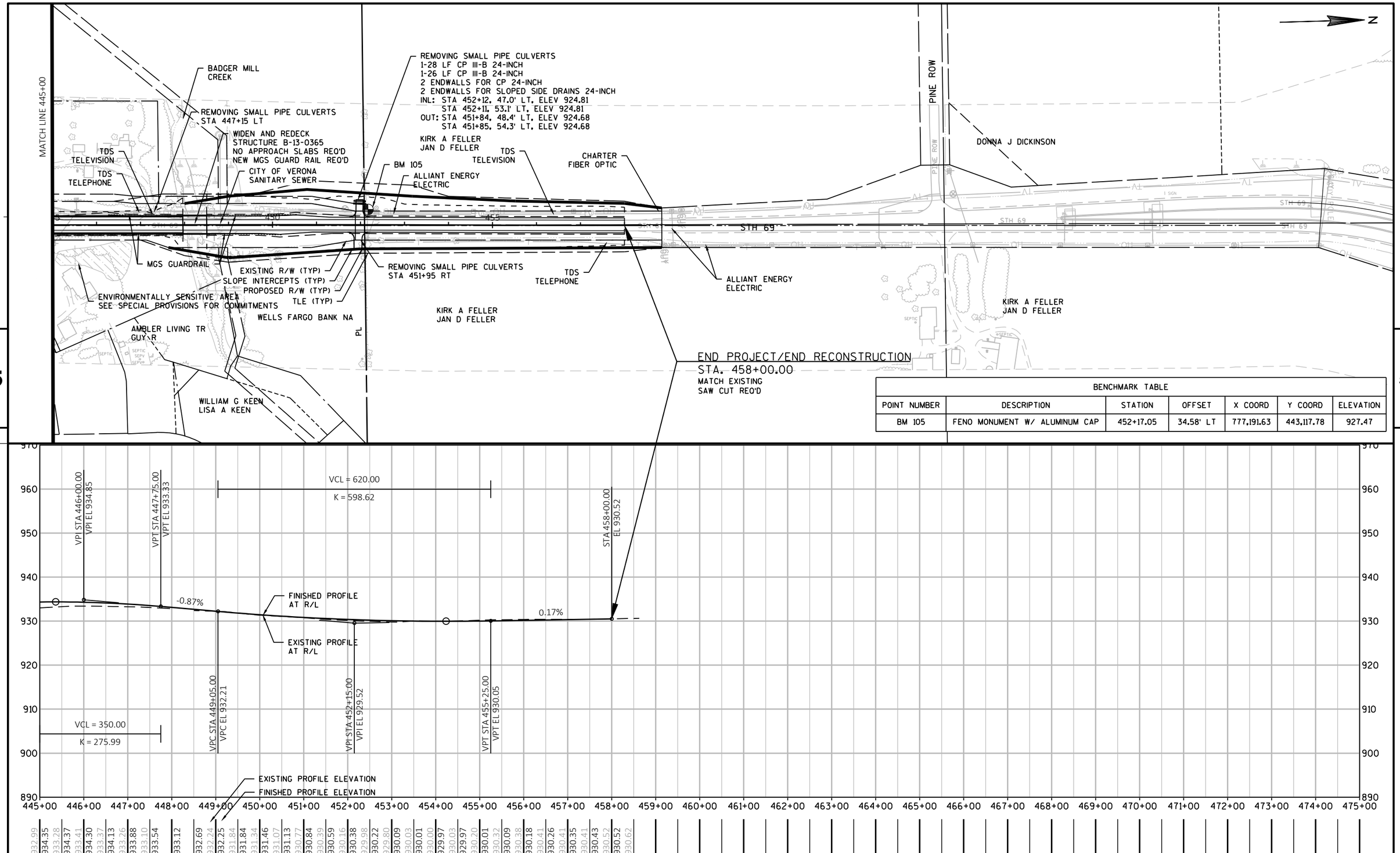


BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 108	FENO MONUMENT W/ ALUMINUM CAP	416+94.28	227.93' LT	777,123.69	439,524.87	921.73
BM 107	FENO MONUMENT W/ ALUMINUM CAP	47+06.16"RS"	29.48' LT	776,866.41	440,512.33	924.14
BM 106	FENO MONUMENT W/ ALUMINUM CAP	438+92.28	46.65' RT	777,239.46	441,791.30	928.60



921.93	927.59	922.01	927.68	922.13
927.75	921.91	927.80	921.75	927.81
921.85	927.80	921.85	927.76	922.02
927.69	922.34	927.60	922.65	927.47
922.78	927.32	923.00	927.16	923.03
926.99	923.61	926.83	921.95	926.66
923.68	926.52	925.07	926.42	925.37
926.37	925.45	926.37	925.51	926.41
925.45	926.49	925.69	926.63	925.75
926.80	925.76	927.01	925.96	927.21
926.22	926.33	927.41	926.45	927.61
926.56	927.81	926.70	928.01	926.92
928.21	926.88	928.41	926.99	928.61
927.11	928.82	927.28	929.02	927.43
929.22	927.52	929.42	927.61	929.62
927.77	929.82	927.90	930.02	927.92
930.22	928.01	930.42	928.15	930.63
928.29	930.83	928.45	931.03	928.66
931.23	928.91	931.43	929.12	931.63
929.30	931.83	929.58	932.03	929.93
932.24	930.12	932.44	930.45	932.64
930.76	932.84	931.09	933.04	931.24
931.53	933.24	931.91	933.44	932.18
933.64	932.39	933.84	932.70	934.05
932.99	934.24	934.35		

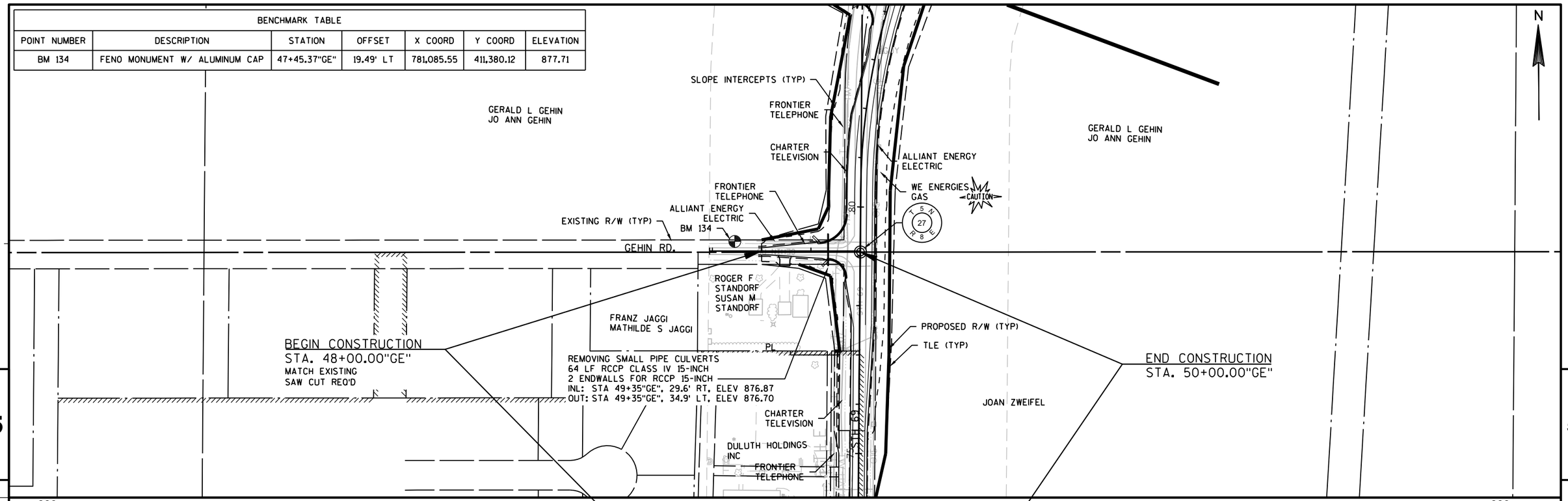
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: STH 69	SHEET 286 E

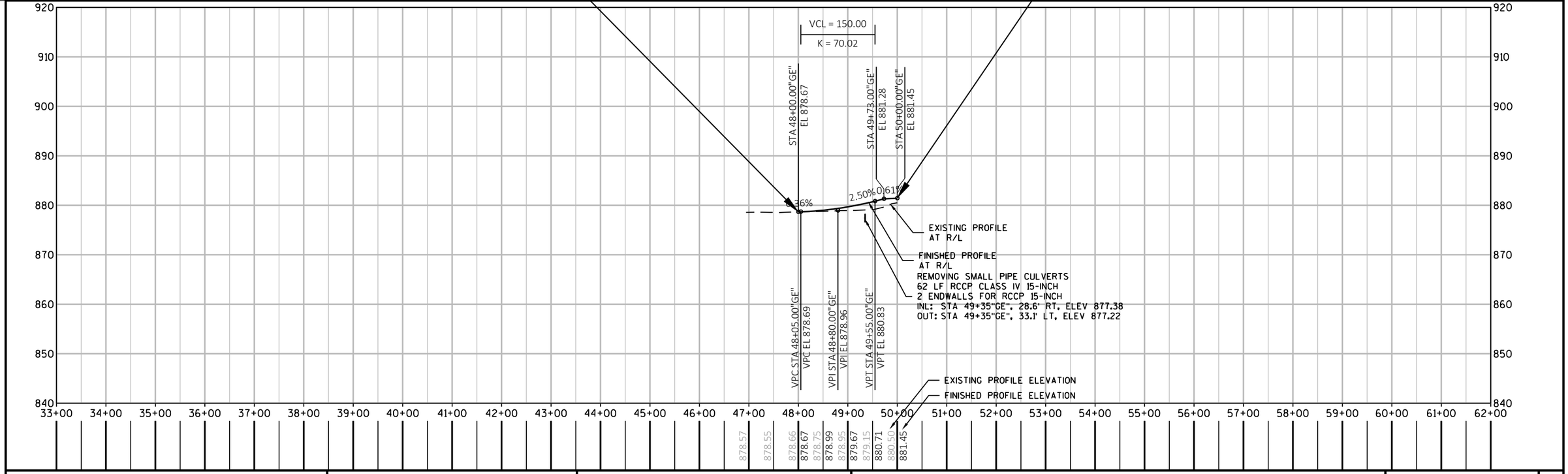


BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 105	FENO MONUMENT W/ ALUMINUM CAP	452+17.05	34.58' LT	777,191.63	443,117.78	927.47

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: STH 69	SHEET 287	E

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 134	FENO MONUMENT W/ ALUMINUM CAP	47+45.37"GE"	19.49' LT	781,085.55	411,380.12	877.71





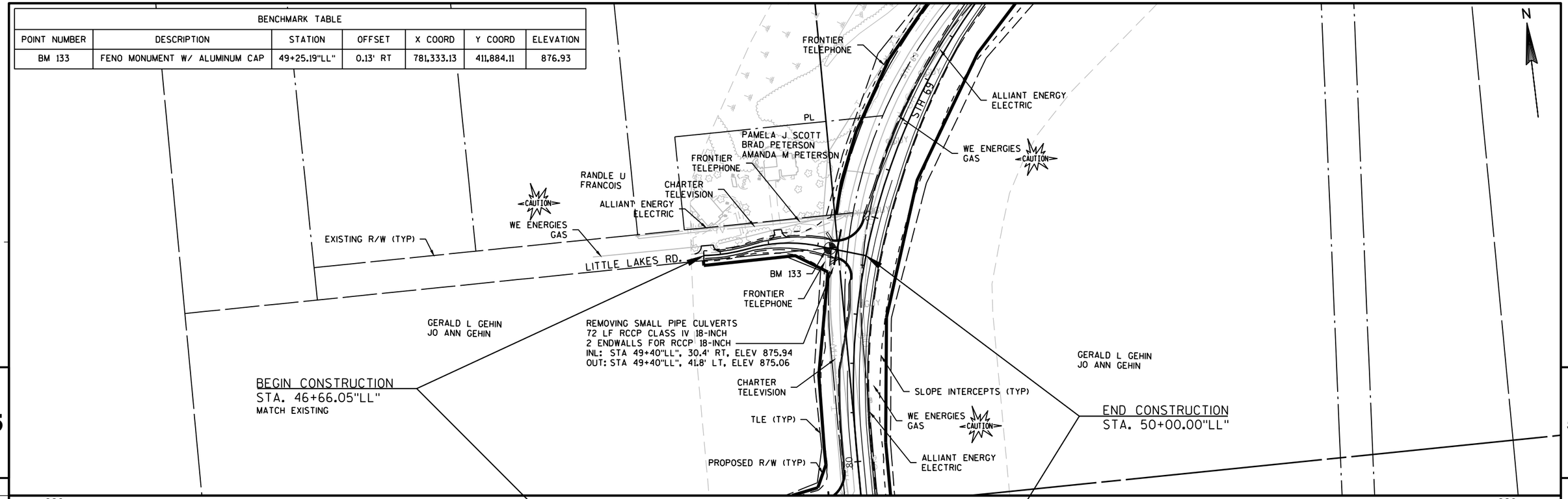
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: GEHIN RD	SHEET 288	E

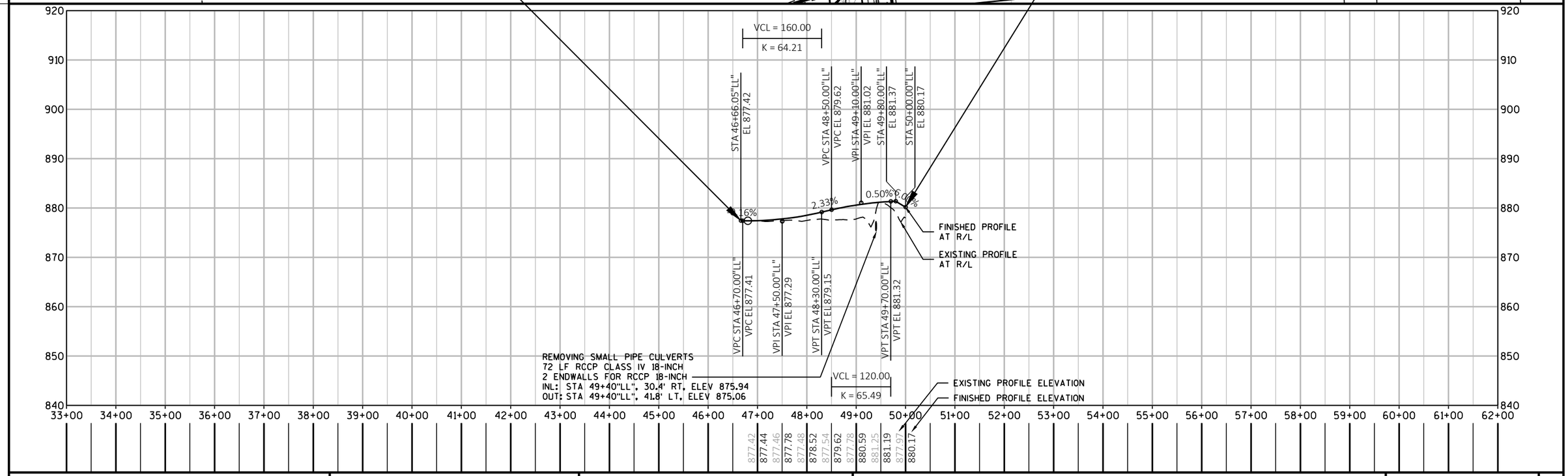
FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050124

PLOT DATE : 8/26/2021 12:54 PM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

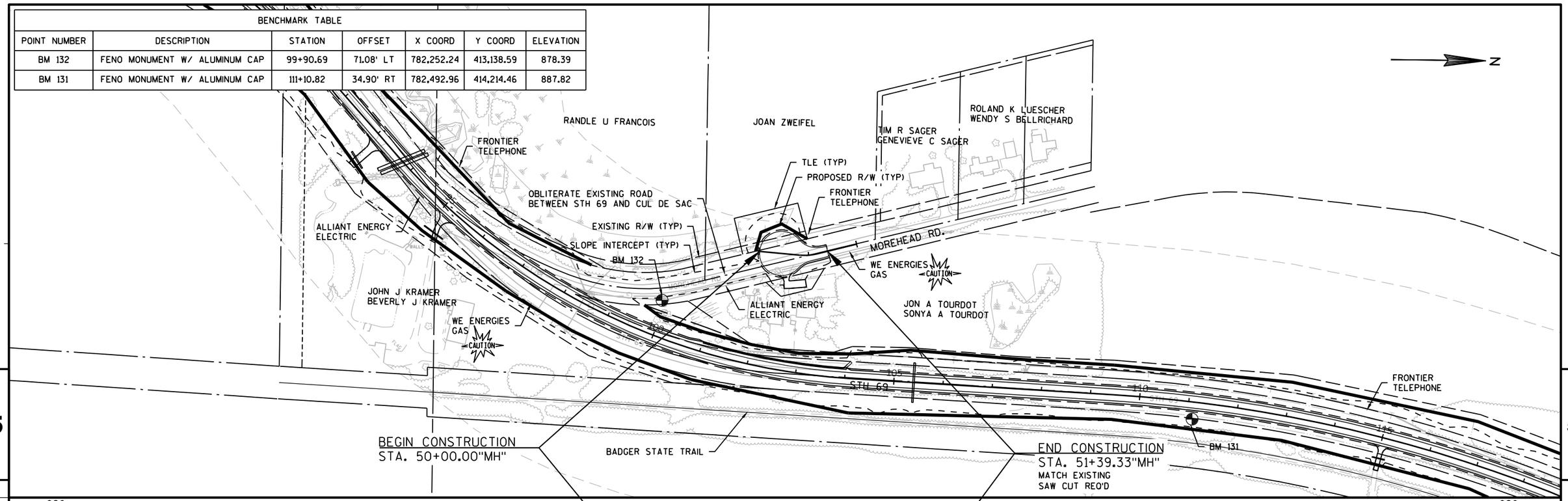
BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 133	FENO MONUMENT W/ ALUMINUM CAP	49+25.19"LL"	0.13' RT	781,333.13	411,884.11	876.93

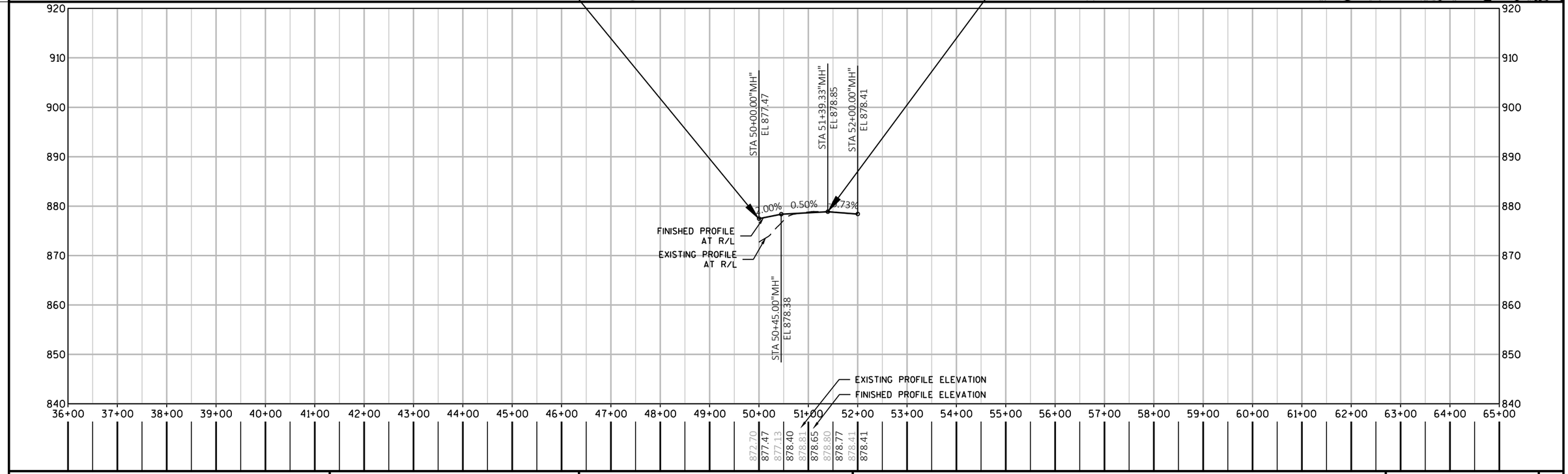




PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: LITTLE LAKES RD	SHEET 289	E

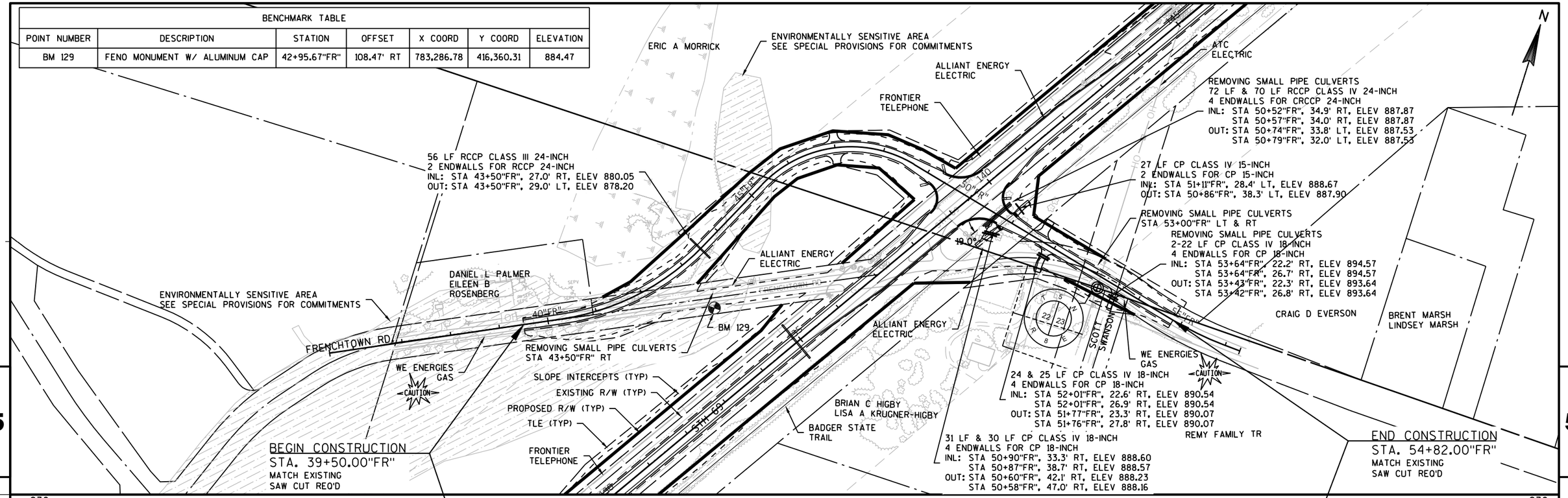
BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 132	FENO MONUMENT W/ ALUMINUM CAP	99+90.69	71.08' LT	782,252.24	413,138.59	878.39
BM 131	FENO MONUMENT W/ ALUMINUM CAP	111+10.82	34.90' RT	782,492.96	414,214.46	887.82

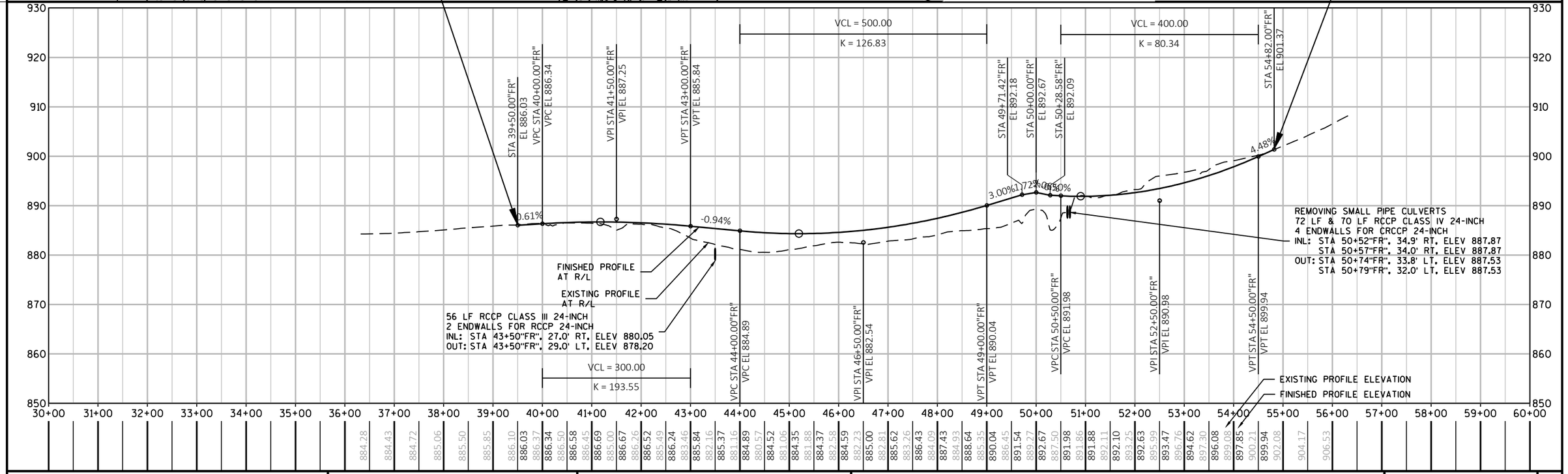




PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: MOREHEAD RD CUL DE SAC	SHEET 290	E

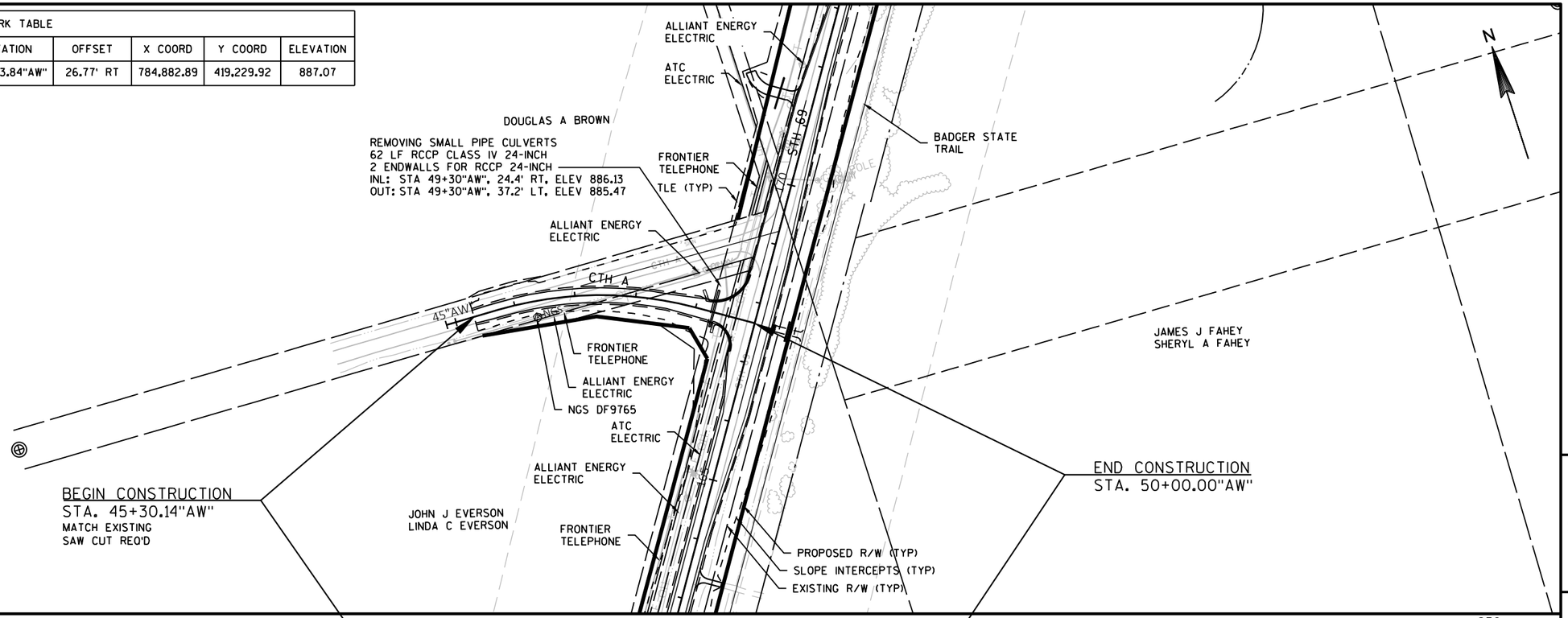
BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 129	FENO MONUMENT W/ ALUMINUM CAP	42+95.67"FR"	108.47' RT	783,286.78	416,360.31	884.47

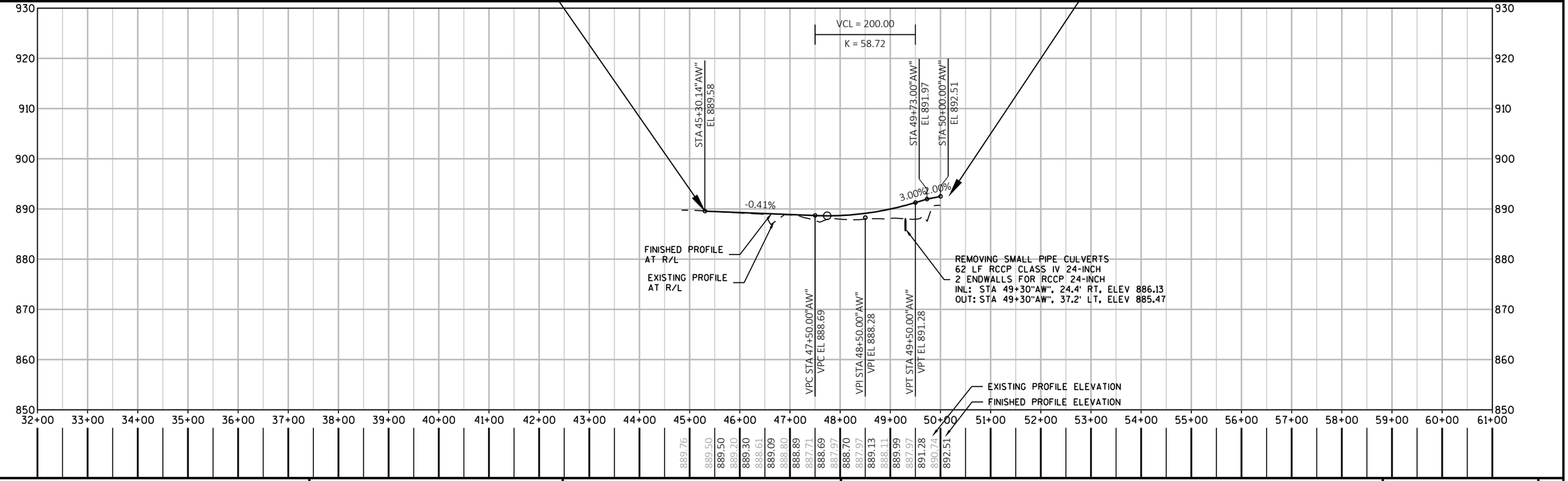




PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: FRENCHTOWN RD	SHEET 291	E

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
NGS DF9765	NGS MONUMENT	46+33.84"AW"	26.77' RT	784,882.89	419,229.92	887.07





PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: CTH A (WEST)	SHEET 292	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050127

PLOT DATE : 8/26/2021 12:56 PM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 127	FENO MONUMENT W/ ALUMINUM CAP	53+06.91"AE"	20.24' LT	786,181.57	420,549.11	889.83

N

SLOPE INTERCEPTS (TYP)
EXISTING R/W (TYP)
PROPSOED R/W (TYP)
TLE (TYP)

PETER R JAHN
INGRID LIND-JAHN

JANET G SORENSON
BRYAN E SORENSON
BART R SORENSON

ALLIANT ENERGY ELECTRIC

FRONTIER TELEPHONE

SUGAR RIVER

FRONTIER TELEPHONE

ALLIANT ENERGY ELECTRIC

79 LF CP CLASS III-B 15-INCH
2 ENDWALLS FOR CP 15-INCH
INL: STA 53+15"AE", 49.5' LT, ELEV 885.33
OUT: STA 52+38"AE", 48.3' LT, ELEV 882.79

BM 127

OLSON/SEVERSON LLC

55"AE"

CTH A

BEGIN CONSTRUCTION
STA. 50+00.00"AE"

JOHN J EVERSON
LINDA C EVERSON

STH 69

100 LF CP CLASS III-B 18-INCH
2 ENDWALLS FOR CP 18-INCH
INL: STA 52+66"AE", 49.3' RT, ELEV 884.47
OUT: STA 51+75"AE", 69.6' RT, ELEV 881.30

TERRY BAKKEN
MICHAEL BAKKEN

END CONSTRUCTION
STA. 54+00.00"AE"
MATCH EXISTING
SAW CUT REQ'D

FRONTIER TELEPHONE

REMOVING SMALL PIPE CULVERTS
112 LF RCCP CLASS III 42-INCH
2 ENDWALLS FOR RCCP 42-INCH
INL: STA 51+25"AE", 61.8' RT, ELEV 876.97
OUT: STA 51+25"AE", 50.6' LT, ELEV 876.53

ALLIANT ENERGY ELECTRIC

BADGER STATE TRAIL

JANET G SORENSON
BRYAN E SORENSON
BART R SORENSON

5

5

STA 50+00.00"AE"
EL 886.96

STA 50+27.00"AE"
EL 888.44

VPC STA 51+00.00"AE"
VPC EL 889.99

VPI STA 52+25.00"AE"
VPI EL 892.64

VPT STA 53+50.00"AE"
VPT EL 891.64

STA 54+00.00"AE"
EL 891.24

-2.50%

+2.12%

-0.80%

EXISTING PROFILE
AT R/L

FINISHED PROFILE
AT R/L

REMOVING SMALL PIPE CULVERTS
112 LF RCCP CLASS III 42-INCH
2 ENDWALLS FOR RCCP 42-INCH
INL: STA 51+25"AE", 61.8' RT, ELEV 876.97
OUT: STA 51+25"AE", 50.6' LT, ELEV 876.53

VCL = 250.00

K = 85.59

EXISTING PROFILE ELEVATION
FINISHED PROFILE ELEVATION

930 920 910 900 890 880 870 860 850

39+00 40+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00 60+00 61+00 62+00 63+00 64+00 65+00 66+00 67+00 68+00

878.84 886.96 886.25 888.93 886.16 889.99 888.07 890.91 890.12 891.53 892.27 891.86 892.07 891.90 891.67 891.64 891.24 890.92 890.82 891.11 891.86 892.94 894.13 895.84 897.59

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: CTH A (EAST)	SHEET 293	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050128

PLOT DATE : 8/26/2021 12:56 PM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:200 FT

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 124	FENO MONUMENT W/ ALUMINUM CAP	52+75.80"HE"	18.33' RT	785,792.78	423,417.38	897.60

N

SLOPE INTERCEPTS (TYP)
EXISTING R/W (TYP)
PROPOSED R/W (TYP)
TLE (TYP)
DANE COUNTY
ALLIANT ENERGY ELECTRIC
ROBERT J KLASSY
JILL A KLASSY
FRONTIER TELEPHONE
KAREN ANN GUNKEL
RICHARD DUSK
CHRISTINE DUSK
PL
STEVEN L VERSNIK
DEBORAH L VERSNIK
JEREMY METRAS
KATRINA LAFFERTY
HENRY RD.
BM 124
FRONTIER TELEPHONE
JAMES M MICHAELS
STH 69
GAFKE LIVING TR
GAFKE LIVING TR
BEGIN CONSTRUCTION
STA. 50+00.00"HE"
ALLIANT ENERGY ELECTRIC
JANET G SORENSON
BRYAN E SORENSON
BART R SORENSON
END CONSTRUCTION
STA. 52+50.00"HE"
MATCH EXISTING
SAW CUT REQ'D
FRONTIER TELEPHONE

5 5

940 930 920 910 900 890 880 870 860

VCL = 140.00
K = 51.84

STA 50+00.00"HE"
EL 895.09
STA 50+27.44"HE"
EL 894.56
STA 52+50.00"HE"
EL 897.95

-0.30%
-1.91%
2.40%

EXISTING PROFILE AT R/L
FINISHED PROFILE AT R/L

VPC STA 50+30.00"HE"
VPC EL 894.56
VPI STA 51+00.00"HE"
VPI EL 894.35
VPT STA 51+70.00"HE"
VPT EL 896.03

EXISTING PROFILE ELEVATION
FINISHED PROFILE ELEVATION

36+00 37+00 38+00 39+00 40+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00 60+00 61+00 62+00 63+00 64+00 65+00 66+00

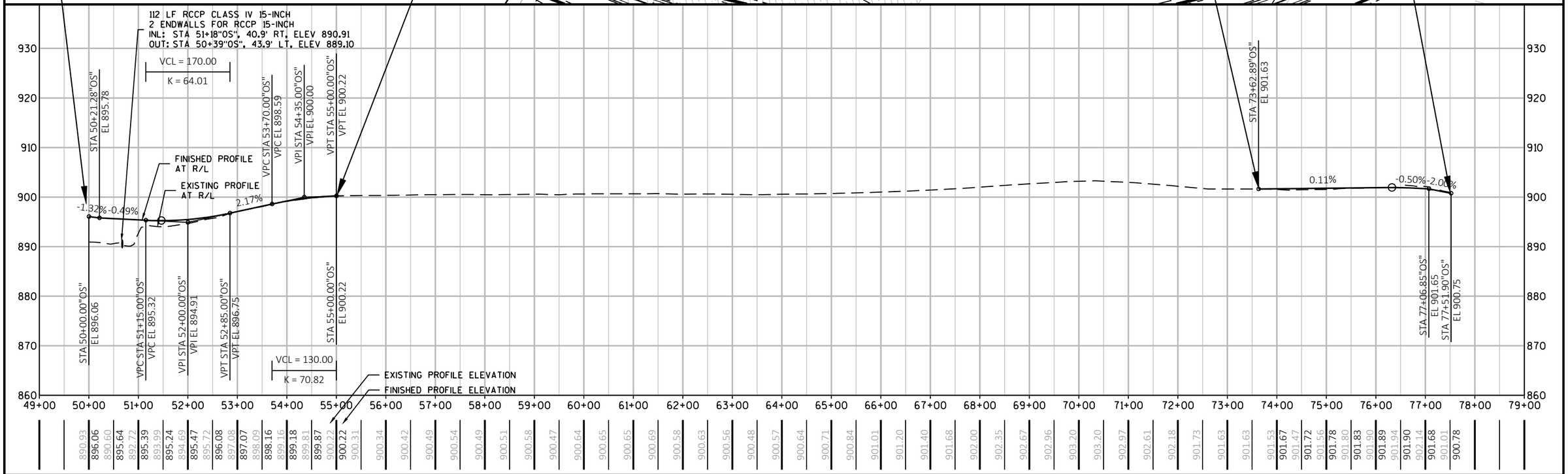
895.24 895.09 895.32 894.53 895.77 894.82 896.42 895.59 897.02 896.75 897.95 897.95 898.77

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: HENRY RD	SHEET 294	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050129
PLOT DATE : 8/26/2021 12:56 PM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:200 FT

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 122	FENO MONUMENT W/ ALUMINUM CAP	239+92.95	116.36' LT	785,319.37	426,148.54	890.15
BM 121	FENO MONUMENT W/ ALUMINUM CAP	60+47.48"OS"	29.30' RT	785,010.41	427,209.76	900.25
BM 120	FENO MONUMENT W/ ALUMINUM CAP	68+10.08"OS"	28.63' LT	784,648.62	427,883.57	898.39

FRONTIER COMMUNICATIONS
ALLIANT ENERGY ELECTRIC
SUGAR RIVER
ZIMMERMAN FT REV TR JOHN B & CAROL A
BM 122
112 LF RCCP CLASS IV 15-INCH
2 ENDWALLS FOR RCCP 15-INCH
INL: STA 51+18"OS", 41' RT, ELEV 890.91
OUT: STA 50+42"OS", 44' LT, ELEV 889.10
STH 69
ENVIRONMENTALLY SENSITIVE AREA
SEE SPECIAL PROVISIONS FOR COMMITMENTS
ALLIANT ENERGY ELECTRIC
29.2°
55"OS"
OLD HWY 69
60"OS"
BM 121
CAUTION
NORTHERN NATURAL GAS
EXISTING R/W (TYP)
FRONTIER COMMUNICATIONS
ENVIRONMENTALLY SENSITIVE AREA
SEE SPECIAL PROVISIONS FOR COMMITMENTS
SARBACKER LAND COMPANY LLC
BM 120
65"OS"
70"OS"
75"OS"
REMOVING SMALL PIPE CULVERTS
22 LF CP CLASS IV 15-INCH
2 ENDWALLS FOR CP 15-INCH
INL: STA 76+82"OS", 61.5' LT, ELEV 898.49
OUT: STA 76+94"OS", 73.4' LT, ELEV 898.31
REMOVING SMALL PIPE CULVERTS
20 LF CP CLASS IV 18-INCH
2 ENDWALLS FOR CP 18-INCH
INL: STA 75+47"OS", 39.7' RT, ELEV 898.87
OUT: STA 75+27"OS", 41.3' RT, ELEV 898.77
N
END RECONSTRUCTION/BEGIN MILL AND OVERLAY
STA. 52+85.40"OS"
MATCH EXISTING SAW CUT REQ'D
ZIMMERMAN FT REV TR JOHN B & CAROL A
BEGIN CONSTRUCTION
STA. 50+00.00"OS"
SARBACKER LAND COMPANY LLC
END MILL AND OVERLAY/BEGIN RECONSTRUCTION
STA. 73+62.89"OS"
MATCH EXISTING SAW CUT REQ'D
END CONSTRUCTION
STA. 77+51.90"OS"
TLE (TYP)
PROPOSED R/W (TYP)
SLOPE INTERCEPTS (TYP)
5
5



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: OLD STH 69	SHEET 295	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050130
PLOT DATE : 8/26/2021 12:57 PM
PLOT BY : BRAD GROH
PLOT NAME :
PLOT SCALE : 1 IN:200 FT

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 119	FENO MONUMENT W/ ALUMINUM CAP	52+76.72"DN"	25.14' LT	784,207.58	429,170.64	898.36

N

NANCY J RANDALL

ATC ELECTRIC

MONTROSE, TOWN OF

BRUCE JORDAN
DONNA JORDAN

REMOVING SMALL CULVERT PIPES
40 & 39 LF CP CLASS IV 15-INCH
4 ENDWALLS FOR CP 15-INCH
INL: STA 53+19"DN", 34.8' LT, ELEV 897.74
STA 53+18"DN", 88.6' LT, ELEV 897.75
OUT: STA 52+79"DN", 37.6' LT, ELEV 897.18
STA 52+79"DN", 41.3' LT, ELEV 897.19

MONTROSE, TOWN OF

WAYNE T ENLOE

FRONTIER TELEPHONE

ALLIANT ENERGY, ELECTRIC

MG&E GAS

CAUTION

RANDY K HAAK
BERNADINE A HAAK

REMOVING SMALL CULVERT PIPES
2-19 LF CP CLASS IV 15-INCH
4 ENDWALLS FOR CP 15-INCH
INL: STA 53+61"DN", 31.4' LT, ELEV 898.35
STA 53+61"DN", 35.3' LT, ELEV 898.35
OUT: STA 53+42"DN", 33.1' LT, ELEV 898.08
STA 53+42"DN", 36.9' LT, ELEV 898.09

55"DN"

DIANE AVE.

MG&E GAS

CAUTION

BM 119

TDS TELEPHONE

WILLIAM LOBECK

THOMAS C MCSHERRY

CAROL A KELLER

WILLIAM/DIANNE FROEHLICH

PETER BURNS

BEGIN CONSTRUCTION
STA. 50+00.00"DN"

3 REMOVING SMALL CULVERT PIPES
3-56 LF CPRCHE CLASS HE-IV 29X45-INCH
6 ENDWALLS FOR CPRCHE 29X45-INCH
INL: STA 52+59"DN", 30.6' RT, ELEV 897.20
STA 52+65"DN", 30.6' RT, ELEV 897.20
STA 52+71"DN", 30.6' RT, ELEV 897.20
OUT: STA 52+59"DN", 25.1' LT, ELEV 896.42
STA 52+65"DN", 25.1' LT, ELEV 896.42
STA 52+71"DN", 25.1' LT, ELEV 896.42

PL

END CONSTRUCTION
STA. 54+00.00"DN"
MATCH EXISTING
SAW CUT REQ'D

ALLIANT ENERGY ELECTRIC

70"OS"

EXISTING STH 69

EXISTING R/W (TYP)

FRONTIER TELEPHONE

SARBACKER LAND COMPANY LLC

2-86 LF RCCP CLASS IV 24-INCH
4 ENDWALLS FOR RCCP 24-INCH
INL: STA 50+80"DN", 44.0' RT, ELEV 896.20
STA 50+85"DN", 44.0' RT, ELEV 896.20
OUT: STA 50+80"DN", 42.0' LT, ELEV 896.00
STA 50+85"DN", 42.0' LT, ELEV 896.00

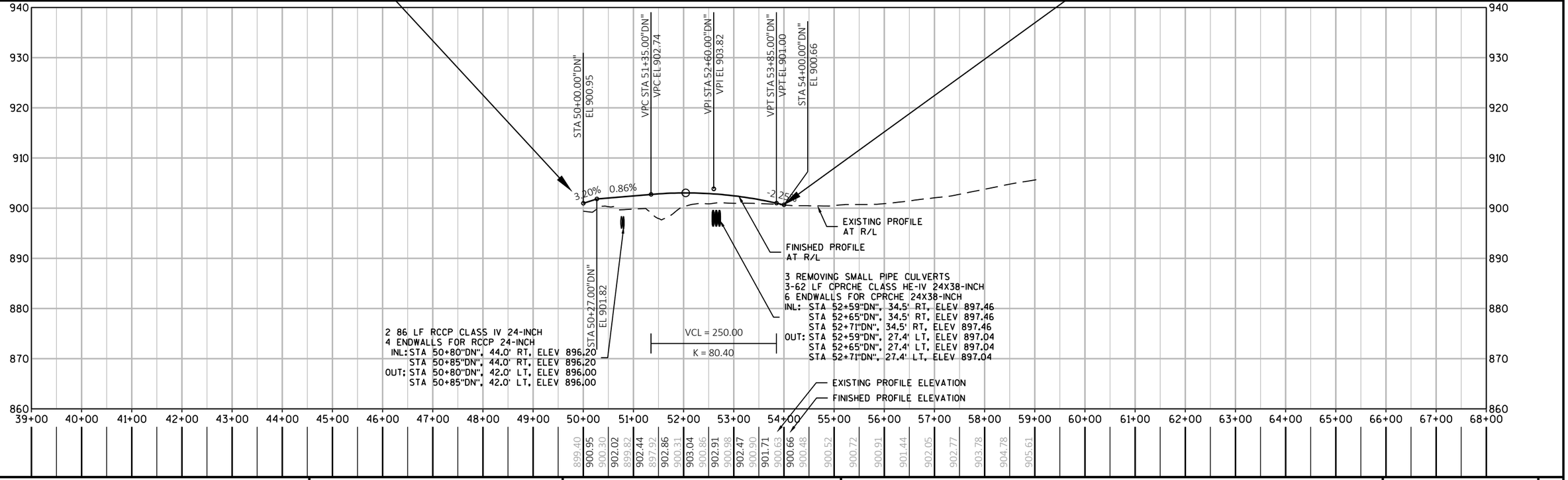
TLE (TYP)

PROPOSED R/W (TYP)

SLOPE INTERCEPTS (TYP)

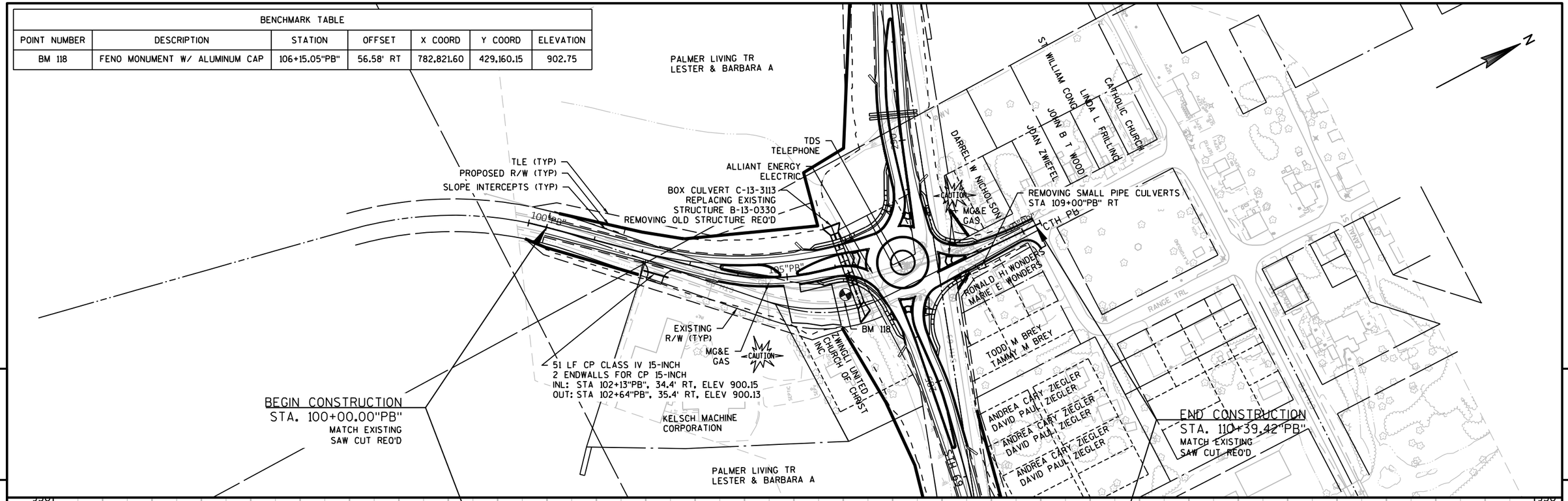
5

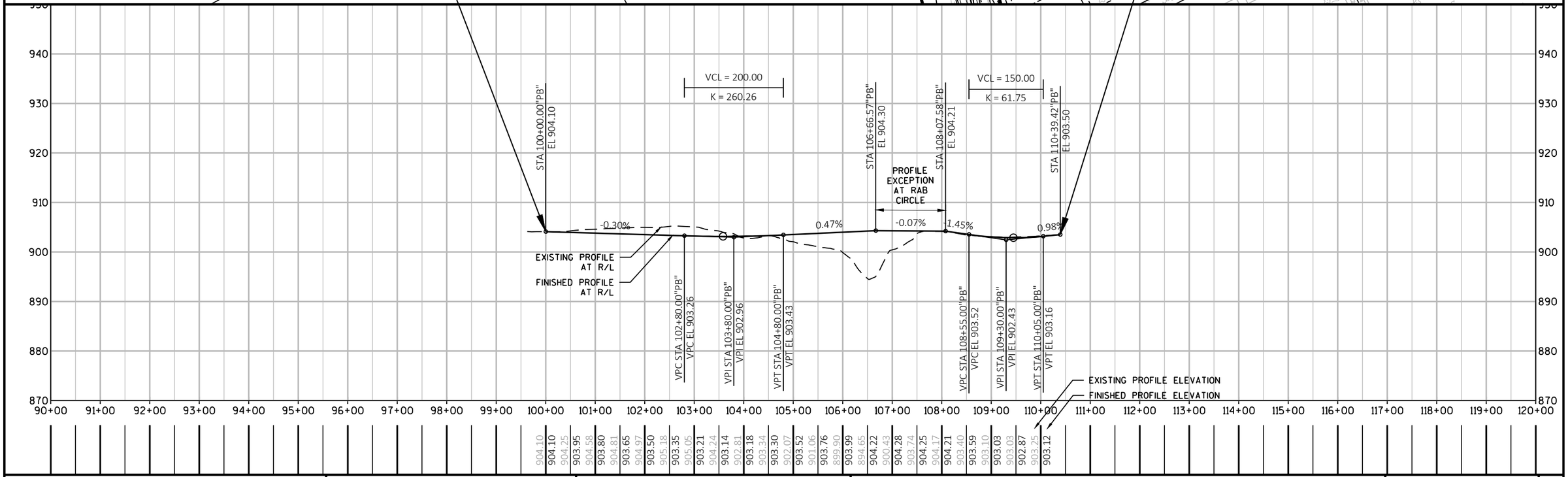
5



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: DIANE AVE	SHEET 296	E

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 118	FENO MONUMENT W/ ALUMINUM CAP	106+15.05"PB"	56.58' RT	782,821.60	429,160.15	902.75

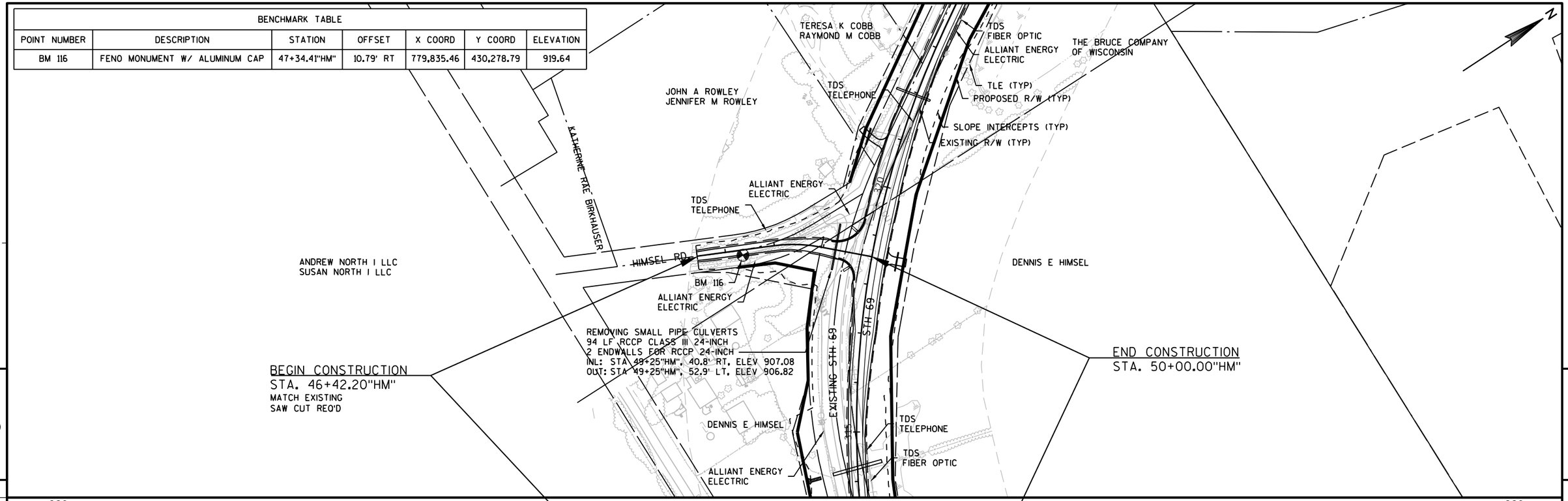


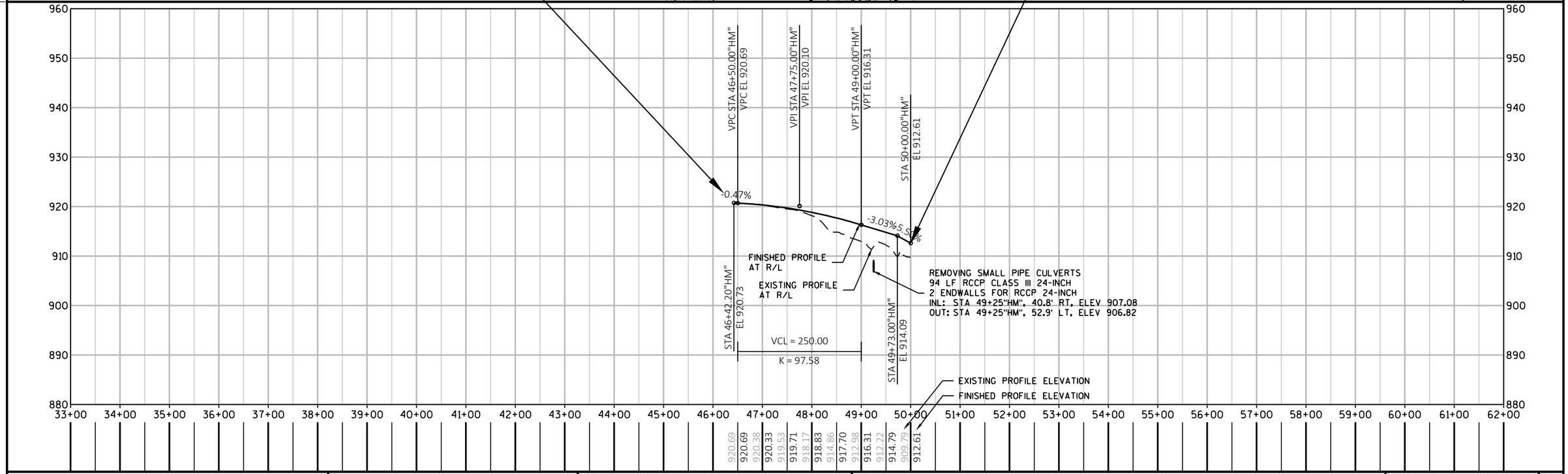


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: CTH PB NB	SHEET 297	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050132
PLOT DATE : 8/26/2021 12:58 PM
PLOT BY : BRAD GROH
PLOT NAME :
PLOT SCALE : 1 IN:200 FT

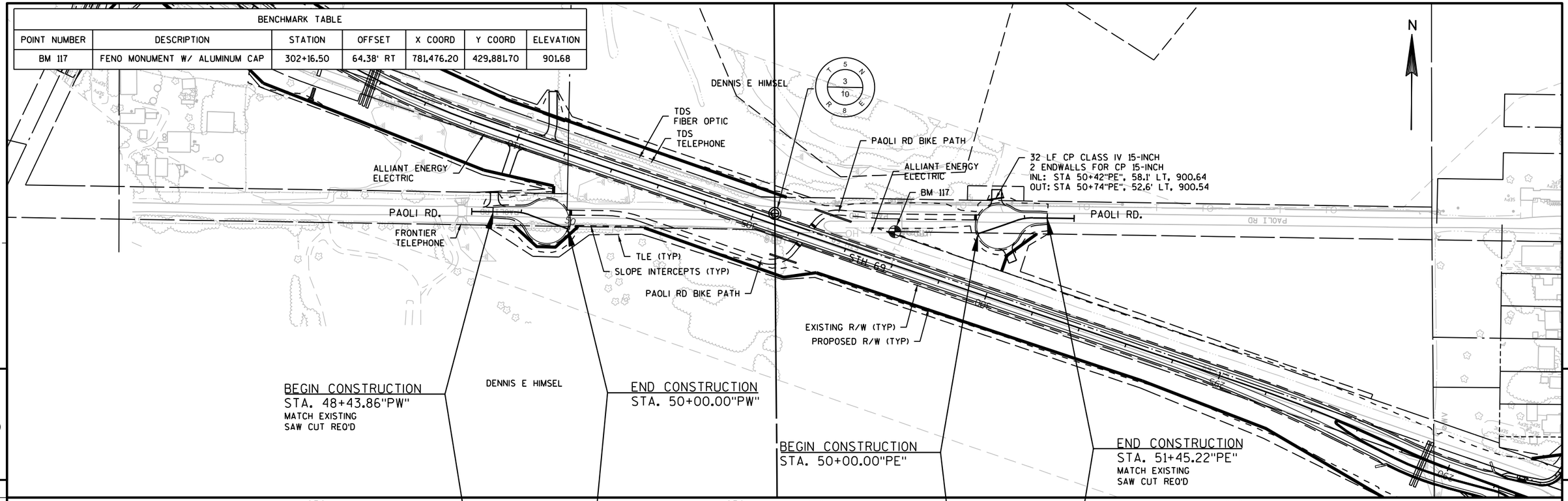
BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 116	FENO MONUMENT W/ ALUMINUM CAP	47+34.41"HM"	10.79' RT	779,835.46	430,278.79	919.64

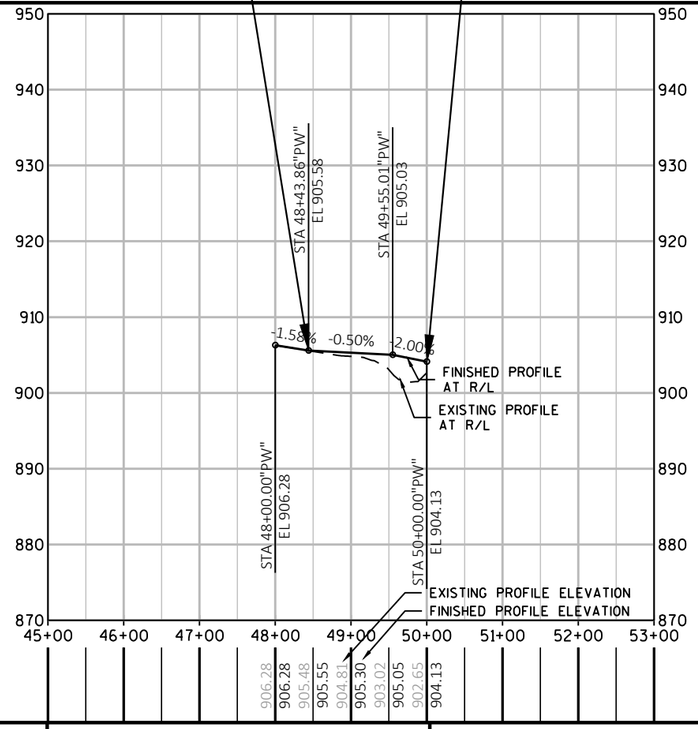


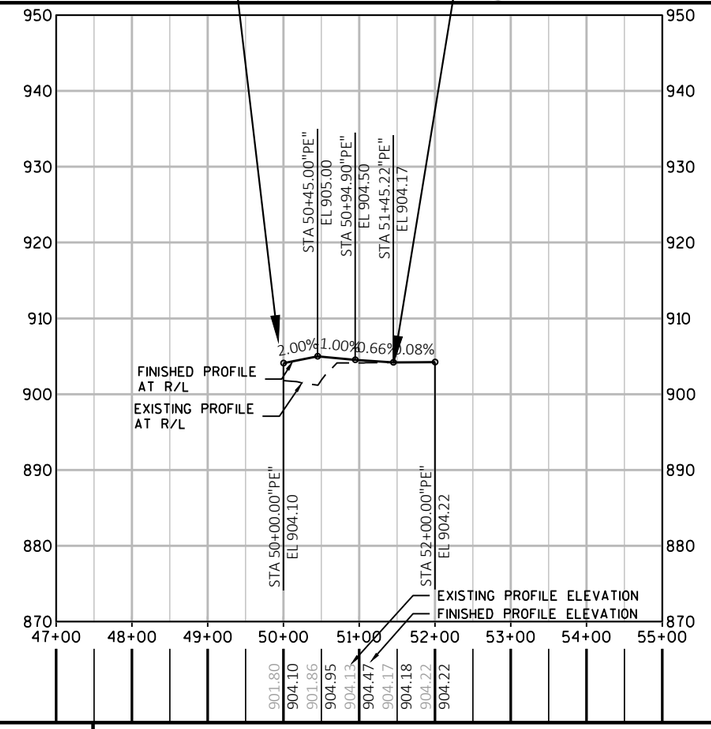


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: HIMSEL RD	SHEET 298	E

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 117	FENO MONUMENT W/ ALUMINUM CAP	302+16.50	64.38' RT	781,476.20	429,881.70	901.68







PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: PAOLI RD CUL DE SACS	SHEET 299	E

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 114	FENO MONUMENT W/ ALUMINUM CAP	46+61.98"SC"	15.56' LT	778,306.61	432,599.94	908.93

REMOVING SMALL PIPE CULVERTS
62 LF RCCP CLASS III 24-INCH
2 ENDWALLS FOR RCCP 24-INCH
INL: STA 48+40"SC", 27.5' LT, ELEV 908.49
OUT: STA 48+40"SC", 34.0' RT, ELEV 908.31

22 LF CP CLASS IV 15-INCH
2 ENDWALLS FOR CP 15-INCH
INL: STA 47+77"SC", 31.2' LT, ELEV 908.54
OUT: STA 47+99"SC", 32.0' LT, ELEV 908.52

TDS TELEPHONE
DONALD P SCHALLER
KATHRYN SCHALLER
ALLIANT ENERGY ELECTRIC
TLE (TYP)
PROPOSED R/W (TYP)
SLOPE INTERCEPTS (TYP)
EXISTING R/W (TYP)
THE BRUCE COMPANY OF WISCONSIN
ALLIANT ENERGY ELECTRIC
BM 114
SCHALLER RD.
45"SC"
TDS FIBER OPTIC
TDS TELEPHONE
PL
ALLIANT ENERGY ELECTRIC
TDS FIBER OPTIC
BEGIN CONSTRUCTION
STA. 45+50.00"SC"
MATCH EXISTING
SAW CUT REQ'D
END CONSTRUCTION
STA. 50+00.00"SC"
PRAIRIELAND DAIRY LLC
JAMES E FAHEY
TDS TELEPHONE
THE BRUCE COMPANY OF WISCONSIN
N

950 940 930 920 910 900 890 880 870

VCL = 190.00
K = 111.17
VCL = 170.00
K = 112.65

STA 45+50.00"SC" EL 910.95
VPC STA 45+55.00"SC" VPC EL 910.96
VPI STA 46+50.00"SC" VPI EL 911.25
VPT STA 47+45.00"SC" VPT EL 913.15
VPC STA 47+90.00"SC" VPC EL 914.06
VPI STA 48+75.00"SC" VPI EL 915.77
STA 49+73.00"SC" EL 916.26
VPT STA 49+60.00"SC" VPT EL 916.19
STA 50+00.00"SC" EL 914.91

FINISHED PROFILE AT R/L
EXISTING PROFILE AT R/L
0.30%
2.01%
0.50%
5.00%

REMOVING SMALL PIPE CULVERTS
62 LF RCCP CLASS III 24-INCH
2 ENDWALLS FOR RCCP 24-INCH
INL: STA 48+40"SC", 27.5' LT, ELEV 908.49
OUT: STA 48+40"SC", 34.0' RT, ELEV 908.31

EXISTING PROFILE ELEVATION
FINISHED PROFILE ELEVATION

32+00 33+00 34+00 35+00 36+00 37+00 38+00 39+00 40+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00 60+00 61+00

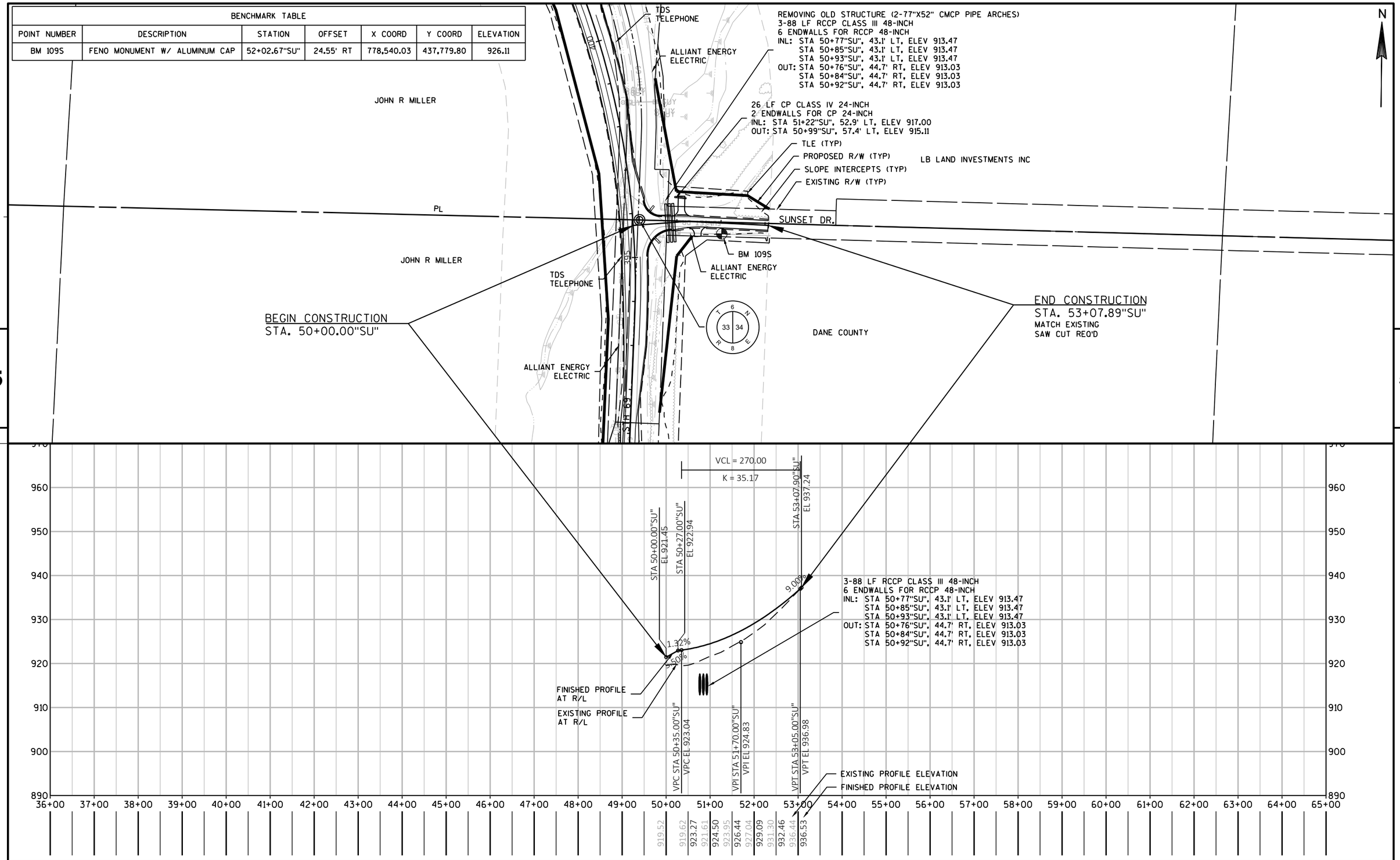
910.84 910.85 910.95 910.95 911.01 911.19 910.82 911.65 910.89 912.34 910.97 913.25 910.76 914.25 908.66 915.10 909.41 915.73 912.46 916.14 911.09 914.91

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: SCHALLER RD	SHEET 300	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050134
PLOT DATE : 8/26/2021 12:59 PM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 109S	FENO MONUMENT W/ ALUMINUM CAP	52+02.67"SU"	24.55' RT	778,540.03	437,779.80	926.11



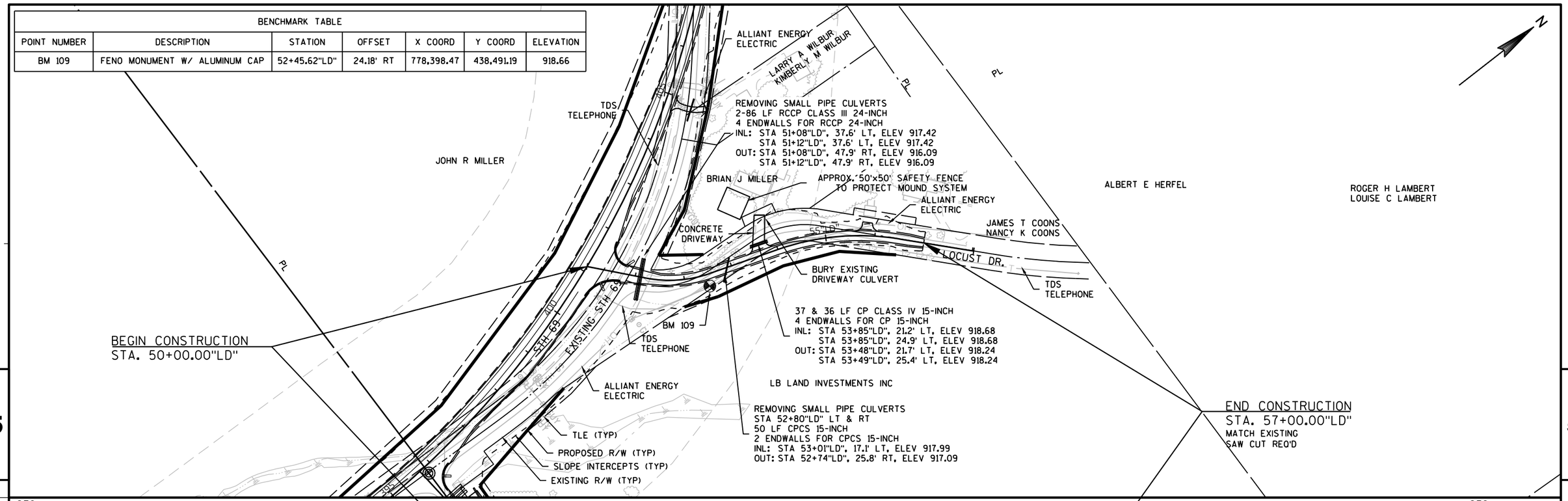
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: SUNSET DR	SHEET 301	E

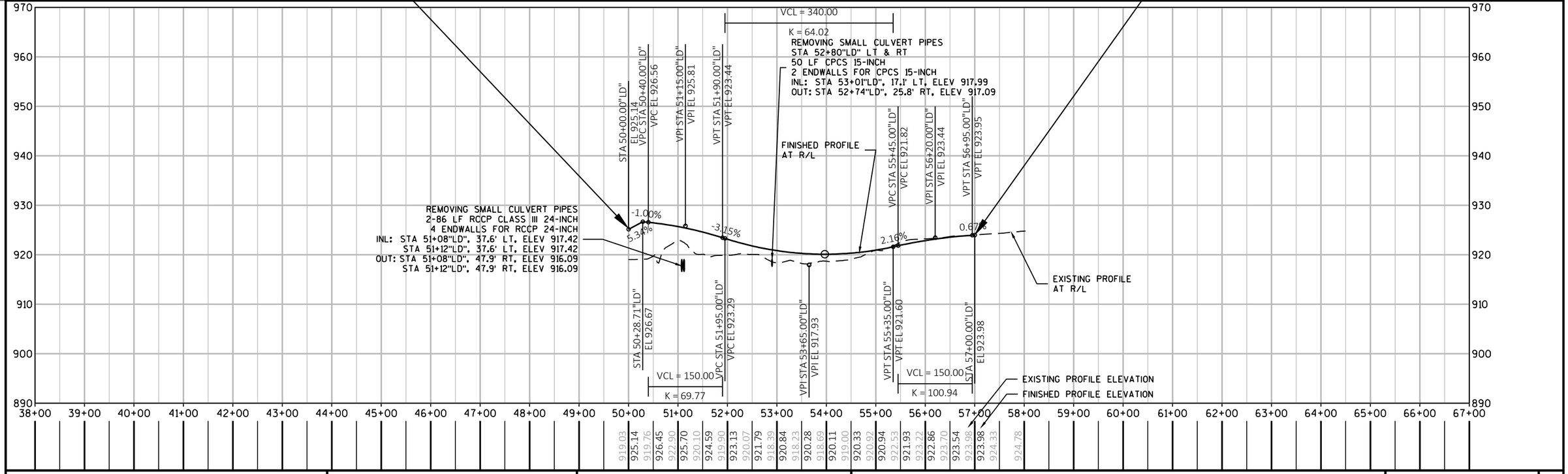
FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050135

PLOT DATE : 8/26/2021 12:59 PM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

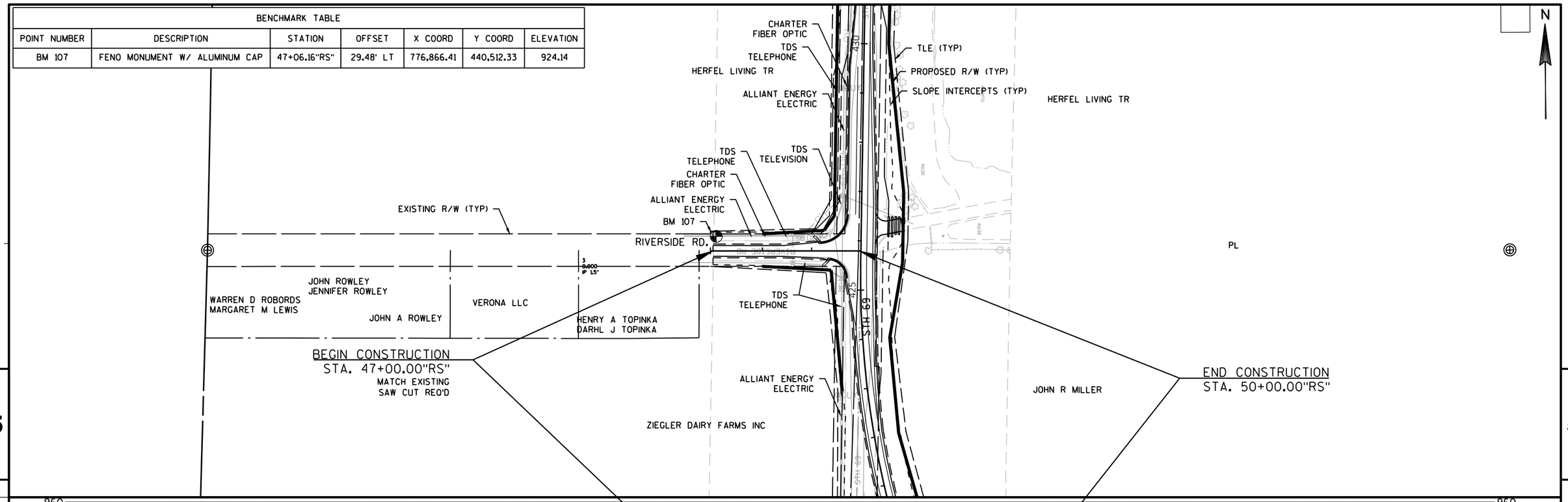
BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 109	FENO MONUMENT W/ ALUMINUM CAP	52+45.62"LD"	24.18' RT	778,398.47	438,491.19	918.66





PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: LOCUST DR	SHEET 302	E

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 107	FENO MONUMENT W/ ALUMINUM CAP	47+06.16"RS"	29.48' LT	776,866.41	440,512.33	924.14



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: RIVERSIDE RD	SHEET 303	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050137

PLOT DATE : 8/26/2021 1:00 PM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:200 FT

BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 106	FENO MONUMENT W/ ALUMINUM CAP	438+92.28	46.65' RT	777,239.46	441,791.30	928.60

N

WELLS FARGO BANK NA

JEFFREY W SINGER
MELISSA D SINGER

CLEMENT J LAMERE
KAREN A LAMERE

DAVID M DRESSER
SHELLIE A DRESSER

ALLIANT ENERGY
ELECTRIC

SLOPE INTERCEPTS (TYP)
EXISTING R/W (TYP)
TLE (TYP)
PROPOSED R/W (TYP)

RICHARD J FAHEY
MARY E FAHEY

FIBER OPTIC

HERFEL LIVING TR

REMOVING SMALL PIPE CULVERTS
31 LF CP CLASS III-B 15-INCH
2 ENDWALLS FOR CP 15-INCH
INL: STA 50+74"M", 31.9' LT, ELEV 927.63
OUT: STA 51+05"M", 30.0' LT, ELEV 927.39

MANHATTAN DR.

HELLENBRAND REV TR,
LAWRENCE A & AGNES E

TDS
TELEPHONE

GOFF CONSTRUCTION

STH 69

440

REMOVING SMALL PIPE CULVERTS
2-46 LF RCCP CLASS IV 15-INCH
4 ENDWALLS FOR RCCP 15-INCH
INL: STA 51+28"M", 21.4' LT, ELEV 927.17
STA 51+32"M", 21.4' LT, ELEV 927.17
OUT: STA 51+28"M", 24.2' RT, ELEV 926.93
STA 51+32"M", 24.2' RT, ELEV 926.93

TDS
TELEVISION

HERFEL LIVING TR

BM 106

TDS
TELEPHONE

BEGIN CONSTRUCTION
STA. 50+00.00"M"

END CONSTRUCTION
STA. 52+75.00"M"
MATCH EXISTING
SAW CUT REQ'D

HERFEL LIVING TR

5

5

970

970

VCL = 240.00

K = 141.23

STA 50+00.00"M"
EL 932.67

STA 50+27.00"M"
EL 932.13

STA 52+75.00"M"
EL 930.54

3.00%

1.50%

0.20%

FINISHED PROFILE
AT R/L

EXISTING PROFILE
AT R/L

VPC STA 50+30.00"M"
VPC EL 932.09

VPI STA 51+50.00"M"
VPI EL 930.29

VPT STA 52+70.00"M"
VPT EL 930.53

2-46 LF RCCP CLASS IV 15-INCH
4 ENDWALLS FOR RCCP 15-INCH
INL: STA 51+28"M", 21.4' LT, ELEV 927.17
STA 51+32"M", 21.4' LT, ELEV 927.17
OUT: STA 51+28"M", 24.2' RT, ELEV 926.93
STA 51+32"M", 24.2' RT, ELEV 926.93

EXISTING PROFILE ELEVATION
FINISHED PROFILE ELEVATION

960 950 940 930 920 910 900 890

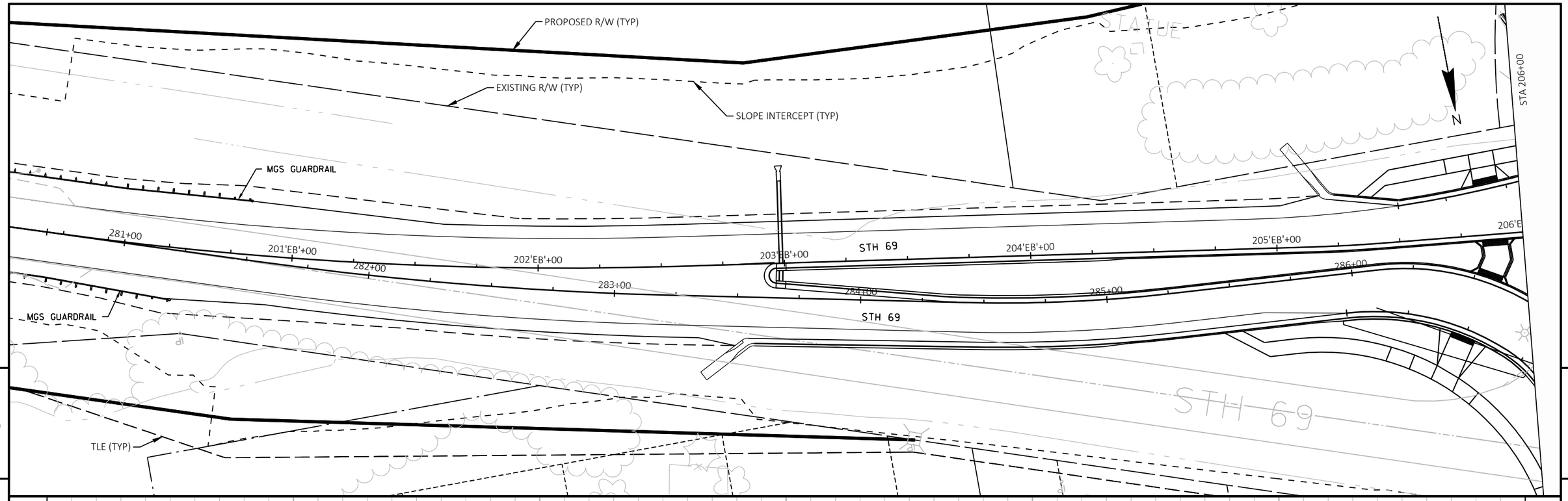
36+00 37+00 38+00 39+00 40+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00 60+00 61+00 62+00 63+00 64+00 65+00

930.17 932.67 929.78 931.80 930.13 931.21 930.48 930.80 930.55 930.56 930.51 930.50

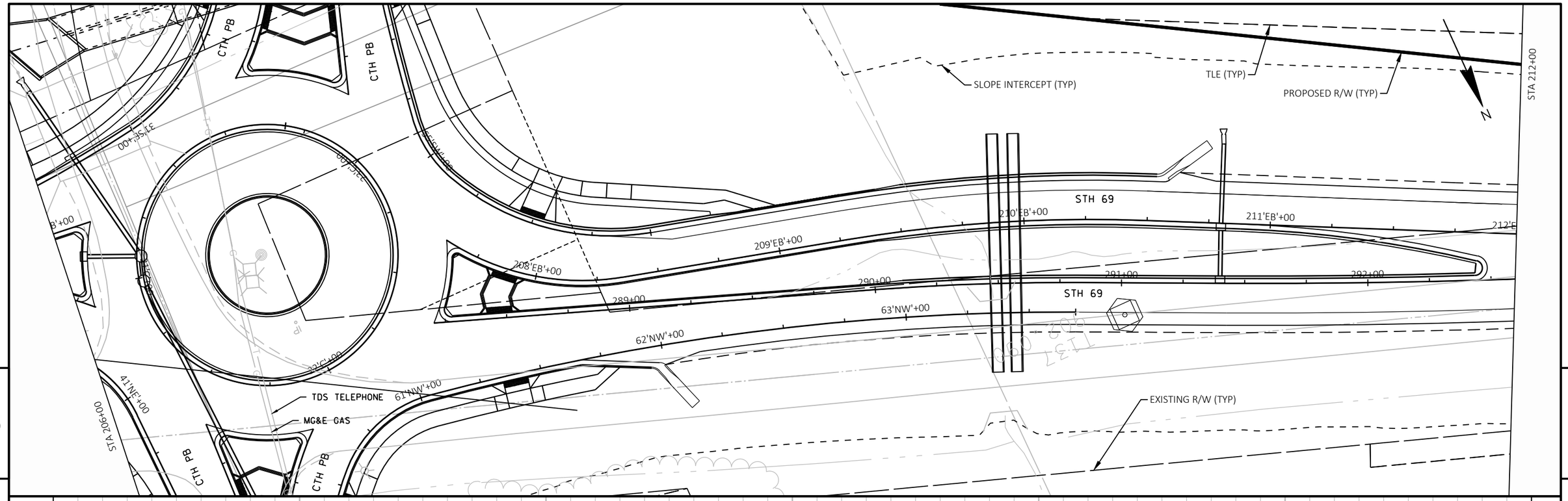
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: MANHATTAN DR	SHEET 304	E

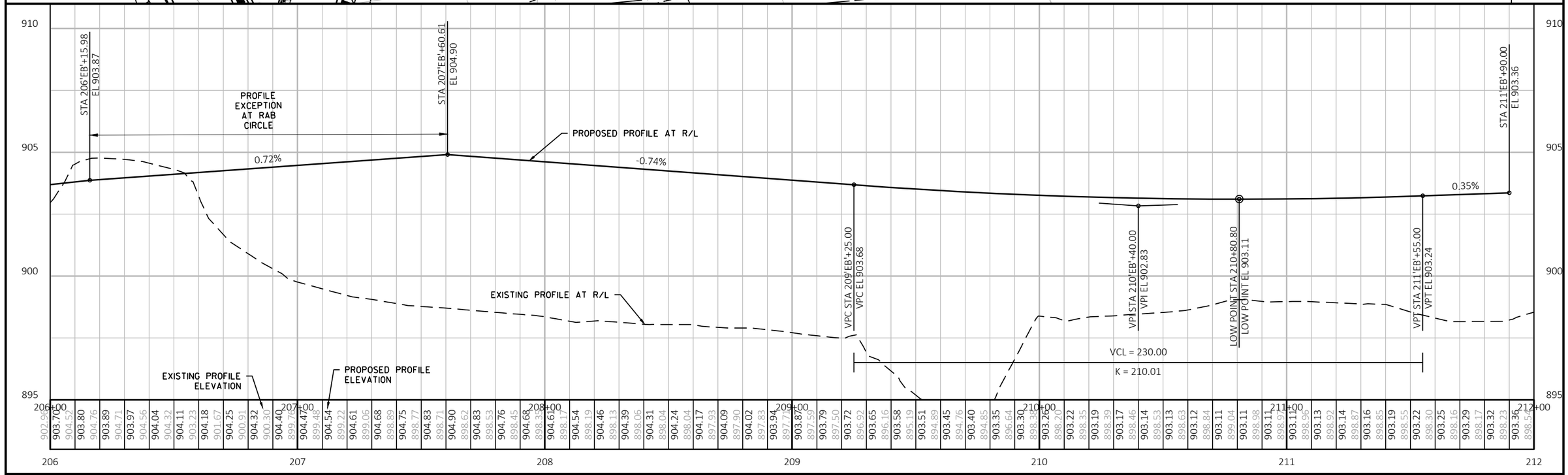
FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050138

PLOT DATE : 8/26/2021 1:01 PM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:200 FT

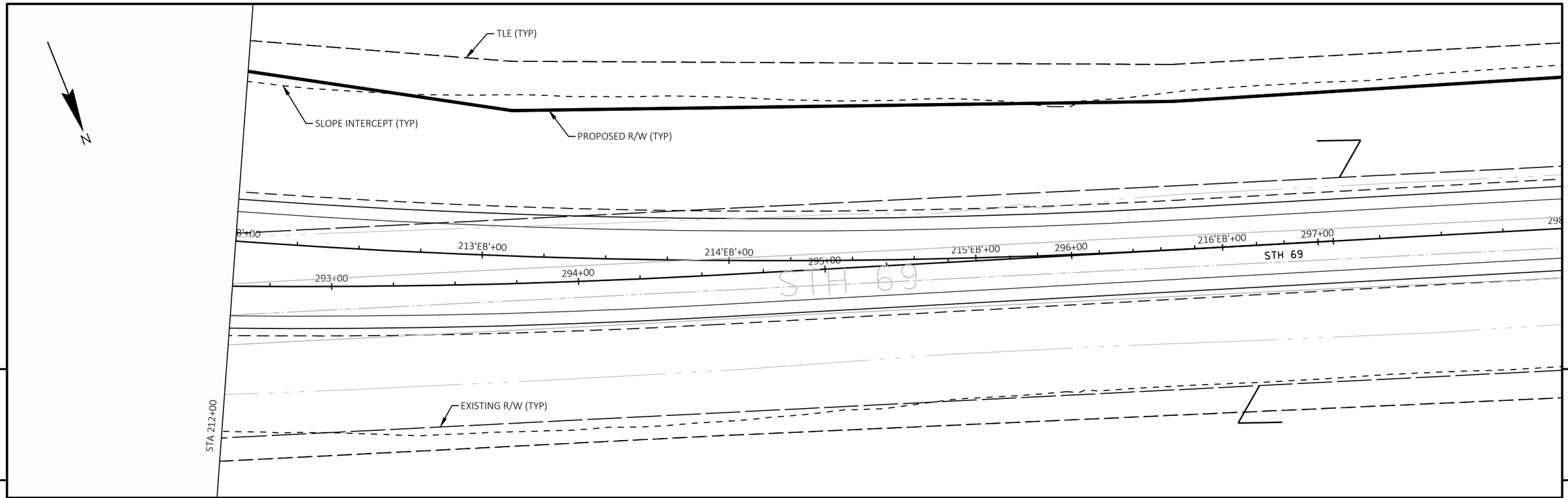


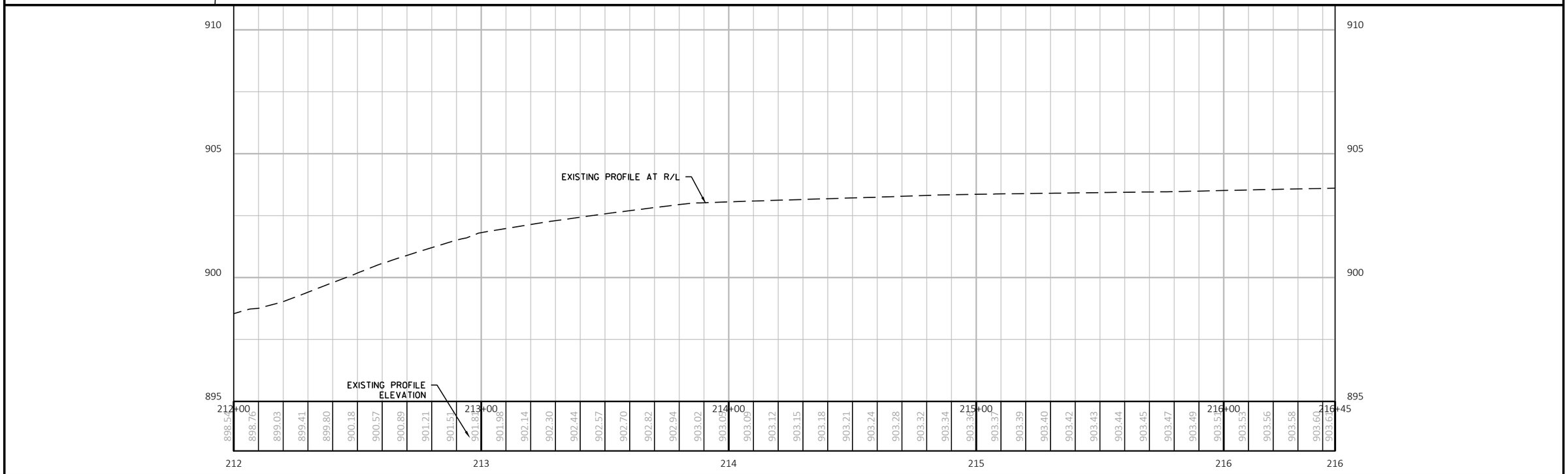
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: RAB - EB STH 69	SHEET 305	E





PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: RAB - EB STH 69	SHEET 306	E

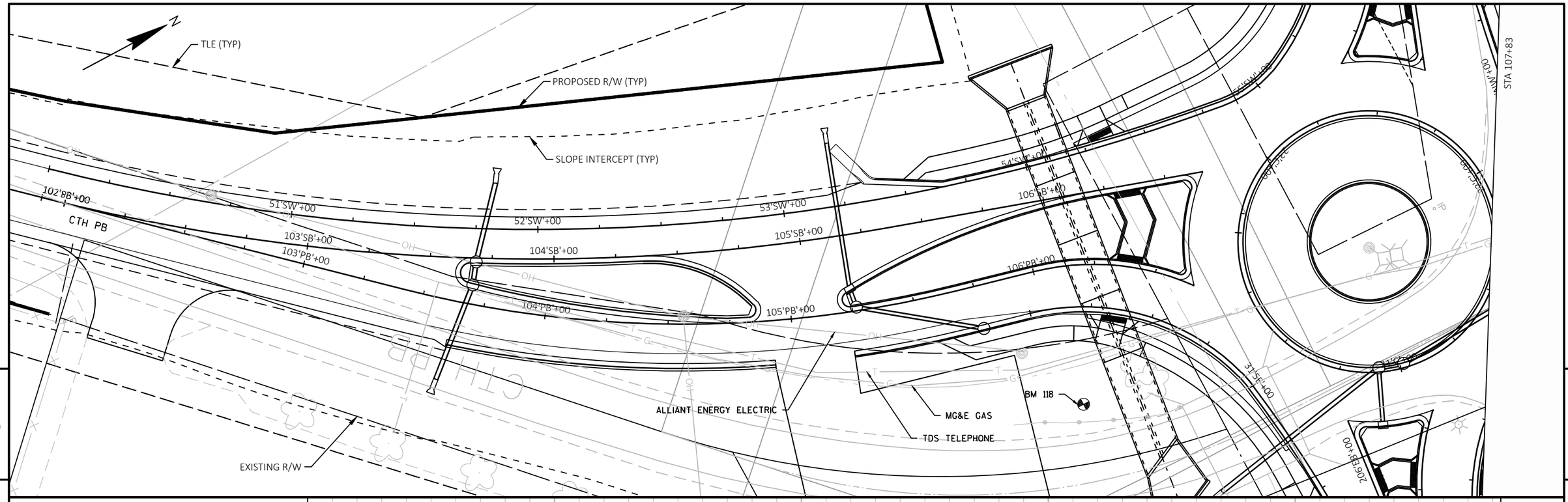


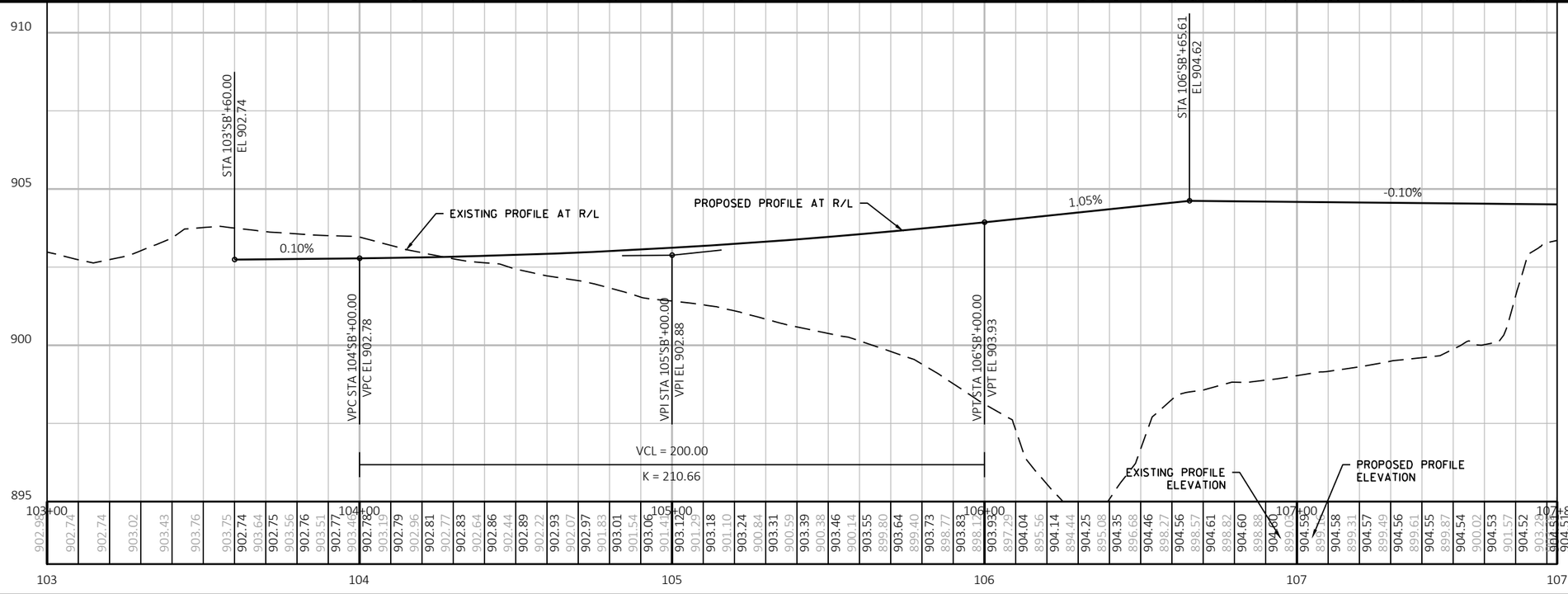


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: RAB - EB STH 69	SHEET 307	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 050141

PLOT DATE : 6/28/2021 11:15 AM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT



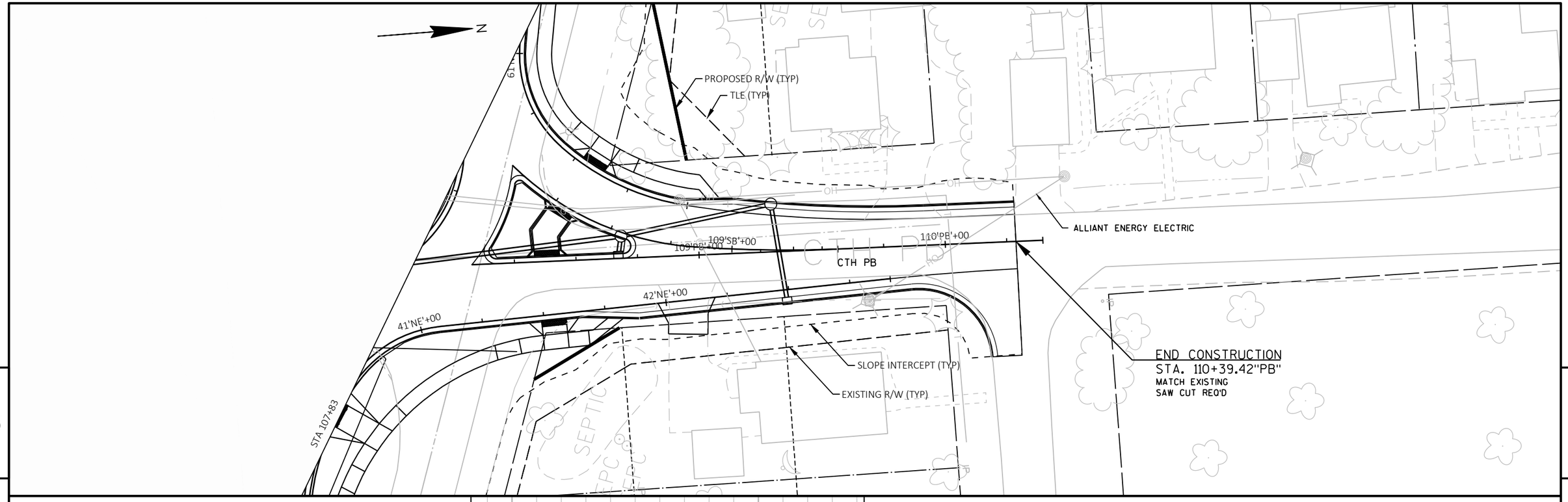


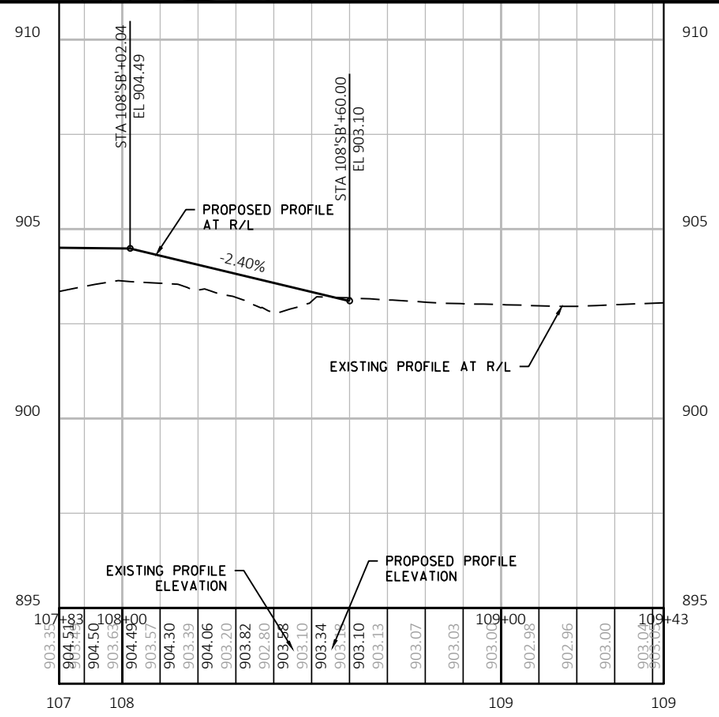
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: RAB - SB CTH PB	SHEET 308 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 050142

PLOT DATE : 6/28/2021 11:16 AM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

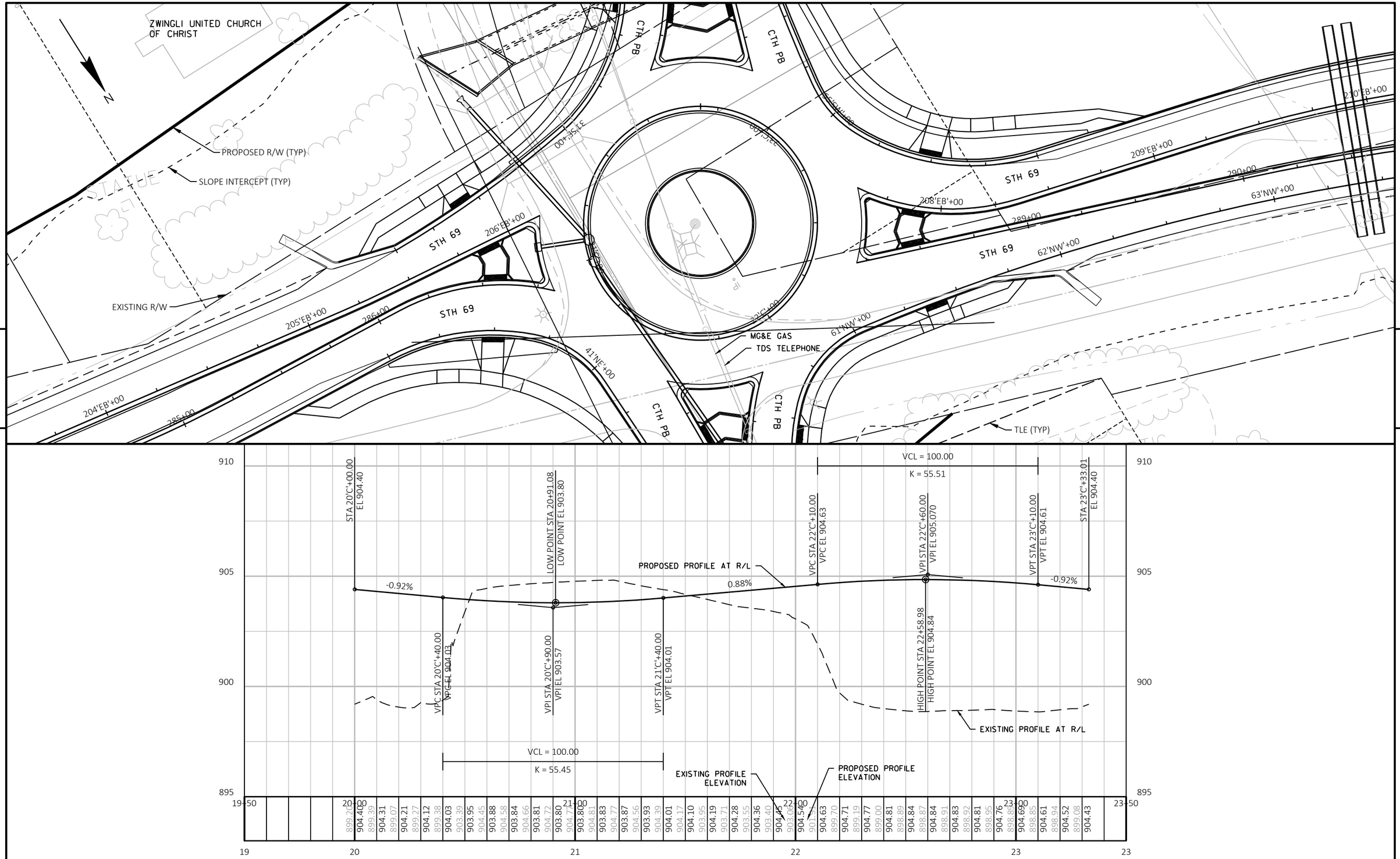
WISDOT/CADDS SHEET 44





PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: RAB - SB CTH PB	SHEET 309	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 050143
PLOT DATE : 6/28/2021 11:16 AM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

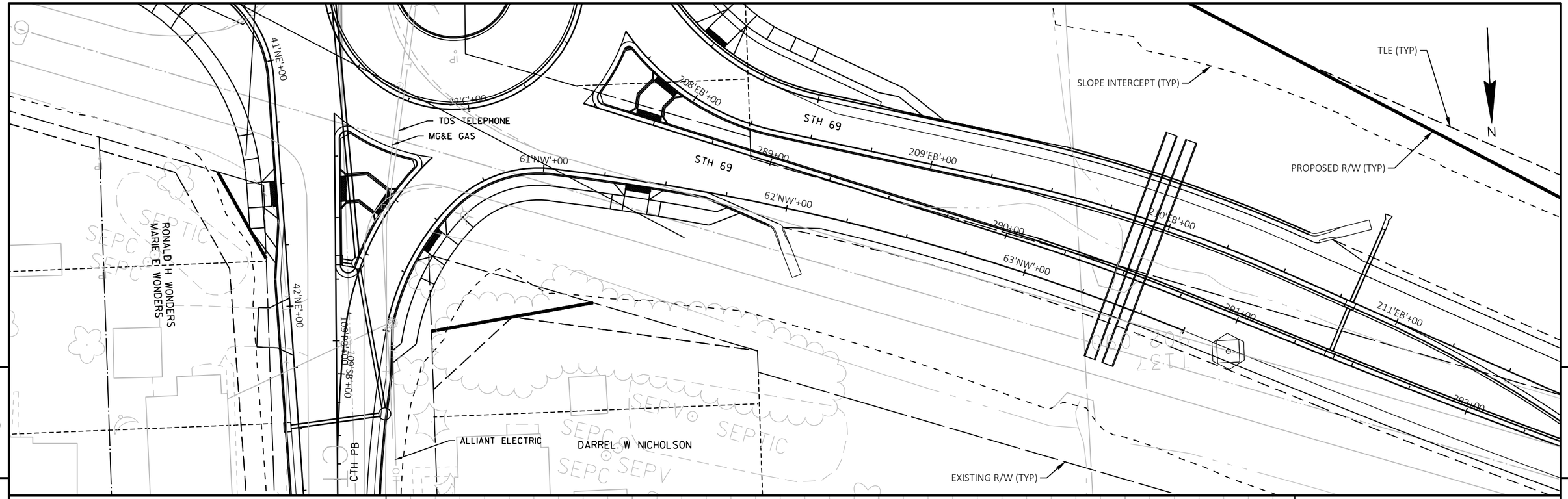


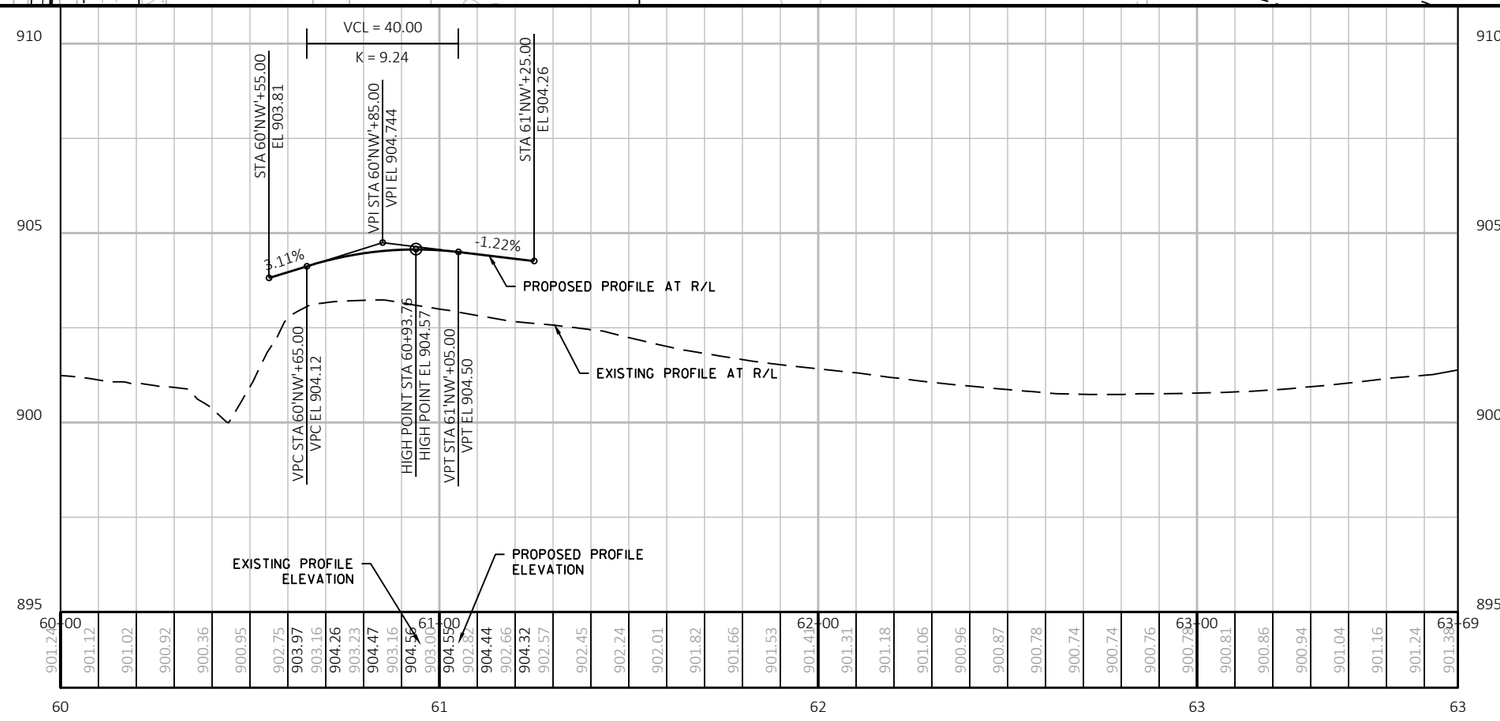
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: RAB - CIRCULATORY ROADWAY	SHEET 310	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 050144

PLOT DATE : 6/28/2021 11:17 AM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

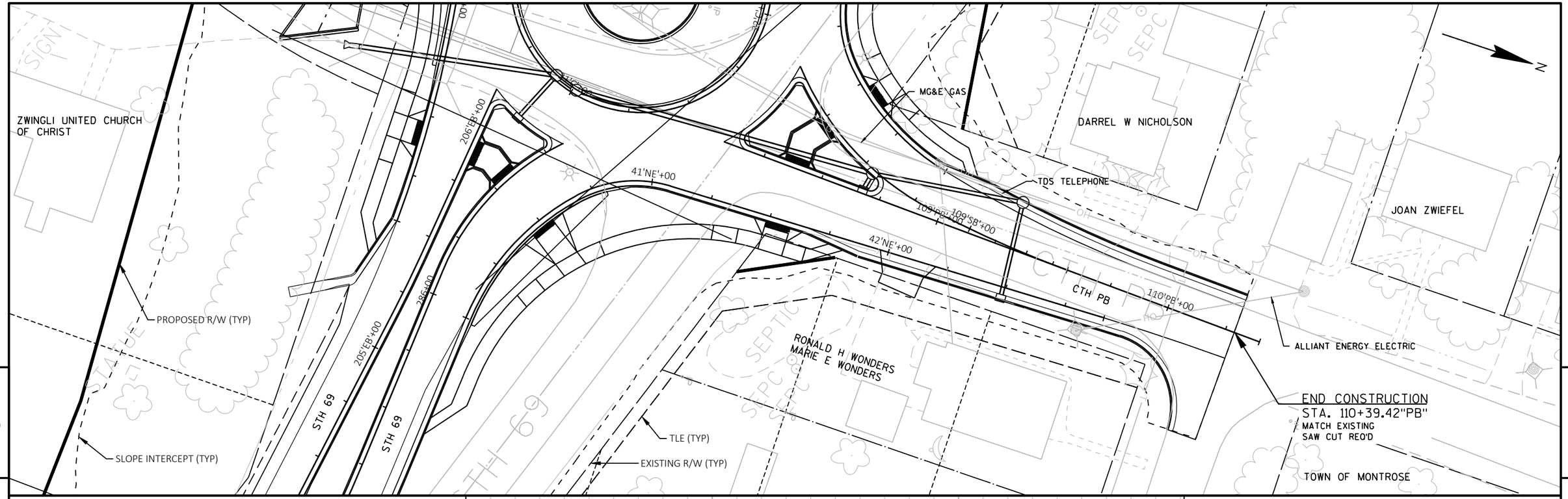




PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: RAB - NW RL	SHEET 311	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 050145

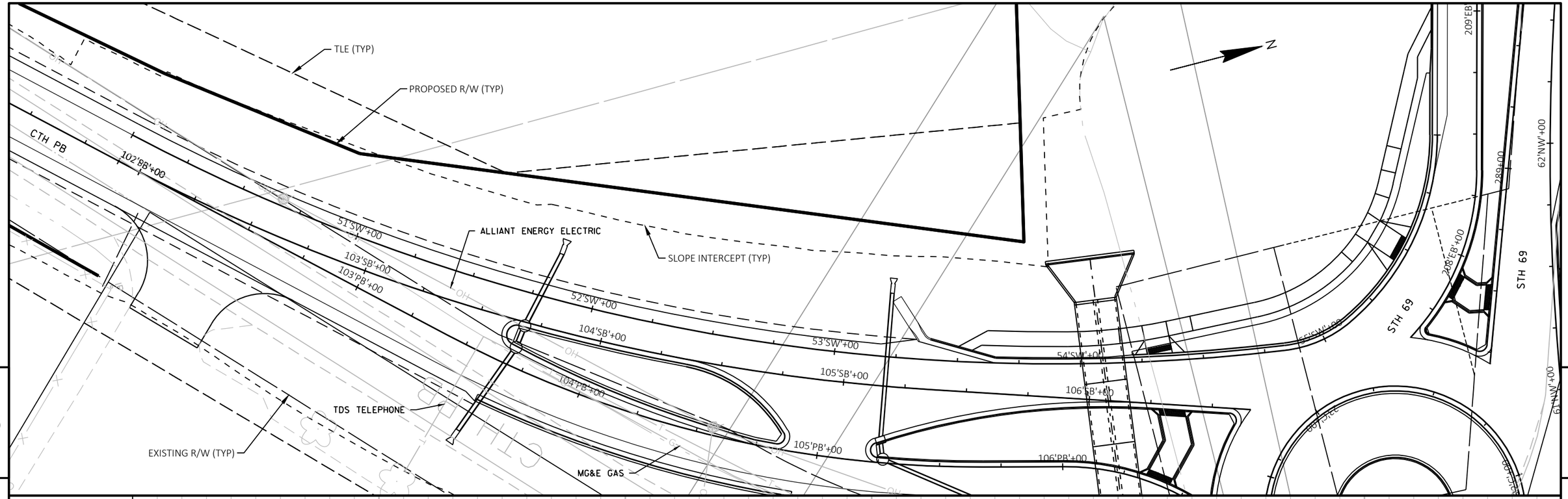
PLOT DATE : 6/28/2021 11:17 AM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

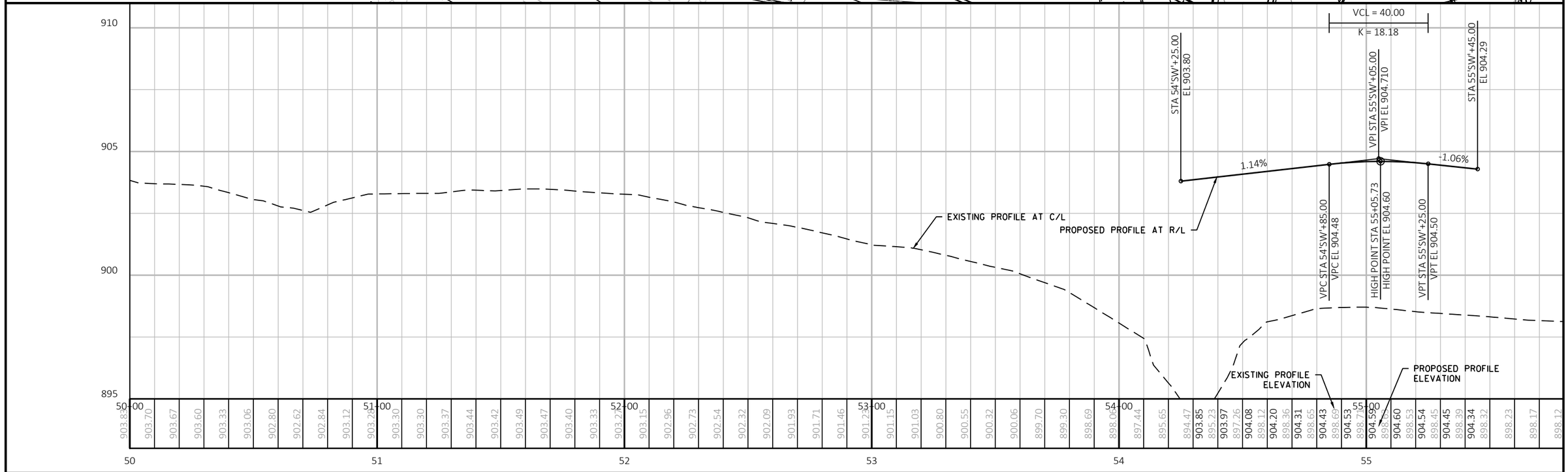


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: RAB - NE RL	SHEET 312	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 050146

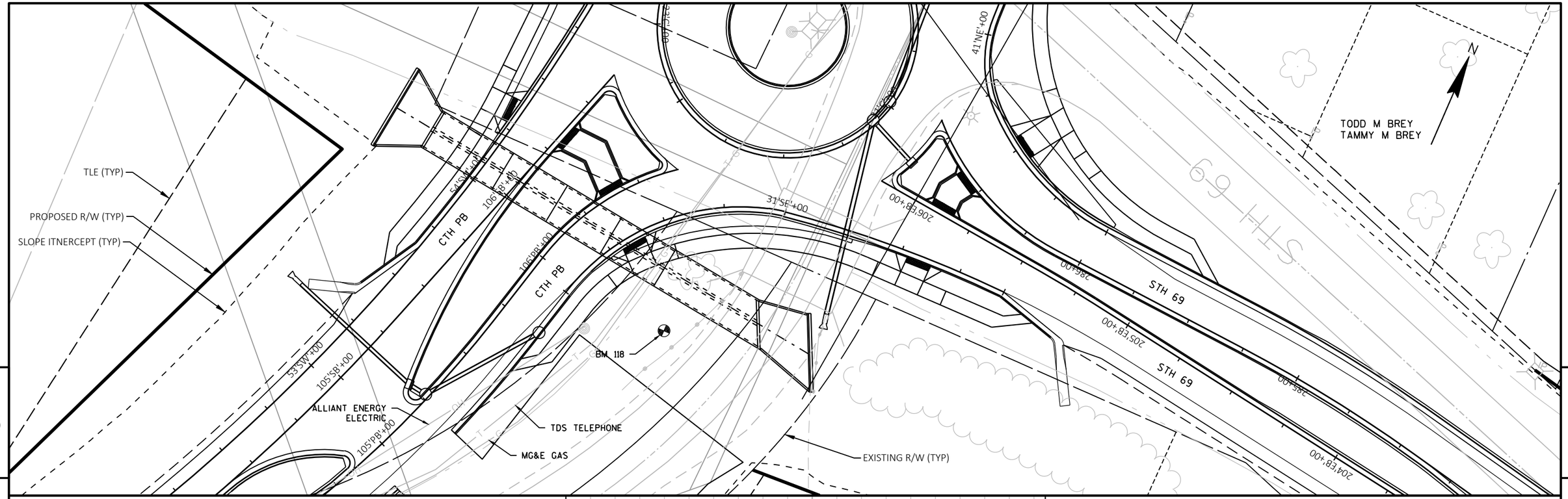
PLOT DATE : 6/28/2021 11:17 AM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

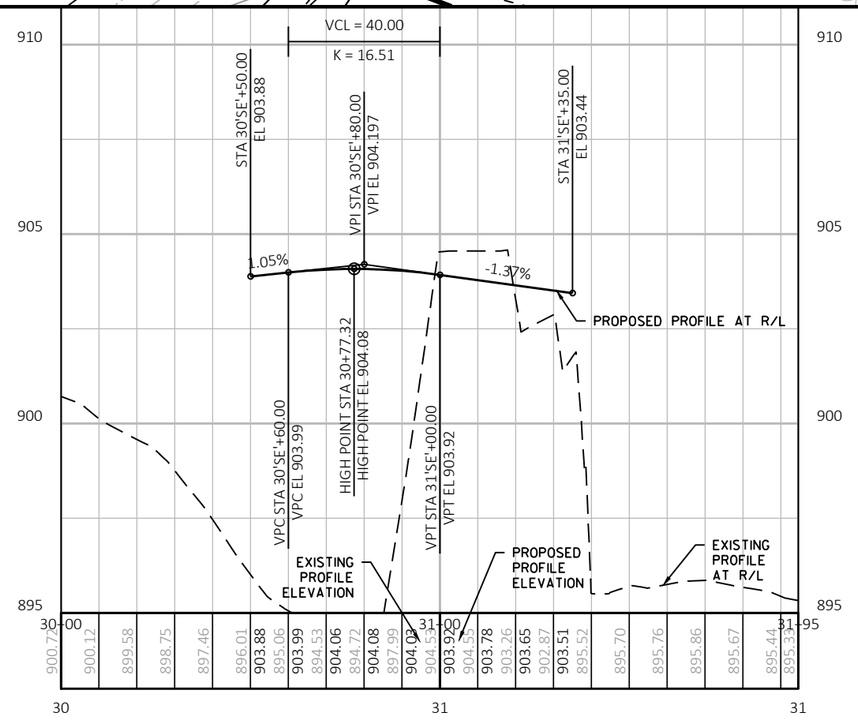




PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: RAB - SW RL	SHEET 313	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 050147
PLOT DATE : 6/28/2021 11:18 AM
PLOT BY : KYLE A. WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: RAB - SE RL	SHEET 314	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 050148

PLOT DATE : 6/28/2021 11:18 AM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

Standard Detail Drawing List

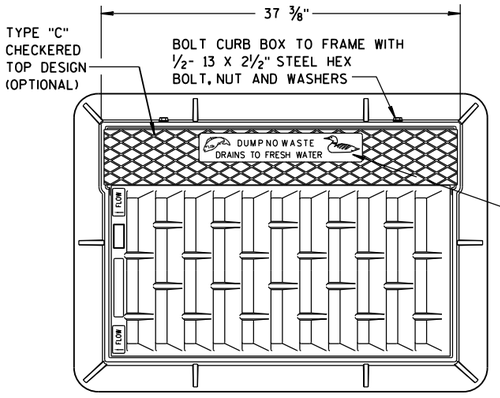
08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D02-07A	CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES
08D02-07B	CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D13-01	SLOTTED CORRUGATED METAL PIPE SURFACE DRAINS
08D14-01	SLOTTED VANE DRAIN
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F03-03	DETAILS FOR PIPE CATTLE PASS, CONCRETE ENDWALLS AND STEPS
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F07-05	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS
08F08-02	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED CROSS DRAINS
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09A01-13B	AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"
09B02-10	CONDUIT
09B16-01	PULL BOX NON-CONDUCTIVE
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C14-03	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09E01-15D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
11B02-02	CONCRETE MEDIAN NOSE
12A03-10	NAME PLATE (STRUCTURES)
13A10-02A	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-02B	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-02C	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-02D	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A11-03A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-03B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13C19-03	HMA LONGITUDINAL JOINTS
14B29-01	SAFETY EDGE
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B43-04A	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-04B	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-04C	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05E	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05G	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05H	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05I	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05J	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05K	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

6

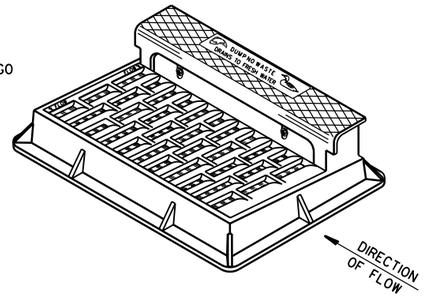
Standard Detail Drawing List

14B45-05L	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B47-03A	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-03B	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-03C	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-03D	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-03E	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-03F	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-03G	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B53-01A	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-01B	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-01C	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-01D	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-01E	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-01F	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-01G	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-01H	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-01I	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-08F	ADVANCED WIDTH RESTRICTION SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C06-09	SIGNING & MARKING FOR TWO LANE BRIDGES
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C11-09A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-05A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-05B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C18-05C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C26-04	END-OF-ROADWAY SIGNING
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-04A	PAVEMENT MARKING (INTERSECTIONS)
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D48-01	TRAFFIC CONTROL, LANE SHIFT IN FLAGGING OPERATION
16A01-07	LANDMARK REFERENCE MONUMENTS AND COVERS

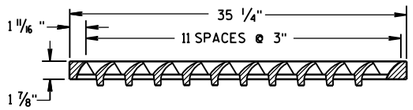
6

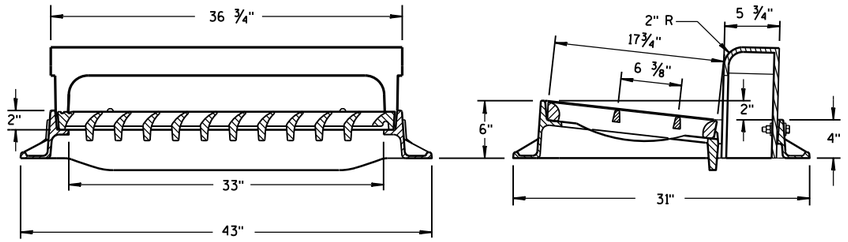


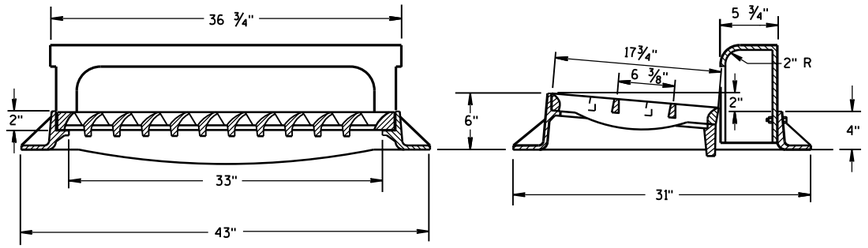
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

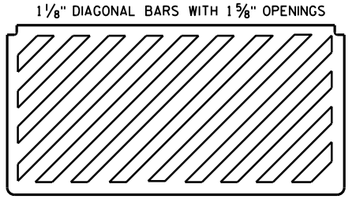






TYPE "H"

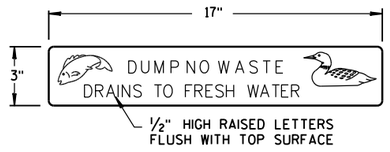
NOTE: EITHER CASTING IS ACCEPTABLE



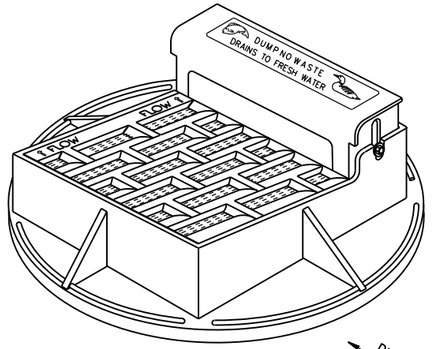
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

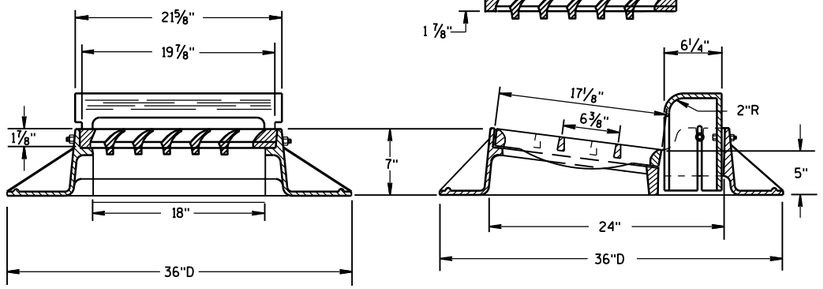


LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

NOTE:
GRATE IS REVERSIBLE.



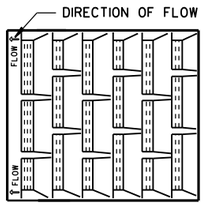
TYPE "A"

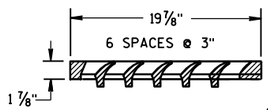
GENERAL NOTES

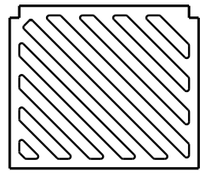
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



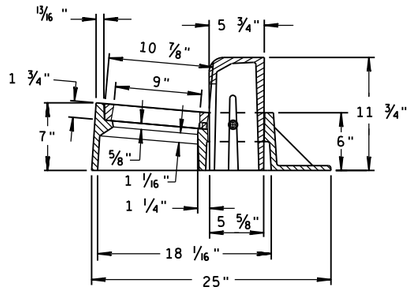


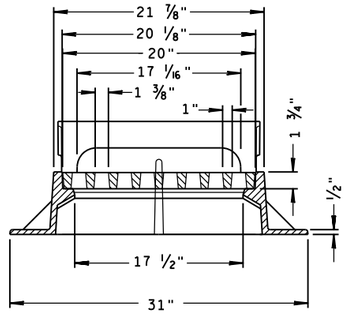


SPECIAL GRATE FOR TYPE "A" COVER

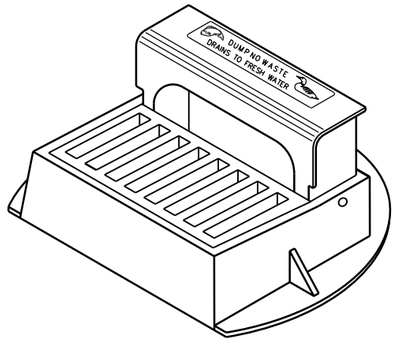
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"



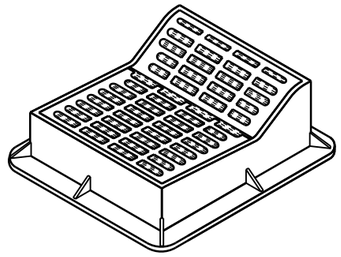
INLET COVERS
TYPE A, H, A-S, H-S & Z

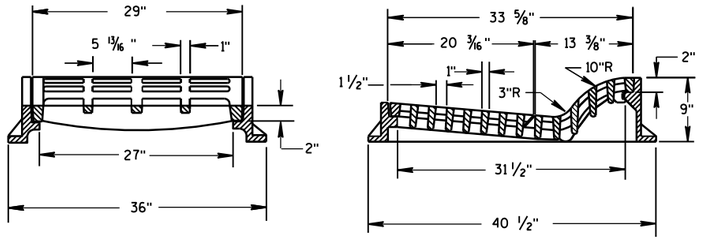
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

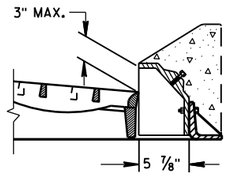
S.D.D. 8 A 5-19a





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

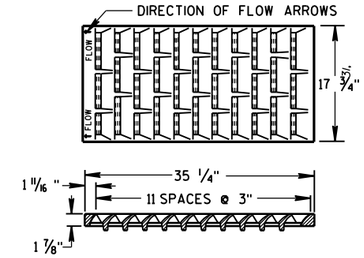
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

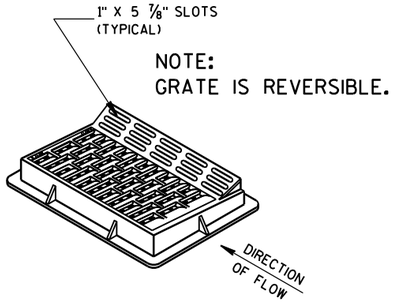
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

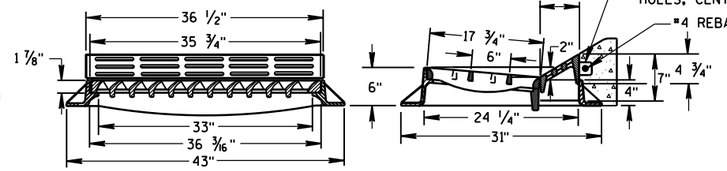
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



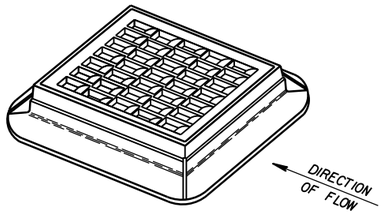


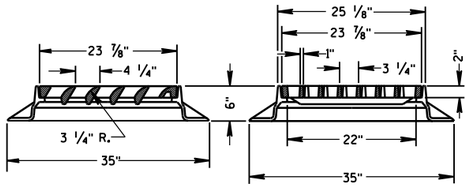


TYPE "HM"

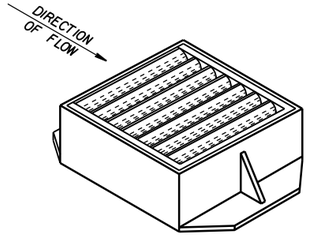
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

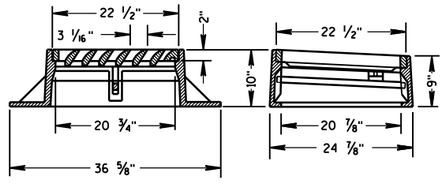
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



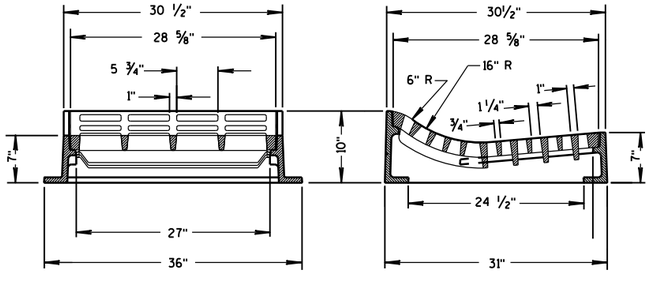


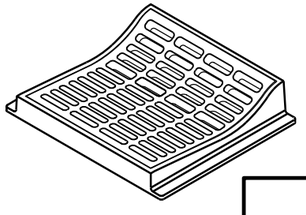
TYPE "S"





TYPE "V"





TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.

INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

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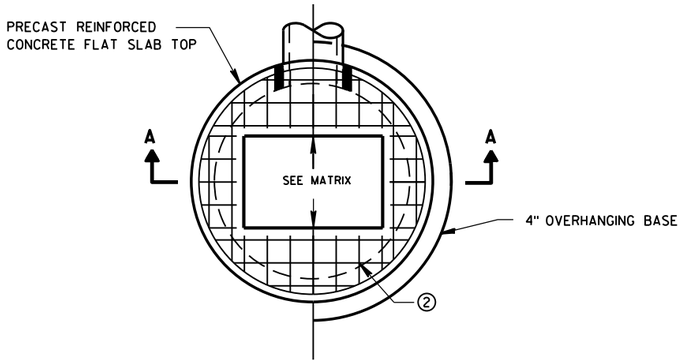
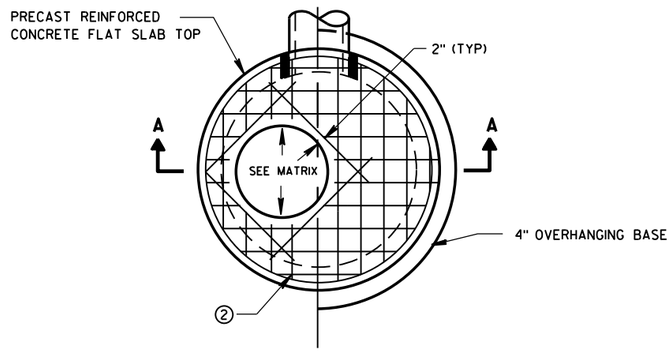
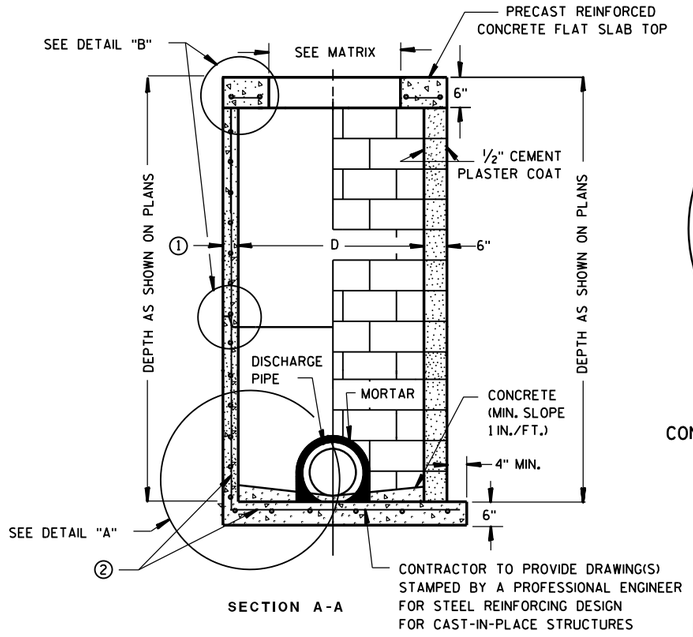
S.D.D. 8 A 5-19c



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

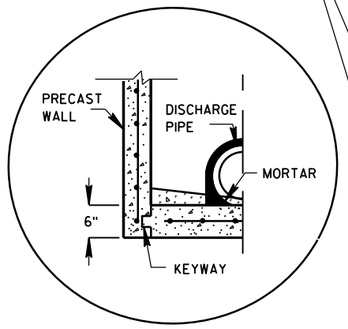


SECTION A-A

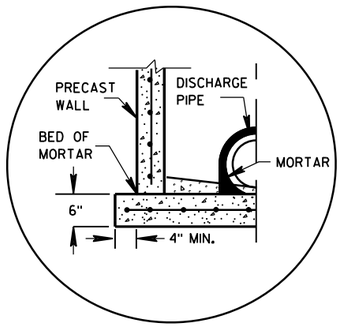
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

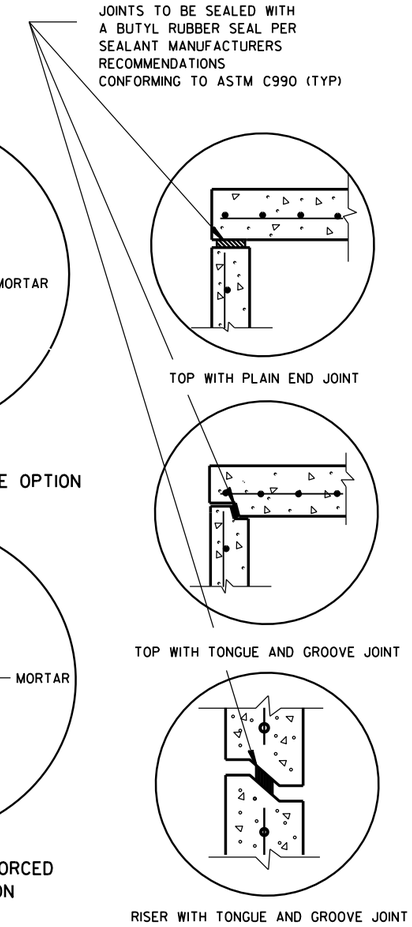


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



TOP WITH PLAIN END JOINT

TOP WITH TONGUE AND GROOVE JOINT

RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

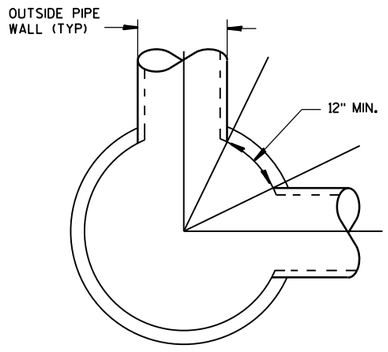
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS | UNIT SUPERVI ENT
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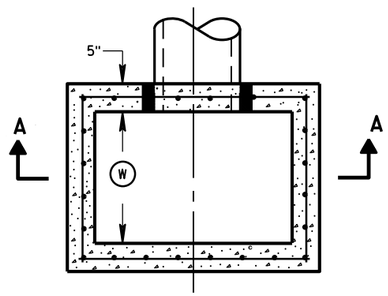
S.D.D. 8 C 6-2

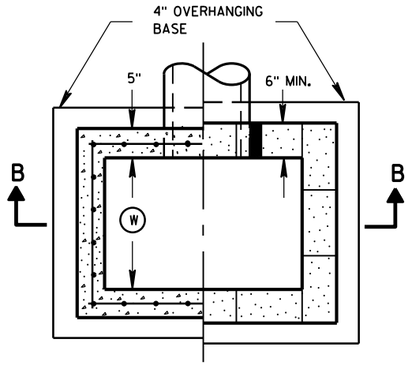
6

S.D.D. 8 C 6-2

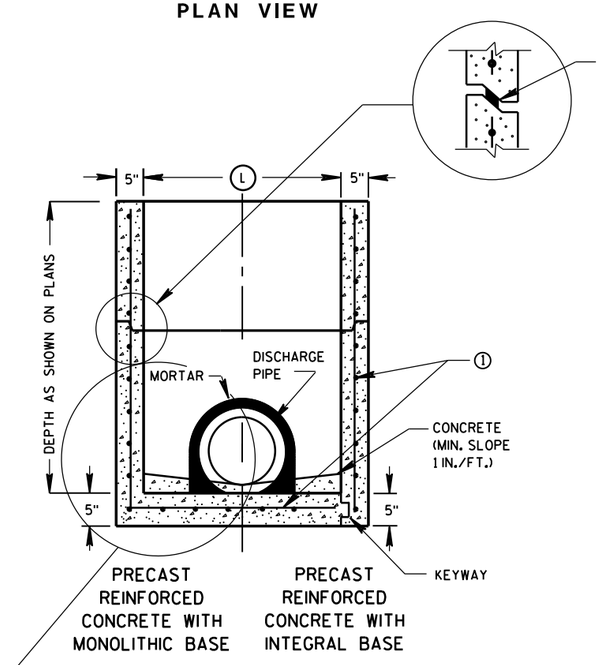
INLETS 3-FT AND 4-FT DIAMETER



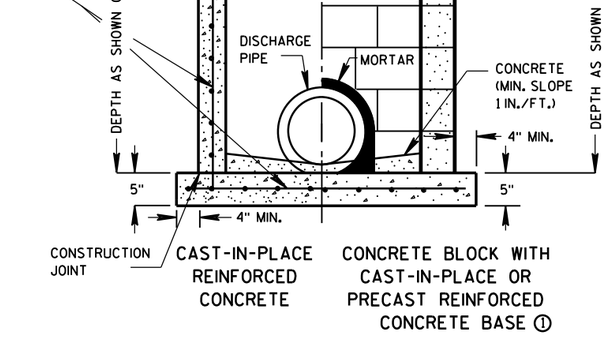
PLAN VIEW



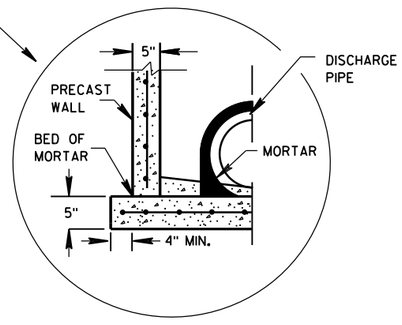
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

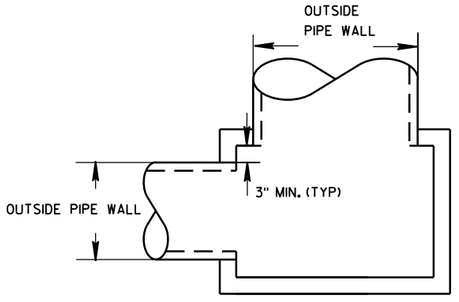
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

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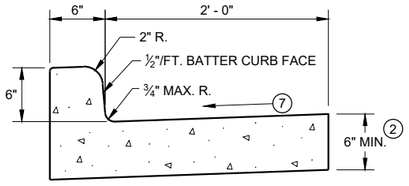
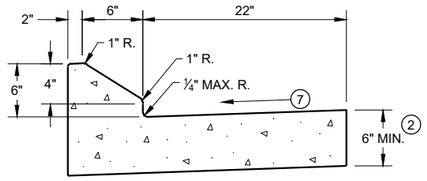
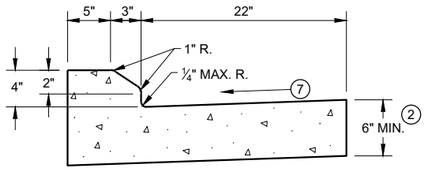
S.D.D. 8 C 7-2



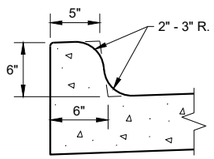
TYPES A[1] & D



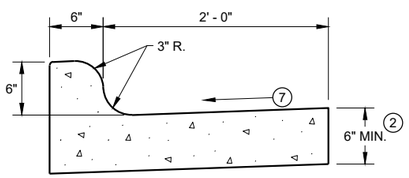
6" SLOPED CURB TYPES G[1] & J



4" SLOPED CURB TYPES G[1] & J

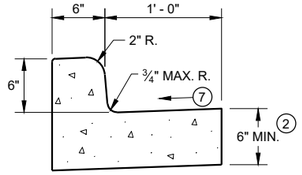


TYPES K[1] & L
(OPTIONAL CURB SHAPE)



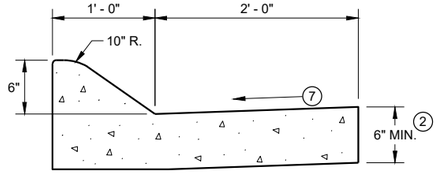
TYPES K[1] & L

CONCRETE CURB AND GUTTER 30"



TYPES A[1] & D

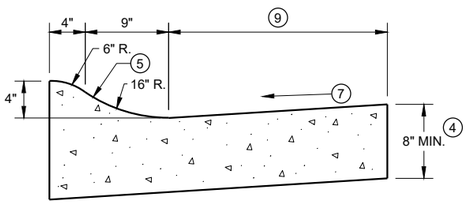
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A[1] & D

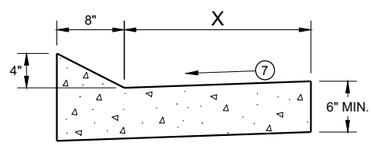
4" SLOPED CURB TYPES A[1] & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R[1] & T

TBT & TBTT	X
30"	22"
36"	28"

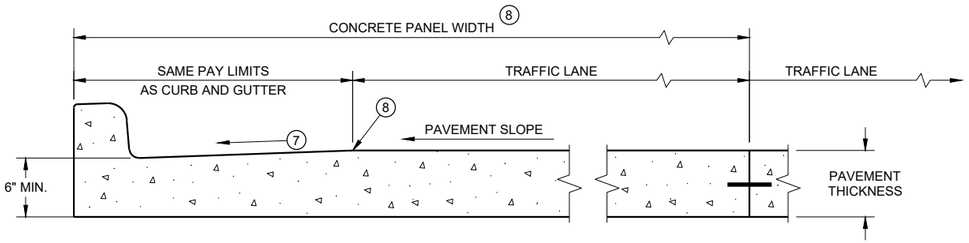


TYPES TBT & TBTT[1]

CONCRETE CURB AND GUTTER

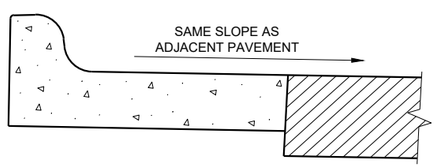
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER[6]
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

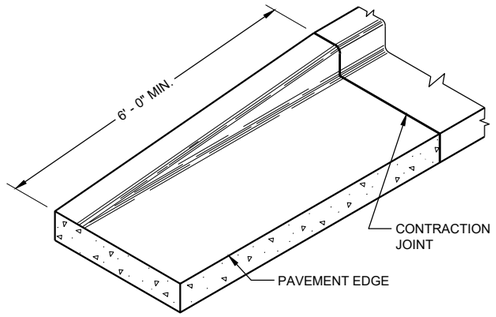
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

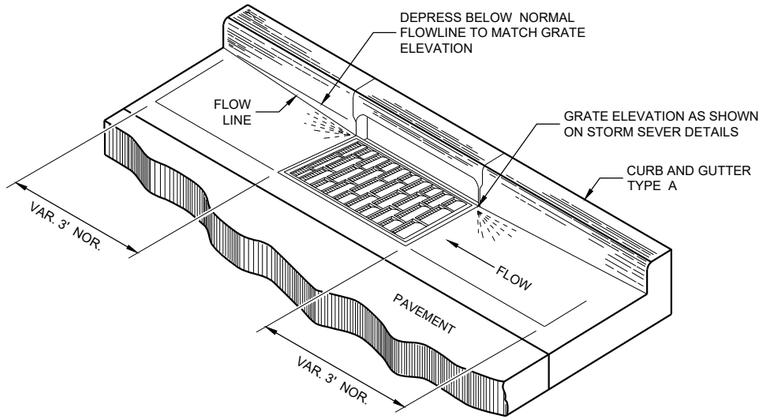
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

1. TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.
2. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
3. USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.
4. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.
5. UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.
6. WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.
7. USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.
8. INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.
9. CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
   CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER



END SECTIONCURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS
(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

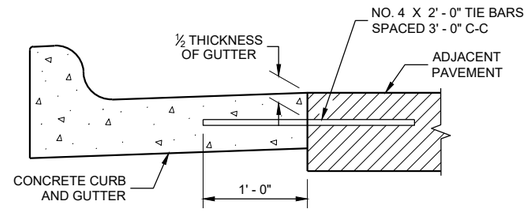
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

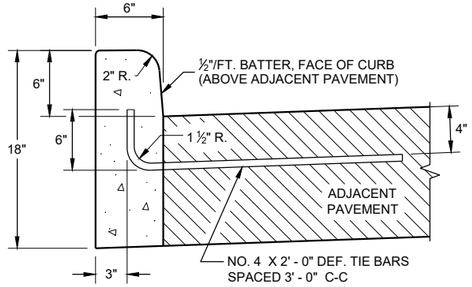
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

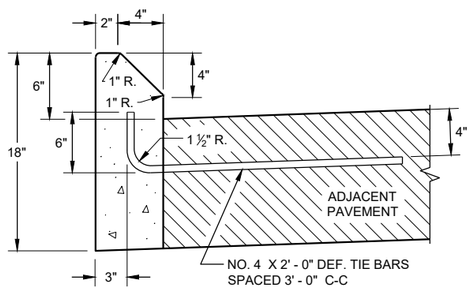
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

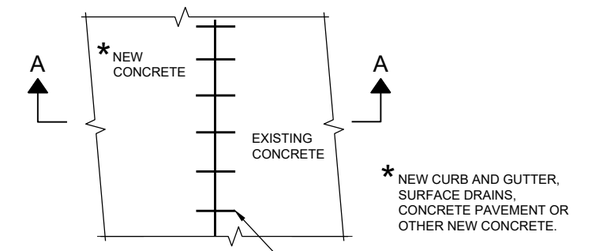


TYPES A (1) & D

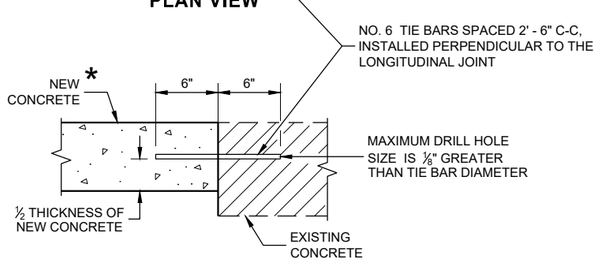


TYPES G (1) & J

CONCRETE CURB

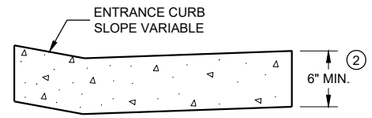


PLAN VIEW



SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)
(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER
322
FHWA

6

SDD08D01 - 22b

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ALL STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

(1) USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.

(2) NO. 4 X 2' - 0" TIE BARS SPACED AT 12" C-C TO BE PLACED BY BRIDGE CONTRACTOR OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.

(3) PAVED CONCRETE SHOULDER (SDD 13A03) OR CONCRETE DRAINAGE SLAB.

(4) CONCRETE PAVEMENT APPROACH SLAB (SHOWN) OR STRUCTURE APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB. SEE SDD 13B02.

(5) PAVED CONCRETE SHOULDER (SDD 13A03) OR ASPHALT SHOULDER.

(6) CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBT OR TBTT. USE TYPE TBTT CURB WITH NO. 4 X 2' -0" TIE BARS SPACED AT 3' - 0" C-C ONLY WHEN ADJACENT TO CONCRETE PAVEMENTS.

(7) PLACE FLUME BEFORE MSG THRIE BEAM TRANSITION POST 1 (SEE SDD 14B45)

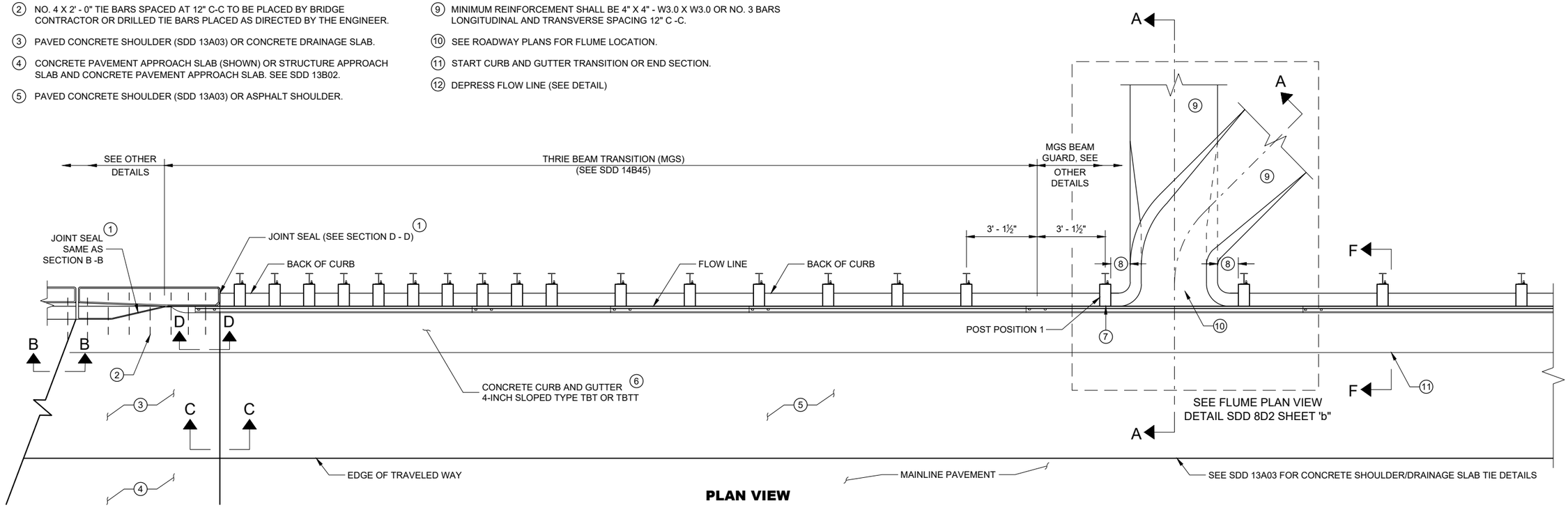
(8) CENTER FLUME BETWEEN POSTS. 6-INCH MINIMUM SEPARATION FROM OUTSIDE EDGE OF FLUME TO POSTS.

(9) MINIMUM REINFORCEMENT SHALL BE 4" X 4" - W3.0 X W3.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C -C.

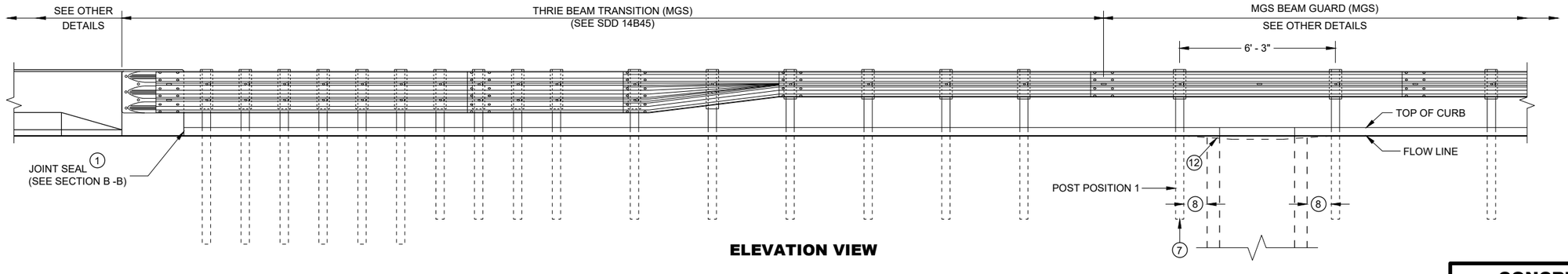
(10) SEE ROADWAY PLANS FOR FLUME LOCATION.

(11) START CURB AND GUTTER TRANSITION OR END SECTION.

(12) DEPRESS FLOW LINE (SEE DETAIL)



PLAN VIEW



ELEVATION VIEW

CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES

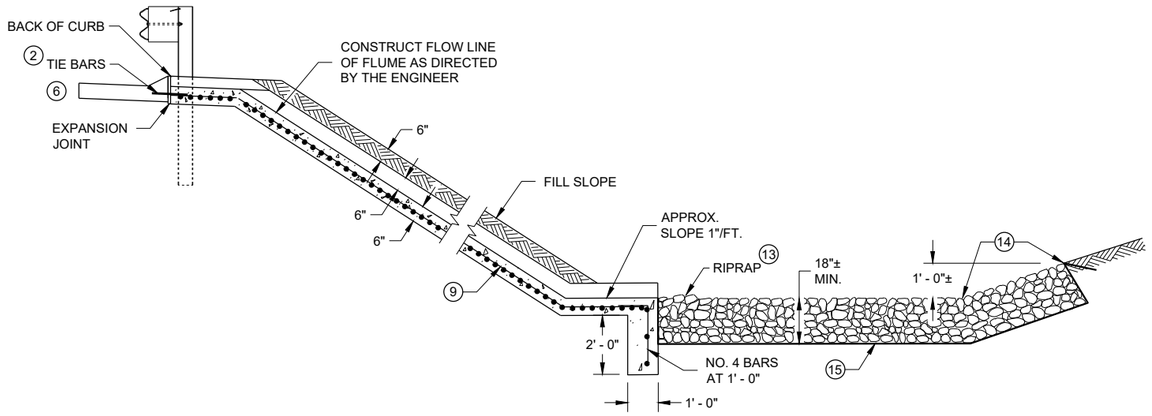
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

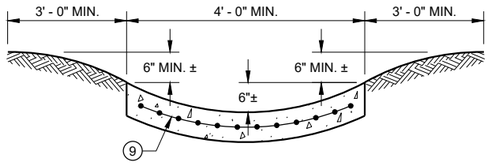
SDD 08D02 - 07a

6

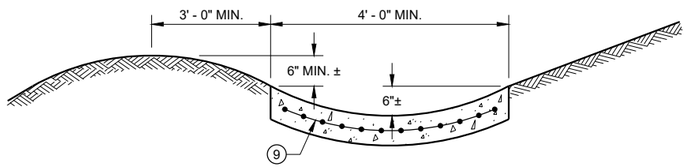
SDD 08D02 - 07a



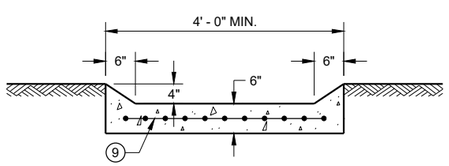
SECTION A - A



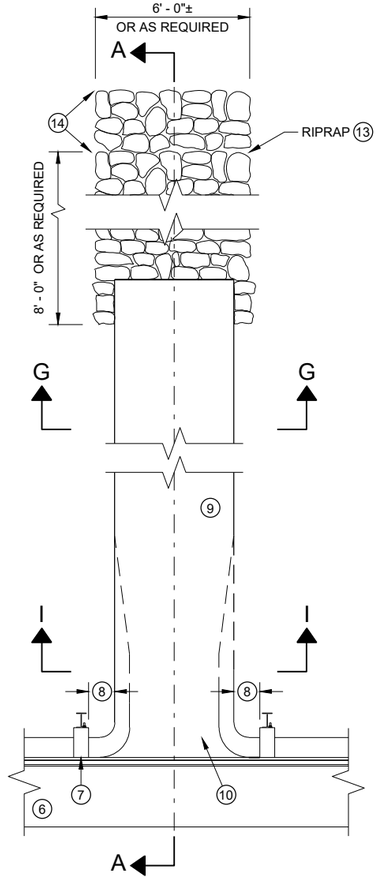
SECTION G - G



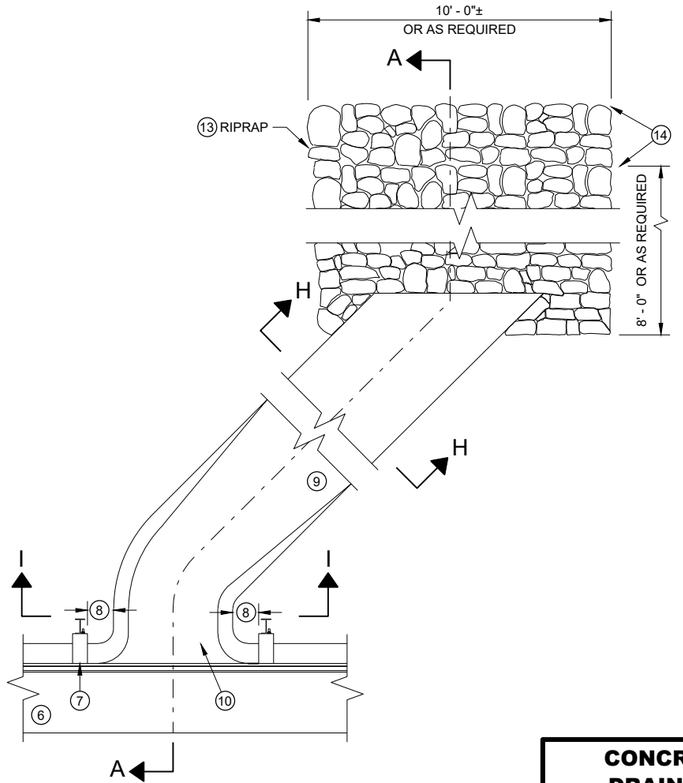
SECTION H - H



SECTION I - I



PLAN VIEW PERPENDICULAR FLUME



PLAN VIEW SKEWED FLUME

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ALL STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

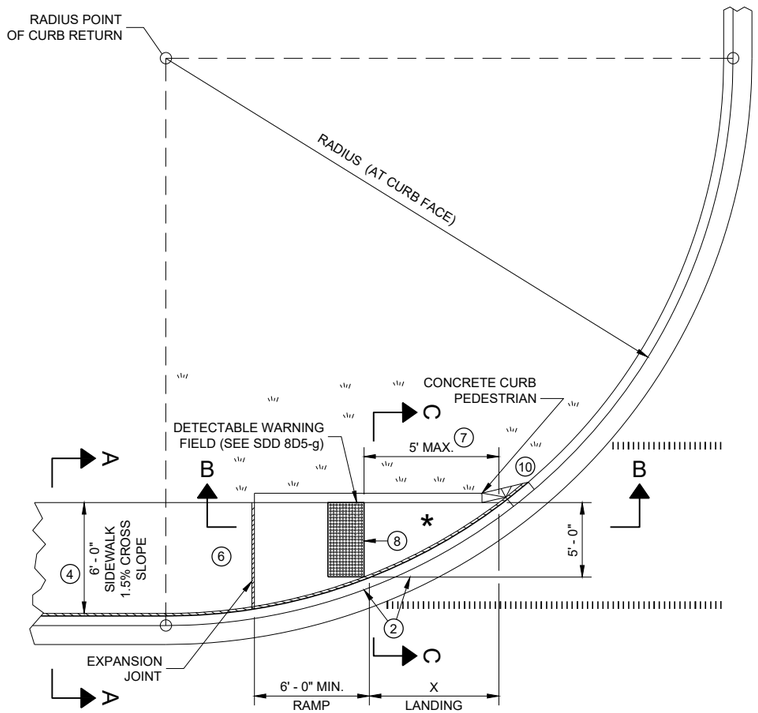
1. USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.
2. NO. 4 X 2' - 0" TIE BARS SPACED AT 12" C-C TO BE PLACED BY BRIDGE CONTRACTOR OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.
3. PAVED CONCRETE SHOULDER (SDD 13A03) OR CONCRETE DRAINAGE SLAB.
4. CONCRETE PAVEMENT APPROACH SLAB (SHOWN) OR STRUCTURE APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB. SEE SDD 13B02 AND STRUCTURE PLANS.
5. PAVED CONCRETE SHOULDER (SDD 13A03) OR ASPHALT SHOULDER.
6. CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBT OR TBTT. USE TYPE TBTT CURB WITH NO. 4 X 2' -0" TIE BARS SPACED AT 3' - 0" C-C ONLY WHEN ADJACENT TO CONCRETE PAVEMENTS.
7. PLACE FLUME BEFORE MSG THRIE BEAM TRANSITION POST 1 (SEE SDD 14B45)
8. CENTER FLUME BETWEEN POSTS. 6-INCH MINIMUM SEPARATION FROM OUTSIDE EDGE OF FLUME TO POSTS.
9. MINIMUM REINFORCEMENT SHALL BE 4" X 4" - W3.0 X W3.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C -C.
10. SEE ROADWAY PLANS FOR FLUME LOCATION.
11. START CURB AND GUTTER TRANSITION OR END SECTION.
12. DEPRESS FLOW LINE (SEE DETAIL)
13. MEDIUM RIPRAP UNLESS OTHERWISE SPECIFIED.
14. LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH AS REQUIRED.
15. GEOTEXTILE FABRIC TYPE HR.

CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D02 - 07b
SDD 08D02 - 07b

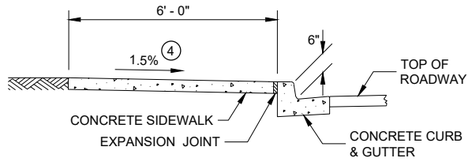


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

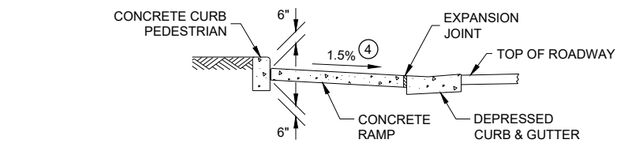
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

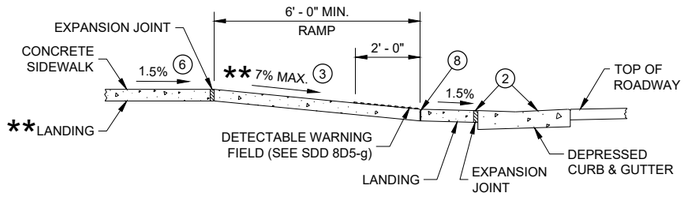
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



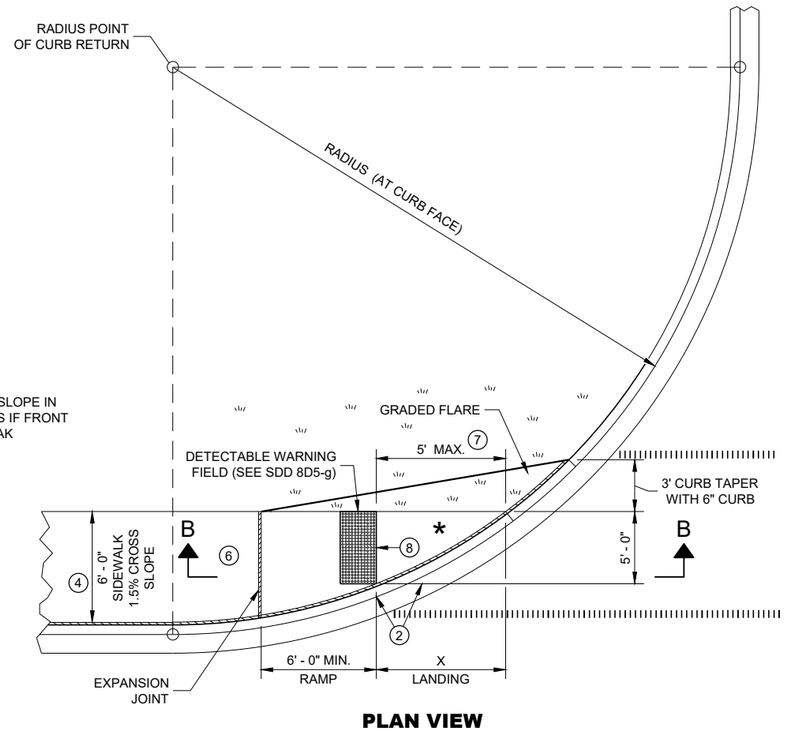
SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

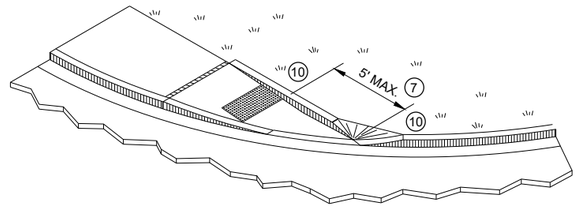
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

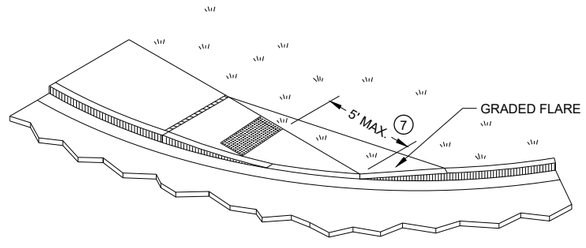


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



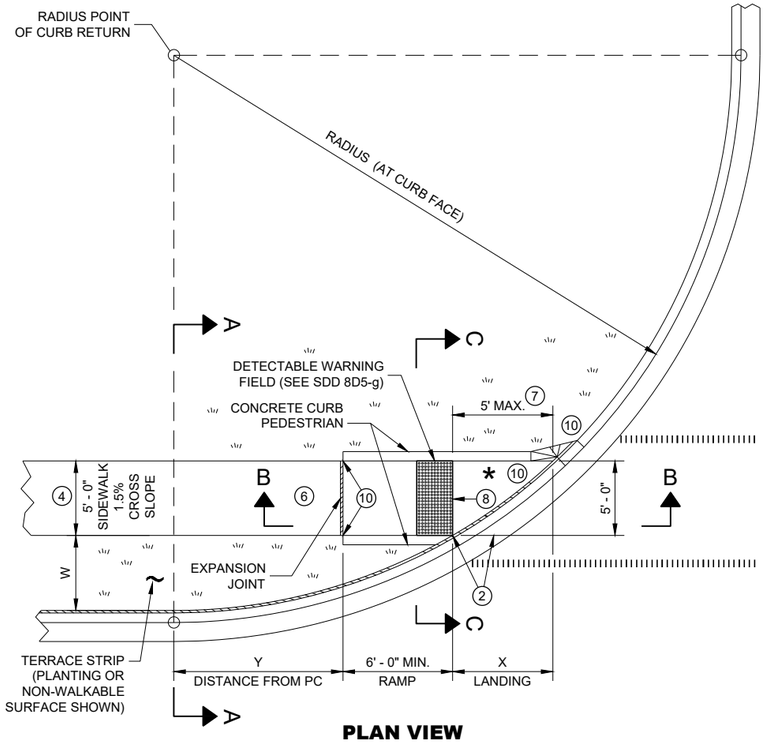
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20c



PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

SECTION C - C FOR TYPE 4B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

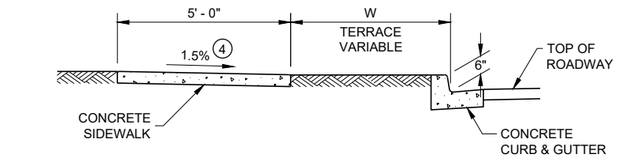
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

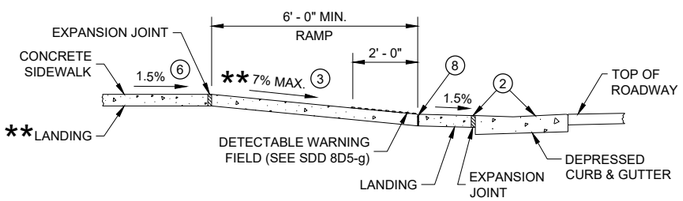
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



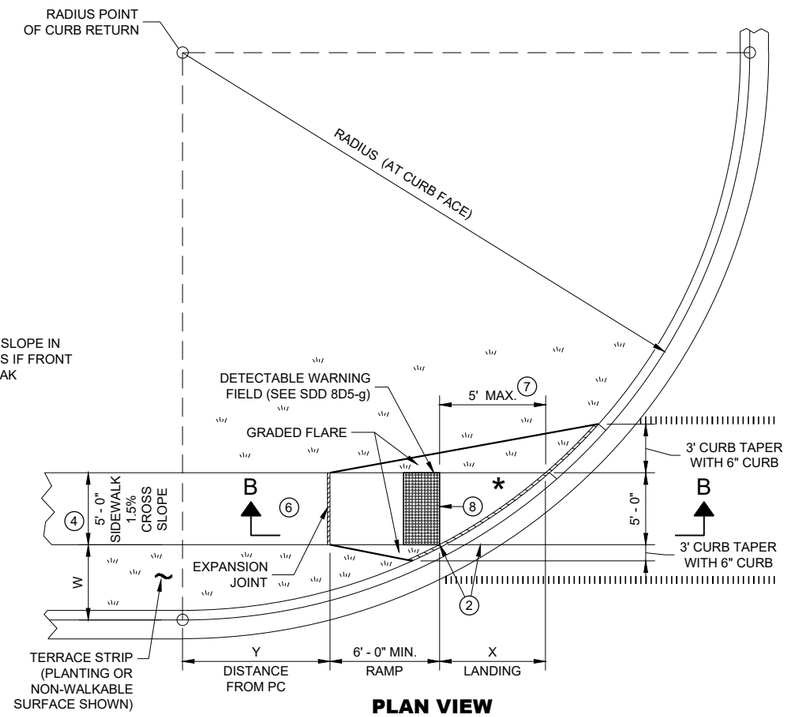
SECTION A - A FOR TYPE 4B



SECTION B - B FOR TYPE 4B AND TYPE 4B1

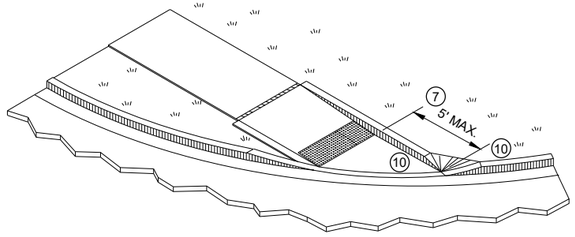
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

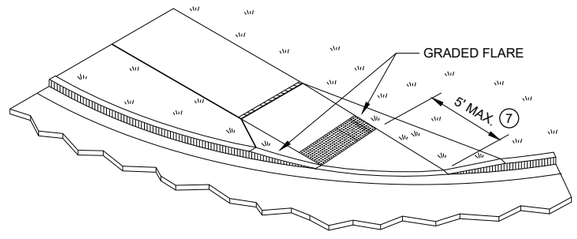


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

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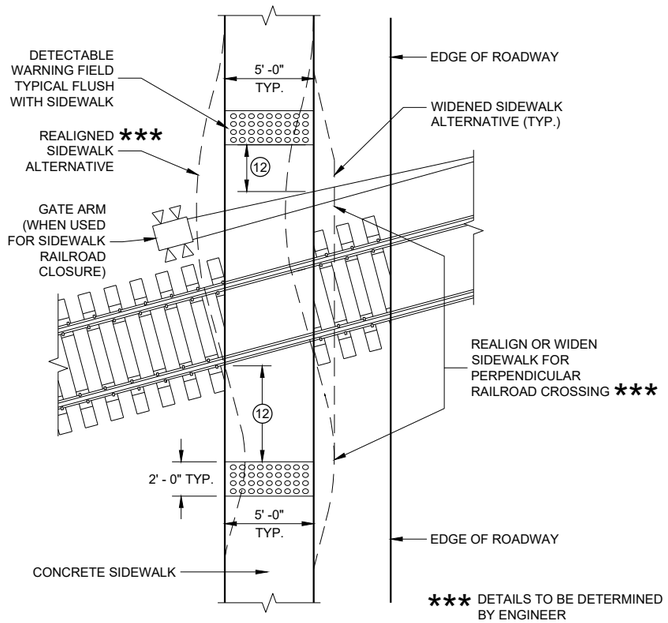
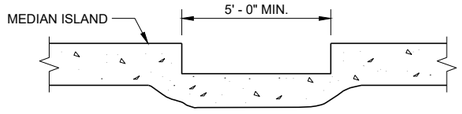
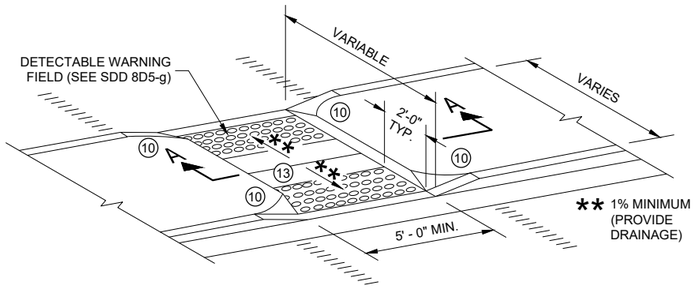


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ½ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

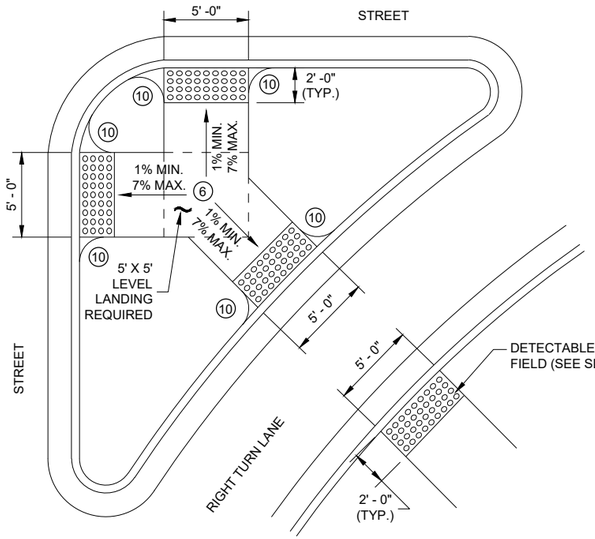
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

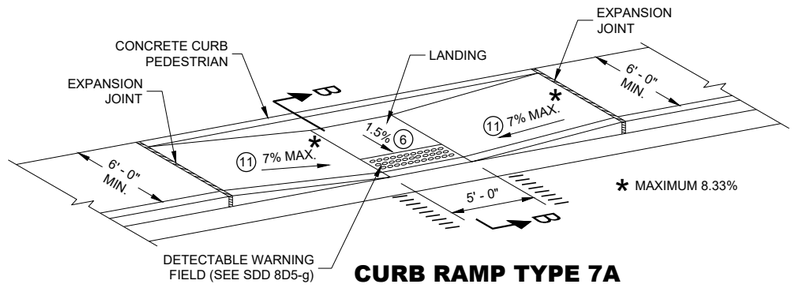
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

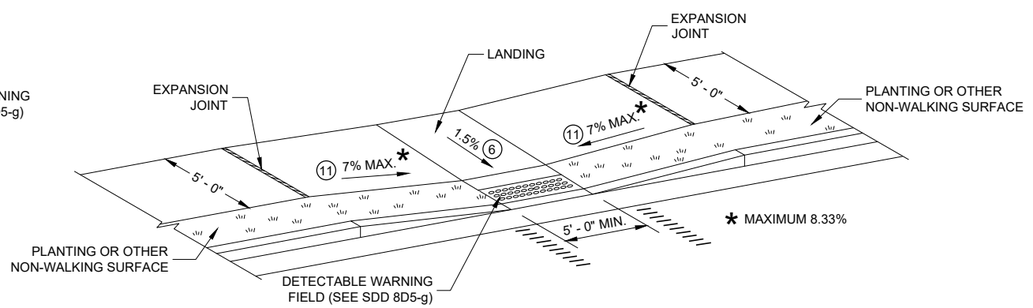
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

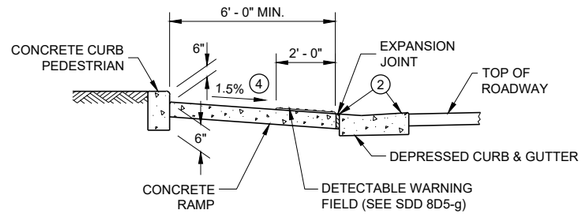
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.



SECTION B - B FOR TYPE 7A

CURB RAMPS TYPE 5, 6, 7A, 7B & 8

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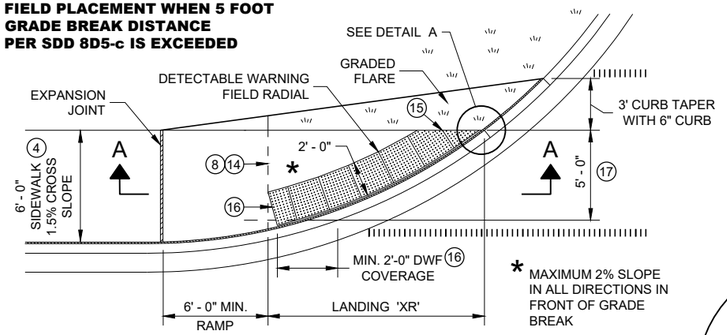
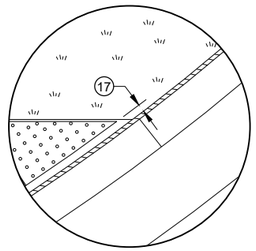
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



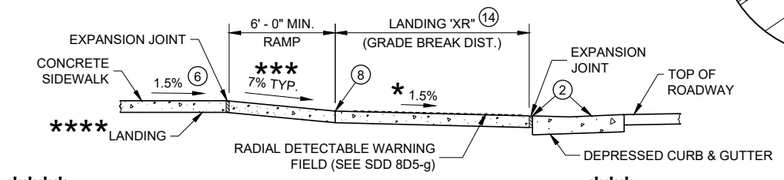
PLAN VIEW

CURB RAMP TYPE 4A1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL A

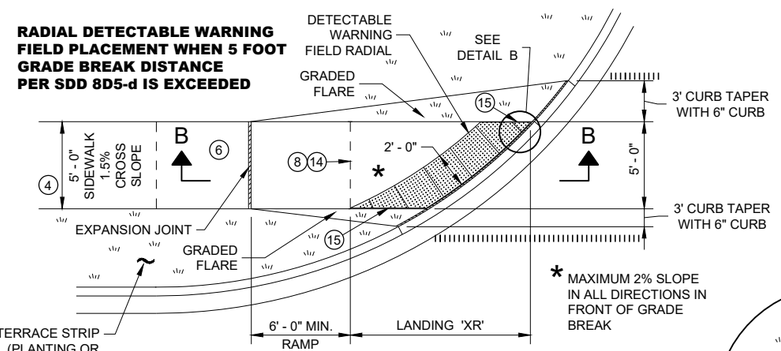


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1

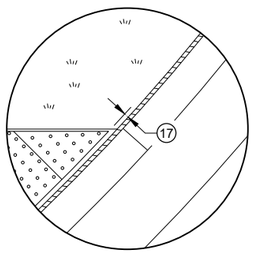
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



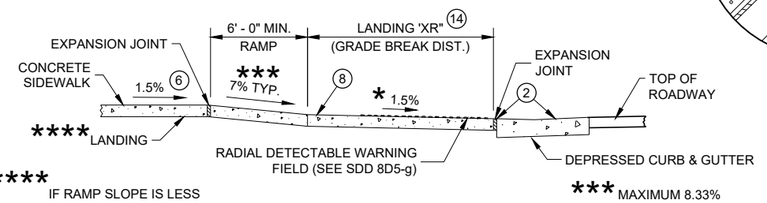
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

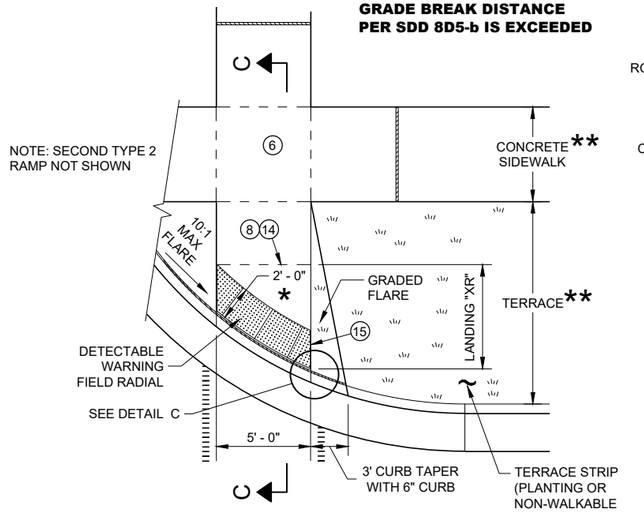
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 3 INCH CONCRETE BORDER WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

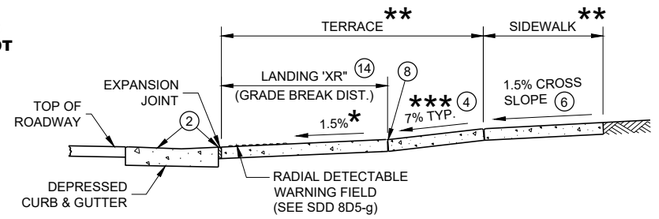


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

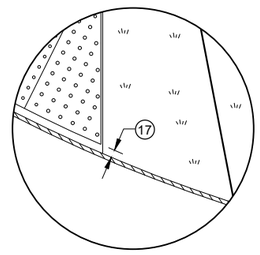


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS

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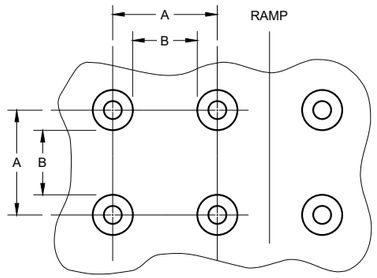
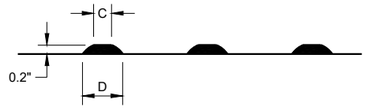
	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

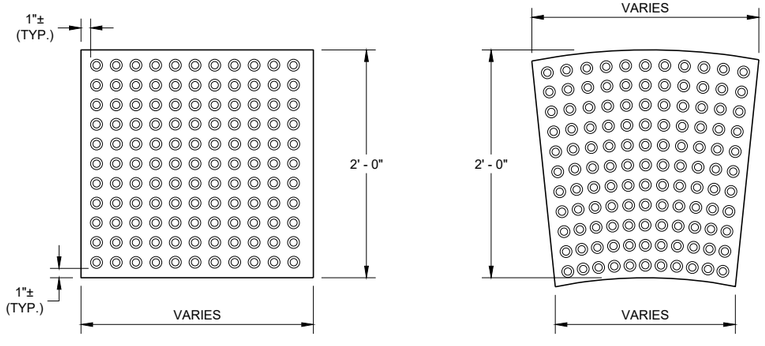


PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

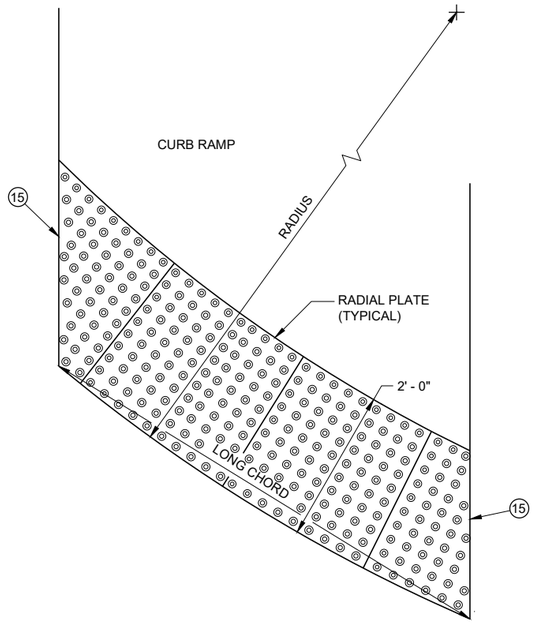
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

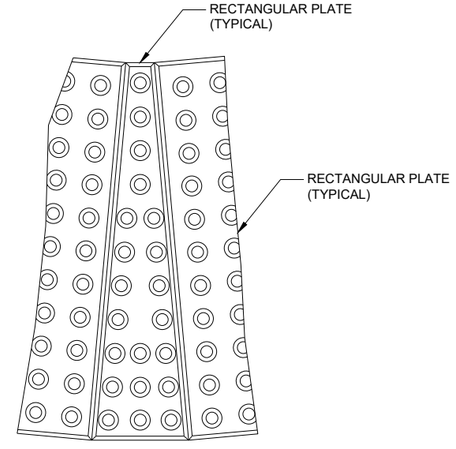
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
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APPROVED
May 2019
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

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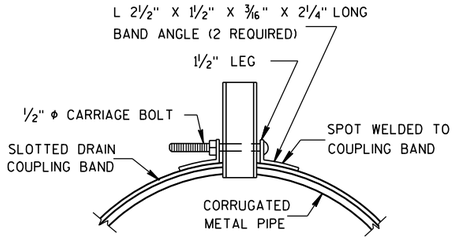
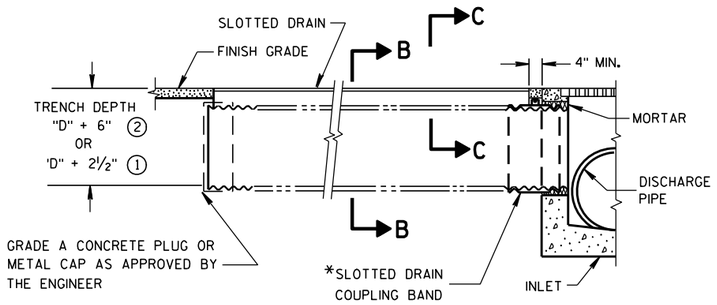
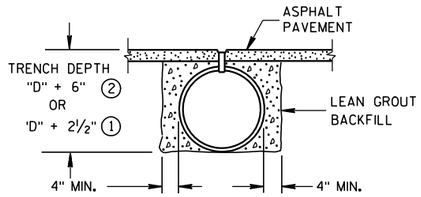


SECTION A-A



SLOTTED DRAIN INSTALLATION TYPE "A"



SECTION B-B

GENERAL NOTES

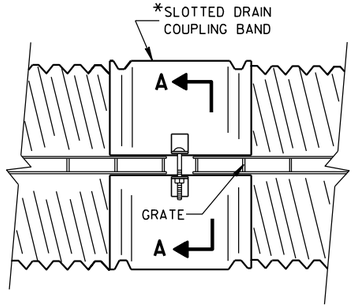
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

BACKFILL MATERIAL

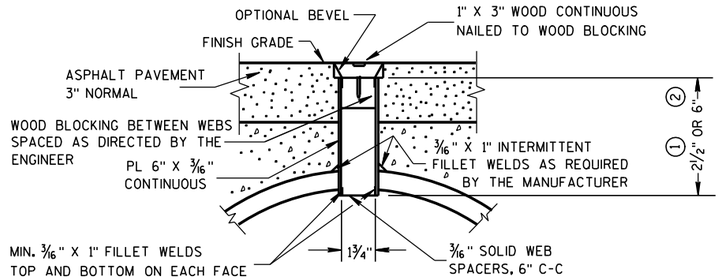
THE LEAN GROUT BACKFILL MATERIAL SHALL BE A FINE AGGREGATE, IN ACCORDANCE WITH SUBSECTION 501.3.6.3.6 OF THE STANDARD SPECIFICATIONS, MIXED WITH 150 POUNDS OF CEMENT AND APPROXIMATELY 30 GALLONS OF WATER FOR EACH 3000 POUNDS OF FINE AGGREGATE.

THE PIPE FOR THE SLOTTED DRAIN SHALL MEET AASHTO DESIGNATION M-36, AND THE GRATE ASSEMBLIES SHALL BE MADE FROM STRUCTURAL STEEL SUITABLY WELDED TO FORM THE OPEN SLOT AND HOT-DIP GALVANIZED TO MEET THE PROVISIONS OF AASHTO DESIGNATION M-111.

NORMAL PIPE SIZES ARE 12-INCH THROUGH 24-INCH DIAMETER IN 0.064 INCH THICKNESS, AND 30-INCH DIAMETER PIPE IN 0.079 INCH THICKNESS.

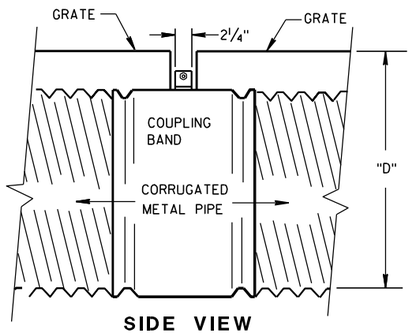


PLAN VIEW



SECTION C-C

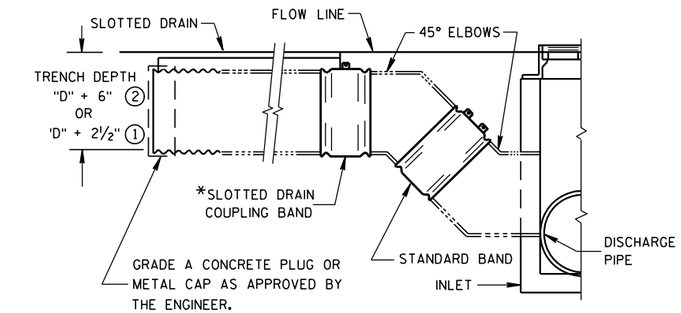
GRATE SLOT DETAIL



SIDE VIEW

*TYPICAL COUPLING BAND FOR SLOTTED DRAIN

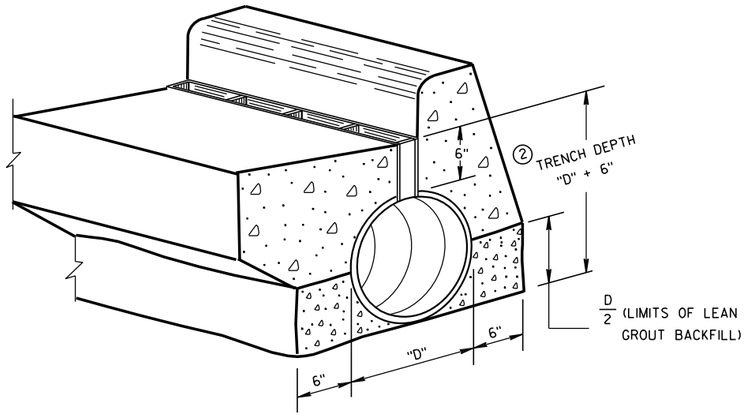
(ALTERNATES PERMITTED AS APPROVED BY THE ENGINEER)



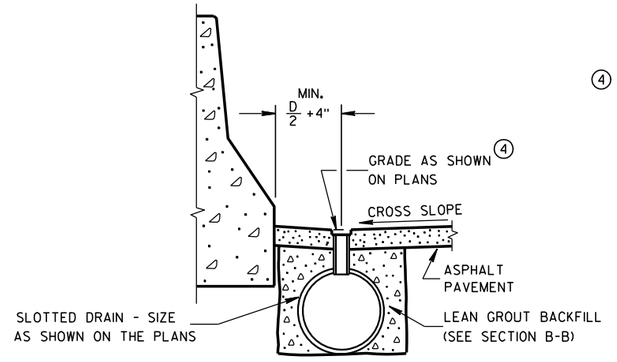
SLOTTED DRAIN INSTALLATION TYPE "B"

NOTE:

TO PREVENT "FLOATING" OF THE SLOTTED DRAIN DURING BACKFILL OPERATIONS PROVIDE ADEQUATE WEDGES, OR POUR THE LEAN GROUT ON TOP OF THE PLUGGED SLOT ALLOWING IT TO SLOUGH TO THE SIDES OF THE PIPE. THIS WILL PROVIDE ENOUGH WEIGHT ON TOP TO KEEP THE PIPE FROM FLOATING.



SLOTTED DRAIN INSTALLATION IN FLOW LINE OF CURB & GUTTER TYPE "C"



SLOTTED DRAIN INSTALLATION AT MEDIAN BARRIER TYPE "D"

① 2½" NORMAL GRATE DEPTH.

② 6" SPECIAL GRATE DEPTH, WHEN SPECIFIED ON THE PLANS.

③ FOR SCREEDING DIRECTLY OVER THE SLOTTED DRAIN WITH ASPHALT PAVER. FOR CONCRETE SURFACE USE 3" WIDE TAPE OVER THE SLOT TO KEEP MATERIAL OUT OF THE PIPE.

④ WHEN THE SURFACE IS CONCRETE PAVEMENT THE GRADE AS SHOWN ON THE PLANS WILL BE FLUSH WITH THE TOP OF THE SLOTTED DRAIN.

SLOTTED CORRUGATED METAL PIPE SURFACE DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

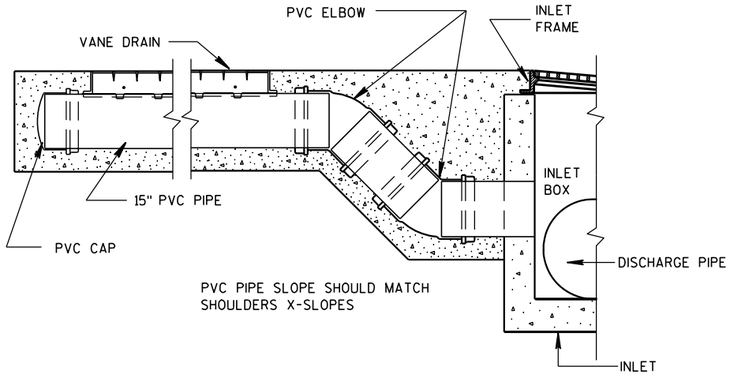
8/30/79 — DATE

/S/ D. L. Str---d — CHIEF ROADWAY DEVELOPMENT ENGINEER

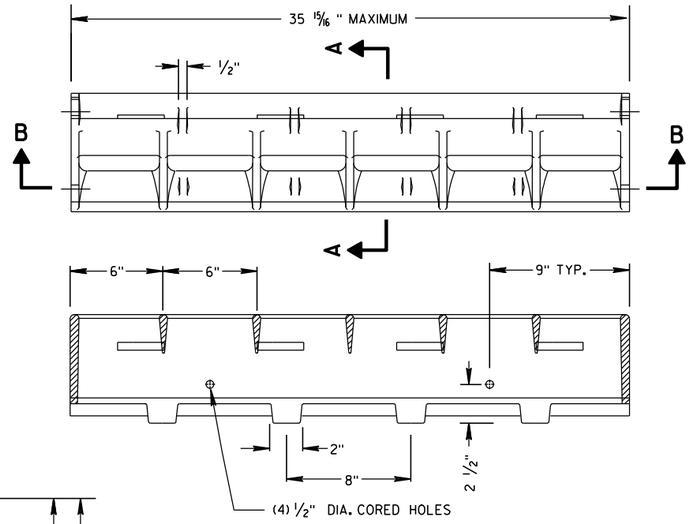
FHWA

6

S.D.D. 13 D 13-1



TYPICAL SLOTTED VANE DRAIN CONFIGURATION



SECTION B-B

SLOTTED VANE DRAIN DETAIL

(APPROXIMATE WEIGHT 87 LBS.)

GENERAL NOTES

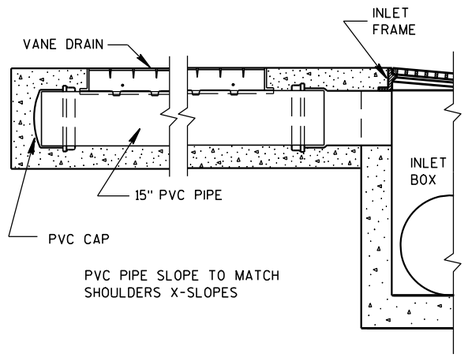
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ENCASEMENT: THE ENCASING MATERIAL AROUND THE PIPE SHALL BE IN ACCORDANCE WITH SPECIFICATIONS OF 501.4.3.3 FOR CONCRETE PAVEMENT.

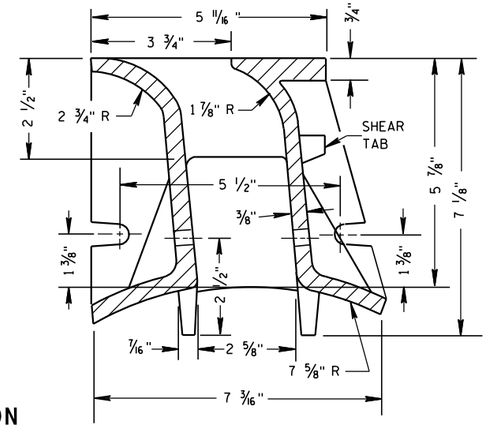
THE PIPE USED SHALL BE A 15" DIAMETER SDR-35 POLYVINYL CHLORIDE SEWER PIPE. THE PIPE SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN STANDARD SPECIFICATION 612.2.6

SURFACE DRAIN: BEFORE PAVING OVER THE DRAIN, COVER THE TOP OF THE DRAIN TO KEEP MATERIAL OUT OF THE PIPE. THE FINISHED GRADE SHOULD BE FLUSH WITH THE TOP OF THE DRAIN.

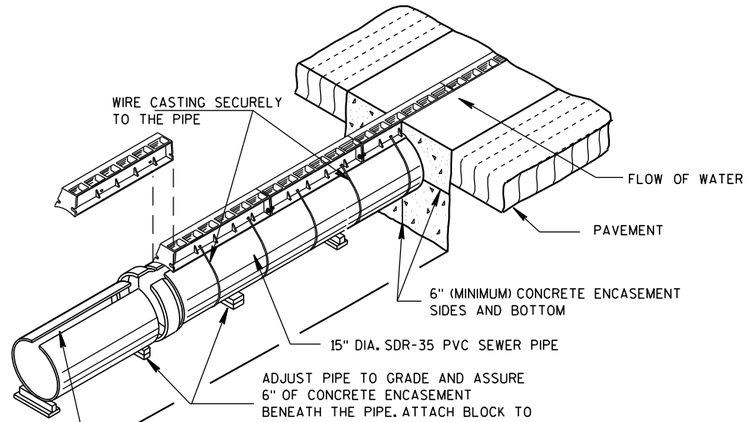
THE ANGLE OF THE DRAIN TO THE FLOW OF WATER SHOULD BE AS CLOSE TO 90° AS POSSIBLE.



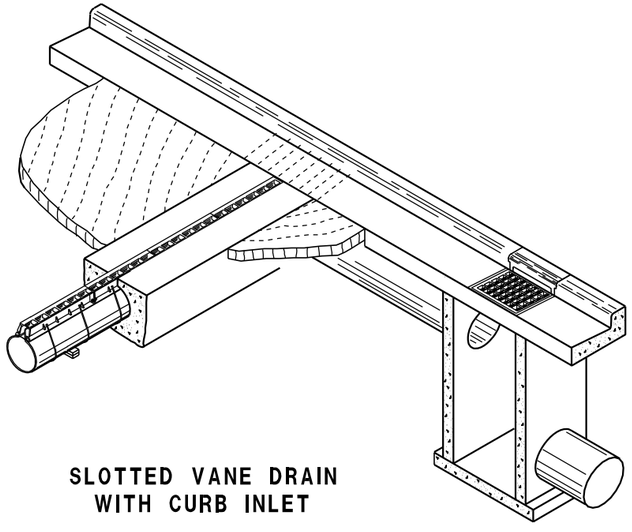
TYPICAL SLOTTED VANE DRAIN CONFIGURATION



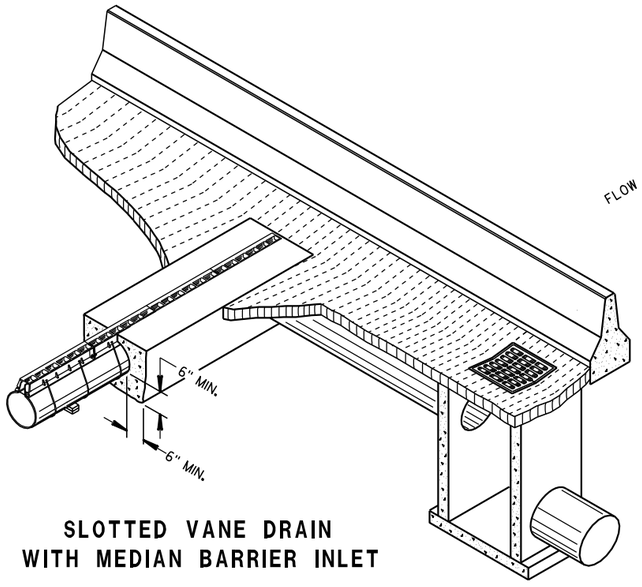
SECTION A-A



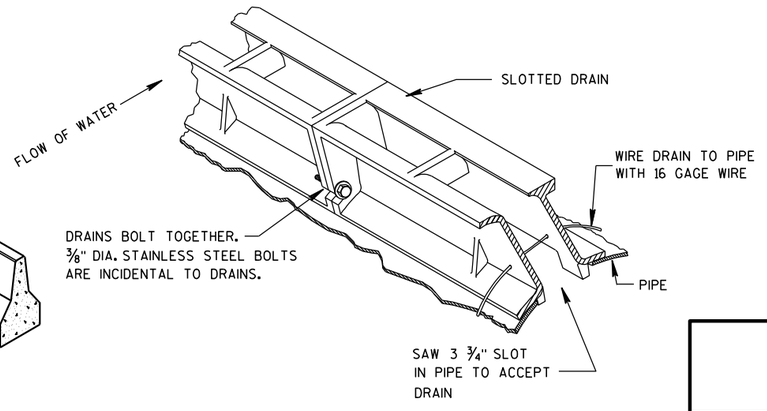
INSTALLATION OF SLOTTED VANE DRAIN



SLOTTED VANE DRAIN WITH CURB INLET



SLOTTED VANE DRAIN WITH MEDIAN BARRIER INLET



ISOMETRIC VIEW

SLOTTED VANE DRAIN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/13/00 DATE

/S/ Rory L. Rhinehart
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

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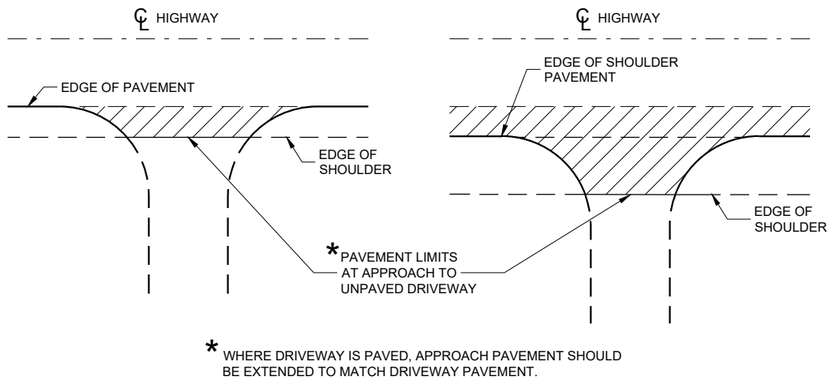
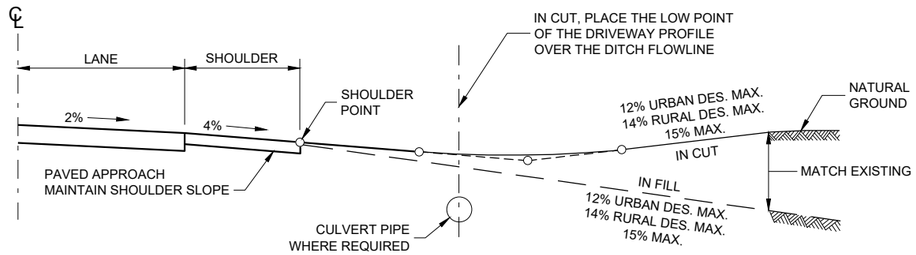
S.D.D. 8 D 14-1



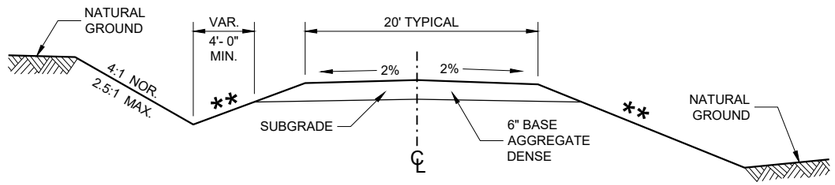
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

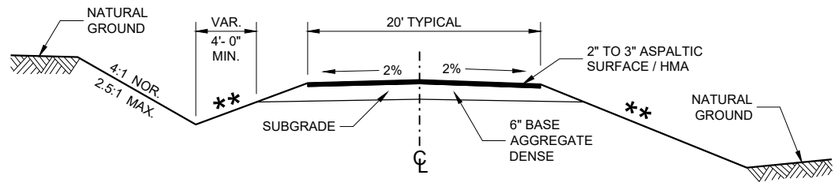


IN CUT IN FILL

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

** SLOPE CAN VARY WITH SPEED. SEE 11-45-30.6.2

POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥ 35 TO < 60	6:1
≥60	10:1



IN CUT IN FILL

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE

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SDD 08D21 - 01

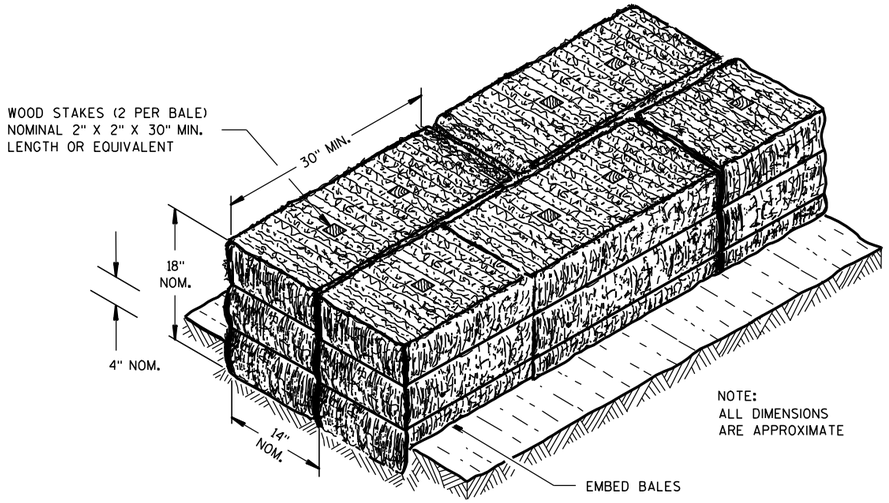
SDD 08D21 - 01

DRIVEWAYS WITHOUT CURB AND GUTTER

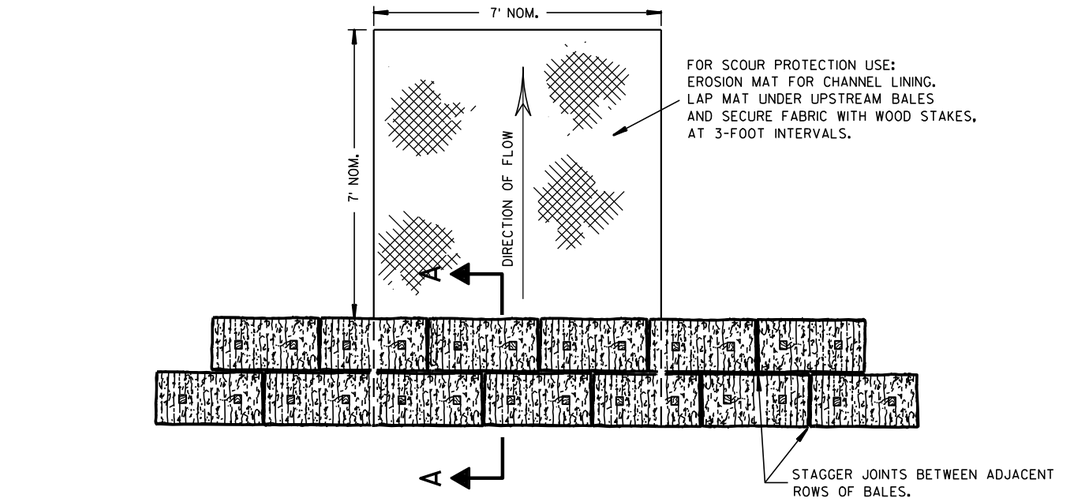
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

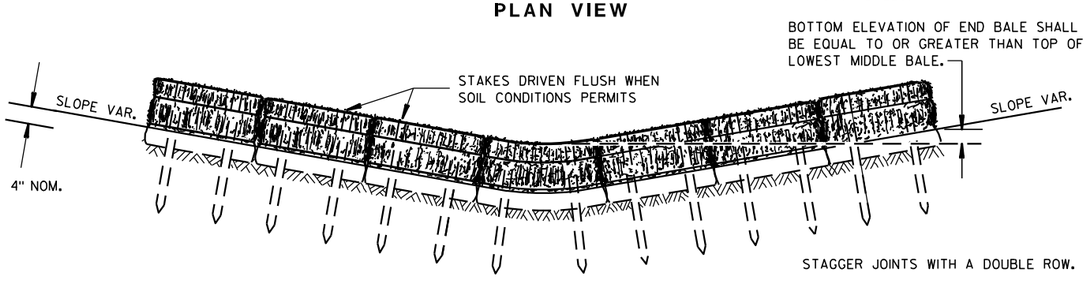
FHWA



SECTION A-A



PLAN VIEW



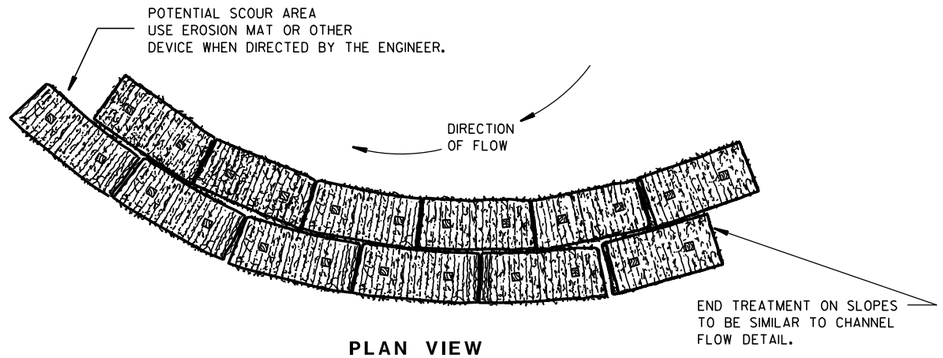
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

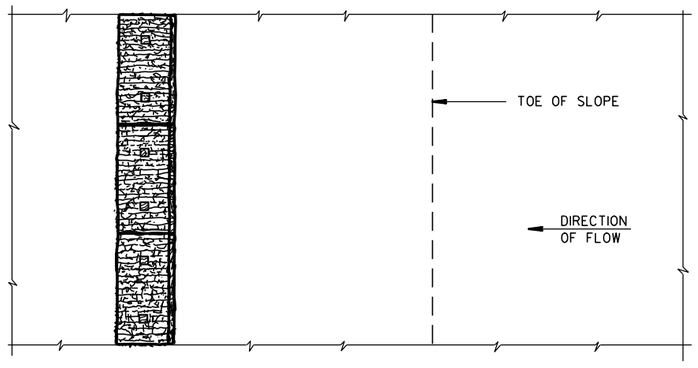
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

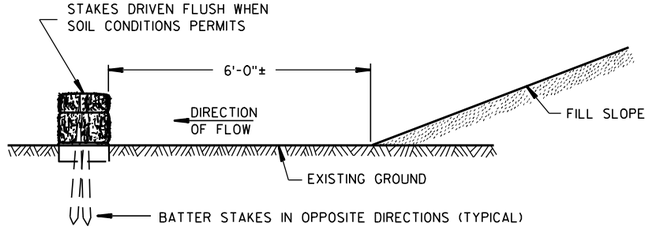


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

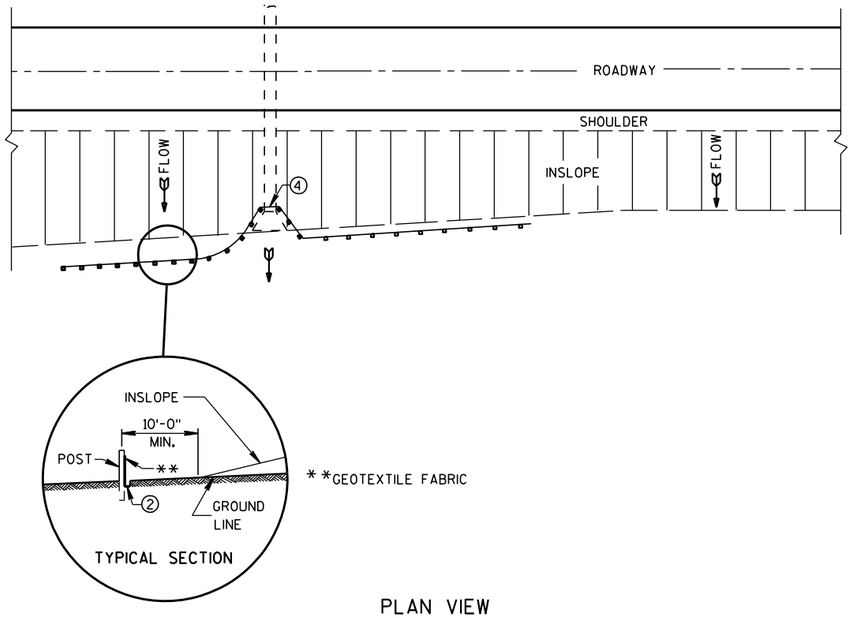
6/04/02 — DATE

/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

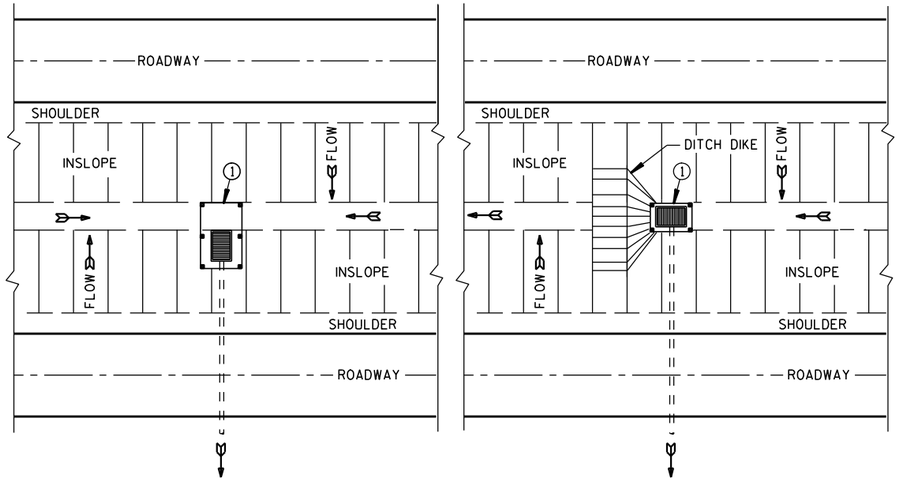
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



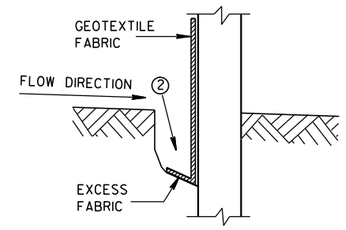
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

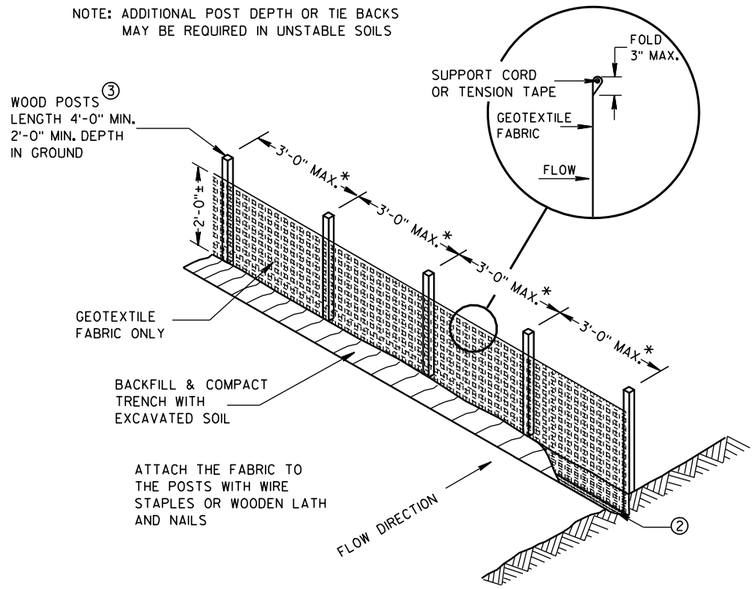
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

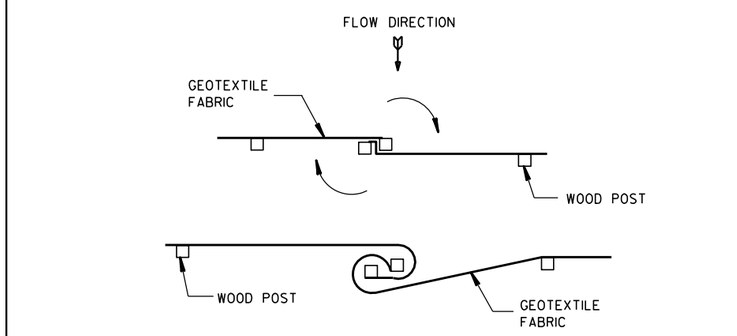
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



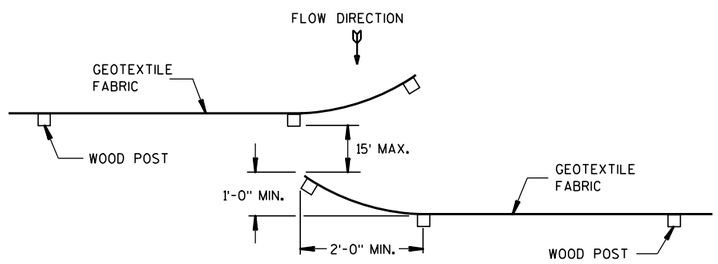
TRENCH DETAIL



SILT FENCE

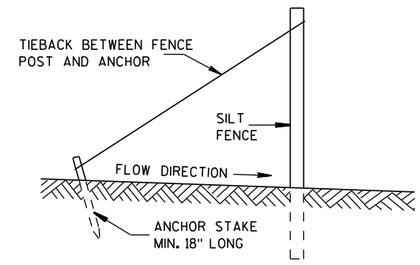


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 9-6

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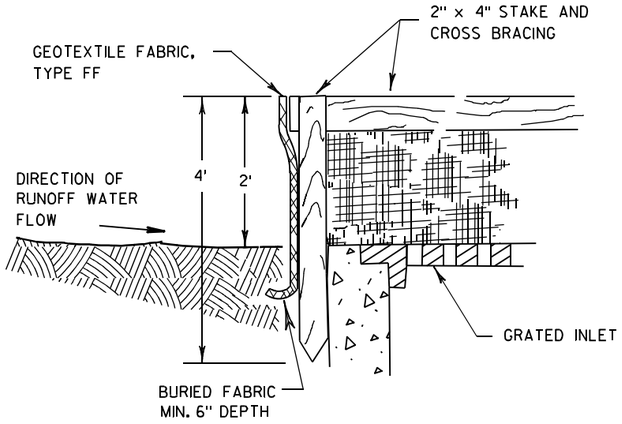
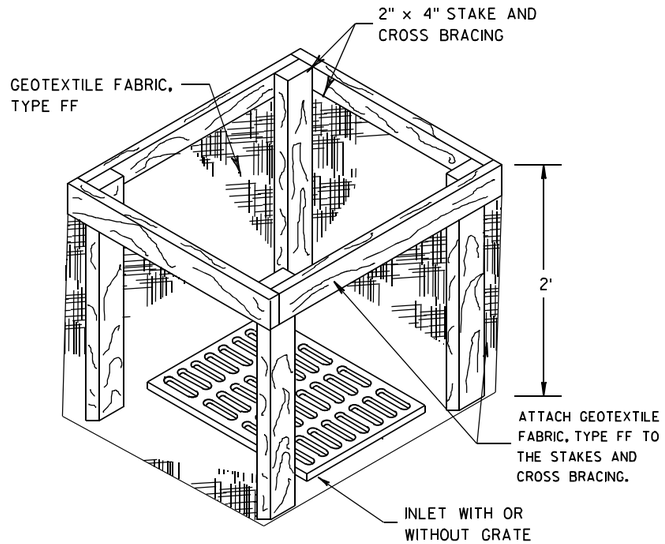
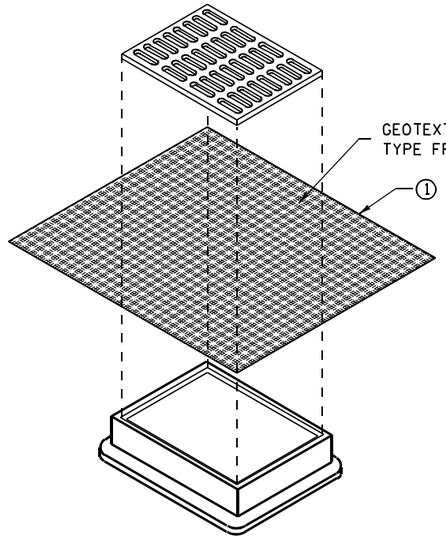
S.D.D. 8 E 9-6



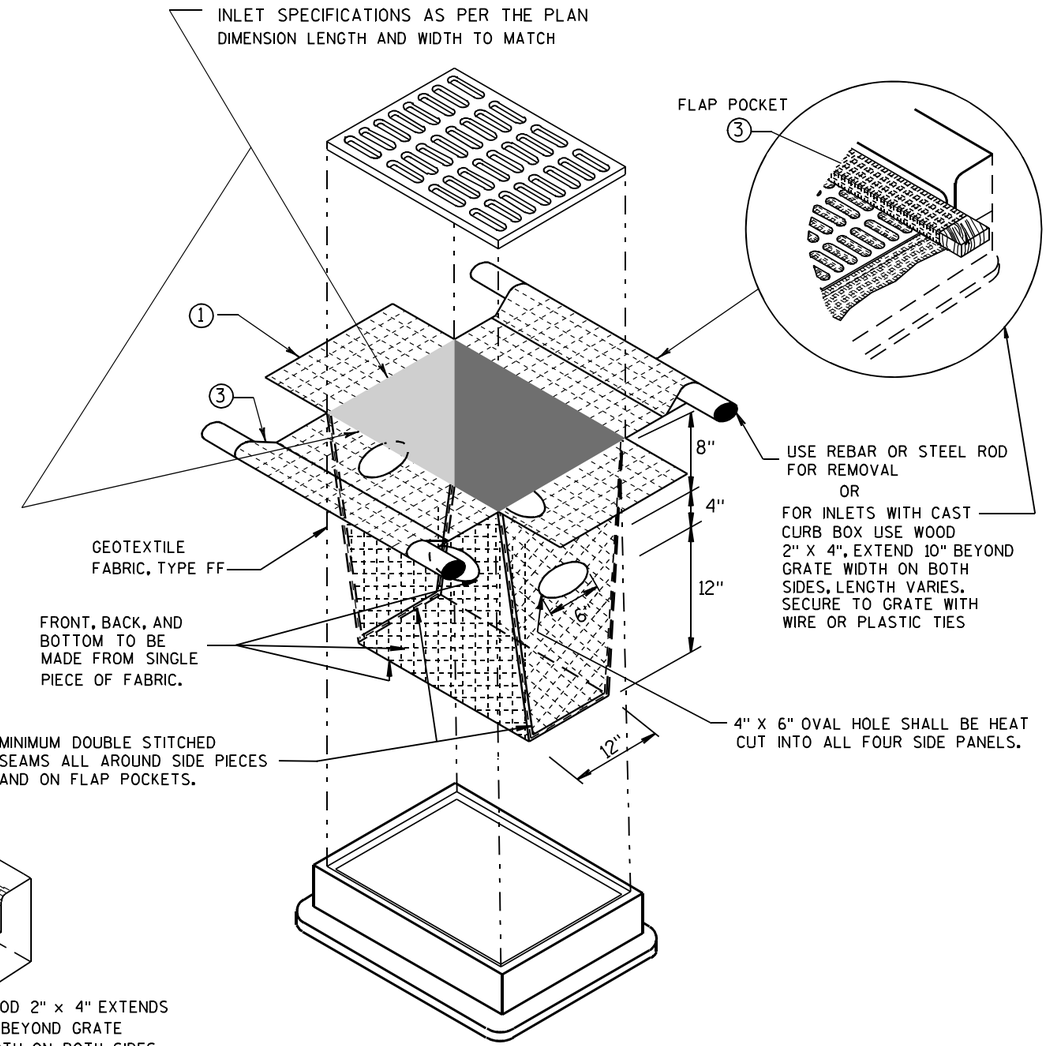


INLET PROTECTION, TYPE A



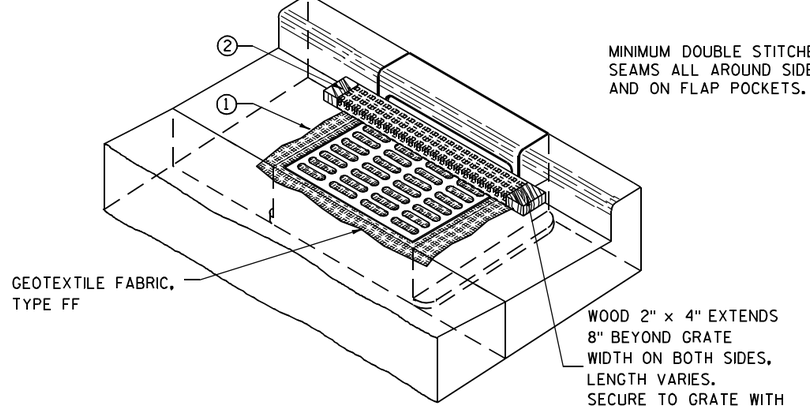
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)



INLET PROTECTION, TYPE C (WITH CURB BOX)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

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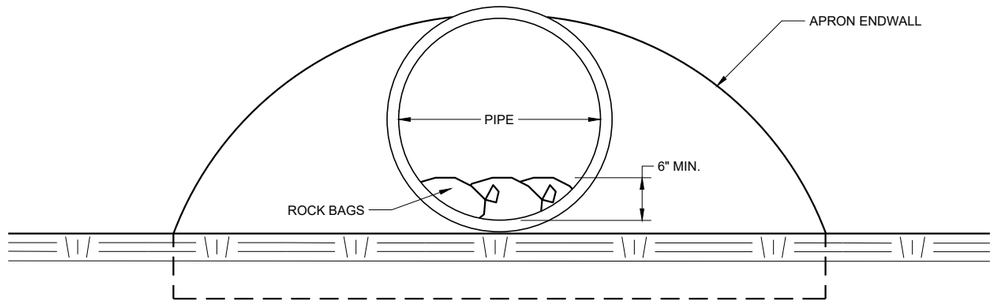
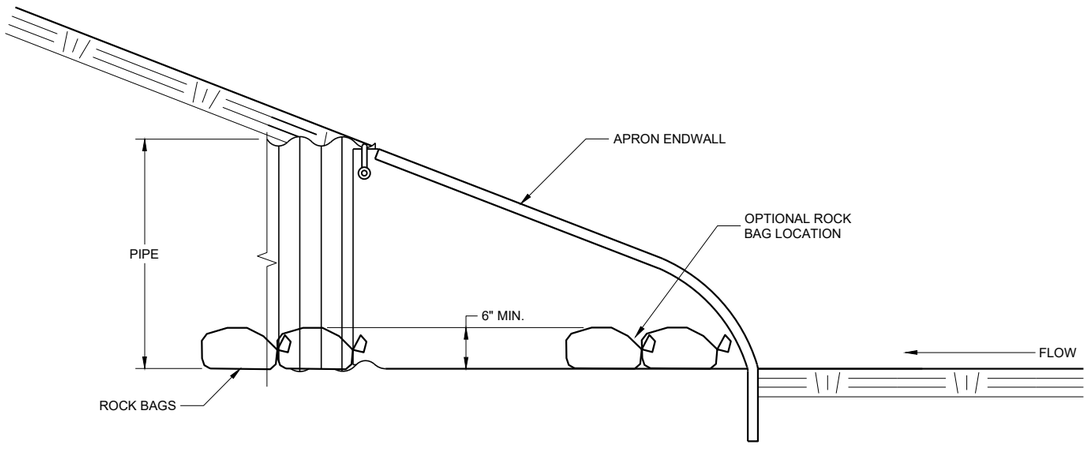
S.D.D. 8 E 10-2



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Daniel Schave
EROSION CONTROL ENGI

FHWA

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SDD 08E15 - 01

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SDD 08E15 - 01

METAL APRON ENDWALLS

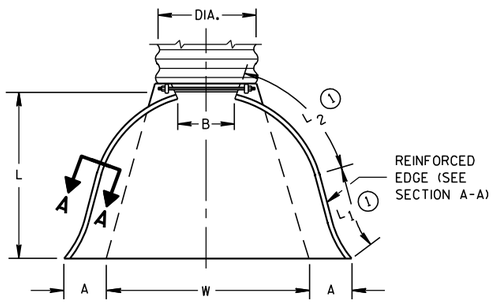
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

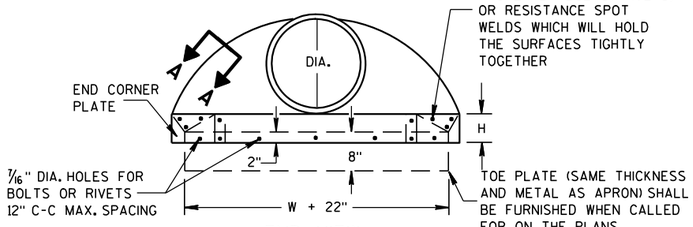
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

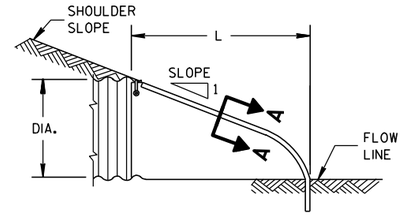
*MINIMUM
**MAXIMUM



PLAN VIEW

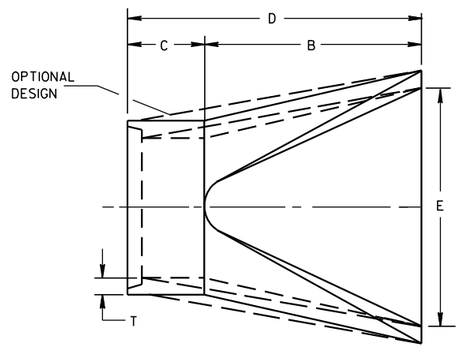


END VIEW

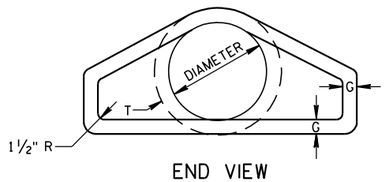


SIDE ELEVATION

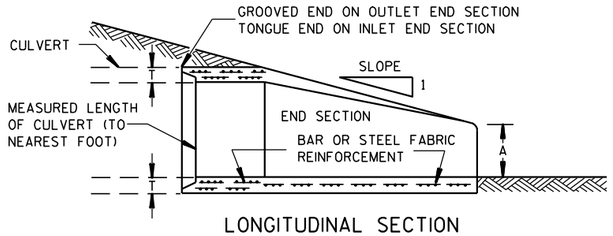
METAL ENDWALLS



PLAN

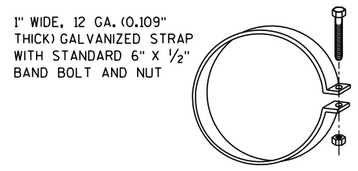


END VIEW



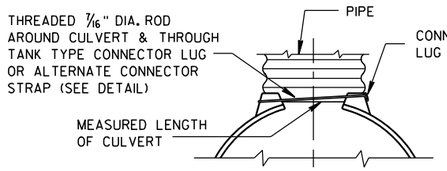
LONGITUDINAL SECTION

CONCRETE ENDWALLS

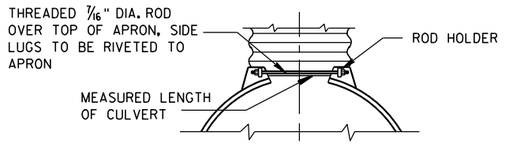


ALTERNATE FOR TYPE 1 CONNECTION

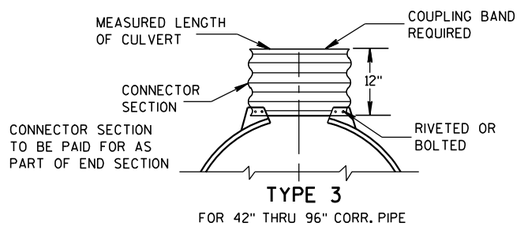
END SECTION CONNECTOR STRAP



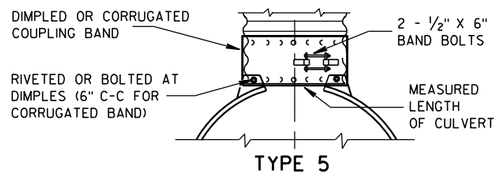
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

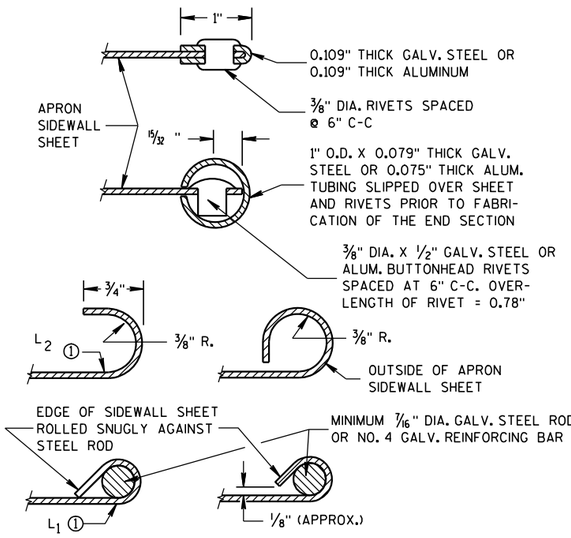
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOP 337 NEER
FHWA

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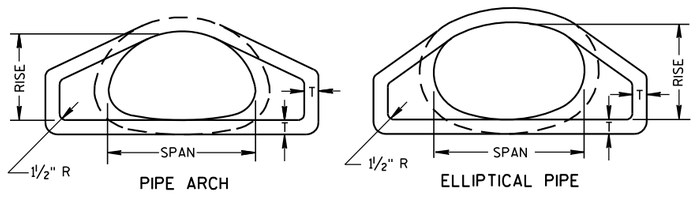
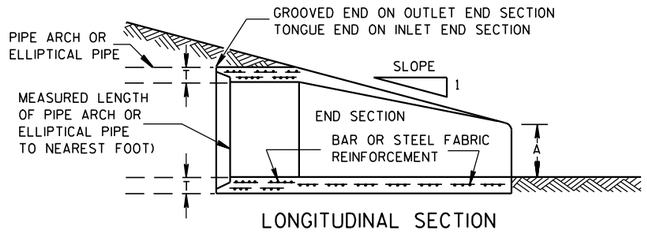
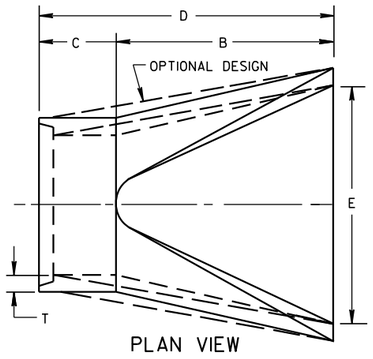
S.D.D. 8 F 1-11



END VIEW

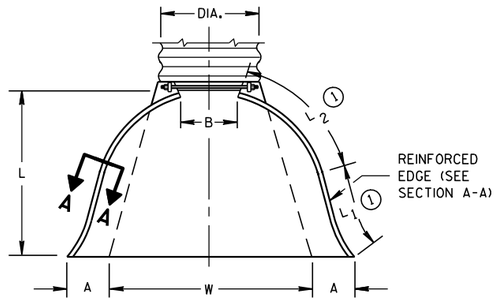


LONGITUDINAL SECTION

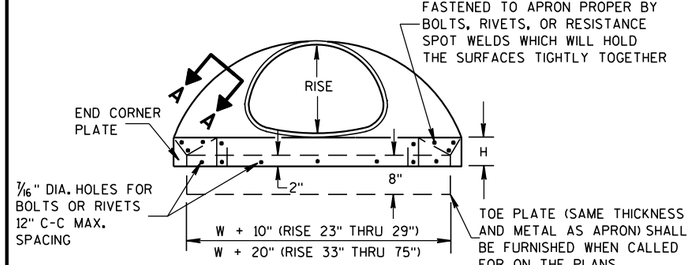


PLAN VIEW

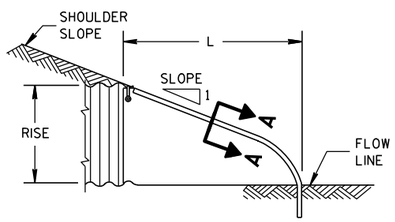
CONCRETE ENDWALLS



PLAN VIEW

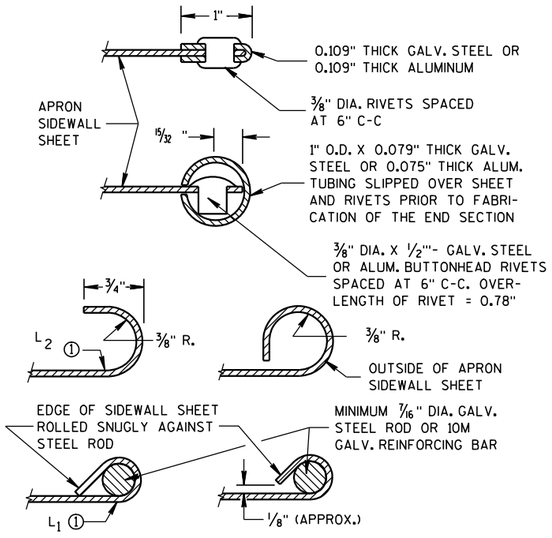


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

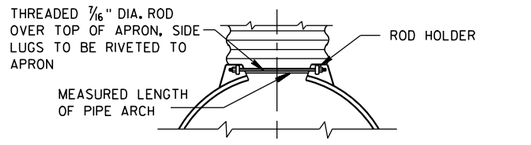
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

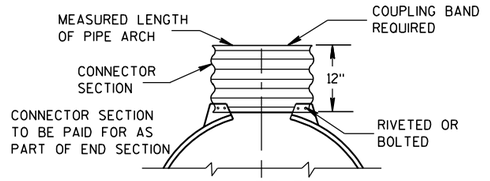
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



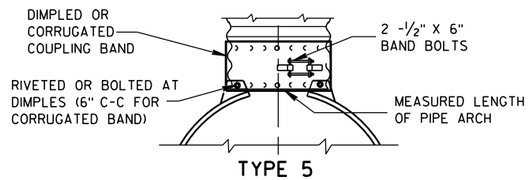
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

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S.D.D. 8 F 2-1

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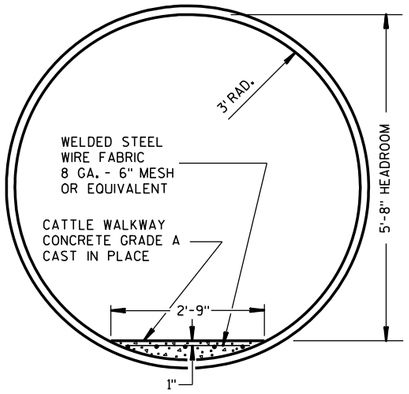
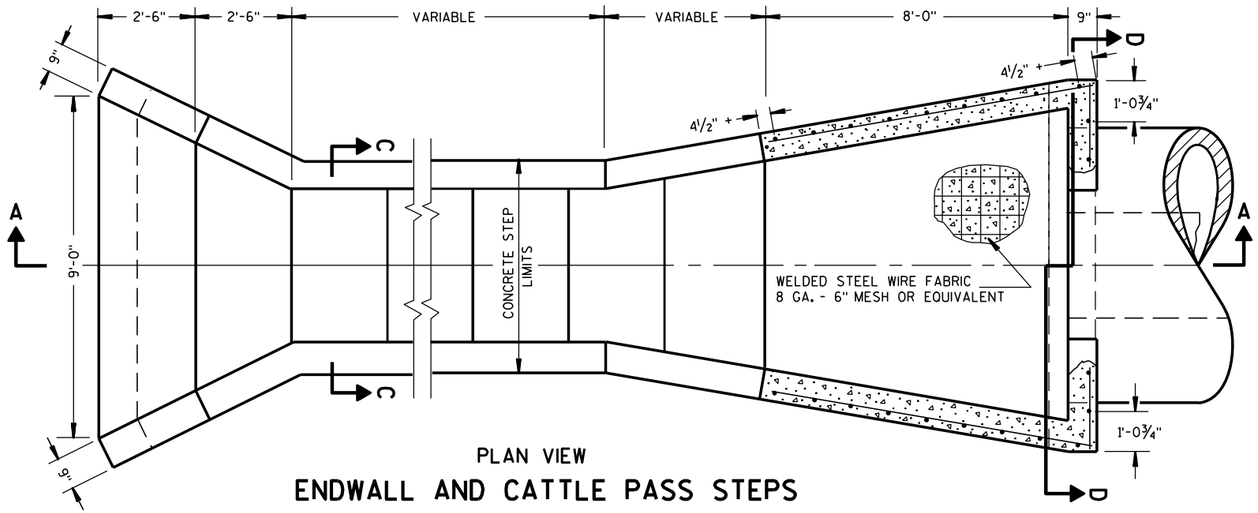
S.D.D. 8 F 2-1



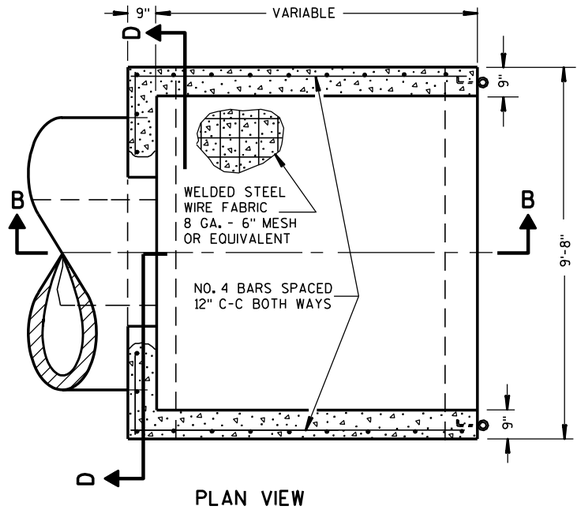
CROSS SECTION

CORRUGATED METAL PIPE CATTLE PASS



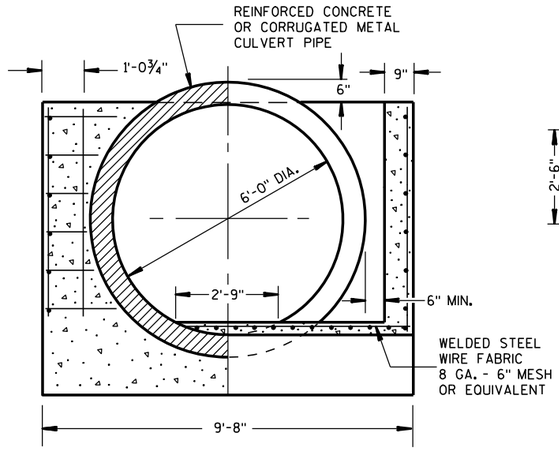
PLAN VIEW

ENDWALL AND CATTLE PASS STEPS

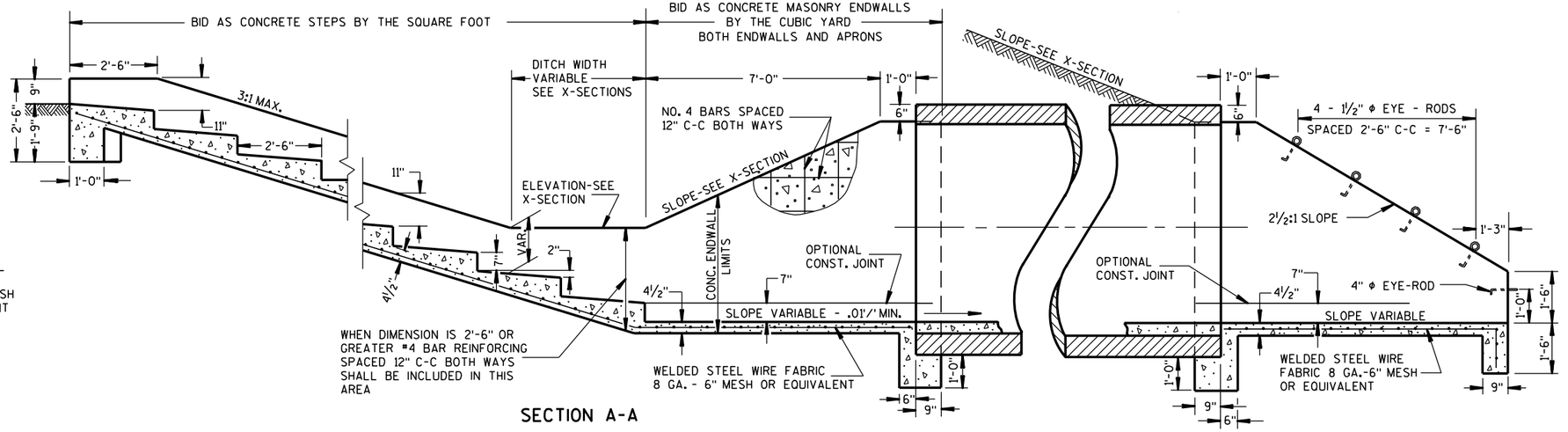


PLAN VIEW

ENDWALL FOR CATTLE PASS

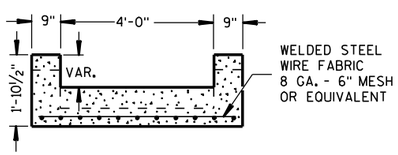


SECTION D-D

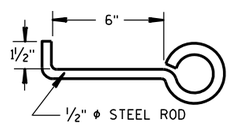


SECTION A-A

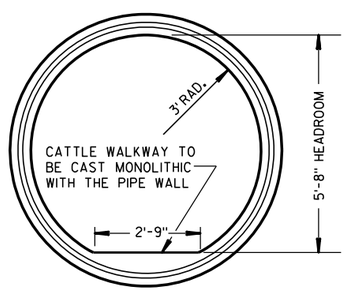
SECTION B-B



SECTION C-C



EYE-ROD ANCHOR



END VIEW

REINFORCED CONCRETE PIPE CATTLE PASS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ALL STEEL REINFORCEMENT IN ENDWALLS AND CATTLE PASS STEPS SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE NOTED.

ALL STEEL REINFORCEMENT OR FABRIC USED AS SHOWN ABOVE SHALL BE INCIDENTAL TO THE BID ITEM OF WHICH IT IS AN INTEGRAL PART.

EYE-RODS FOR FENCE CONNECTIONS SHALL BE PROVIDED BY THE CONTRACTOR AS AN INCIDENTAL TO THE BID ITEM OF CONCRETE MASONRY, ENDWALLS AND SHALL BE GALVANIZED.

CONCRETE USED FOR THE CATTLE WALKWAY WITHIN THE PIPE SHALL BE INCIDENTAL TO THE BID ITEM OF PIPE CATTLE PASS.

DETAILS FOR PIPE CATTLE PASS, CONCRETE ENDWALL AND STEPS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/6/75 — DATE

/S/ Harold Fiedler — STATE DESIGN ENGINE 339 — HWYS

FHWA

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S.D.D. 8 F 3-3

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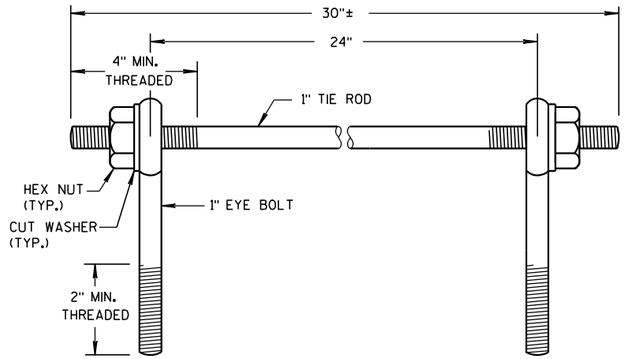
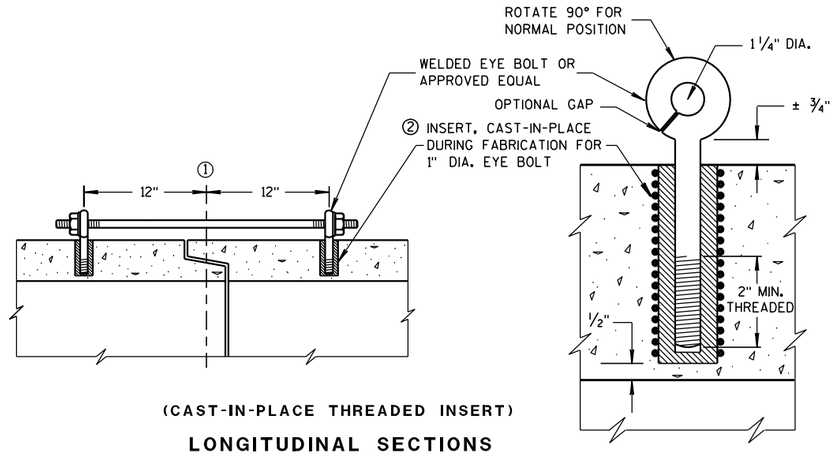
S.D.D. 8 F 3-3



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

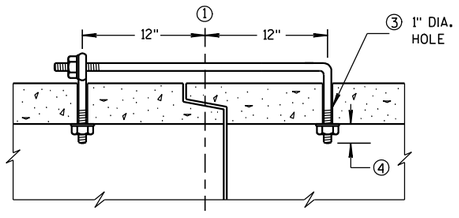
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

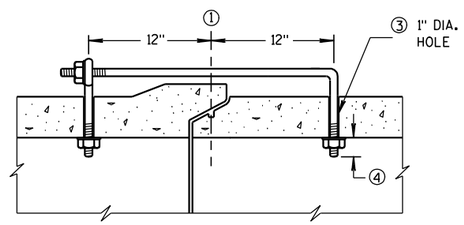
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

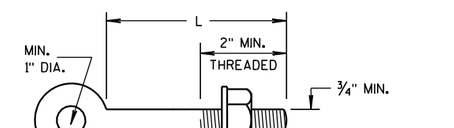


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

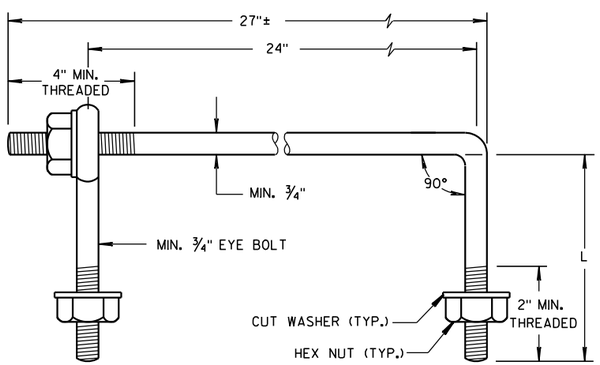
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

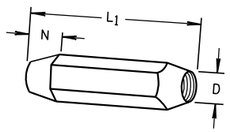
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

DIMENSIONS SHOWN ARE IN INCHES



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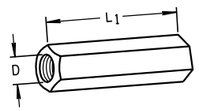
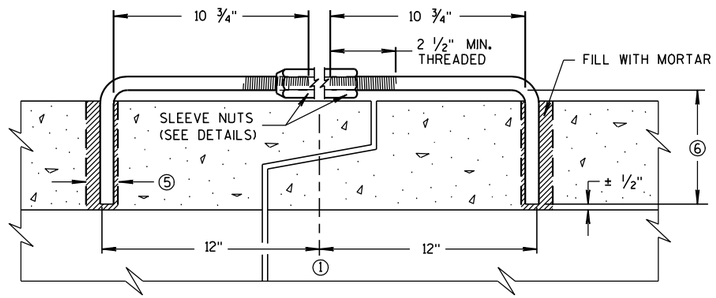


PLAIN

RIGHT AND LEFT THREADS

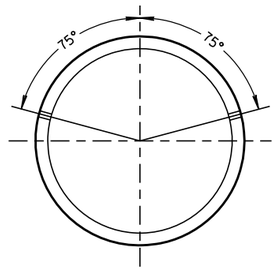
SLEEVE NUTS



LONGITUDINAL SECTION

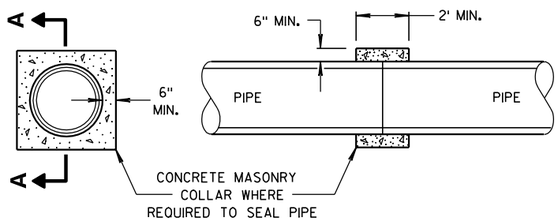
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
340
FHWA

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S.D.D. 8 F 4-7

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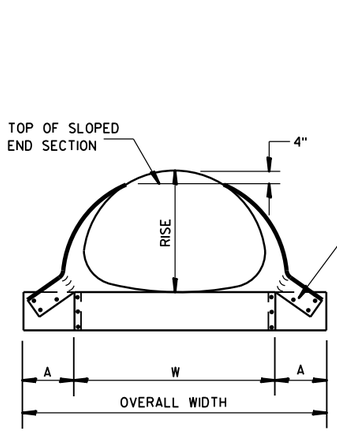
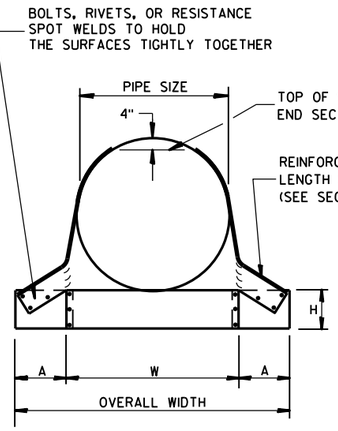
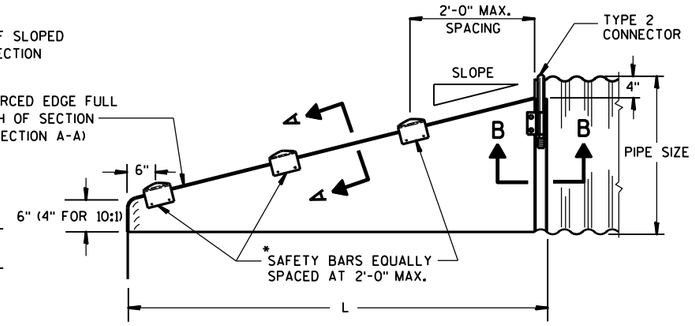
S.D.D. 8 F 4-7



FRONT VIEW



FRONT VIEW



SIDE VIEW

GENERAL NOTES

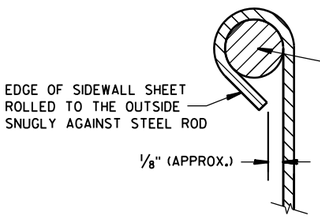
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SLOPED END SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTION 521 FOR STEEL APRON ENDWALLS.

SAFETY BARS SHALL BE FABRICATED FROM GALVANIZED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL.

STEEL APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS

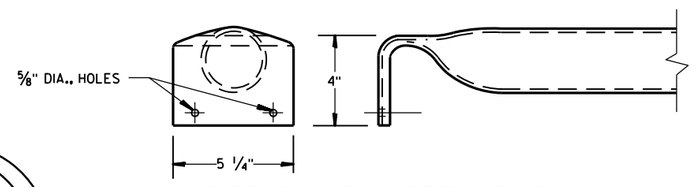
PIPE DIA. (IN.)	MIN. THICK. (Inches)	DIMENSIONS (Inches)				L DIMENSIONS					
		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	.064	8	6	21	37	4:1	20	6:1	30	10:1	70
18	.064	8	6	24	40	4:1	32	6:1	48	10:1	100
21	.064	8	6	27	43	4:1	44	6:1	66	10:1	130
24	.064	8	6	30	46	4:1	56	6:1	84	10:1	160
30	.109	12	9	36	60	4:1	80	6:1	120	10:1	220
36	.109	12	9	42	66	4:1	104	6:1	156	10:1	280
42	.109	16	12	48	80	4:1	128	6:1	192	——	——
48	.109	16	12	54	86	4:1	152	6:1	228	——	——
54	.109	16	12	60	92	4:1	176	6:1	264	——	——
60	.109	16	12	66	98	4:1	200	6:1	300	——	——



SECTION A-A

*NOTE:
THREE SAFETY BARS ARE SHOWN. ACTUAL NUMBER OF BARS REQUIRED AT A 2'-0" C-C MAX. SPACING WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

3" GALVANIZED PIPE. FLATTEN ENDS, THEN BEND OUTSIDE 4" TO MATCH END SECTION SIDES.

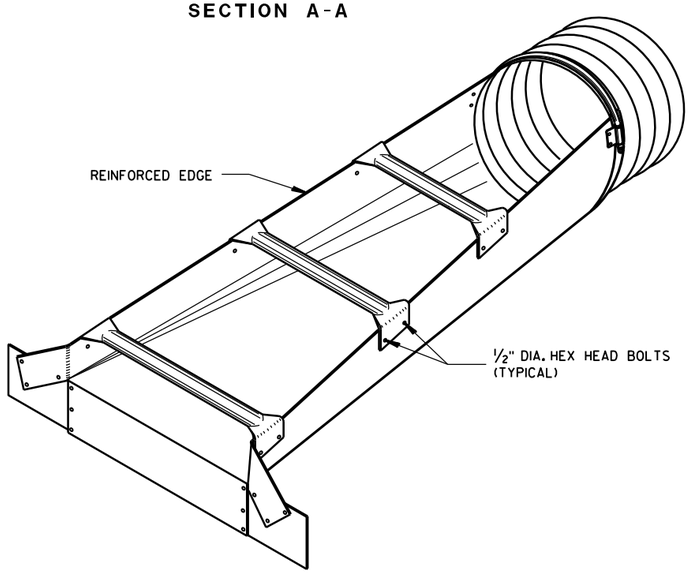


DETAIL OF SAFETY BAR

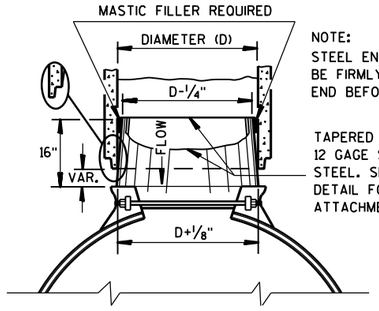
STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED SIDE DRAINS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) ①	DIMENSIONS (Inches) A	H	W	OVERALL WIDTH	L DIMENSIONS SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	17	13	.064 *	7	6	30	44	4:1	19	6:1	30	10:1 ②	70
18	21	15	.064 *	8	6	27	43	4:1	20	6:1	30	10:1	70
21	24	18	.064 *	8	6	30	46	4:1	32	6:1	48	10:1	100
24	28	20	.064 *	8	6	34	50	4:1	40	6:1	60	10:1	120
30	35	24	.079 *	12	9	41	65	4:1	56	6:1	84	10:1	160
36	42	29	.109 *	12	9	48	72	4:1	76	6:1	114	10:1	210
42	49	33	.109	16	12	55	87	4:1	92	6:1	138	——	——
48	57	38	.109	16	12	63	95	4:1	112	6:1	168	——	——
54	64	43	.109	16	12	70	102	4:1	132	6:1	198	——	——

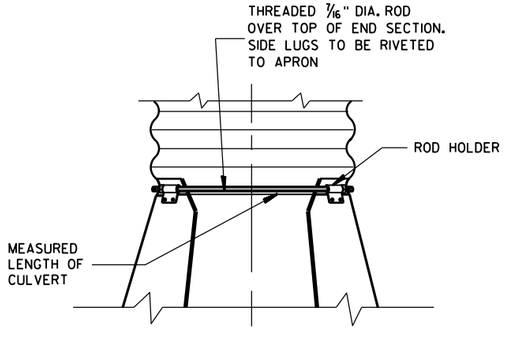
① * MINIMUM THICKNESS OF ALL 10:1 SLOPED SIDE DRAINS IS 0.109".
② ACTUAL SLOPE GREATER THAN 10:1.



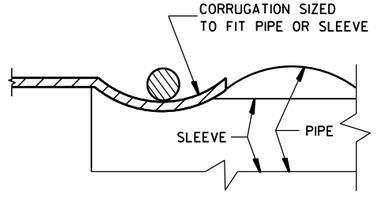
ISOMETRIC VIEW



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



TYPE 2
CONNECTION DETAIL



SECTION B-B

STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/14/2012 DATE
/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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S.D.D. 8 F 7-5

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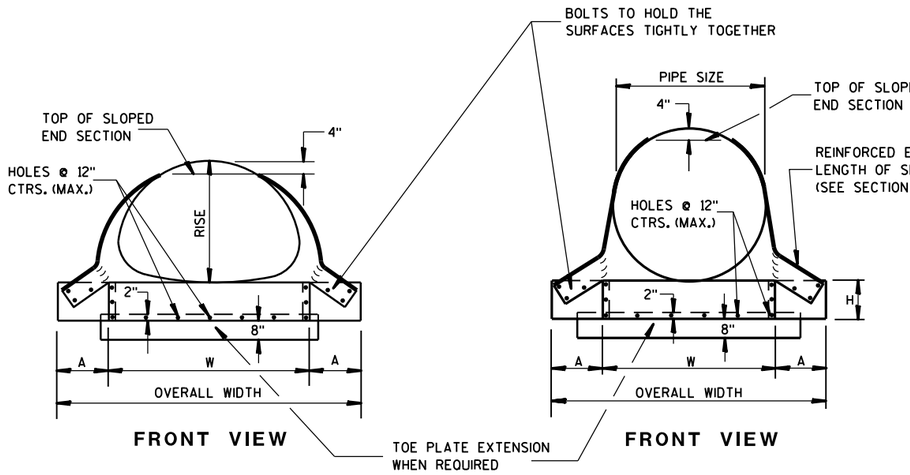
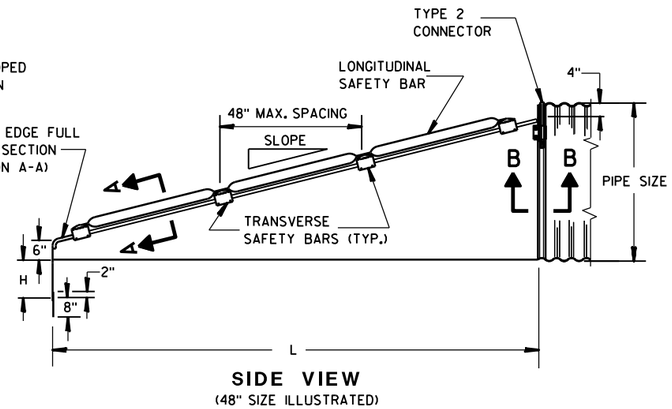
S.D.D. 8 F 7-5



FRONT VIEW

FRONT VIEW



SIDE VIEW
(48" SIZE ILLUSTRATED)

GENERAL NOTES

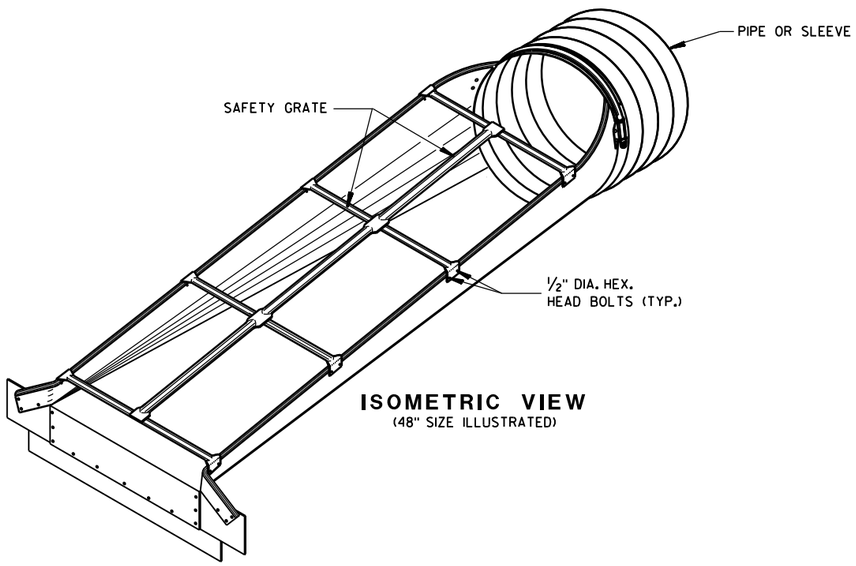
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

SAFETY GRATES SHALL BE FABRICATED FROM 3-INCH DIAMETER GALVANIZED PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL. THE LONGITUDINAL BAR SHALL BE WELDED TO THE TRANSVERSE BARS WHERE THE BARS CROSS. THE NUMBER OF TRANSVERSE BARS REQUIRED WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

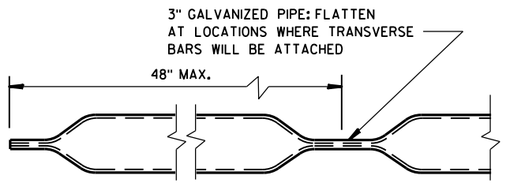
SLOPED STEEL ENDWALLS LOCATED AT THE ENDS OF CONCRETE CULVERT PIPE SHALL BE FURNISHED WITH STEEL ADAPTER SLEEVES.

STEEL APRON ENDWALLS FOR CULVERT PIPE CROSS DRAINS

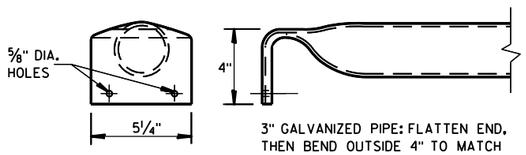
PIPE DIA. (IN.)	MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
36	.109	12	12	9	42	66	4:1	104	6:1	156
42	.109	12	16	12	48	80	4:1	128	6:1	192
48	.109	12	16	12	54	86	4:1	152	6:1	228
54	.109	12	16	12	60	92	4:1	176	6:1	264
60	.109	12	16	12	66	98	4:1	200	6:1	300



ISOMETRIC VIEW
(48" SIZE ILLUSTRATED)



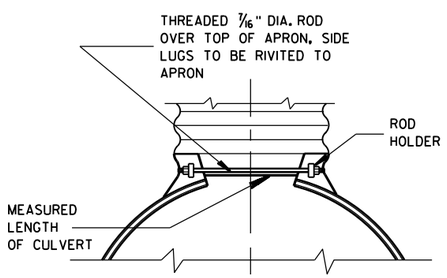
LONGITUDINAL SAFETY BAR



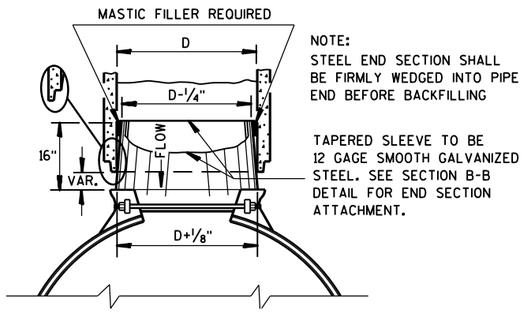
TRANSVERSE SAFETY BAR

STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS

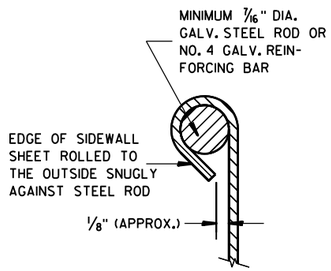
EQUIV. DIA. (IN.)	INCHES		MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	SPAN	RISE	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
30	35	24	.079	14	12	9	41	65	4:1	56	6:1	84
36	42	29	.109	12	12	9	48	72	4:1	76	6:1	114
42	49	33	.109	12	16	12	55	87	4:1	92	6:1	138
48	57	38	.109	12	16	12	63	95	4:1	112	6:1	168
54	64	43	.109	12	16	12	70	102	4:1	132	6:1	198
60	71	47	.109	12	16	12	77	109	4:1	148	6:1	222



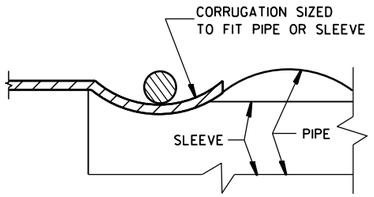
TYPE 2 CONNECTOR DETAIL



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



SECTION A-A



SECTION B-B

STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED CROSS DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

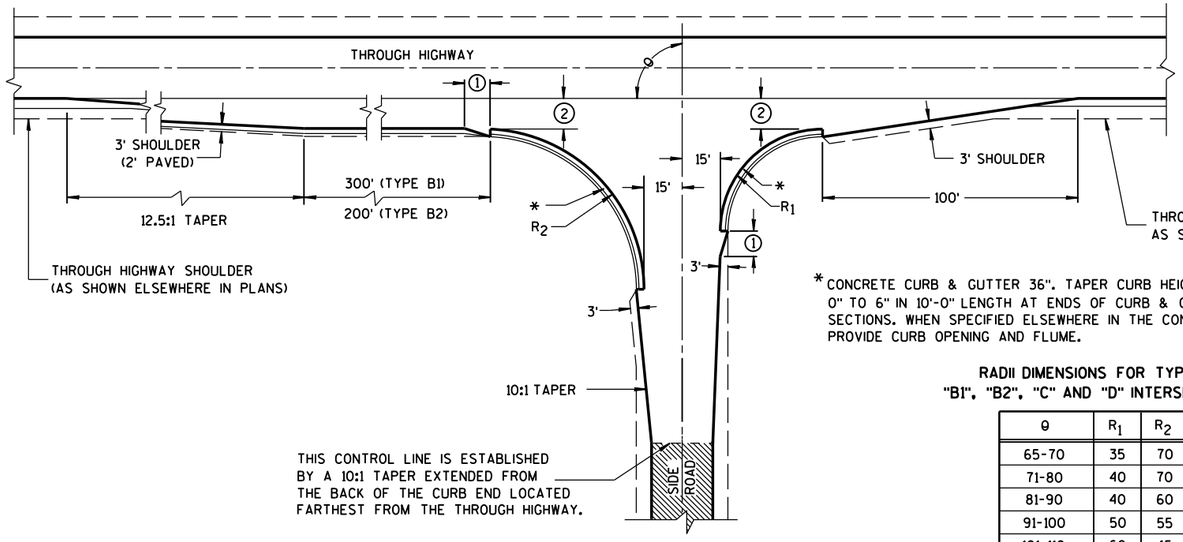
6/5/2012 — DATE

/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER

FHWA

6

S.D.D. 8 F 8-2

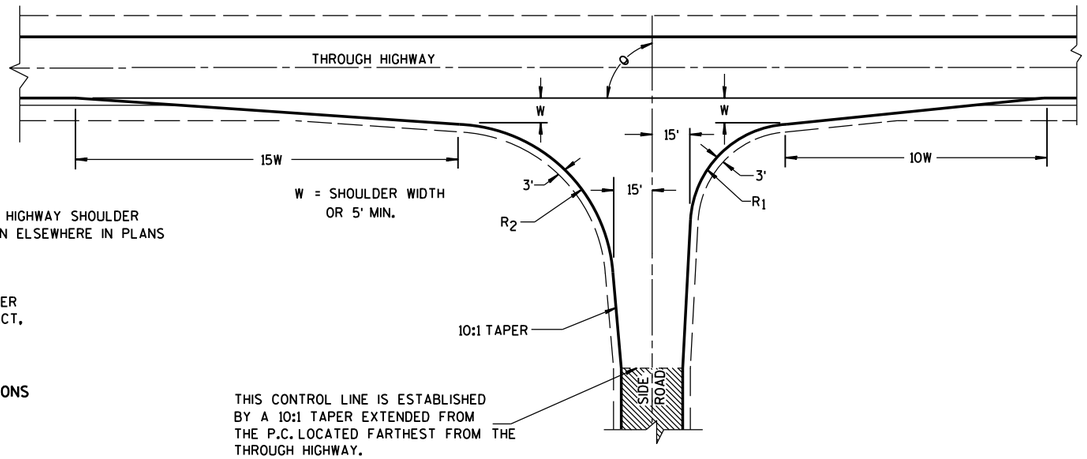


TYPE "B1" AND "B2"

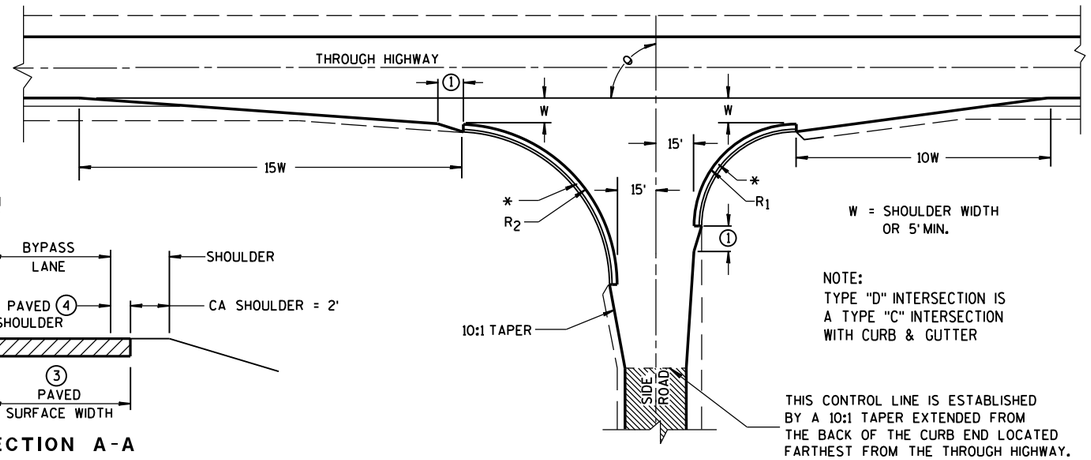
*CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65-70	35	70
71-80	40	70
81-90	40	60
91-100	50	55
101-110	60	45



TYPE "C"



TYPE "D"

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

EXISTING PAVED SURFACE

BYPASS LANE

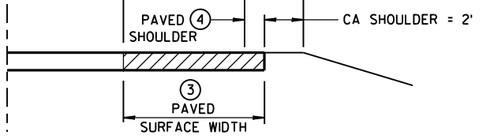
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

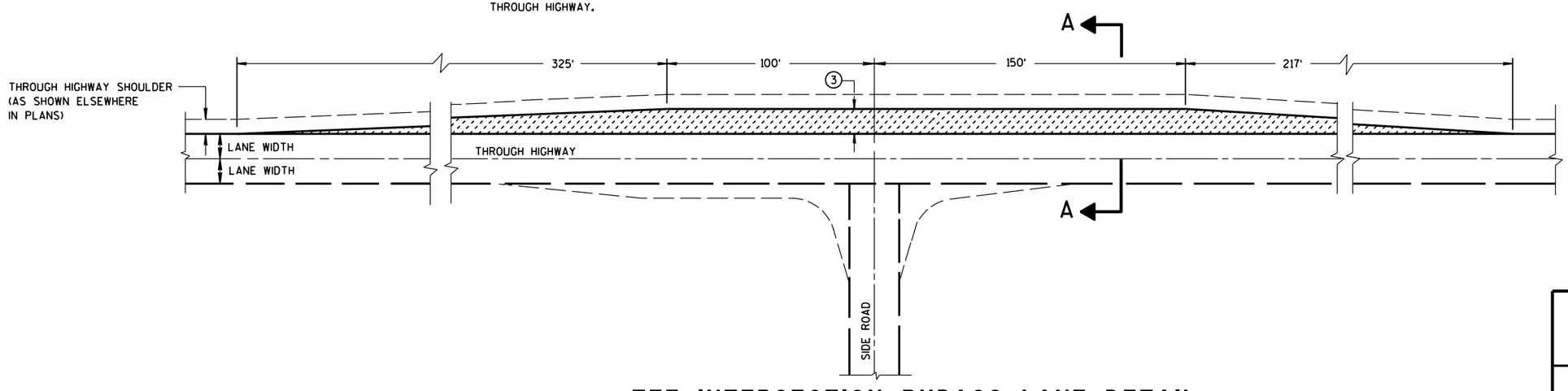
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
-ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
-PC CPNCRETE = 13-FT PLUS PAVED SHOULDER WIDTH.

(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)

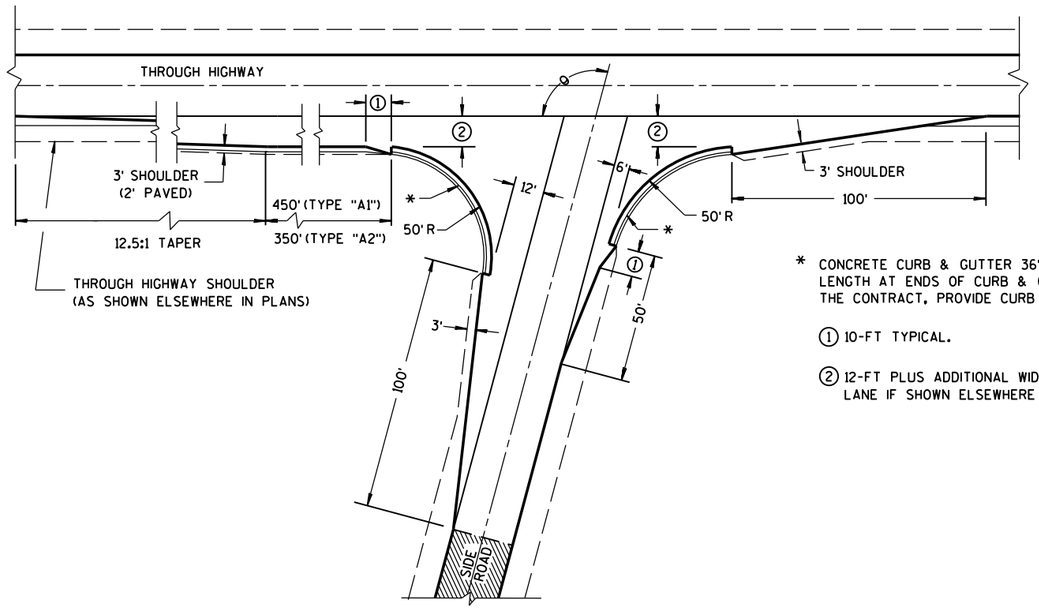


TEE INTERSECTION BYPASS LANE DETAIL

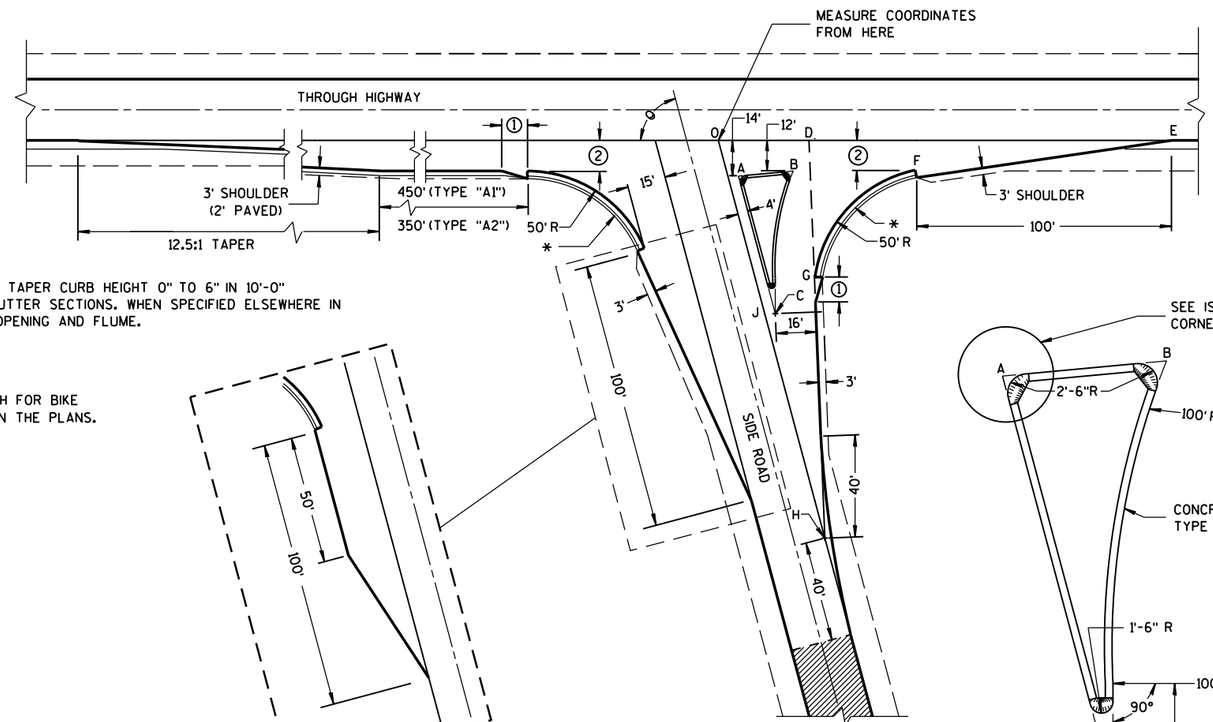
AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6
S.D.D. 9 A 1-13a



θ = MORE THAN 80°

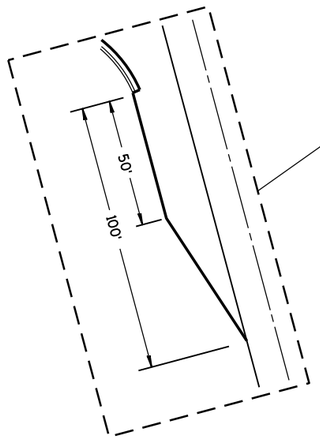


θ = ACUTE ANGLES 80° OR LESS

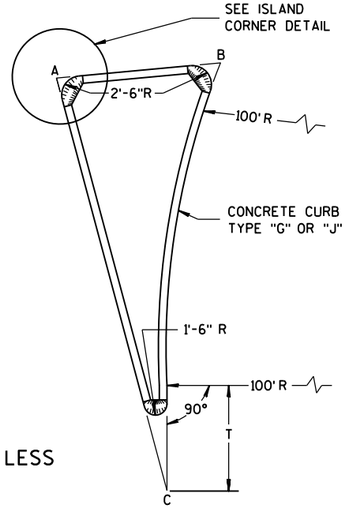
* CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

① 10-FT TYPICAL.

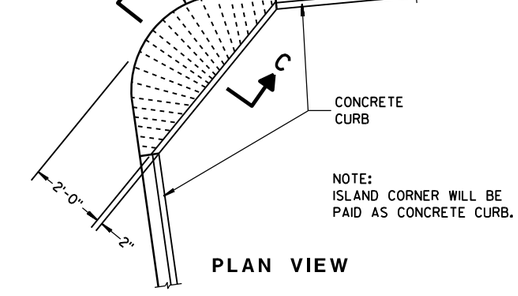
② 12-FT PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLANS.



SIDE ROAD WIDENING AND TAPER REQUIRED WHERE THE THROUGH HIGHWAY CARRIES TWO-WAY TRAFFIC
θ = ACUTE ANGLES 70° OR LESS

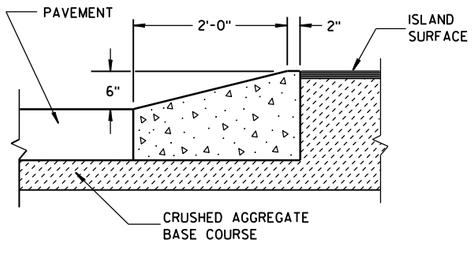


EXISTING PAVED SURFACE



NOTE:
ISLAND CORNER WILL BE PAID AS CONCRETE CURB.

PLAN VIEW



SECTION C-C

ISLAND CORNER DETAIL

(TO BE CONSTRUCTED AT ALL ISLAND CORNERS)

TABLE OF DIMENSIONS FOR
VARIABLE SIDE ROAD INTERSECTION ANGLES
(INTERPOLATE VALUES FOR ANGLES NOT SHOWN)

ANGLE θ DEGREES	COORDINATES IN FEET (MEASURED FROM POINT "O") X/Y								LENGTH IN FEET				
	A	B	C	D	E	F	G	H	AB	AC	T	OJ	OH
60	12.7 / -14.0	44.9 / -12.0	46.4 / -72.4	41.9 / 0.0	205.0 / 0.0	104.6 / -12.0	64.0 / -75.5	85.0 / -147.1	32.3	67.4	4.9	85.9	169.9
65	10.9 / -14.0	39.0 / -12.0	37.8 / -71.6	39.4 / 0.0	196.1 / 0.0	95.7 / -12.0	54.1 / -71.5	70.5 / -151.3	28.2	63.6	8.5	80.9	166.9
70	9.4 / -14.0	33.9 / -12.0	29.8 / -70.1	37.4 / 0.0	188.3 / 0.0	87.8 / -12.0	45.6 / -67.5	56.1 / -154.2	24.6	59.7	11.5	76.1	164.1
75	7.9 / -14.0	29.3 / -12.0	22.3 / -67.9	35.7 / 0.0	181.2 / 0.0	80.7 / -12.0	38.2 / -63.4	41.8 / -155.9	21.5	55.8	13.8	71.4	161.4
80	6.5 / -14.0	25.4 / -12.0	15.6 / -65.2	34.4 / 0.0	174.8 / 0.0	74.4 / -12.0	31.8 / -59.3	27.6 / -156.5	18.9	52.0	15.6	66.9	158.9

TYPE "A1" & "A2" SIDE ROAD INTERSECTION DETAILS

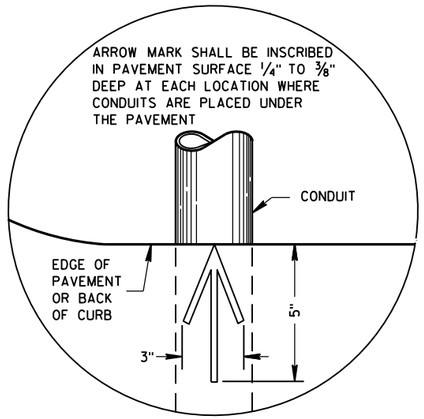
AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/18/12 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

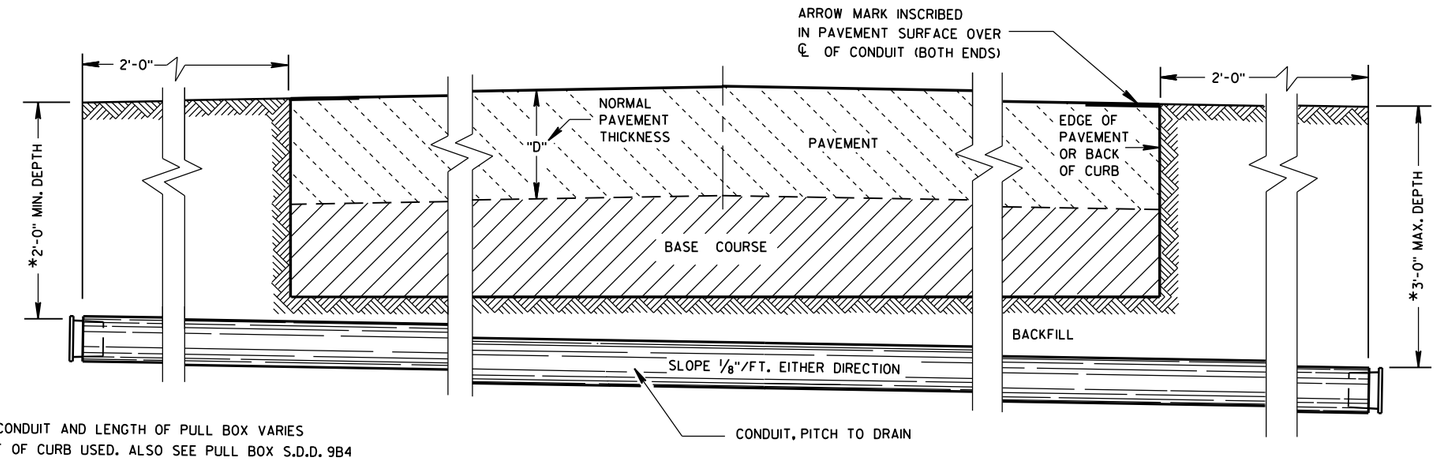
S.D.D. 9 A 1-13b

S.D.D. 9 A 1-13b



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 345
FHWA

6

S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		NON-CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 1/2	22 1/2
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN 1/4".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

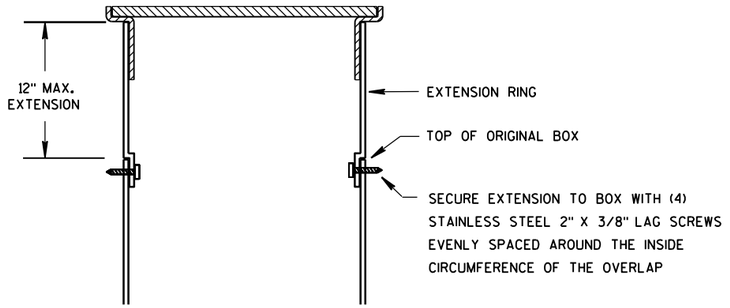
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

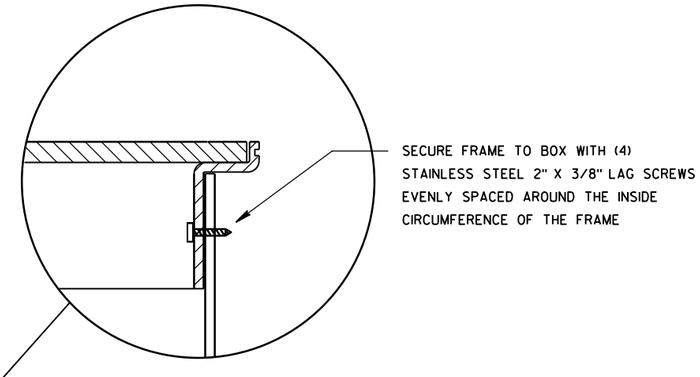
ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

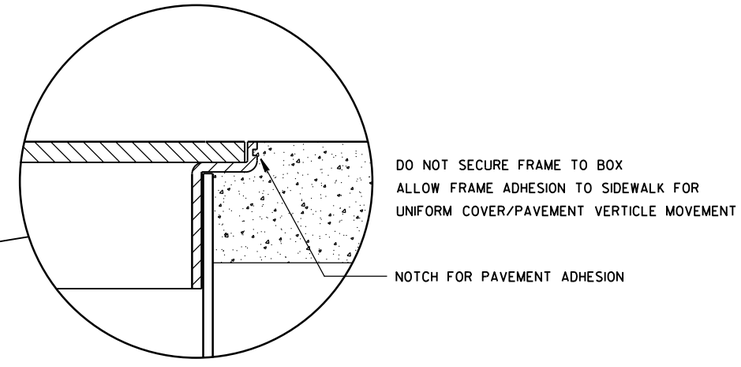
LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.



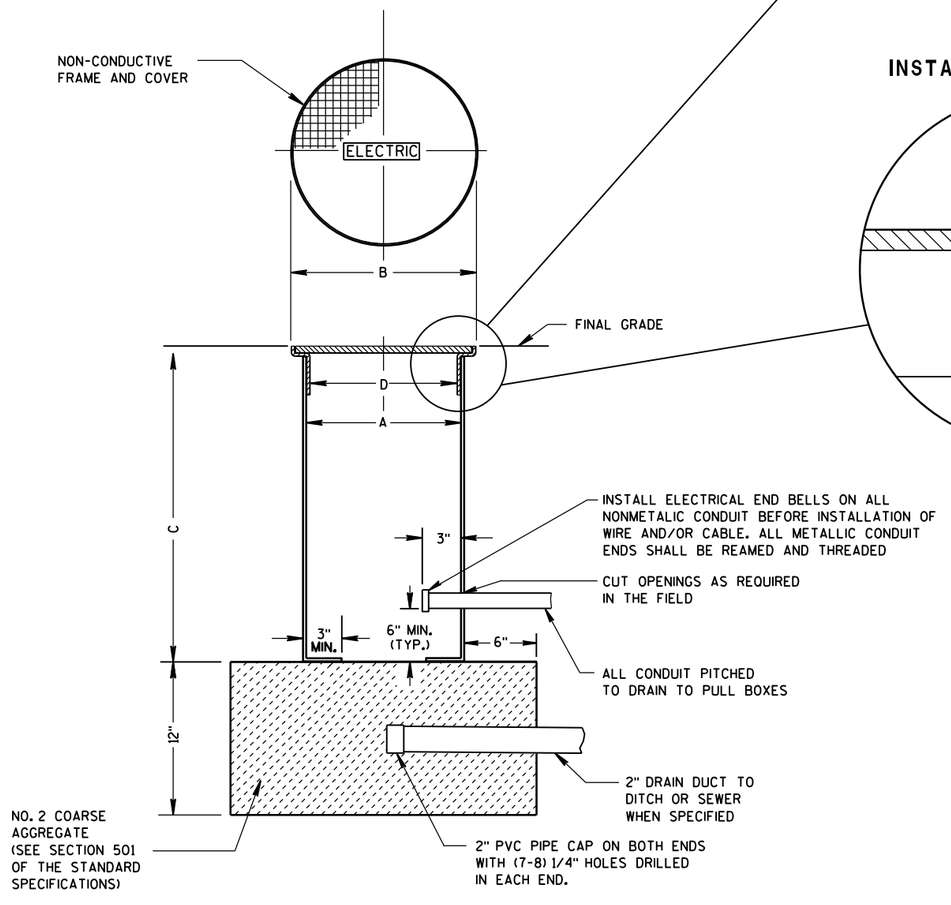
BOX EXTENSION



INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



NON-CONDUCTIVE PULL BOX

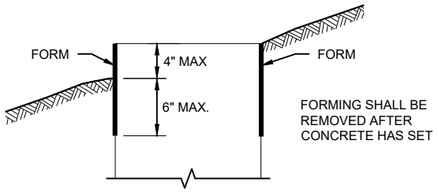
PULL BOX
NON-CONDUCTIVE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL
FHWA

6
S.D.D. 9 B 16-1

FORM DEPTH SHALL BE
NO MORE THAN 6" BELOW
GRADE ON THE LOWER
SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWINGSHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

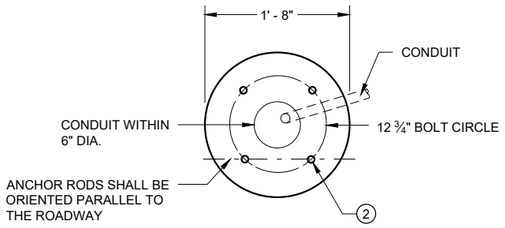
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

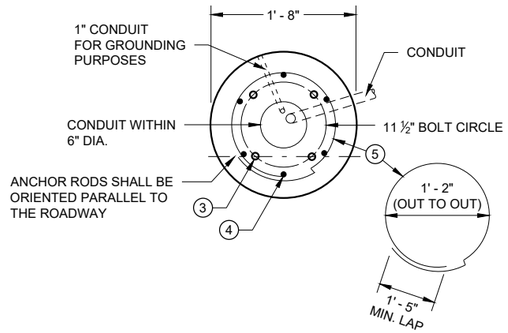
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

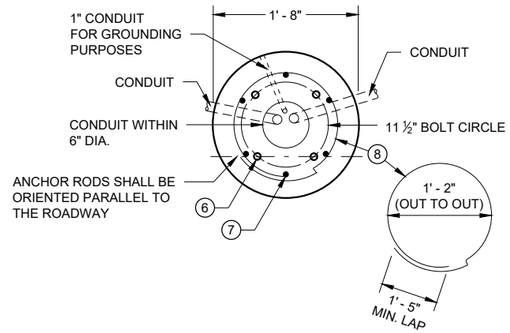
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







1 THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

2 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

3 (4) 1" DIA. X 5' - 0" ANCHOR RODS.

4 (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

5 (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

6 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

7 (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

8 (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

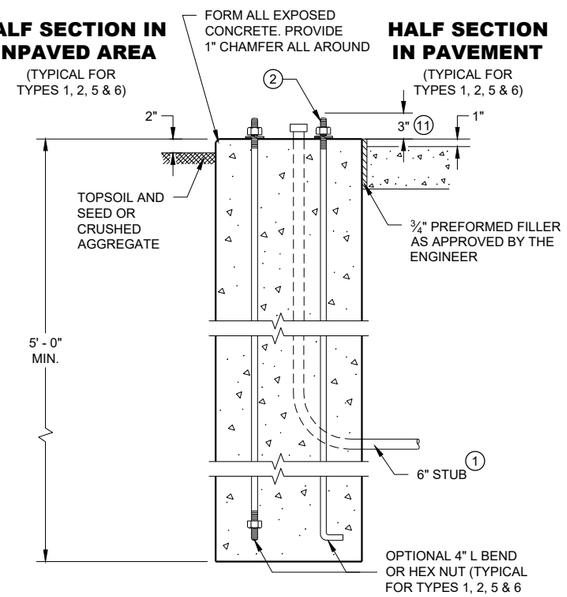
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

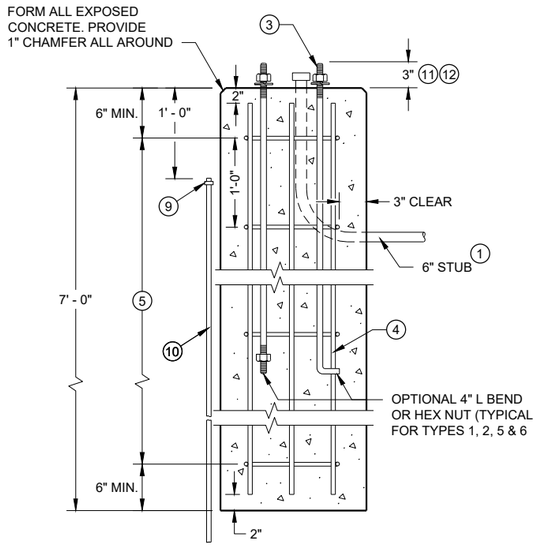
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



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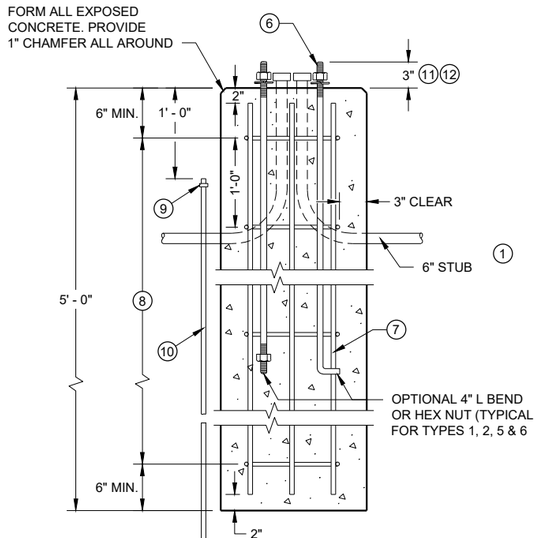


TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES
TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 347

FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

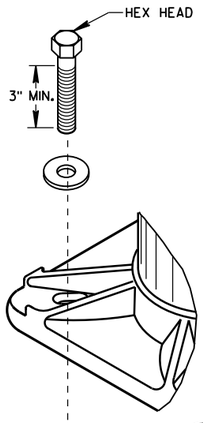
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

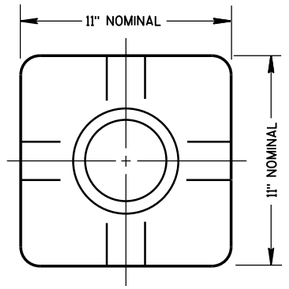
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

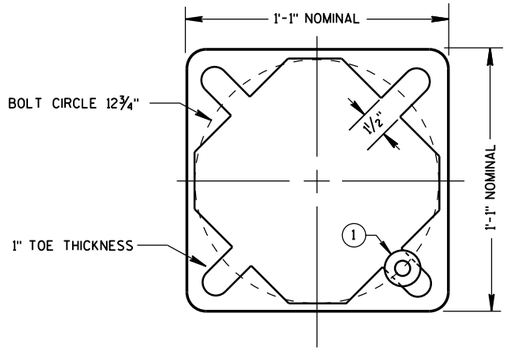
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

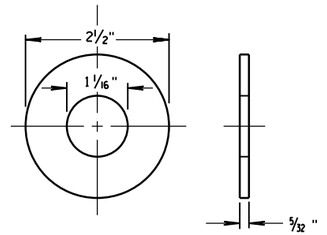




TOP VIEW
(PEDESTAL BASE)

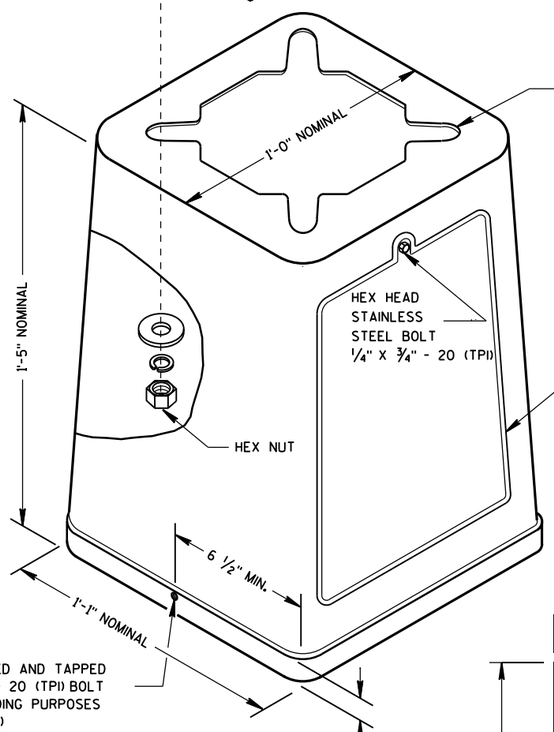


BOTTOM VIEW
(PEDESTAL BASE)

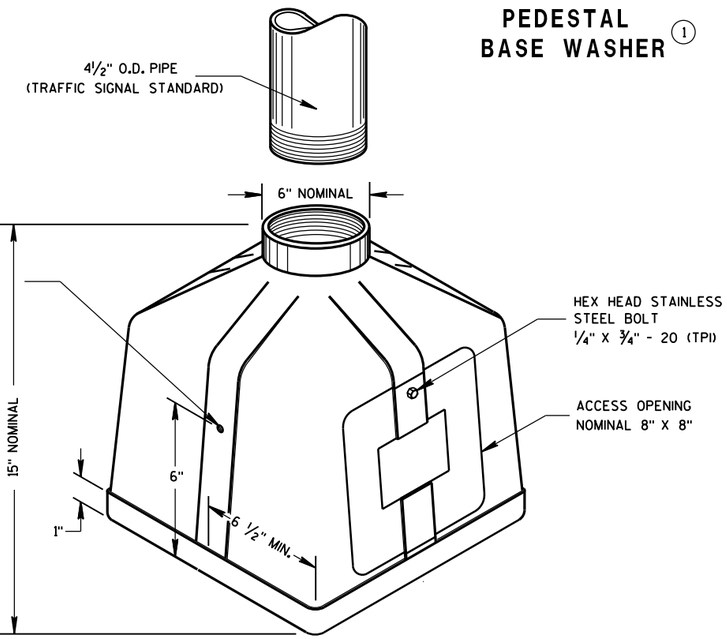


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

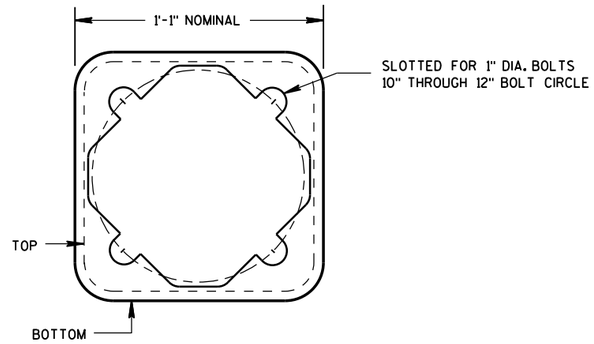


ISOMETRIC VIEW

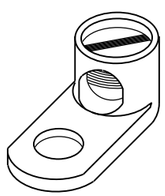


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

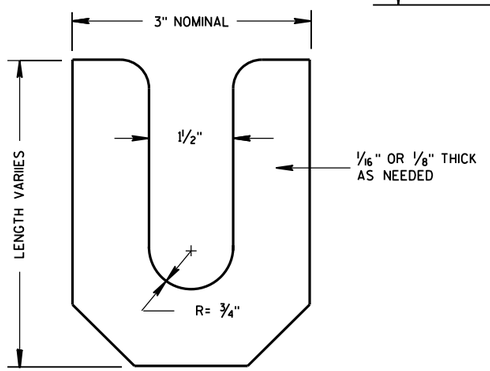


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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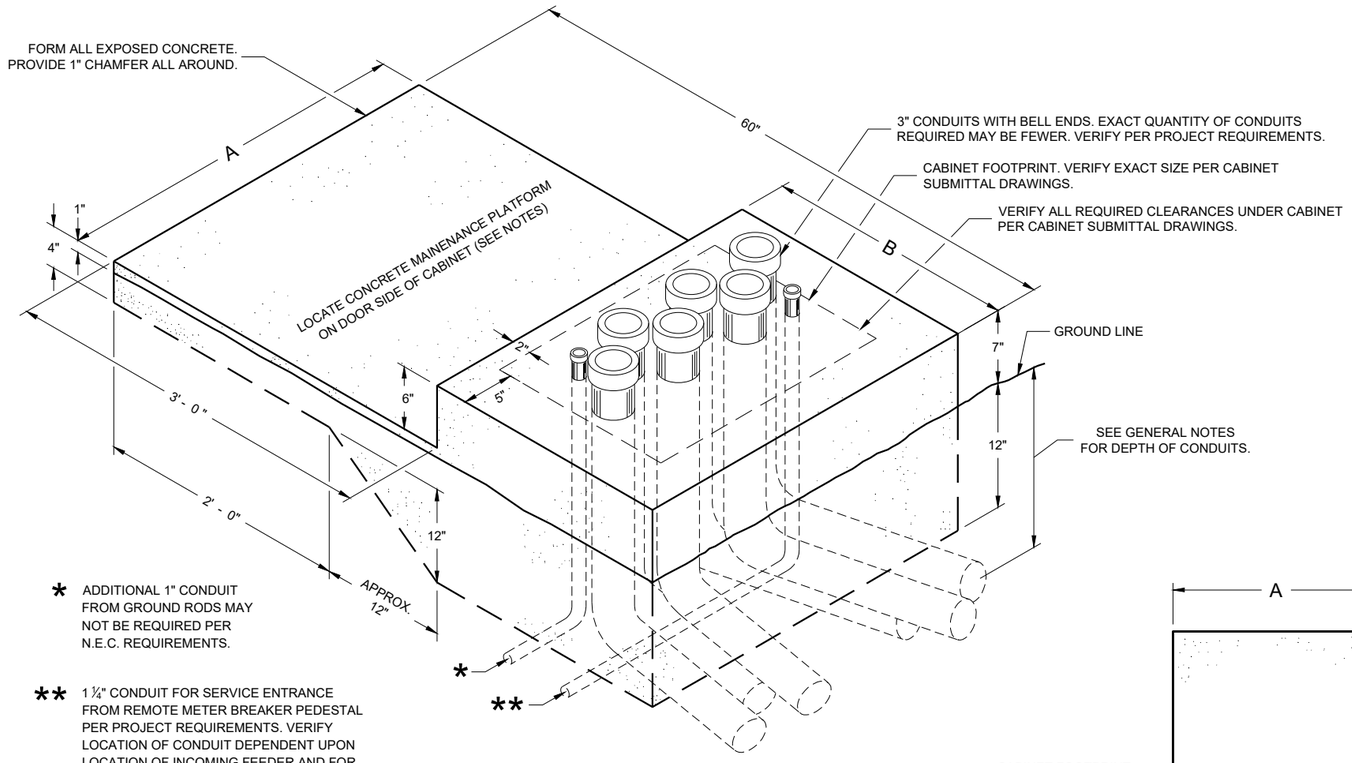


* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

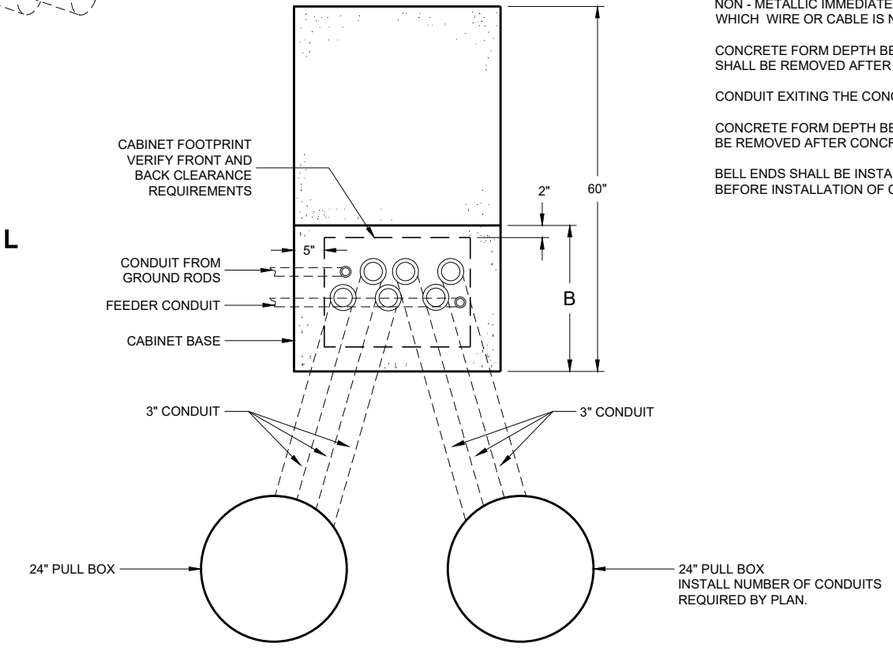
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS UNLESS DETERMINED BY THE ENGINEER IN THE FIELD.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCH MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE L

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 349

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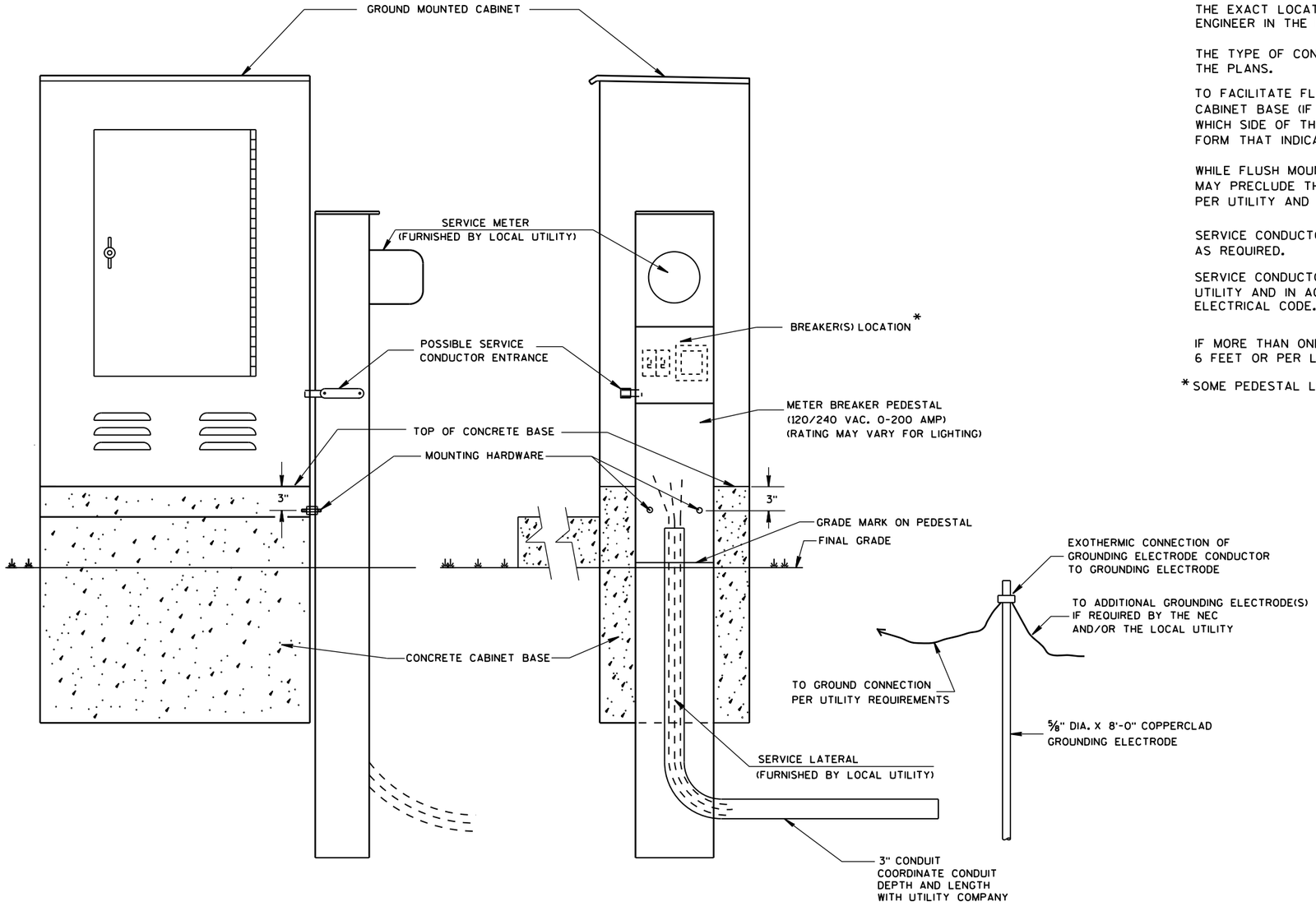

TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

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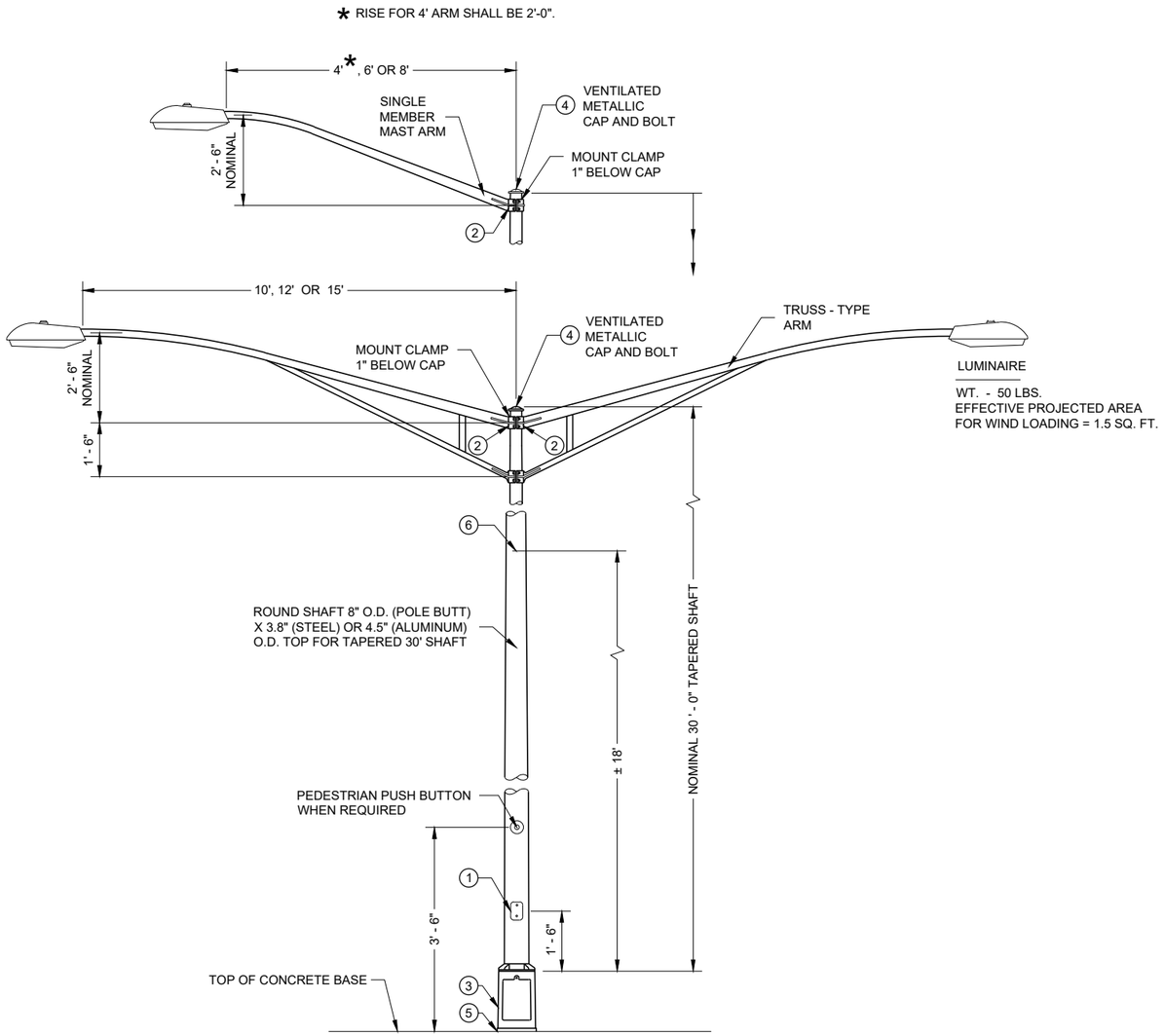
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA



TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.1888".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

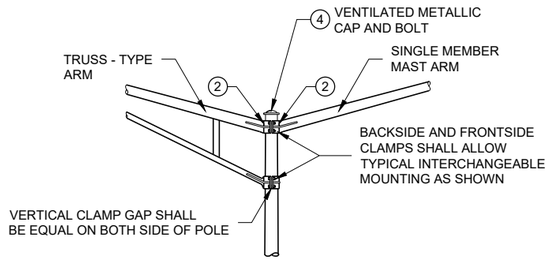
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.



INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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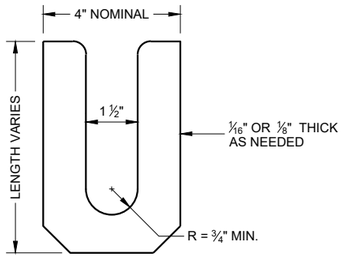
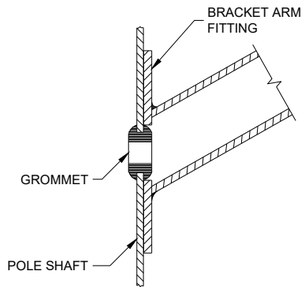
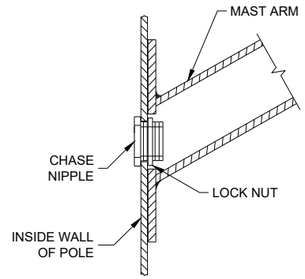


LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

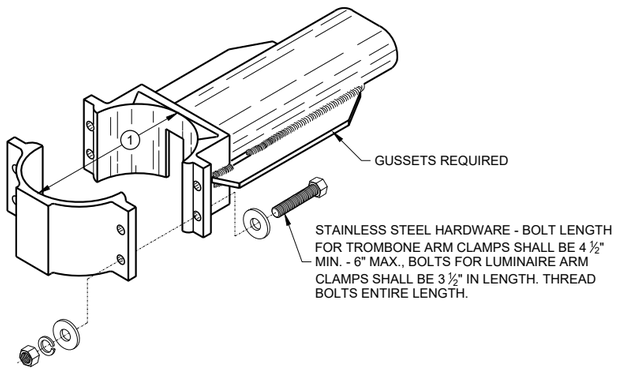
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

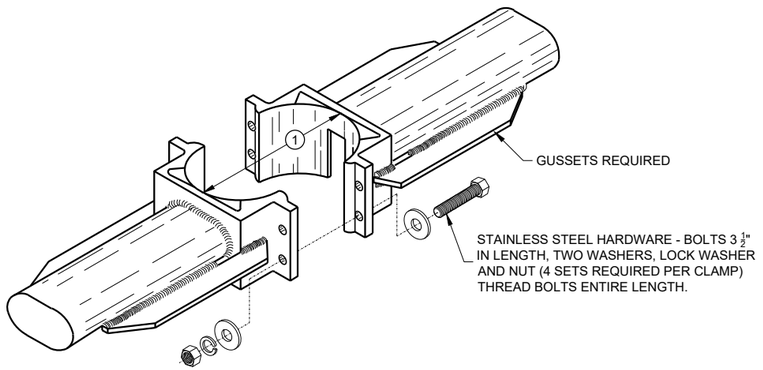
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

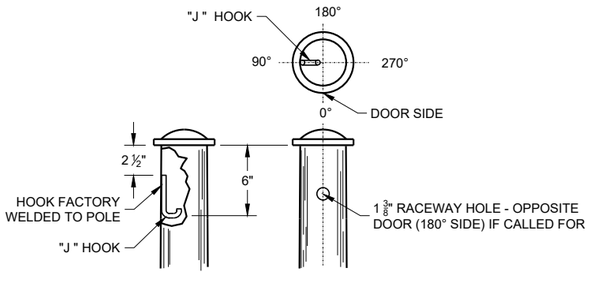
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



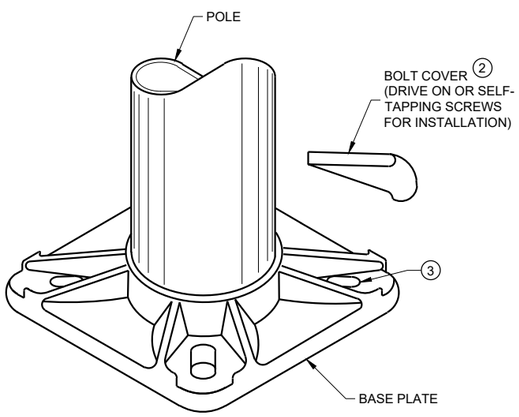
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



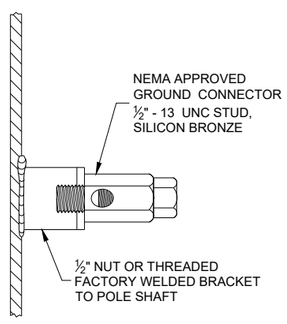
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

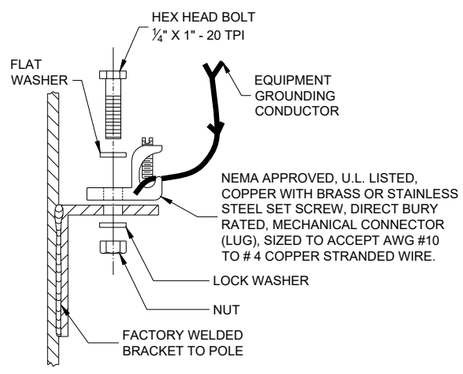


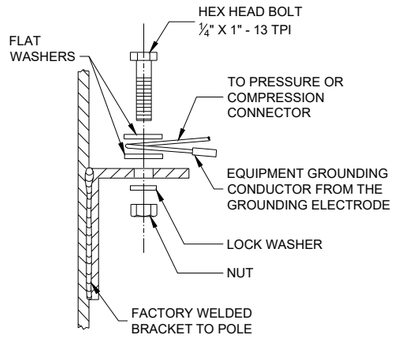
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 352

FHWA

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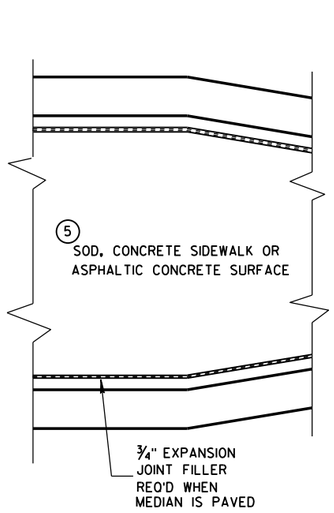
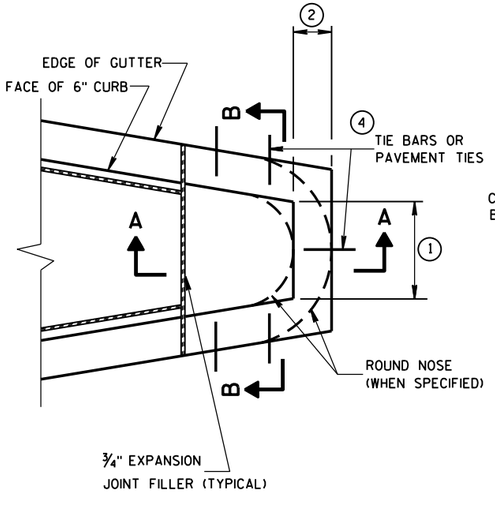
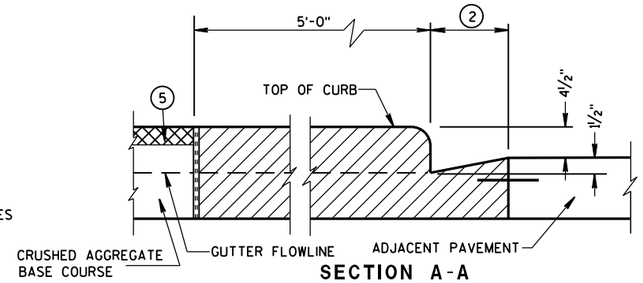
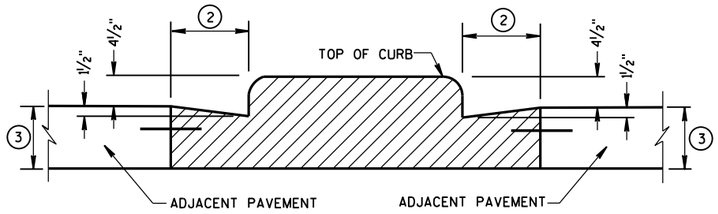
SDD 09A01 - 15g







SECTION A-A



SECTION B-B

CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

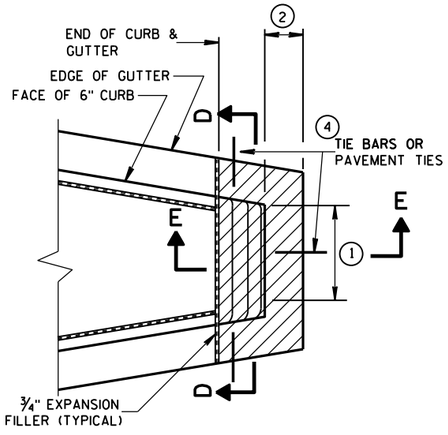
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

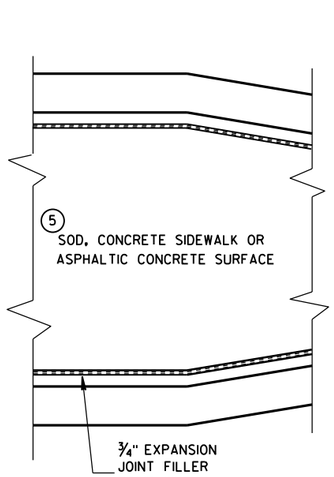
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

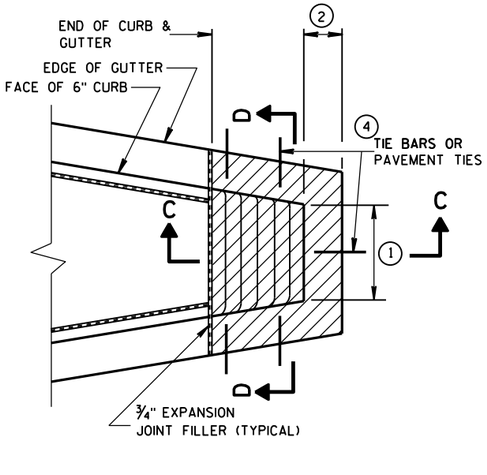
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

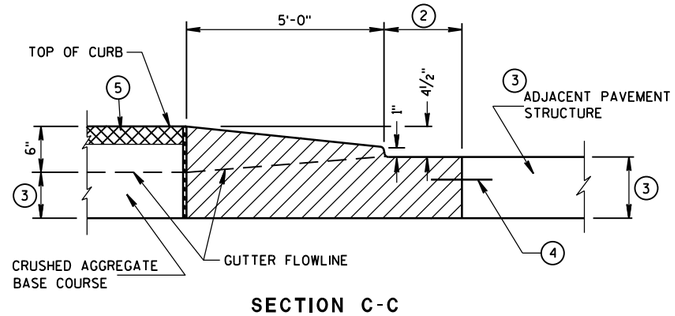
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



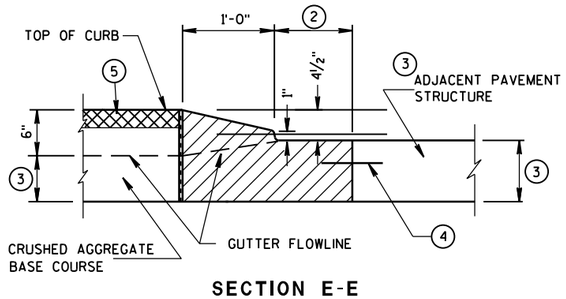




CONCRETE MEDIAN SLOPED NOSE TYPE 1

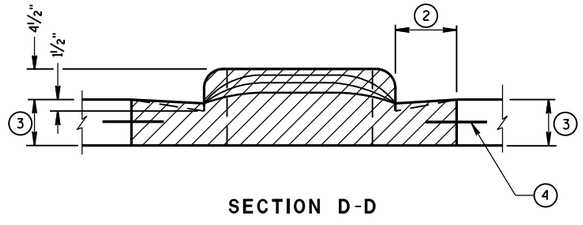


SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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S.D.D. 11 B 2-2

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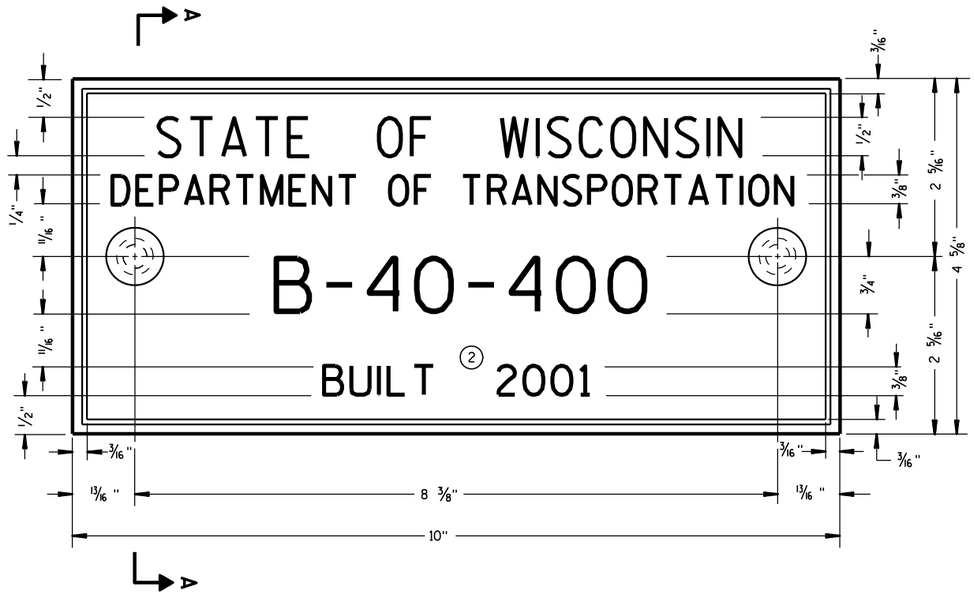
S.D.D. 11 B 2-2



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)

FOR MULTI-UNIT STRUCTURES
LINE 3 ABOVE SHALL READ

B = BRIDGE
C = CULVERT
R = RETAINING WALL

COUNTY NO.

BRIDGE NO.

UNIT NO. FOR MULTIPLE UNIT BRIDGE

B-40-400-1A

NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES

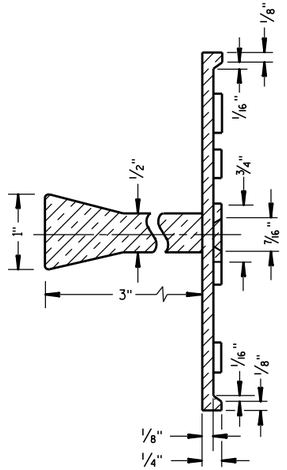
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

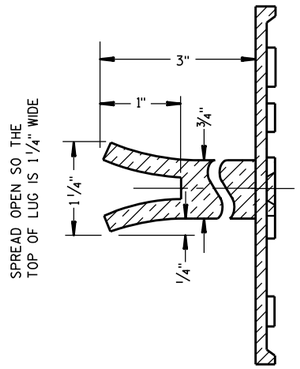
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

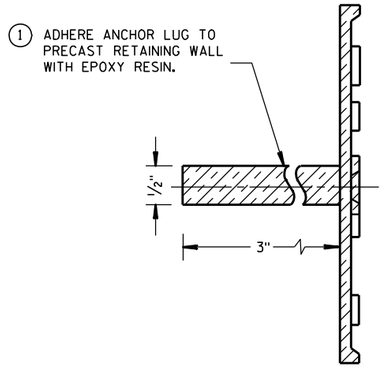
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/26/10 DATE

/S/ Scot Beck -- CHIEF STRUCTURAL DEVELOP 354 ENGINEER

FHWA

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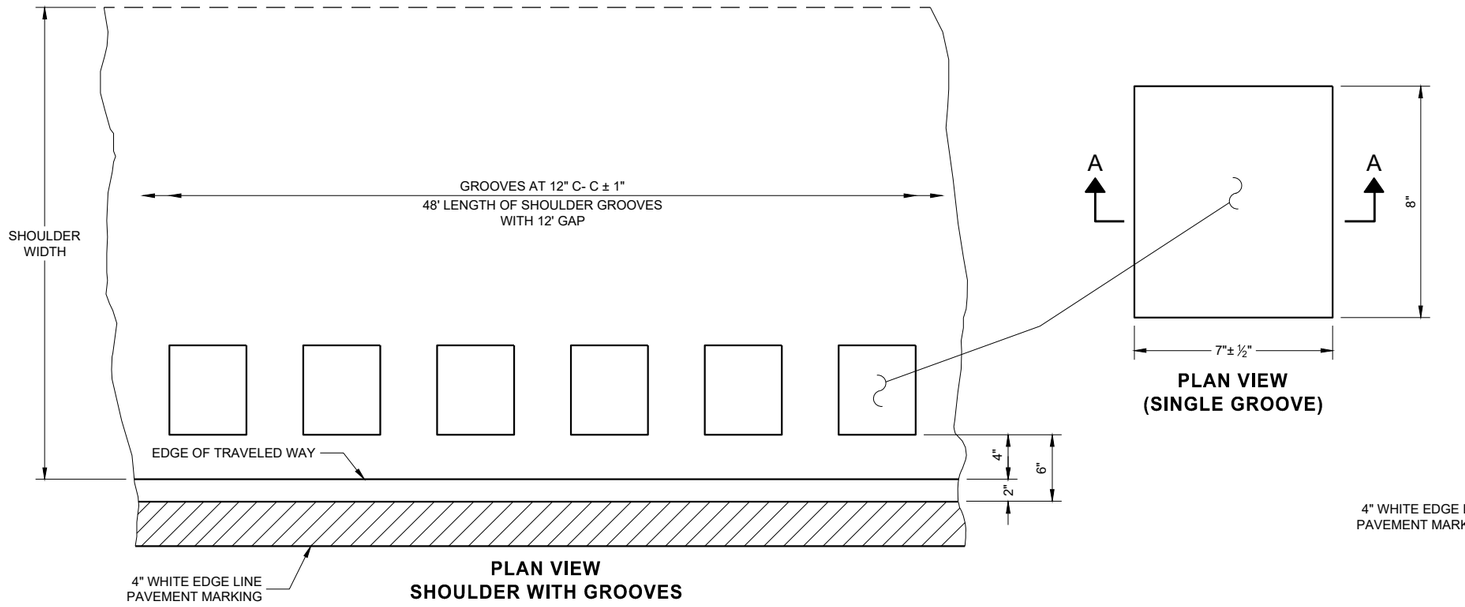
S.D.D. 12 A 3-10



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

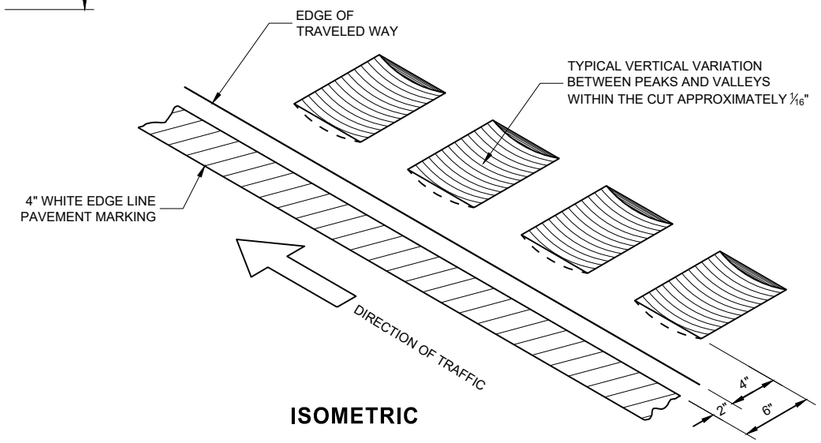
PLACEMENT DETAIL FOR TYPE 1 MILLED RUMBLE STRIP

GENERAL NOTES

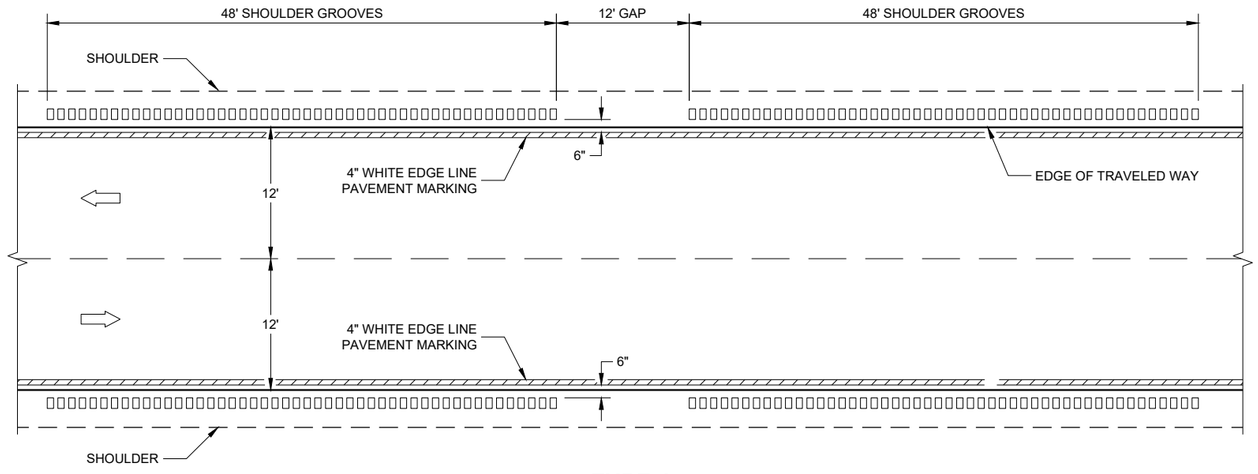
DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DO NOT MILL SHOULDER GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

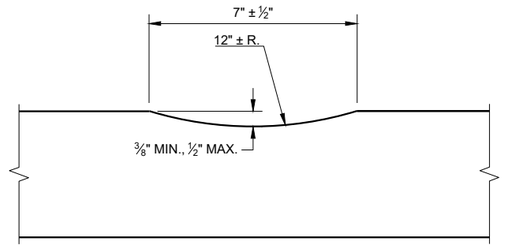
(1) SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.



ISOMETRIC



TYPE 1
2 - LANE SHOULDER RUMBLE STRIP



SECTION A - A

2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 13A10 - 02a

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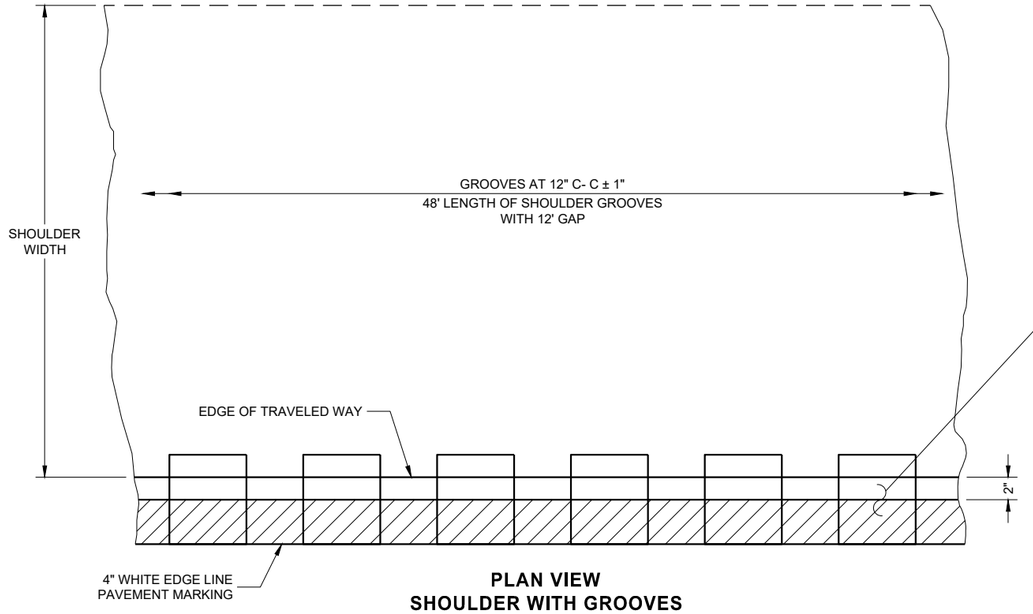
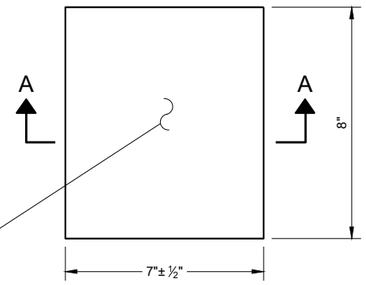
SDD 13A10 - 02a



PLAN VIEW
SHOULDER WITH GROOVES



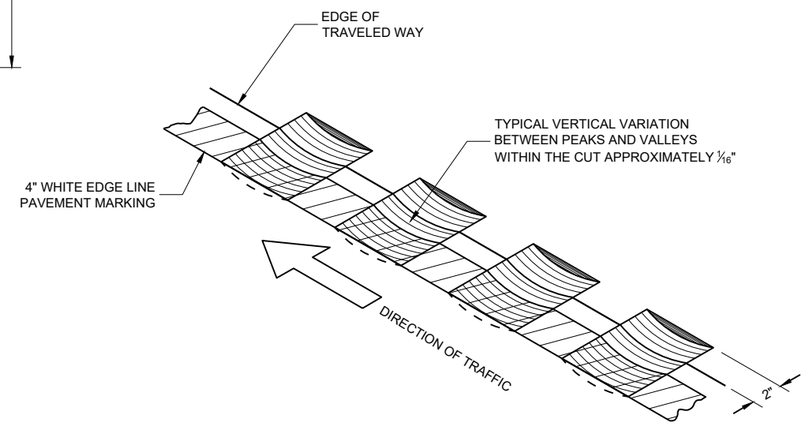
PLAN VIEW
(SINGLE GROOVE)

GENERAL NOTES

DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

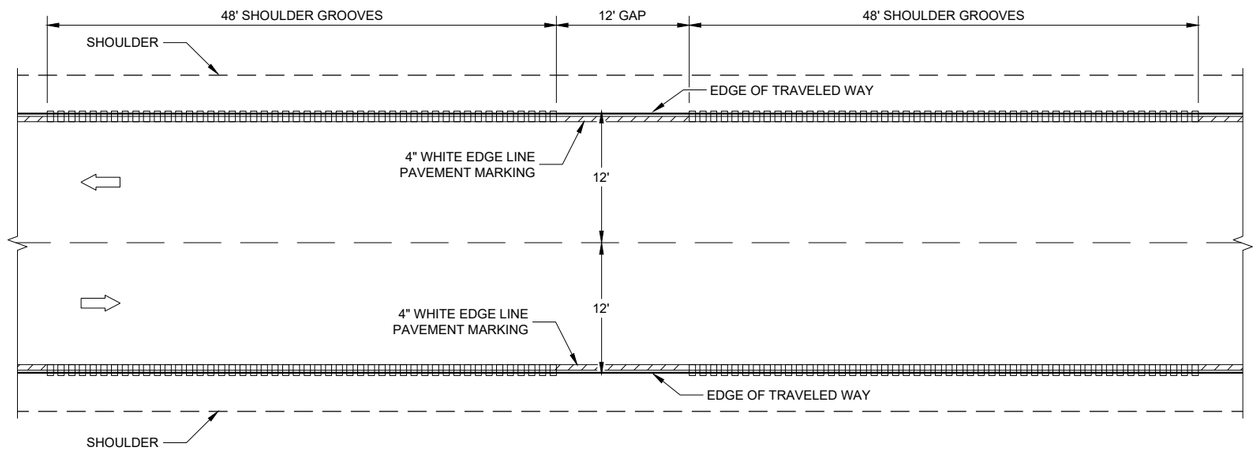
DO NOT MILL SHOULDER GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

(1) SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.

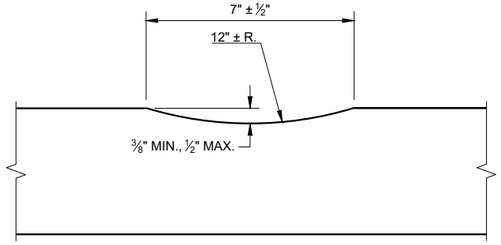


ISOMETRIC

PLACEMENT DETAIL FOR TYPE 2 MILLED RUMBLE STRIP



TYPE 2
2 - LANE SHOULDER RUMBLE STRIP



SECTION A - A

2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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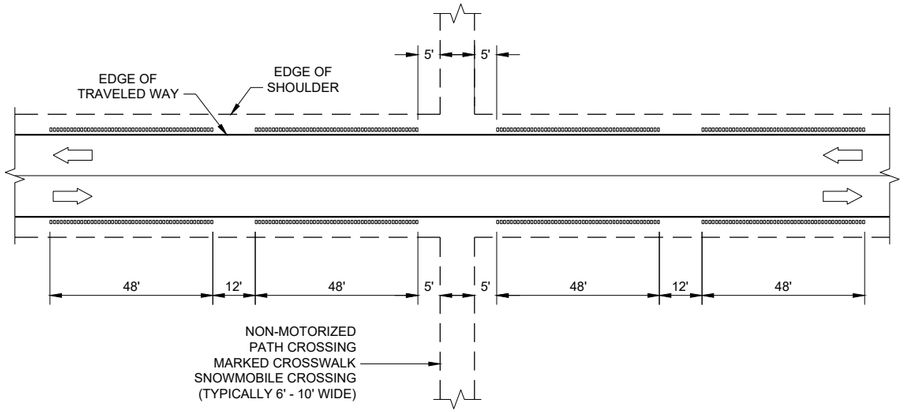
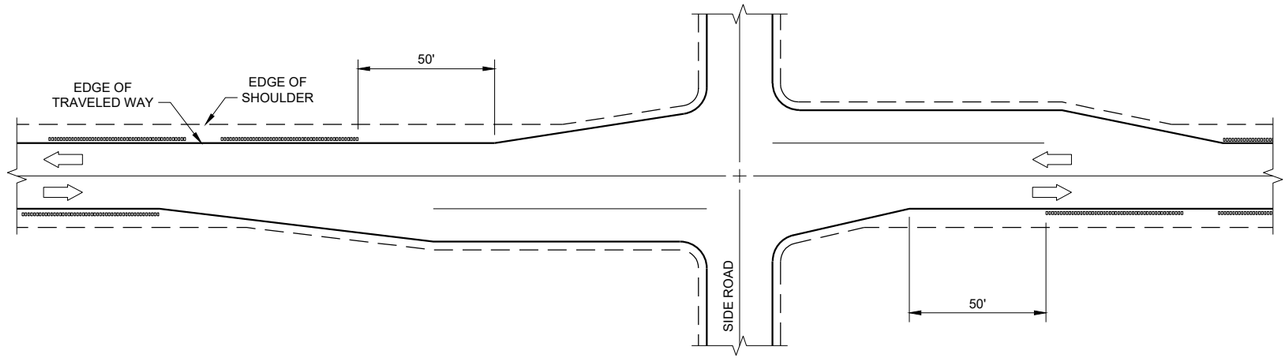
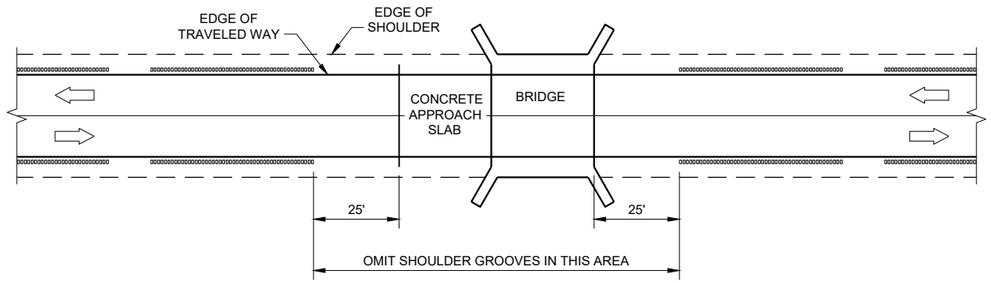
SDD13A10 - 02b



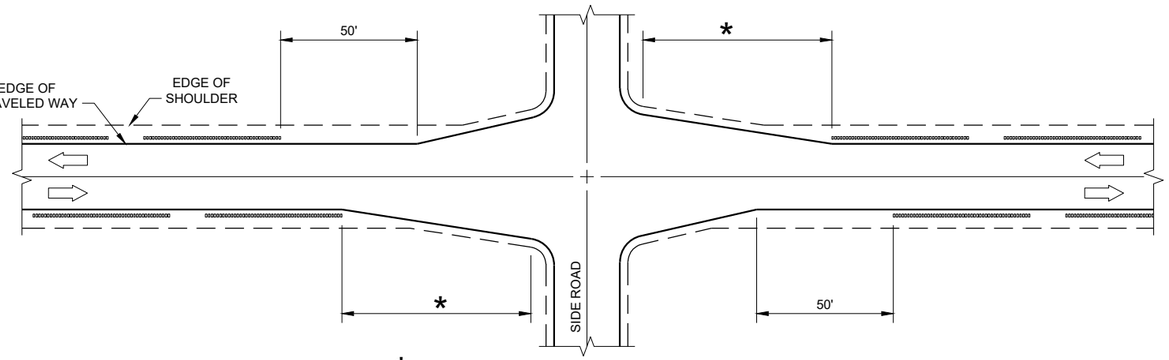
SHOULDER GROOVES AT MISCELLANEOUS CROSSINGS



SHOULDER GROOVES AT RIGHT TURN LANE

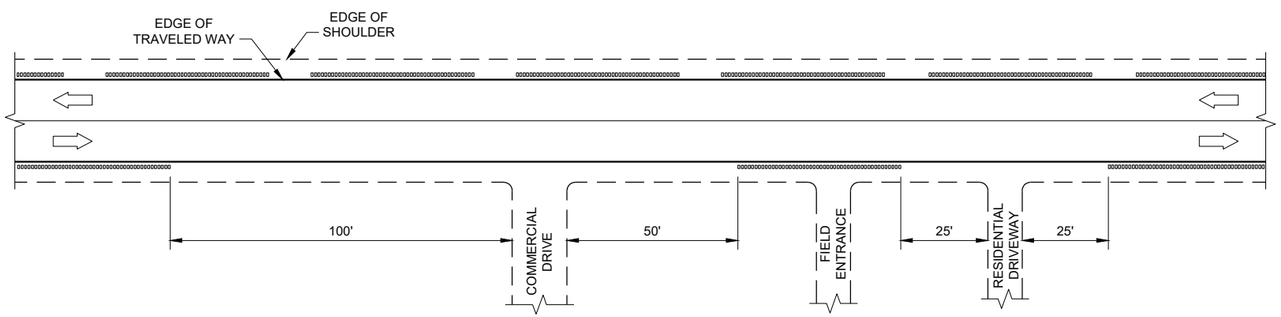


SHOULDER GROOVES AT BRIDGES



* GREATER OF 100' OR APPROACH TAPER LENGTH

SHOULDER GROOVES AT INTERSECTIONS WITH APPROACH TAPER



SHOULDER GROOVES AT DRIVEWAYS (1)

GENERAL NOTES

(1) SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.

2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

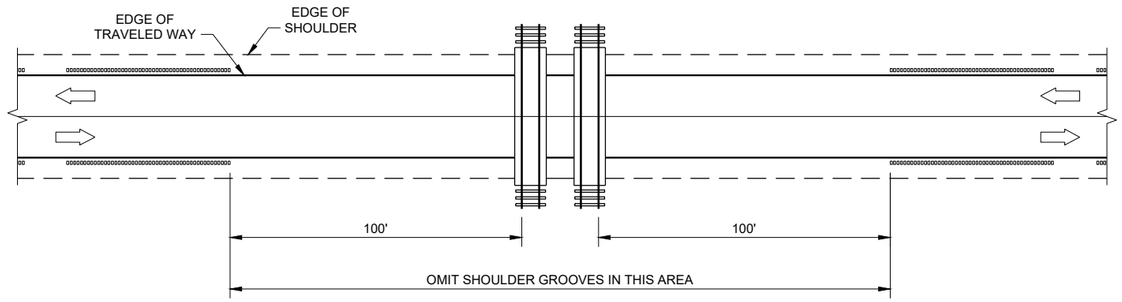
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

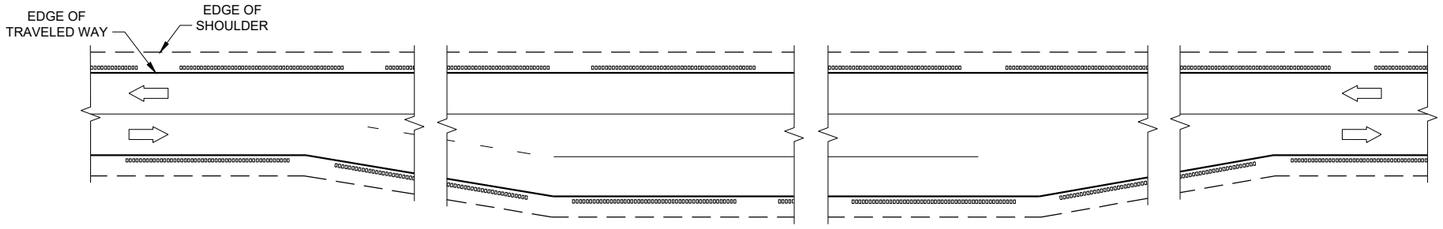
SDD 13A10 - 02c

6

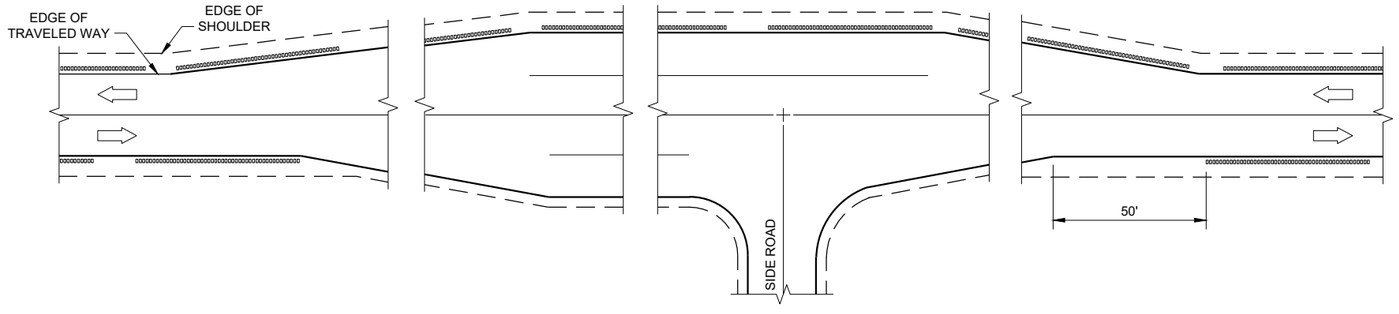
SDD 13A10 - 02c



SHOULDER GROOVES AT RAILROADS



SHOULDER GROOVES AT PASSING AND CLIMBING LANES



SHOULDER GROOVES AT BYPASS LANES

6

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SDD 13A10 - 02d

SDD13A10 - 02d

2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

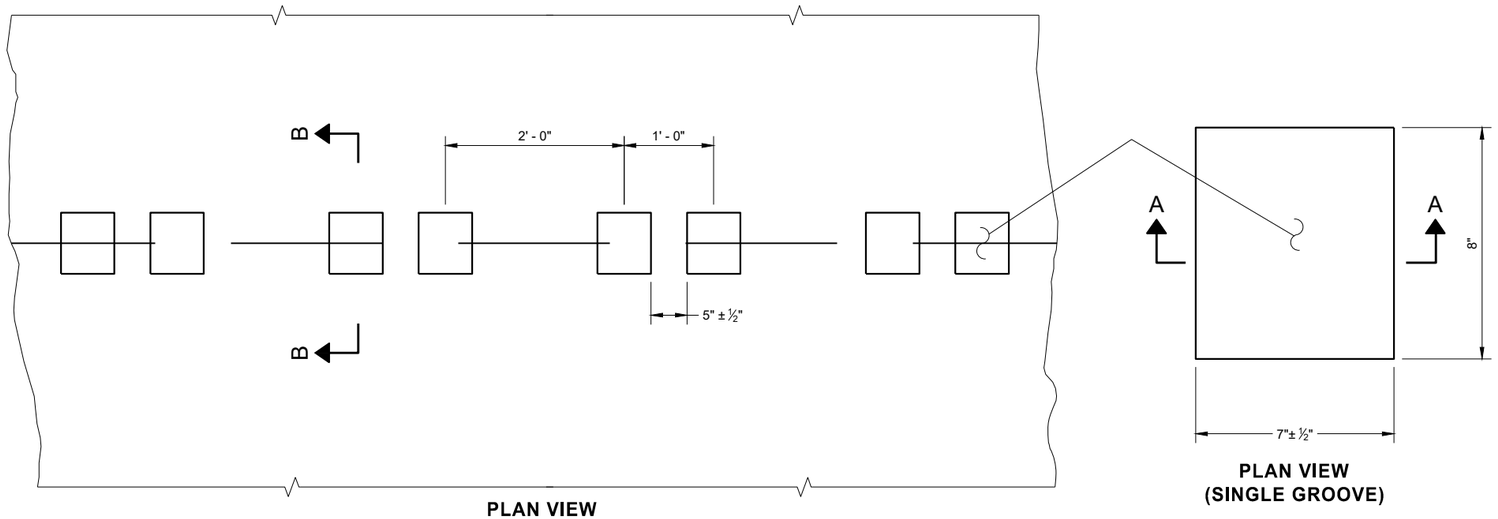
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR TYPE 1 MILLED RUMBLE STRIP

GENERAL NOTES

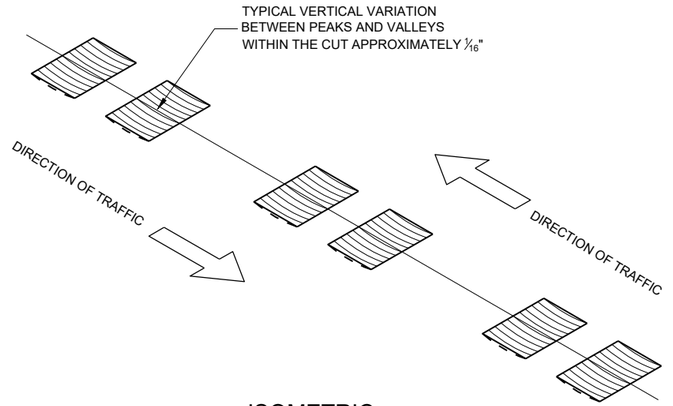
DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DO NOT MILL CENTERLINE GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

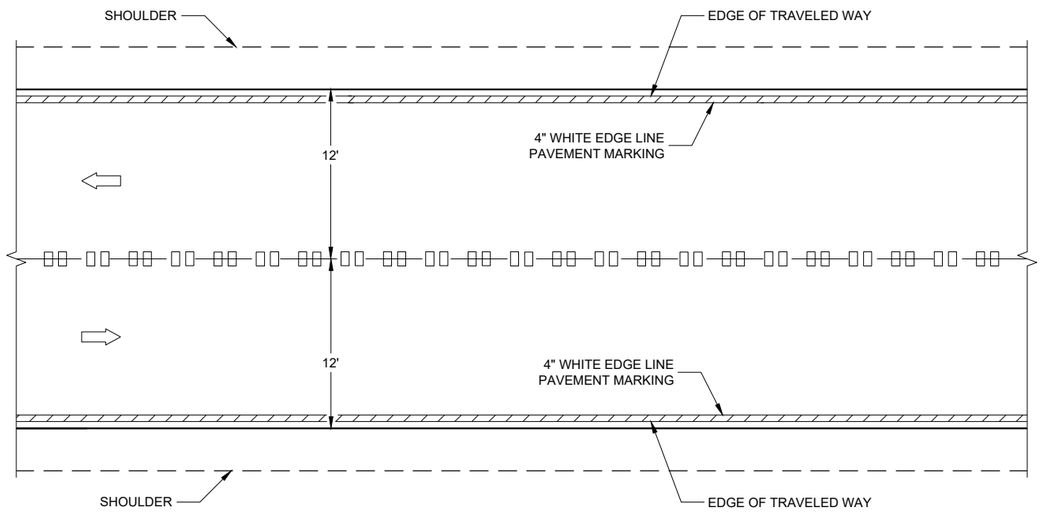
INSTALL PAVEMENT MARKING AFTER THE GROOVES ARE INSTALLED.

SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

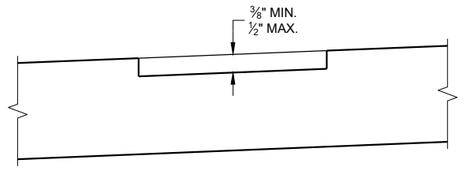
(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.



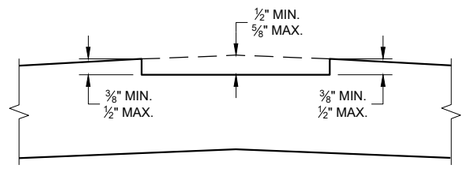
ISOMETRIC



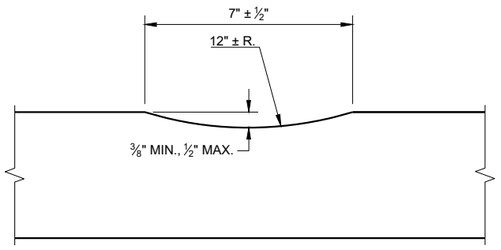
CENTERLINE GROOVES ON TWO-WAY ROADWAYS



SECTION B - B
SUPERELEVATED ROADWAY



SECTION B - B
CROWNED ROADWAY



SECTION A - A

6

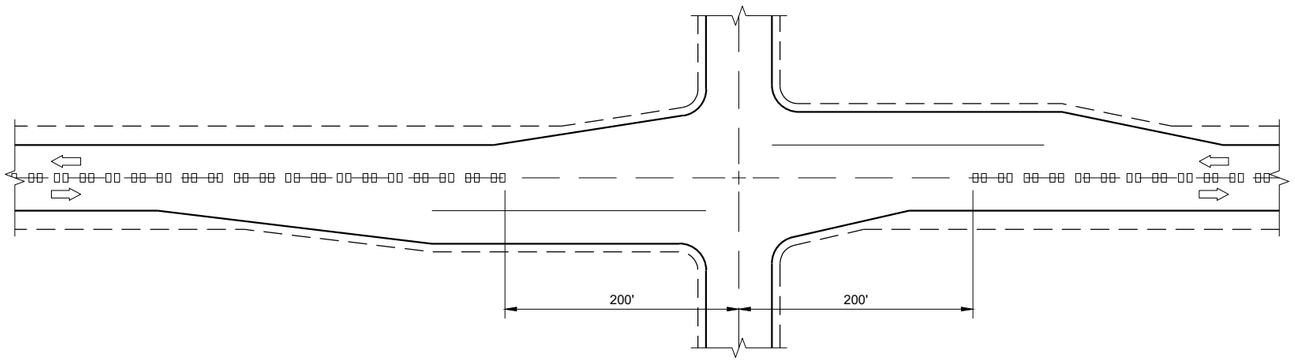
SDD 13A11 - 03a

2-LANE RURAL
CENTER LINE RUMBLE STRIP, MILLING

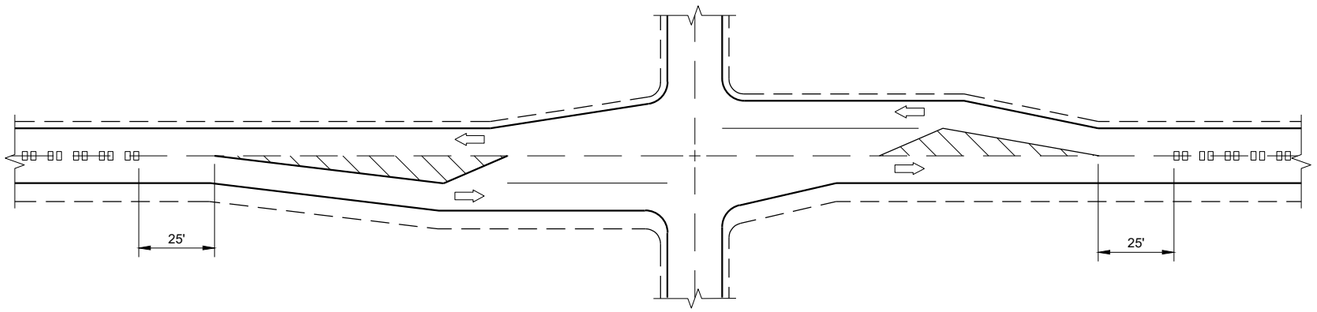
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

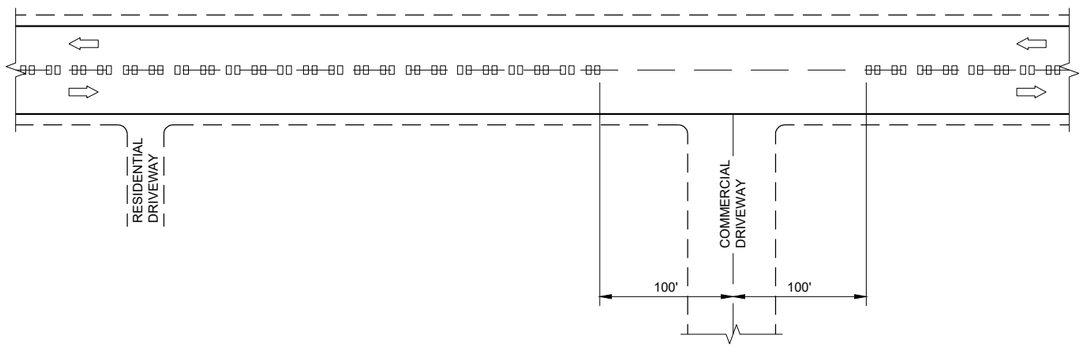
SDD 13A11 - 03a



CENTERLINE GROOVES AT INTERSECTIONS



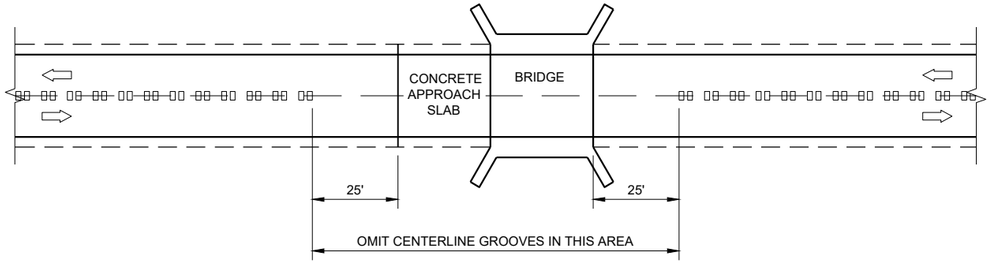
CENTERLINE GROOVES AT INTERSECTIONS (WITH LEFT TURN LANES)



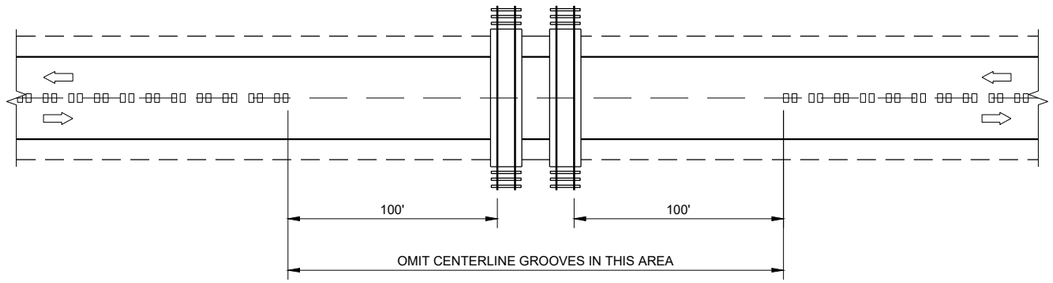
CENTERLINE GROOVES AT DRIVEWAYS (1)

GENERAL NOTES

(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.



CENTERLINE GROOVES AT BRIDGES



CENTERLINE GROOVES AT RAILROADS

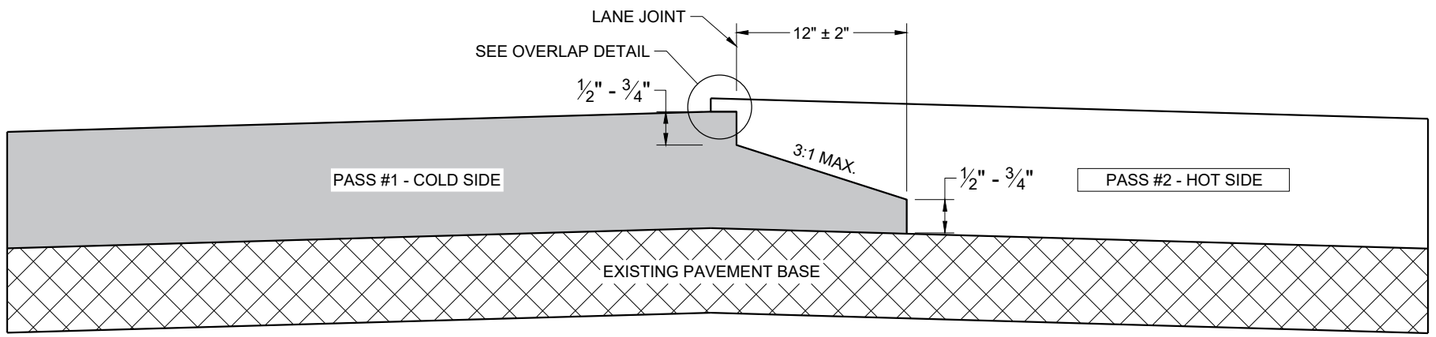
2-LANE RURAL CENTERLINE RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

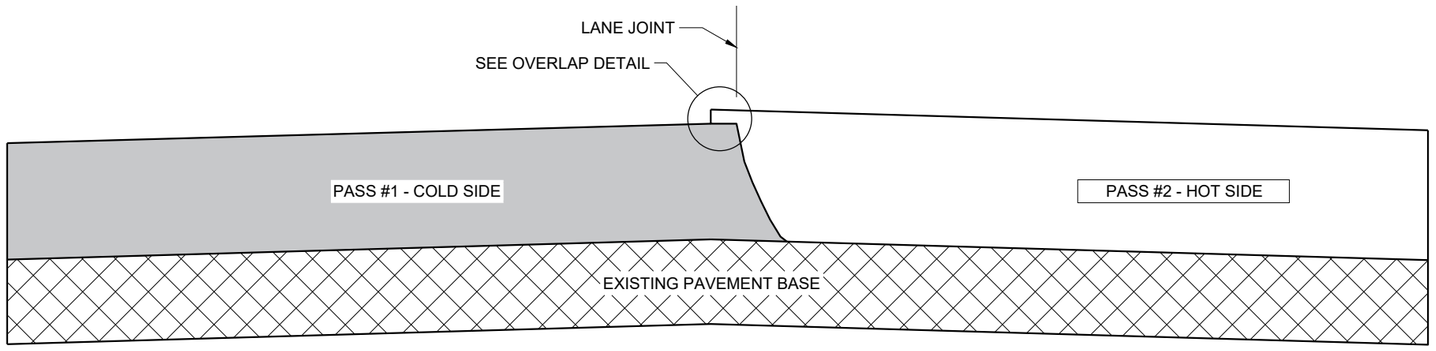
APPROVED
7/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

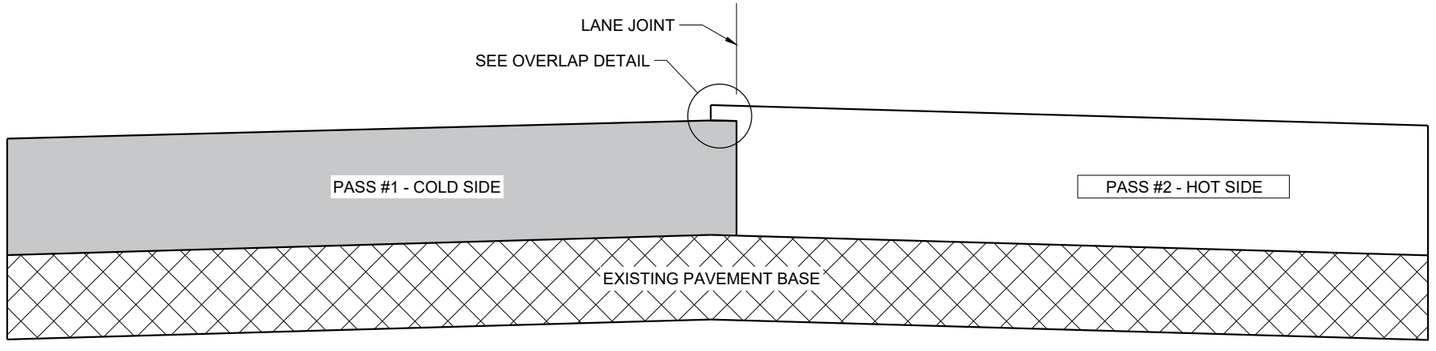
6
SDD 13A11 - 03b



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

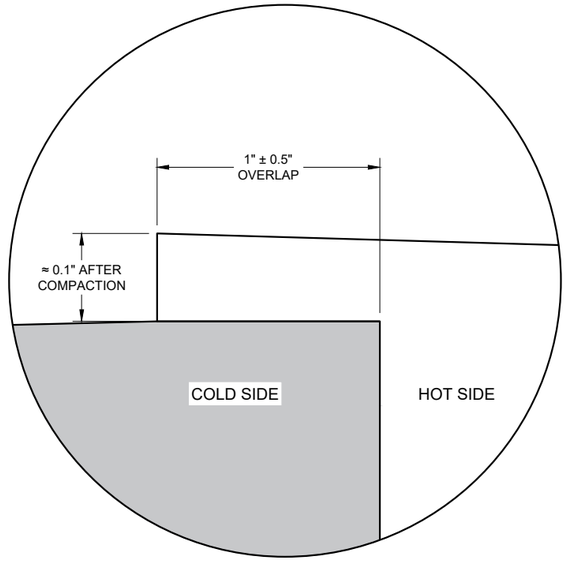
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

6

SDD 13C19 - 03

SDD 13C19 - 03

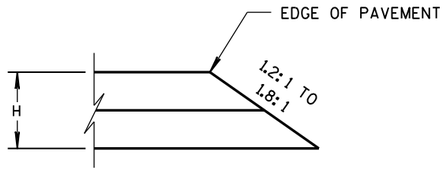
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

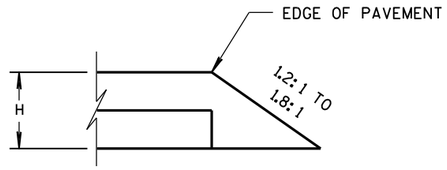
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



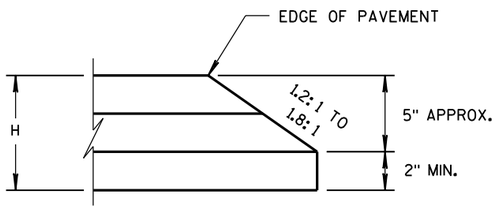
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



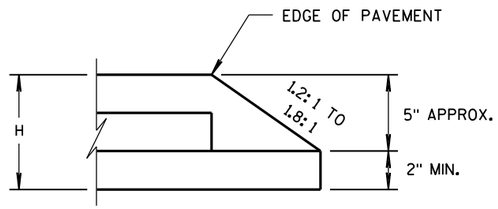
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

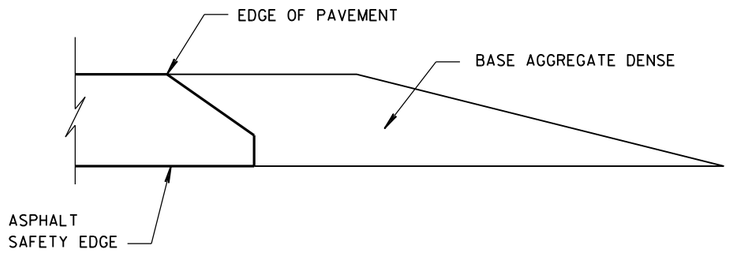
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

6

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S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/2012
DATE

/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

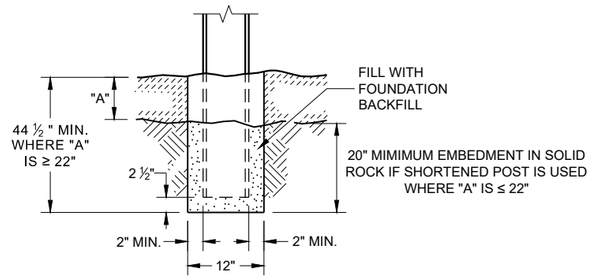
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

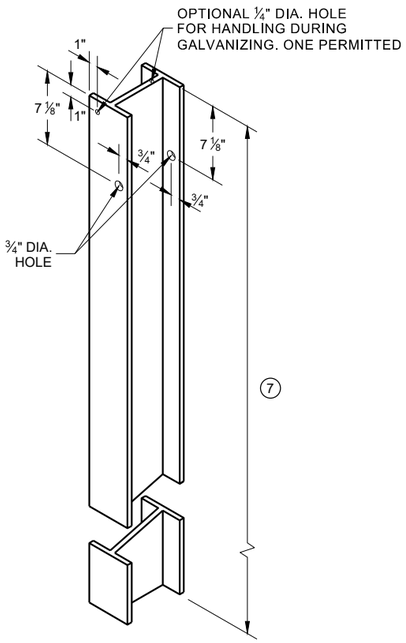
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

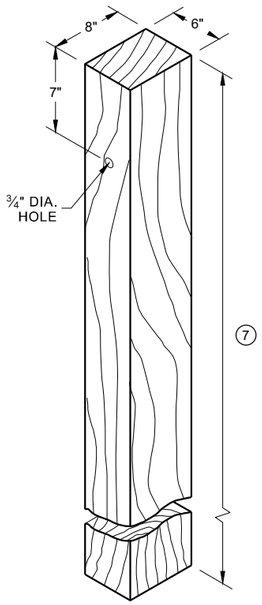
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



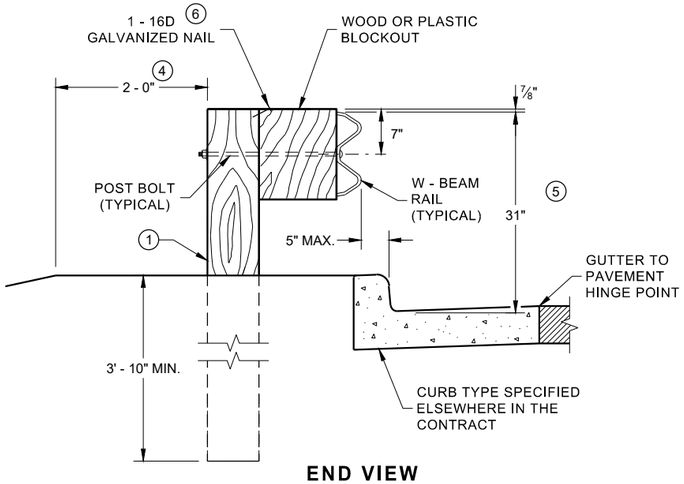
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



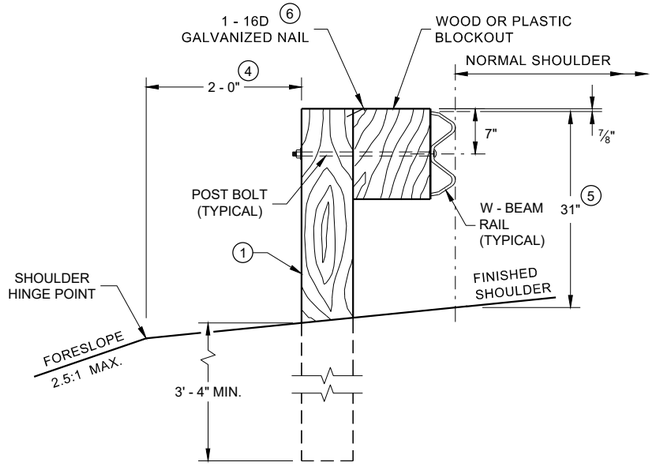
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



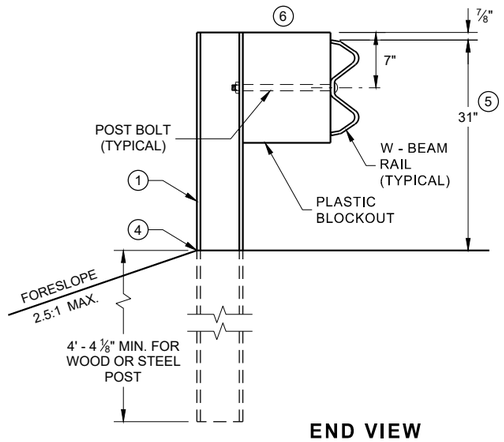
WOOD POST (6" X 8") NOMINAL (1)



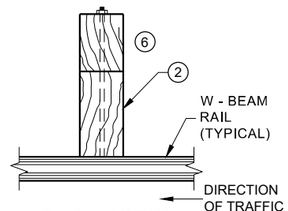
END VIEW
LOCATED ALONG A CURBED ROADWAY



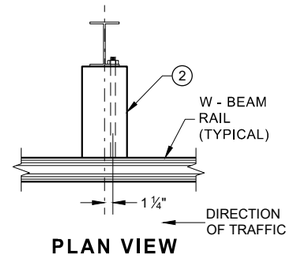
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



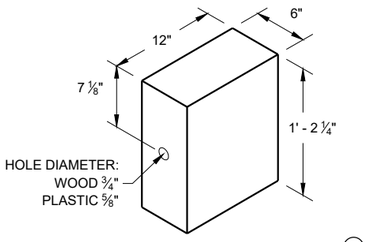
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

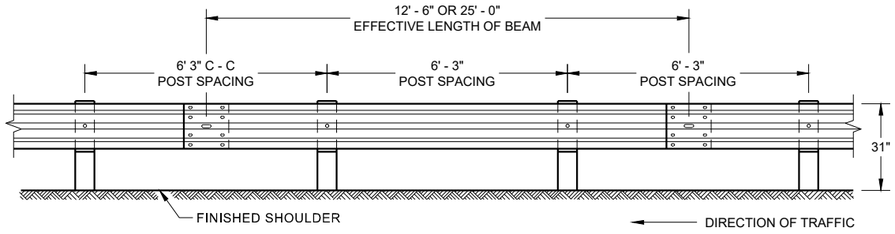
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

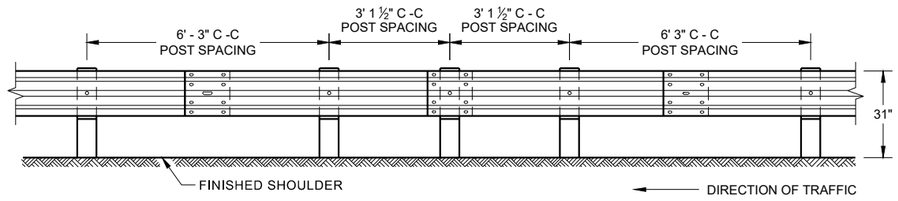
SDD 14B42 - 07a

6

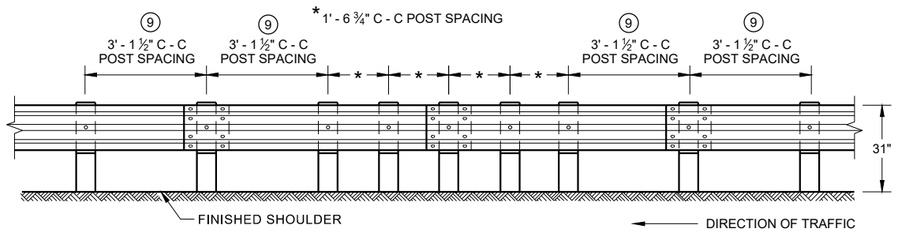
SDD 14B42 - 07a



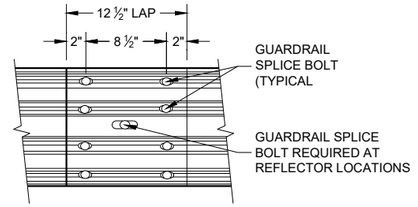
FRONT VIEW
POST SPACING STANDARD INSTALLATION



FRONT VIEW
HALF POST SPACING (HS) AND
HALF POST SPACING WITH LONGER POSTS (K)



FRONT VIEW
QUARTER POST SPACING (QS)



FRONT VIEW
MID-SPAN BEAM SPLICE

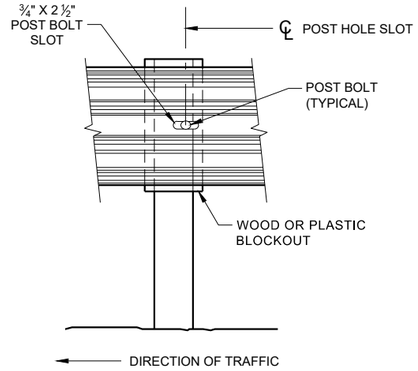
GENERAL NOTES

⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

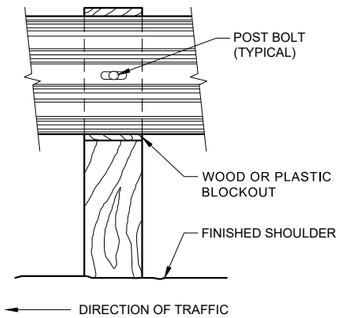
⑨ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

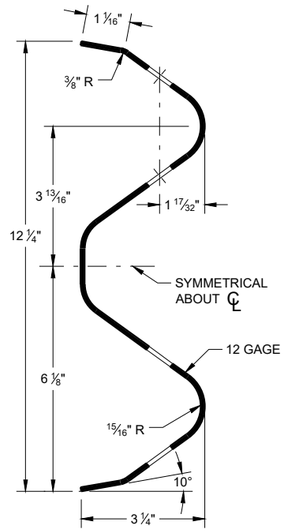
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



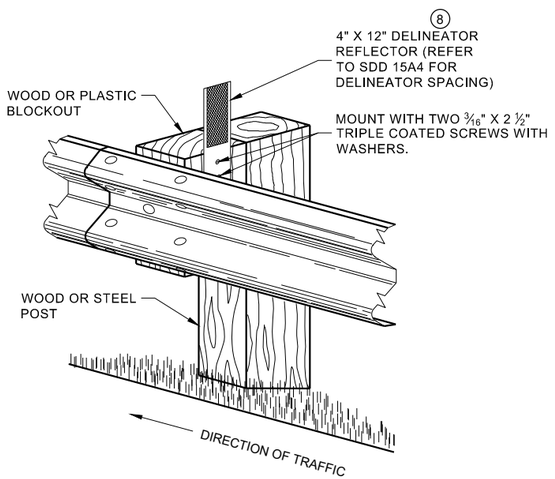
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



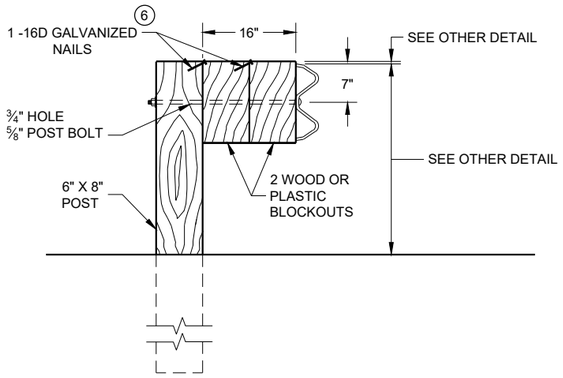
ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B42 - 07b

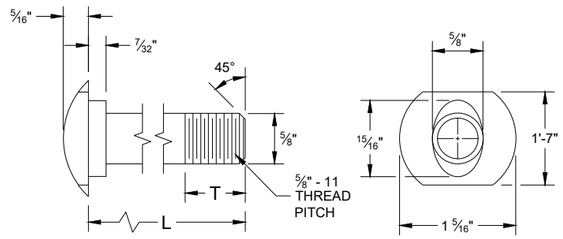


DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

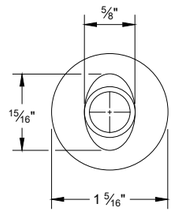
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3/16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

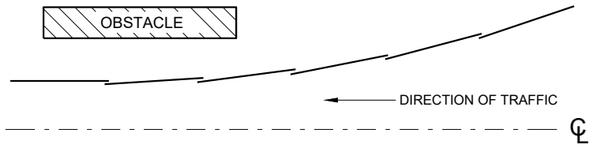


POST BOLT TABLE

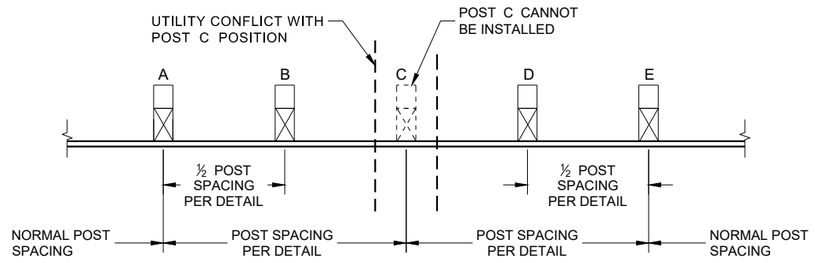
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"



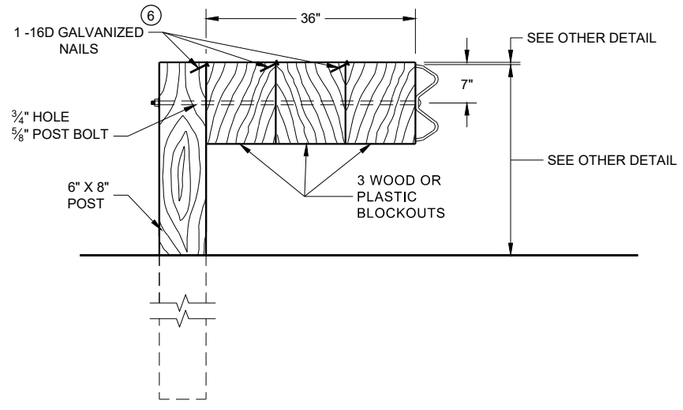
ALTERNATE BOLT HEAD



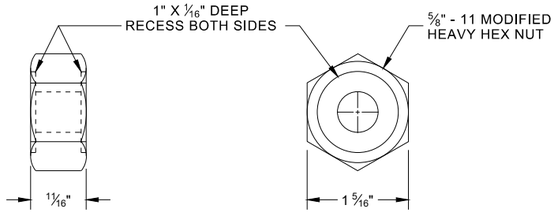
PLAN VIEW
BEAM LAPPING DETAIL



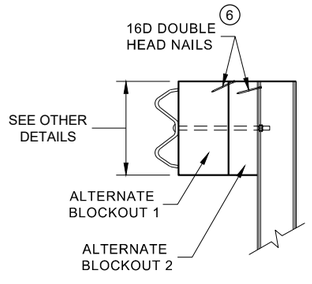
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



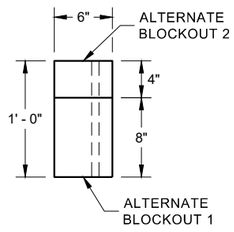
DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW



PLAN VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

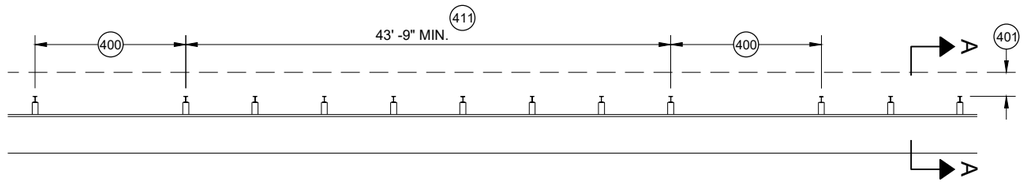
(6) WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

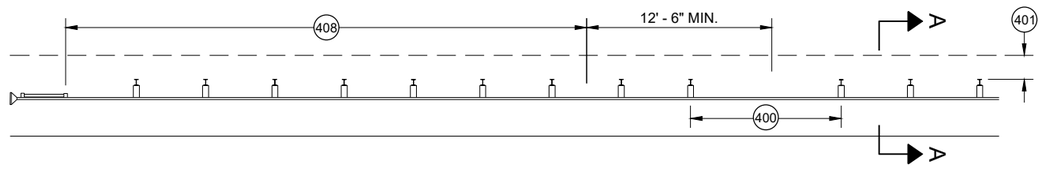
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

6

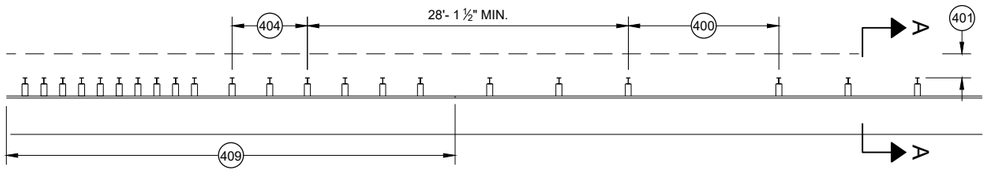
SDD 14B42 - 07c



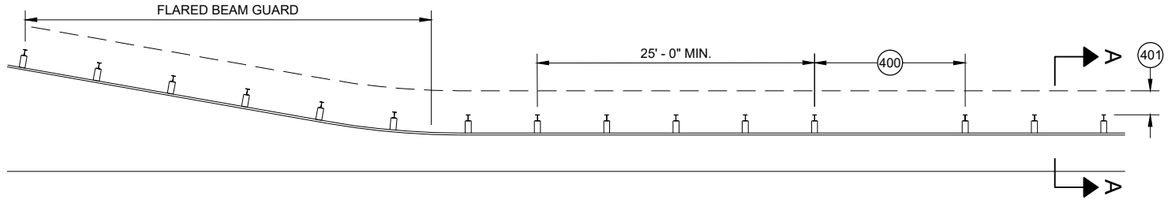
MISSING POST IN MGS GUARDRAIL



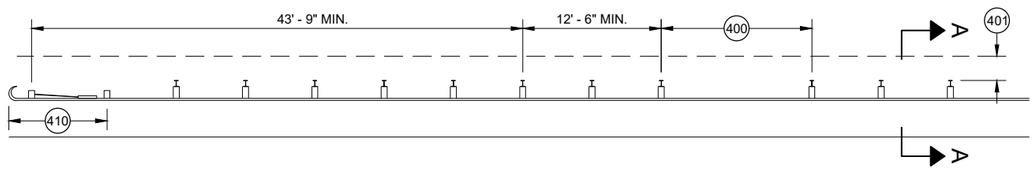
MISSING POST IN MGS GUARDRAIL NEAR EAT



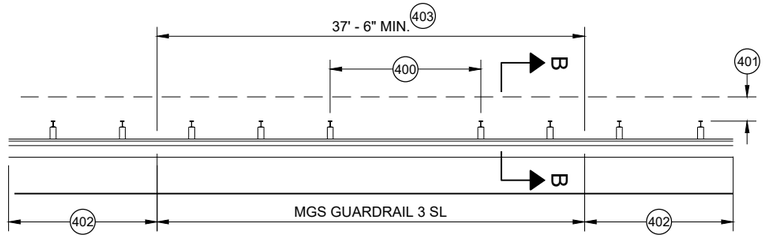
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

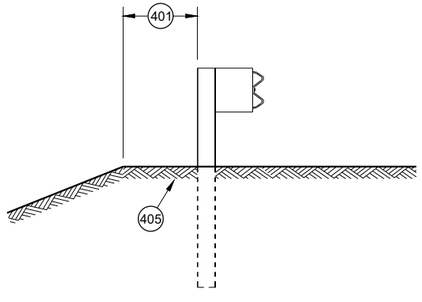


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

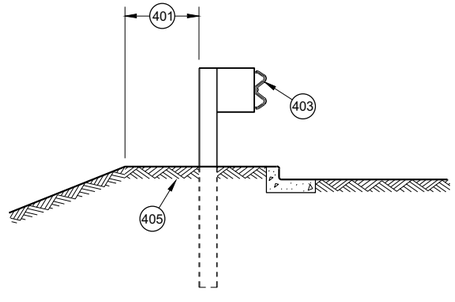


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

(400) MAX SPAN 12' - 6"
(401) 2' MIN.
(402) MGS GUARDRAIL 3
(403) NESTING BEAM GUARD
(404) ASYMMETRIC TRANSITION
(405) SOIL WELL DRAINED AND COMPACTED
(406) SEE OTHER DRAWINGS IN THIS SDD
(407) SEE OTHER DRAWINGS FOR MIN. SPACING BETWEEN SPANS
(408) SEE SDD 14B44
(409) SEE SDD 14B45
(410) SEE SDD 14B47
(411) MINIMUM DISTANCE BETWEEN MISSING POST SPANS.



SECTION A - A 406



SECTION B - B 406

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

6

SDD 14B42 - 07d

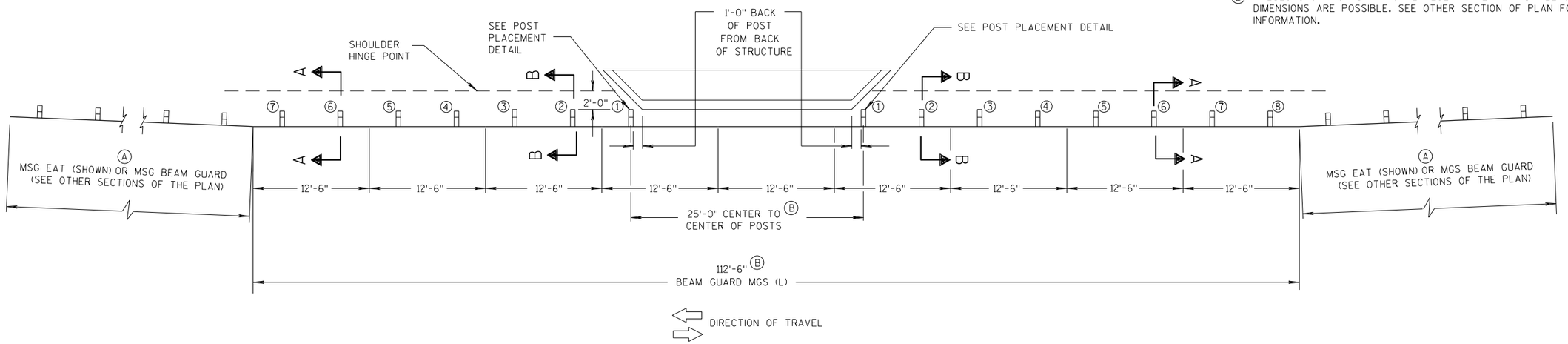
GENERAL NOTES

POSTS 1 THROUGH 3 ARE CRT POSTS.
ALL OTHER POSTS SHALL BE WOOD OR STEEL.

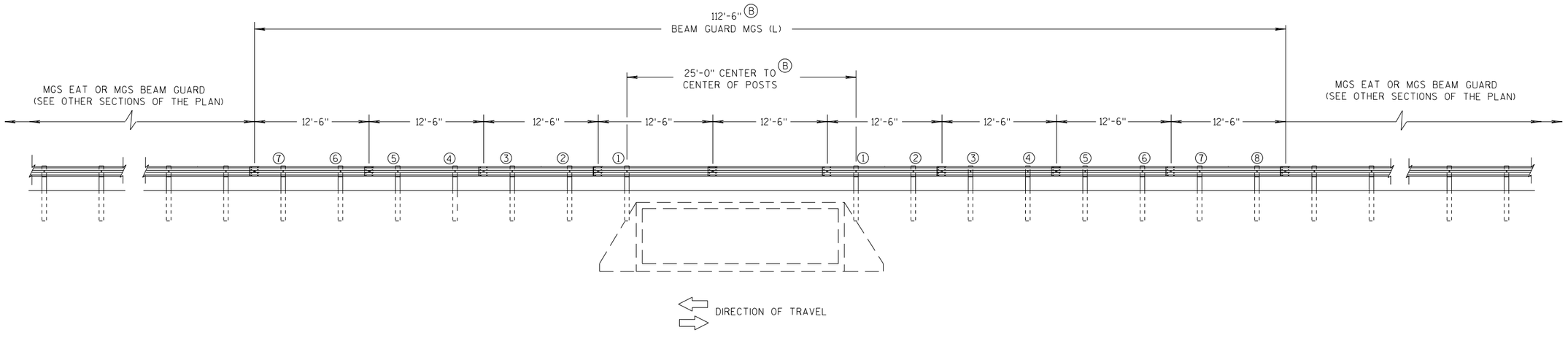
SEE SDD 14 B 42 FOR MORE DETAILS.

(A) FLARE FOR MGS EAT SHOWN. IF INSTALLING MGS NO FLARE NEEDED.

(B) VALUES SHOWN ON DRAWING REPRESENT THE MAXIMUM LENGTH. SHORTER DIMENSIONS ARE POSSIBLE. SEE OTHER SECTION OF PLAN FOR MORE INFORMATION.



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) TWO-WAY TRAFFIC

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 14 B 43-4a

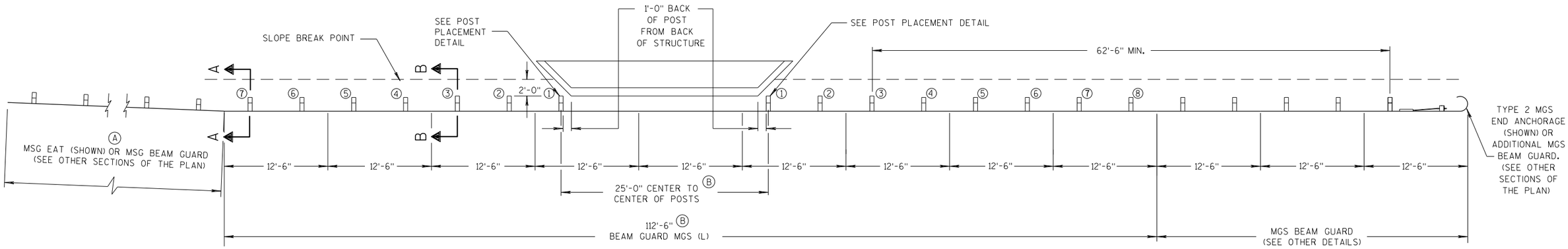
GENERAL NOTES

POSTS 1 THROUGH 3 ARE CRT POSTS.
ALL OTHER POSTS SHALL BE WOOD OR STEEL.

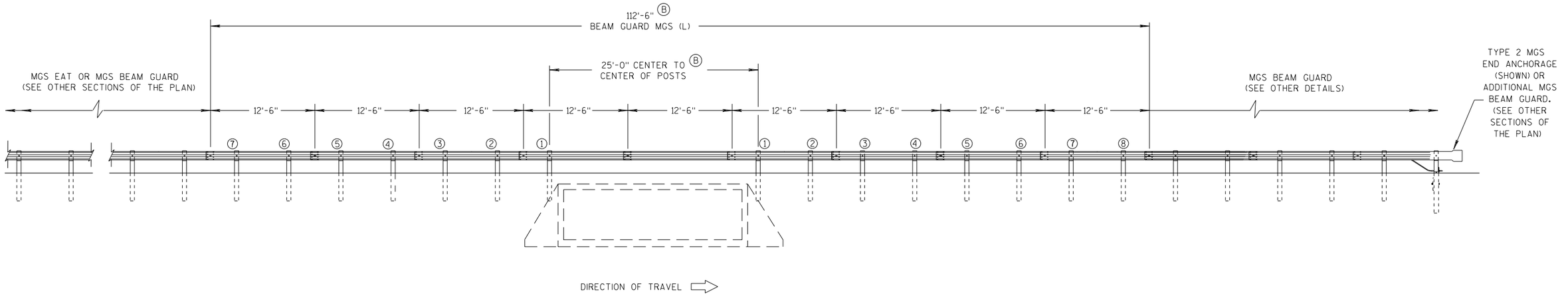
SEE SDD 14 B 42 FOR MORE DETAILS.

(A) FLARE FOR MGS EAT SHOWN. IF INSTALLING MGS NO FLARE NEEDED.

(B) VALUES SHOWN ON DRAWING REPRESENT THE MAXIMUM LENGTH. SHORTER DIMENSIONS ARE POSSIBLE. SEE OTHER SECTION OF PLAN FOR MORE INFORMATION.



PLAN VIEW



ELEVATION VIEW

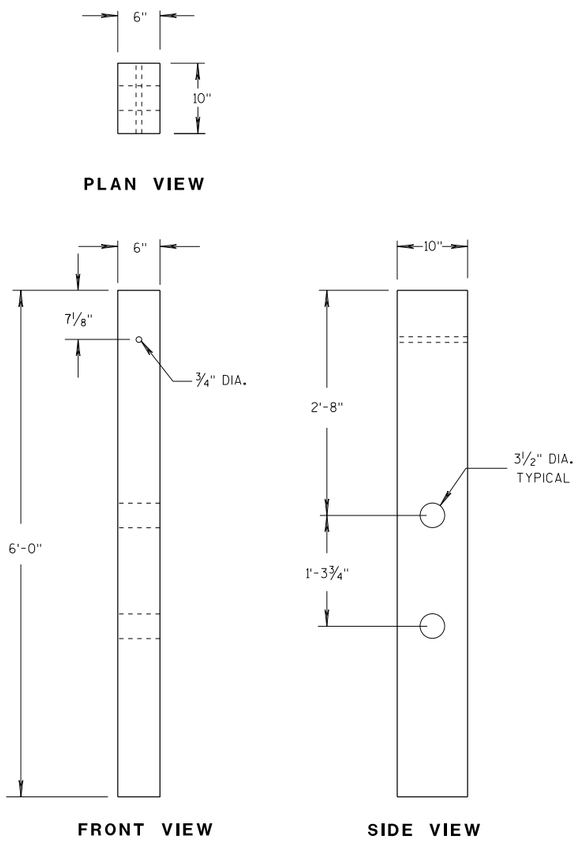
MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) ONE-WAY TRAFFIC

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)

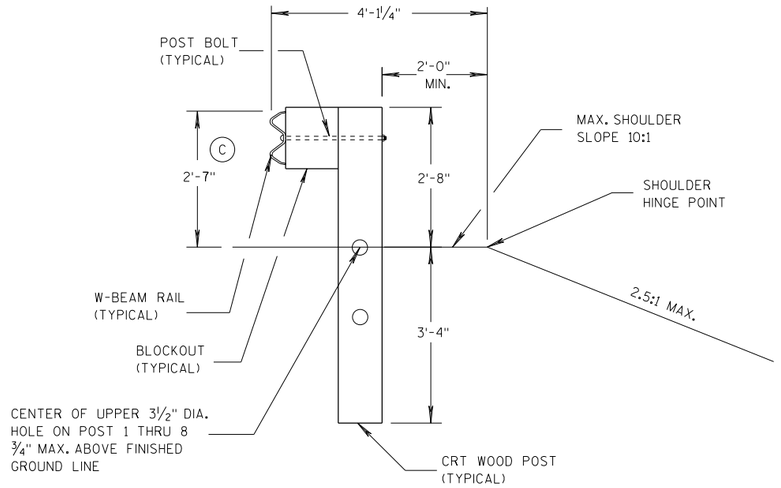
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 14 B 43-4b



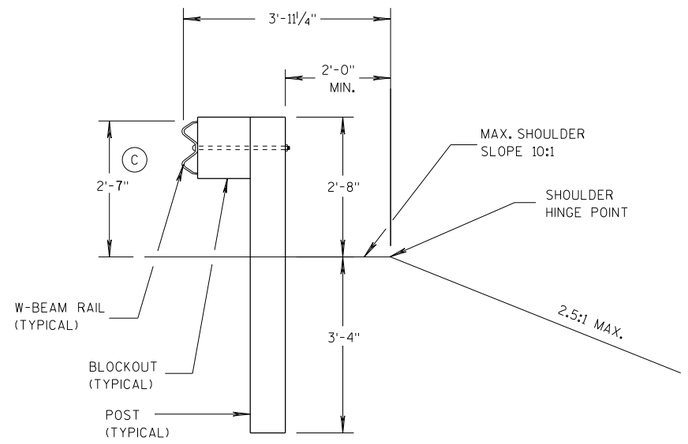
CRT WOOD POST



SECTION B-B

POSTS NO. 1-3

SEE OTHER DETAILS



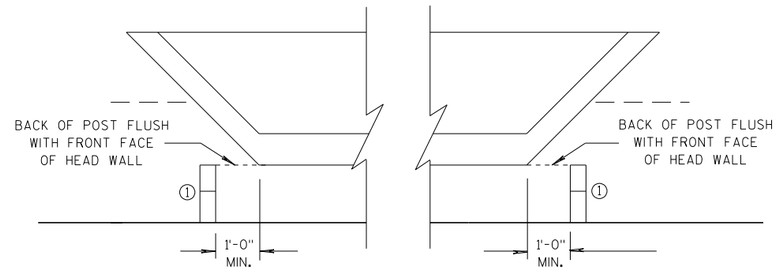
SECTION A-A

POSTS NO. 4-8

SEE OTHER DETAILS

GENERAL NOTES

(C) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".



POST PLACEMENT DETAIL

MIDWEST GUARDRAIL SYSTEM
LONG SPAN MGS (L)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

S.D.D. 14 B 43-4c

6

S.D.D. 14 B 43-4c

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

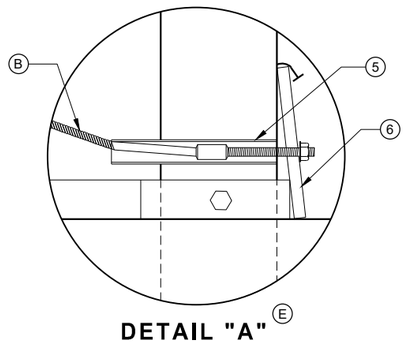
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

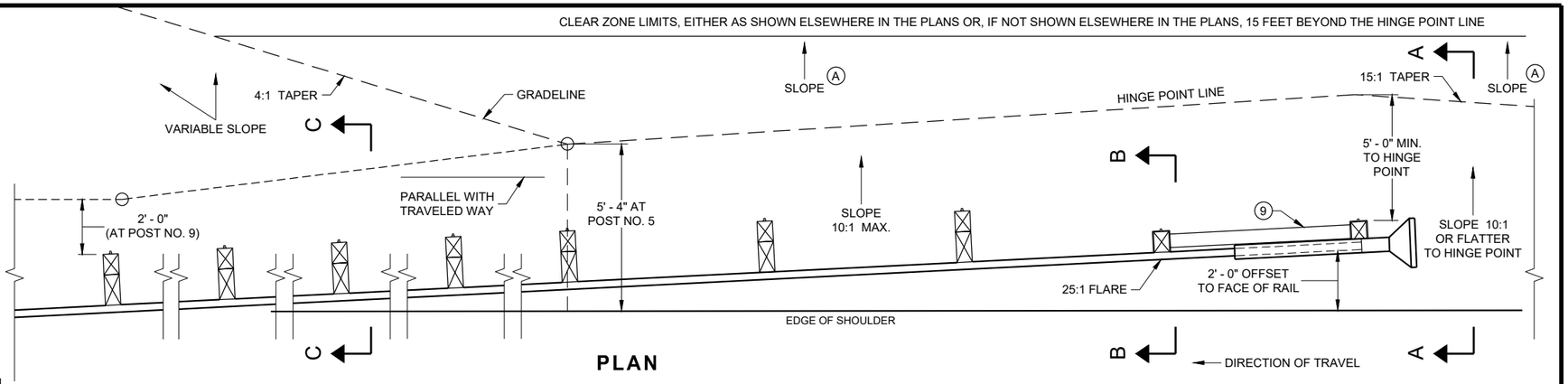
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

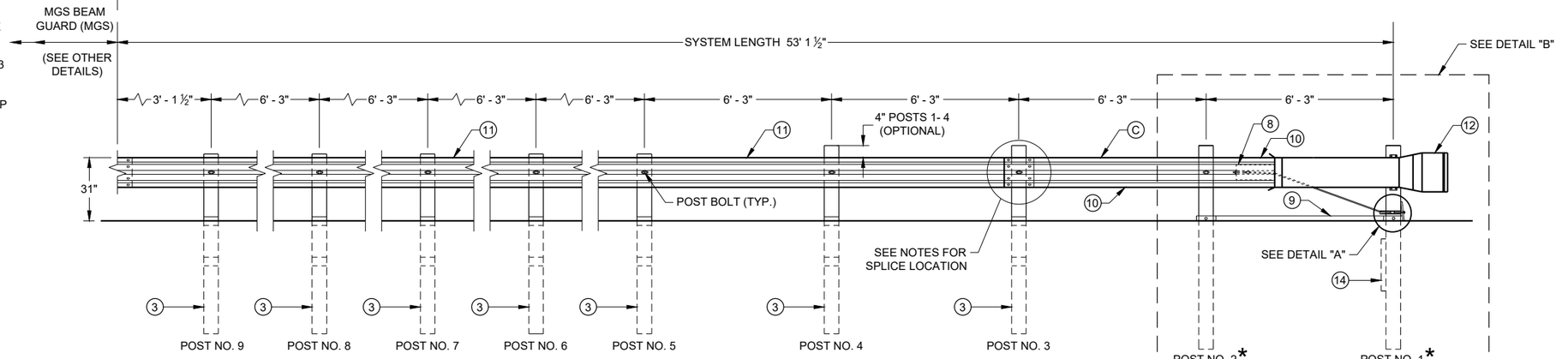
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.



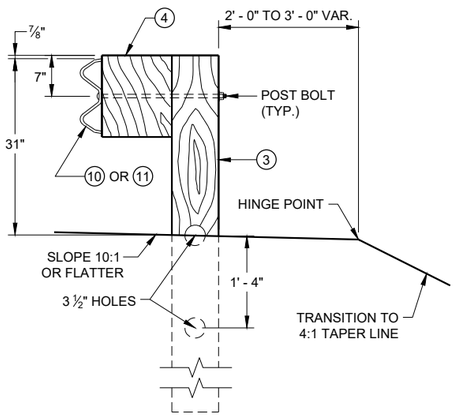
DETAIL "A" (E)



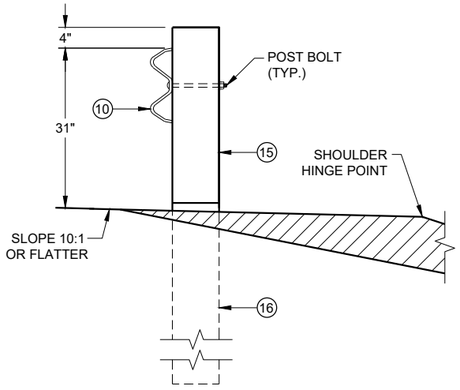
PLAN



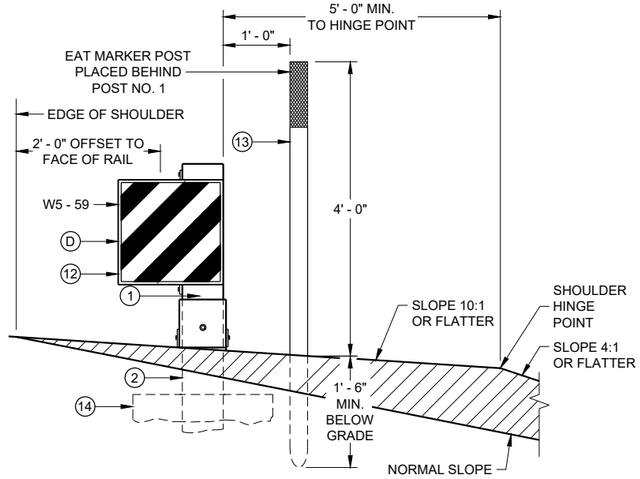
ELEVATION



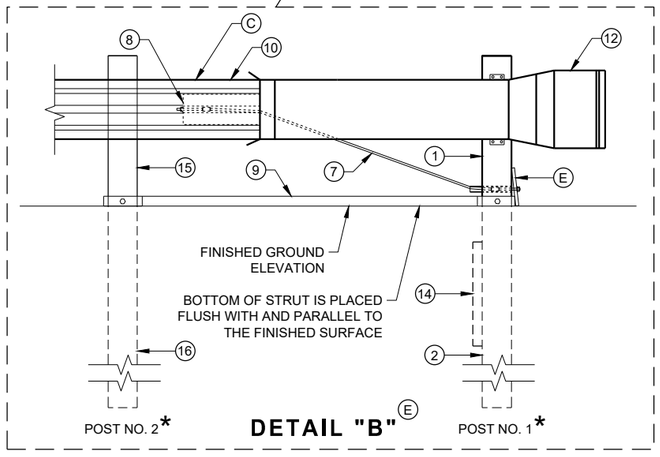
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



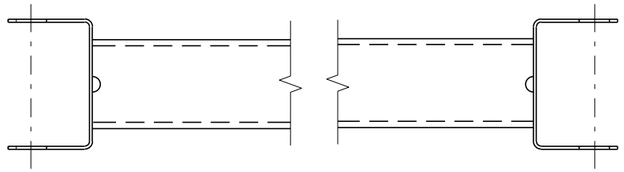
DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

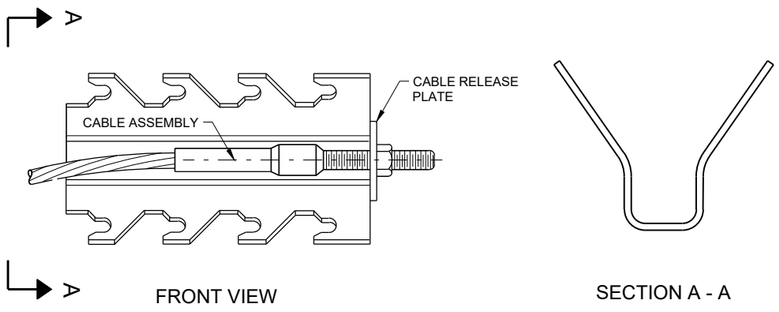
SDD 14B44 - 04a



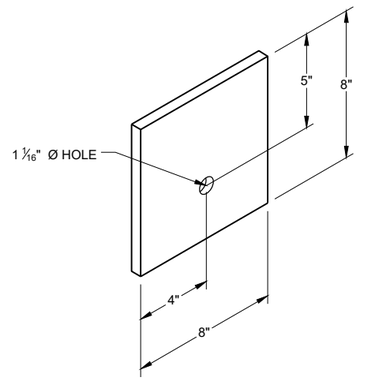
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
①	UPPER POST NO. 1 6" X 6" TUBE
②	LOWER POST NO. 1
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	IMPACT HEAD
⑬	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
⑭	SOIL PLATE
⑮	UPPER POST NO. 2
⑯	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX ⑨ Ⓔ



BEARING PLATE ⑥ Ⓔ

6

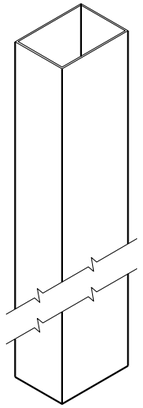
6

SDD 14B44 - 04b

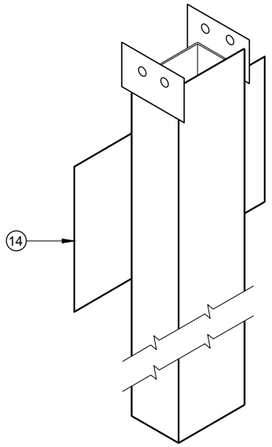
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

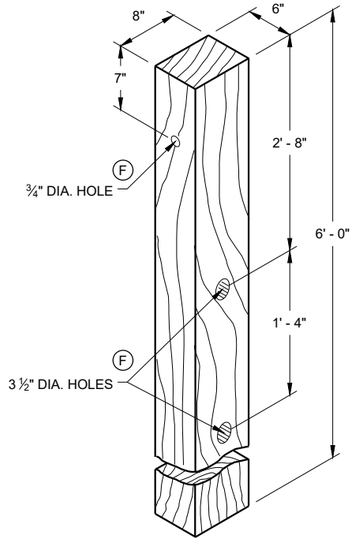
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



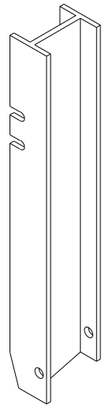
UPPER POST NO. 1 (1) (E)



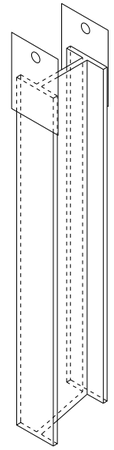
LOWER POST NO. 1 (2) (E)



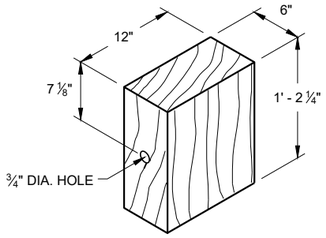
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



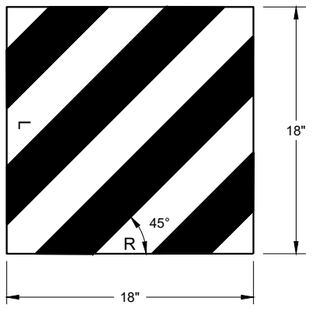
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

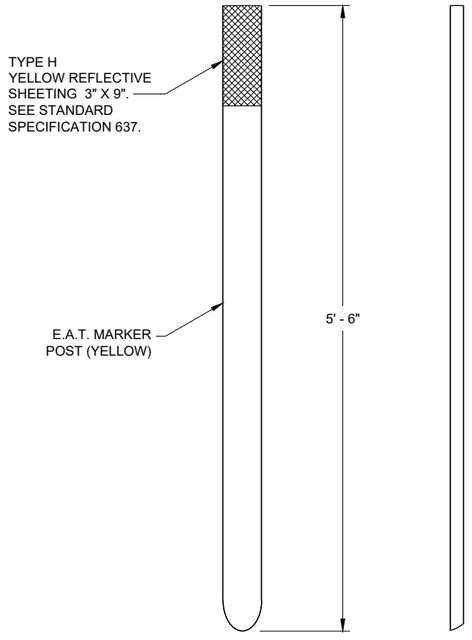


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



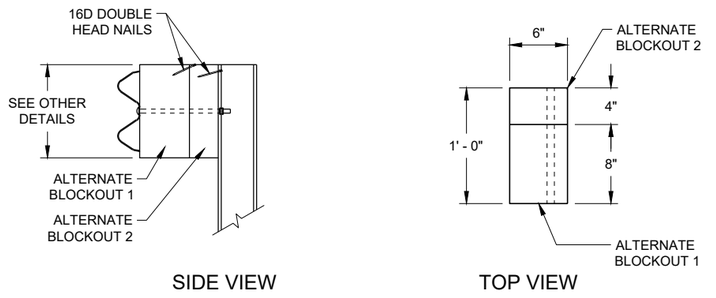
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

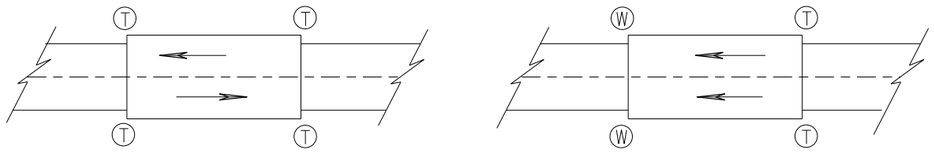
MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE UNIT SUPERVISOR
FHWA

6

SDD 14B44 - 04c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

(T) THRIE BEAM CONNECTION

(W) W-BEAM CONNECTION WHEN REQUIRED

TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE

GENERAL NOTES

IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2½", AND 12" DIAMETER AROUND POST. SEE 14B42 FOR MORE DETAILS.

TRANSITION USES STEEL POSTS ONLY.

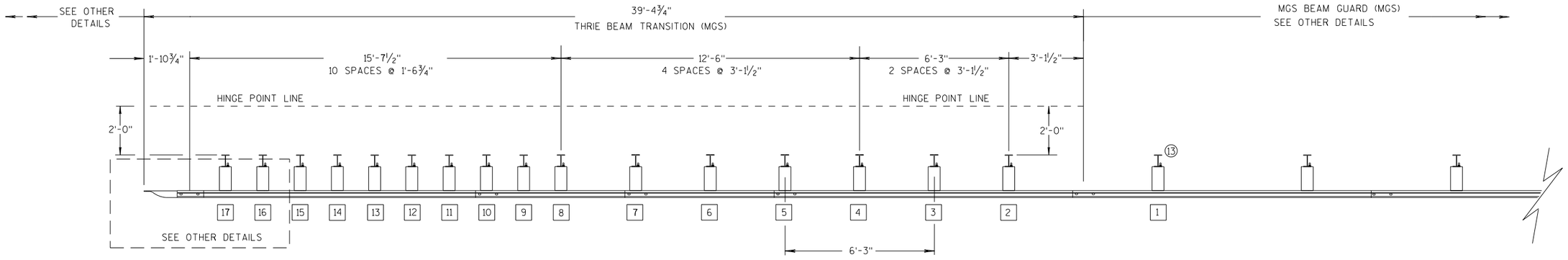
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

POST 2 THROUGH 17 USES STEEL POST ONLY

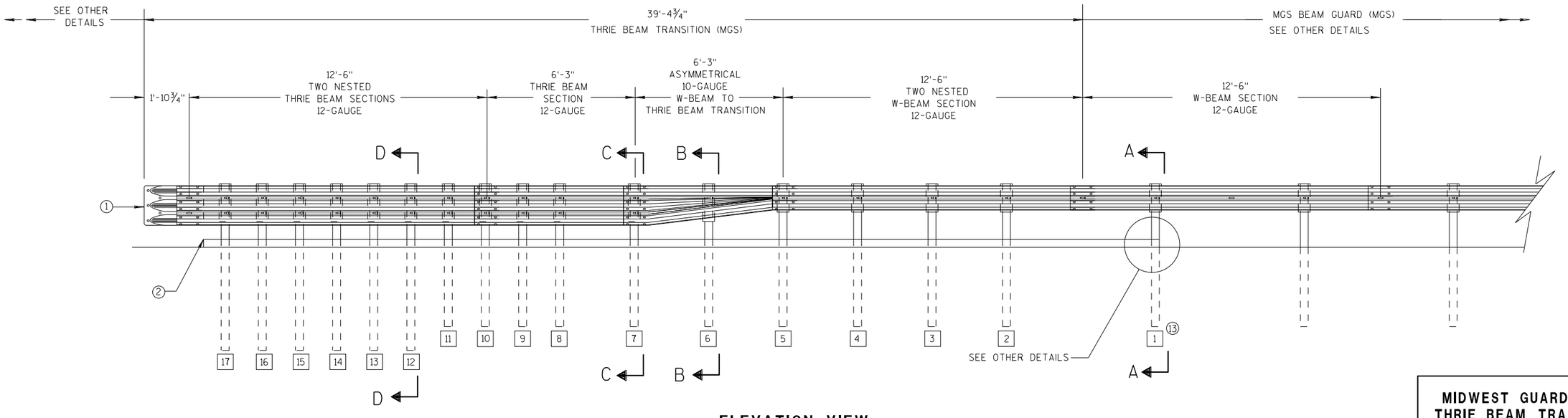
(1) BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD14B42



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 45-5a

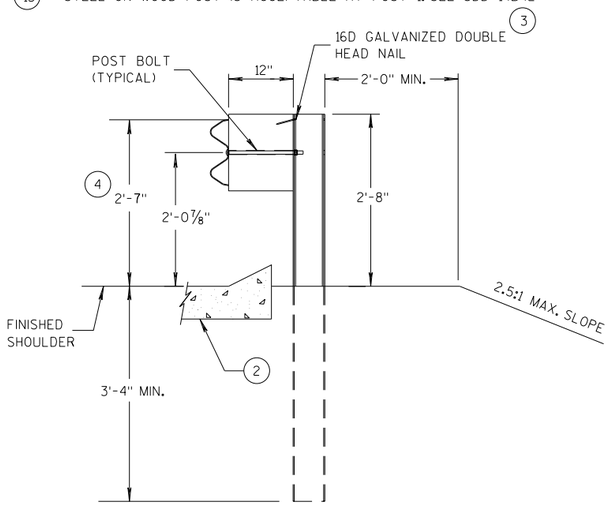
GENERAL NOTES

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 10D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

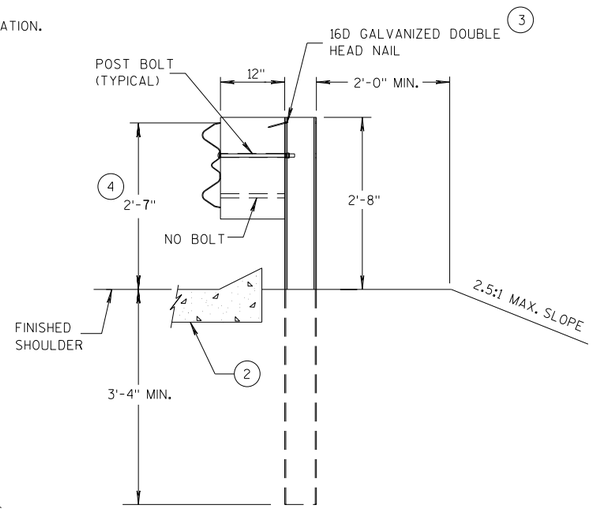
(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42



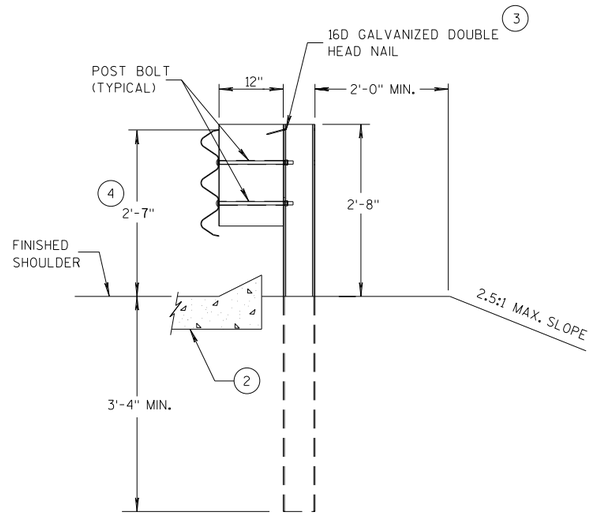
SECTION A-A (13)

POSTS 1-5



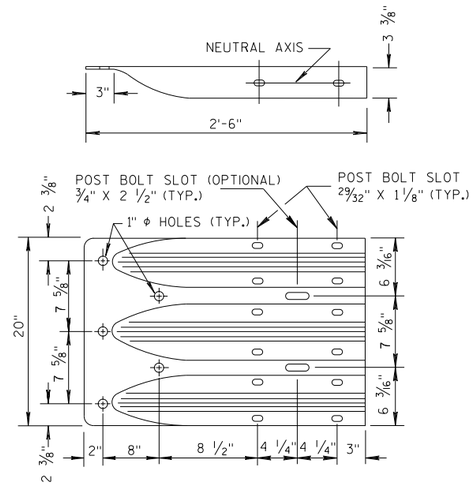
SECTION B-B

POST 6

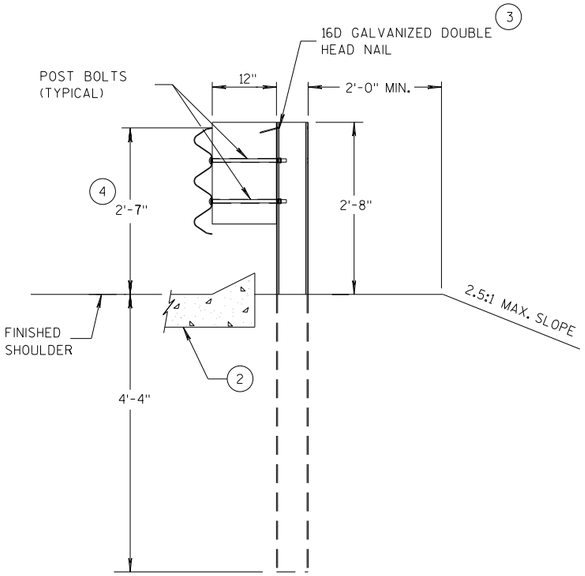


SECTION C-C

POSTS 7-11

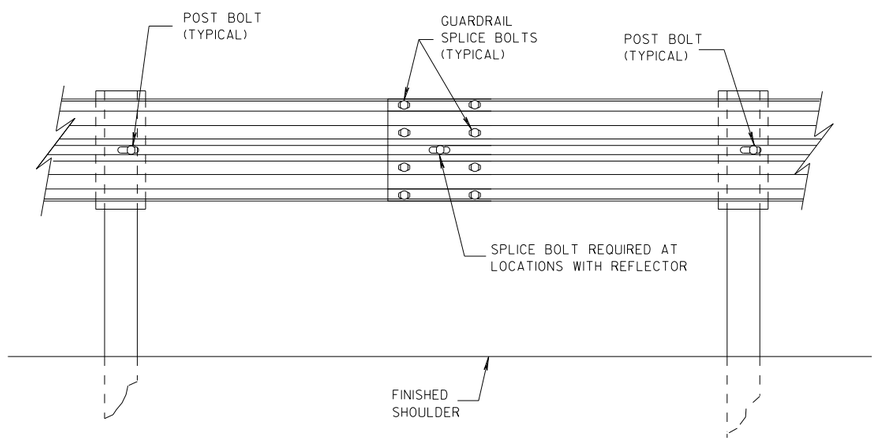


THRIE BEAM TERMINAL CONNECTOR



SECTION D-D

POSTS 12-17



SPLICE DETAIL

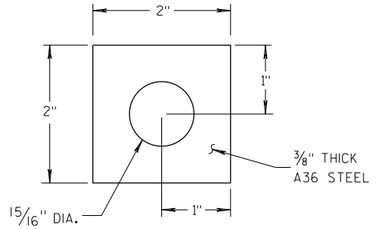
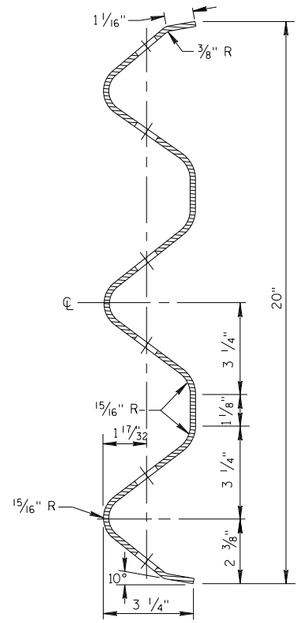


PLATE WASHER DETAIL



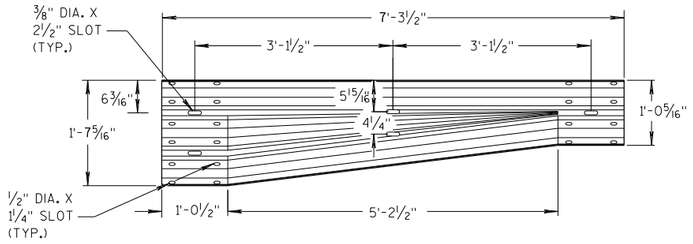
SECTION THRU THRIE BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

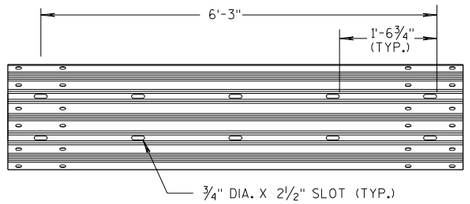
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOF

6

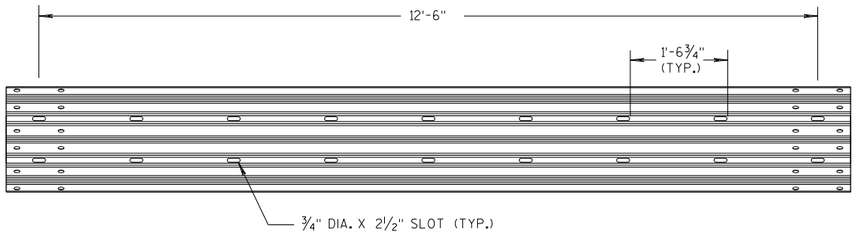
S.D.D. 14 B 45-5b



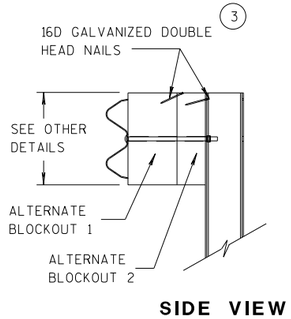
W-BEAM TO THRIE BEAM TRANSITION SECTION



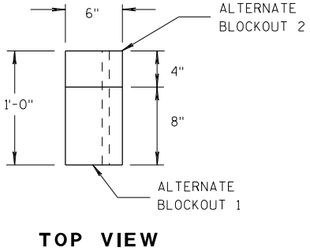
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

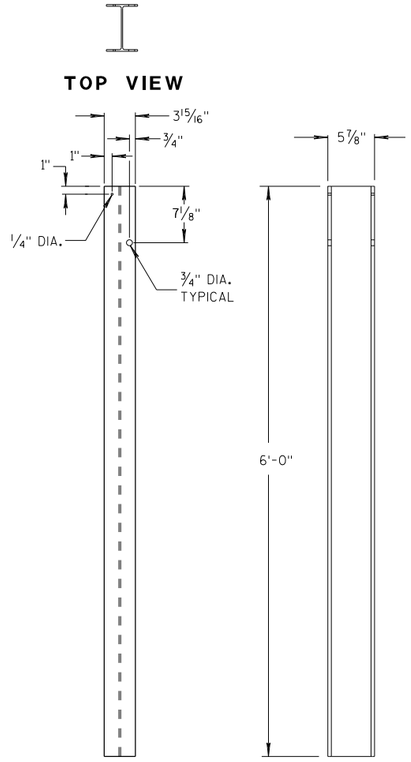


SIDE VIEW



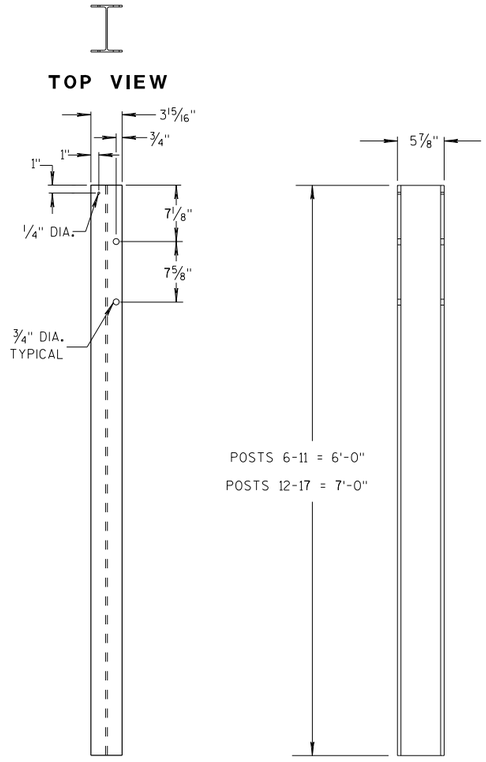
TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL



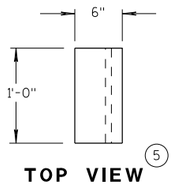
FRONT VIEW SIDE VIEW

STEEL POSTS 1-5 (13)

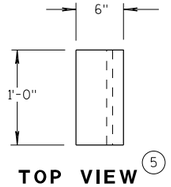


FRONT VIEW SIDE VIEW

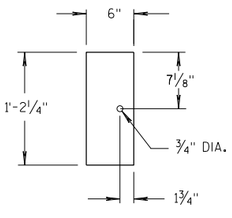
STEEL POSTS 6-17



TOP VIEW (5)

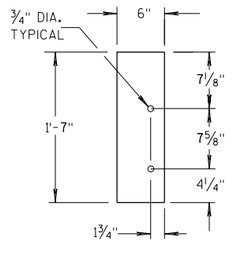


TOP VIEW (5)



FRONT VIEW

BLOCKOUT POSTS 1-5



FRONT VIEW

BLOCKOUT POSTS 6-17

GENERAL NOTES

STEEL POSTS ARE W6X9 OR W6X8.5.

BOLT HOLES FOR POST ARE ON FRONT AND OF SIDE OF POST.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

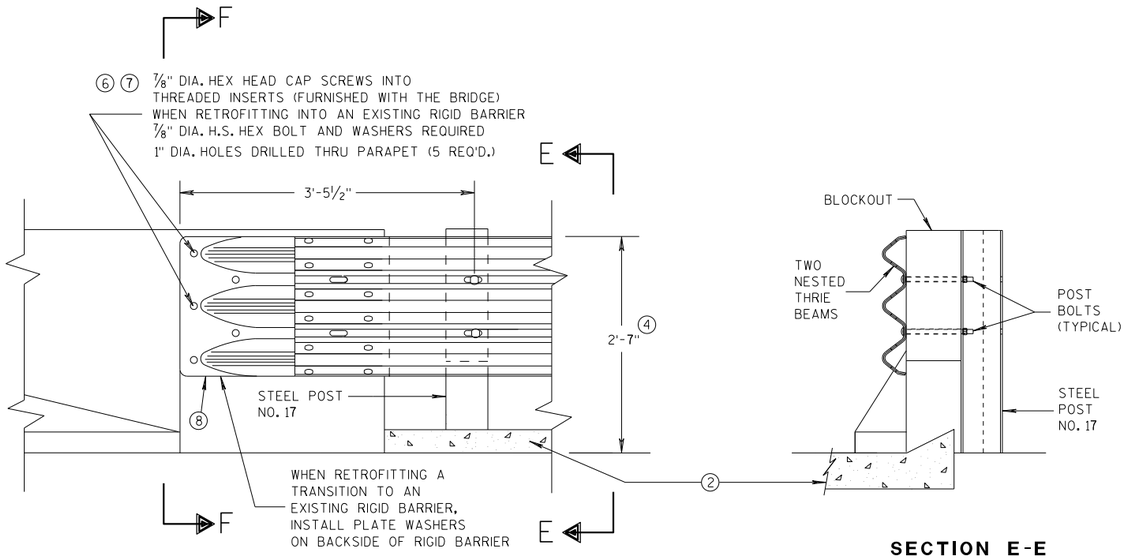
(5) WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 375

6
S.D.D. 14 B 45-5c



FRONT VIEW

SECTION E-E

THRIE BEAM CONNECTION TO BRIDGE PARAPET WITH SQUARE ENDS

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

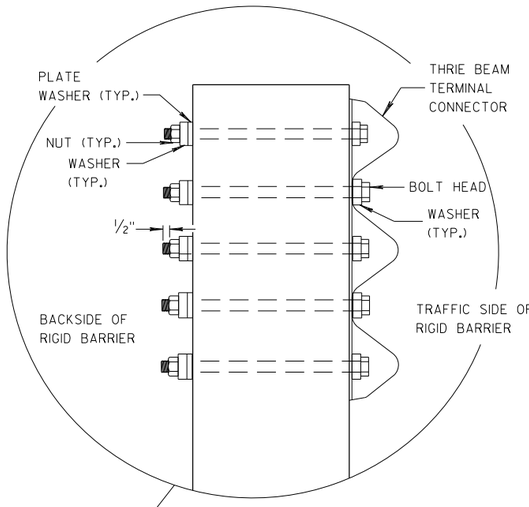
② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

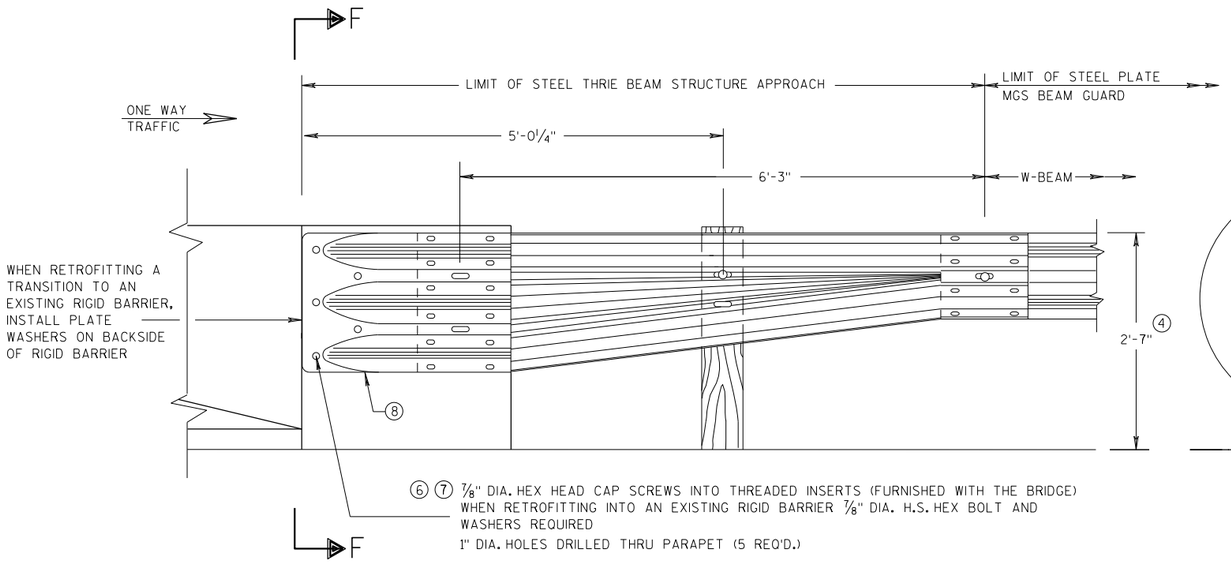
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

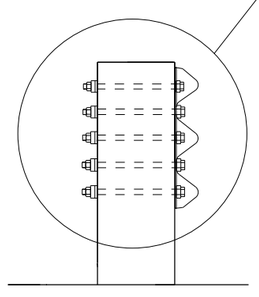
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

⑧ THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".

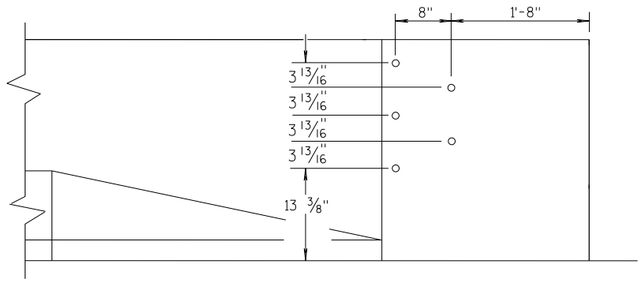




FRONT VIEW



SECTION F-F



DRILL HOLE LOCATION

W BEAM TRANSITION AND CONNECTION TO BRIDGE PARAPETS WITH SQUARE ENDS

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS D UNIT SUPERVI NT
FHWA

6

S.D.D. 14 B 45-5d

6

S.D.D. 14 B 45-5d

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

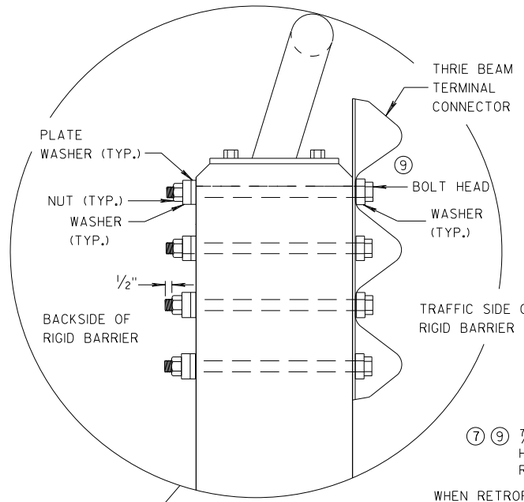
(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

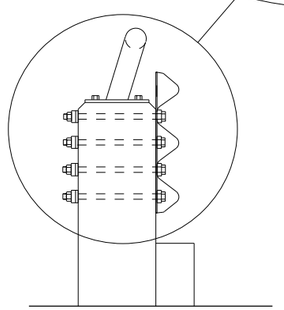
(6) DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

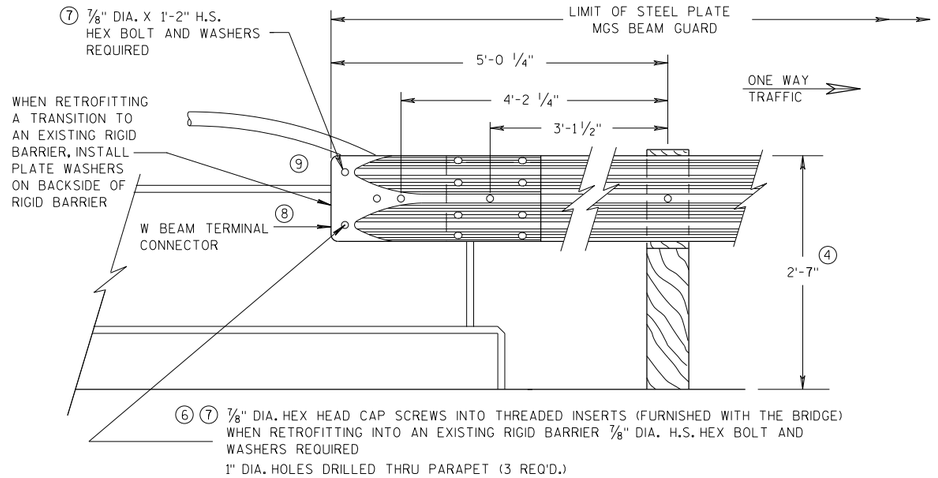
(8) THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 ½".

(9) BOLT, NUT AND WASHERS NOT REQUIRED FOR THIS LOCATION WHEN RETROFITTING AN EXISTING PAPAPET AND THE HOLE IS EITHER ABOVE PARAPET OR WITHIN 4 INCHES OF THE EDGE OF PARAPET.





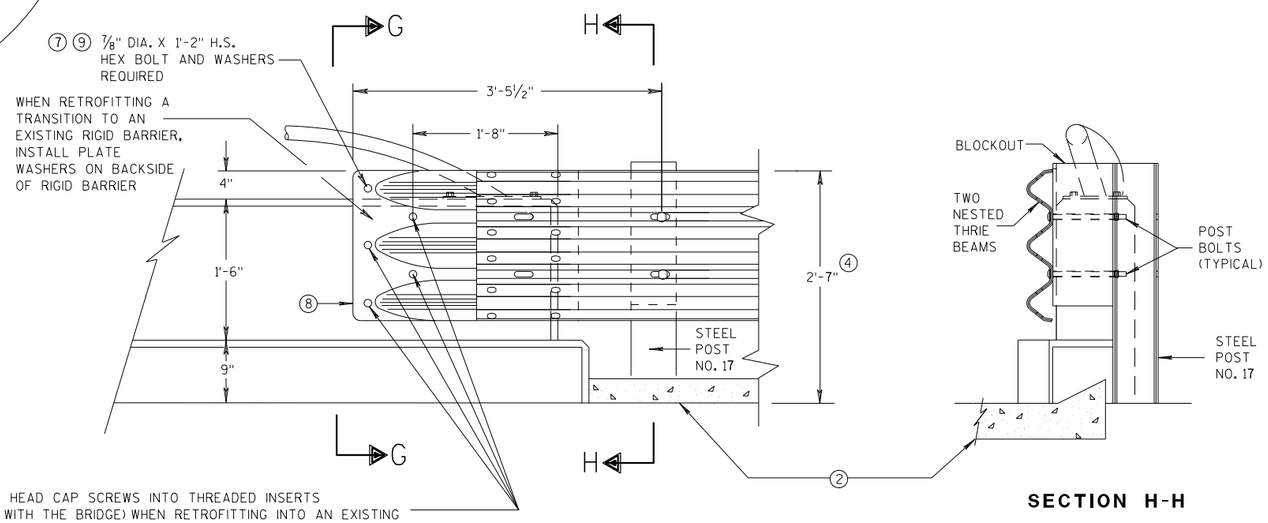
SECTION G-G



FRONT VIEW

W BEAM CONNECTION TO VERTICAL FACE PARAPET

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)



FRONT VIEW

SECTION H-H

THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

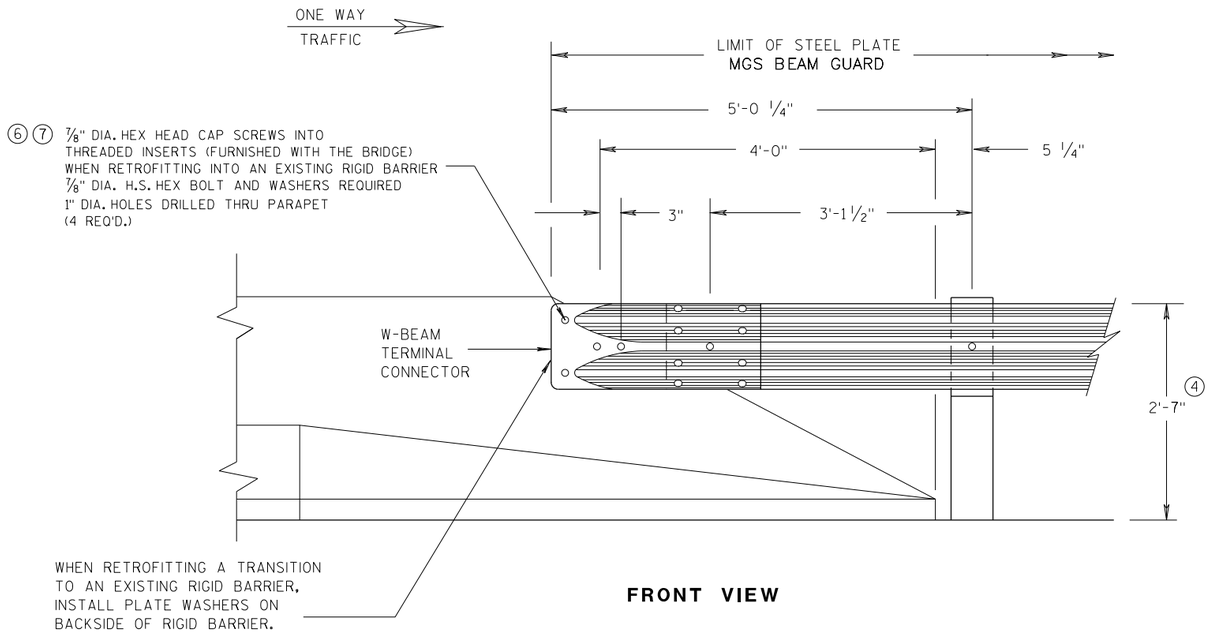
APPROVED
07/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D UNIT SUPERVI
FHWA

6

S.D.D. 14 B 45-5e

6

S.D.D. 14 B 45-5e



FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

(USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)

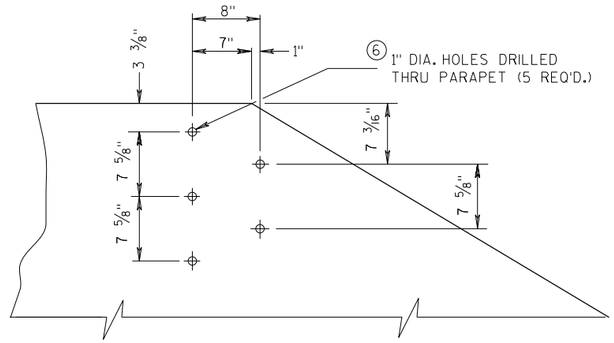
GENERAL NOTES

② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

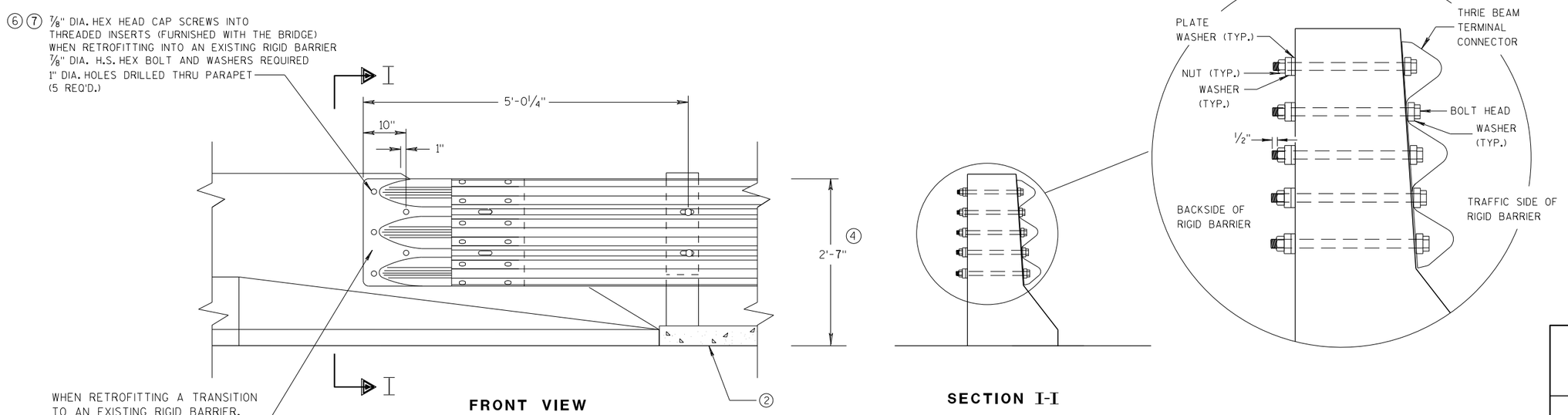
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



DRILL HOLE LOCATION AND PATTERN FOR THRIE BEAM CONNECTION



FRONT VIEW

SECTION I-I

THRIE BEAM CONNECTION TO BRIDGE PARAPETS WITH SLOPED ENDS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

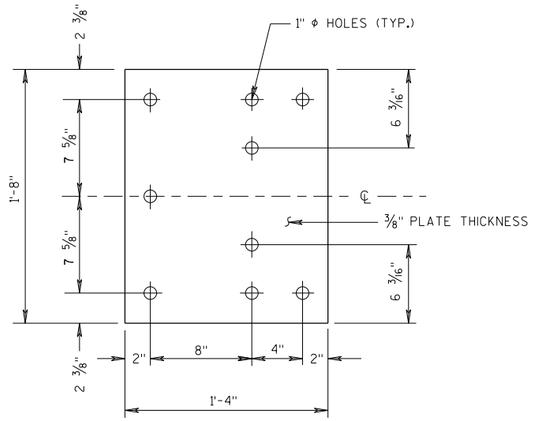
APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS [illegible] UNIT SUPERVI[illegible]ENT
FHWA

6

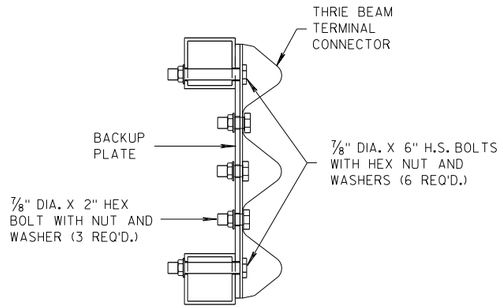
S.D.D. 14 B 45-5f

6

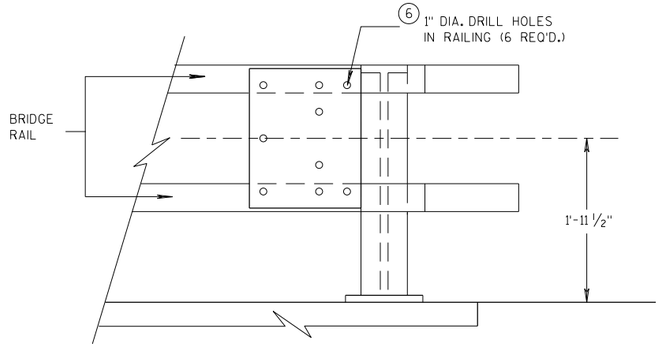
S.D.D. 14 B 45-5f



BACK-UP PLATE DETAIL



SECTION J-J

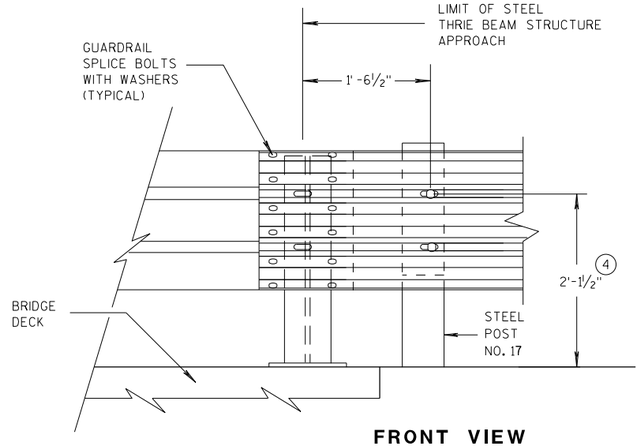


BACK-UP PLATE MOUNTING ONTO BRIDGE RAILING

GENERAL NOTES

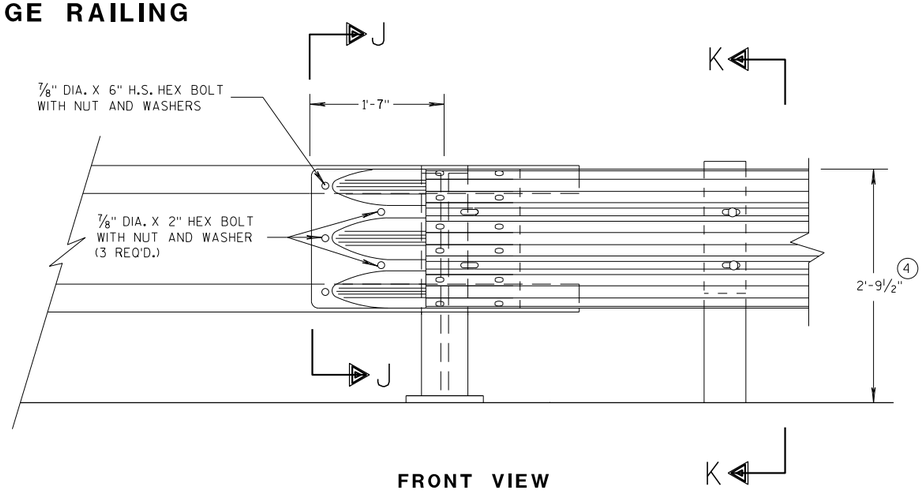
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING HOLES THROUGH THE PAPRPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

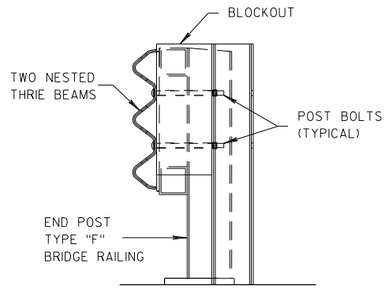


FRONT VIEW

THRIE BEAM CONNECTION TO STEEL RAILING TYPE "W"



FRONT VIEW



SECTION K-K

THRIE BEAM CONNECTION TO TUBULAR RAILING TYPE "F"

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
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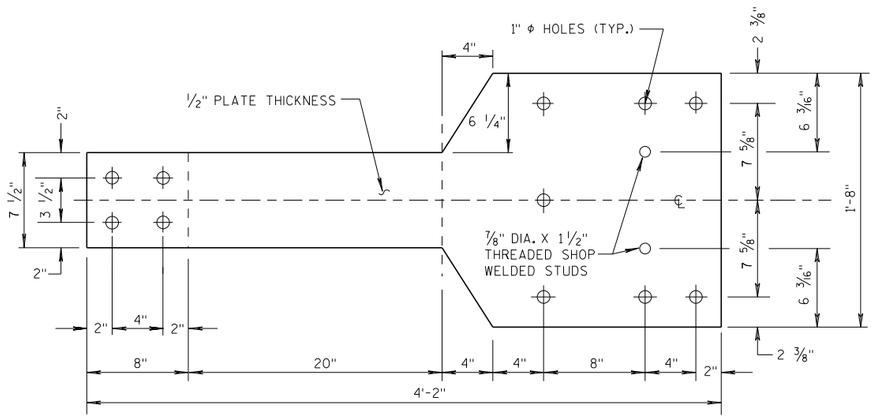
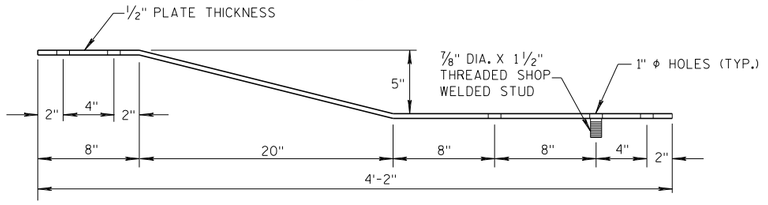
GENERAL NOTES

(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

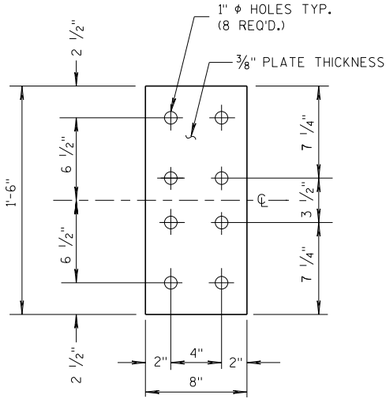


FRONT VIEW



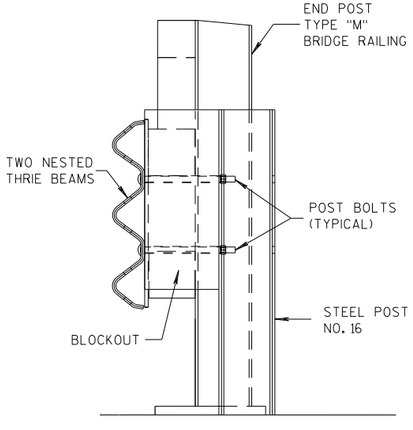
PLAN VIEW

BACK-UP PLATE DETAIL, TYPE "M"

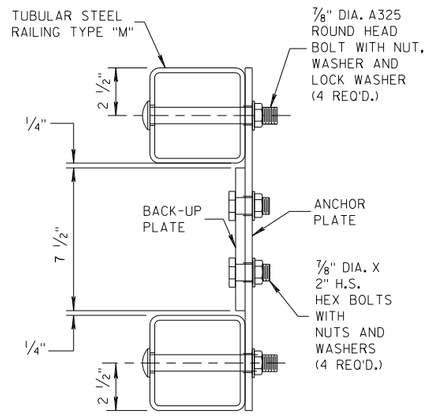


FRONT VIEW

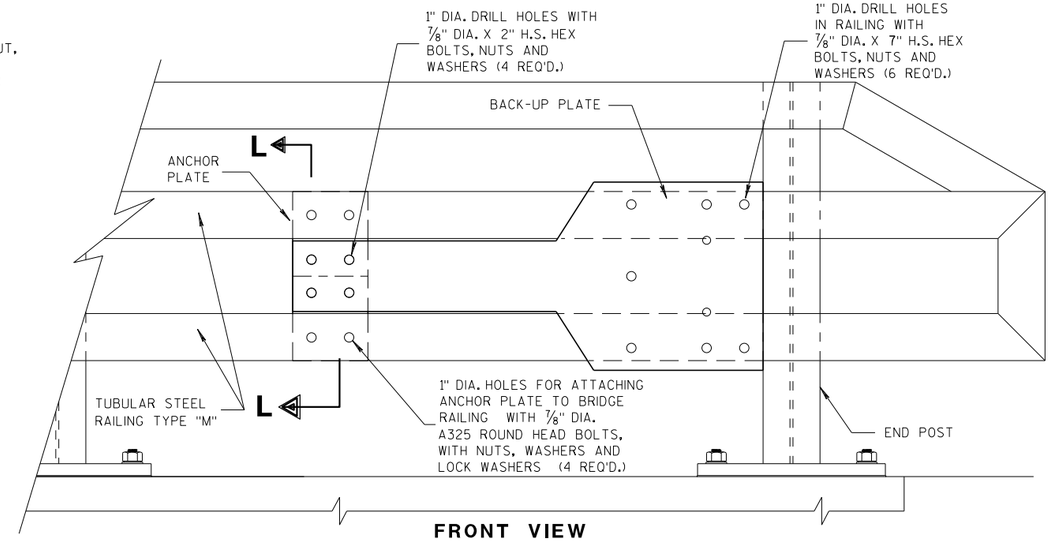
ANCHOR PLATE DETAIL, TYPE "M"



SECTION M-M

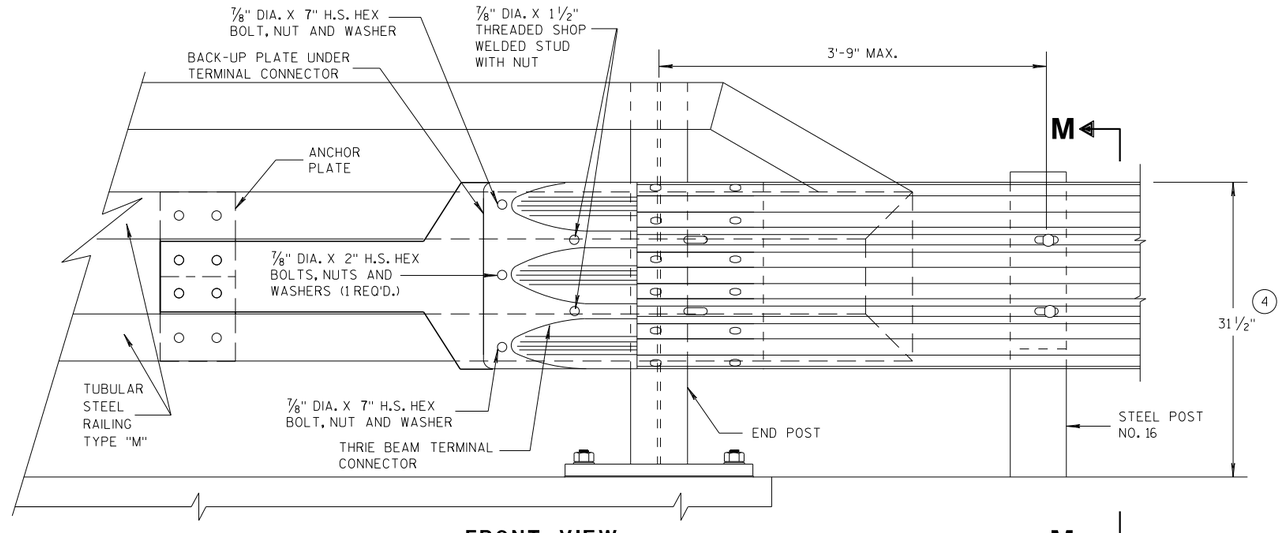


SECTION L-L

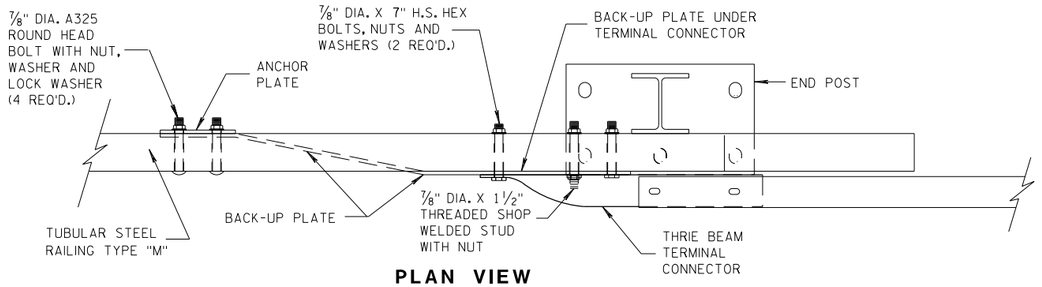


FRONT VIEW

ANCHOR AND BACK-UP PLATE MOUNTING TO BRIDGE RAILING, TYPE "M"



FRONT VIEW



PLAN VIEW

THRIE BEAM CONNECTION TO TUBULAR RAILING, TYPE "M"

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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07/2018 — DATE
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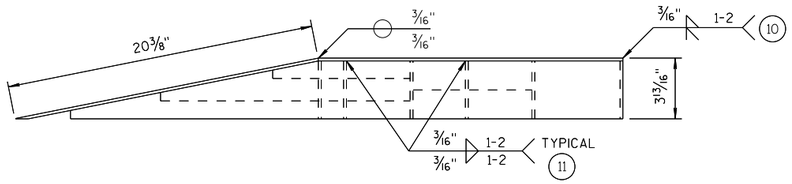

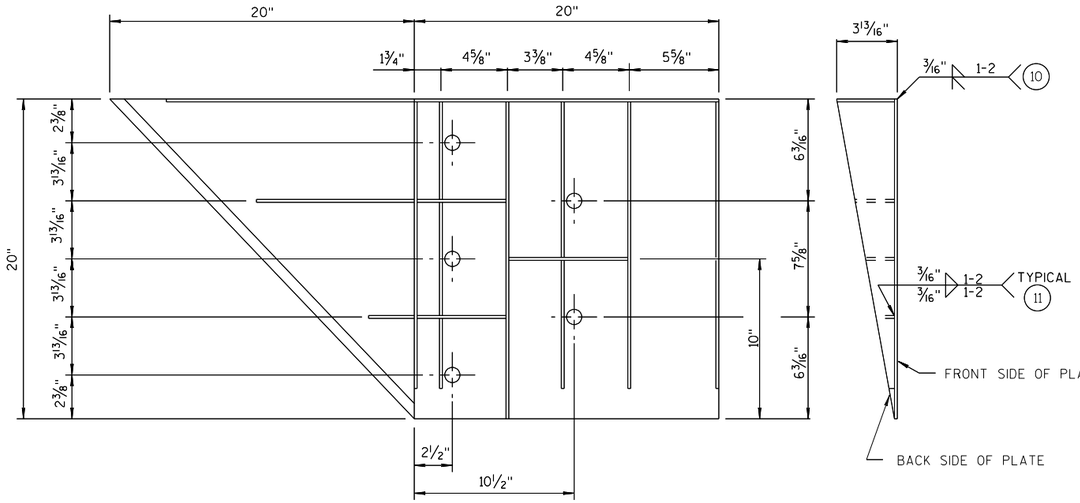

WELDING INSTRUCTION

(VIEWED FROM BACK SIDE OF PLATE)

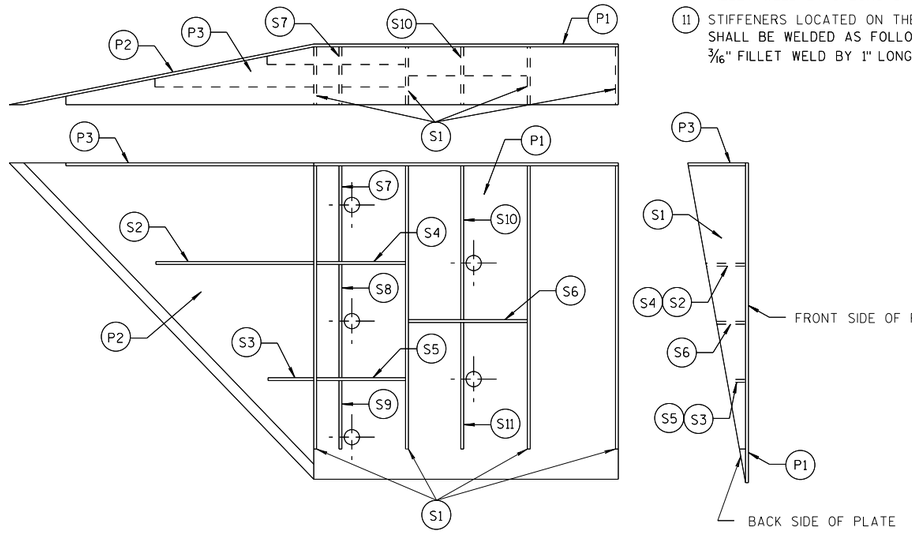

PLATE AND STIFFENER IDENTIFICATION

(VIEWED FROM BACK SIDE OF PLATE)

GENERAL NOTES

COVER PLATE PANELS ARE 3/16" THICK.

ALL STIFFENERS ARE 1/4" THICK.

CONNECTOR PLATE SHALL BE FABRICATED FROM ASTM GRADE A36 STEEL AND GALVANIZED.

FOR GALVANIZED REQUIREMENTS, SEE SECTION 614 OF THE STANDARD SPECIFICATIONS.

ALL HOLE DIAMETERS SHALL BE 1".

FOR OPPOSITE SIDE INSTALLATION MIRROR DRAWINGS.

(10) STIFFENERS LOCATED AT THE OUTSIDE EDGES OF THE COVER PLATES SHALL BE WELDED AS FOLLOWS:
SINGLE BEVEL GROOVE WELD ON EXTERNAL SIDES AND 3/16" FILLET WELD BY 1" LONG SPACED AT 2" ON INTERNAL SIDES.

(11) STIFFENERS LOCATED ON THE INSIDE OF THE COVER PLATE SHALL BE WELDED AS FOLLOWS:
3/16" FILLET WELD BY 1" LONG SPACED AT 2".

CONNECTOR PLATE DIMENSION (PER ASSEMBLY)

PLATE	QUANTITY	SHAPE	SIZE (A x B x C x D)	THICKNESS
P1	1		20" x 20"	3/16"
P2	1		20" x 20" x 28 9/16"	3/16"
P3	1		39" x 3 5/8" x 20" x 19 5/16"	3/16"
S1	4		18 7/16" x 3 5/8" x 18 3/4"	1/4"
S2	1		10 1/4" x 2 7/16" x 10 3/8" x 1/2"	1/4"
S3	1		3" x 1 1/16" x 3 1/8" x 1/2"	1/4"
S4	1		6 1/8" x 2 7/16"	1/4"
S5	1		6 1/8" x 1 1/16"	1/4"
S6	1		7 3/4" x 1 3/4"	1/4"
S7	1		2 9/16" x 6" x 3 5/8" x 5 7/8"	1/4"
S8	1		1 5/32" x 7 1/2" x 2 1/2" x 7 3/8"	1/4"
S9	1		6 1/16" x 6 3/16" x 1 3/32"	1/4"
S10	1		1 7/8" x 9 7/8" x 3 5/8" x 9 11/16"	1/4"
S11	1		8 1/2" x 8 3/4" x 1 13/16"	1/4"

SINGLE SLOPE CONNECTION PLATE

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

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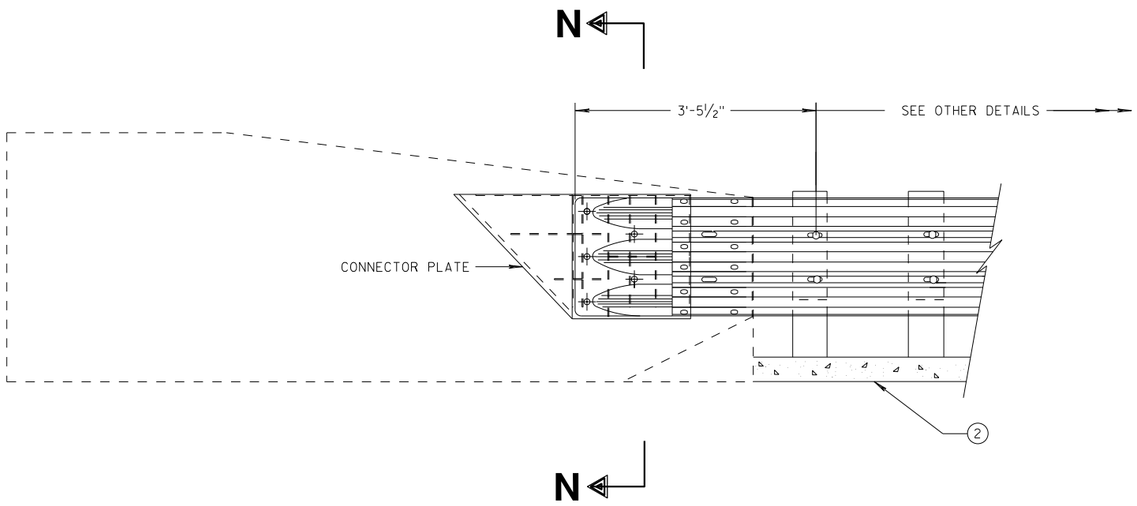
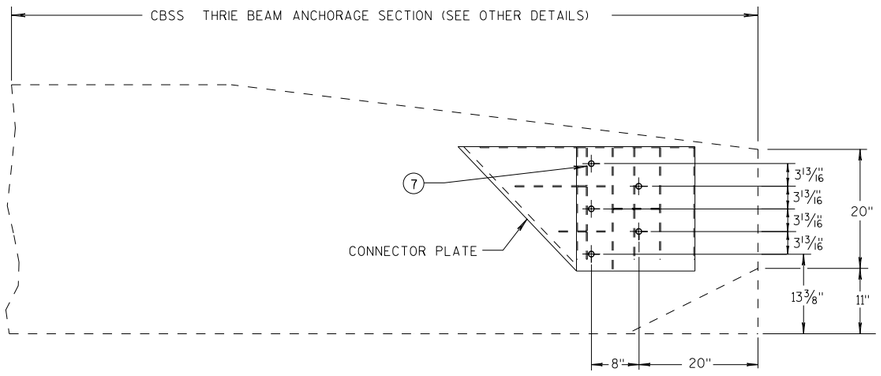


THRIE BEAM CONNECTION TO SINGLE SLOPE BARRIER



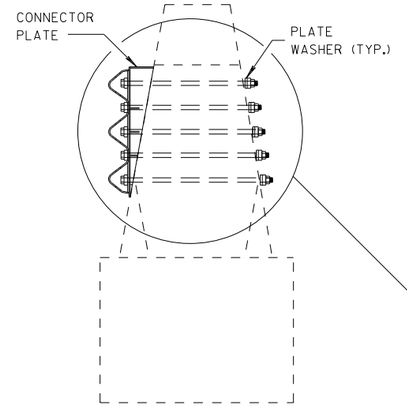
SINGLE SLOPE CONNECTION PLATE PLACEMENT

GENERAL NOTES

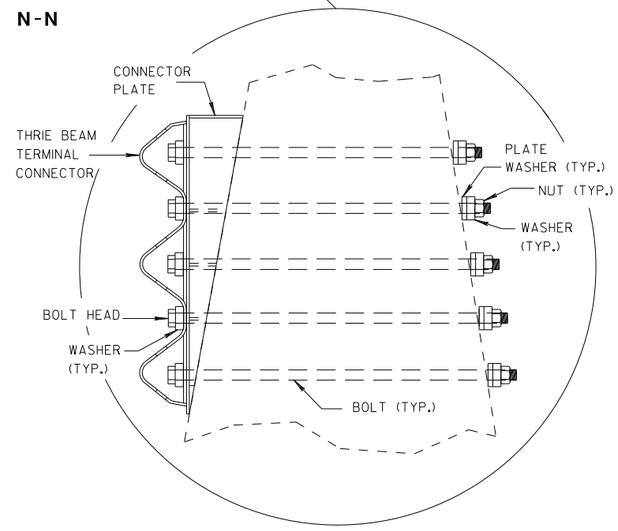
CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



SECTION N-N



MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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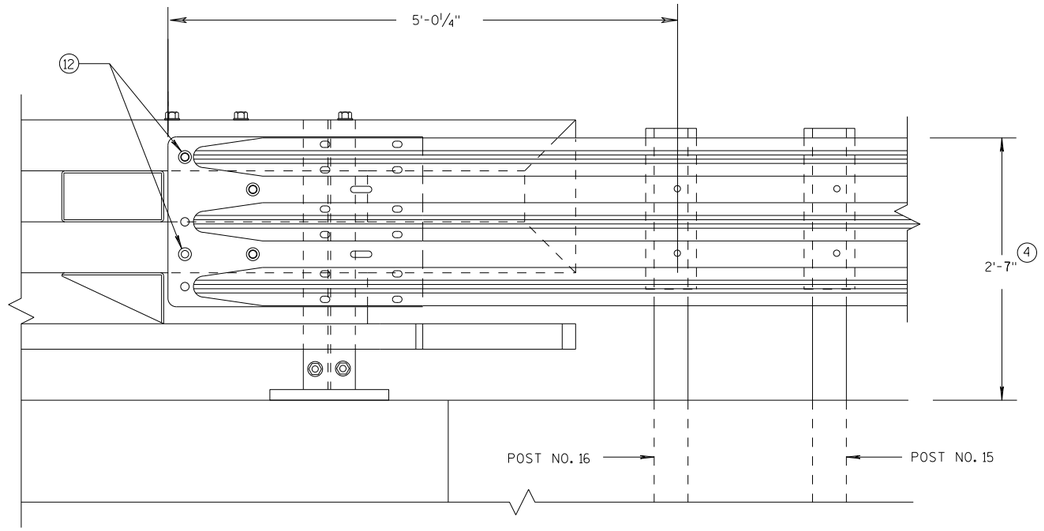
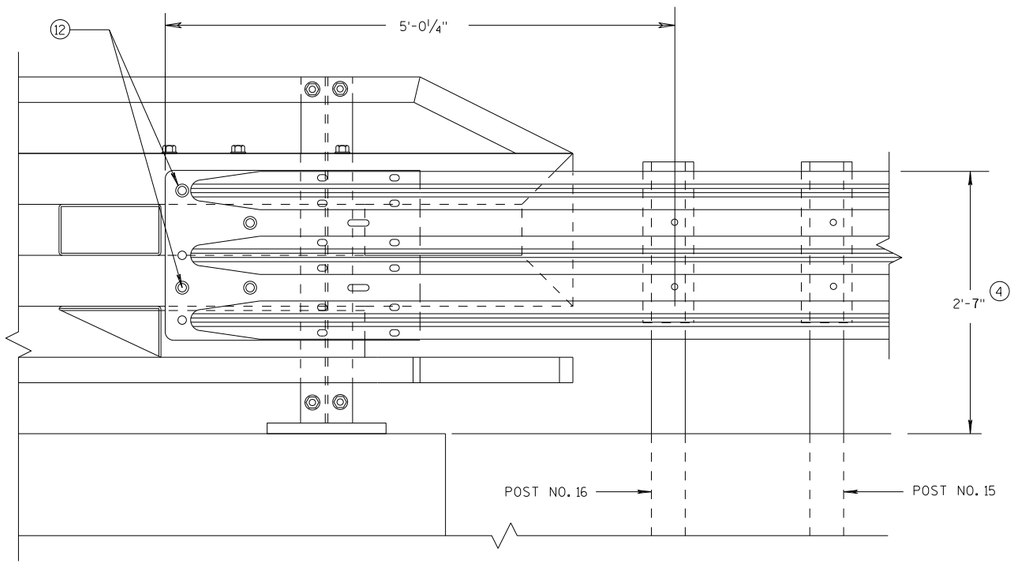


ELEVATION OF DETAIL AT NY3 END POST

THRIE BEAM RAIL ATTACHMENT



ELEVATION OF DETAIL AT NY4 END POST

THRIE BEAM RAIL ATTACHMENT

GENERAL NOTES

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(12) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND 1/2-INCH BEYOND NUT.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
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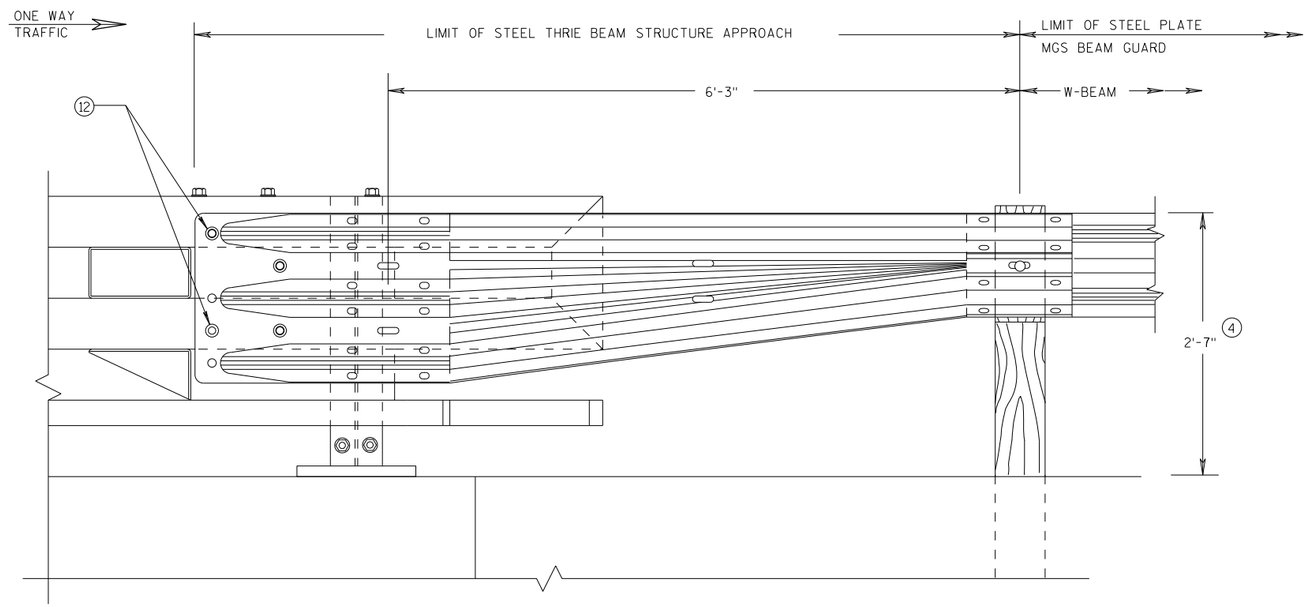


FRONT VIEW

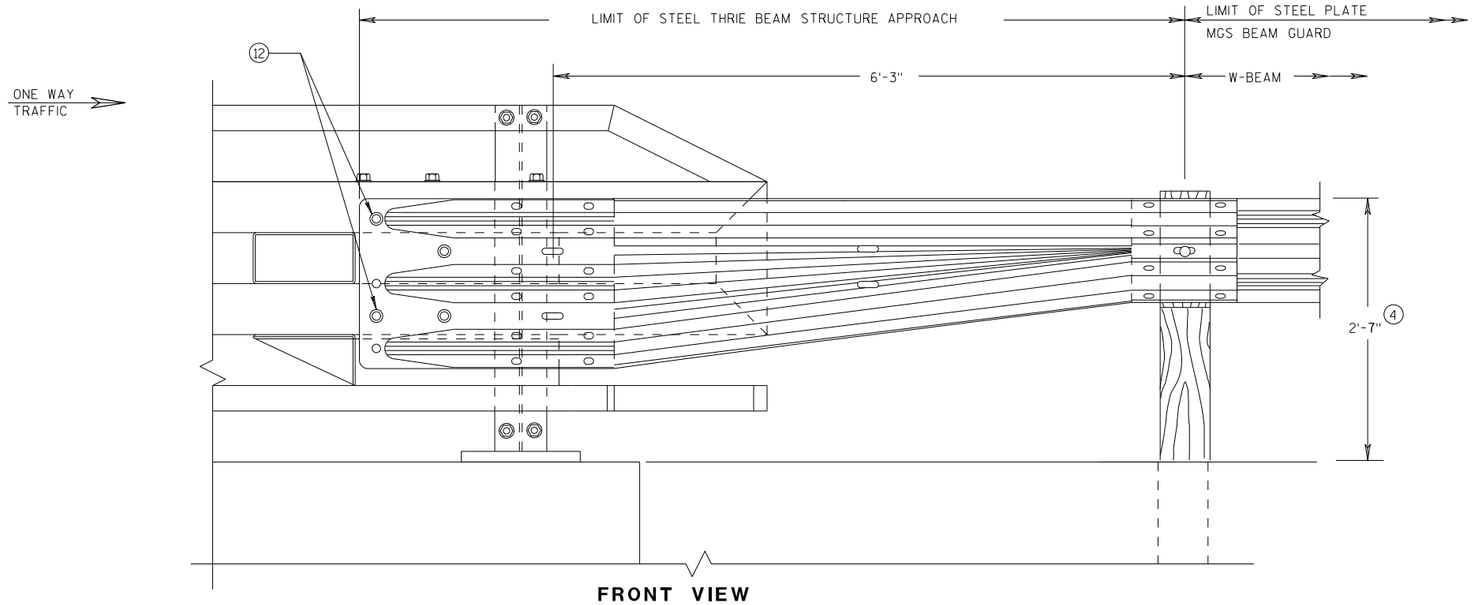
W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY3"

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

GENERAL NOTES

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(12) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND 1/2-INCH BEYOND NUT.



FRONT VIEW

W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY4"

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

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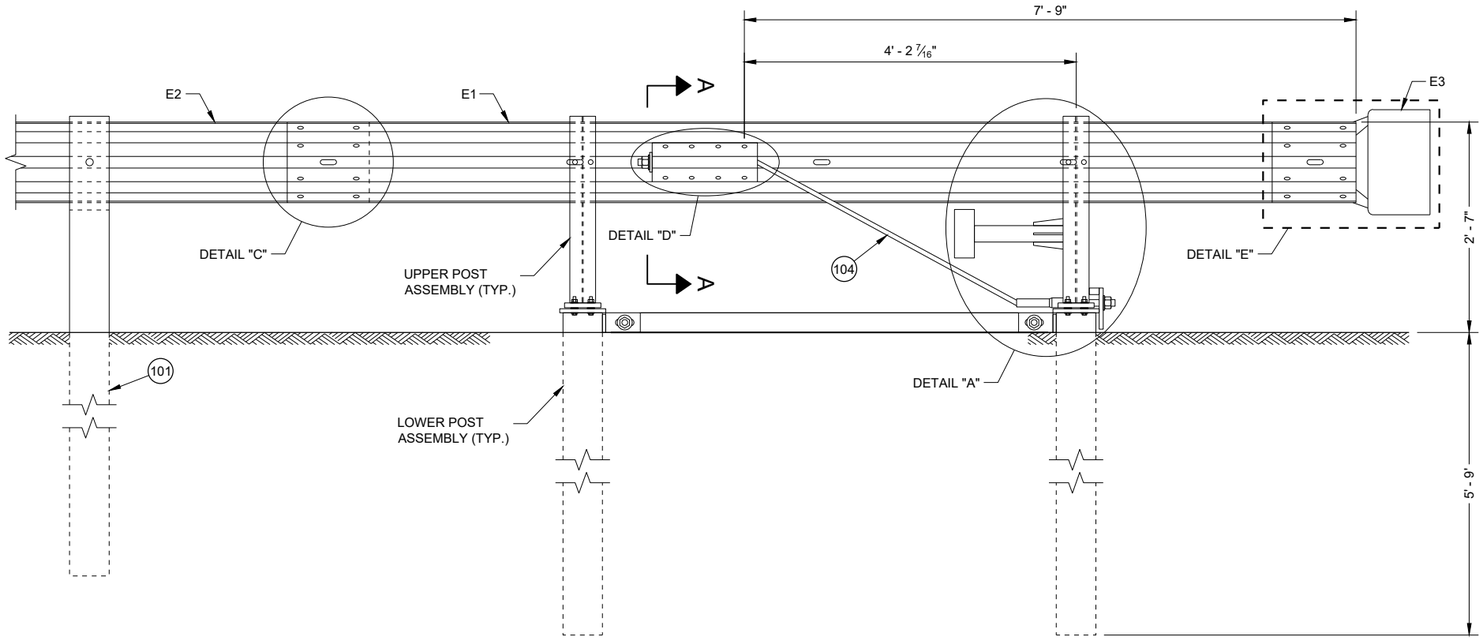
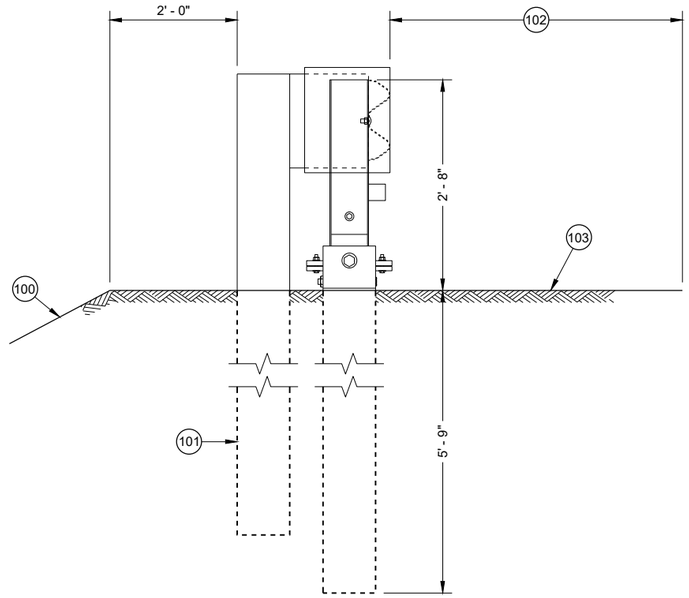
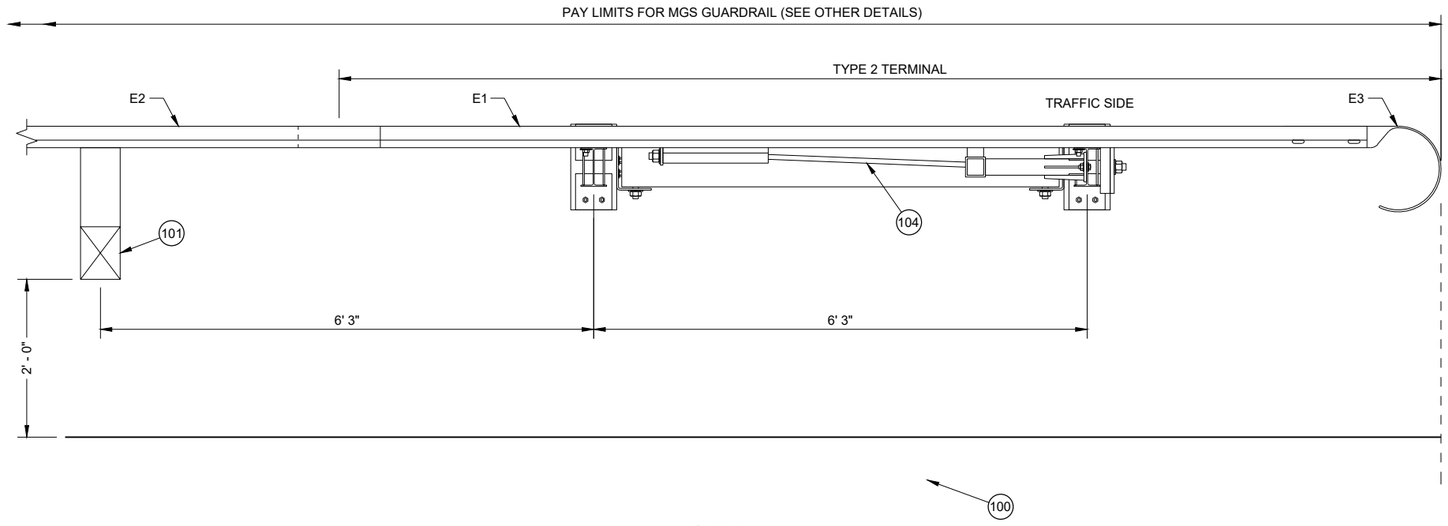


BACK VIEW
TYPE 2 TERMINAL



SIDE VIEW
TYPE 2 TERMINAL



TOP VIEW
TYPE 2 TERMINAL

GENERAL NOTES

(100) MAXIMUM SLOPE IS 2.5:1.

(101) SEE SDD 14B42 FOR MORE INFORMATION.

(102) SHOULDER

(103) MAXIMUM SLOPE IS 10:1.

(104) AFTER ASSEMBLY, CABLE IS TO BE TIGHTENED WITHOUT TWISTING THE CABLE.

MIDWEST GUARDRAIL SYSTEM (MGS)
TYPE 2 TERMINAL

STATE OF WISCONSIN
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SDD 14B47 - 03a

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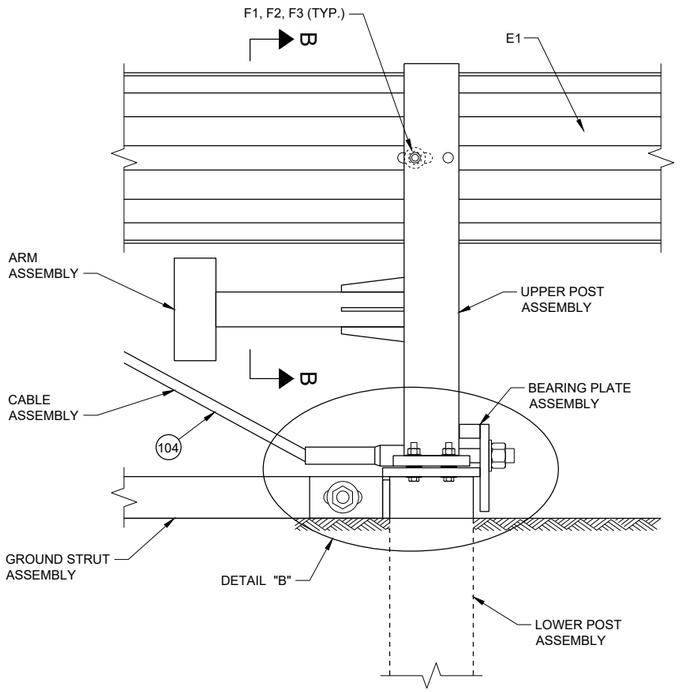
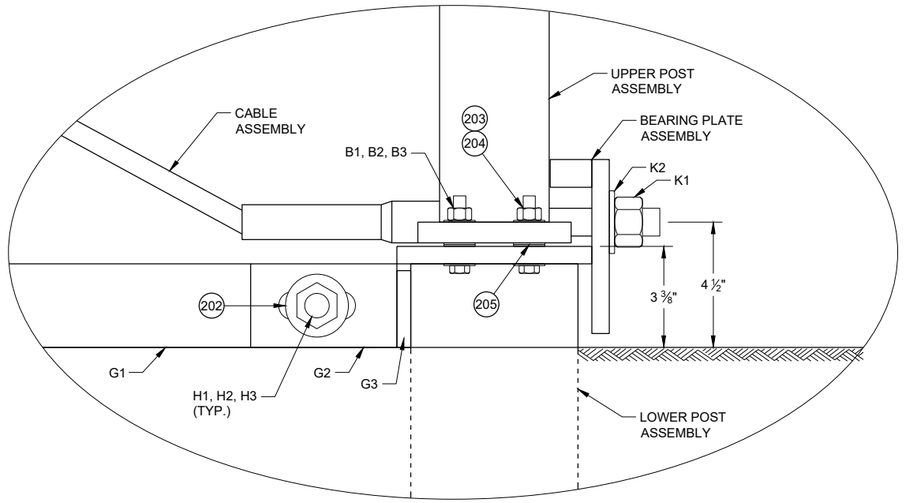
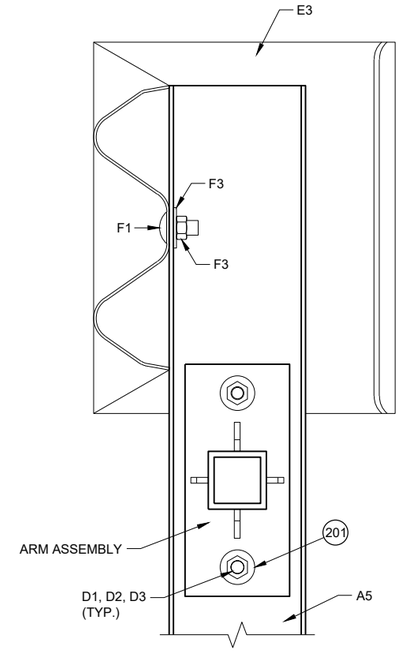


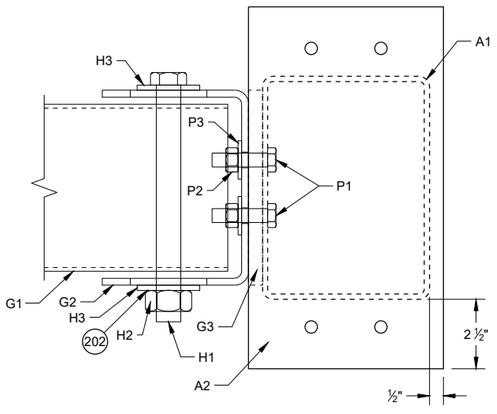
DETAIL "A"



DETAIL "B"

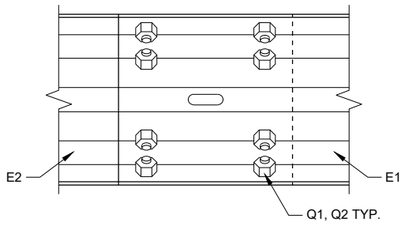


SECTION B - B

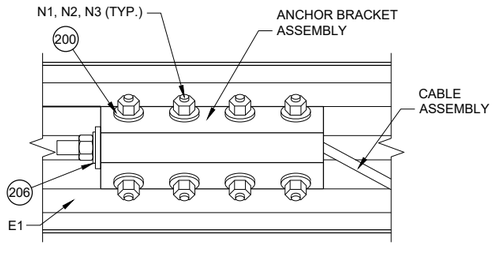


TOP VIEW

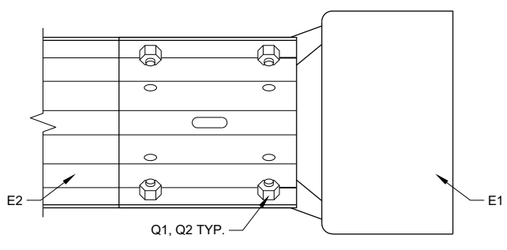
GROUND STRUT CONNECTION DETAIL



DETAIL "C"



DETAIL "D"



DETAIL "E"

GENERAL NOTES

200 INSTALL ONE WASHER UNDER BOLT HEAD AND RAIL AND ON WASHER BETWEEN NUT AND ANCHOR BRACKET ASSEMBLY.

201 INSTALL ONE WASHER UNDER BOLT HEAD AND UPPER POST ASSEMBLY AND ONE WASHER BETWEEN NUT AND ARM PLATE.

202 INSTALL ONE WASHER UNDER BOLT HEAD AND GROUND STRUT CONNECTOR AND ONE WASHER BETWEEN NUT AND GROUND STRUT CONNECTOR.

203 INSTALL ONE WASHER UNDER BOLT HEAD AND LOWER POST ASSEMBLY AND ONE WASHER BETWEEN NUT AND UPPER POST ASSEMBLY.

204 TORQUE VALUE IS BETWEEN 60 - 75 FT-LB.

205 TWO WASHERS BETWEEN UPPER AND LOWER POST ASSEMBLY.

206 INSTALL ONE WASHER BETWEEN NUT AND ANCHOR BRACKET ASSEMBLY.

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
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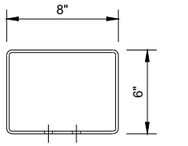
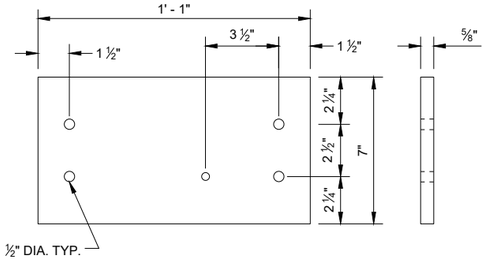
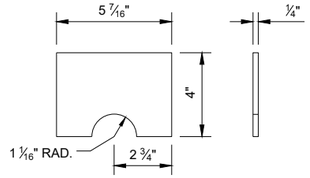
SDD 14B47 - 03b



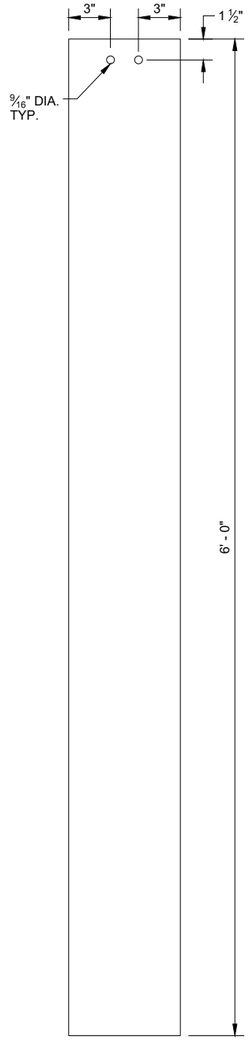
TOP VIEW



LOWER PLATE (A2)

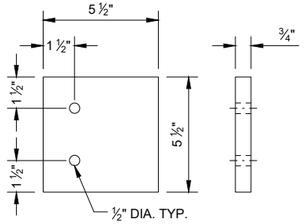


POST GUSSET (A3)

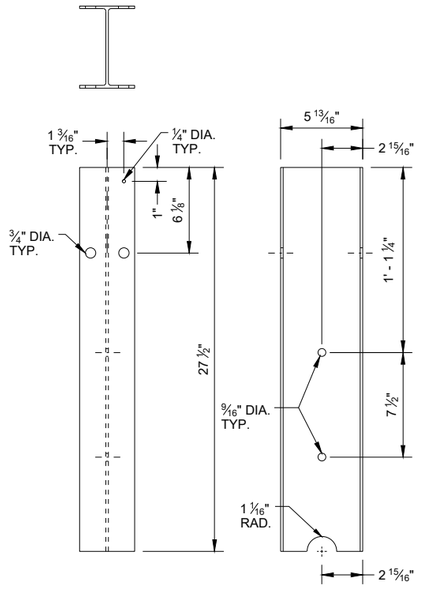


SIDE VIEW

FOUNDATION TUBE (A1)

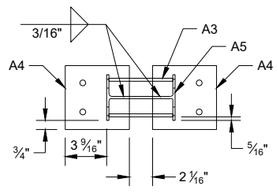


UPPER PLATE (A4)

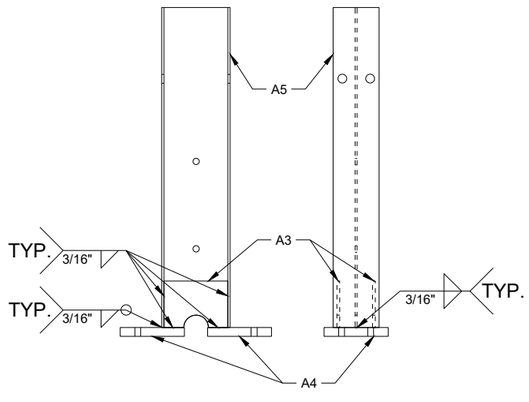


FRONT VIEW **SIDE VIEW**

TYPE 2 POST (A5)

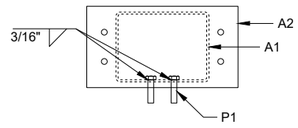


PLAN VIEW



SIDE VIEW **FRONT VIEW**

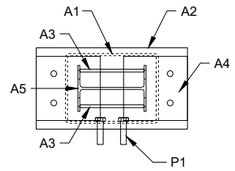
UPPER POST ASSEMBLY

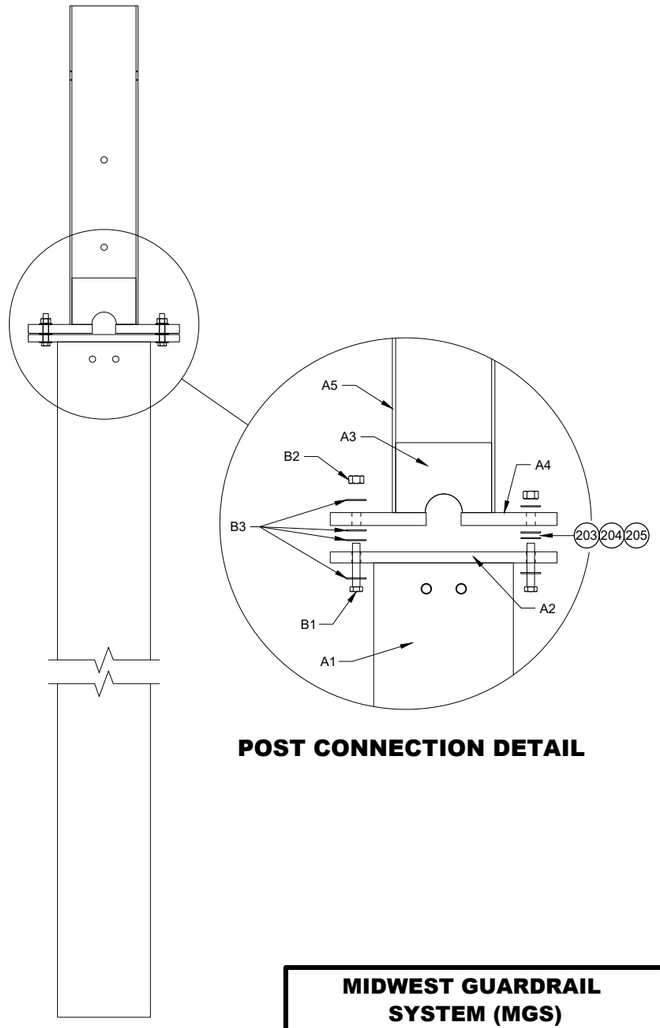


PLAN VIEW

FRONT VIEW **SIDE VIEW**

LOWER POST ASSEMBLY





POST CONNECTION DETAIL

ASSEMBLED POST

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 387

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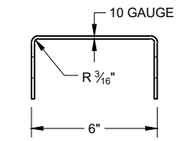
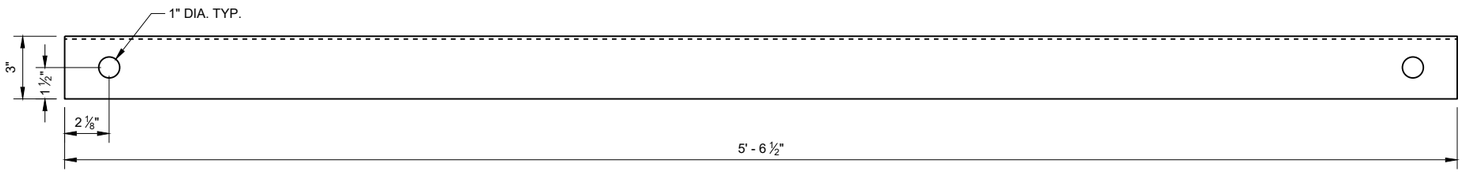
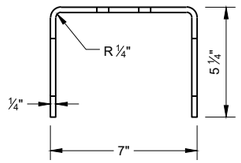


SIDE VIEW

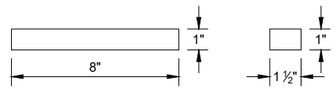


FRONT VIEW

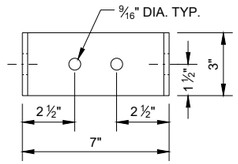
GROUND STRUT CHANNEL (G1)



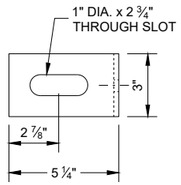
TOP VIEW



BEARING PLATE FLANGE (L2)

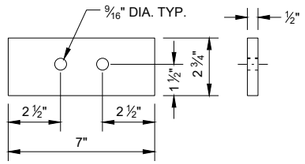


FRONT VIEW

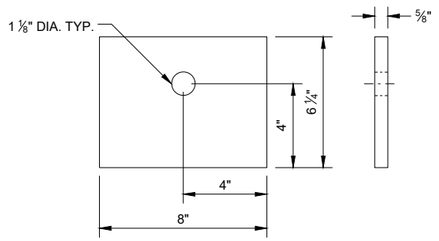


SIDE VIEW

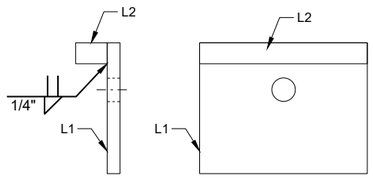
GROUND STRUT CONNECTOR (G2)



GROUND STRUT PLATE (G3)



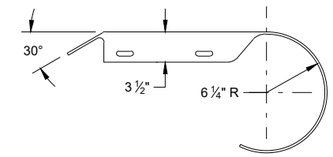
BEARING PLATE (L1)



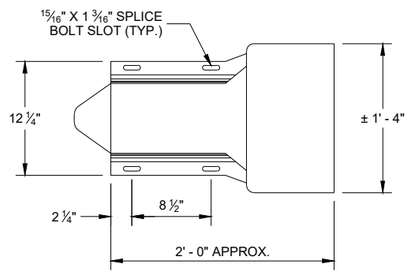
SIDE VIEW

FRONT VIEW

BEARING PLATE ASSEMBLY

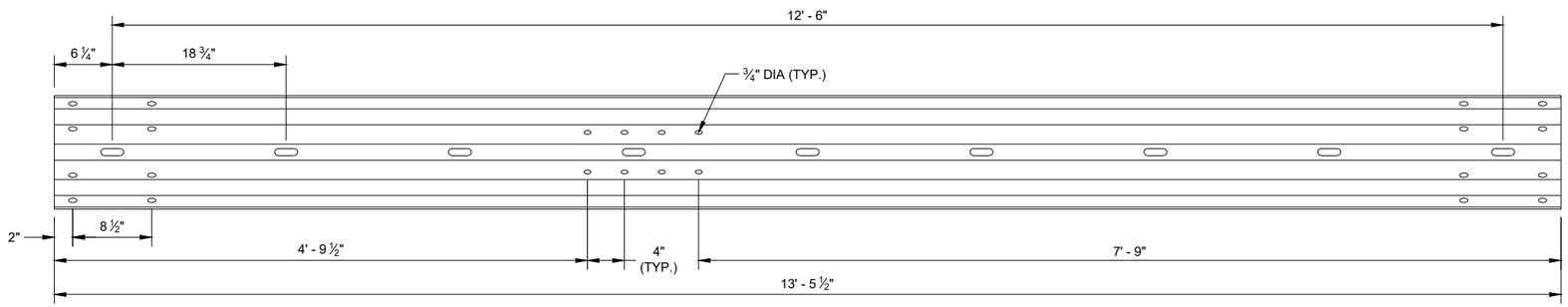


PLAN VIEW

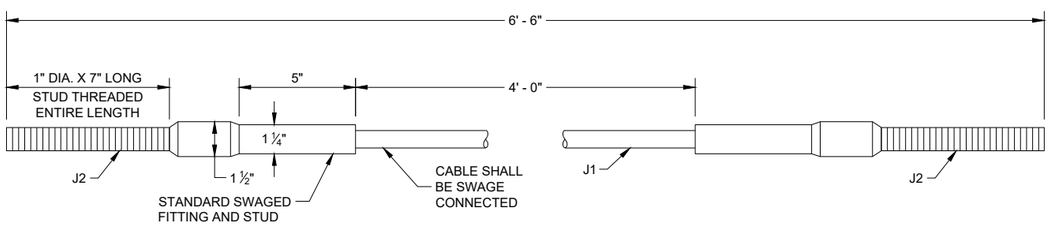


ELEVATION VIEW

ROUNDED BUFFER END (E3)



TYPE 2 GUARDRAIL (E1)



CABLE ASSEMBLY

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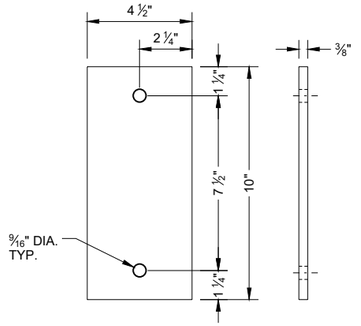
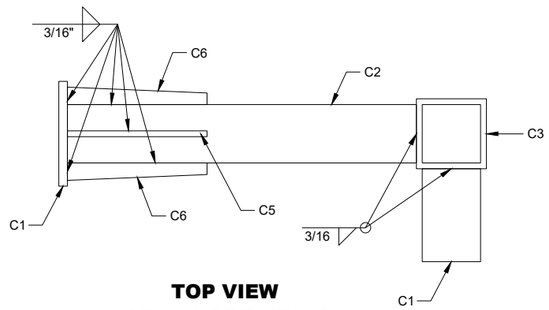
MIDWEST GUARDRAIL SYSTEM (MGS)
TYPE 2 TERMINAL

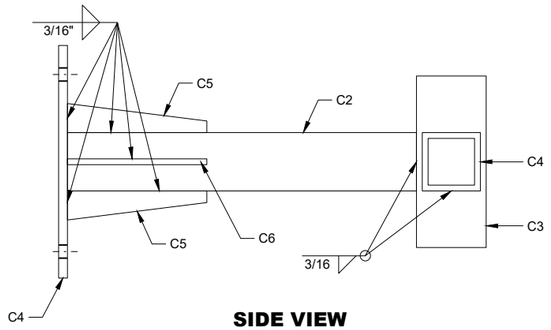
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



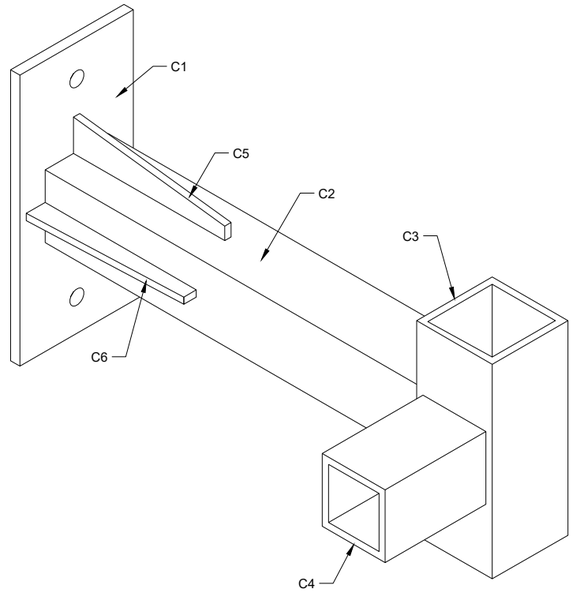
ARM PLATE (C1)



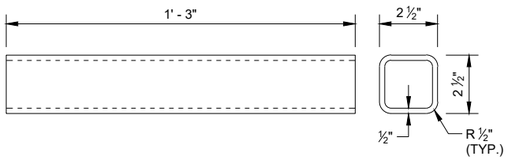
TOP VIEW
ARM ASSEMBLY



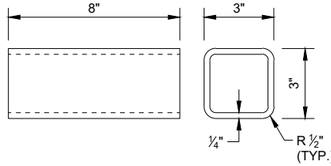
SIDE VIEW
ARM ASSEMBLY



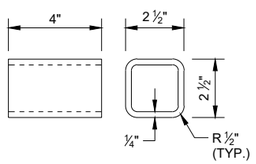
ISOMETRIC VIEW
ARM ASSEMBLY



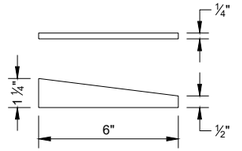
ARM TUBE 1 (C2)



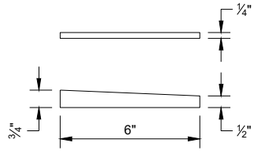
ARM TUBE 2 (C3)



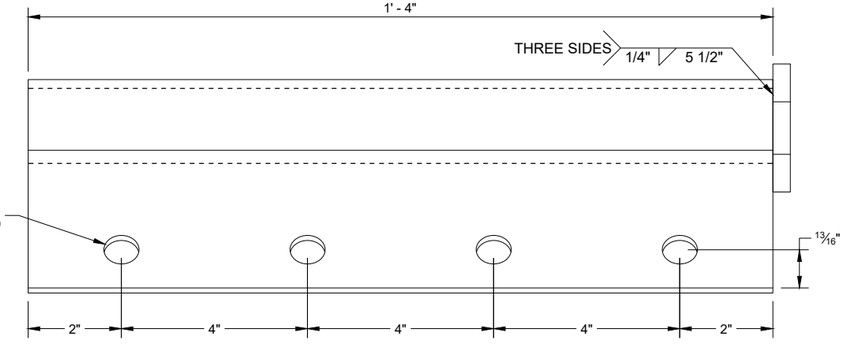
ARM TUBE 3 (C4)

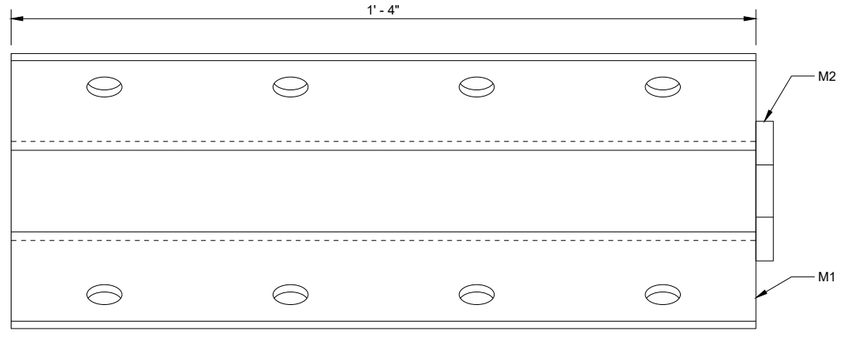


ARM GUSSET PLATE 1 (C5)

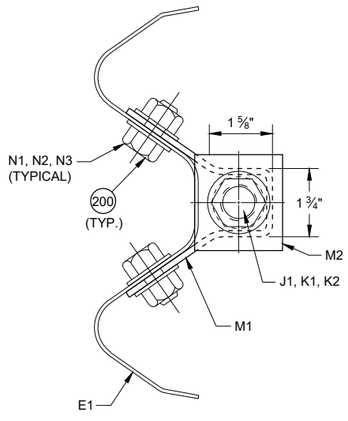


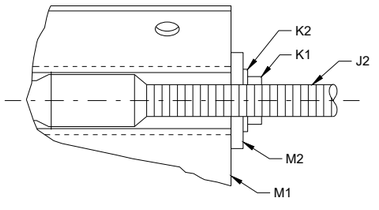
ARM GUSSET PLATE 2 (C6)



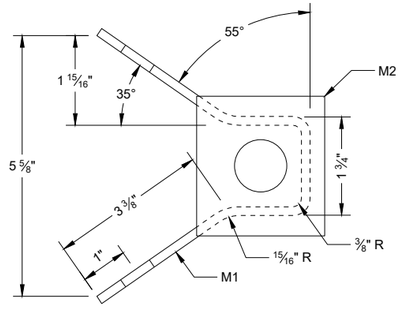


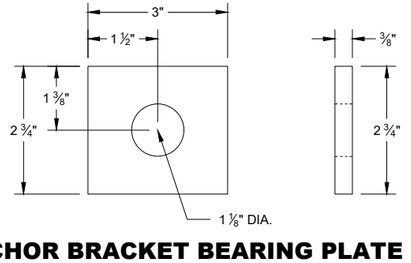
ANCHOR BRACKET (M1, M2)





SECTION A - A





ANCHOR BRACKET BEARING PLATE (M2)

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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BILL OF MATERIALS - TYPE 2 TERMINAL (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	TYPE 2 FOUNDATION TUBE	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 8" x 6" x 3/16"
A2	LOWER PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	5/8" THICKNESS
A3	POST GUSSET	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
A4	UPPER PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/4" THICKNESS
A5	TYPE 2 POST	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	
B1	BREAKAWAY BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM F3125 GRADE A325 TYPE 1 HEAVY HEX HEAD OR SAE J429 GRADE 5 HEAVY HEX HEAD / ASTM A449 TYPE 1 HEAVY HEX HEAD. BOLTS MAY BE FULLY THREADED . PROVIDE ENOUGH THREADING FOR PROPER TIGHTENING OF BOLT.	7/16" DIA.
B2	BREAKAWAY BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	7/16" DIA.
B3	BREAKAWAY BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
C1	ARM ASSEMBLY PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/8" THICKNESS
C2	ARM ASSEMBLY TUBE 1	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 8" x 6" x 3/16"
C3	ARM ASSEMBLY TUBE 2	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 3" x 3" x 1/4"
C4	ARM ASSEMBLY TUBE 3	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 2 1/2" x 2 1/2" X 1/4"
C5	ARM ASSEMBLY GUSSET PLATE 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
C6	ARM ASSEMBLY GUSSET PLATE 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
D1	ARM ASSEMBLY BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	1/2" DIA.
D2	ARM ASSEMBLY WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	1/2" DIA.
D3	ARM ASSEMBLY NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1/2" DIA.
E1	TYPE 2 GUARD RAIL	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
E2	BEAM GUARD RAIL	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
E3	BEAM GUARD ROUNDED BUFFER END	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
F1	POST BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	5/8" DIA.
F2	POST BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	5/8" DIA.
F3	POST BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
G1	GROUND STRUT CHANNEL	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/2" x 11 3/4" x 10 GAUGE
G2	GROUND STRUT CONNECTOR	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
G3	GROUND STRUT PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/2" THICKNESS

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MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

BILL OF MATERIALS - TYPE 2 TERMINAL (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
H1	GROUND STRUT BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	7/8" DIA.
H2	GROUND STRUT BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	7/8" DIA.
H3	GROUND STRUT BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD 5/8" ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	
J1	BCT CABLE	AASHTO M30 / ASTM A741 6 x 19 INDEPENDENT WIRE CORE (IWRC) IMPROVED PLOW STEEL (IPS), 6 x 19 INDEPENDENT WIRE CORE (IWRC) IMPROVED PLOW STEEL (IPS) TYPE II OR IIC, CLASS C ZINC COATED MIN. BREAKING STRENGTH OF 42.7 KIPS	**3/4" DIA.**
J2	BCT CABLE	UNC 1" ASTM A576 GRADE 1035 SWAGE FITTINGS ARE TO BE FACTORY SWEDGED. MIN BREAKING STRENGTH OF 42.7 KIPS ASME B30.26 "FORGED, CAST, OR DIE STAMPED WITH THE FOLLOWING IN TO CONNECTION: NAME OF MANUFACTURE OR TRADEMARK OF CONNECTION'S MANUFACTURER, SIZE OR RATED LOAD, GRADE FOR ALLOY EYEBOLTS."	
K1	CABLE ASSEMBLY NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1" DIA.
K2	CABLE ASSEMBLY WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1	1" DIA.
L1	BEARING PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	5/8" THICKNESS
L2	BEARING PLATE FLANGE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1" THICKNESS
M1	BEAM GUARD ANCHOR BRACKET	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	
M2	BEAM GUARD ANCHOR END PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/8" THICKNESS
N1	ANCHOR BRACKET BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	5/8" DIA.
N2	ANCHOR BRACKET BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	5/8" DIA.
N3	ANCHOR BRACKET BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 /ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
P1	FOUNDATION TUBE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 /ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1/2" DIA.
P2	FOUNDATION TUBE WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 7/8" ASTM F844 TYPE 1 (HARDENED WASHER ONLY)	1/2" DIA.
P3	FOUNDATION TUBE NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
Q1	SPLICE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	
Q2	SPLICE NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	5/8" DIA.

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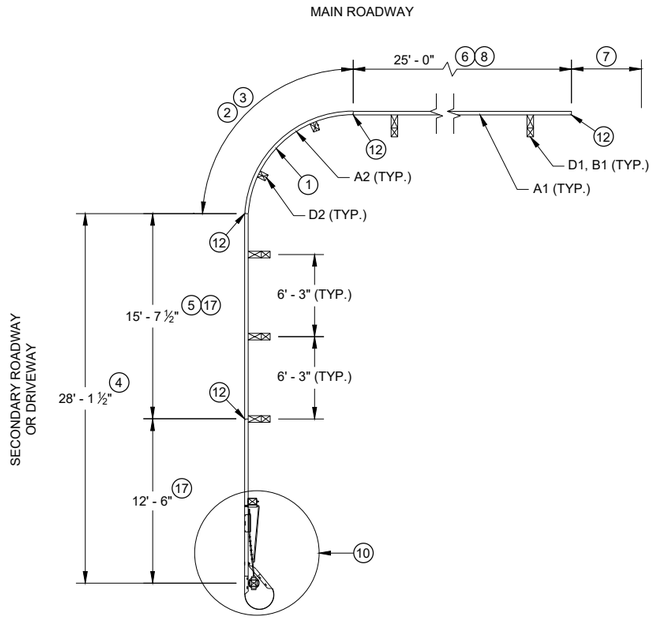
MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

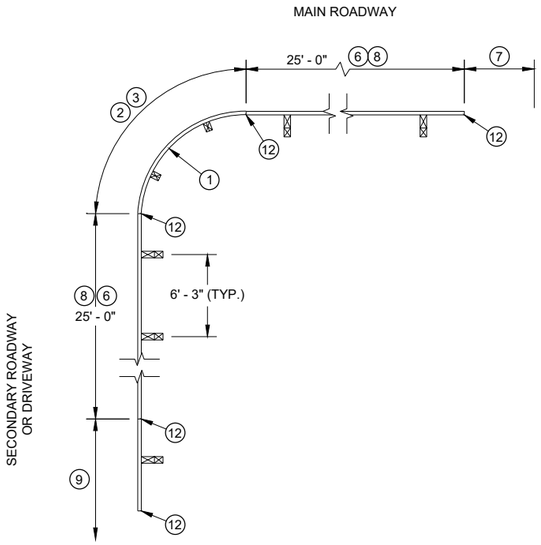
APPROVED
August 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA



PLAN VIEW

SHORT RADIUS BEAM GUARD WITH SHORT RADIUS TERMINAL ON SECONDARY ROAD OR DRIVEWAY

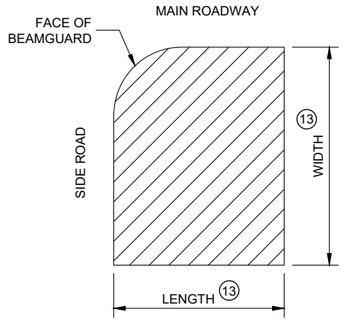


PLAN VIEW

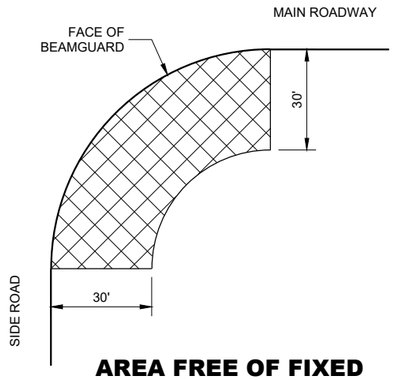
SHORT RADIUS BEAM GUARD WITH EAT, ADDITIONAL BEAM GUARD OR TRANSITION TO RIGID BARRIER ON SECONDARY ROAD OR DRIVEWAY

TABLE FOR RADIUS OF 32' AND LESS

RADIUS (FT)	LENGTH (FT)	WIDTH (FT)
8	25	15
16	30	15
24	40	20
32	50	30



AREA FREE OF FIXED OBJECTS FOR RADIUS 32' AND LESS 16



AREA FREE OF FIXED OBJECTS FOR RADIUS GREATER THAN 32'

GENERAL NOTES

SEE PLANS FOR OTHER BARRIER SYSTEM AND LOCATION SPECIFICS.

SEE SDD 14B42 FOR MORE INFORMATION ON BEAM GUARD INSTALLATION, PARTS, MATERIALS, AND INSTALLATION INFORMATION.

GALVANIZE PARTS AFTER FABRICATION.

WELDING TO FOLLOW CURRENT REQUIREMENTS OF THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE ANSI / AWS D1.1.

UNLESS NOTED OTHERWISE, ALL PLATES ARE FLAT AND FREE OF WARP.

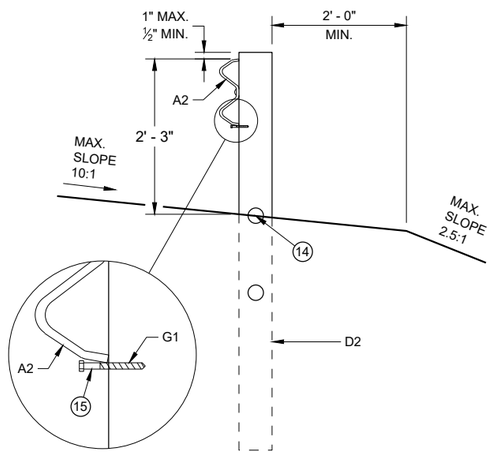
UNLESS NOTED OTHERWISE, ALL EDGES ARE SMOOTH, STRAIGHT AND VERTICAL.

ALL CUTS AND HOLES, EXCEPT IN BEAM GUARD RAIL ARE TO BE MACHINED OR MACHINE FLAME CUT.

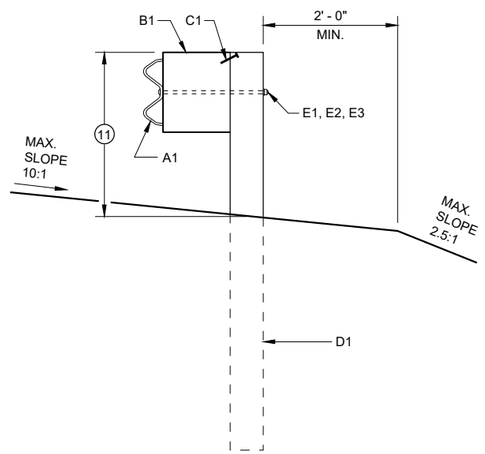
UNLESS NOTED OTHERWISE, CUT OR PROVIDE BOLTS THAT ARE ¼" TO ½" BEYOND THE NUT.

DRAWINGS ARE NOT TO SCALE.

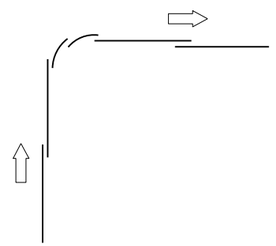
1. RADIUS MEASURE FROM INSIDE OF RAIL. LENGTH OF BEAM GUARD SHORT RADIUS GUARD MEASURED ALONG TRAFFIC SIDE OF RAIL. RADIUS BETWEEN 8 FEET TO 150 FEET. SEE PLAN FOR REQUIRED RADIUS. BEAM GUARD RAIL IN RADIUS IS SHOP BENT. ODD RAIL LENGTH OR FIELD CUTS MAY BE REQUIRED.
2. CONTROLLED RELEASE TERMINAL (CRT) POSTS ARE USED IN THE RADIUS. CONTROLLED RELEASE TERMINAL (CRT) POSTS ARE SPACED 6' - 3". SEE PLAN FOR NUMBER OF CONTROLLED RELEASE (CRT) POSTS.
3. WITHIN RADIUS BEAM GUARD RAILS ARE NOT BOLTED TO POSTS. BEAM GUARD RAIL IS RESTED ON TOP OF LAG SCREW.
4. MINIMUM LENGTH OF BEAM GUARD ALONG SIDE ROAD OR DRIVEWAY TO INSTALL SHORT RADIUS TERMINAL. BEAM GUARD IS PAID WITH BEAM GUARD ITEM.
5. ODD LENGTH OF BEAM GUARD REQUIRED TO INSTALL SHORT RADIUS TERMINAL.
6. MINIMUM AMOUNT OF BEAM GUARD TO BE INSTALLED PRIOR TO TRANSITION TO RIGID BARRIER. ADDITIONAL BEAM GUARD, OR EAT. BEAM GUARD PAID FOR WITH BEAM GUARD ITEM. SEE PLANS FOR MORE DETAIL.
7. BEAM GUARD, EAT, OR TRANSITION TO RIGID BARRIER. SEE PLAN.
8. TOP OF BEAM GUARD BY THE RADIUS IS 27". HEIGHT OF BEAM GUARD IS 31" BY TRANSITION TO RIGID BARRIER, ADDITIONAL BEAM GUARD OR EAT.
9. ADDITIONAL BEAM GUARD, EAT OR TRANSITION TO RIGID BARRIER. BEAM GUARD SHOWN. SEE PLAN FOR DETAILS.
10. SHORT RADIUS TERMINAL (SEE OTHER DETAILS).
11. HEIGHT VARIES. SEE NOTE 8 AND 8 .
12. BEAM GUARD RAIL SPLICE LOCATION. SPLICE LOCATION REQUIRES PART F1 AND F2. SEE SDD 14B42 FOR DETAILS.
13. SEE TABLE FOR VALUES.
14. MAXIMUM HEIGHT FOR CENTER OF HOLE IS ¾" ABOVE FINISHED GROUND ±1".
15. DRILL POST $^{15}/_{64}$" DIA. PILOT HOLE. DO NOT HAMMER LAG SCREW INTO POST.
16. SMALL SIGNS ON BREAKAWAY HARDWARE ARE ACCEPTABLE.
17. TOP OF RAIL HEIGHT IS 27" WHEN USING A SHORT RADIUS TERMINAL (CRT).



CONTROLLED RELEASE TERMINAL POST (CRT) IN RADIUS



BEAM GUARD POSTS IN HEIGHT TRANSITION



LAP SPLICE DETAIL

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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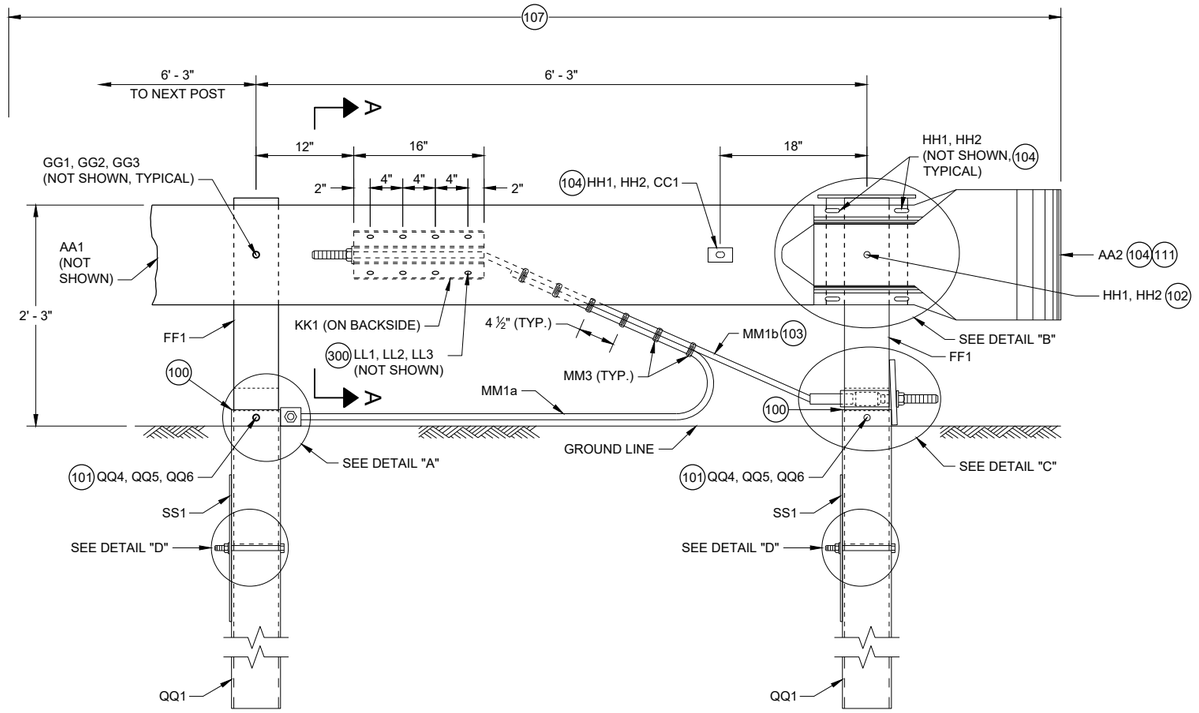
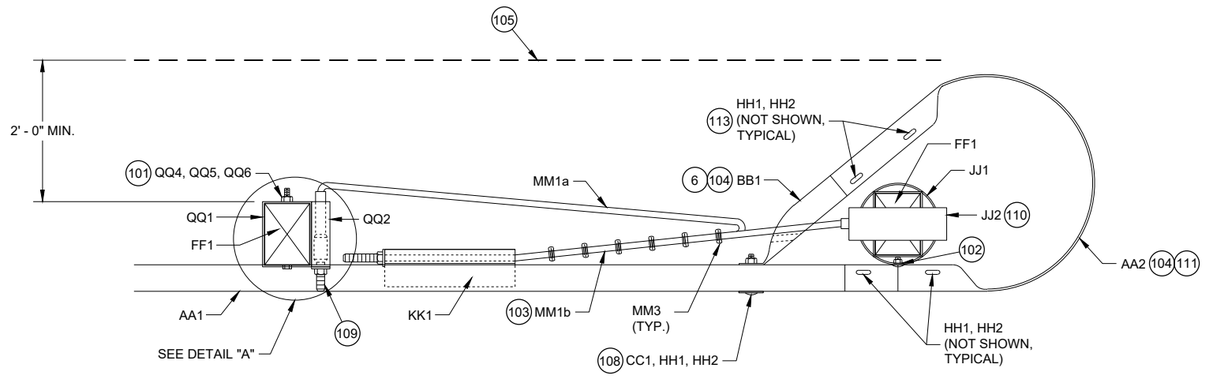


PROFILE VIEW

SHORT RADIUS TERMINAL



TOP VIEW

SHORT RADIUS TERMINAL

GENERAL NOTES

100 TOP OF FOUNDATION TUBE 2 INCHES MAXIMUM ABOVE FINISHED GROUND.

101 WASHERS REQUIRED BETWEEN BOLT HEAD AND FOUNDATION TUBE AND BETWEEN NUT AND FOUNDATION TUBE.

102 SPLICE BOLT AND NUT CONNECTS BEAM GUARD RAIL, W-BEAM SECTION BUFFER, AND STEEL PIPE ASSEMBLY. NO WASHER REQUIRED. SEE DETAIL "B".

103 CABLE IS TAUT.

104 ADJUST AA2 AND BB1 TO FIT.

105 BREAK POINT OF SHOULDER.

106 TACK WELD CABLE CONNECTOR TUBE PLATE TO CABLE CONNECTION TUBE. SEE DETAIL "A" PROFILE VIEW.

107 PAY LIMIT FOR BEAM GUARD.

108 SQUARE WASHER BETWEEN HEAD OF BOLT AND TRAFFIC FACE OF BEAM GUARD. ROUND WASHER REQUIRED BETWEEN NUT AND BB1.

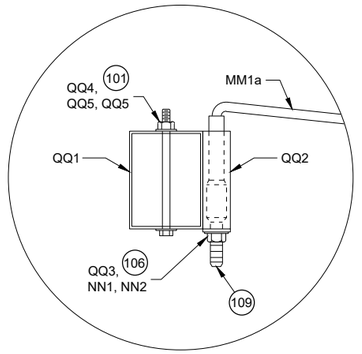
109 CUT OR PROVIDE THREADED STUD THAT IS FLUSH WITH FACE OF BEAM GUARD RAIL KK1 (PLUS OR MINUS ½" TOLERANCE). DEBURR AFTER CUTTING.

110 SEE STEEL PIPE ASSEMBLY DETAILS.

111 ATTACH UU2 WITH UU3. SHOP APPLY UU1 TO UU2.

112 FOUR (4) HH1 AND HH2 REQUIRED TO ATTACH AA1 TO AA2.

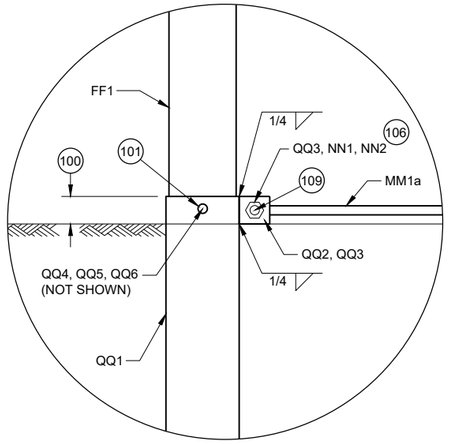
113 FOUR (4) HH1 AND HH2 REQUIRED TO ATTACH AA2 TO BB1.



TOP VIEW

DETAIL "A"

(WOOD BREAKAWAY AND BEAM GUARD RAIL POSTS NOT SHOWN)



PROFILE VIEW

DETAIL "A"

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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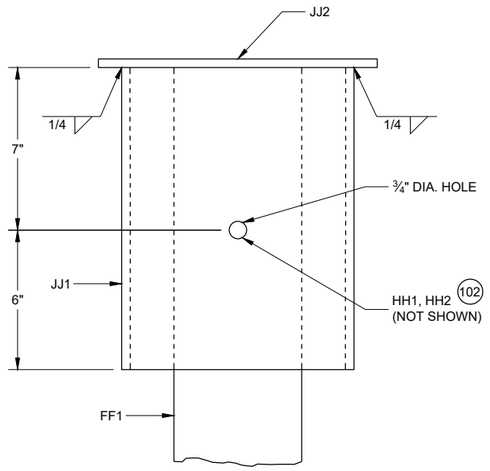
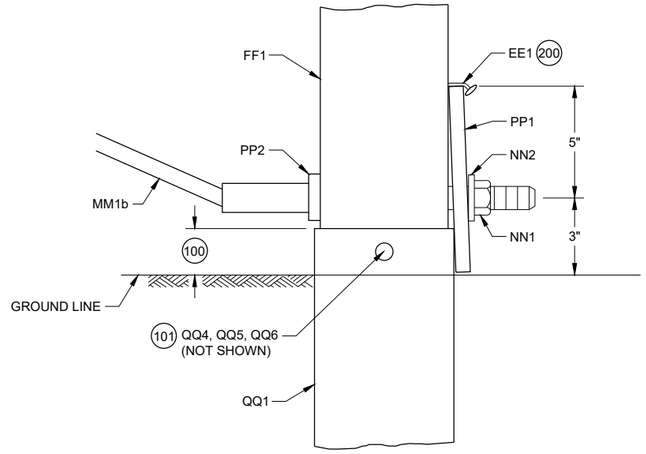
GENERAL NOTES

(200) TWO (2) NAILS SPACED 4 INCHES CENTER TO CENTER.



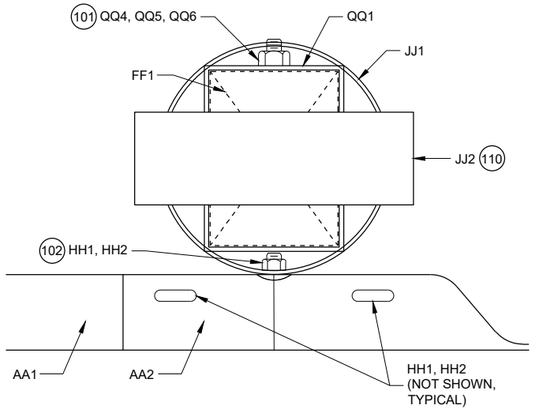
PROFILE VIEW

DETAIL "B"
STEEL PIPE ASSEMBLY
(BEAM GUARD AND W BEAM END SECTION NOT SHOWN)



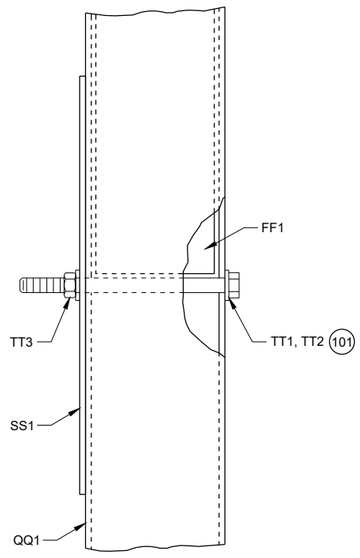
PROFILE VIEW

DETAIL "C"



PLAN VIEW

DETAIL "B"
STEEL PIPE ASSEMBLY



PROFILE VIEW

DETAIL "D"

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

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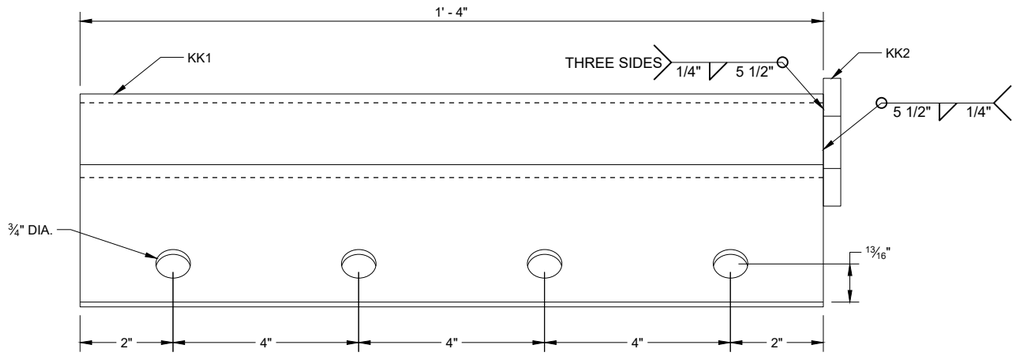
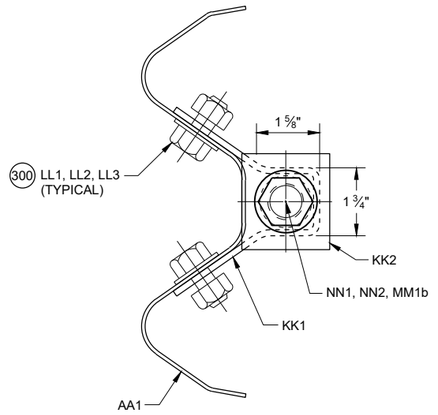
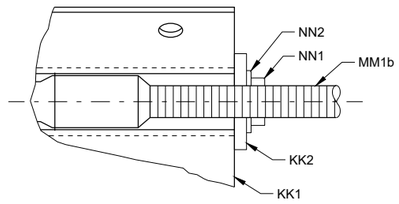
GENERAL NOTES

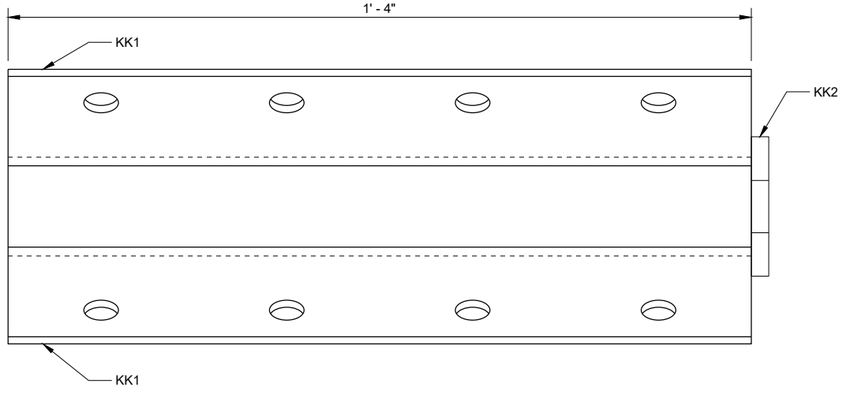
(300) WASHERS REQUIRED BETWEEN BOLT HEAD AND BEAM GUARD RAIL AND BETWEEN NUT AND ANCHOR BRACKET. EIGHT (8) LL1 AND LL3 REQUIRED. SIXTEEN (16) LL2 REQUIRED.

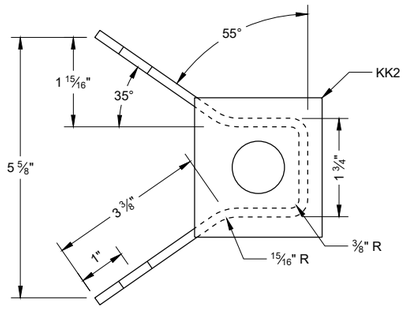




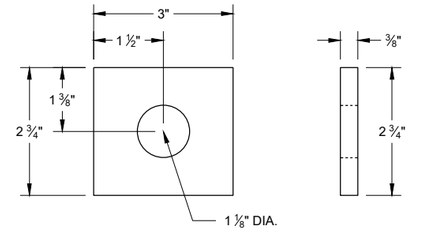


SECTION A - A





ANCHOR BRACKET (KK1, KK2)



ANCHOR BRACKET BEARING PLATE (KK2)

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SDD 14B53 - 01d

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
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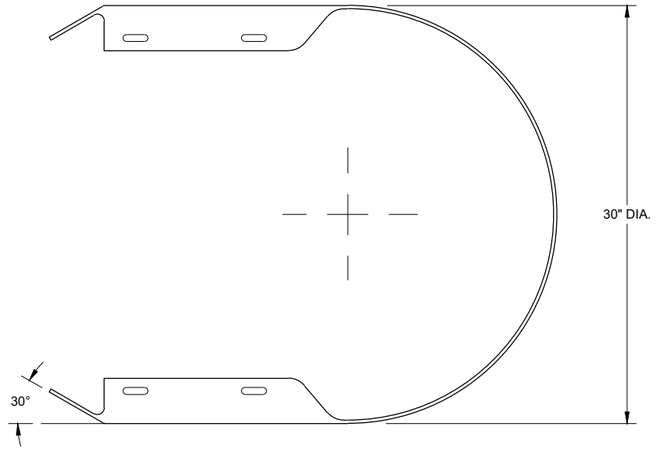
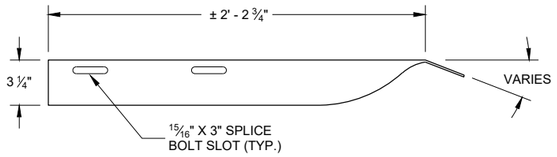
GENERAL NOTES

(400) CROSS SECTION OF PART IS TO FIT OVER AA1 .

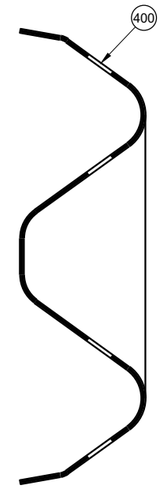
(401) CROSS SECTION OF PART IS TO FIT OVER OR UNDER AA1 .



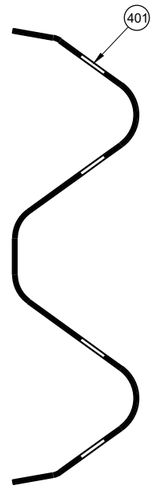
TOP VIEW



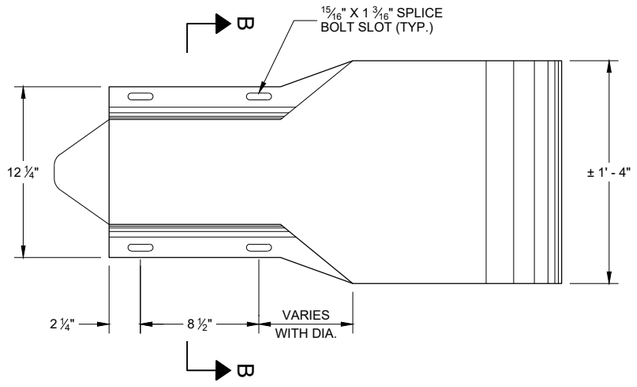
TOP VIEW



SECTION B -B

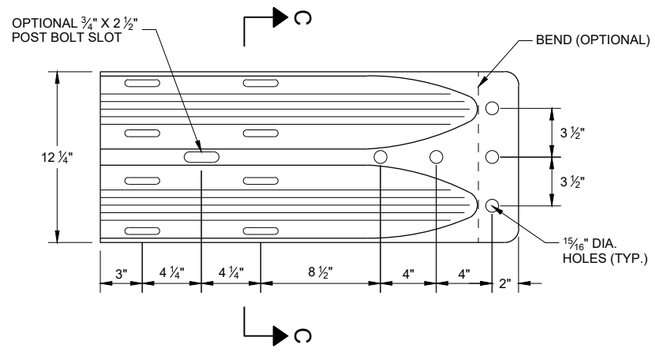


SECTION C -C



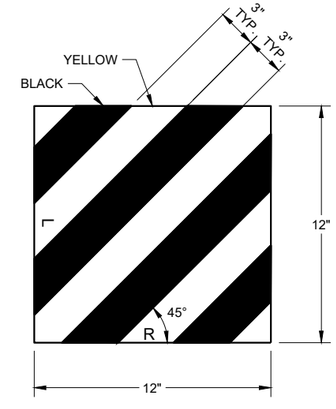
PROFILE VIEW

W BEAM
END SECTION BUFFER (AA2)



PROFILE VIEW

W BEAM
TERMINAL CONNECTOR (BB1)



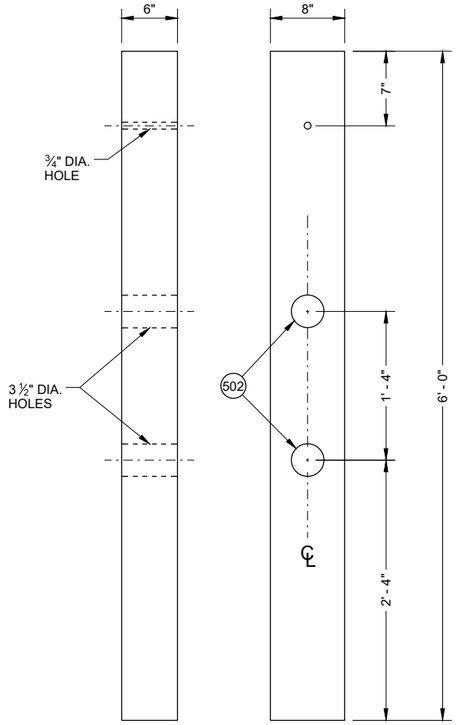
REFLECTIVE SHEETING (UU1, UU2)

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

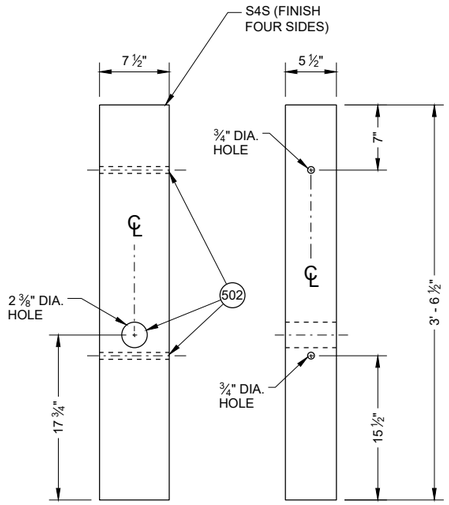
6

SDD 14B53 - 01e



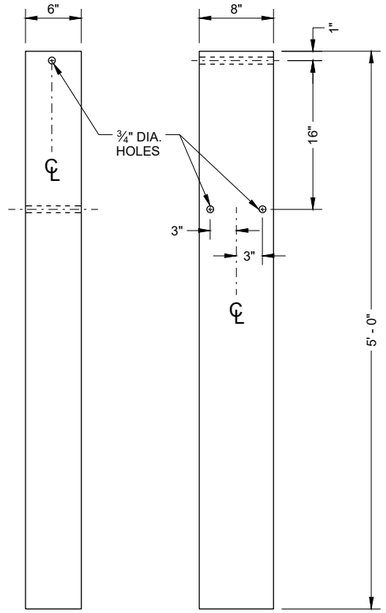
FRONT VIEW SIDE VIEW

CONTROLLED RELEASE POST (CRT) (DD2)



FRONT VIEW SIDE VIEW

WOOD BREAKAWAY POST (FF1)



FRONT VIEW SIDE VIEW

FOUNDATION TUBE (QQ1) (500)

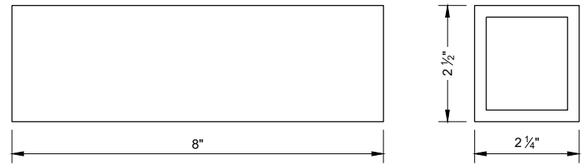
GENERAL NOTES

(500) SEE DETAIL "D" FOR LOCATION AND ATTACHMENT OF SS1.

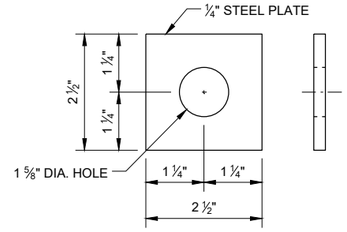
(501) FOR MM1a THREADED STUD ONLY REQUIRED ON ONE END. SWAGED FITTING REQUIRED.

(502) LOCATE HOLES ON THE CENTERLINE OF THE SIDE OF THE POST.

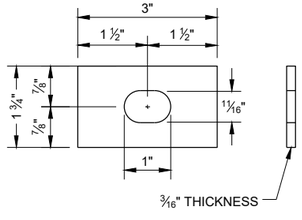
(503) MM1a MAY HAVE ONE THREADED STUD 4 INCHES LONG. SEE NOTE (109).



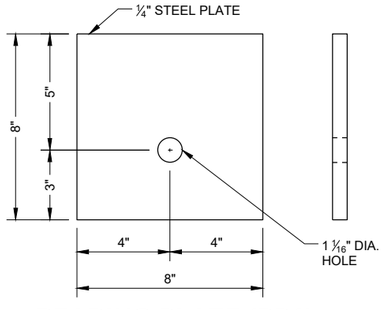
FOUNDATION TUBE - ANCHOR CABLE TUBE (QQ2)



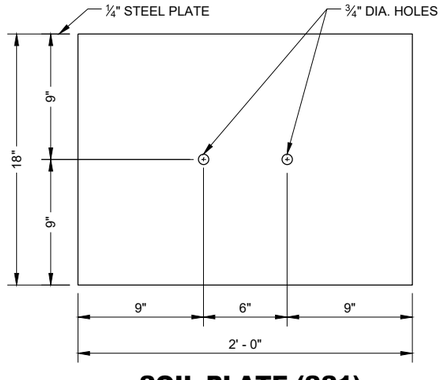
ANCHOR CABLE TUBE END PLATE (QQ3)



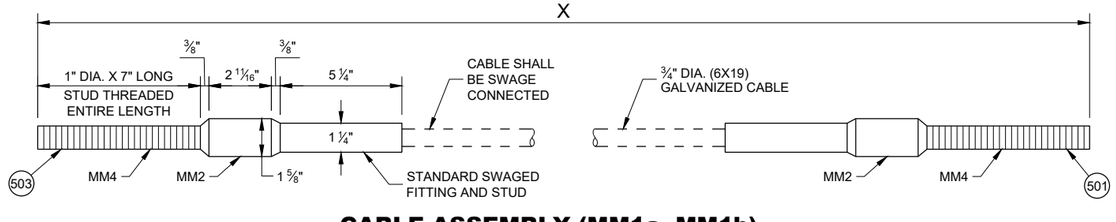
RECTANGULAR PLATE WASHER (CC1)



BEARING PLATE (PP1)



SOIL PLATE (SS1)



CABLE ASSEMBLY (MM1a, MM1b)

"X" LENGTH

MM1b	9' - 0"
MM1b	6' - 8"

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B53 - 01f

BILL OF MATERIALS - SHORT RADIUS BEAM GUARD (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	BEAM GUARD RAIL	AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
A2	BEAM GUARD RAIL - SHOP BENT	INDICATE ON BACK OF RAIL THE RADIUS THAT RAIL WAS BENT TO. SHOP BEND RADIUS IS TO THE NEAREST FOOT. FOLLOW AASHTO M180 ON HOW TO MARK RADIUS INFORMATION.	
		AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
B1	BLOCK - WOOD	WISDOT SPEC. 614	SEE SDD 14B42
C1	NAIL	ASTM A153 HOT DIP CLASS D	
		ASTM F1667 TYPE 1 STYLE 12 (16 DOUBLE HEAD)	
D1	POST-STRONG POST-WOOD	WISDOT SPEC. 614	SEE SDD 14B42
D2	POST-CRT-WOOD	WISDOT SPEC. 614	
E1	POST BOLT	ASTM A307 GRADE A OR SAE J429 GRADE 2	5/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		AASHTO M180	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
E2	POST BOLT - WASHER	ASTM F436 TYPE 1 (HARDEN TYPICALLY USED WITH STEEL) OR ASTM F844 (UNHARDENED TYPICALLY WITH WOOD)	5/8" DIA.
		GALV. AASHTO M111 / ASTM A 123 OR GALV. HOT DIP. TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	
E3	POST BOLT - NUT	AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	5/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		ASTM A563 GRADE A HEAVY HEX HEAD	
F1	SPLICE BOLT	GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	5/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		ASTM A307 GRADE A OR SAE J429 GRADE 2	
		UNC	
		AASHTO M180	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
F2	SPLICE BOLT - NUT	ASTM A563 GRADE A	5/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C/ASTM A153 CLASS C/ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1/ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
G1	LAG SCREW	ASTM A308 GRADE A ASTM A153 CLASS D	1/2" DIA. 6" LONG
H1	DELINEATOR - BEAM GUARD		SEE SDD 14B42 FOR MORE INFORMATION
H2	DELINEATION - SHEETING	YELLOW OR WHITE	
		WISDOT SPEC 637 TYPE SH	
		APPROVED PRODUCT LIST	
J1	FOUNDATION BACKFILL	STANDARD SPEC. 614	
AA1	BEAM GUARD RAIL - PUNCHED	AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
AA2	BEAM GUARD RAIL - END SECTION BUFFER	AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
BB1	BEAM GUARD RAIL - TERMINAL CONNECTOR MODIFIED	AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
CC1	SHORT RADIUS - SQUARE WASHER	AASHTO M180	
		GALV. AASHTO M111 / ASTM A123	
EE1	NAIL	ASTM A153 HOT DIP CLASS D	
		ASTM F1667 TYPE 1 STYLE 12 (16 DOUBLE HEADED)	
FF1	POST - BCT - WOOD	S4S FINISH ON 4 SIDES	
		WISDOT SPEC. 614	
GG1	POST BOLT	ASTM A307 GRADE A OR SAE J429 GRADE 2	3/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		AASHTO M180	
		GALV. HOT DIP TO AASHTO M232 CLASS C/ASTM A153 CLASS C/ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1/ASTM B695 CLASS 50, TYPE 1	
		UNC	
GG2	POST BOLT - WASHER	ASTM F436 TYPE 1 (HARDEN TYPICALLY USED WITH STEEL) OR ASTM F844 (UNHARDENED TYPICALLY WITH WOOD)	3/8" DIA.
		GALV. AASHTO M111 / ASTM A 123 OR GALV. HOT DIP. TO AASHTO M232 CLASS C/ASTM A153 CLASS C / ASTM F2329	

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B53 - 01g

BILL OF MATERIALS - SHORT RADIUS BEAM GUARD (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
GG3	POST BOLT - NUT	ASTM A563 GRADE A	⅜" DIA. SEE 14B42 FOR GEOMETRY
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		ASTM A563 GRADE A HEAVY HEX HEAD	
HH1	SPLICE BOLT	GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	⅜" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		ASTM A307 GRADE A OR SAE J429 GRADE 2	
		UNC	
		AASHTO M180 HEAD GEOMETRY	
HH2	SPLICE BOLT - NUT	ASTM A563 GRADE A	⅜" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
JJ1	PIPE - STEEL	ASTM A53 GALVANIZED GRADE B SCHEDULE 40	10" O.D.
JJ2	TOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	DIMENSIONS ⅜" X 4" X 1' - 0"
		GALV. AASHTO M111 / ASTM A123	
KK1	ANCHOR BRACKET	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	
		GALV. AASHTO M111 / ASTM A123	
KK2	ANCHOR BRACKET - BEARING PLATE	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	
		GALV. AASHTO M111 / ASTM A123	
LL1	ANCHOR BRACKET - BOLT	ASTM A307 GRADE B HEAVY HEX HEAD OR SAE J429 GRADE 2 HEAVY HEX HEAD	⅝" DIA.
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
LL2	ANCHOR BRACKET - WASHER	ASTM F436 TYPE 1 (HARDEN WASHER ONLY)	⅝" DIA.
		GALV. AASHTO M111 / ASTM A123 OR GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	
LL3	ANCHOR BRACKET - NUT	ASTM A563 GRADE A	⅝" DIA.
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
MM1a	ANCHOR CABLE	AASHTO M30 / ASTM A741 INDEPENDENT WIRE CORE (IWRC) OR WIRE STRAND CORE (WCS), IMPROVED PLOW STEEL (IPS), 6X19, TYPE II OR IIc CLASS C ZINC COATED	
MM1b	ANCHOR CABLE	AASHTO M30 / ASTM A741 INDEPENDENT WIRE CORE (IWRC) OR WIRE STRAND CORE (WCS), IMPROVED PLOW STEEL (IPS), 6X19, TYPE II OR IIc CLASS C ZINC COATED	
MM2	ANCHOR CABLE - SWAGE FITTING	ASTM A576 GRADE 1035	
		SWAGE FITTINGS ARE TO BE FACTORY SWEDGED. WITH A BREAKING STRENGTH 40,000 LBS.	
		GALV. AASHTO M111 / ASTM A123	
		ASME B30.26 FORGED, CAST, OR DIE STAMPED WITH THE FOLLOWING INTO CONNECTION: NAME OF MANUFACTURER OR TRADEMARK OF CONNECTION'S MANUFACTURER, SIZE OR RATED LOAD, GRADE.	
MM3	WIRE ROPE CABLE CLAMPS	FF-C-450D TYPE 1 CLASS 1	¾"
		ASTM A153 HOT DIP CLASS D	
MM4	ANCHOR CABLE - SWAGE FITTING - STUD	ASTM F3125 GRADE A325 TYPE 1 OR SAE GRADE 5 OR ASTM A449 TYPE 1 HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
NN1	ANCHOR CABLE - NUT	ASTM A563 GRADE A	1" DIA.
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
NN2	ANCHOR CABLE - NUT - WASHER	ASTM F436 TYPE 1 (HARDEN WASHER ONLY)	1" DIA.
		GALV. AASHTO M111 / ASTM A123 OR GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

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SDD 14B53 - 01h

BILL OF MATERIALS - SHORT RADIUS BEAM GUARD (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
PP1	BEARING PLATE AT POST	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	
		GALV. AASHTO M111 / ASTM A123	
PP2	PIPE - STEEL	ASTM A53 GALVANIZED GRADE B SCHEDULE 40	2" DIA. x 6" LONG
QQ1	FOUNDATION TUBE	ASTM A500 GRADE B	8" X 6" X 3/16"
		GALV. AASHTO M111 / ASTM A123	
QQ2	SHORT RADIUS - FOUNDATION TUBE - ANCHOR CABLE - TUBE	ASTM A500 GRADE B	DIMENSIONS 2 1/2" X 2 1/4" X 1/4" X 8"
		GALV. AASHTO M111 / ASTM A123	
QQ3	SHORT RADIUS - SOIL TUBE - ANCHOR CABLE - TUBE - END PLATE	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	DIMENSIONS 2 1/2" X 2 1/2" X 1/4"
		GALV. AASHTO M111 / ASTM A123	
QQ4	GROUND STRUT AND YOKE - BOLT	GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	5/8 DIA.
		ASTM A307 GRADE B HEAVY HEX HEAD OR SAE J429 GRADE 2 HEAVY HEX HEAD	
		UNC	
QQ5	GROUND PLATE AND YOKE - WASHER	ASTM F436 TYPE 1 (HARDEN WASHER ONLY)	5/8 DIA.
		GALV. AASHTO M111 / ASTM A123 OR GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	
QQ6	GROUND STRUT AND YOKE - NUT	HEAVY HEX	5/8 DIA.
		UNC	
		ASTM A563 GRADE A	
		OVER TAPPED NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
SS1	SOIL PLATE	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	
		GALV. AASHTO M111 / A123	
TT1	SOIL PLATE - BOLT	ASTM A307 GRADE B HEAVY HEX HEAD OR SAE J429 GRADE 2 HEAVY HEX HEAD	5/8 DIA.
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
TT2	SOIL PLATE - WASHER	ASTM F436 TYPE 1 (HARDEN WASHER ONLY)	5/8 DIA.
		GALV. AASHTO M111 / ASTM A123 OR GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	
TT3	SOIL PLATE - NUT	GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	5/8 DIA.
UU1	OBJECT MARKER - SHEETING	MUTCD / WISDOT OBJECT MARKER TYPE 3	PATTERN AND COLOR FOR SHEETING. SHEETING TYPE FOR MARKER.
		WISDOT SPEC 637 TYPE F	
		APPROVED PRODUCT LIST	
UU2	OBJECT MARKER - ALUMINUM PLATE	WISDOT SPEC 637 ALUMINUM PLATE	MATERIAL AND THICKNESS OF MATERIALS
UU3	OBJECT MARKER - SCREWS	STAINLESS SELF-TAPPING SCREWS	
VV1	FOUNDATION BACKFILL	WISDOT SPEC 614	

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SDD 14B53 - 01i

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

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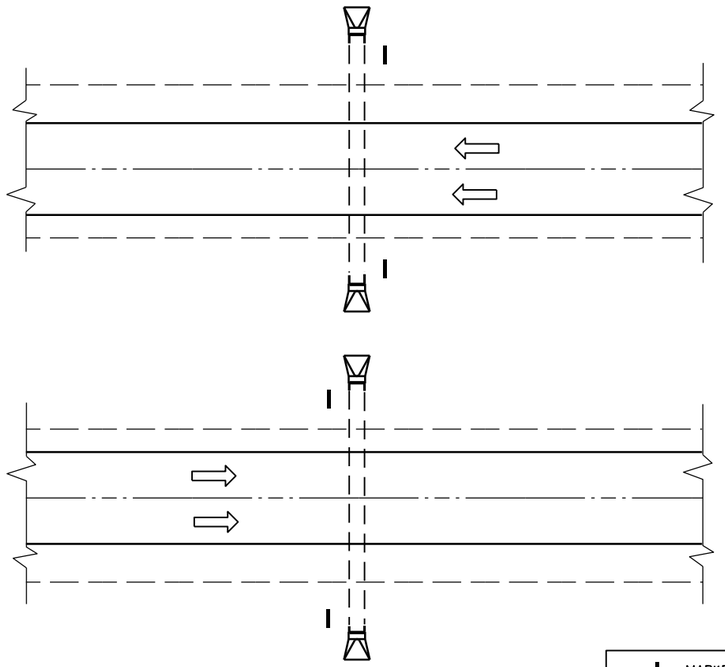
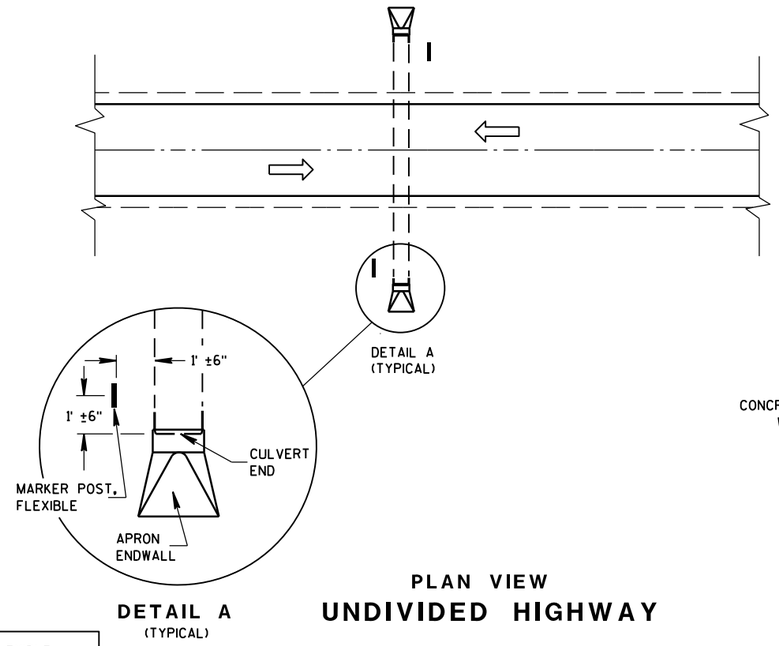
SDD 14B53 - 01i



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

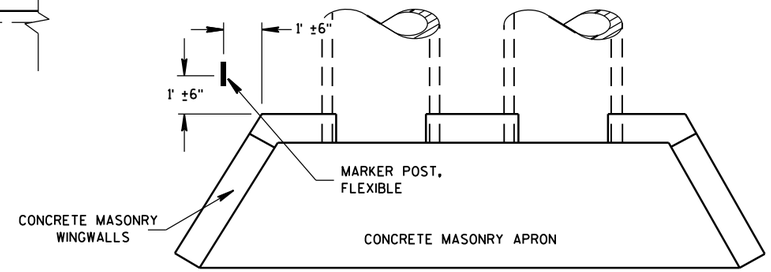
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

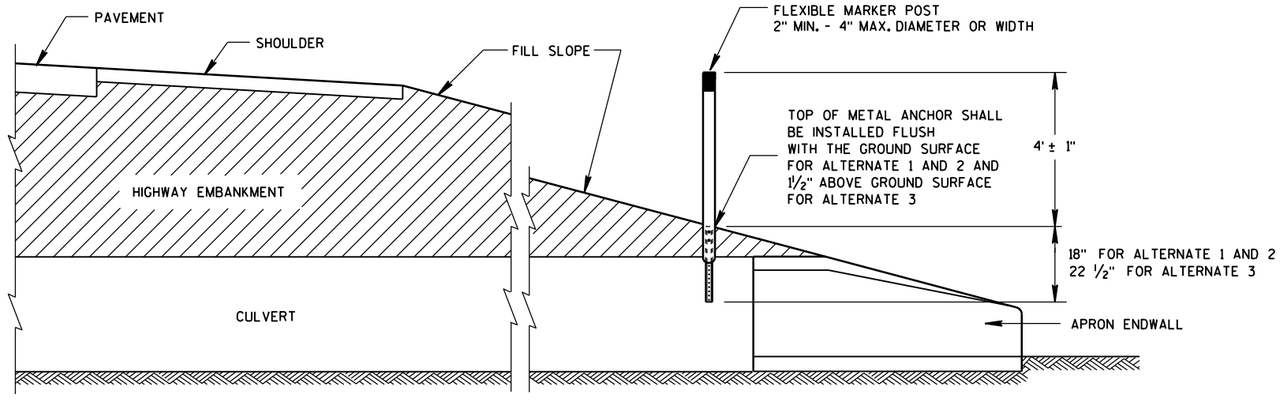
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 15 A 3-2a

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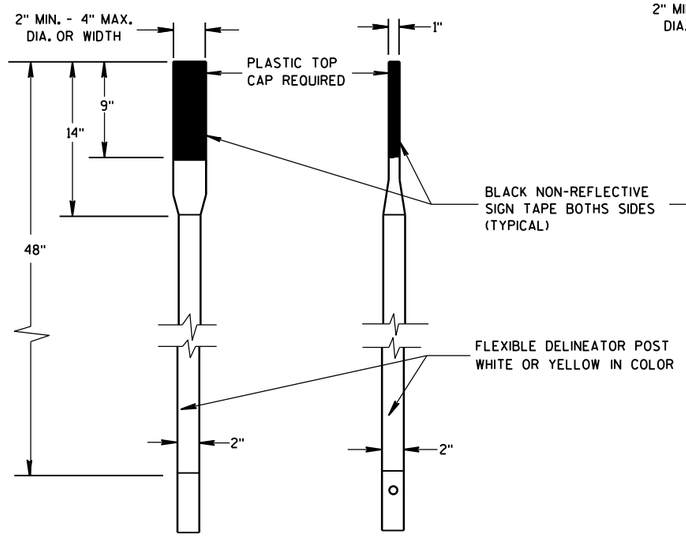
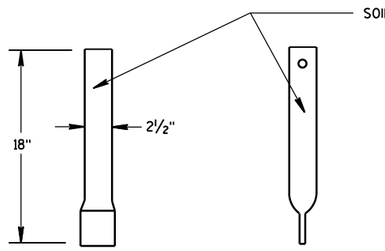
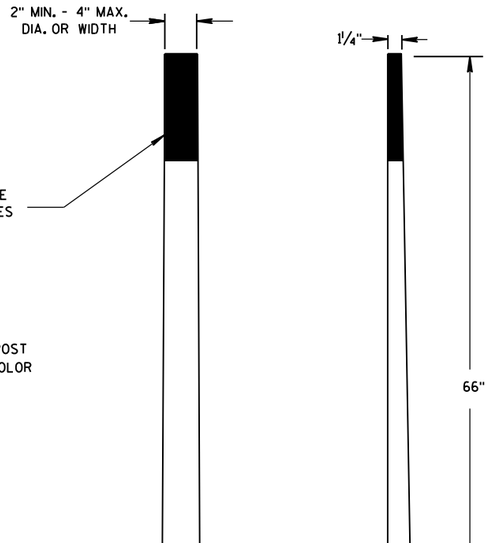
S.D.D. 15 A 3-2a





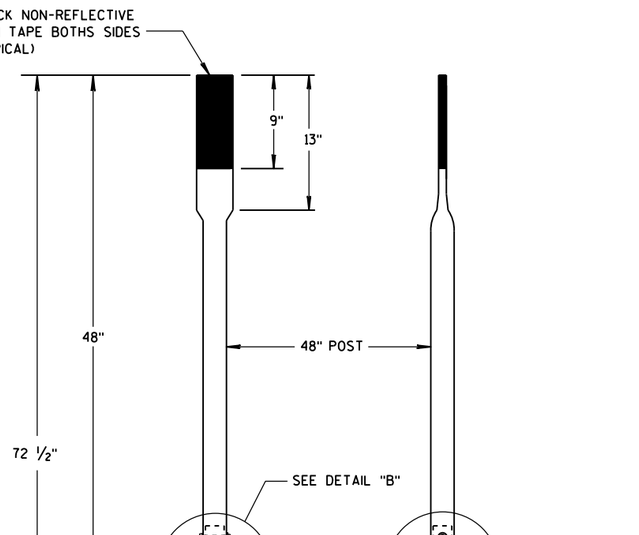
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

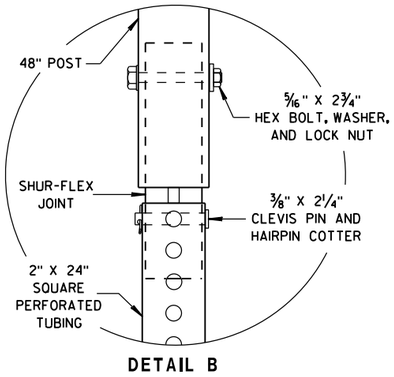
ALTERNATE 2



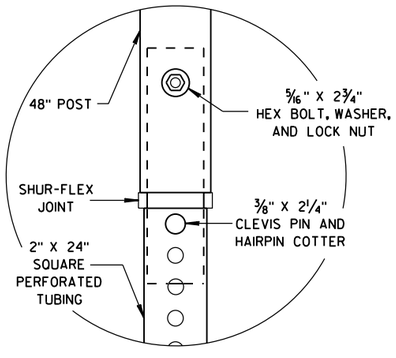
FRONT VIEW SIDE VIEW

ALTERNATE 3

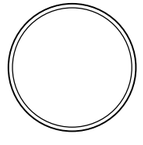
FLEXIBLE MARKER POSTS



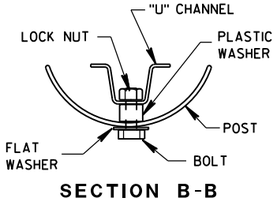
DETAIL B



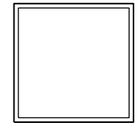
DETAIL C



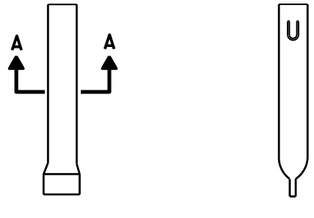
SECTION A-A



SECTION B-B

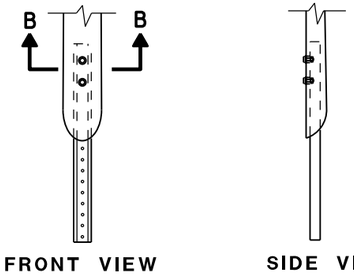


SECTION C-C



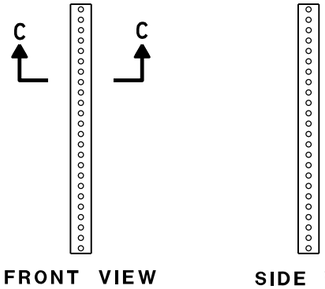
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2



FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

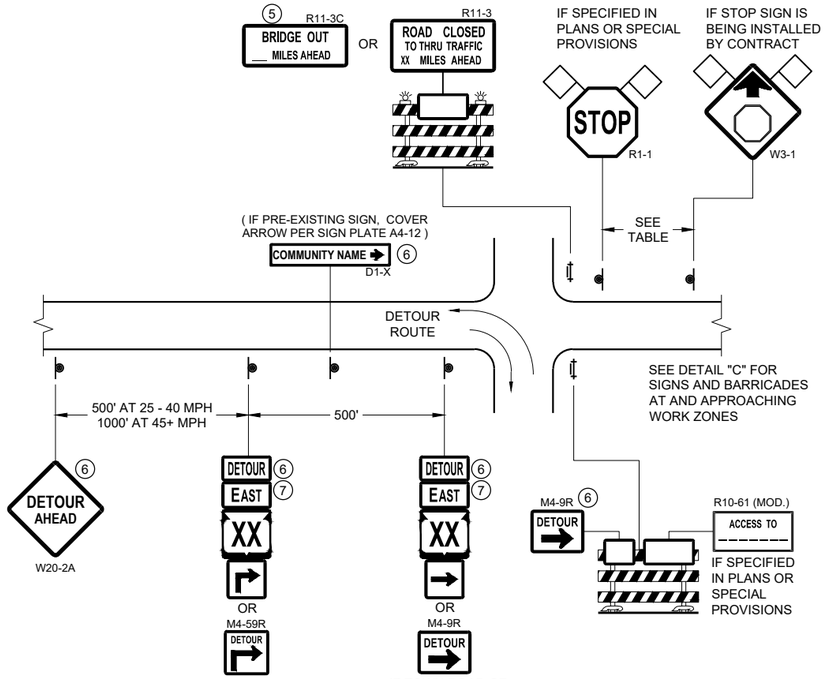
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

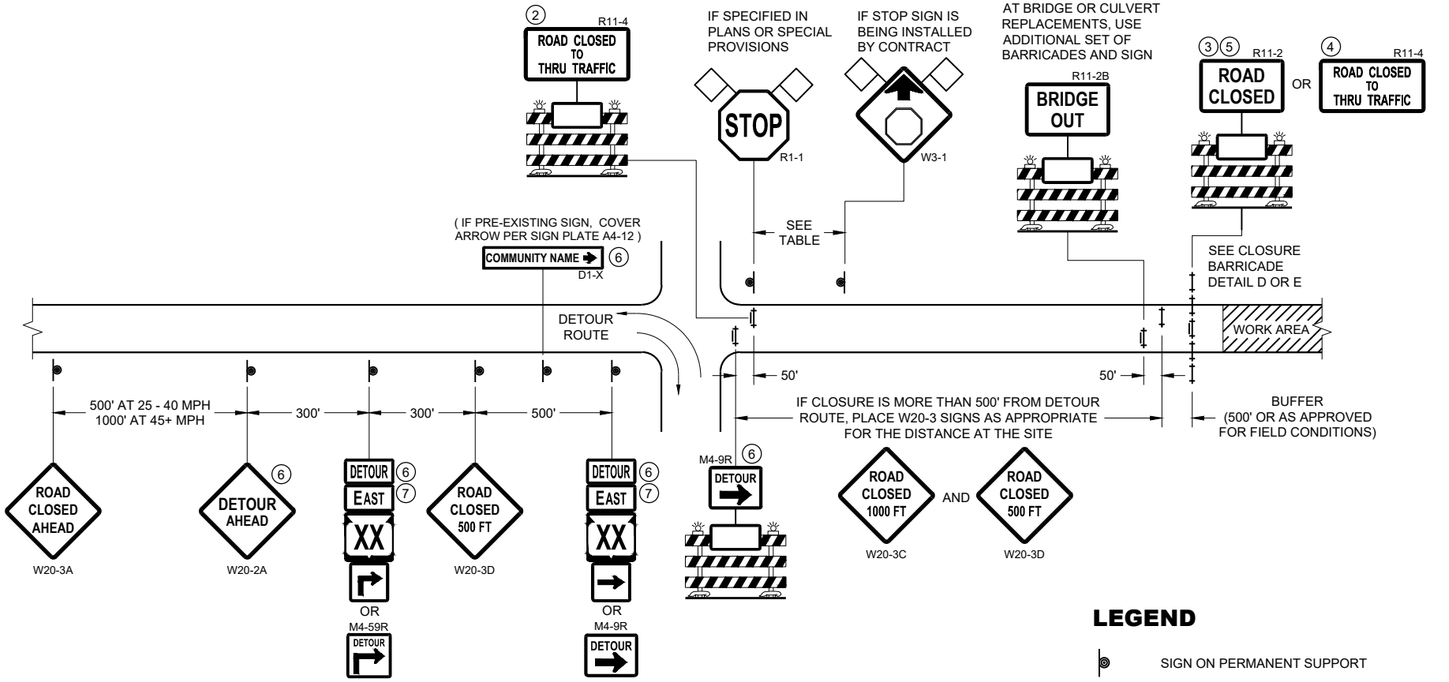
6

S.D.D. 15 A 3-2b

6

S.D.D. 15 A 3-2b





DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

LEGEND

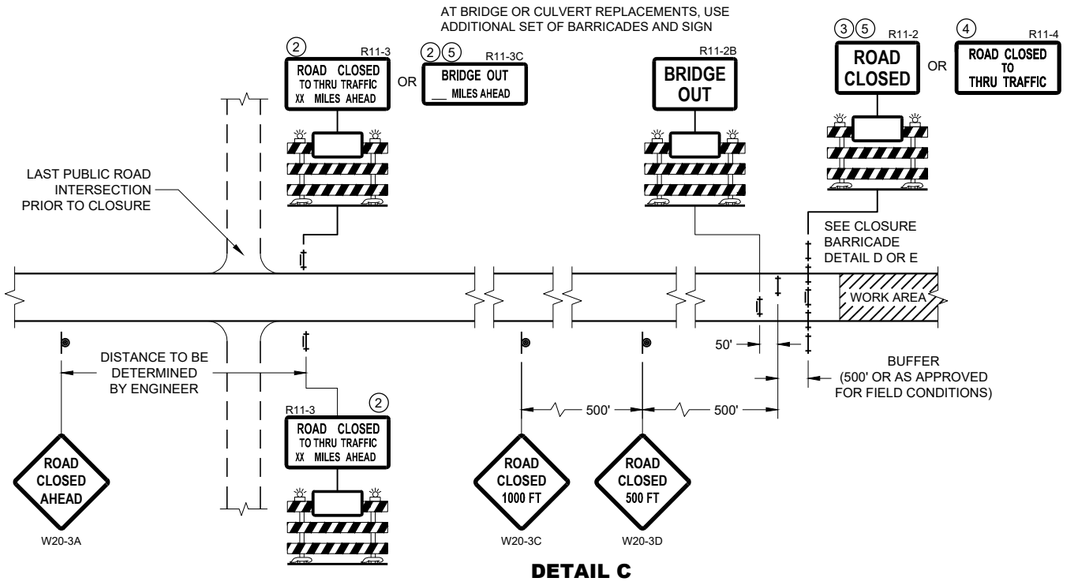
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

DETOUR M4 - 8

EAST M3 - X

XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A

M05 - 1 OR M06 - 1



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

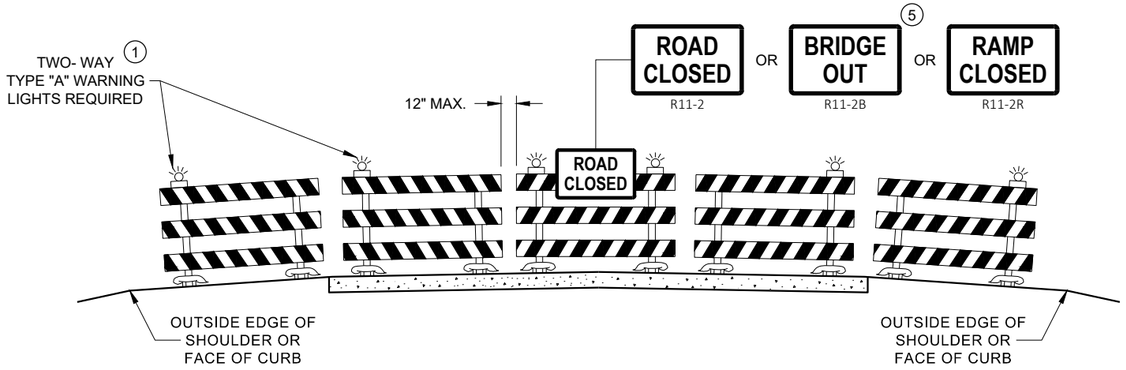
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

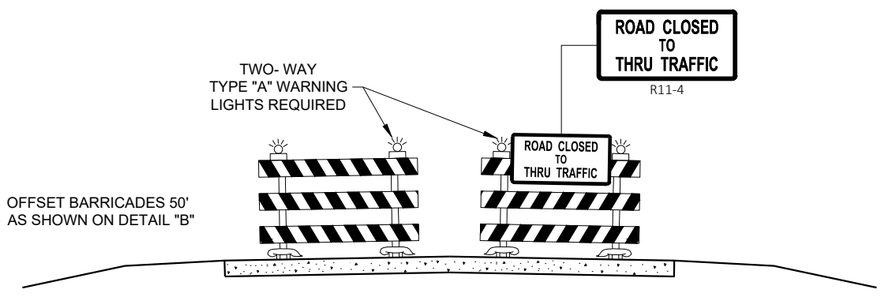
6

SDD 15C02 - 08a

SDD 15C02 - 08a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C02 - 08b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

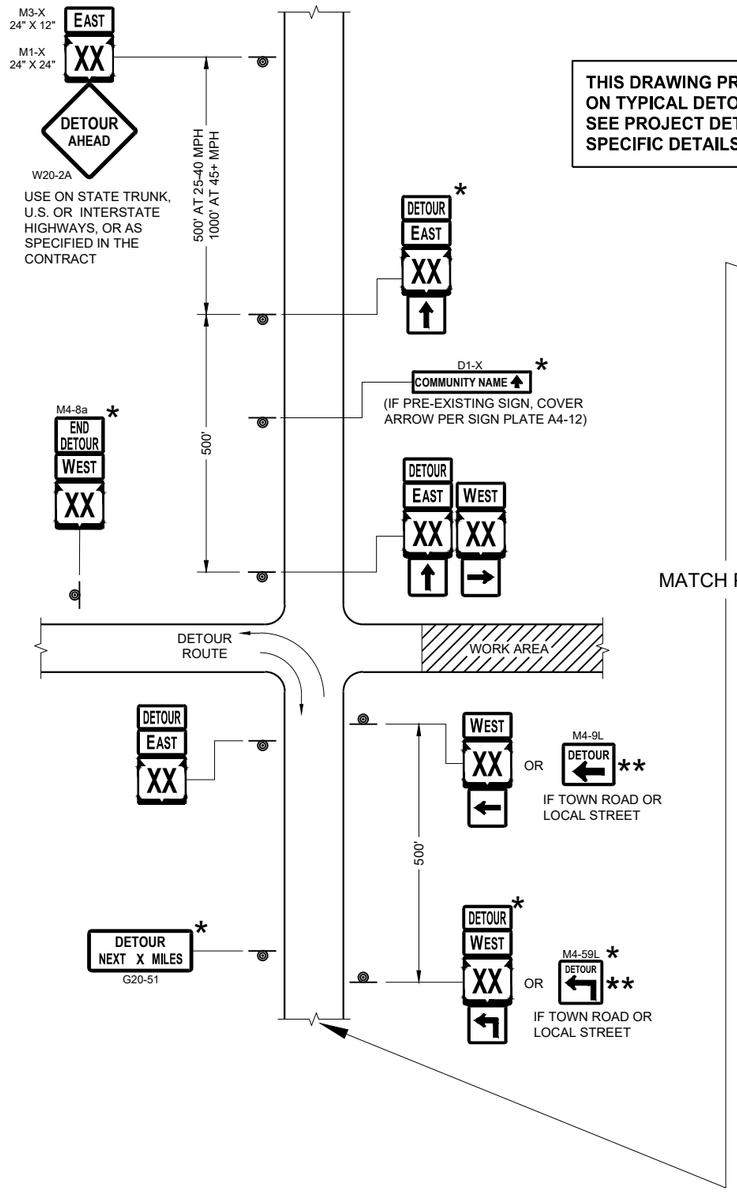
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

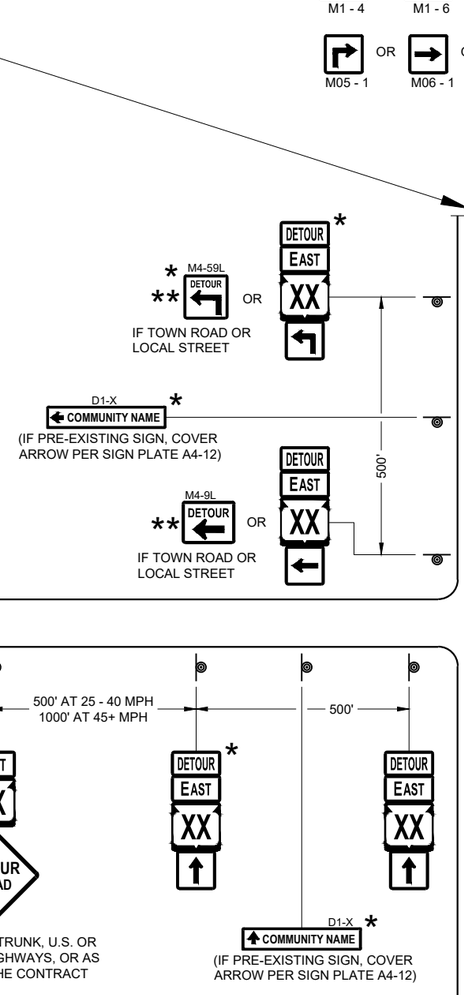
- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

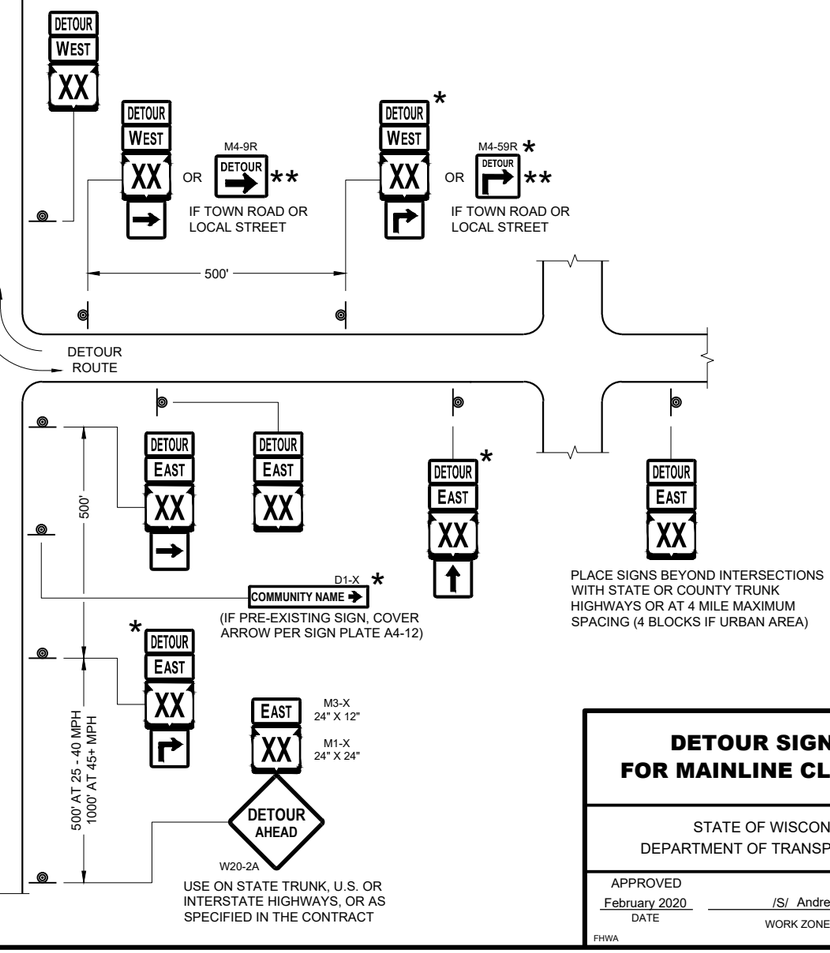
* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



MATCH POINT





SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

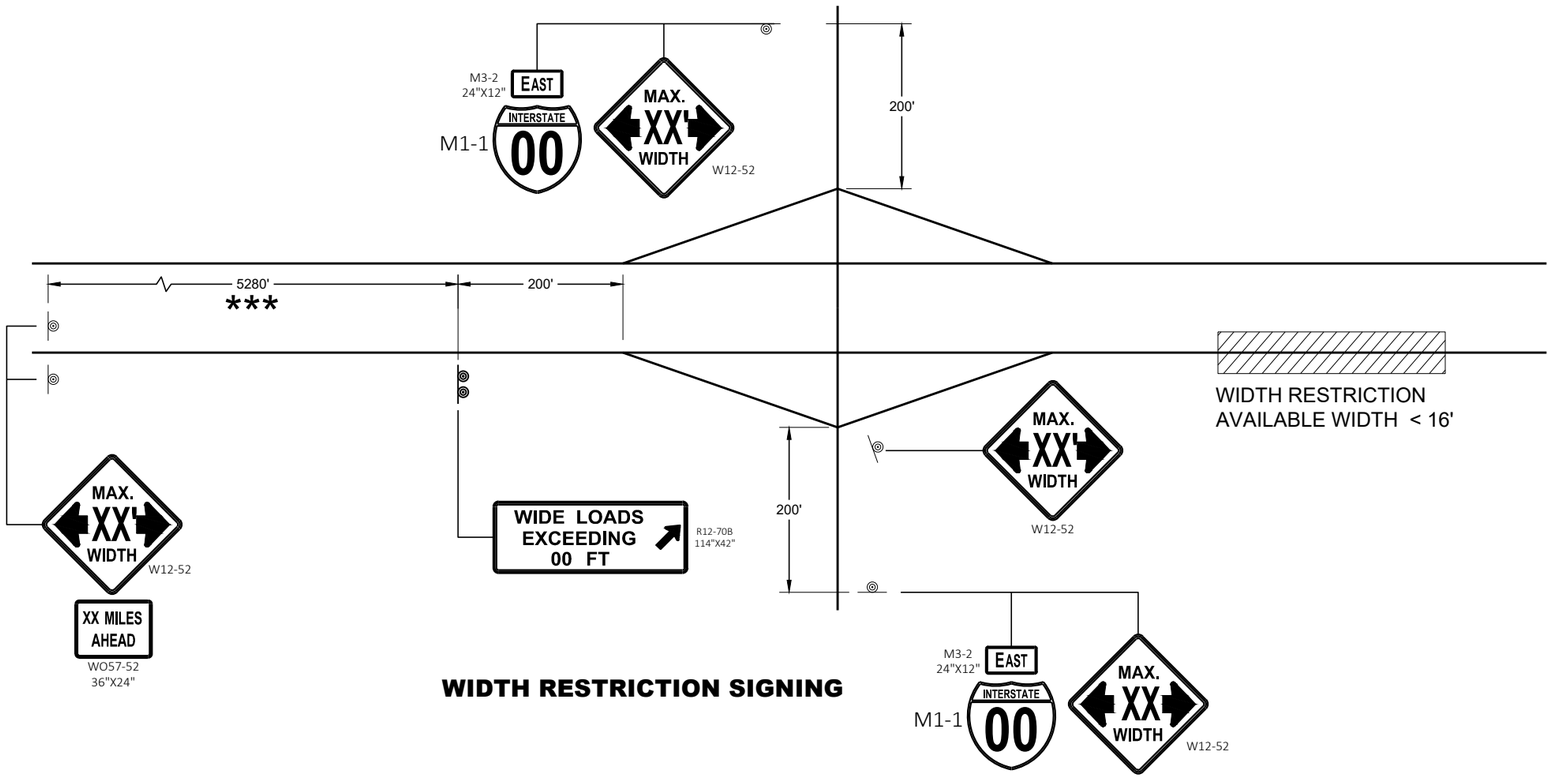
APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15C02 - 08c



WIDTH RESTRICTION SIGNING

LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL " IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

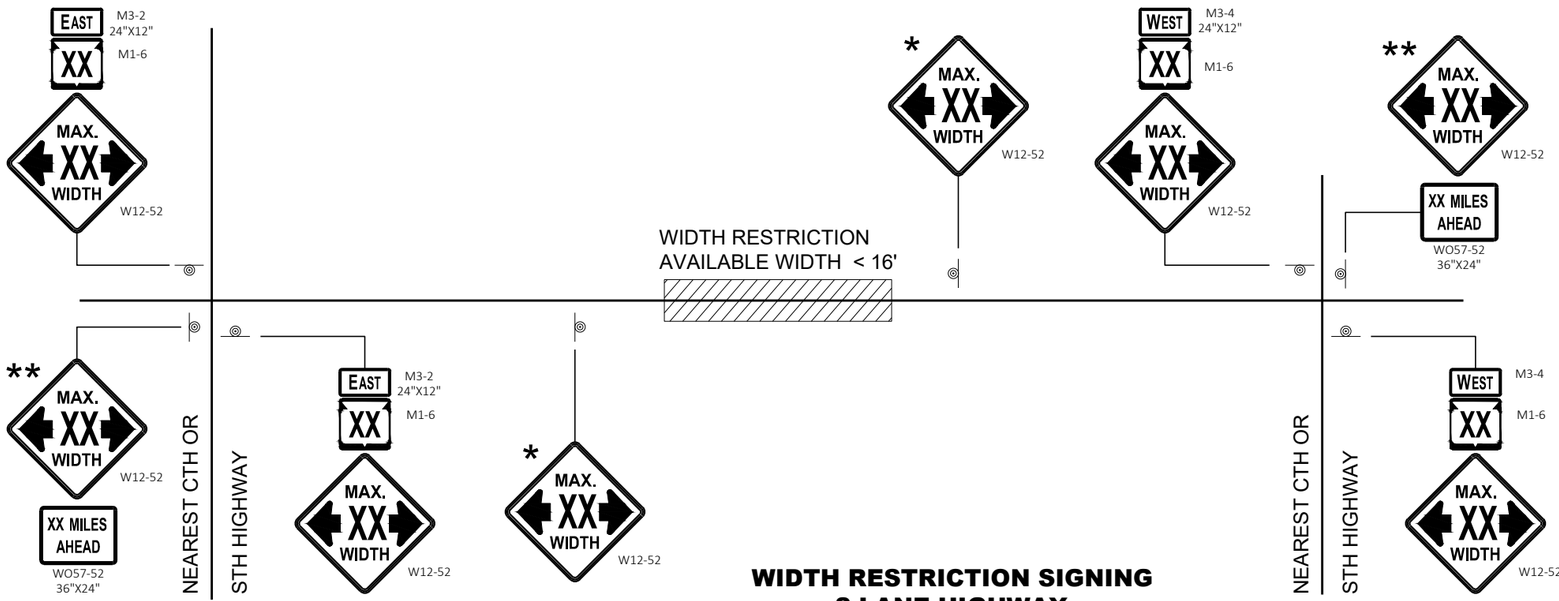
WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

* PLACE 500 FEET AFTER THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** SIGN SHALL BE VISIBLE FROM ROADWAY.

*** ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.

WIDTH ON SIGN TO BE APPROX. 1 - FOOT LESS THAN AVAILABLE WIDTH



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 406

FHWA

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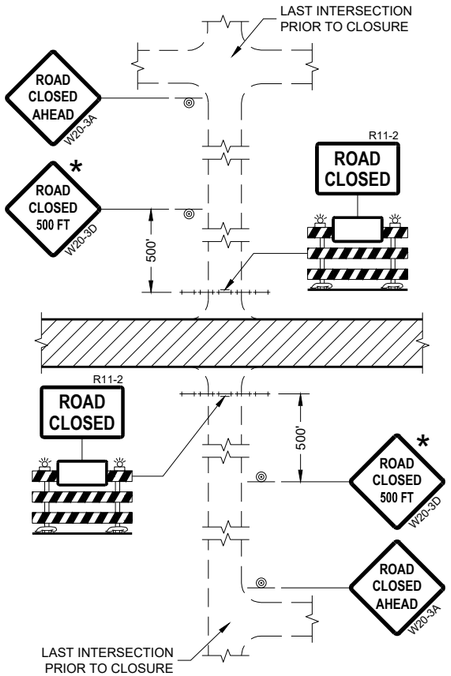
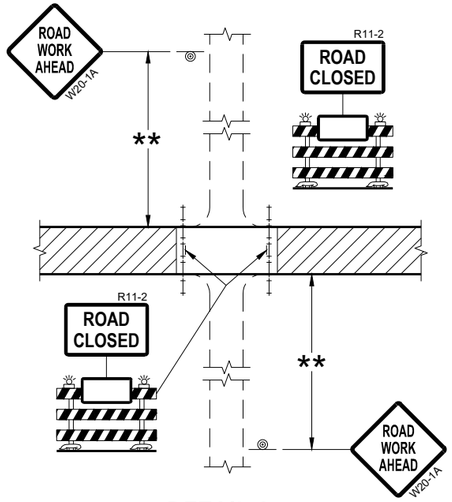
SDD 15C02 - 08f



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

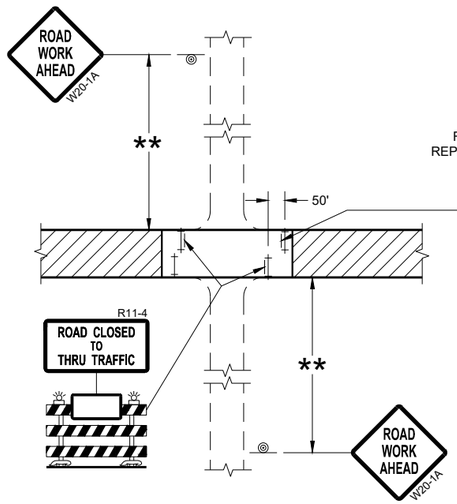
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

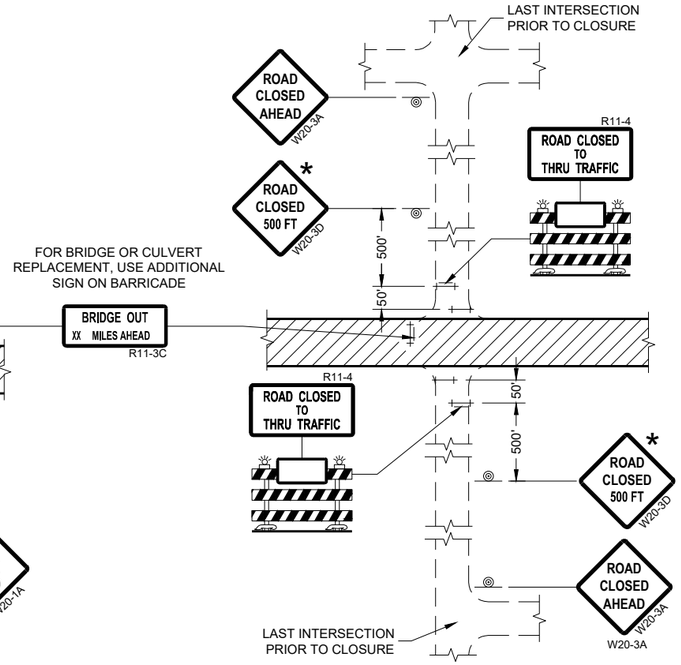
THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.





DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C03 - 05

SDD 15C03 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

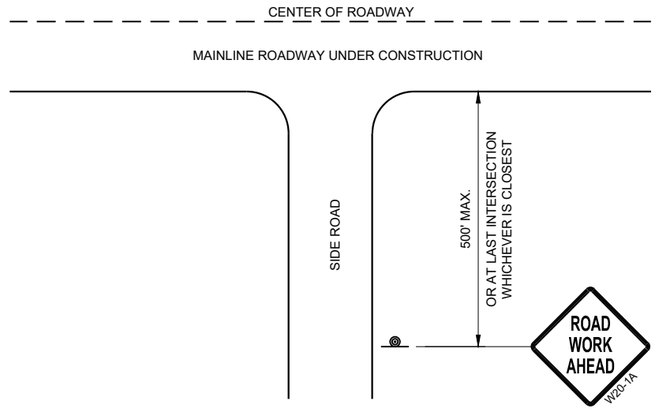
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



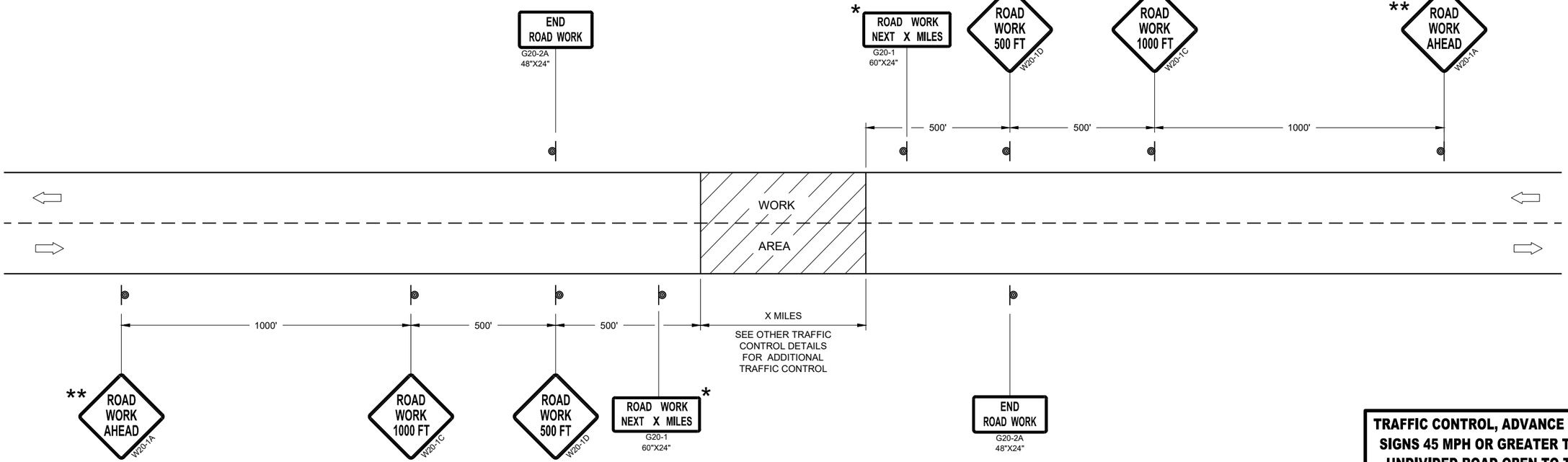
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C04 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

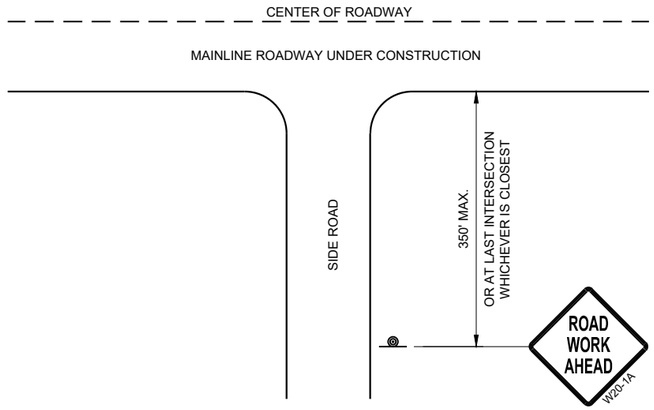
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

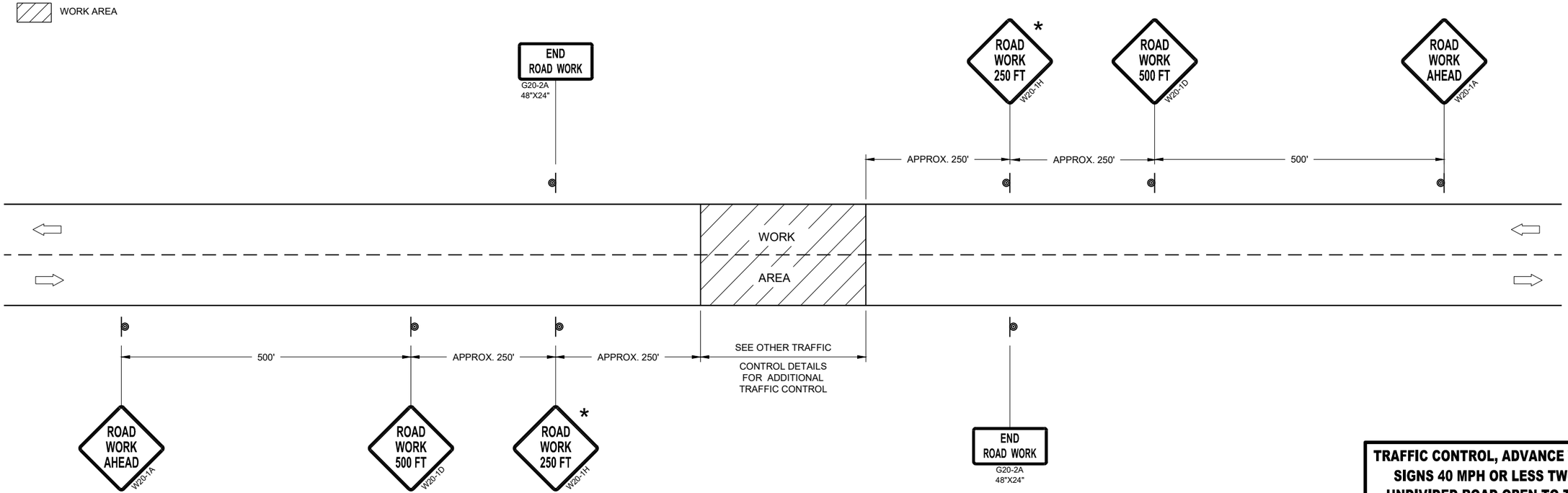
* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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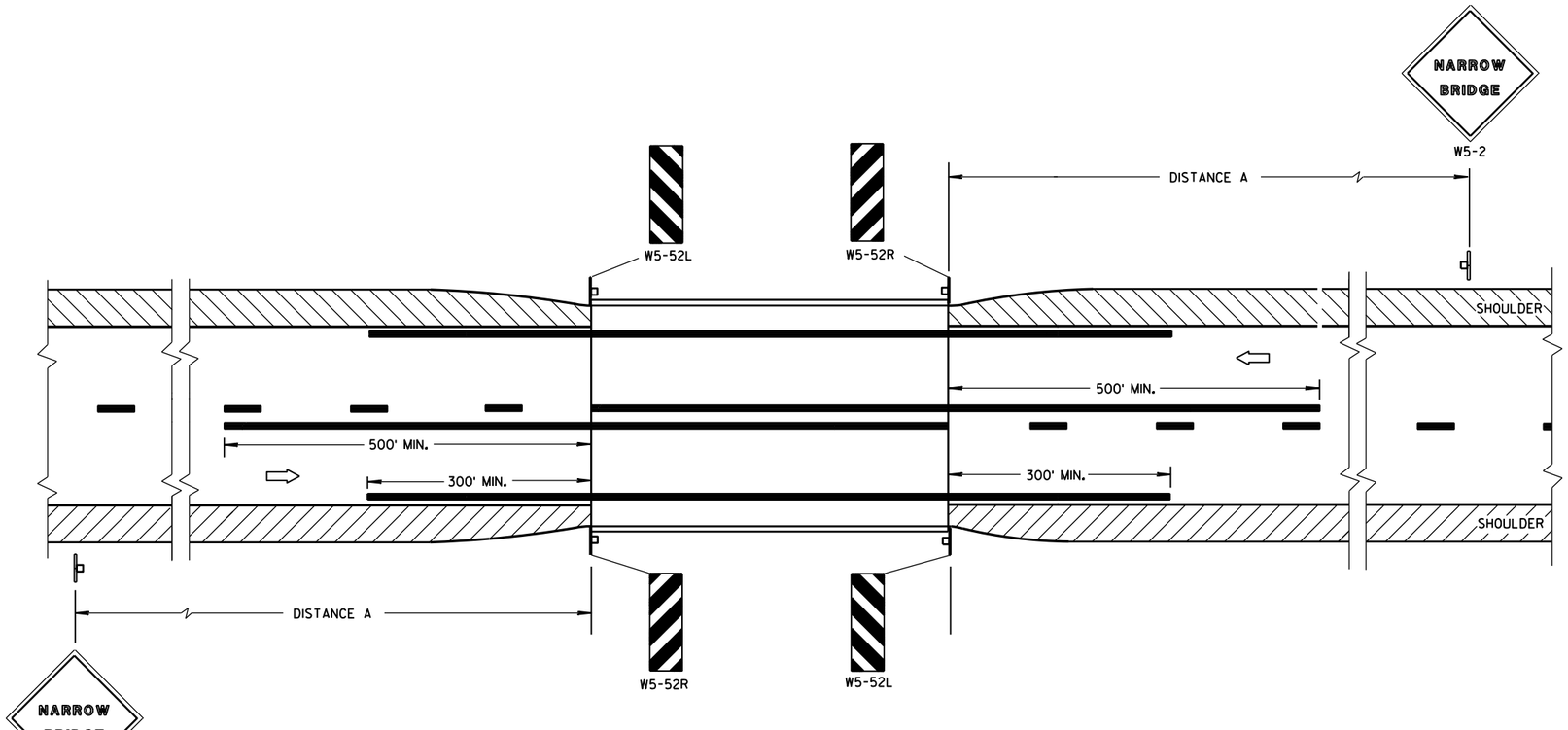
SDD 15C05 - 05



SITUATION 1

WARRANTING CRITERIA:
BRIDGE WIDTH IS AT LEAST 16 FEET BUT LESS THAN 24 FEET.

DISTANCE TABLE

POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
25	150'
30	200'
35	250'
40	300'
45	400'
50	550'
55	750'

GENERAL NOTES

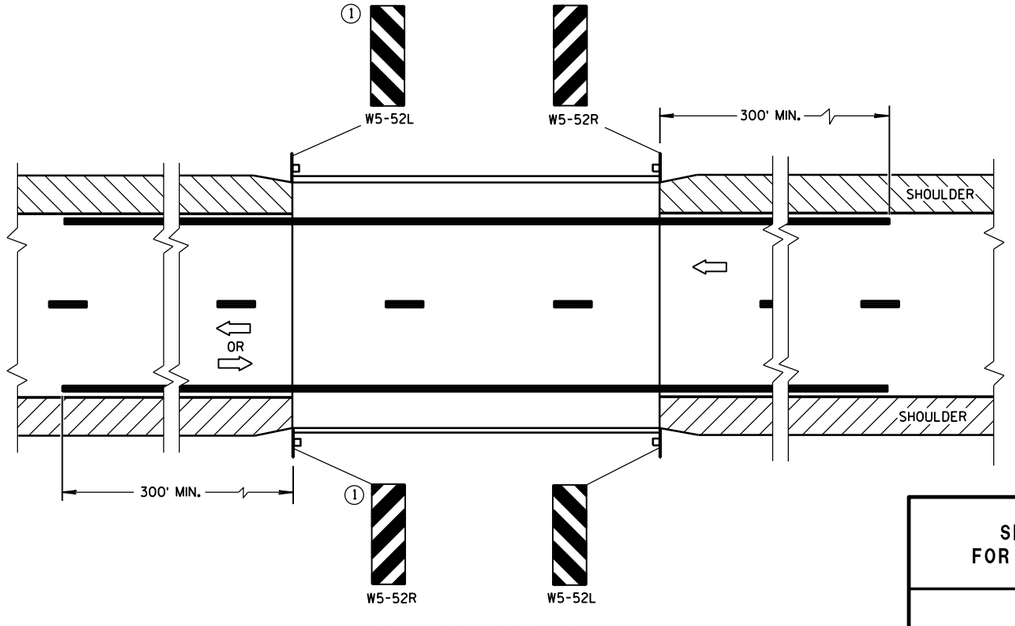
DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

LOCATE W5-52 SIGN POST(S) BEHIND GUARDRAIL WHEN PRESENT.

PLACE THE EDGE OF THE W5-52 SIGN IN LINE WITH FACE OF CURB OR PARAPET.

(1) OMIT ON ONE-WAY TRAVELLED WAYS.

⇨ DIRECTION OF TRAFFIC



SITUATION 2

WARRANTING CRITERIA:

1. BRIDGE WIDTH IS AT LEAST 24 FEET AND
2. BRIDGE SHOULDER WIDTH IS LESS THAN 6 FEET.

SIGNING & MARKING FOR TWO LANE BRIDGES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

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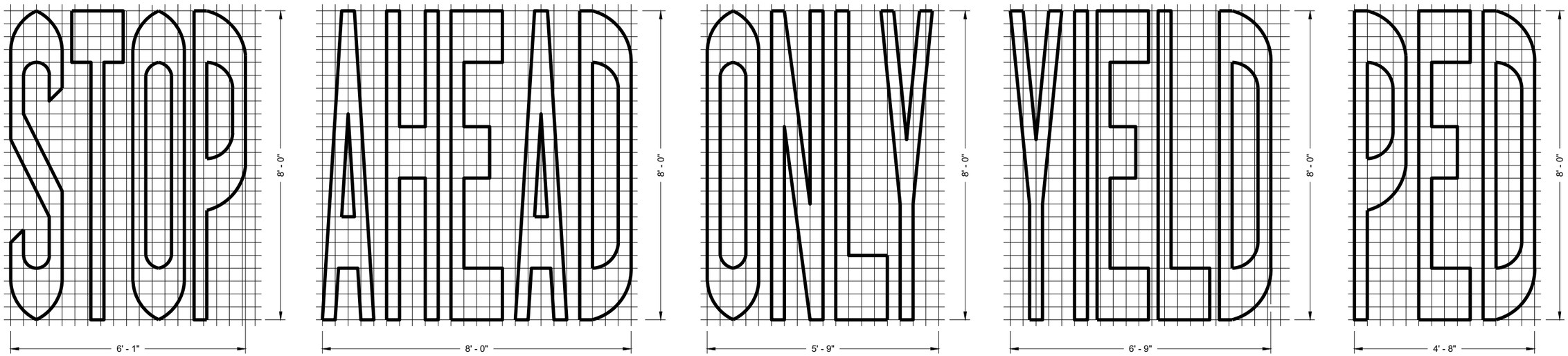
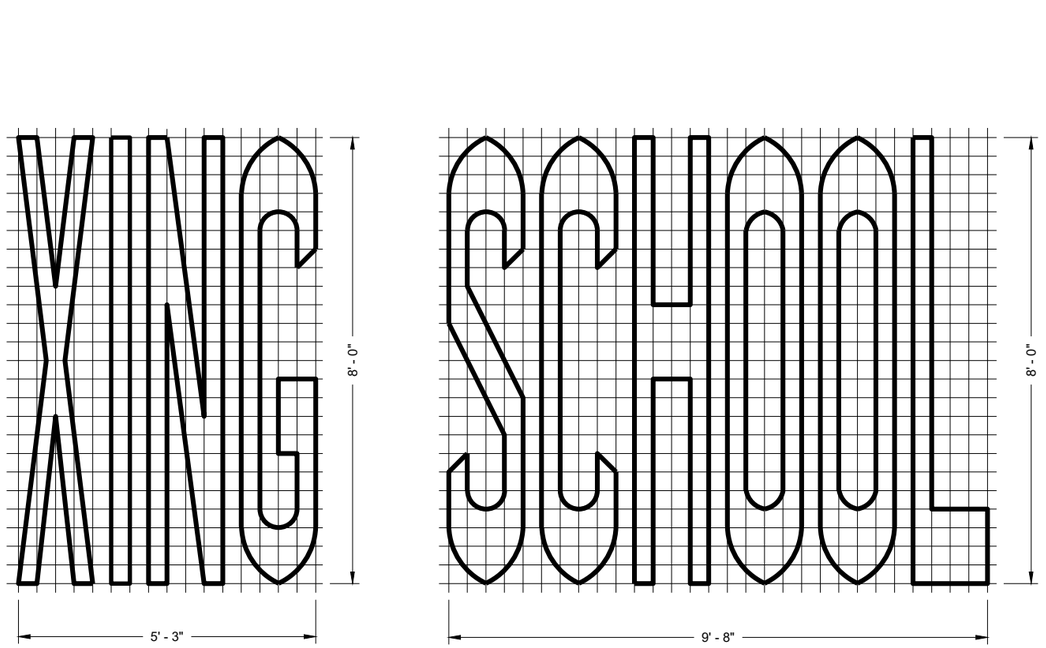
S.D.D. 15 C 6-9

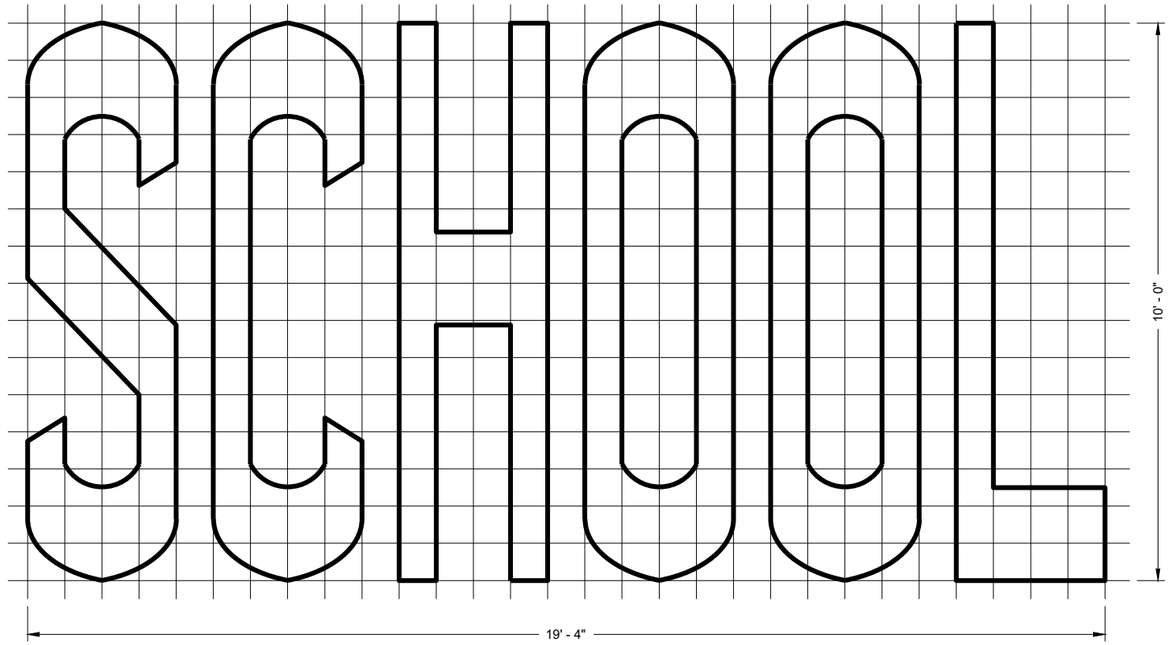
6

S.D.D. 15 C 6-9





SINGLE LANE



TWO - LANE

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

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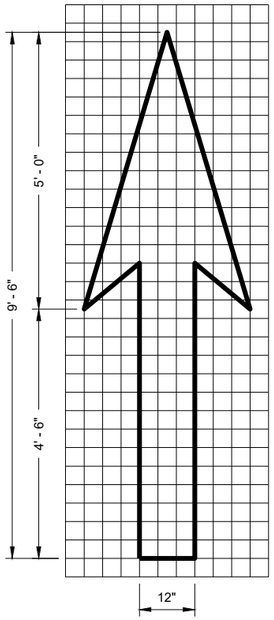
SDD 15C07 - 15b

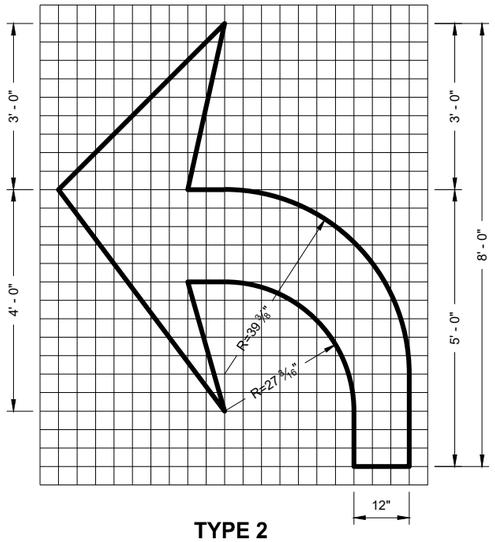
SDD 15C07 - 15b

GENERAL NOTES

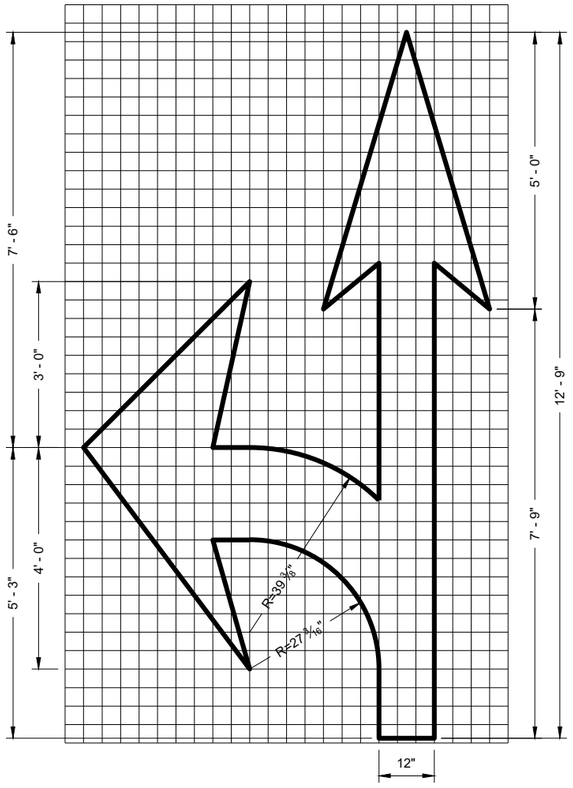
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



TYPE 1



TYPE 2



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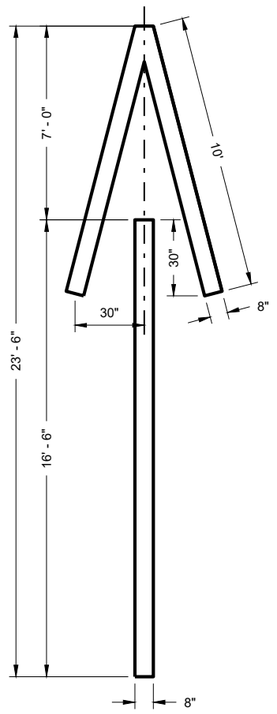
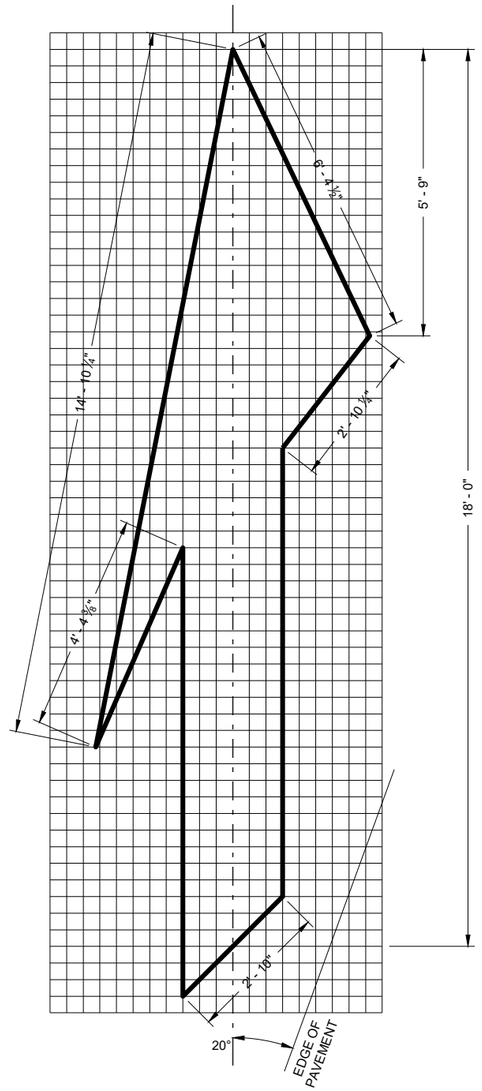
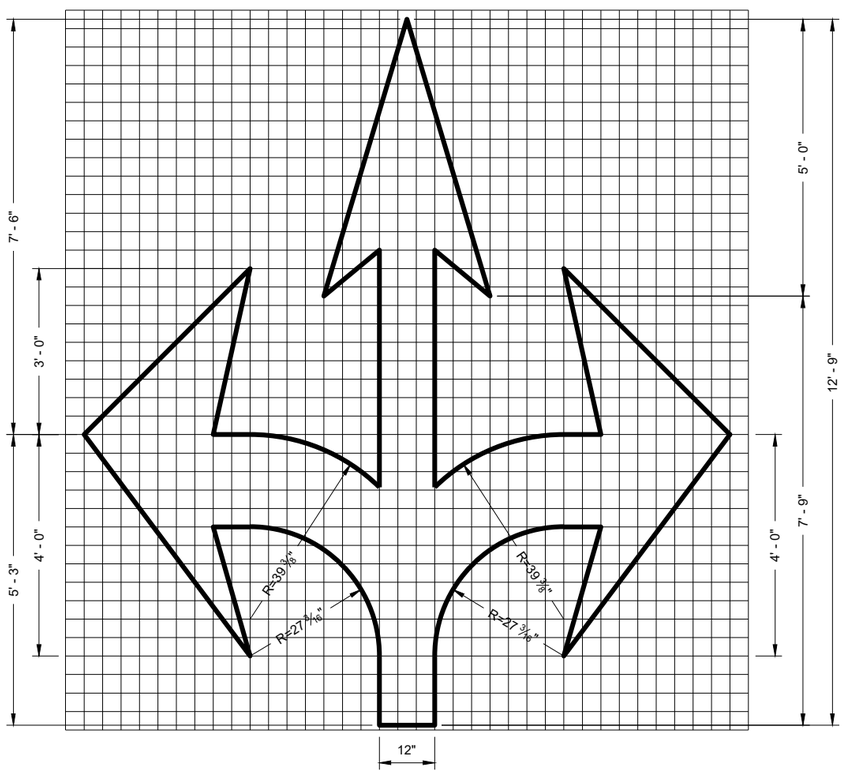


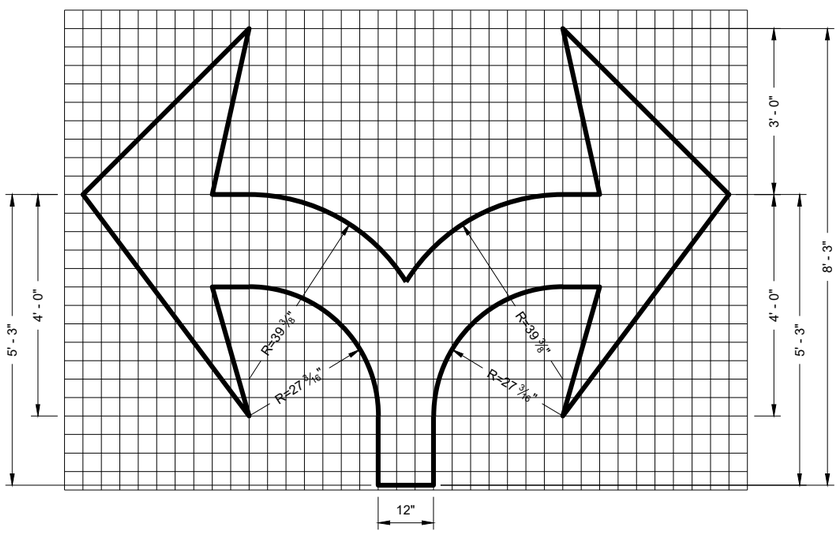
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

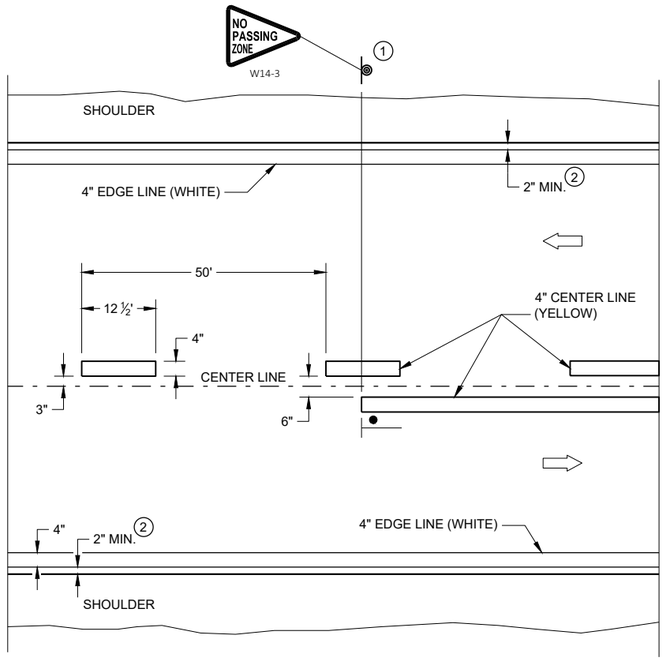
412

6

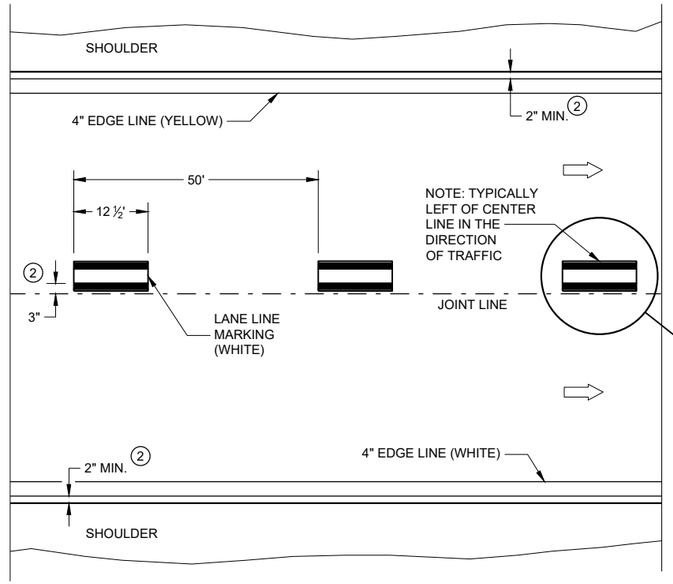
SDD 15C07 - 15c

6

SDD 15C07 - 15c

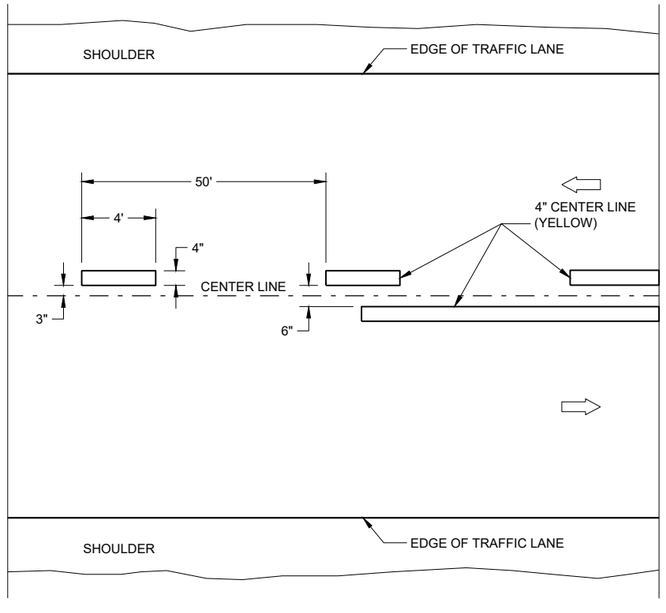


TWO WAY TRAFFIC

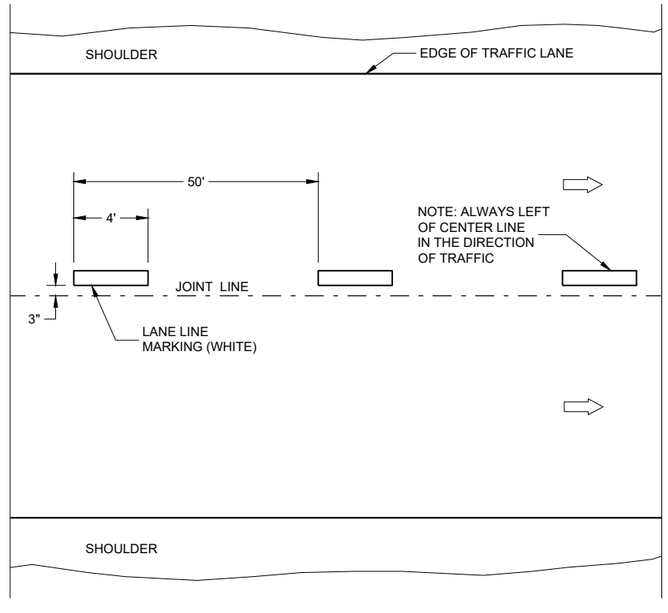


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

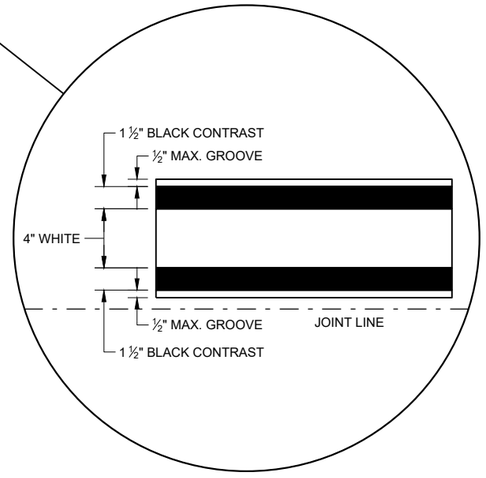
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Matthew Rauch
STATEWIDE SIGNING AND M ENGINEER

FHWA

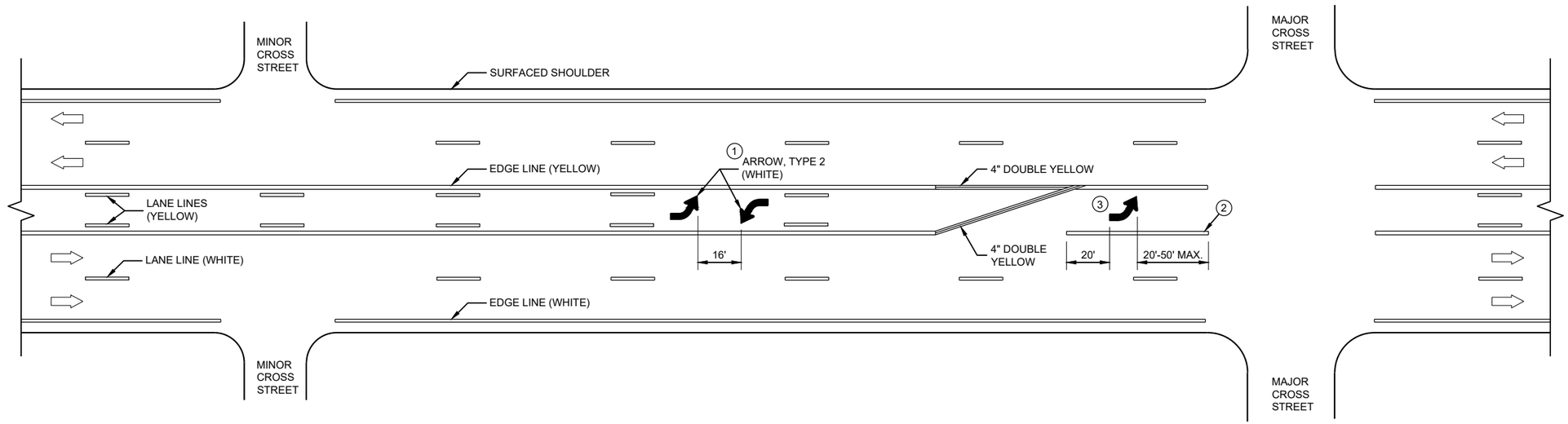
SDD 15C08 - 20a

SDD 15C08 - 20a

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

6

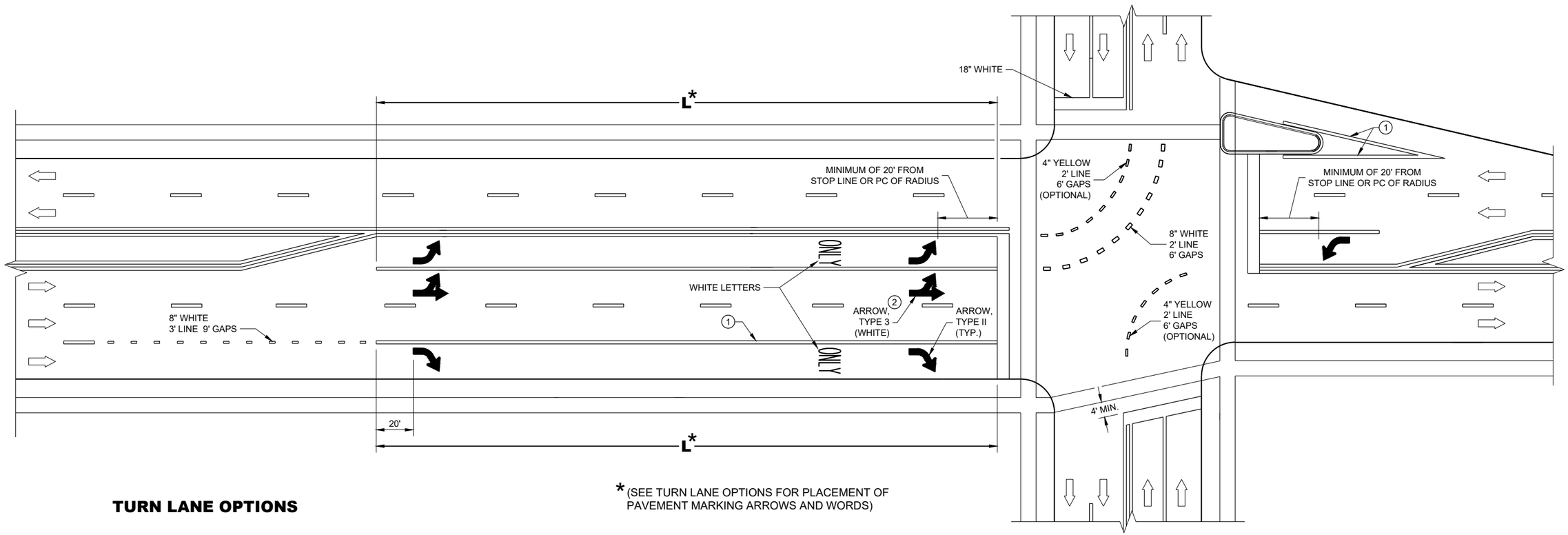
6

SDD 15C08 - 20b

SDD 15C08 - 20b

PAVEMENT MARKING (TURN LANES)

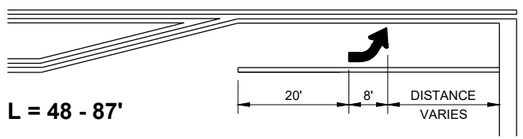
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



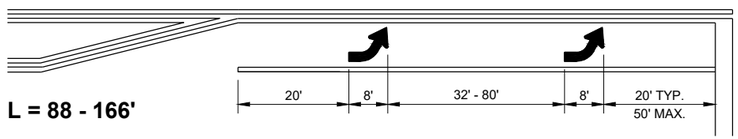
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

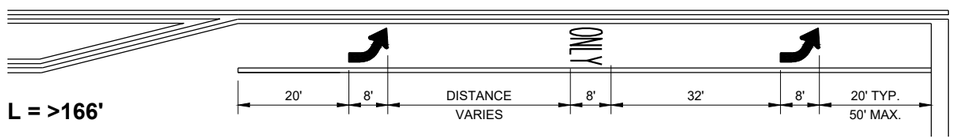
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. 8" WHITE
2. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

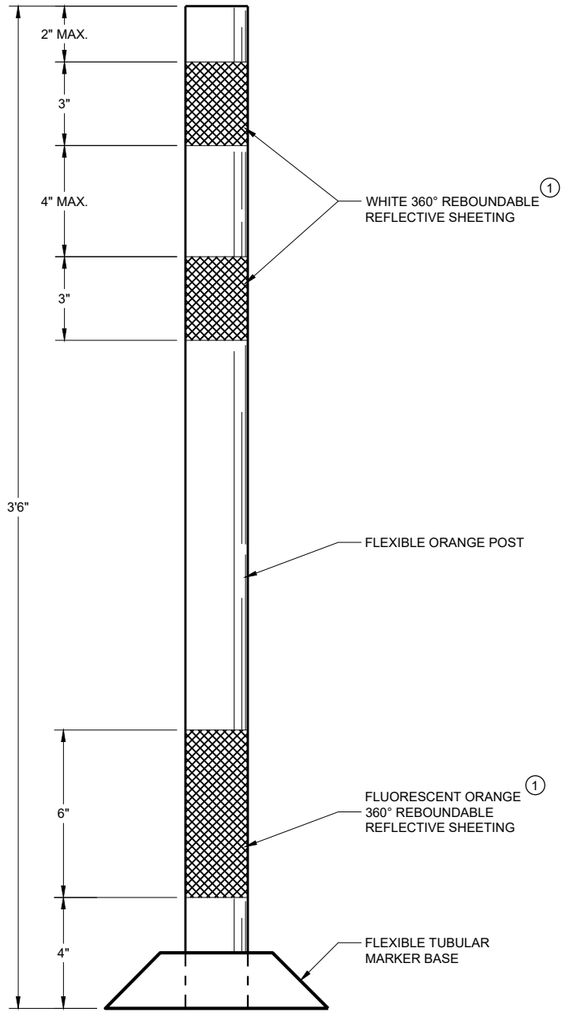
L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08 - 20c



FLEXIBLE TUBULAR MARKER POST WORK ZONE

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

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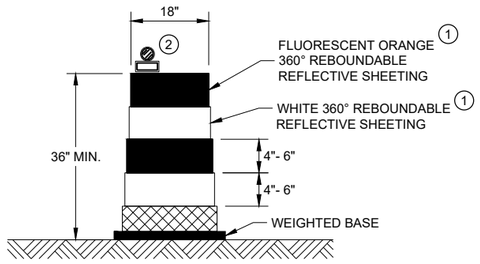
SDD 15C11 - 09a

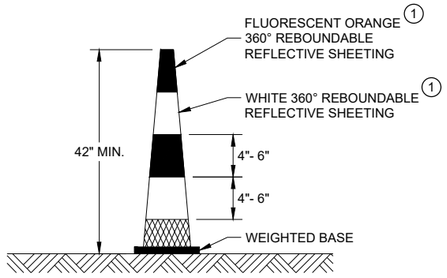
SDD 15C11 - 09a

GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.

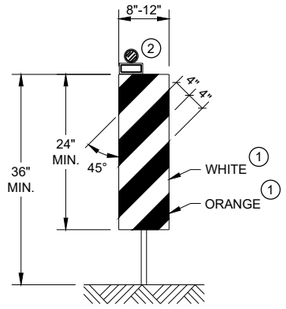


DRUM



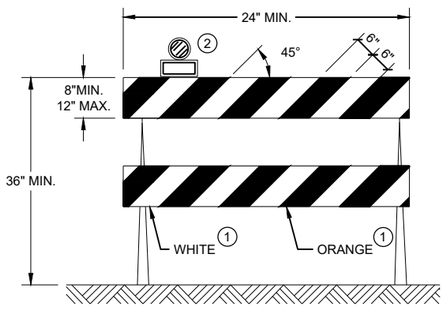
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



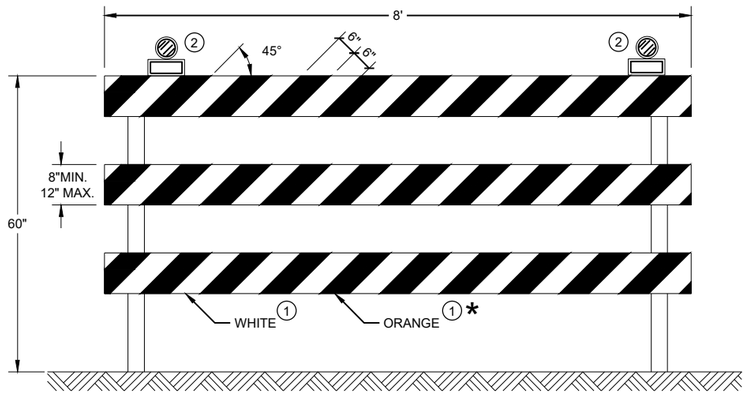
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C11 - 09b

6

SDD 15C11 - 09b

LEGEND

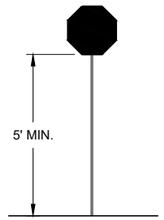
SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



STOP/SLOW PADDLE ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FOR THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

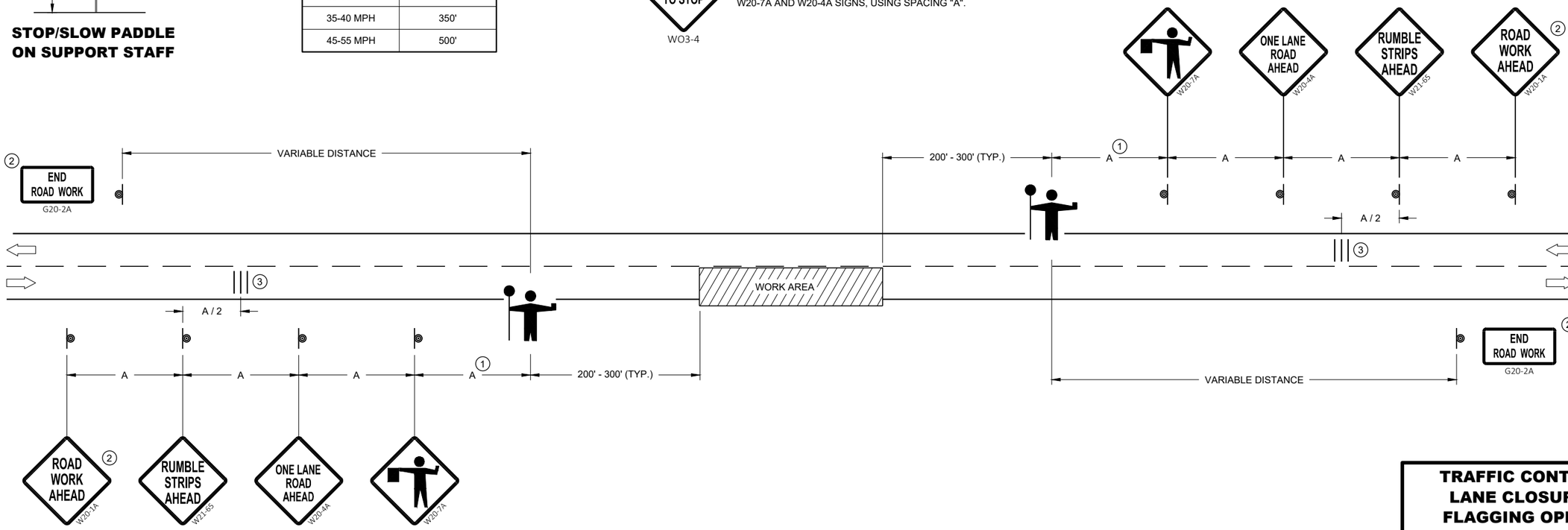
DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

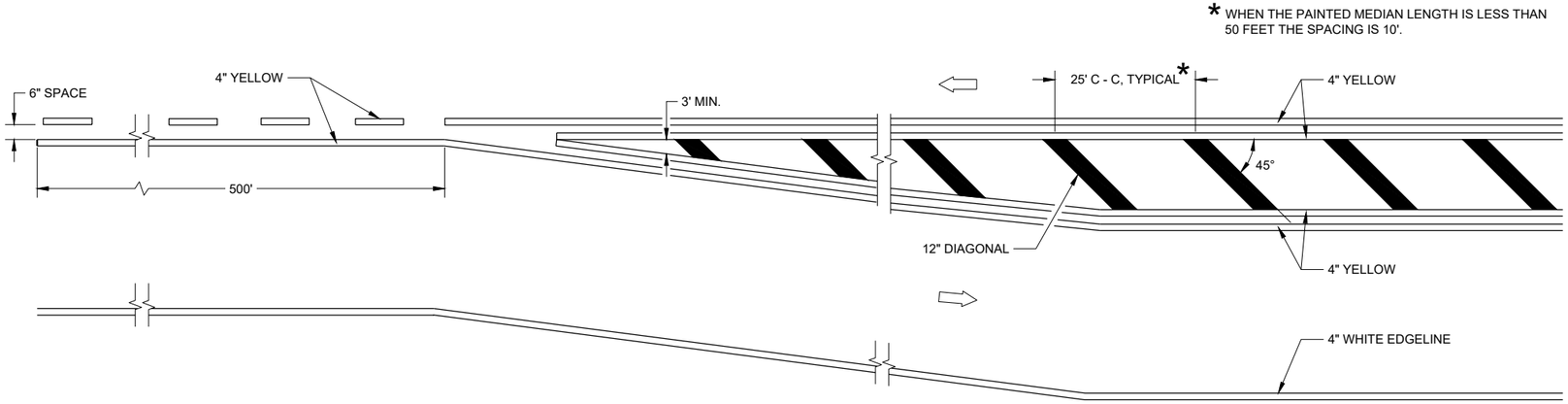
SDD 15C12 - 07

SDD 15C12 - 07

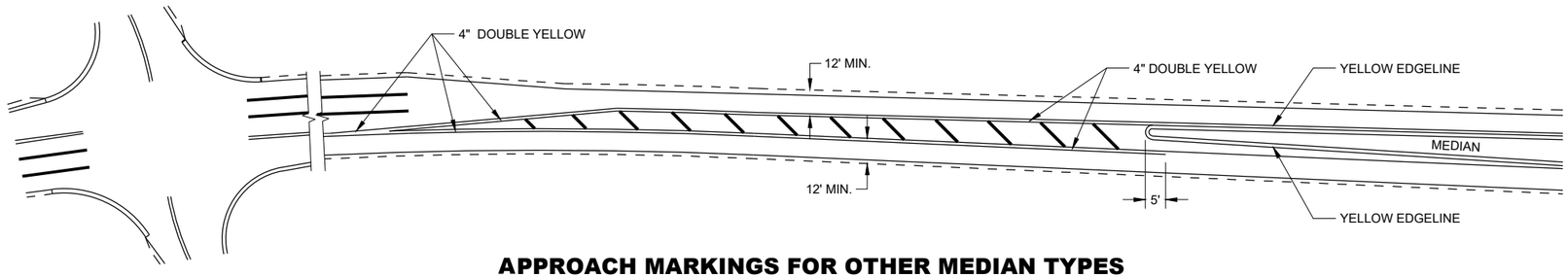
GENERAL NOTES

DIAGONALS ARE OPTIONAL WHEN PAINED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

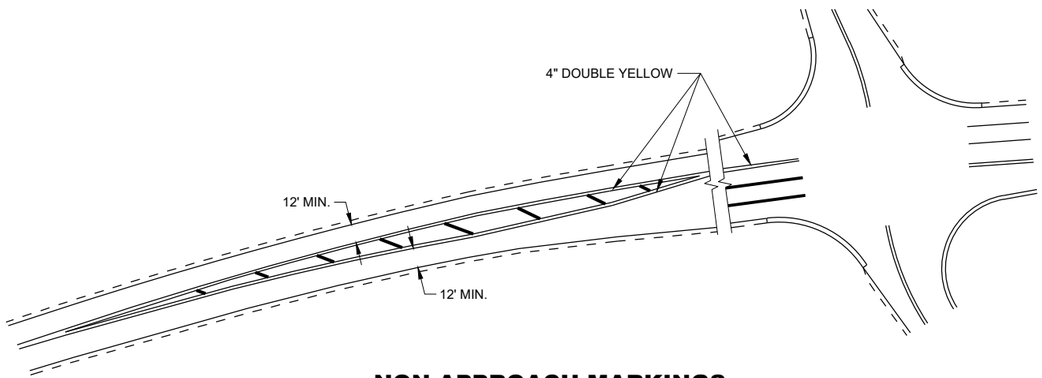
⇨ DIRECTION OF TRAVEL



MEDIAN ISLAND DETAIL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

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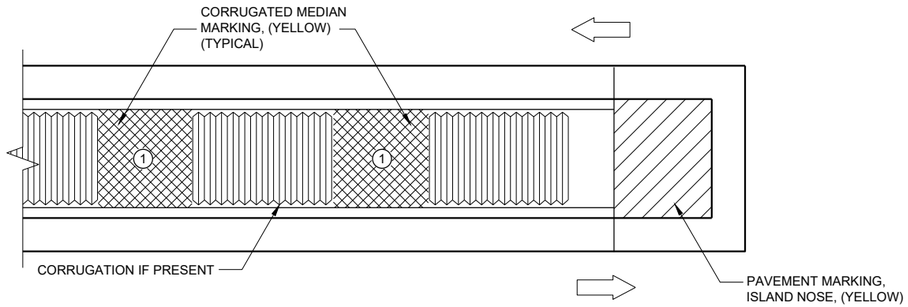
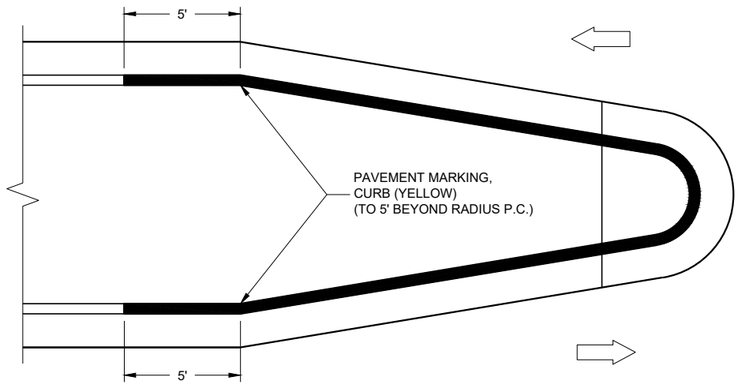
SDD 15C18 - 05a

6

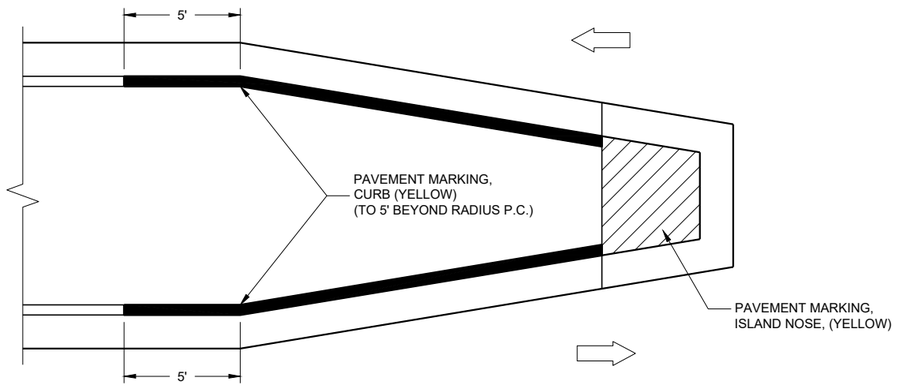
SDD 15C18 - 05a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

**PAVEMENT MARKINGS,
MEDIAN ISLAND NOSE**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF
ENGINEER

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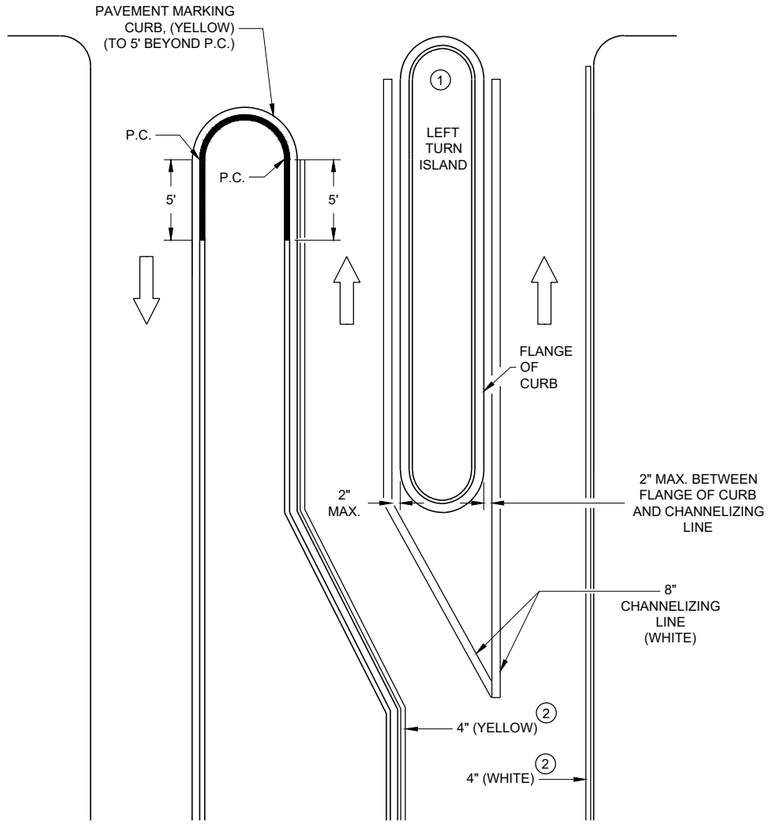
REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED



LEFT TURN & MEDIAN ISLAND

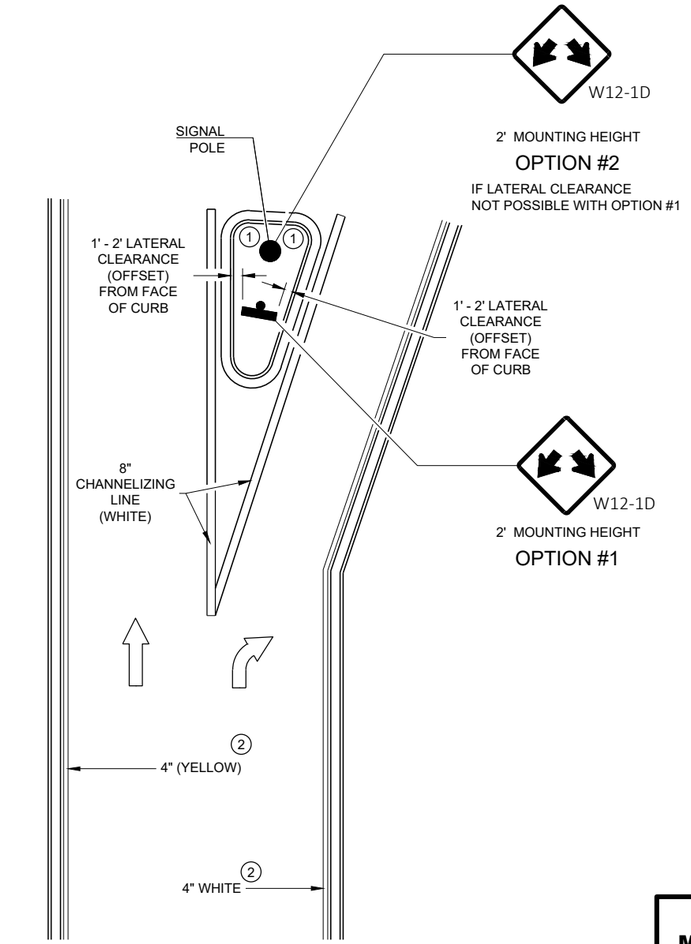
GENERAL NOTES

APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

1. MARK CURB NOSES YELLOW.
2. MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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February 2021
DATE

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STATE SIGNING AND MAF ENGINEER

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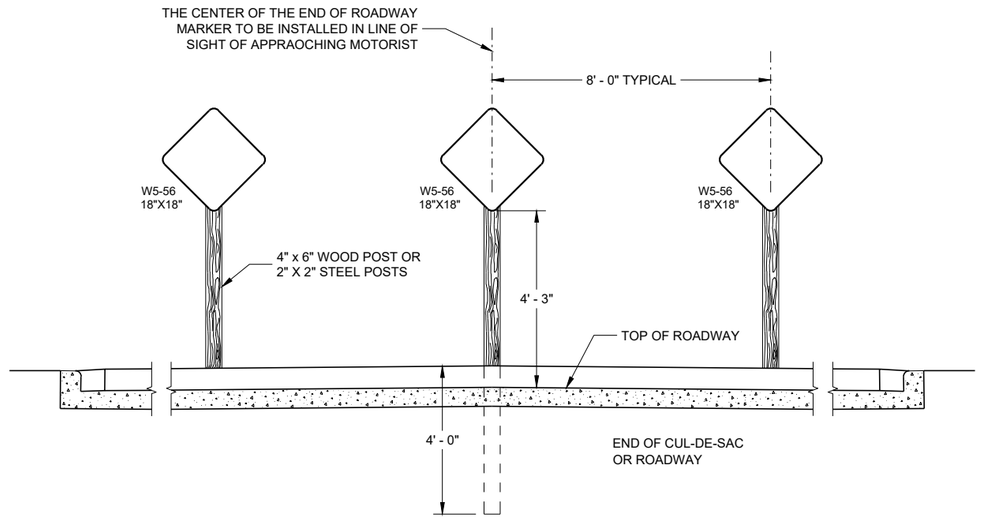
SDD 15C18 - 05c

GENERAL NOTES

SIGN LOCATIONS SHOWN ARE TYPICAL PLACEMENT AND MAY BE ADJUSTED BY THE ENGINEER AS FIELD CONDITIONS DICTATE.

THE MINIMUM NUMBER OF END-OF-ROADWAY SIGNS ARE THREE (AS SHOWN). ADDITIONAL END-OF-ROADWAY SIGNS MAY BE INSTALLED AS FIELD CONDITIONS DICTATE. (SEE SIGNING PLAN).

WHEN BEAMGUARD IS REQUIRED, PLACE END-OF-ROADWAY SIGNING BEHIND BEAMGUARD.



TYPICAL SIGN INSTALLATION

6

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SDD 15C26 - 04

SDD 15C26 - 04

END-OF-ROADWAY SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2019
DATE

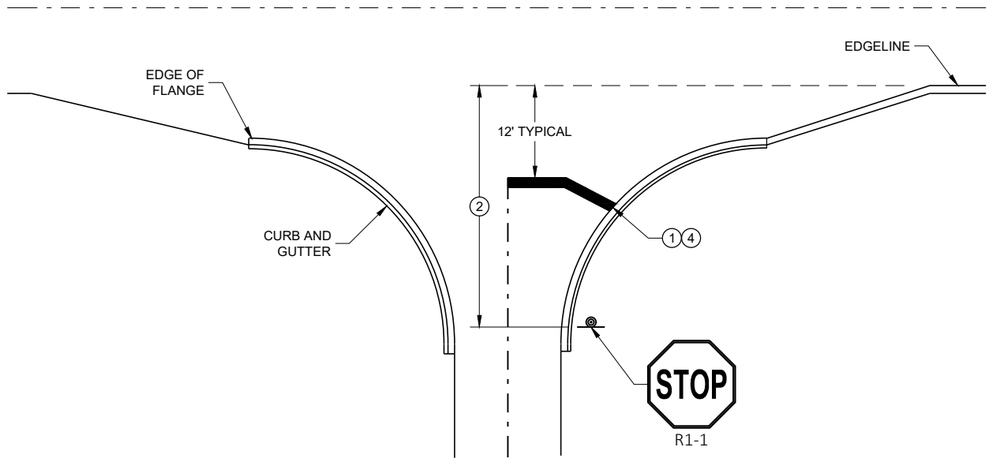
/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

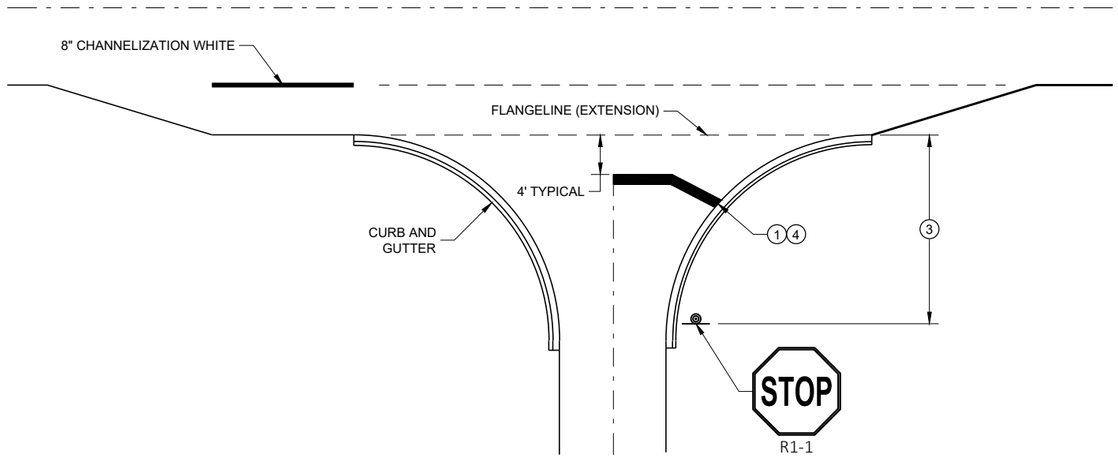
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

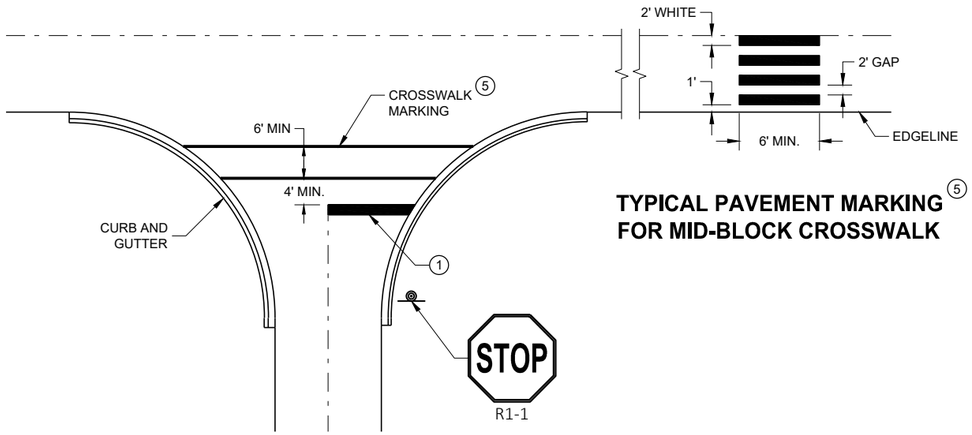
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

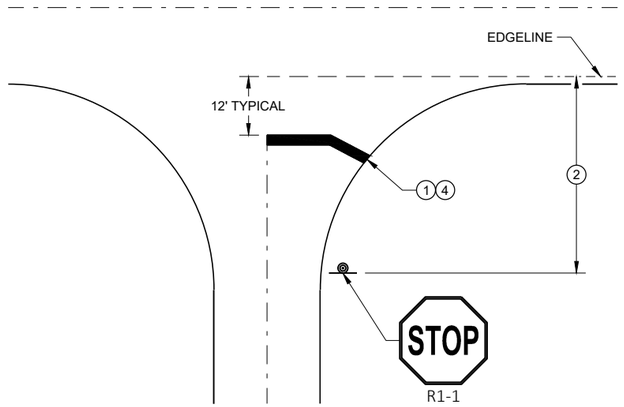


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

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SDD 15C33 - 04

6

SDD 15C33 - 04

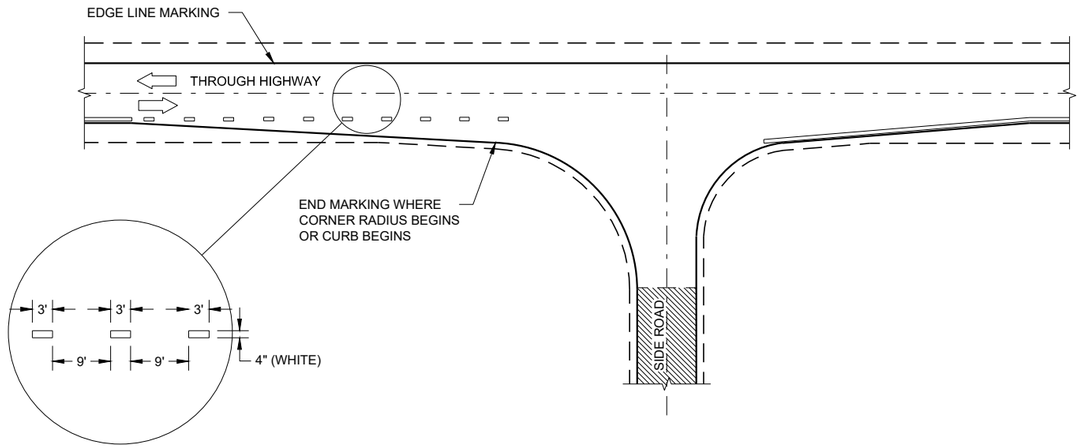
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

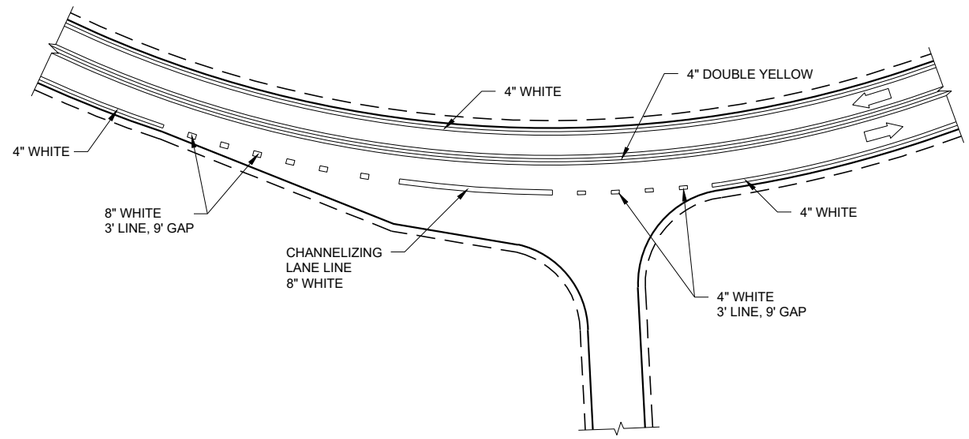
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

LEGEND

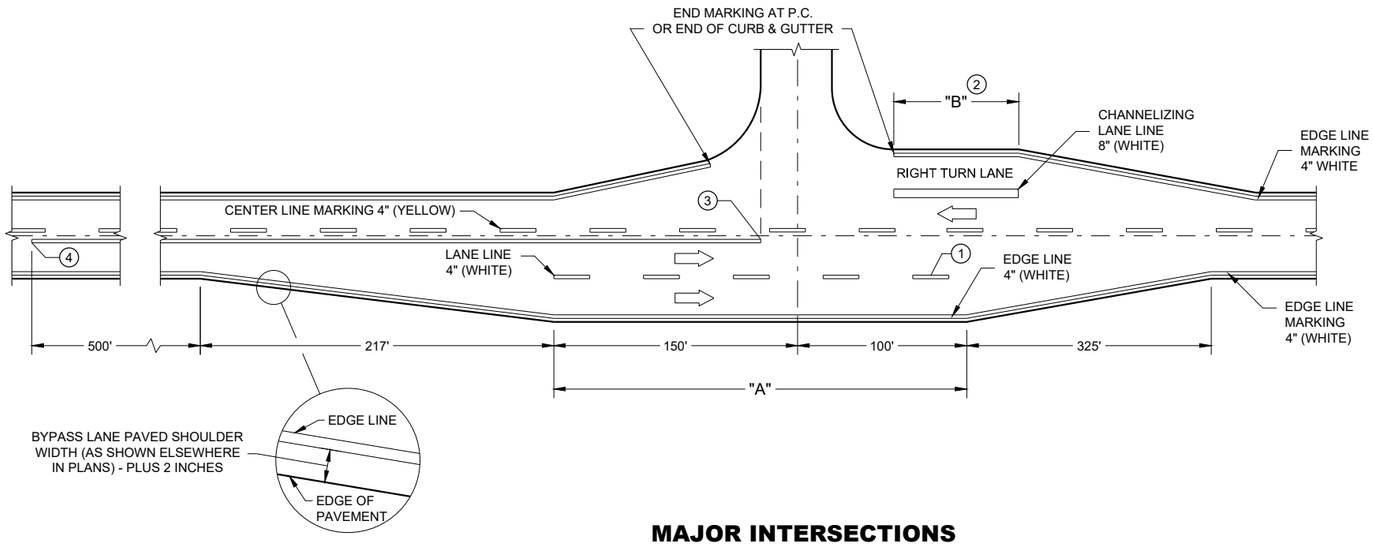
DIRECTION OF TRAVEL



MINOR INTERSECTION



INTERSECTION ON OUTSIDE OF CURVE



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C35 - 04a

6

SDD 15C35 - 04a

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- DIRECTION OF TRAFFIC
- WORK ZONE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

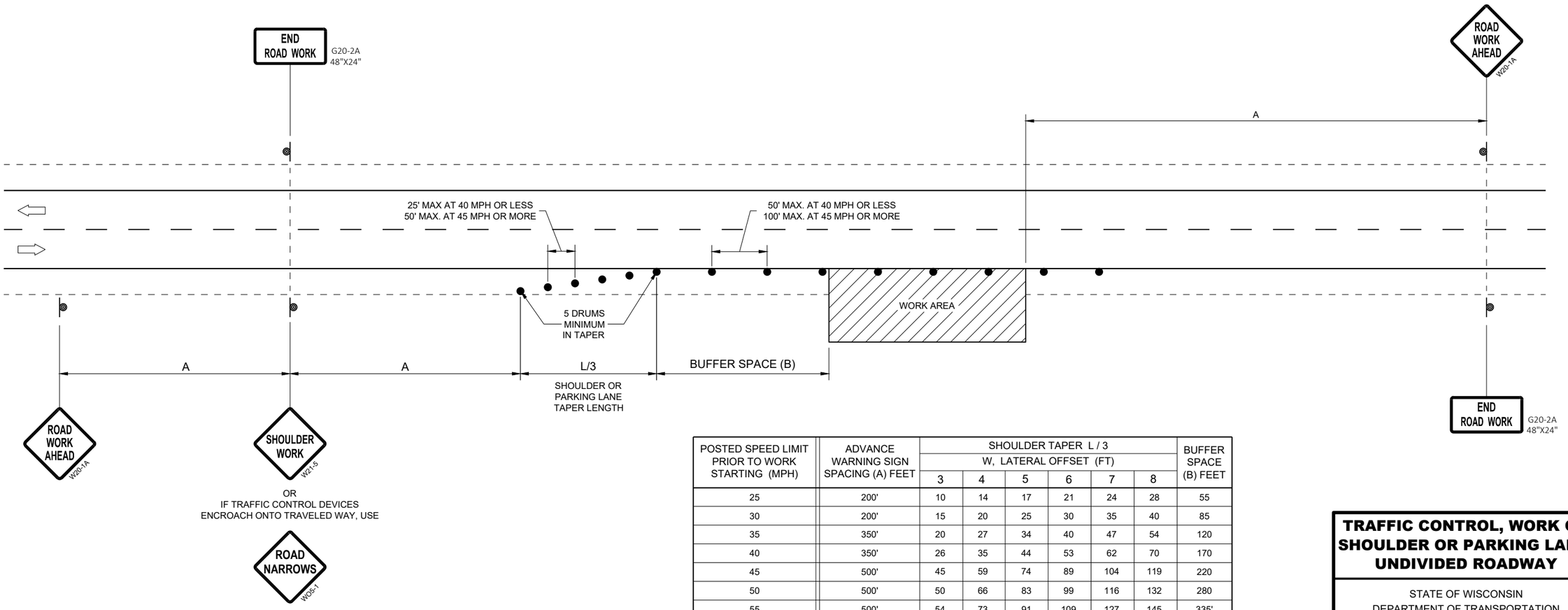
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

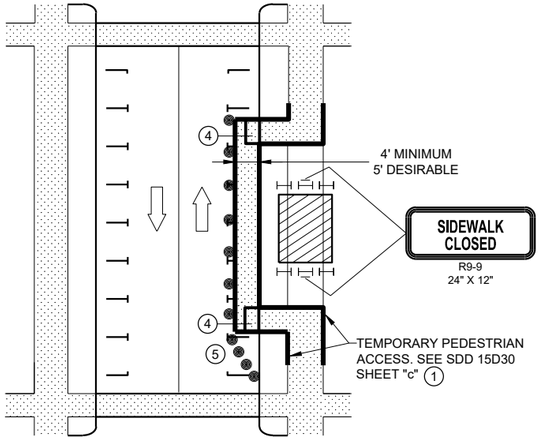
/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

SDD 15D28 - 04

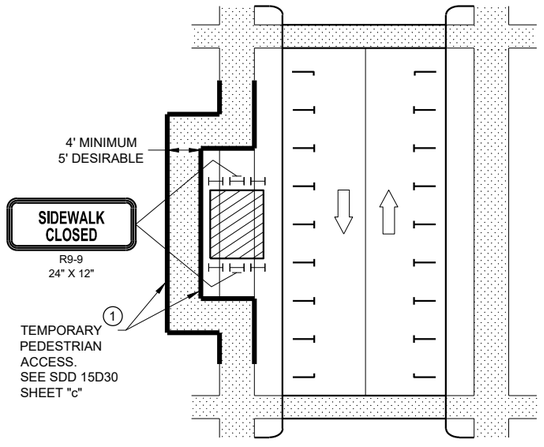
SDD 15D28 - 04

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

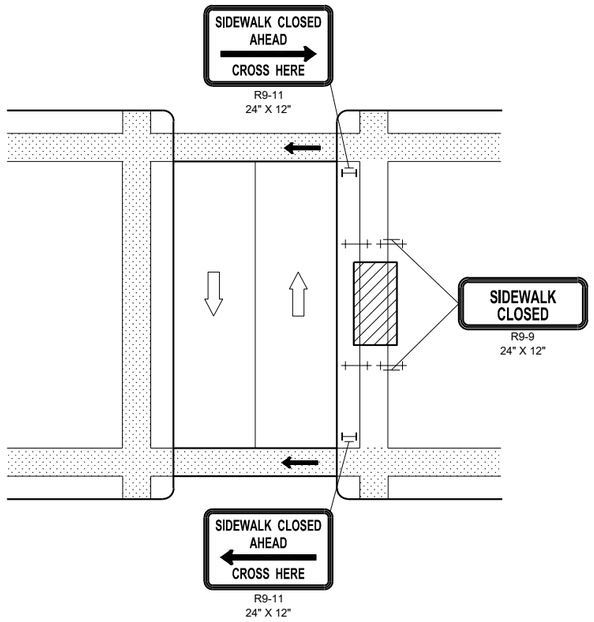


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

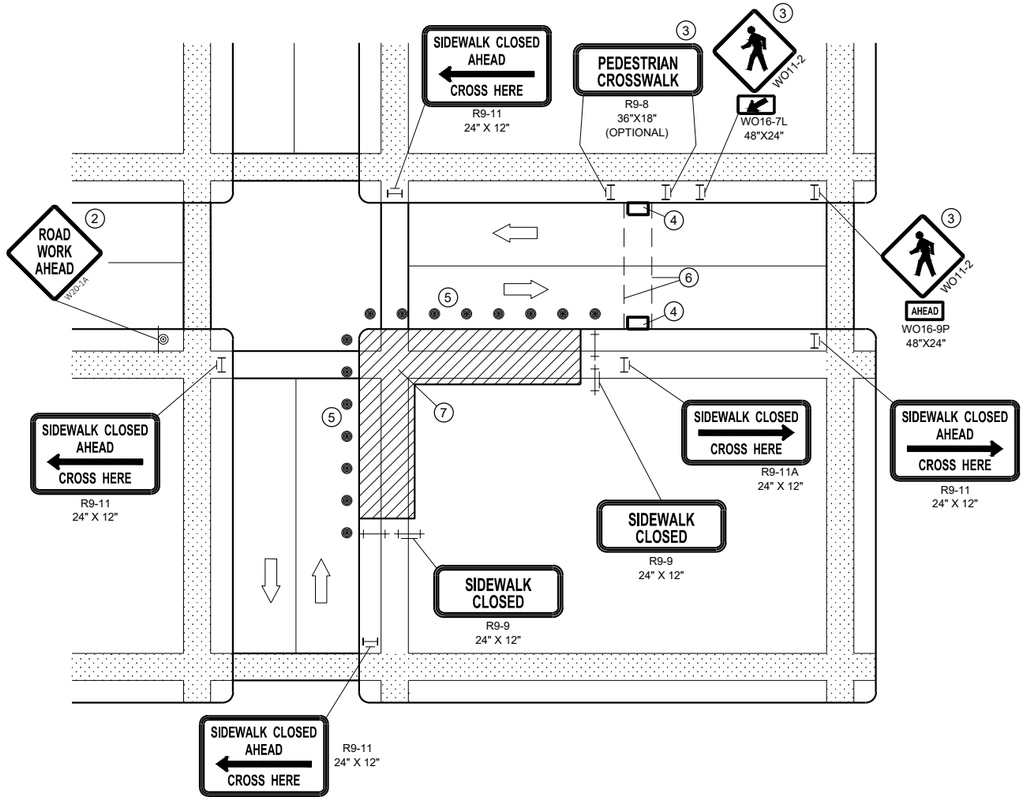
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

"WO" SIGN IS THE SAME AS "W" SIGN, EXCEPT THE BACKGROUND IS ORANGE.

FOR NIGHTIME CLOSURE, USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEK LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

1. IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE
2. "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.
3. IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.
4. TEMPORARY CURB RAMPS. SEE SDD 15D30 SHEET "b'.
5. DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
6. TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
7. LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

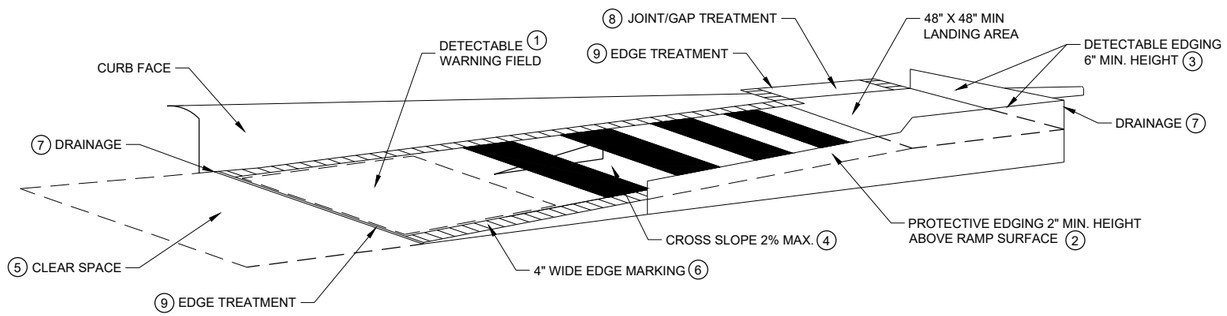
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

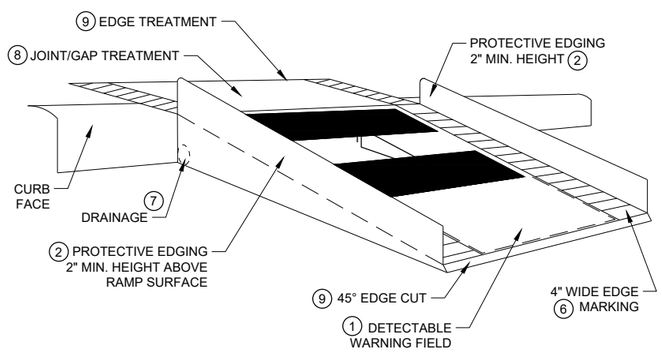
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

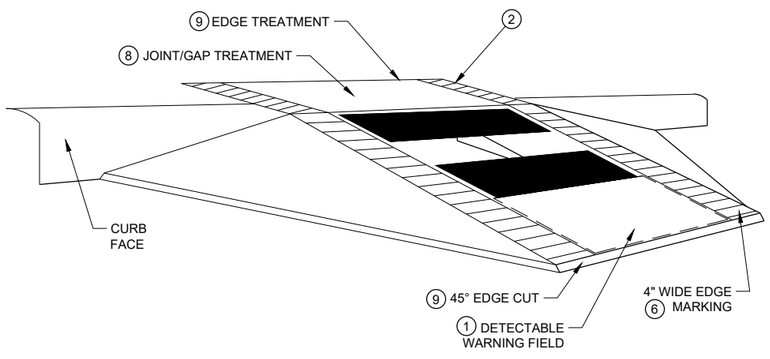
SDD 15D30 - 06a
SDD15D30 - 06a



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

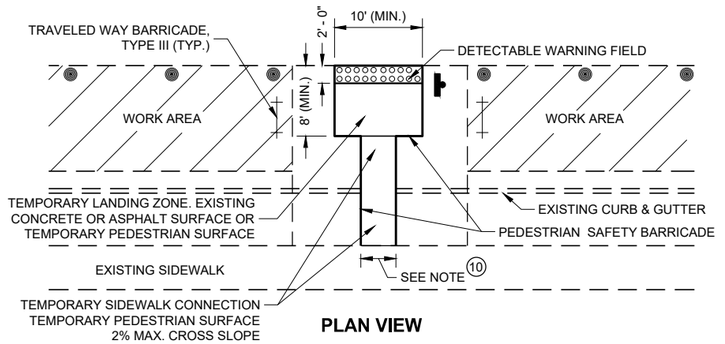
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

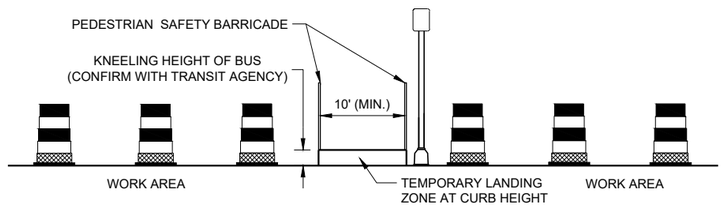
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

1. CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 08D05, SHEET "e".
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
5. CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
6. THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
7. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES SHALL BE VERTICAL UP TO ¼" HIGH AND BEVELED AT 1:2 BETWEEN ¼" AND ½".
10. 5" WIDE MIN. WITH PEDESTRIAN SAFETY BARRICADE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY BARRICADE.



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

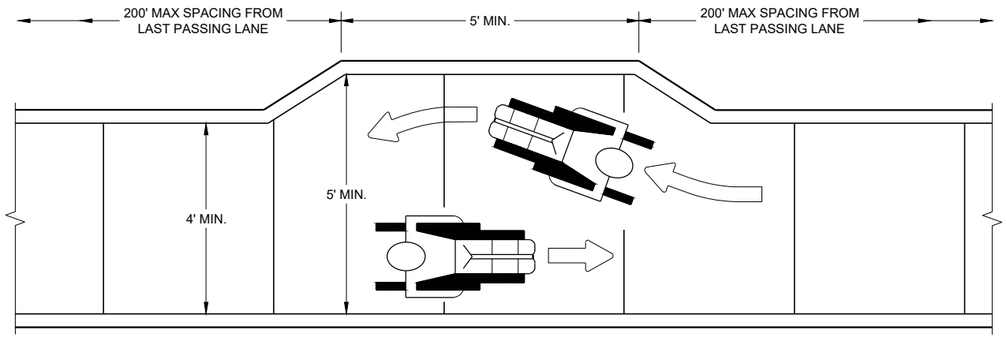
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

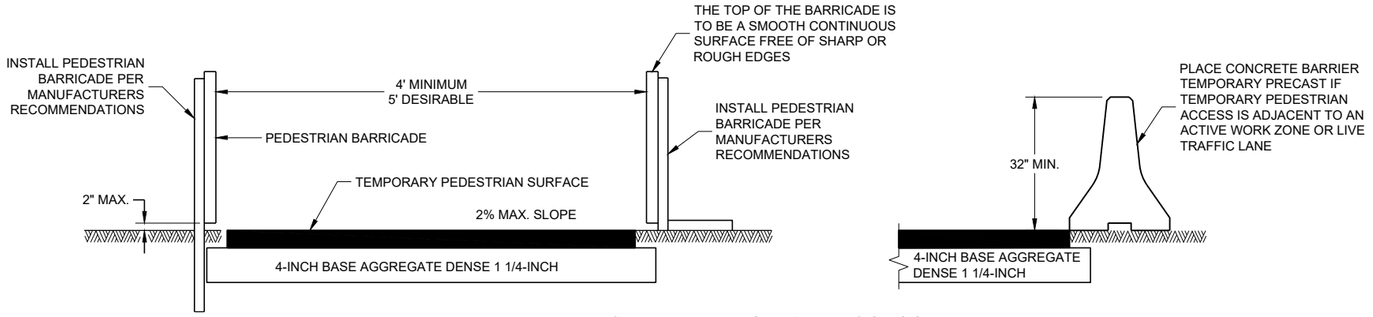
SDD 15D30 - 06b

6

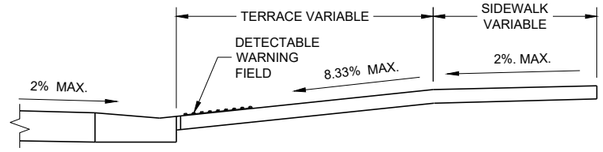
SDD 15D30 - 06b



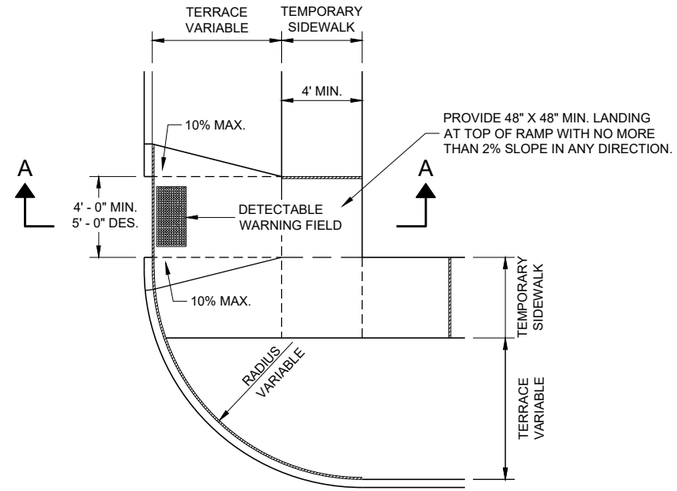
NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN ACCESS



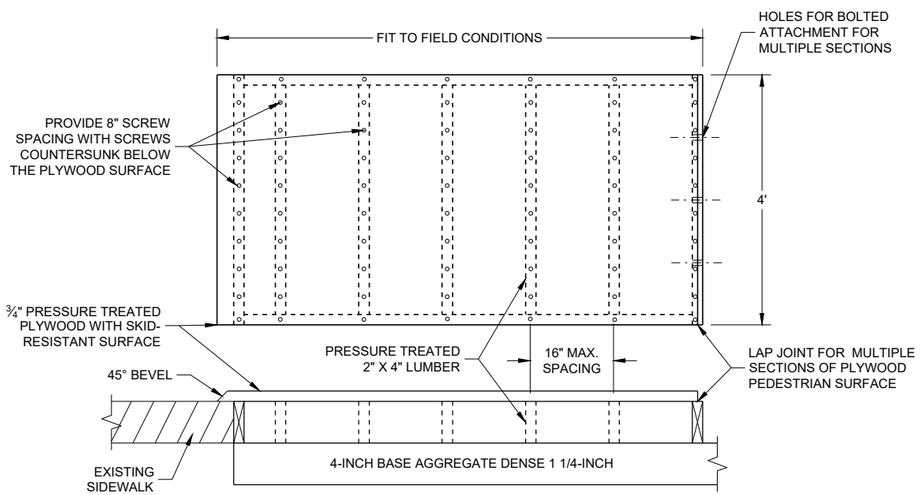
SECTION A - A



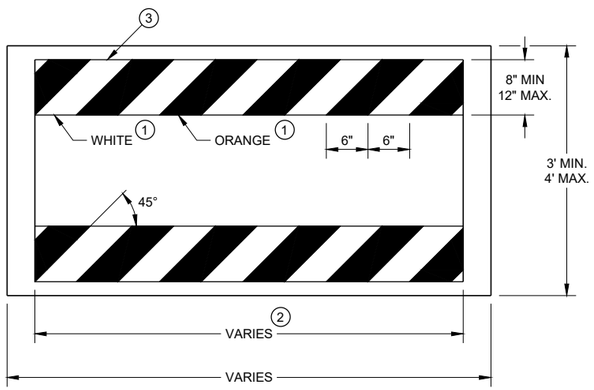
PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



TEMPORARY PEDESTRIAN BARRICADE *

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

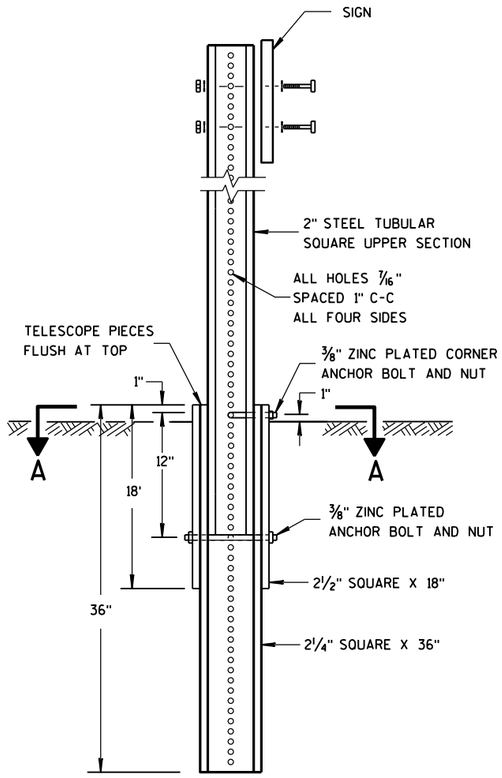
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

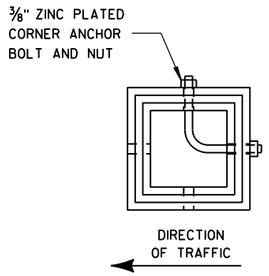
SDD 15D30 - 06c

6

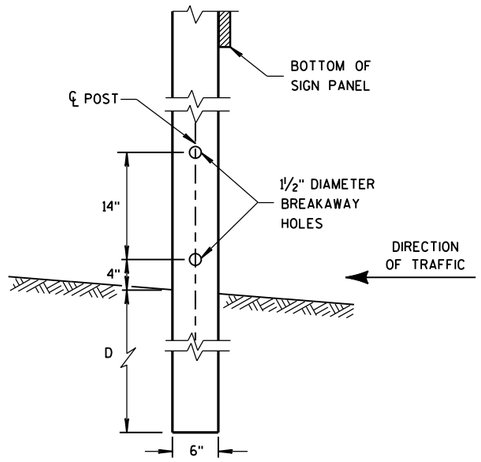
SDD 15D30 - 06c



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



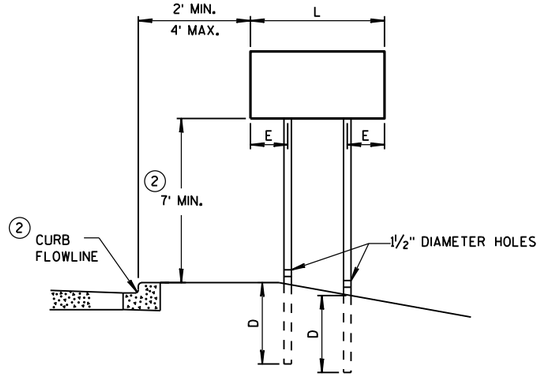
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

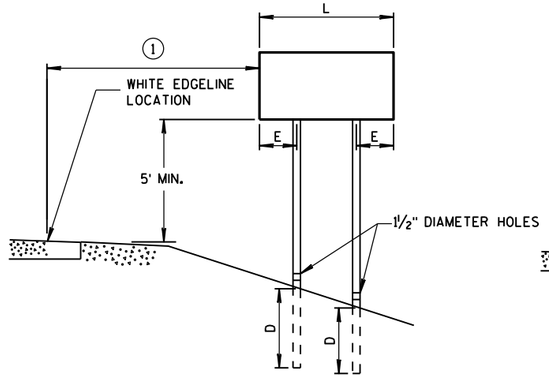
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

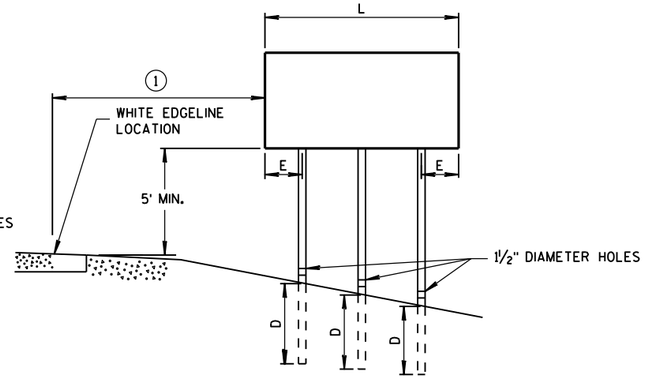
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

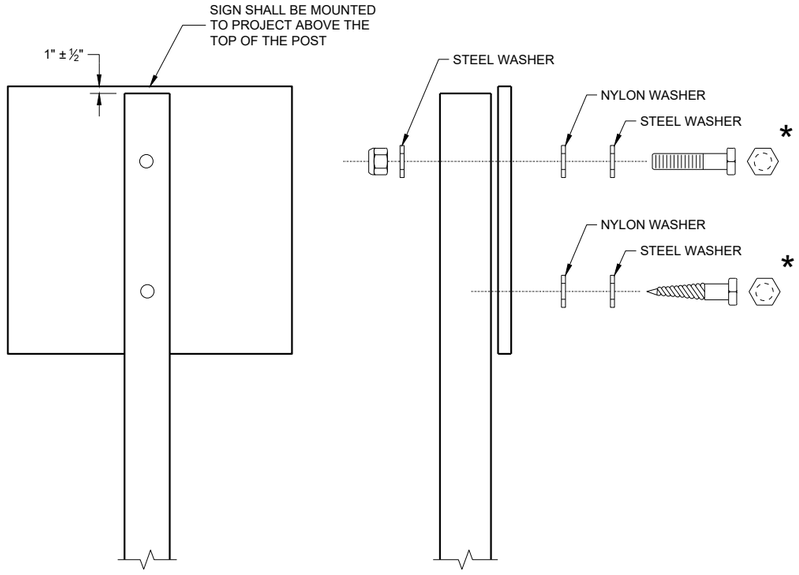
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

S.D.D. 15 D 38-2a



NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3
B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POST (4" x 6")
LAG SCREWS - ⅜" x 3"
MACHINE BOLTS - ⅝" x 6 ½" OR 7" LENGTH W/NUTS

SQUARE STEEL POST (2" x 2")
MACHINE BOLTS - ⅜" x 3 ¼" LENGTH W/NUTS
RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE 0.720 - 0.765 INCH, GRIP RANGE 0.042 - 0.375 INCH

WASHERS (ALL POSTS) -
1 ¼" O.D. x ⅜" I.D. x 1/16" STEEL
1 ¼" O.D. x ⅜" I.D. x 0.080 NYLON

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

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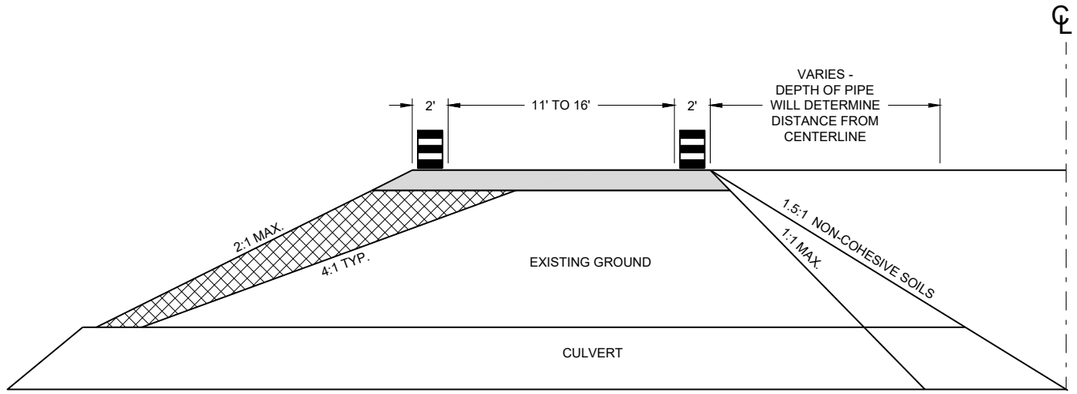
SDD 15D38 - 02b

SDD15D38 - 02b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA



CROSS SECTION

GENERAL NOTES

USE 1:1 FOR COHESIVE CLAYS AND SILTS, LOAMS, SANDY CLAYS AND ANGULAR GRAVEL SOILS.
USE 1.5:1 FOR NON-COHESIVE SOILS.

THE TAPER SHOULD EXTEND ACROSS THE SHOULDER UNLESS DOING SO WOULD GREATLY CONFLICT WITH THE WORK OPERATION.

ALL LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL DEVICES REMOVED BEYOND THE SHOULDER WHEN WORK IS NOT IN PROGRESS AND THE LANE IS RESTORED TO A SAFE OPERATING CONDITION.

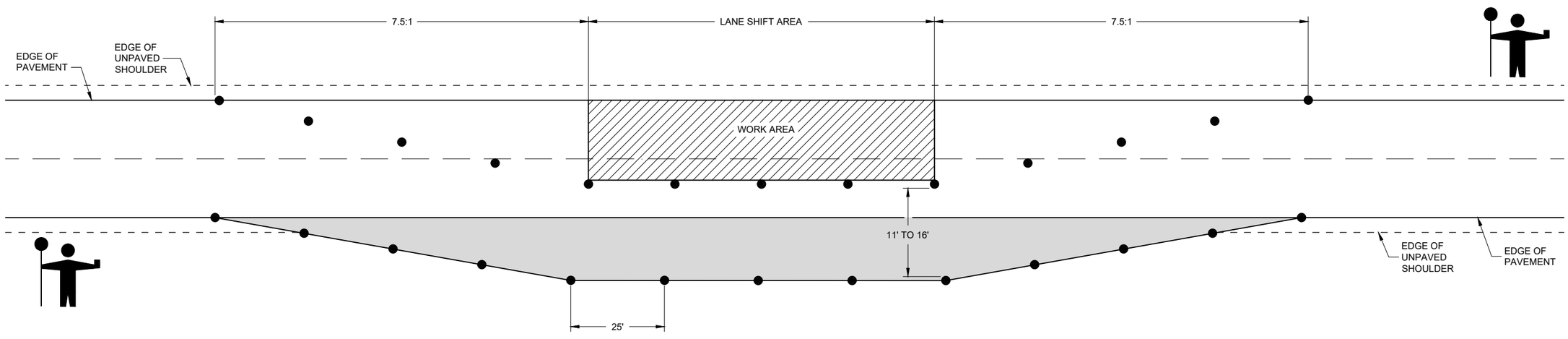
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

USE WITH SDD 15C12 "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS"

USE WITH SDD 15D45 "SIGNING ON ROADWAYS WITH LOOSE GRAVEL"

LEGEND

- DRUM WITHOUT WARNING LIGHT
- 6" BASE AGGREGATE DENSE 1 ¼" -INCIDENTAL TO LANE SHIFT ITEM
- FILL - INCIDENTAL TO LANE SHIFT ITEM
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



LANE SHIFT IN FLAGGING OPERATION

TRAFFIC CONTROL, TEMPORARY LANE SHIFT DURING CULVERT WORK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

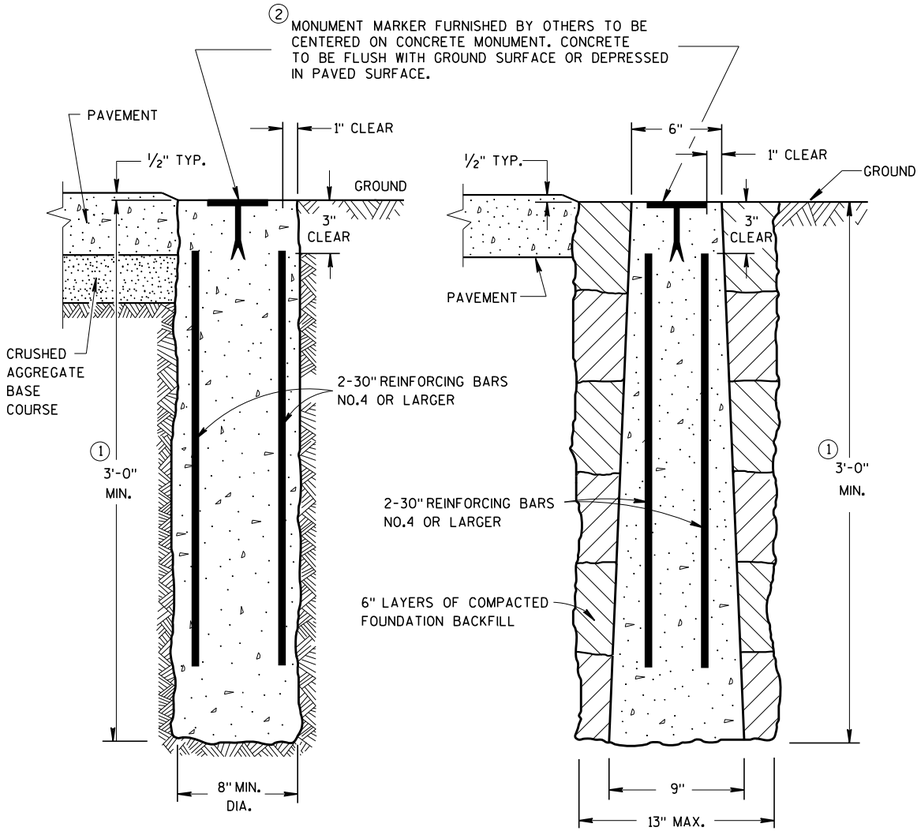
FHWA

6

SDD 15D48 - 01

6

SDD 15D48 - 01

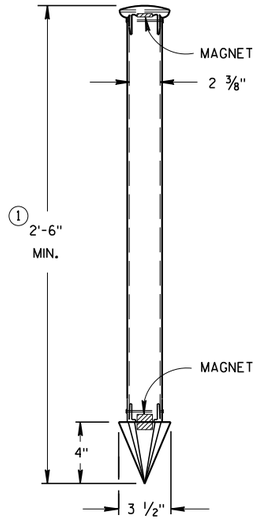


CAST-IN-PLACE

PRECAST

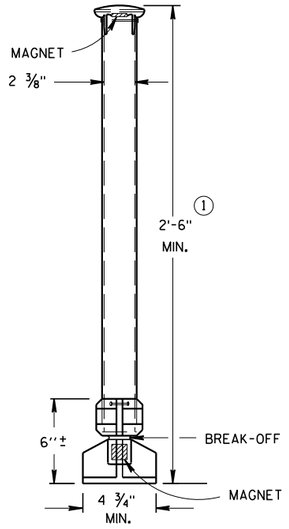
CONCRETE MONUMENTS

TYPE A



TYPE C

DRIVE-IN MONUMENT



TYPE D
NON-DRIVEN
BREAK-OFF MONUMENT

ALUMINUM MONUMENTS

(INCLUDES MARKER)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

PERMANENT MAGNETS SHALL BE INSERTED NEAR THE TOP AND BOTTOM OF ALL ALUMINUM MONUMENTS SO THE MONUMENT CAN EASILY BE DETECTED BY A METAL DETECTOR.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

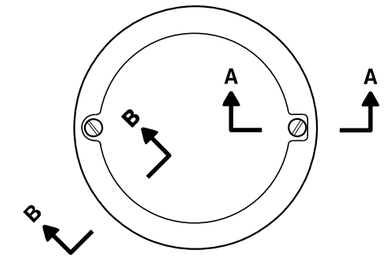
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

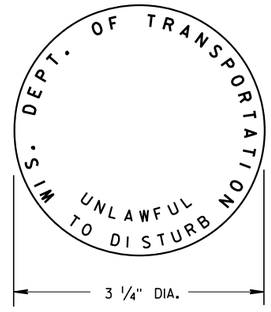
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WIS DOT MARKER.

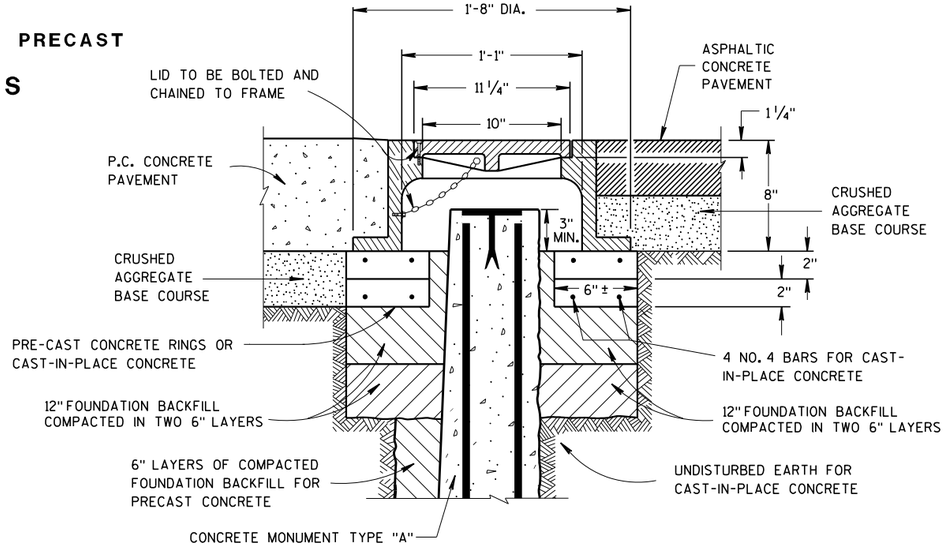


TOP VIEW



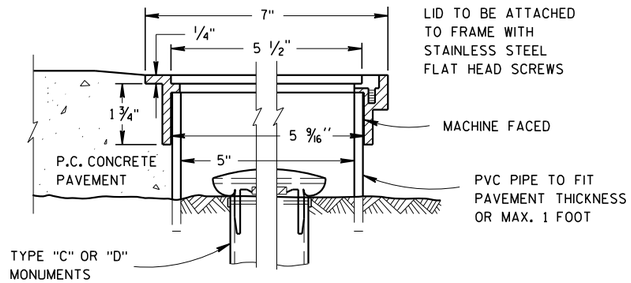
② WIS DOT MONUMENT MARKER LOGO

FOR TYPES "A", "C", & "D"



CAST IRON MONUMENT COVER

(APPROXIMATE WEIGHT 95 LBS)



SECTION B-B SECTION A-A

ALUMINUM MONUMENT COVER

(APPROXIMATE WEIGHT 2 LBS)
(FOR CONCRETE PAVEMENT ONLY)

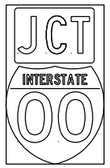
LANDMARK REFERENCE MONUMENTS AND COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

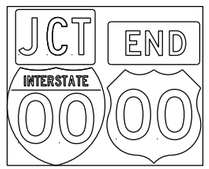
APPROVED
March 2018 — DATE
/S/ Raymond A. Kumagai — CHIEF SURVEYING AND MAPPING ENGINEER
FHWA

6
S.D.D. 16 A 1-7

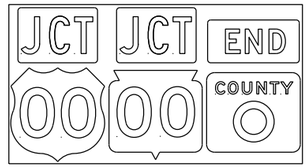
TYPICAL ASSEMBLIES



J1-1



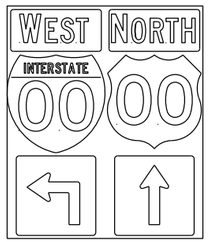
J1-2



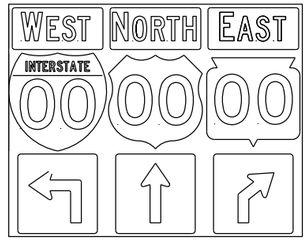
J1-3

JR1-1

J2-1

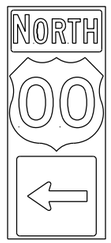


J2-2

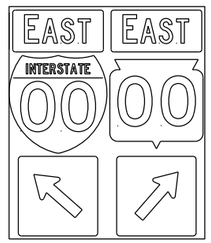


J2-3

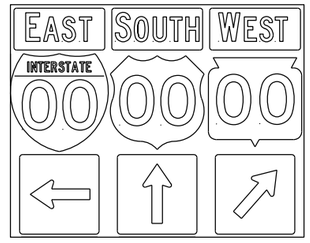
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



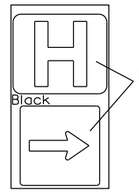
J3-1



J3-2

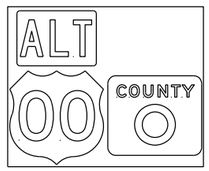


J3-3

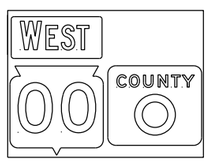


Blue Background
JH-1

J4-1

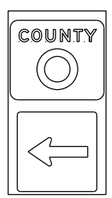


J4-2



J4-2

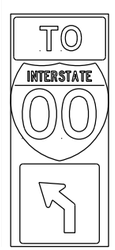
J12-1



J13-1

J32-1

J33-1



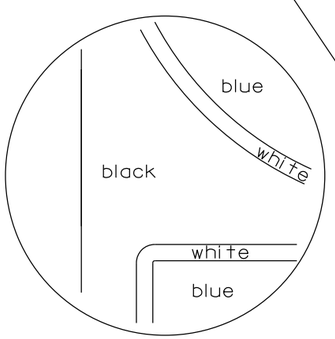
J22-1

J23-1

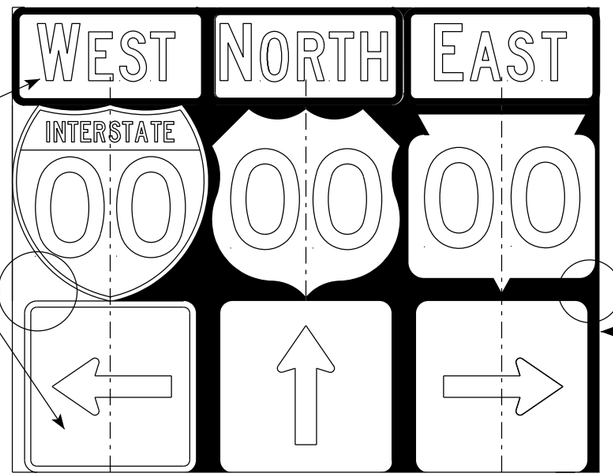
JR13-1

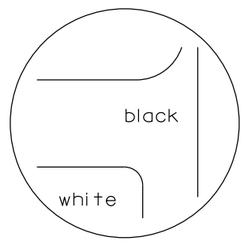
JR23-1

JR99-1



blue background
with interstate





black background

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

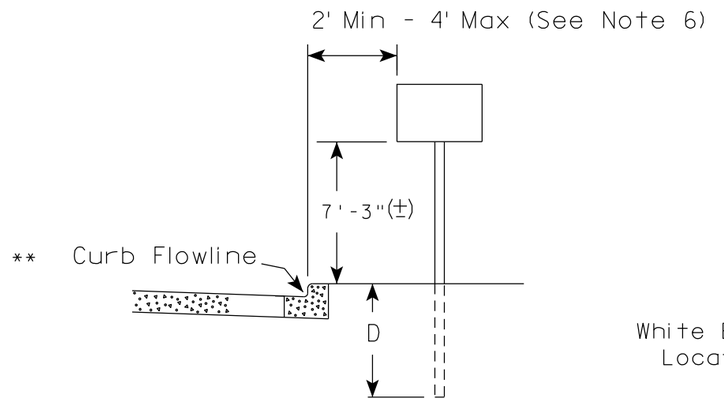
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/21 PLATE NO. A2-1S.9

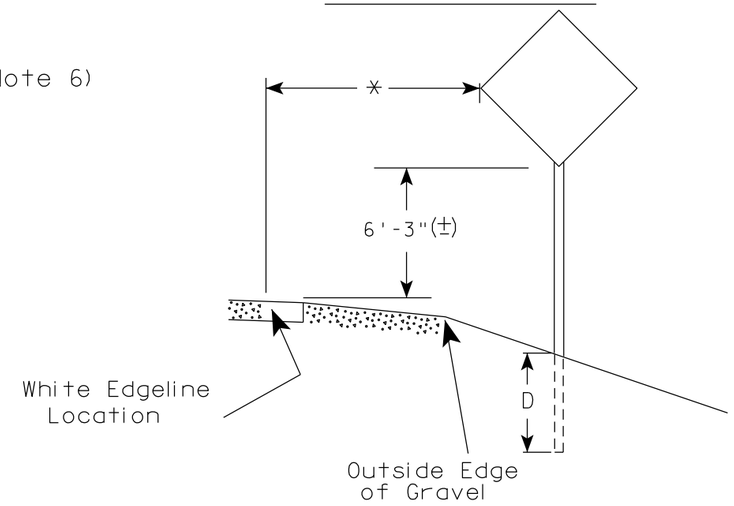
PROJECT NO:

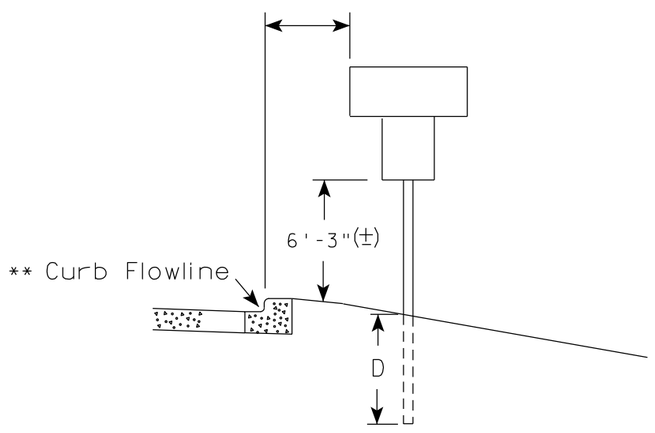
SHEET NO: 433 E

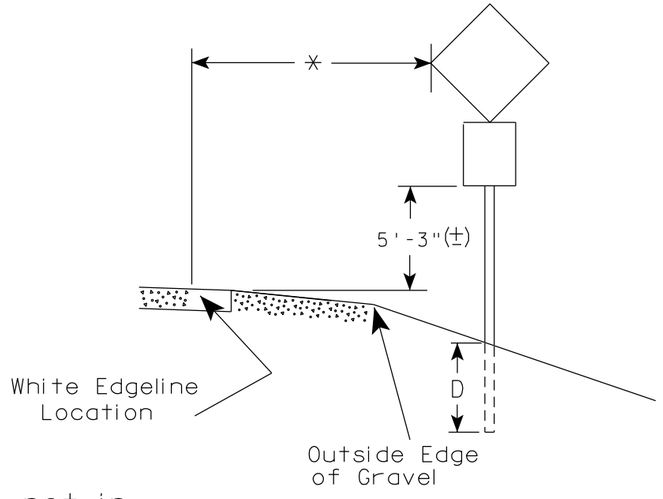
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.

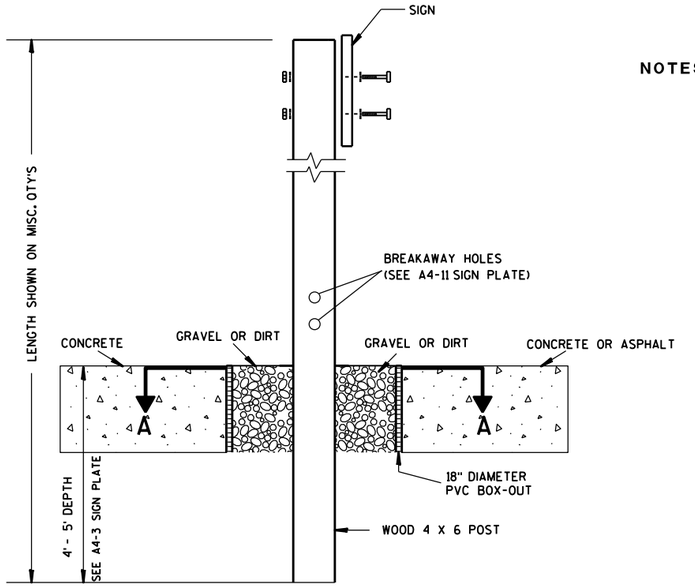
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

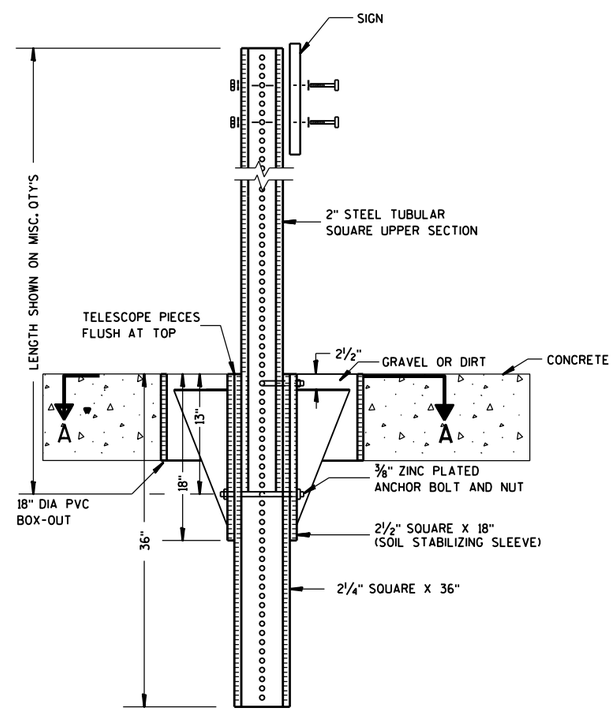
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 434	E



ELEVATION VIEW

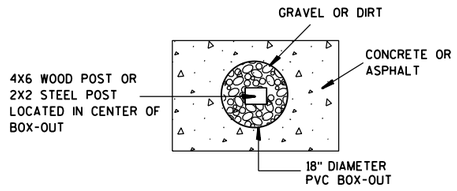
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

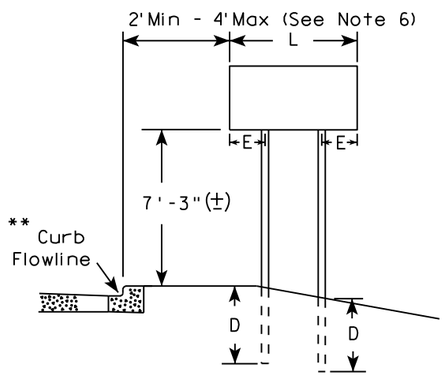
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

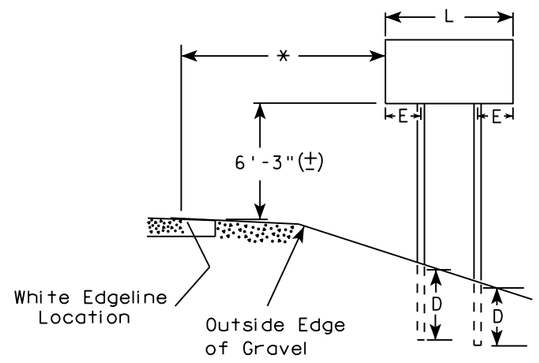
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

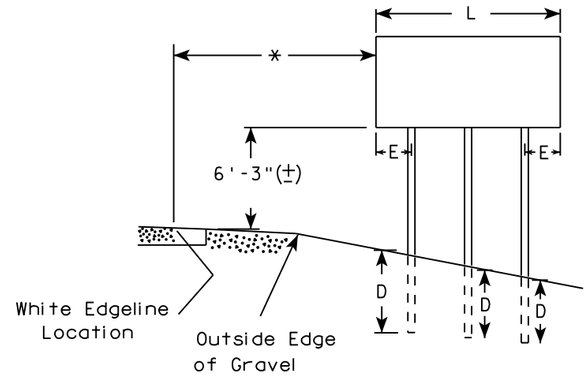
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

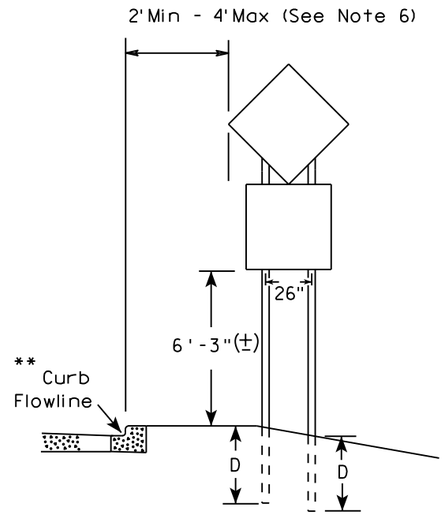
URBAN AREA



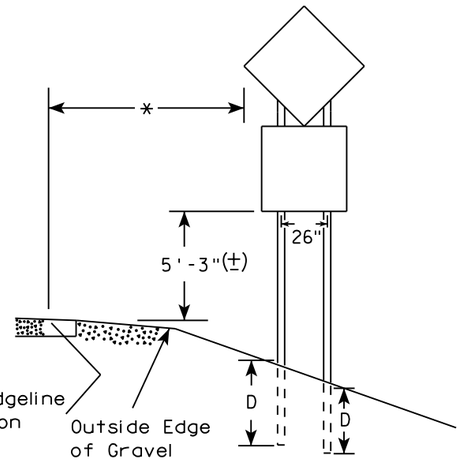
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

***	SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
	L	E
	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

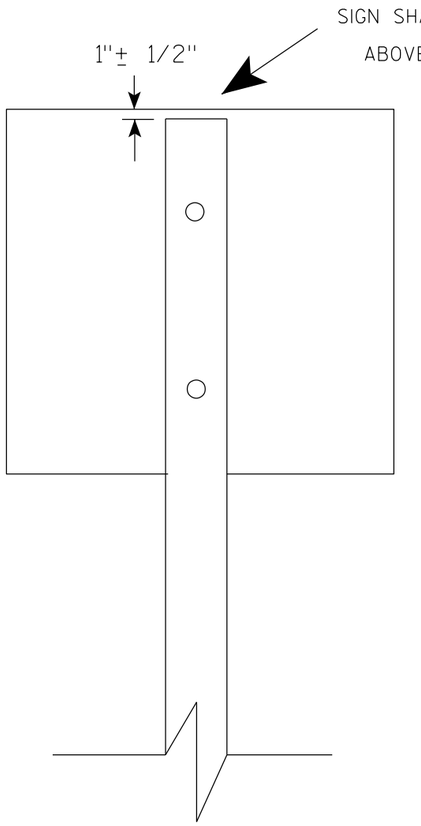
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

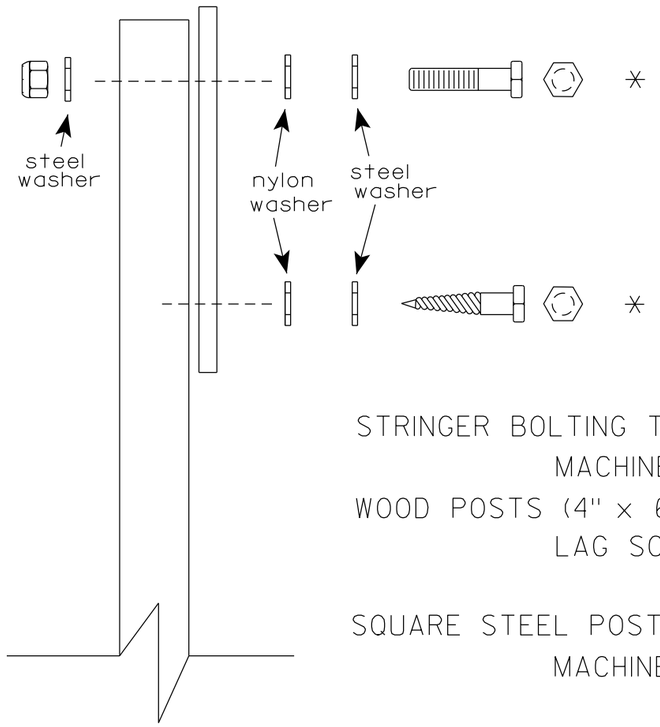
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 436	E





Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

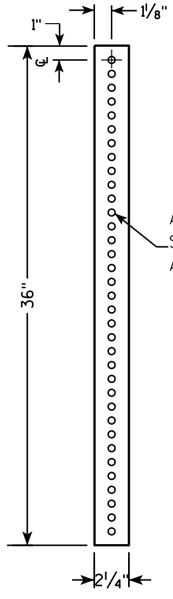
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

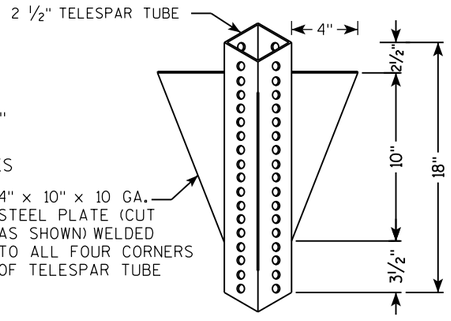
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

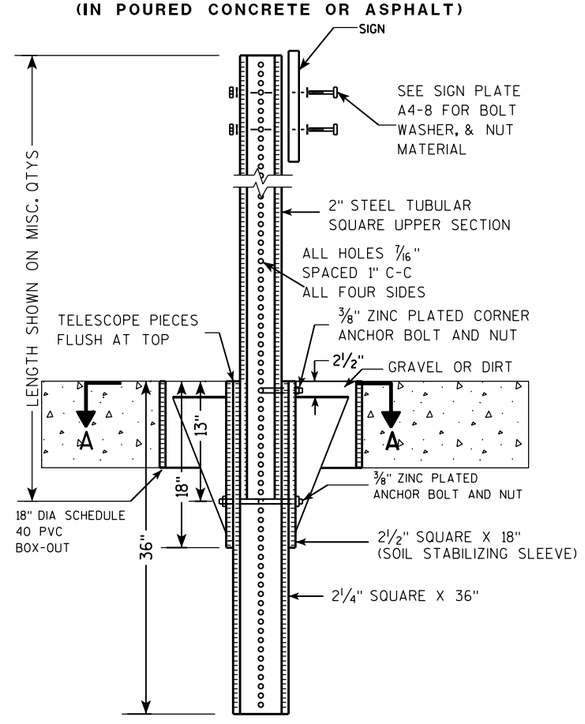
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



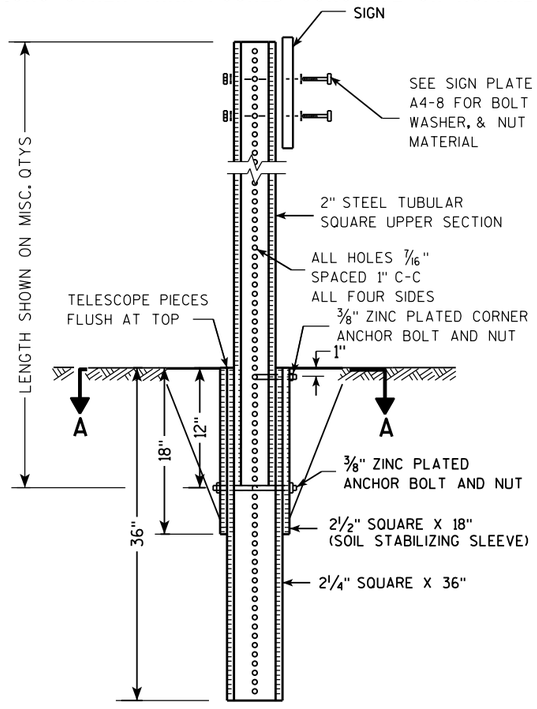
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

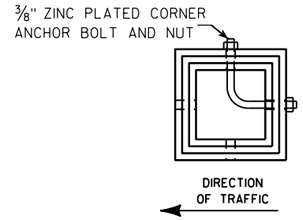


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

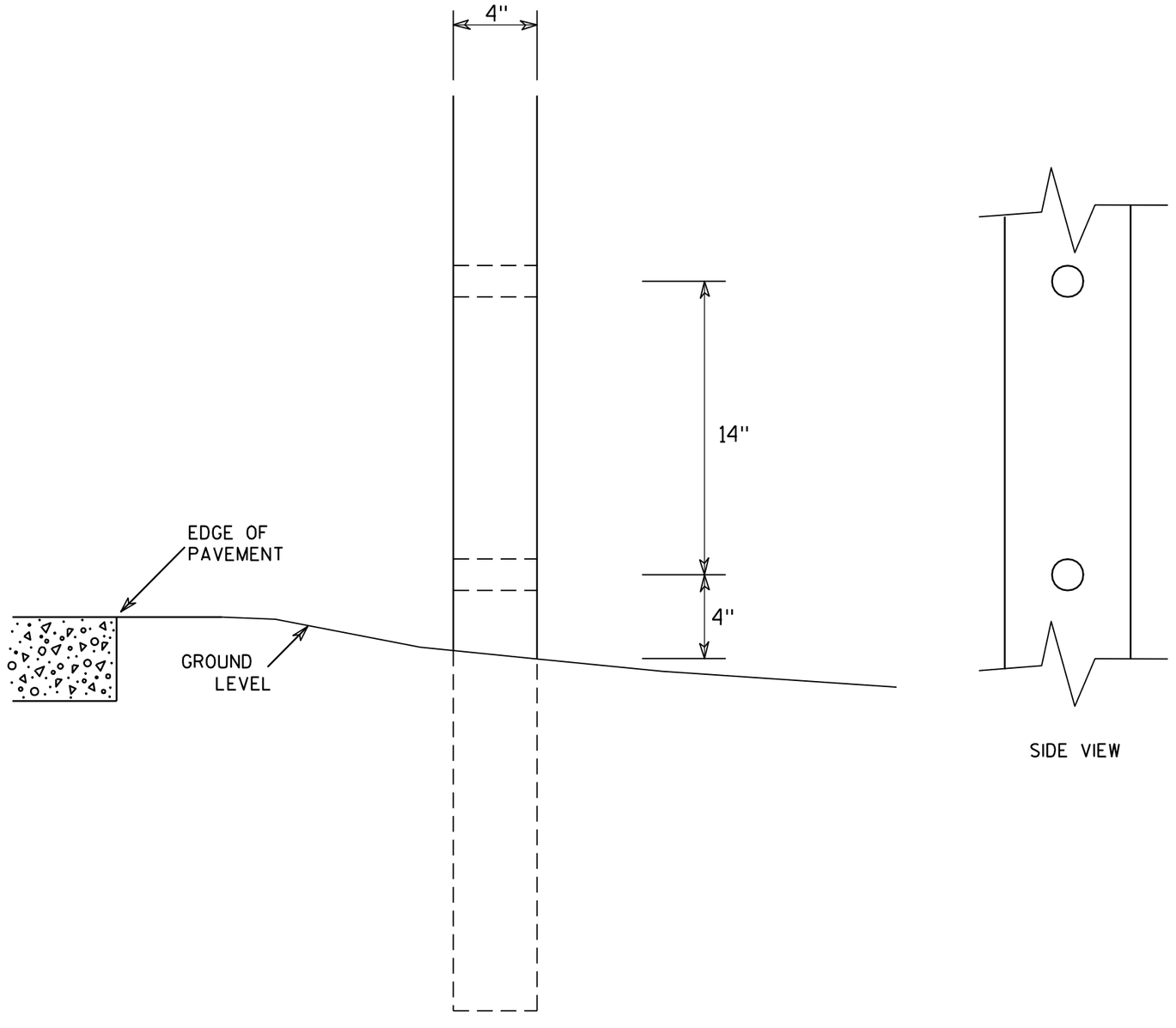
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 438 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

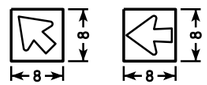
WISCONSIN DEPT OF TRANSPORTATION

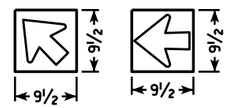
APPROVED Chester J Spang for State Traffic Engineer

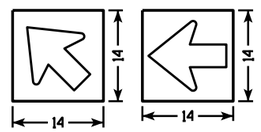
DATE 3/27/97 PLATE NO. A4-11.2

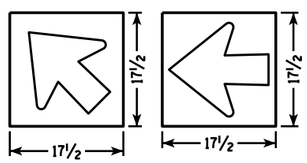
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 439	E

SIGN LAYOUT WITH VARIOUS SIZED MESSAGES







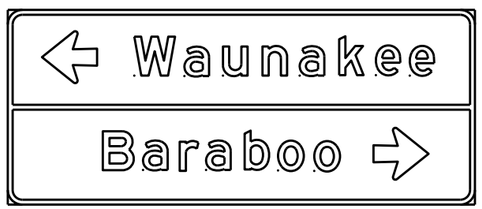


GENERAL NOTES

1. Materials shall conform to Standard Specification Section 637.
   Base - Sheet Aluminum 0.040" Thickness
   Sheeting - Orange Type F Reflective
   Arrow - Black Non-Reflective
2. Arrow signs shall be fastened to permanent sign by either aluminum rivets or aluminum self-tapping sheet metal screws. There shall be a minmum of 2 fasteners used per arrow sign.
3. There shall be a spacer consisting of a 0.08" nylon washer between the back of the arrow sign and the face of the permanent sign.
4. Arrows are per standard plate A1-2
5. Use separate arrow sign for each destination
6. Tilt arrow is always at 45 degrees
7. Arrow is centered on arrow sign

Lower Case Copy Size	Standard Width (Single Arrow)	2 Line Tilt Arrow Cover Width	3 Line Tilt Arrow Cover Width	Height
3¾" Series C	8	9 ½	14 ½	8
4½" Series D & E	9 ½	10	15	9 ½
6" Series D & E	14	16	20 ½	14
8" Series E	17 ½	20 ½	25	17 ½

BEFORE



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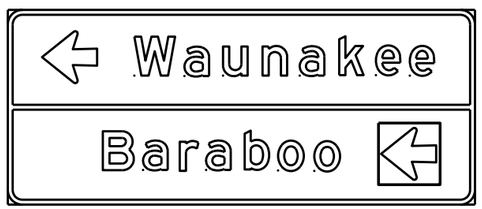
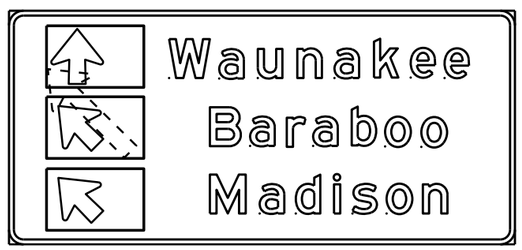




DESTINATION DIRECTIONAL ARROW FOR DETOUR SIGNS

WISCONSIN DEPT OF TRANSPORTATION

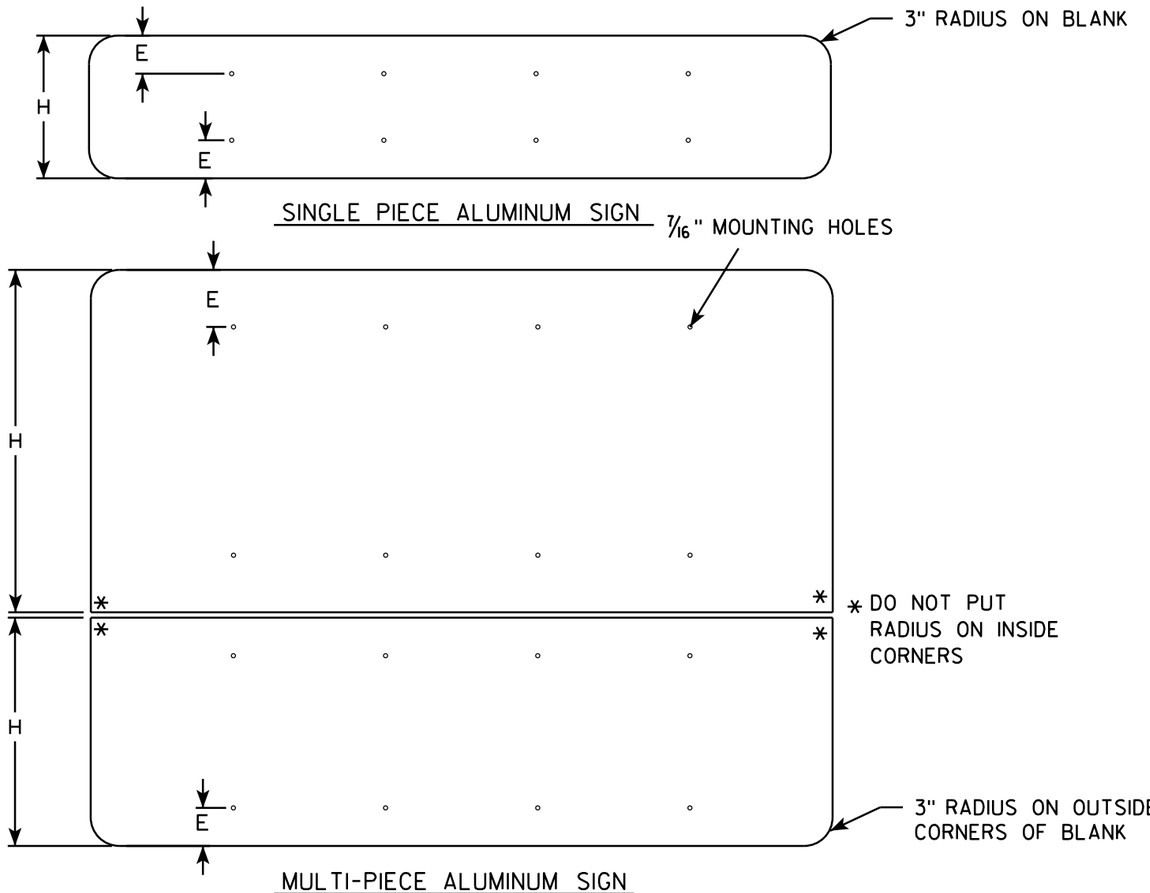
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/08/14

A4-12.2

PROJECT NO:

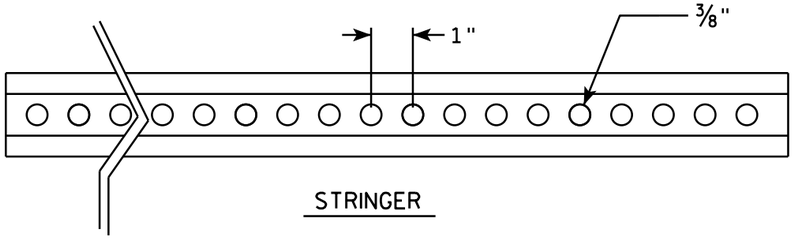
SHEET NO: E



GENERAL NOTES

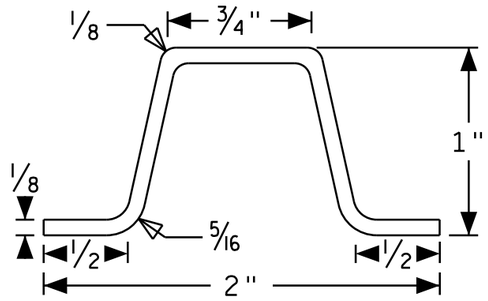
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

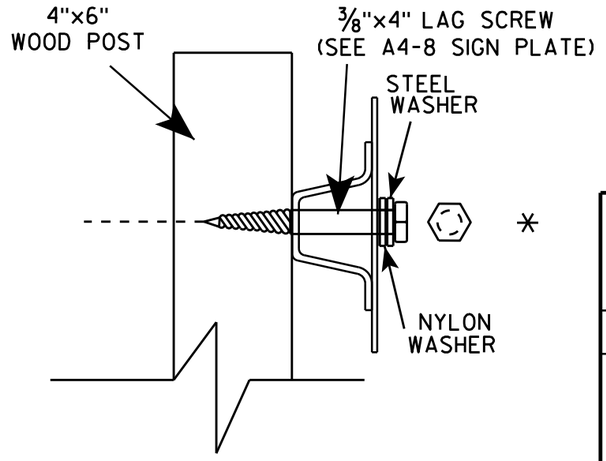


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

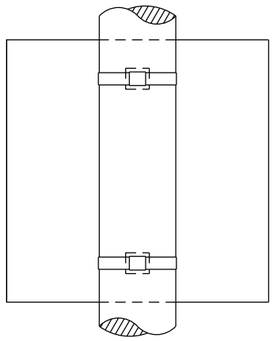
DATE 4/26/16 PLATE NO A4-18.1

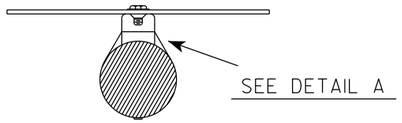
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

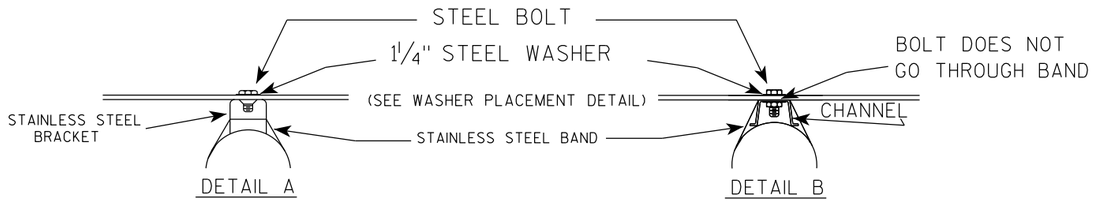
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

BANDING

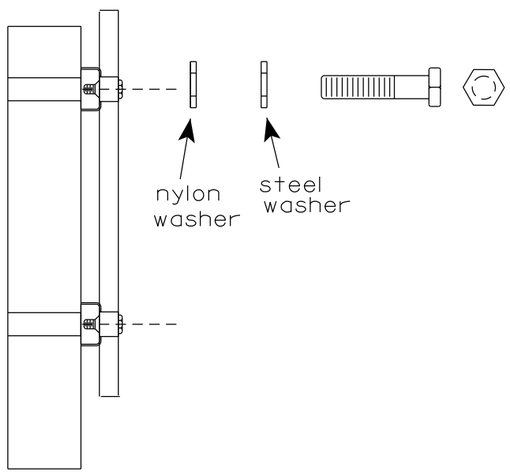
SINGLE SIGN







WASHER PLACEMENT

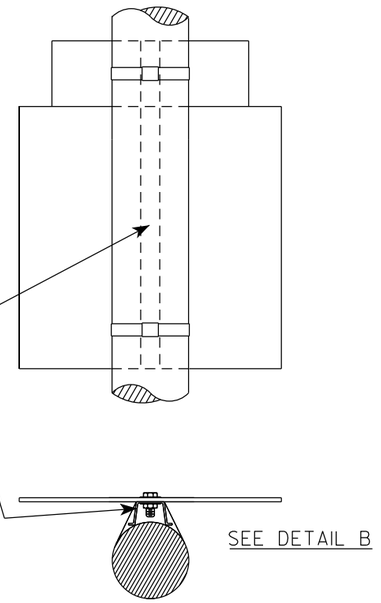


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

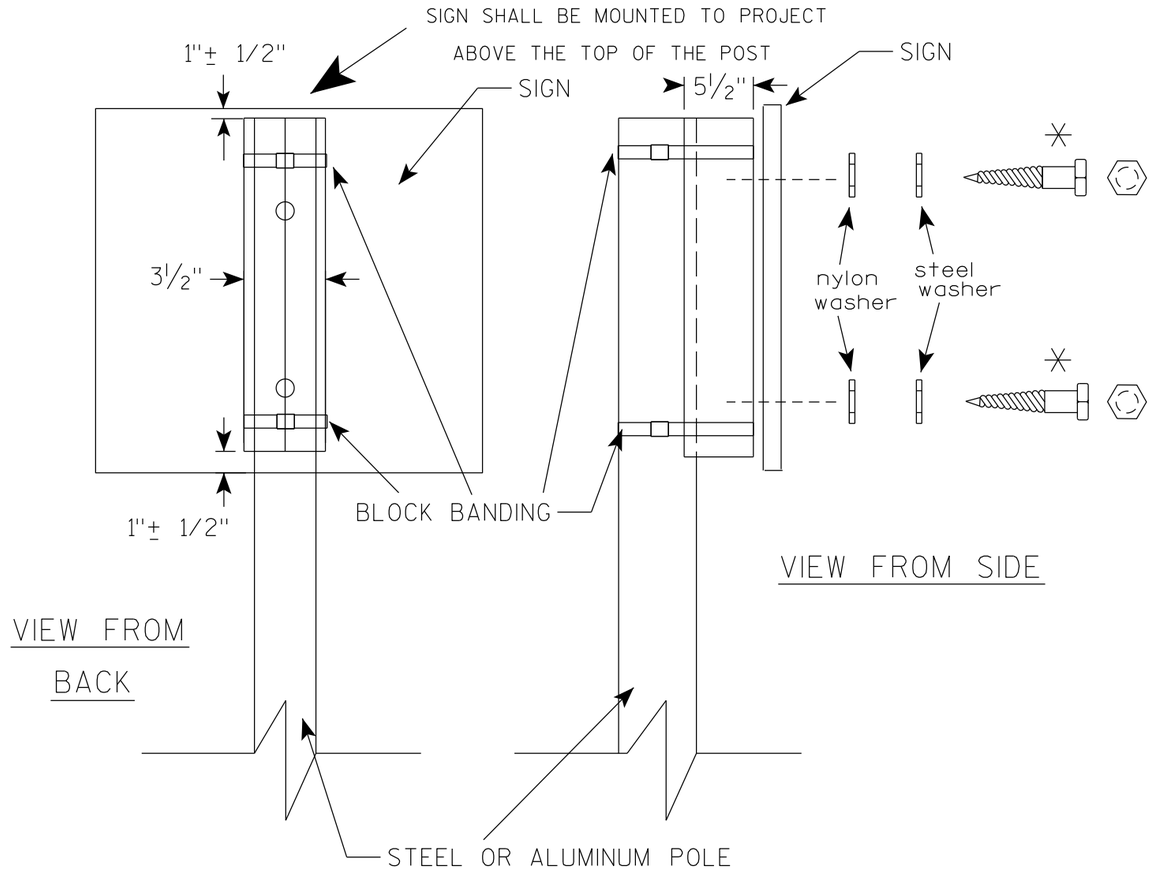
DATE 6/10/19 PLATE NO. A5-9.4

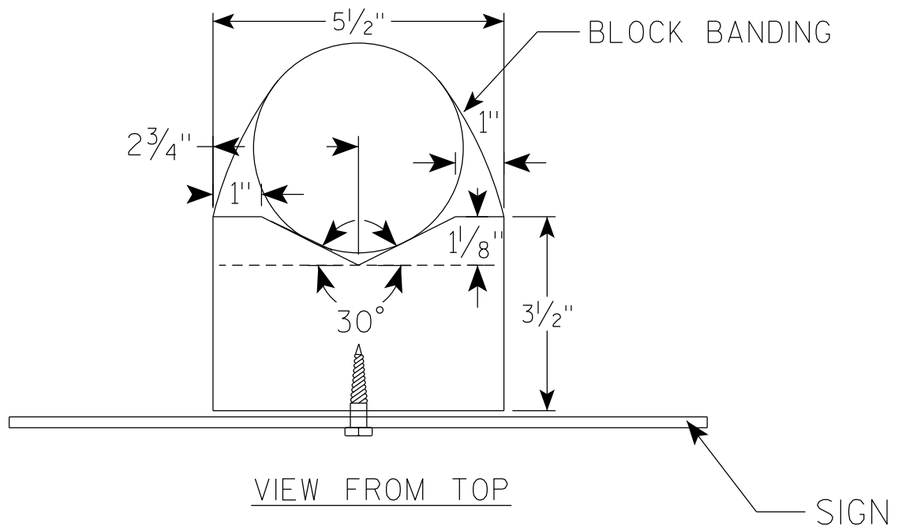
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 442	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

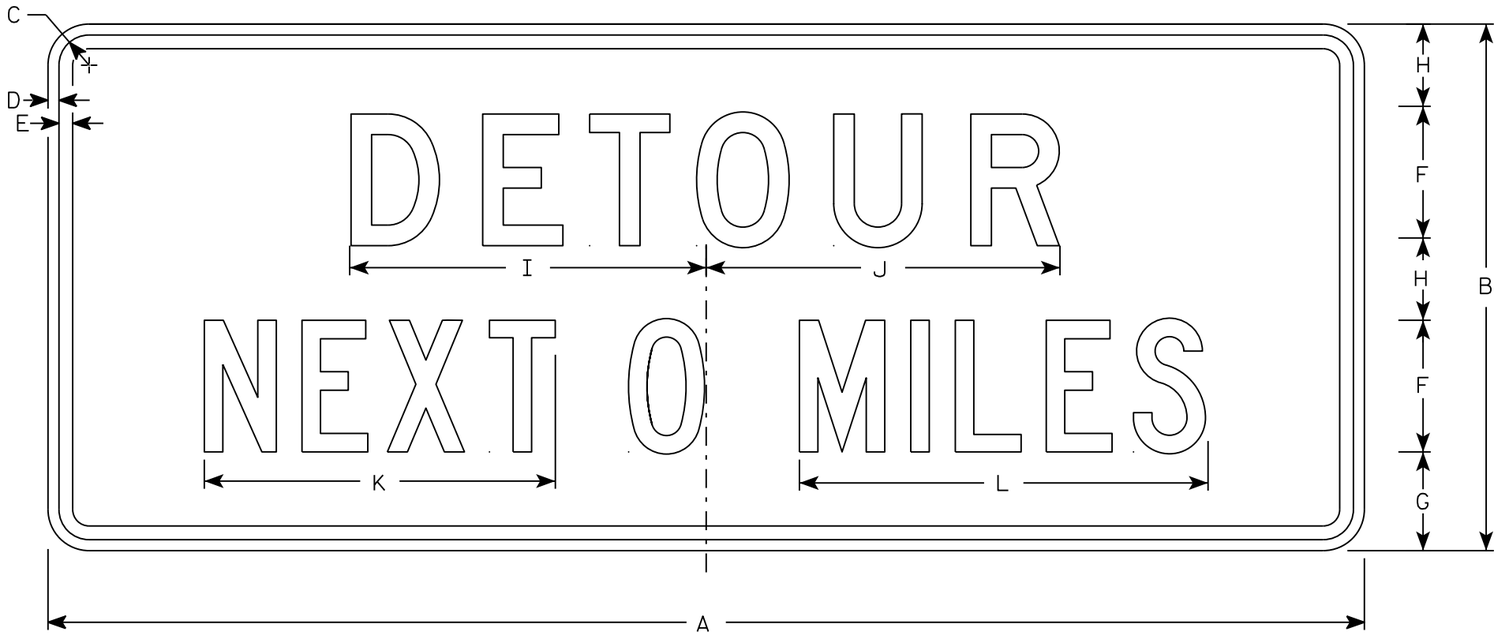
BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-10.2

PROJECT NO: | SHEET NO: 443 | E



G20-51

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - Line 1 is D and Line 2 is C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Round distance to nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10
3																											
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10
5																											

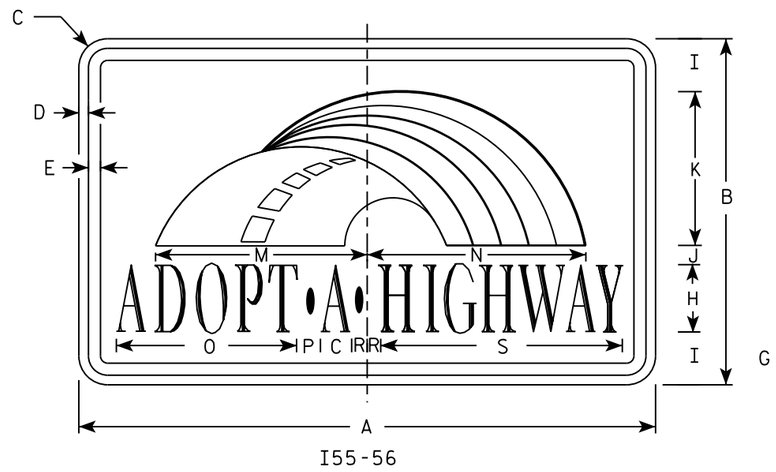
STANDARD SIGN
G20-51

WISCONSIN DEPT OF TRANSPORTATION

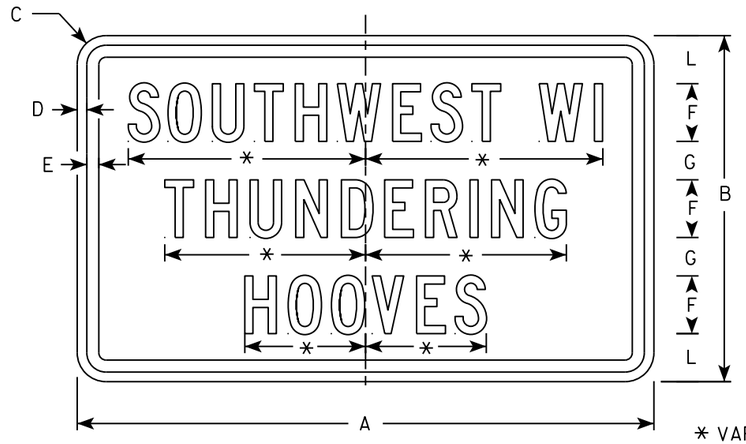
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/14/17 PLATE NO. G20-51.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 444	E



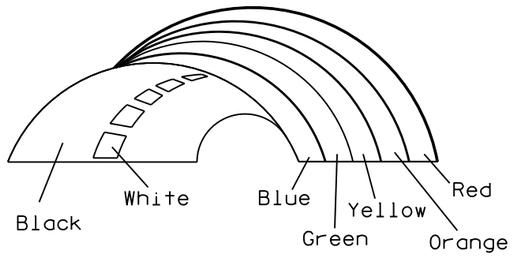
I55-56



* VARIES

I55-56P

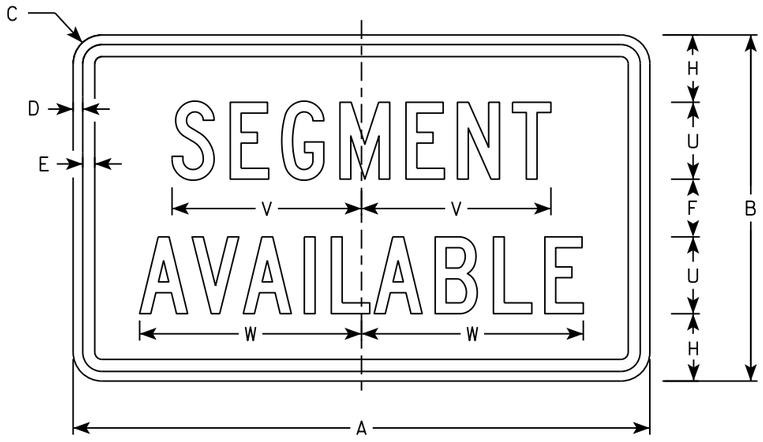
Background Colors of Symbol*



*1/4" Black Border between each color of rainbow and border of rainbow

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - (See Note 4)
3. Message Series - (See Note 5)
4. Border - Blue
   Adopt a Highway - Red
   All other Text - Blue
5. Adopt a Highway - Dutch 8011L
   All other Text - Series C
6. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.



I55-56S

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	18	1 1/2	1/2	5/8	3	2	3 1/2	2 3/4	1	8	2 1/2	11 1/4	11 1/8	9 3/8	1 1/4		3/4	12 5/8	7 1/2	4	9 7/8	11 1/2				3.75
3																											
4																											
5																											

STANDARD SIGN
I55-56

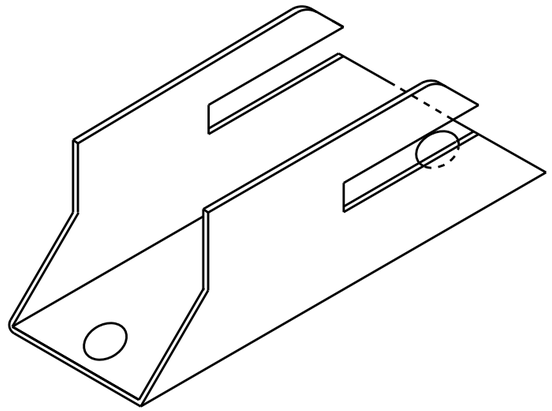
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

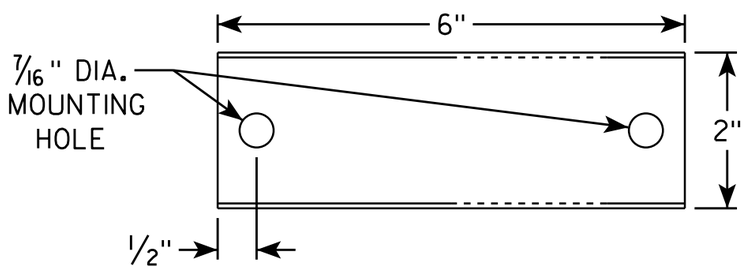
DATE 2/20/18 PLATE NO. I55-56.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 445 | E

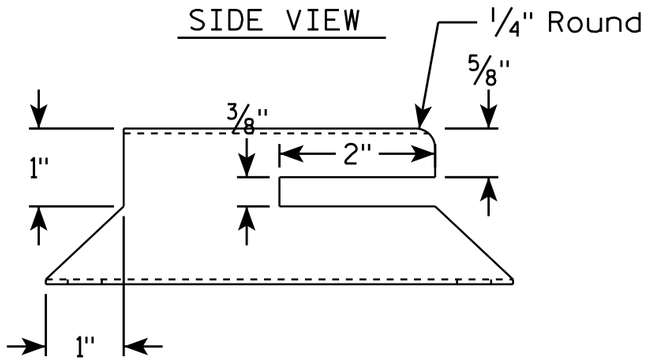
ISOMETRIC VIEW



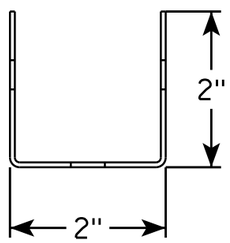
TOP VIEW



SIDE VIEW



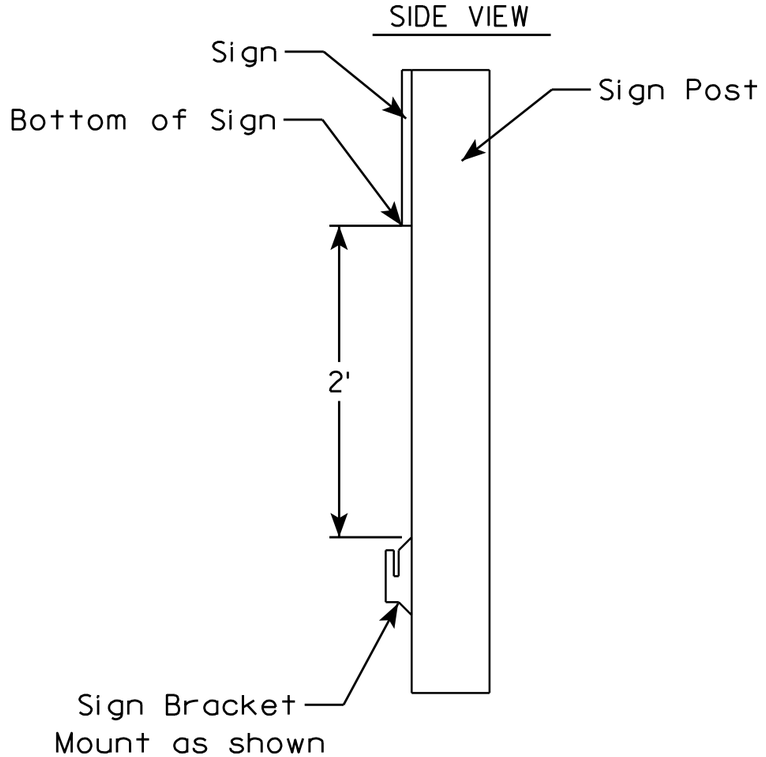
END VIEW



NOTES

1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1/8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

SIDE VIEW



7

7

ROLLUP SIGN BRACKET
I55-56B

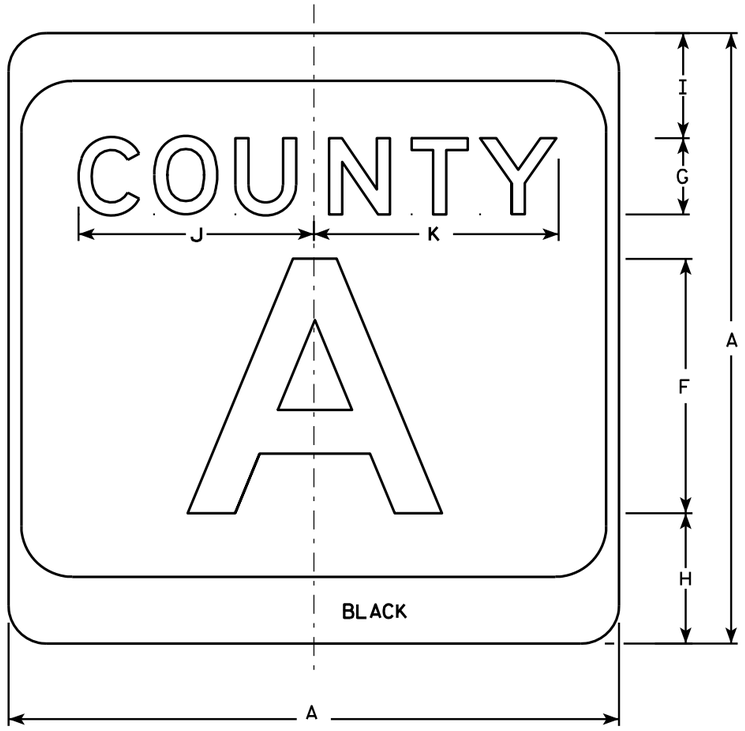
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

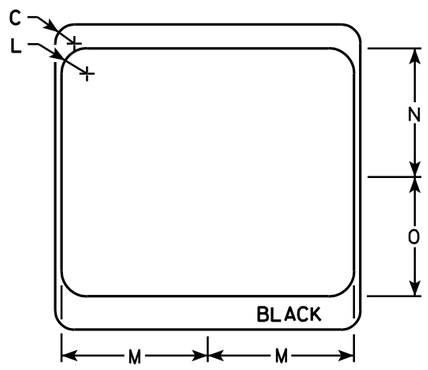
DATE 4/26/16 PLATE I55-56B.2

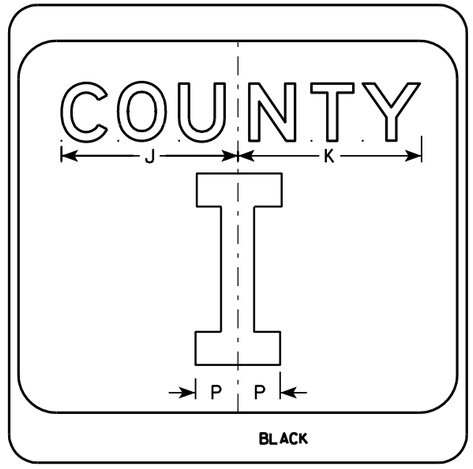
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

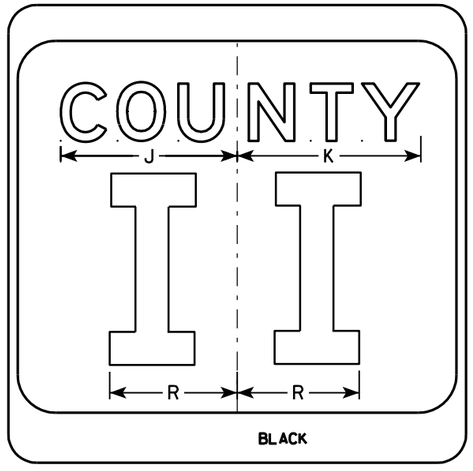
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\I5556B.DGN PLOT DATE : 26-APR-2016 17:29 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 1.945842:1.000000 WISDOT/CADDS SHEET 42



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

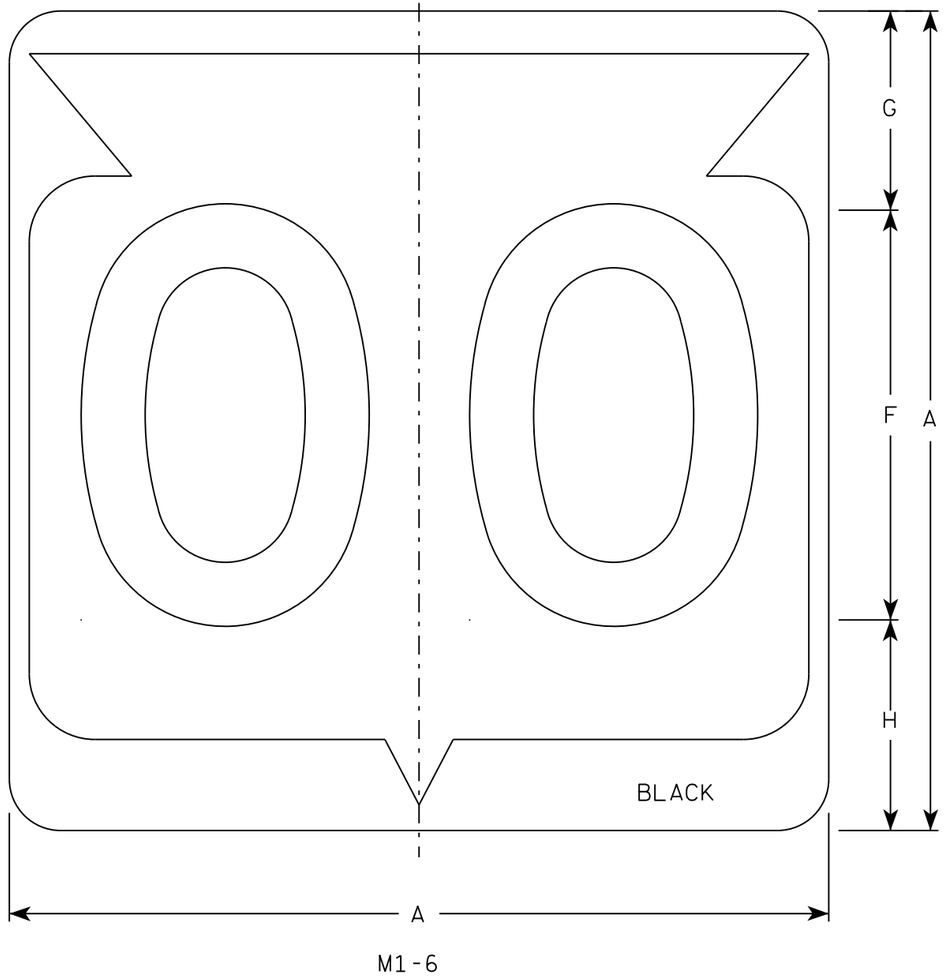
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

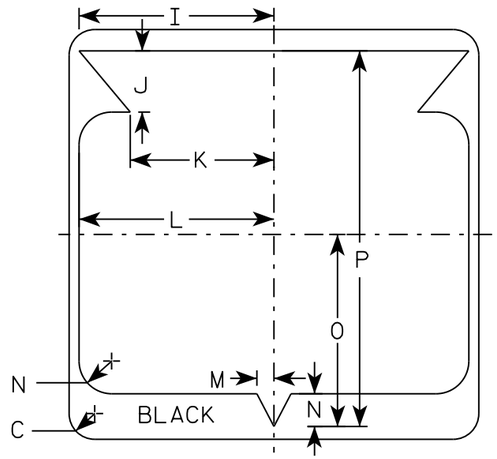
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 447	E



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

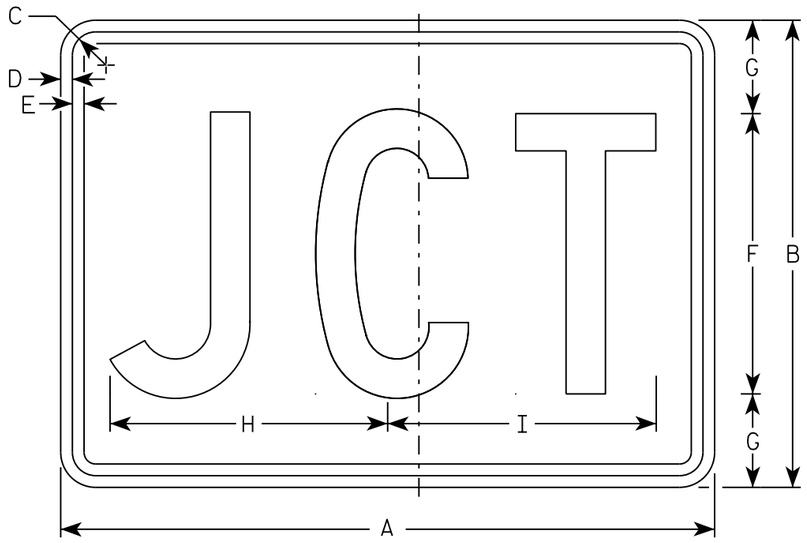
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

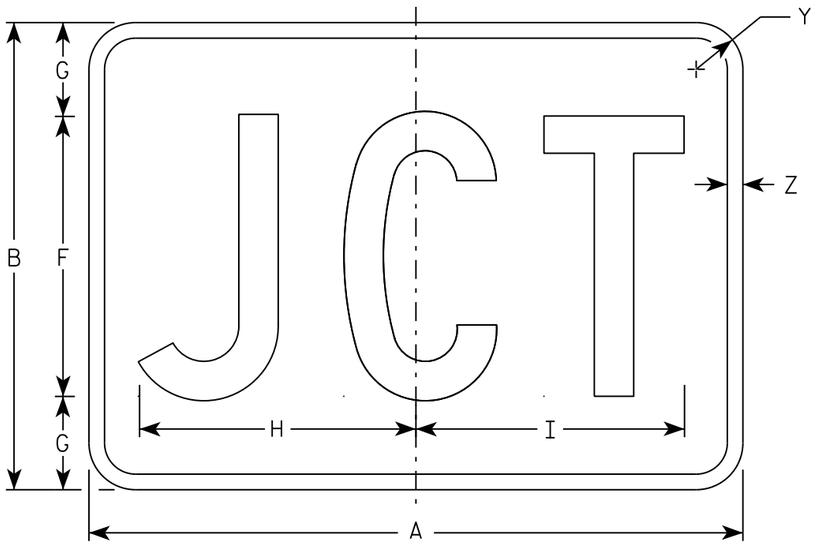
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 448	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

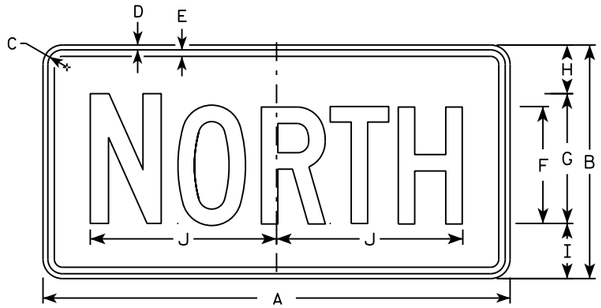
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

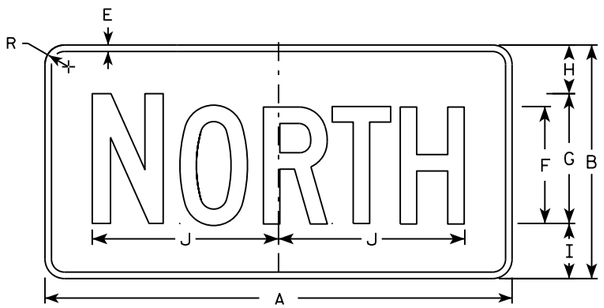
DATE 10/15/15 PLATE 449 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



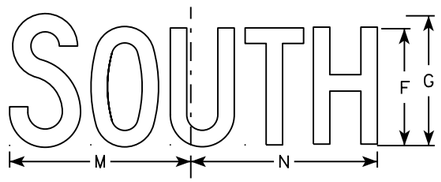
M3-1
MM3-1
MP3-1



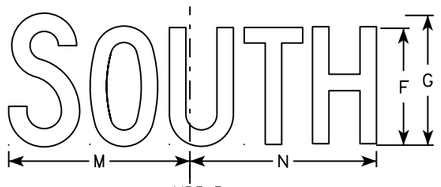
MB3-1
MK3-1
MN3-1

M3-2
MM3-2
MP3-2

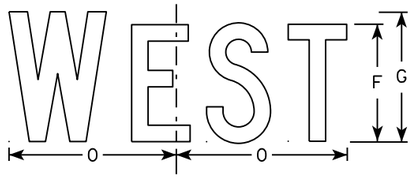
MB3-2
MK3-2
MN3-2



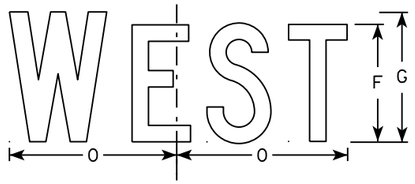
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

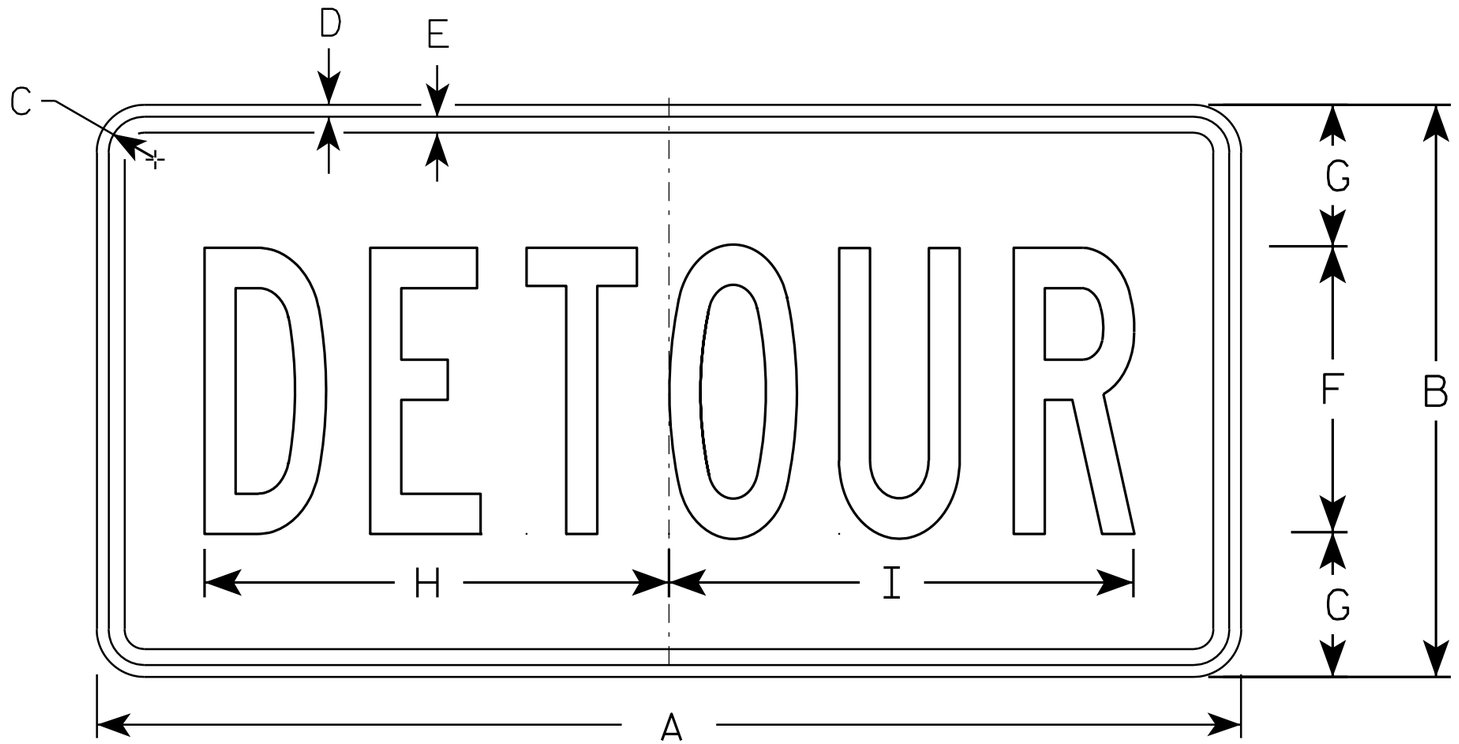
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

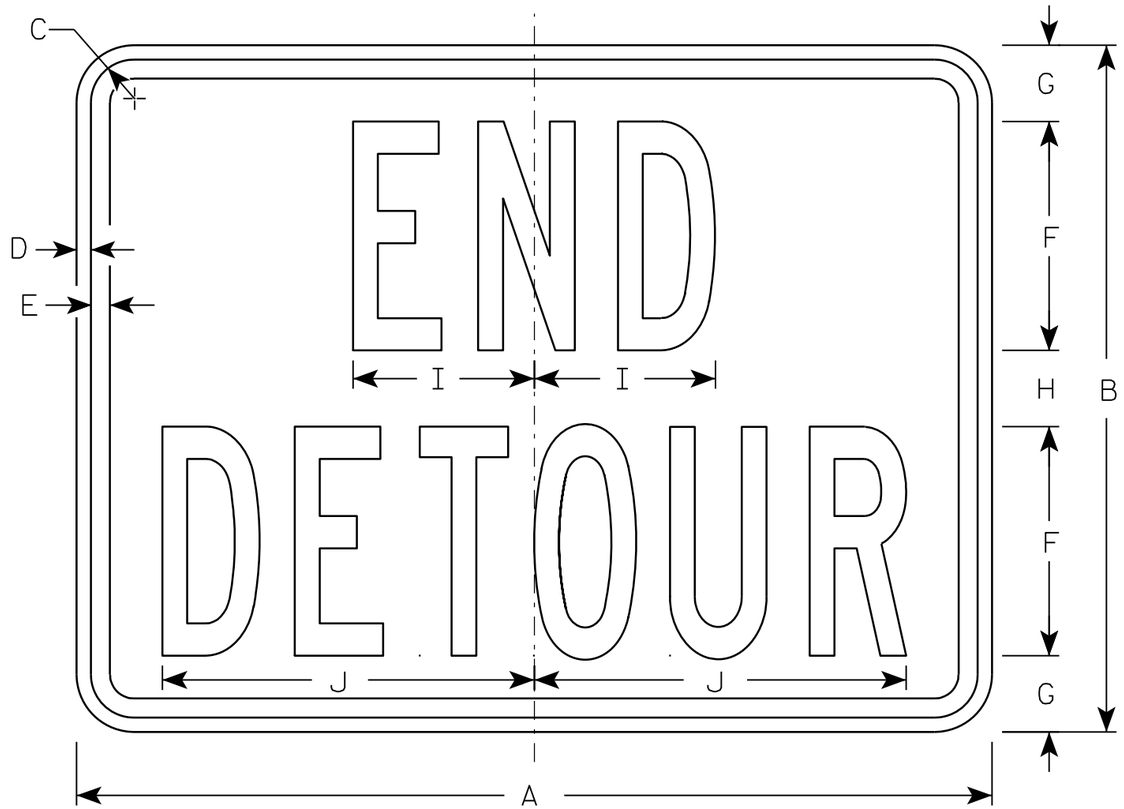
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 451	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

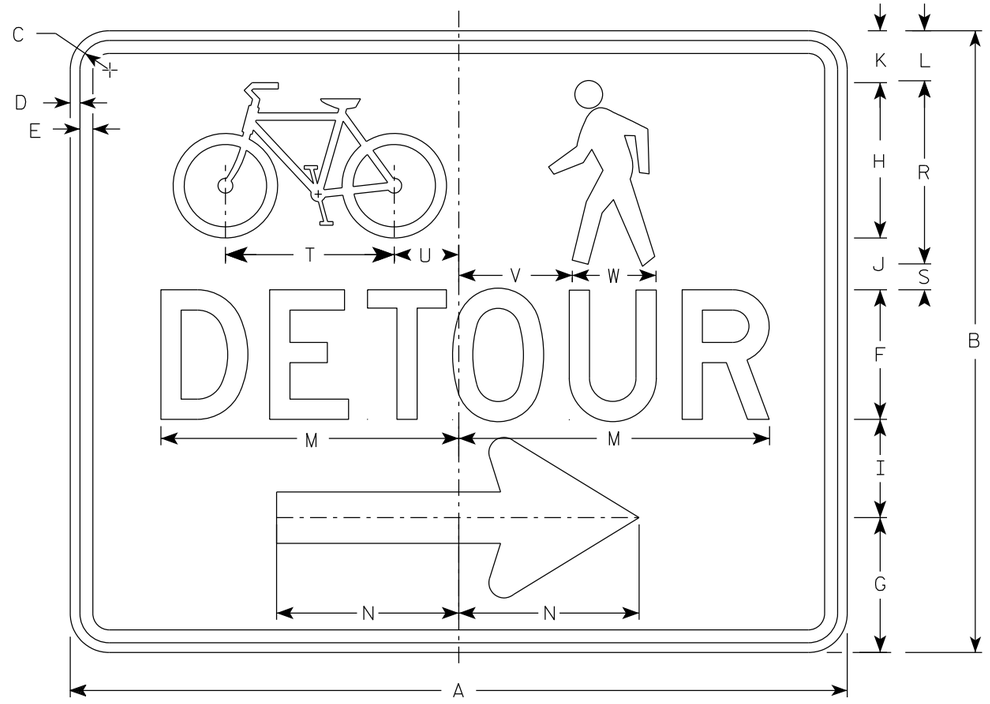
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

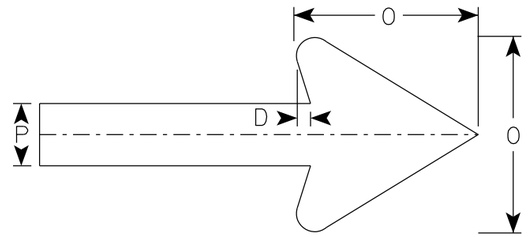
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 452	E



M4-9AR

NOTES

1. Sign is Type II-Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9AL is the same as M4-9AR except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	5 1/4	6	3 3/4	2	2	1 7/8	11 3/4	7	6	2		7 1/8	1	6 1/2	2 1/2	4 3/8	3 1/4				5.00
3																											
4																											
5																											

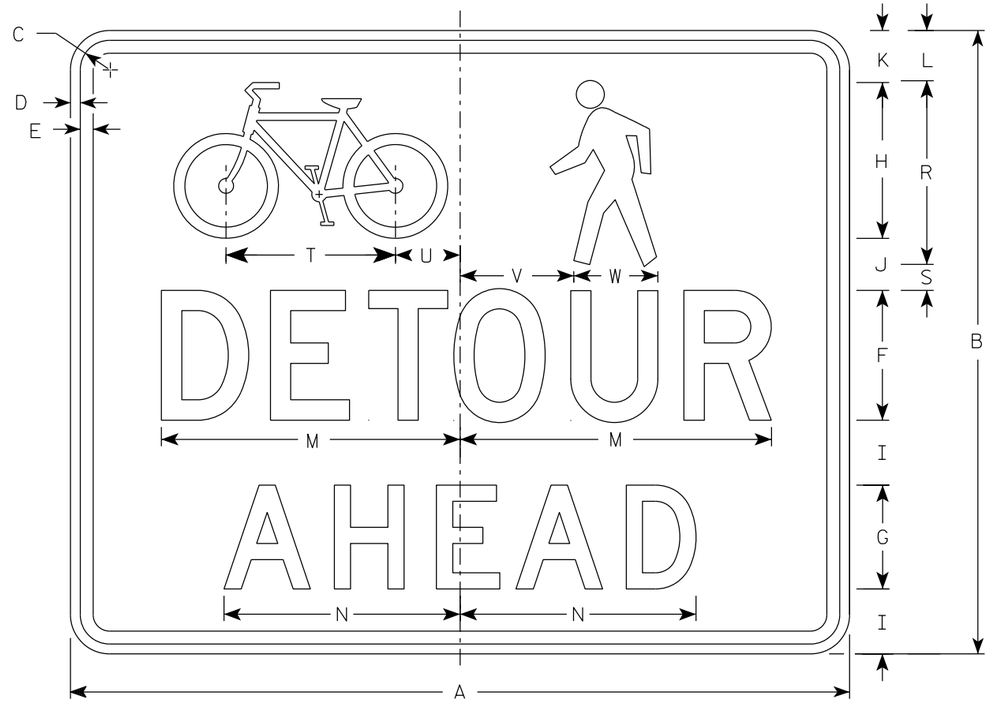
STANDARD SIGN
M4-9A L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/2/19 PLATE NO. M4-9A.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 453 | E



M4-9AA

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	4	6	2 1/2	2	2	1 7/8	11 3/4	9 1/8				7 1/8	1	6 1/2	2 1/2	4 3/8	3 1/4				5.00
3																											
4																											
5																											

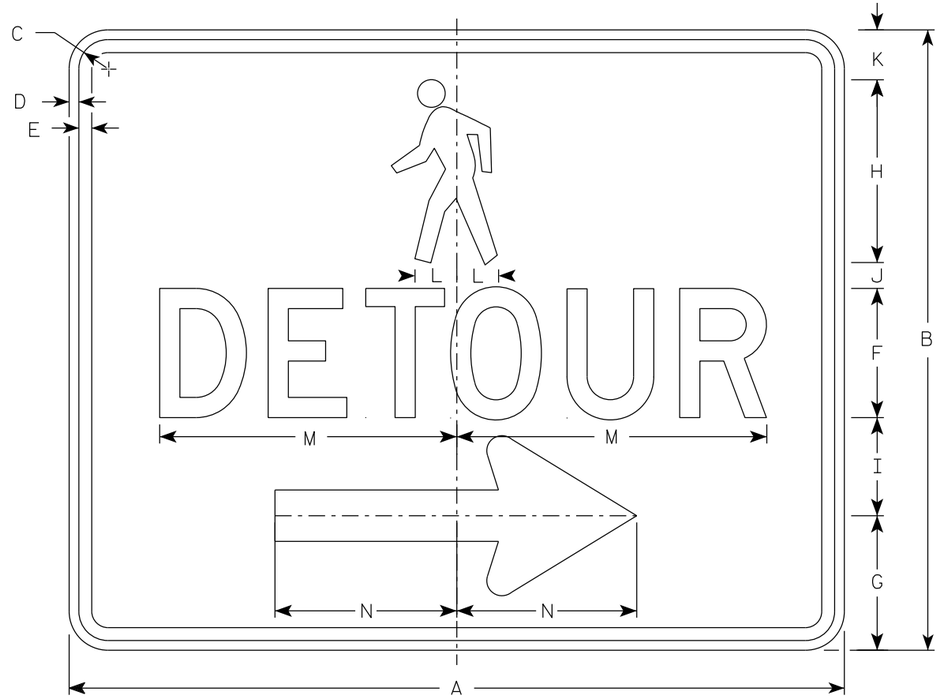
STANDARD SIGN
M4-9AA

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/7/2020 PLATE NO. M4-9AA.1

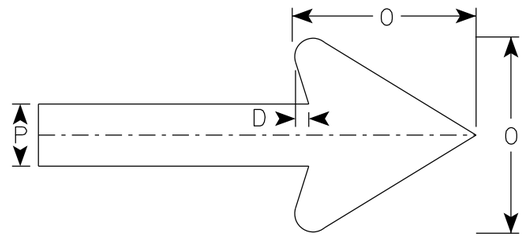
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 454	E



M4-9BR

NOTES

1. Sign is Type II-Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9BL is the same as M4-9BR except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.00
3																											
4																											
5																											

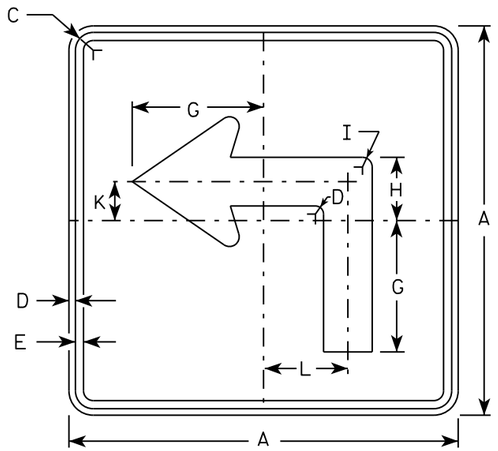
STANDARD SIGN
M4-9B L&R

WISCONSIN DEPT OF TRANSPORTATION

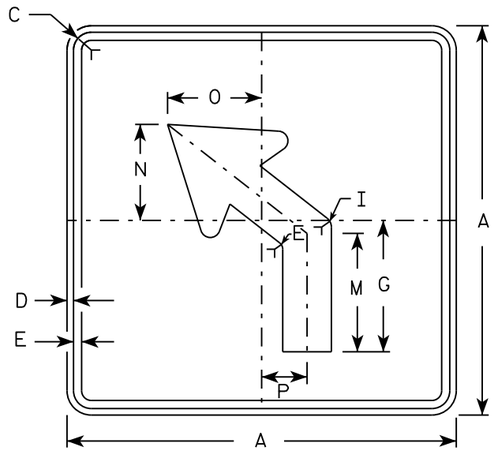
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 7/1/19 PLATE NO. M4-9B.2

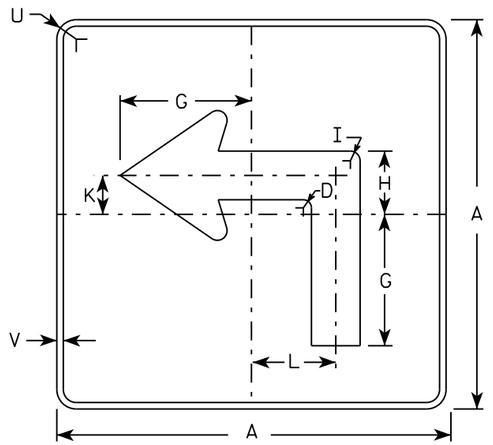
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 455 | E



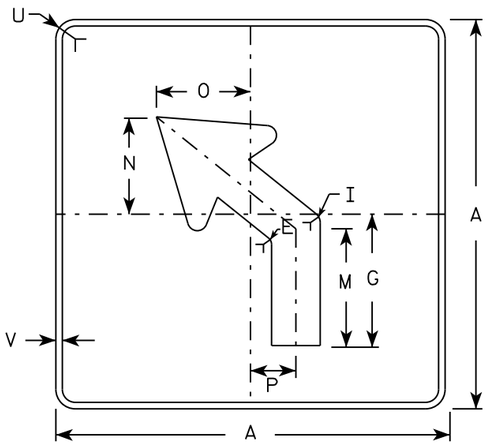
M5-1L
MM5-1L
MO5-1L
MP5-1L



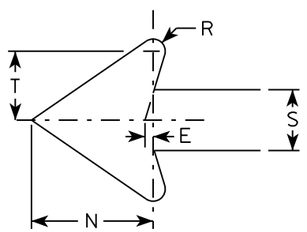
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

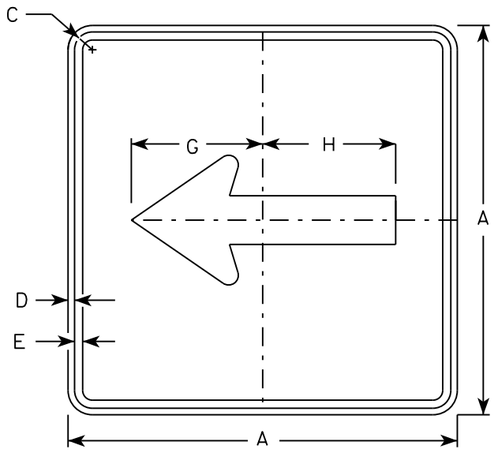
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

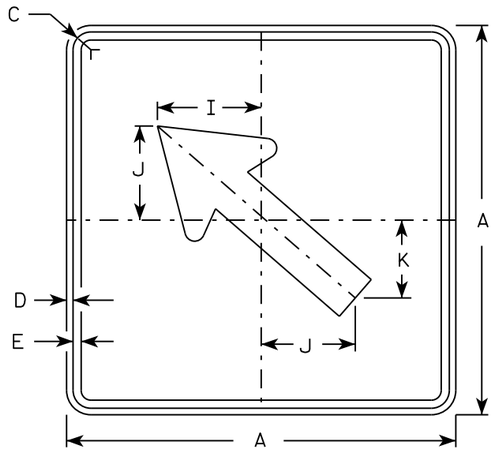
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



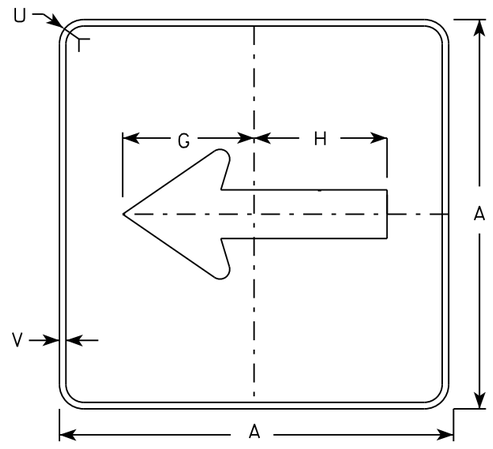
M6-1
MM6-1
MO6-1
MP6-1



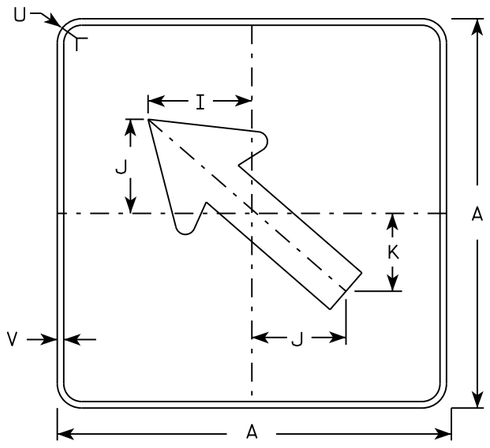
M6-2
MM6-2
MO6-2
MP6-2

NOTES

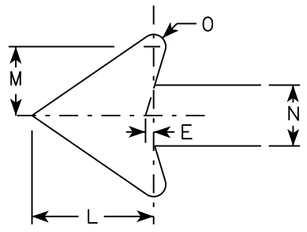
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

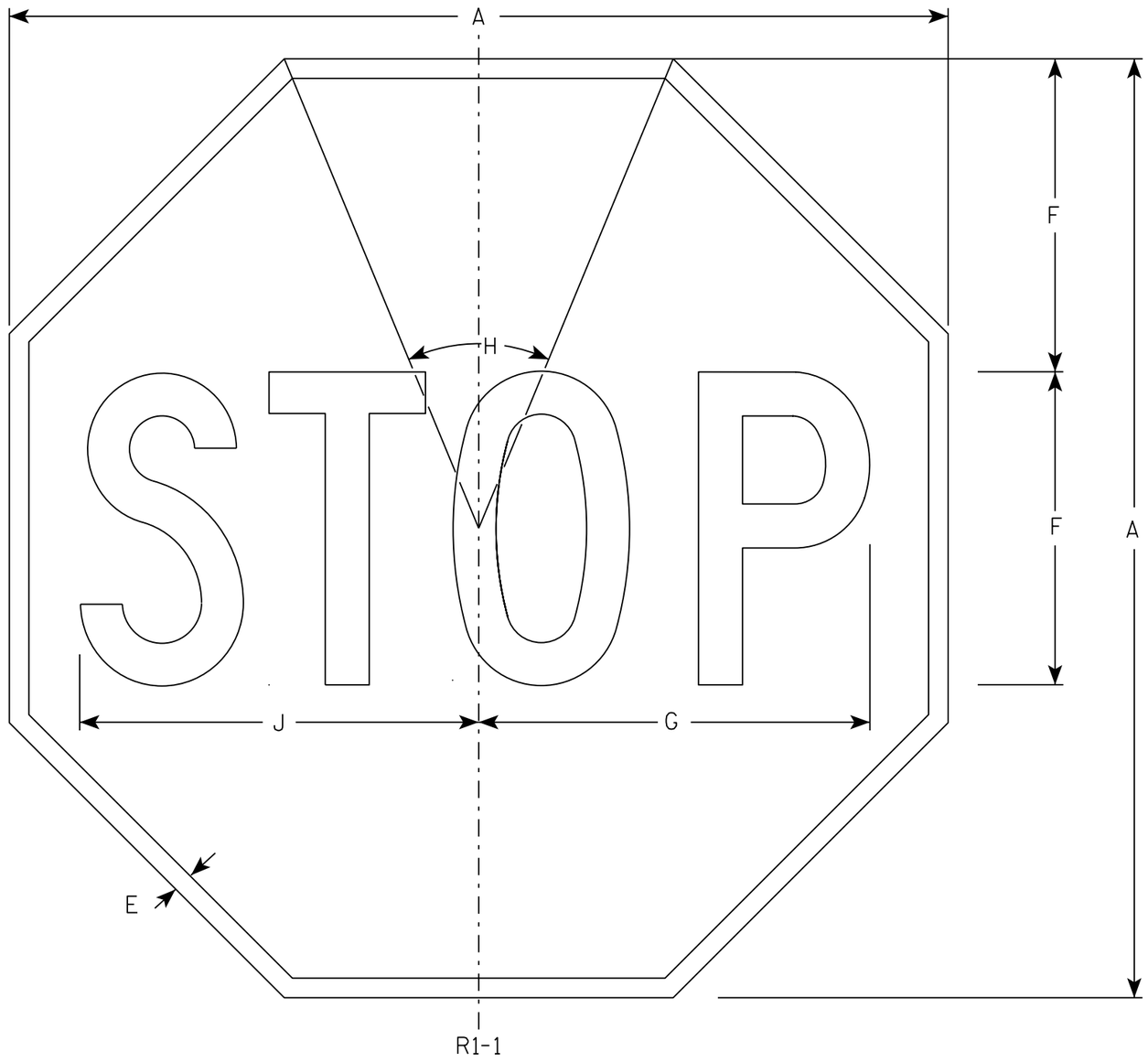
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 457 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

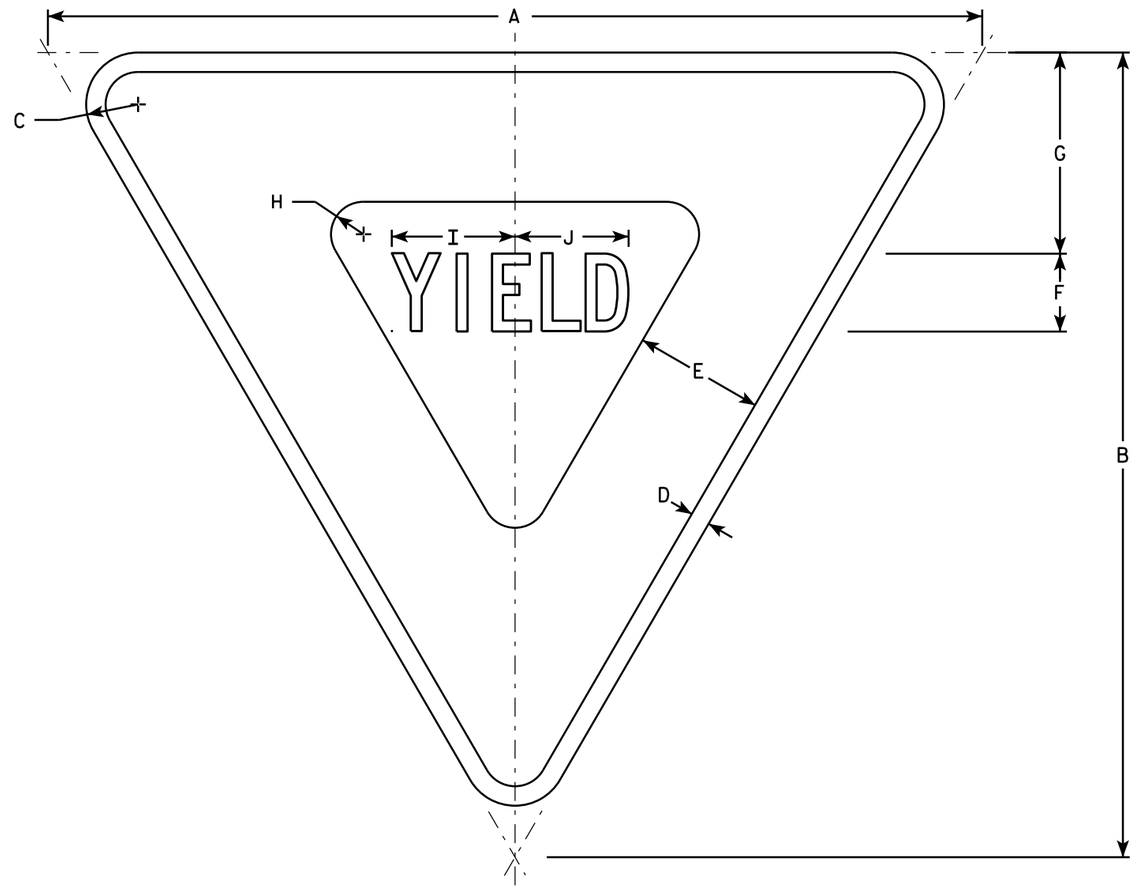
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 458	E



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

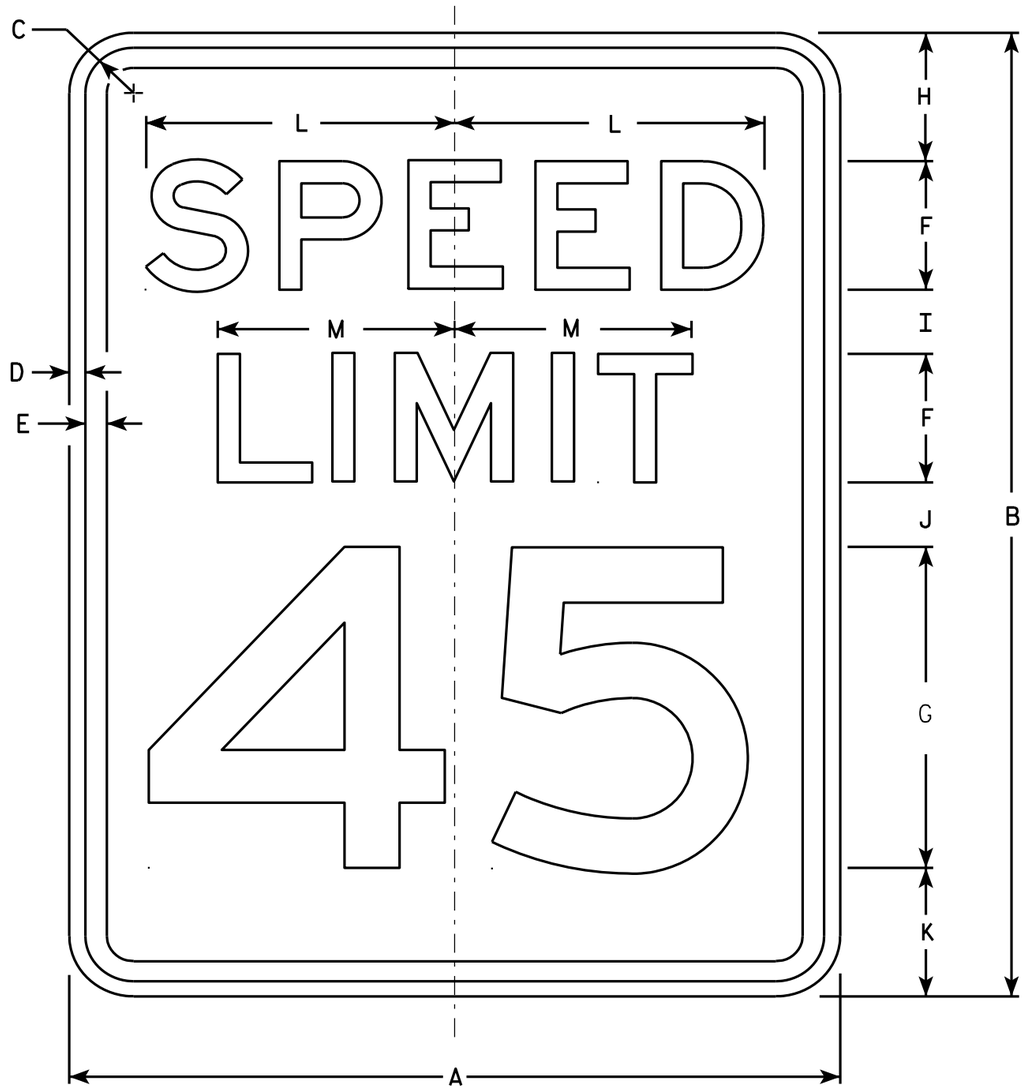
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

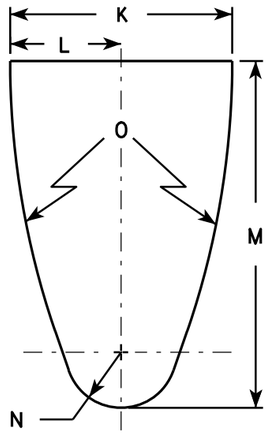
STANDARD SIGN
R2-1

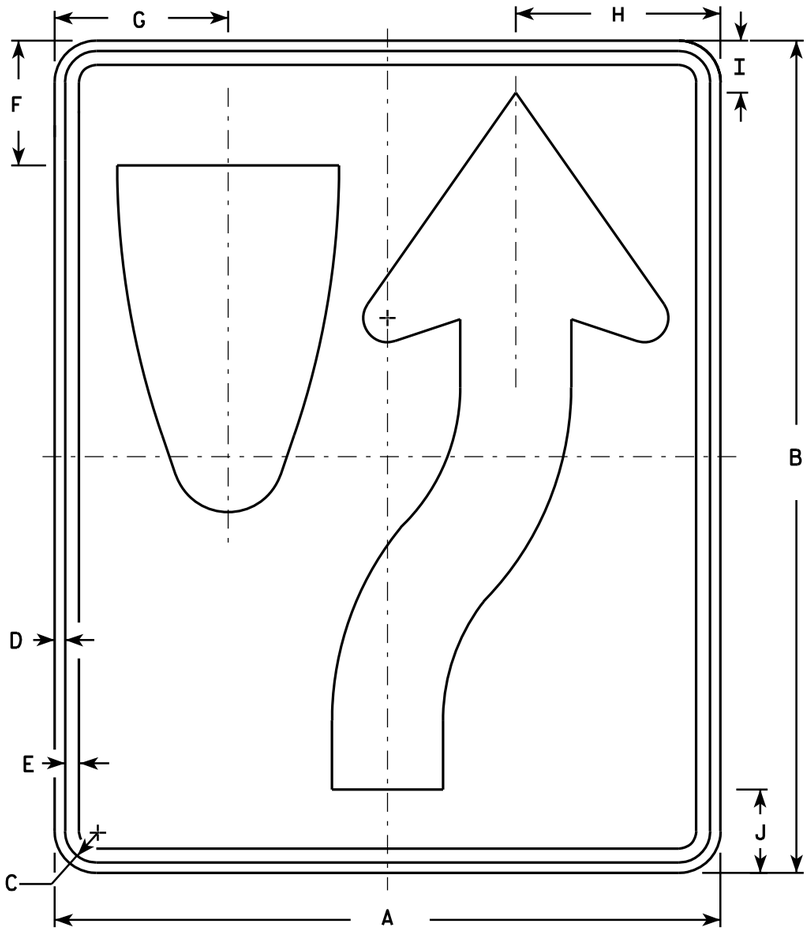
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 460 | E

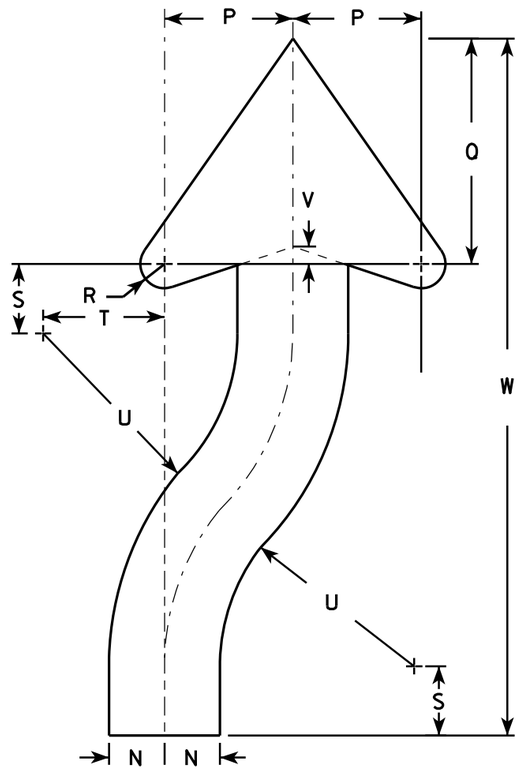




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

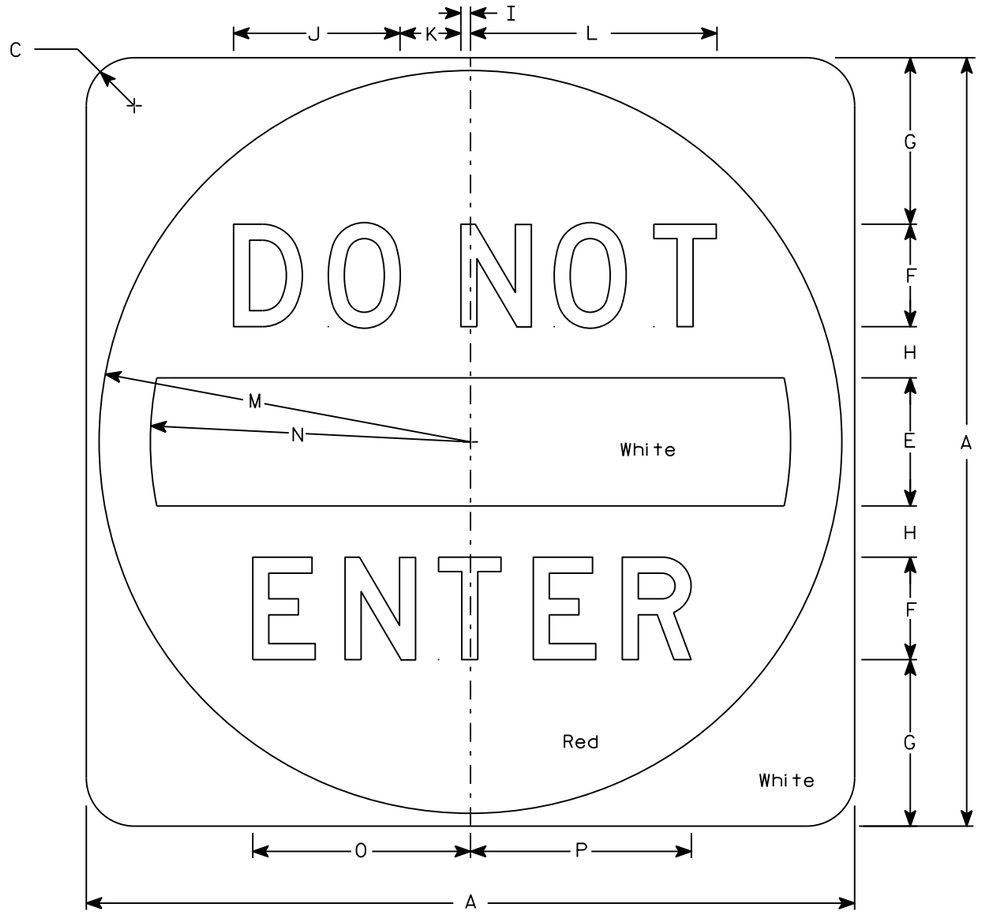
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 461	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

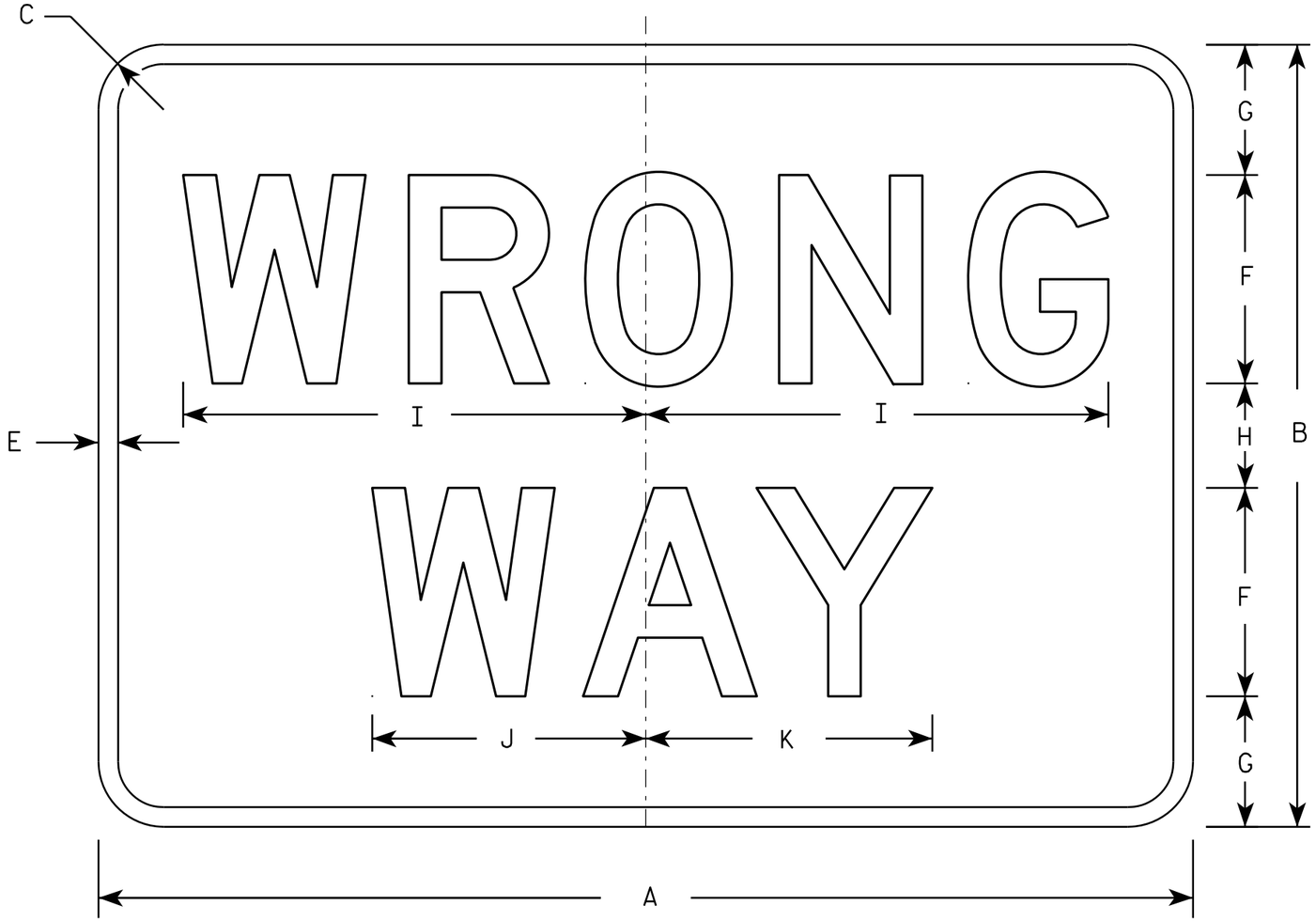
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 462 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

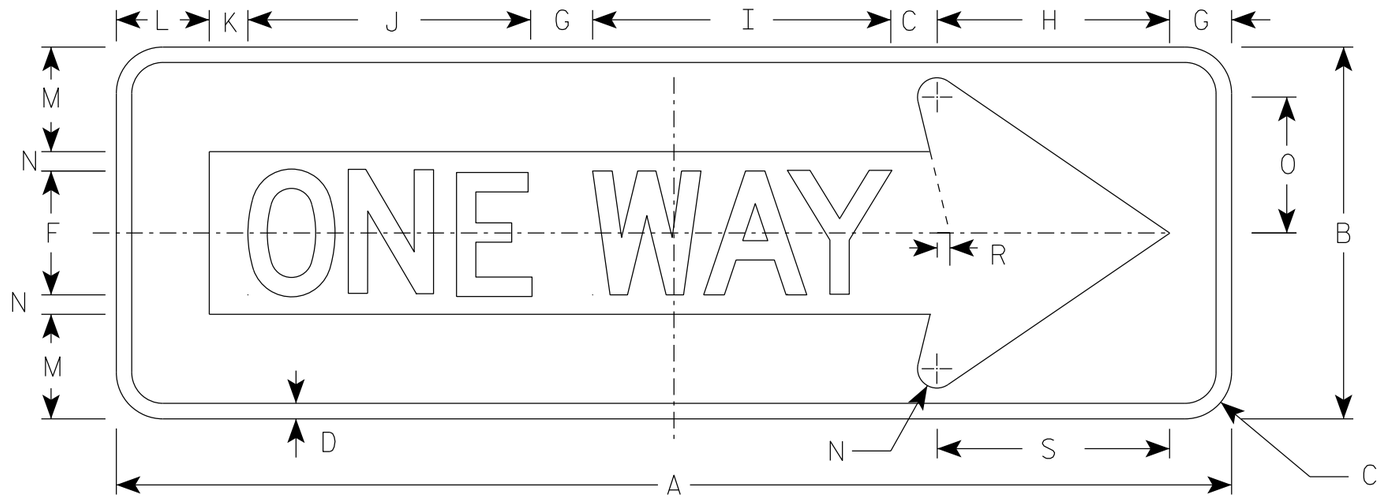
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

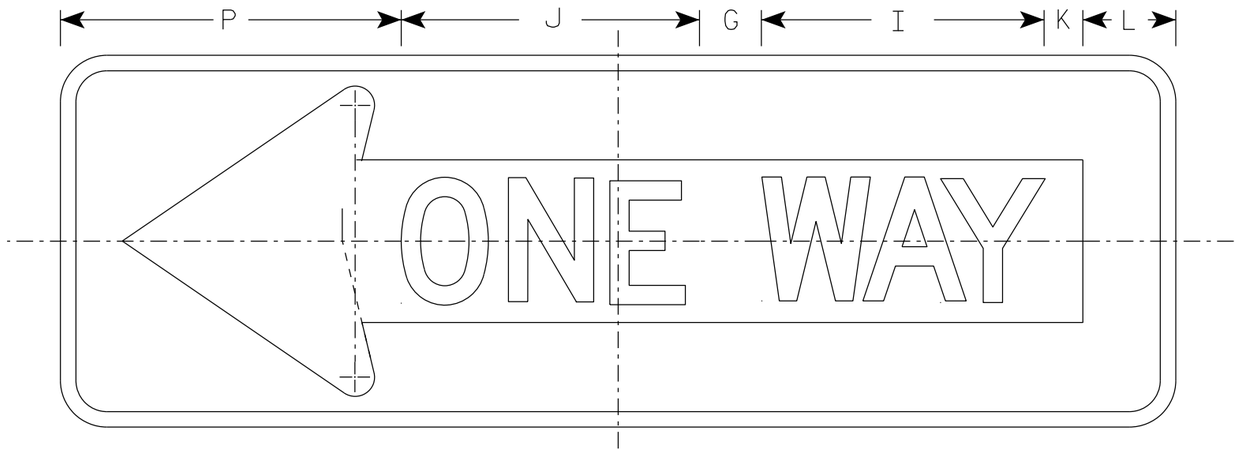
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 463	E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D



R6-1L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
3	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
4	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN
R6-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

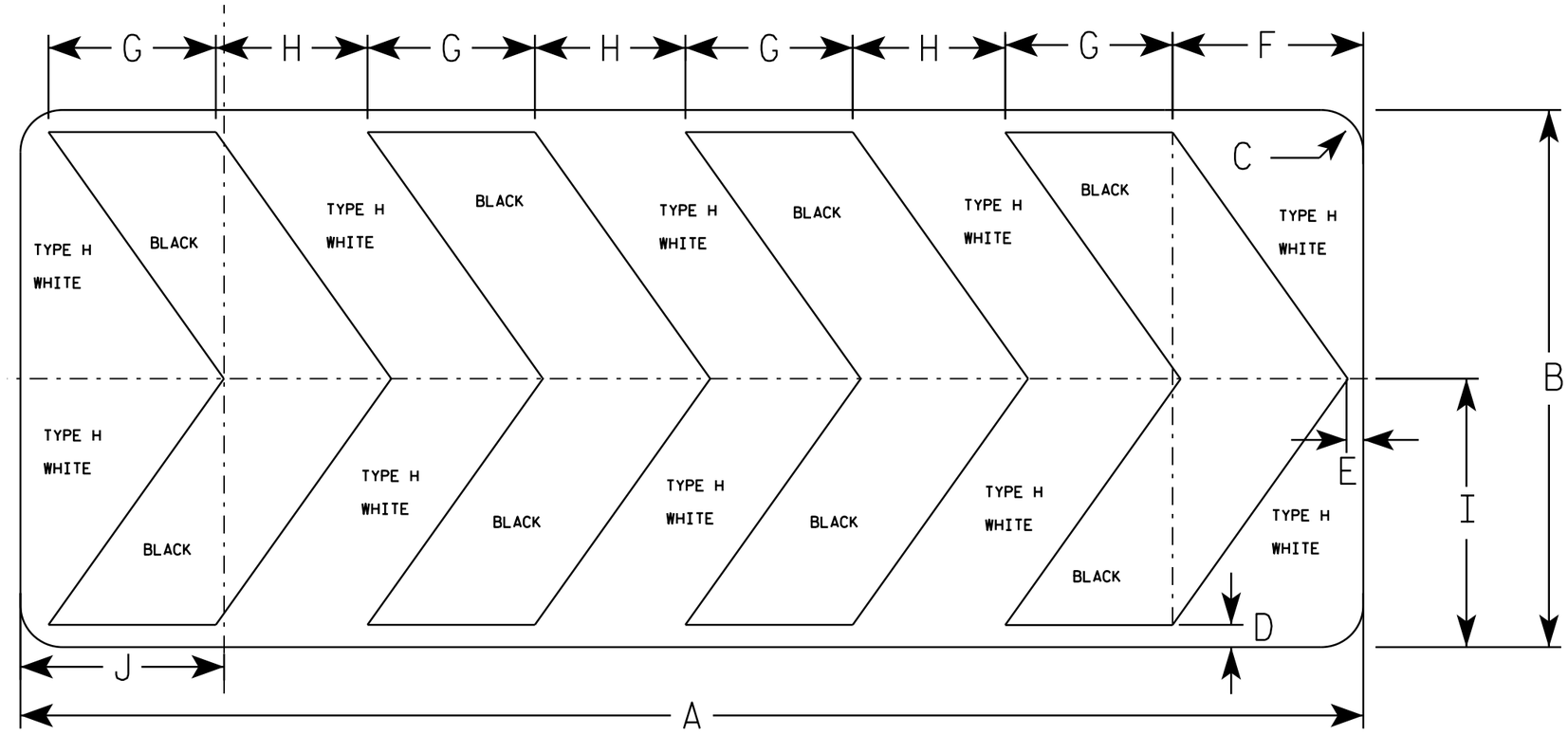
DATE 07/11/18 PLATE NO. R6-1.3

PROJECT NO:

SHEET NO: 464 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - WHITE
   Message - BLACK
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-4B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
2M	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
3																											
4																											
5																											

STANDARD SIGN
R6-4B

WISCONSIN DEPT OF TRANSPORTATION

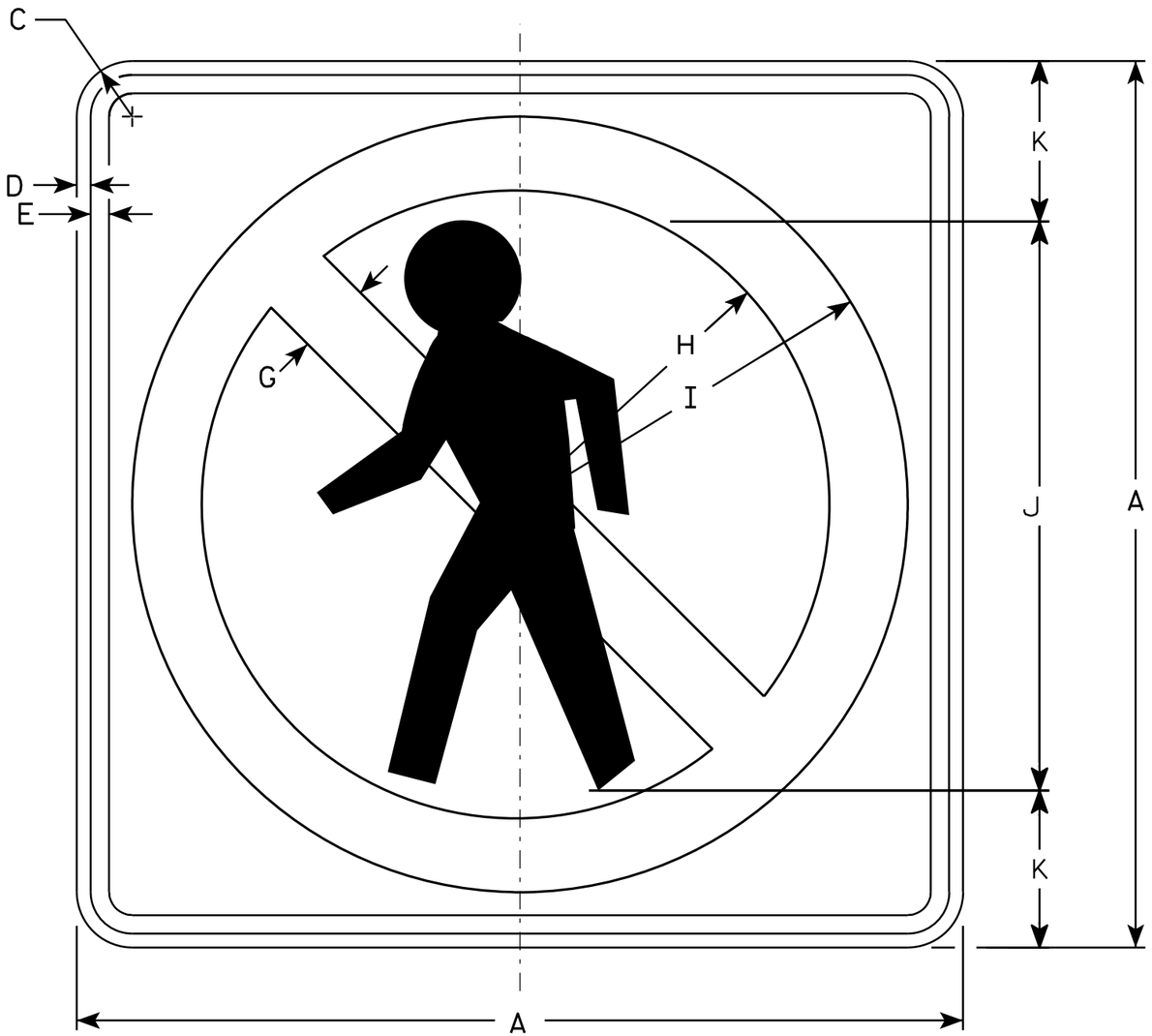
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/14 PLATE NO. R6-4.3

PROJECT NO: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R64B.DGN PLOT DATE : 21-AUG-2014 15:01 PLOT BY : mscsja

WISDOT/CADDS SHEET 42



R9-3A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Pedistrian are non-reflective black. Circle with diagonal bar is reflective red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	18		1 1/8	3/8	3/8		1 1/2	6 1/4	7 7/8	12	3																2.25
2M	18		1 1/8	3/8	3/8		1 1/2	6 1/4	7 7/8	12	3																2.25
3																											
4	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	15	4																4.00
5																											

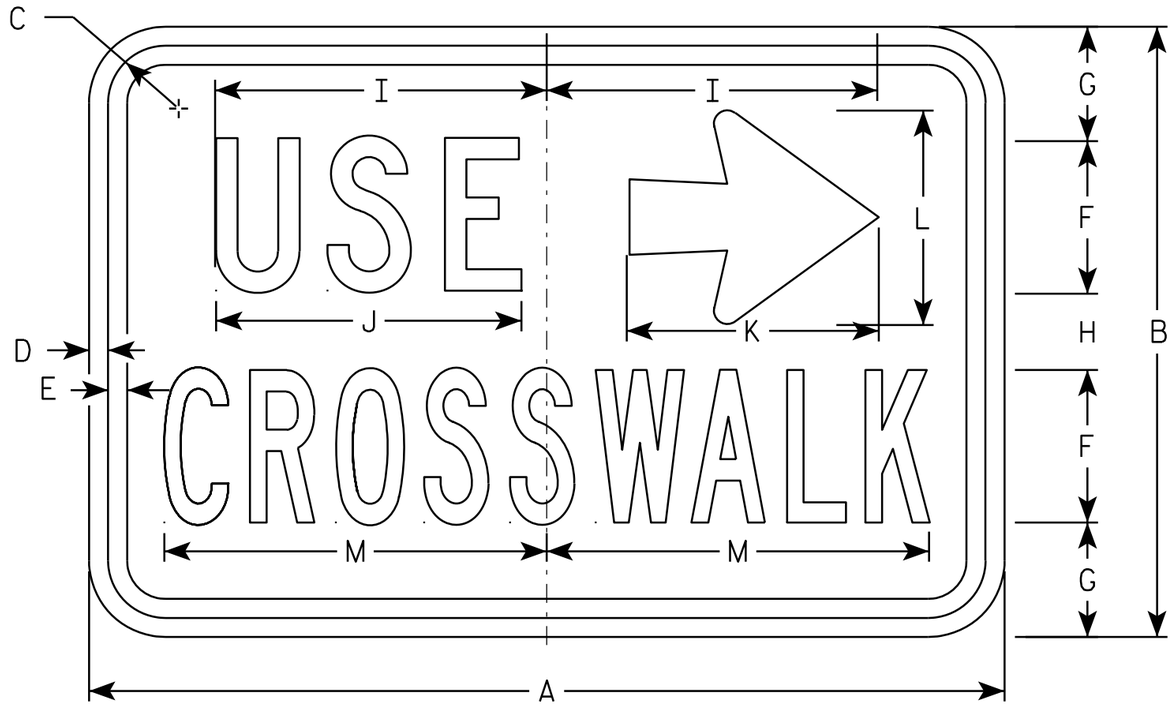
STANDARD SIGN
R9-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/4/10 PLATE NO. R9-3A.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 466	E



R9-3BR

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C Line 1, Series B Line 2
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R9-3BL is the same as R9-3BR except USE and the arrow are switched.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	18	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
2M	18	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
3																											
4																											
5																											

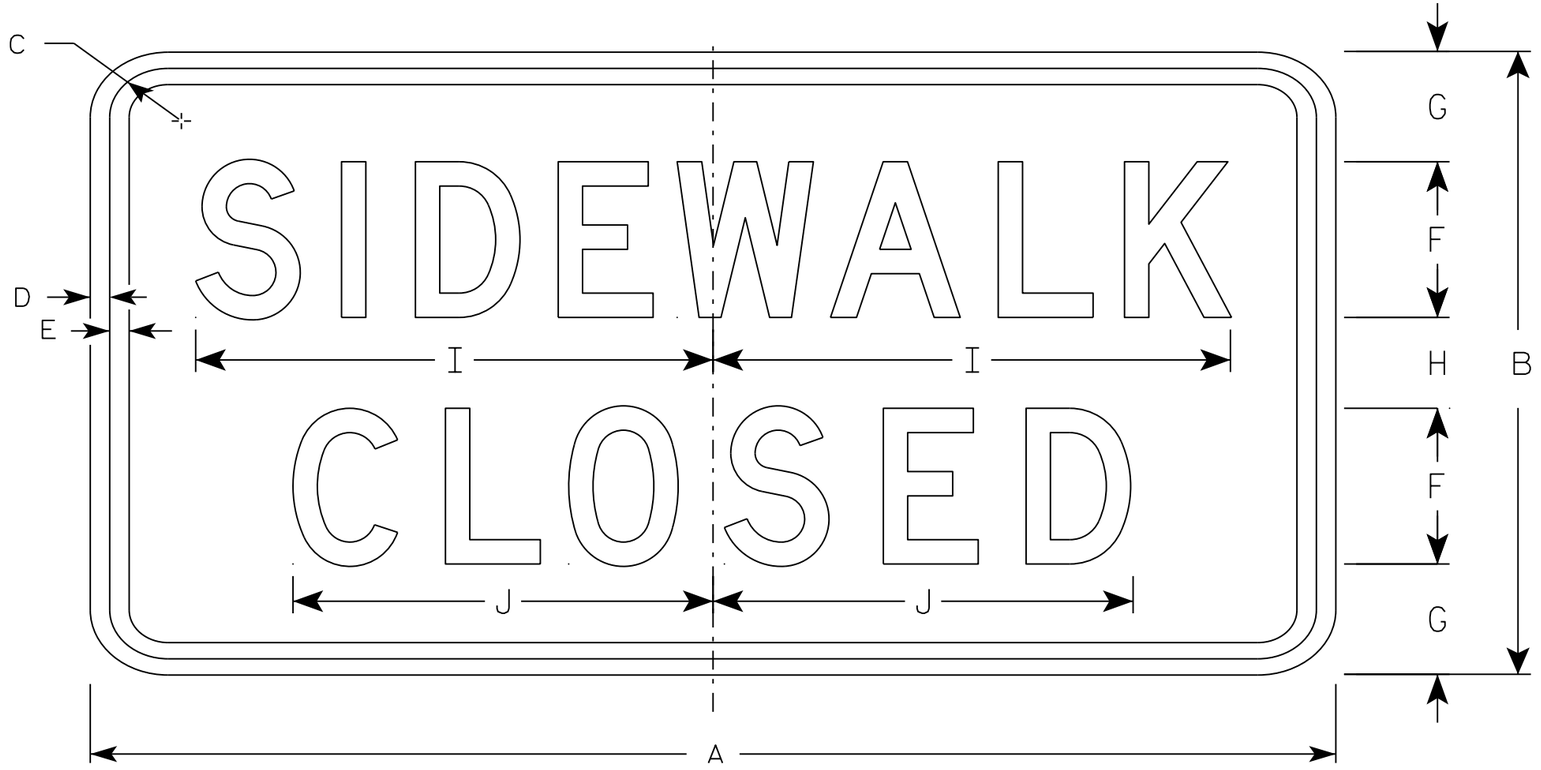
STANDARD SIGN
R9-3BR&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/4/10 PLATE NO. R9-3B.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 467 | E



R9-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

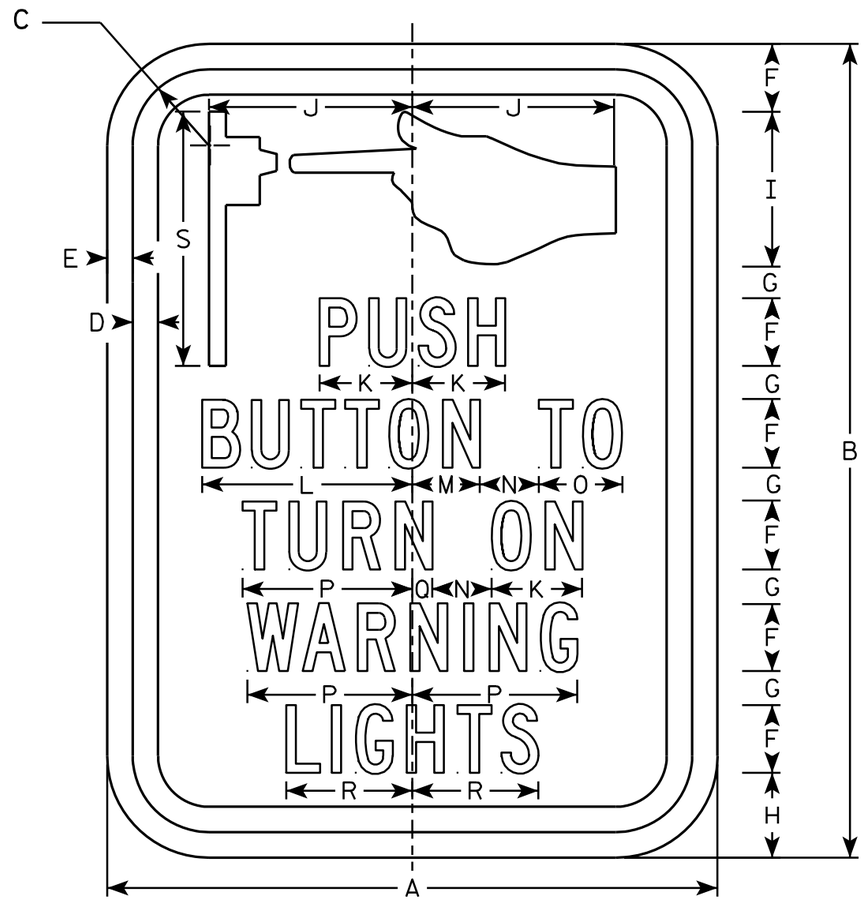
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/11/16 PLATE 468 R9-9.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000



R10-25

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Size (1) comes as a decal only.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	6	9	1 1/8	3/8	3/8	3/4	3/8	1	1 3/4	2	7/8	2 1/8	5/8	5/8	7/8	1 5/8	1/4	1 1/4	2 7/8								.38
2S	9	12	1 1/8	3/8	3/8	1	1/2	1 1/4	2 1/4	3	1 3/8	3 1/8	1	7/8	1 1/4	2 1/2	1/4	1 7/8	3 3/4								.75
2M	9	12	1 1/8	3/8	3/8	1	1/2	1 1/4	2 1/4	3	1 3/8	3 1/8	1	7/8	1 1/4	2 1/2	1/4	1 7/8	3 3/4								.75
3																											
4																											
5																											

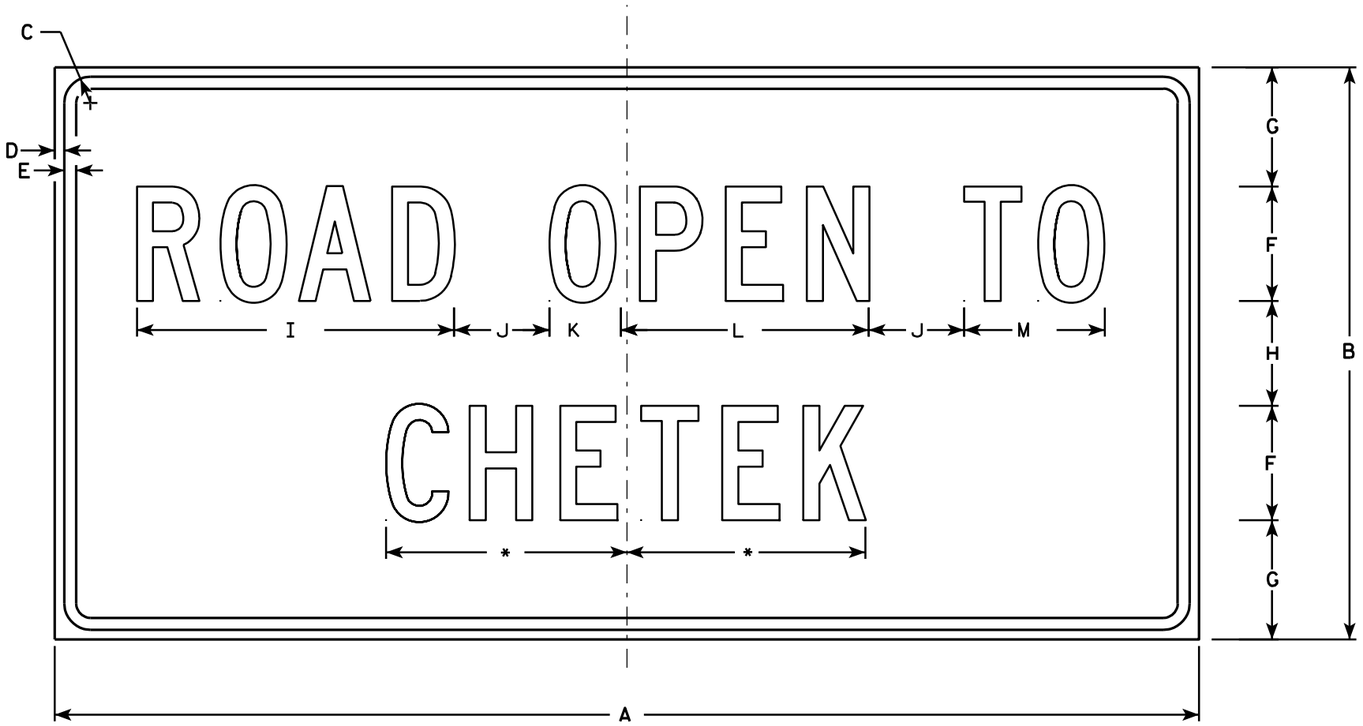
STANDARD SIGN
R10-25

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/10 PLATE NO. R10-25.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 469	E



R10-61

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate message and optically balance.

*See note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	24	1 3/8	1/2	5/8	4	5 1/2	5	10 3/4	2	2 1/8	8 3/8	4 5/8														6.0
2S	60	30	1 3/8	1/2	5/8	6	6 1/4	5 1/2	16 5/8	5	3 3/4	13	7 3/8														12.5
2M	60	30	1 3/8	1/2	5/8	6	6 1/4	5 1/2	16 5/8	5	3 3/4	13	7 3/8														12.5
3																											
4																											
5																											

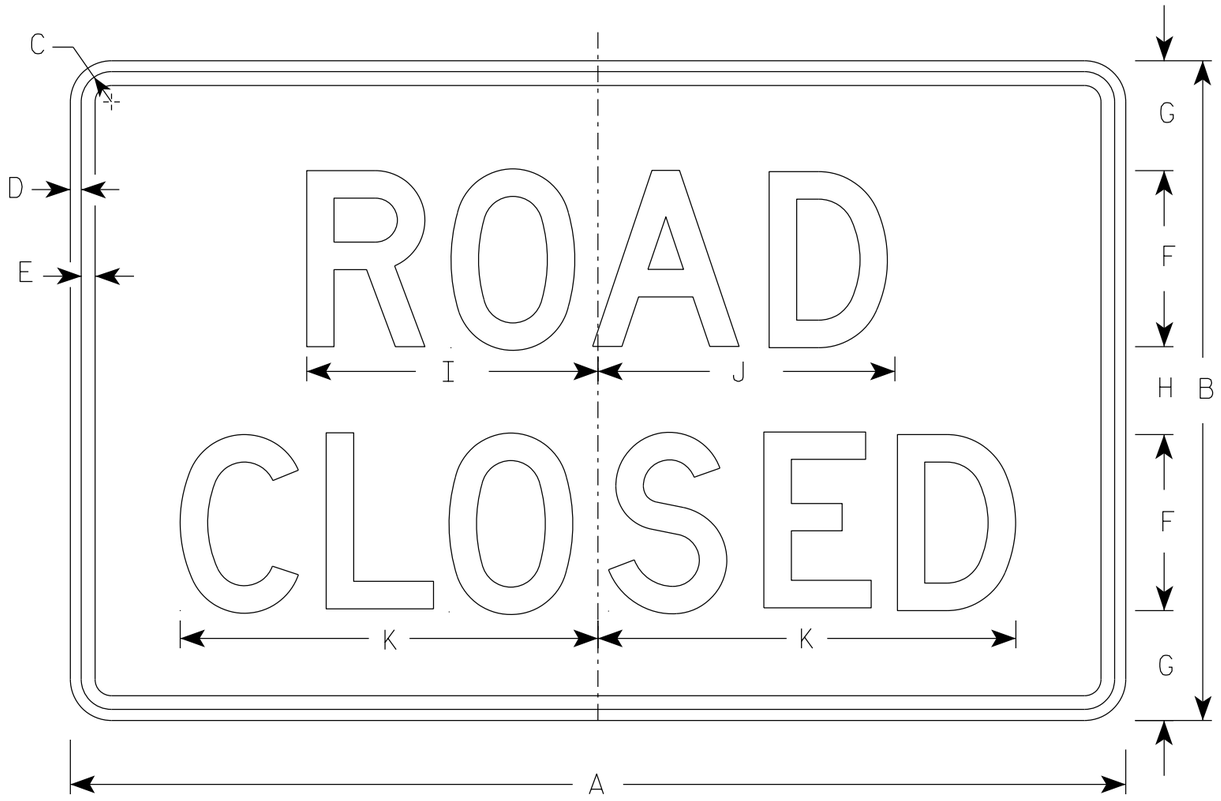
STANDARD SIGN
R10-61

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/4/11 PLATE NO. R10-61.5

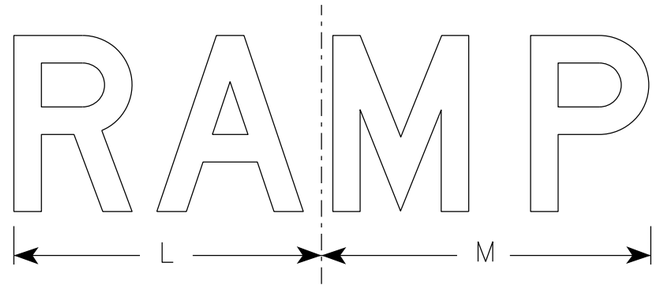
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 470	E



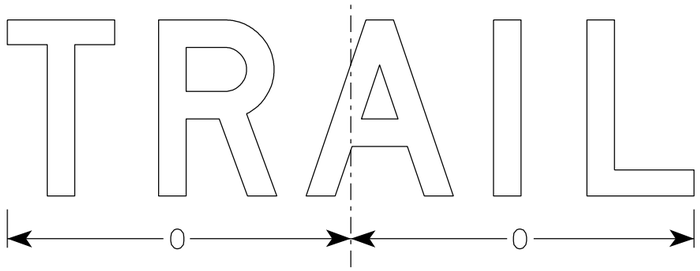
R11-2

NOTES

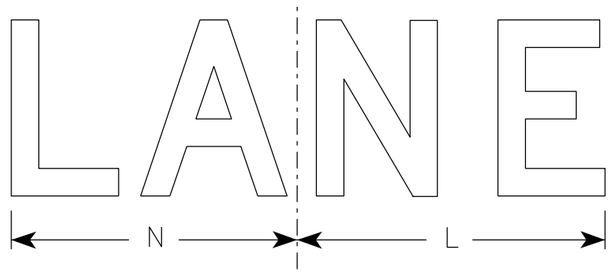
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

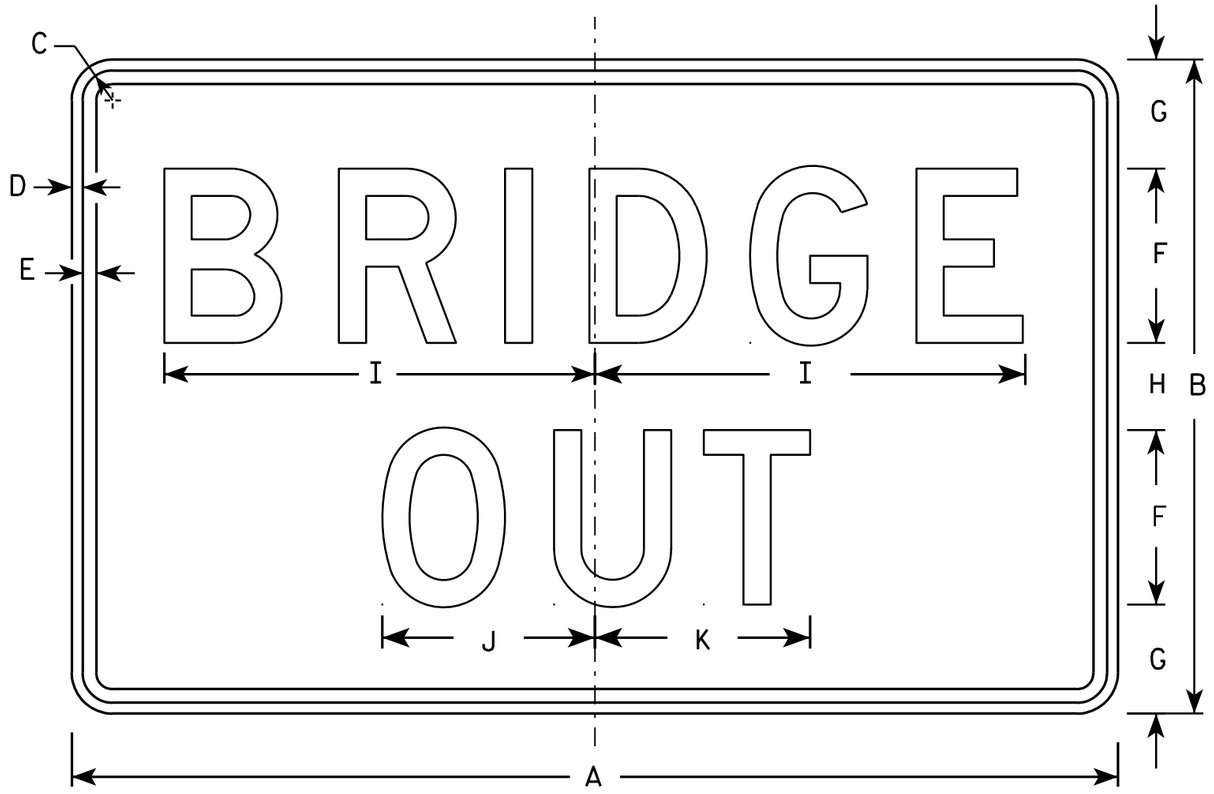
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 471 E



R11-2B

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0

STANDARD SIGN
R11-2B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2B.2

PROJECT NO:

SHEET NO: 472 E

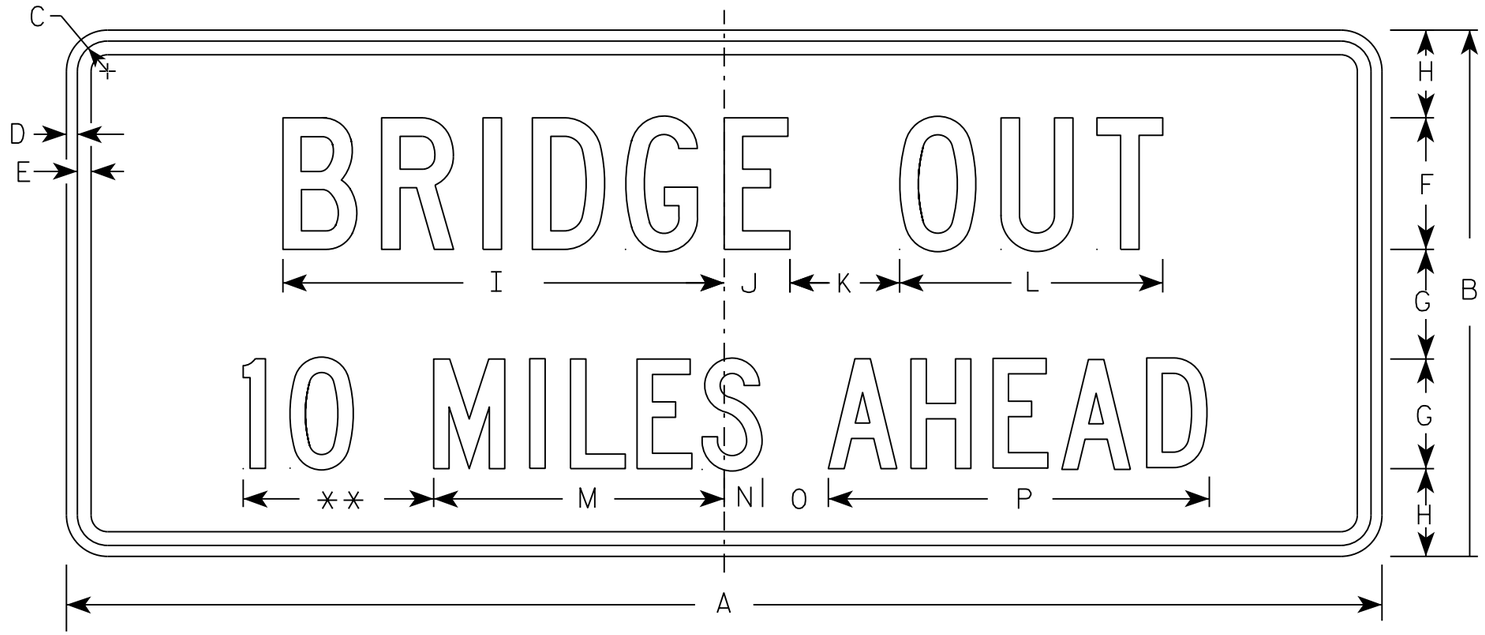
7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112B.DGN PLOT DATE : 01-APR-2011 14:23 PLOT BY : mscj9h

WISDOT/CADDS SHEET 42

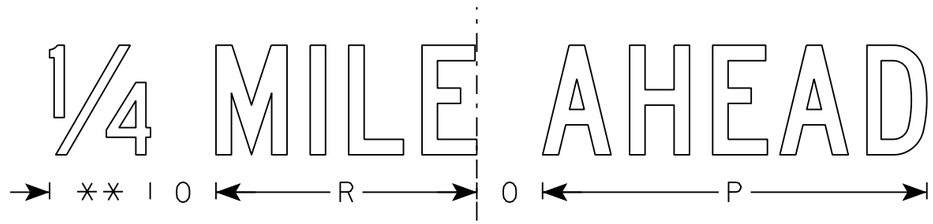
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3C

** See Note 5



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	15	1 3/8	1/2	5/8	4	3	2 1/2	13 1/4	2 1/4	3	8	8	1 1/2	2	10 3/4		7 1/8									3.75
2S	60	24	1 3/8	1/2	5/8	6	5	4	20 1/8	3	5	12	13 1/4	1 3/4	3	17 3/8		11 7/8									10.0
2M	60	24	1 3/8	1/2	5/8	6	5	4	20 1/8	3	5	12	13 1/4	1 3/4	3	17 3/8		11 7/8									10.0
3																											
4																											
5																											

STANDARD SIGN
R11-3C

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/28/16 PLATE NO. R11-3C.3

PROJECT NO:

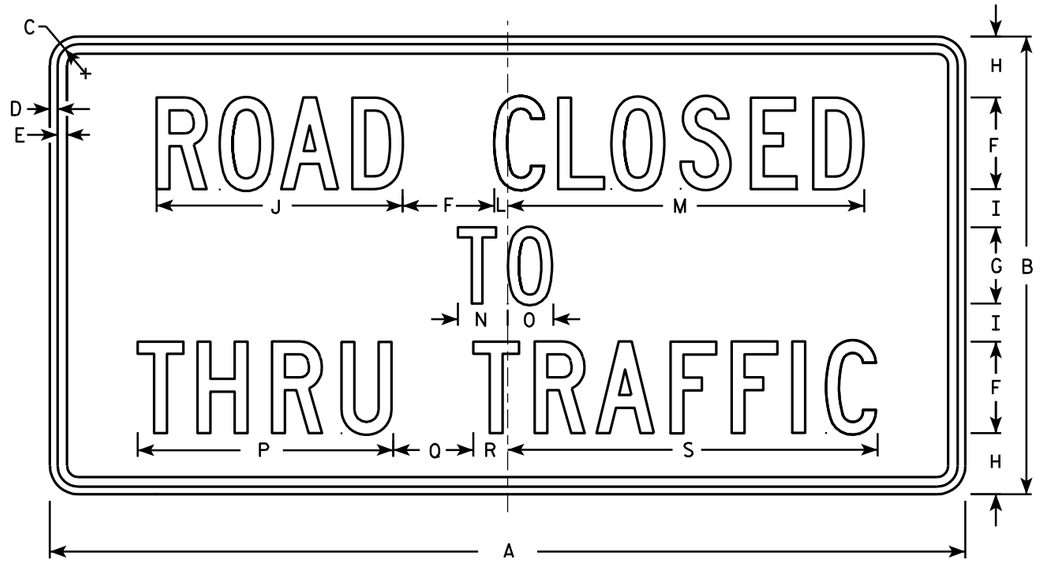
SHEET NO: 473 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R113C.DGN PLOT DATE : 15-MAR-2017 15:33 PLOT BY : $$...plotuser...$$

WISDOT/CADDS SHEET 42

7

7



R11-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

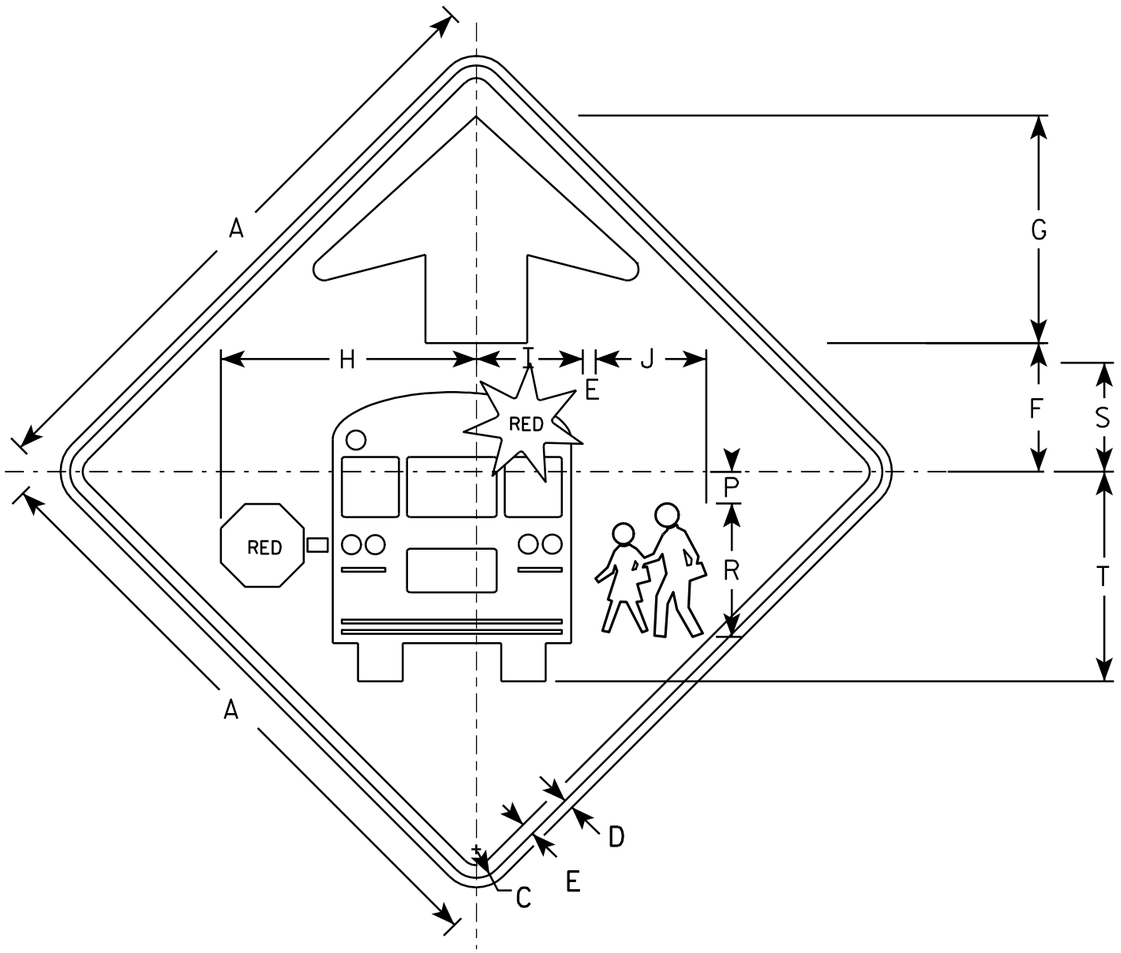
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

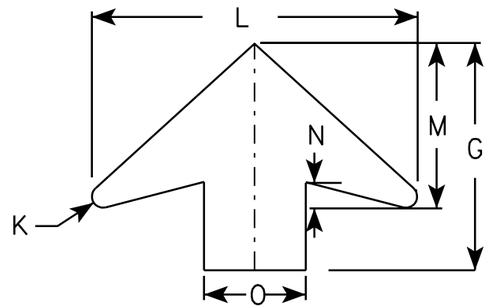
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 474	E



S3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW-GREEN
   Message - BLACK except as noted
   Circles except PEDS- RED BACKGROUND
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	12 1/2	5 1/4	5 1/2	1/2	16	8	1 1/4	5	1 1/2		6 5/8	5 3/8	10 3/8							6.25
2	36		1 5/8	5/8	3/4	7 1/2	13 1/2	15 1/8	6 1/4	6 1/2	5/8	19 1/4	9 3/4	1 5/8	6	1 7/8		7 7/8	6 3/8	12 3/8							9.0
3	48		2 1/4	3/4	1	10	17 7/8	20 1/8	8 3/8	8 3/4	7/8	25 5/8	13	2	8	2 1/2		10 1/2	8 1/2	16 1/2							16.0
4	48		2 1/4	3/4	1	10	17 7/8	20 1/8	8 3/8	8 3/4	7/8	25 5/8	13	2	8	2 1/2		10 1/2	8 1/2	16 1/2							16.0
5																											

STANDARD SIGN
S3-1

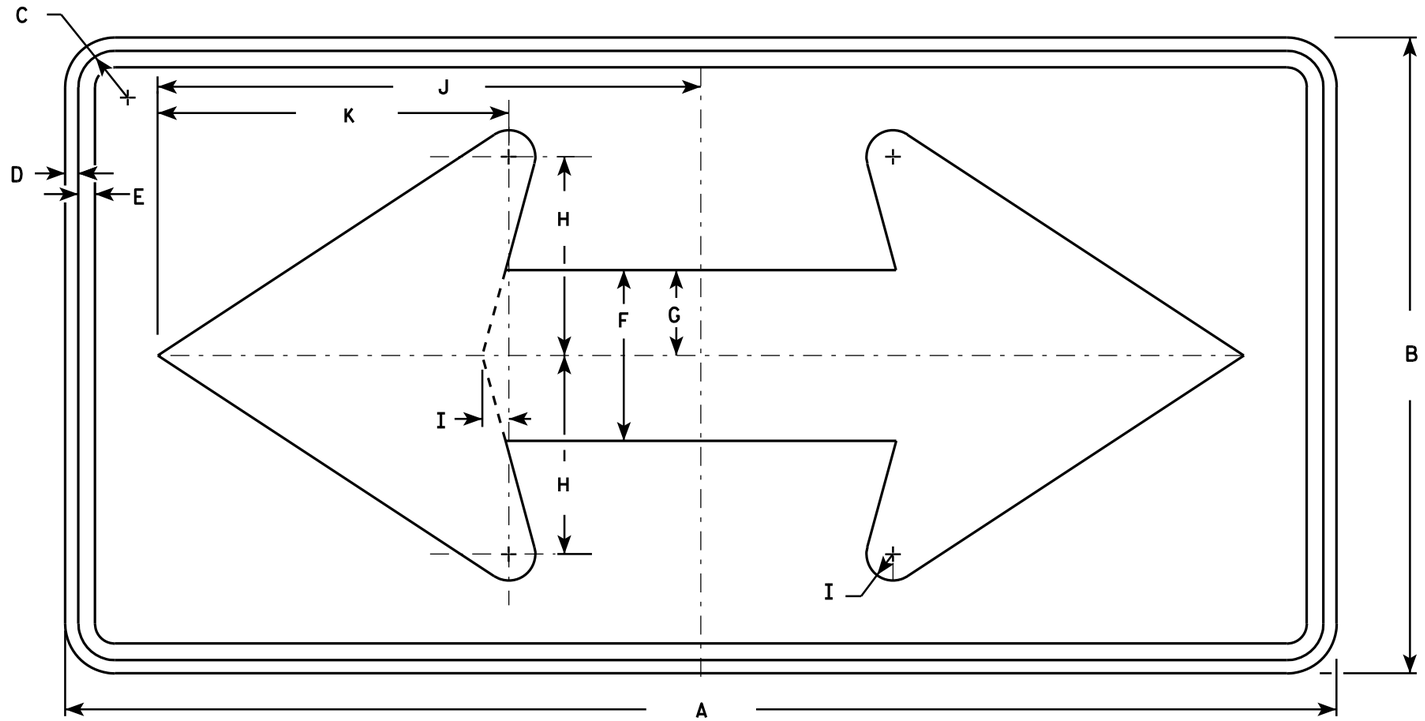
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/8/10 PLATE NO. S3-1.6

PROJECT NO:

SHEET NO: 475 E



W1-7

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	1/2	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	96	48	2 1/4	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

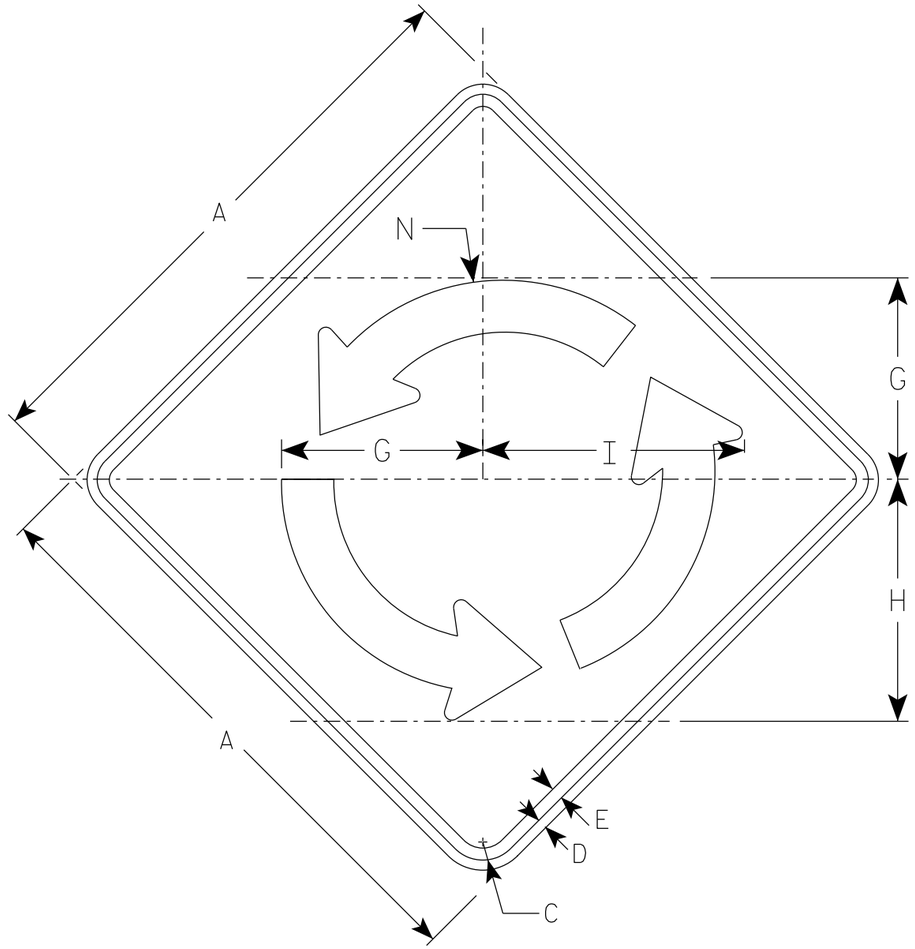
STANDARD SIGN
W1-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-7.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 476 | E

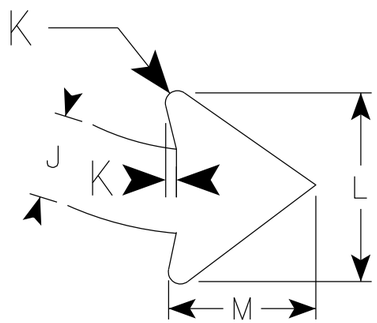


W2-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

Arrow Detail



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Area sq. ft.
1																									
2S	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
2M	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
3	36		1 5/8	5/8	3/4		12 1/2	15	16 1/4	3 1/4	1/2	7 3/8	5 3/4	13 3/8											9.00
4	48		2 1/4	3/4	1		16 5/8	20	16 1/4	4 3/8	5/8	9 3/4	7 5/8	17 7/8											16.0
5																									

STANDARD SIGN
W2-6

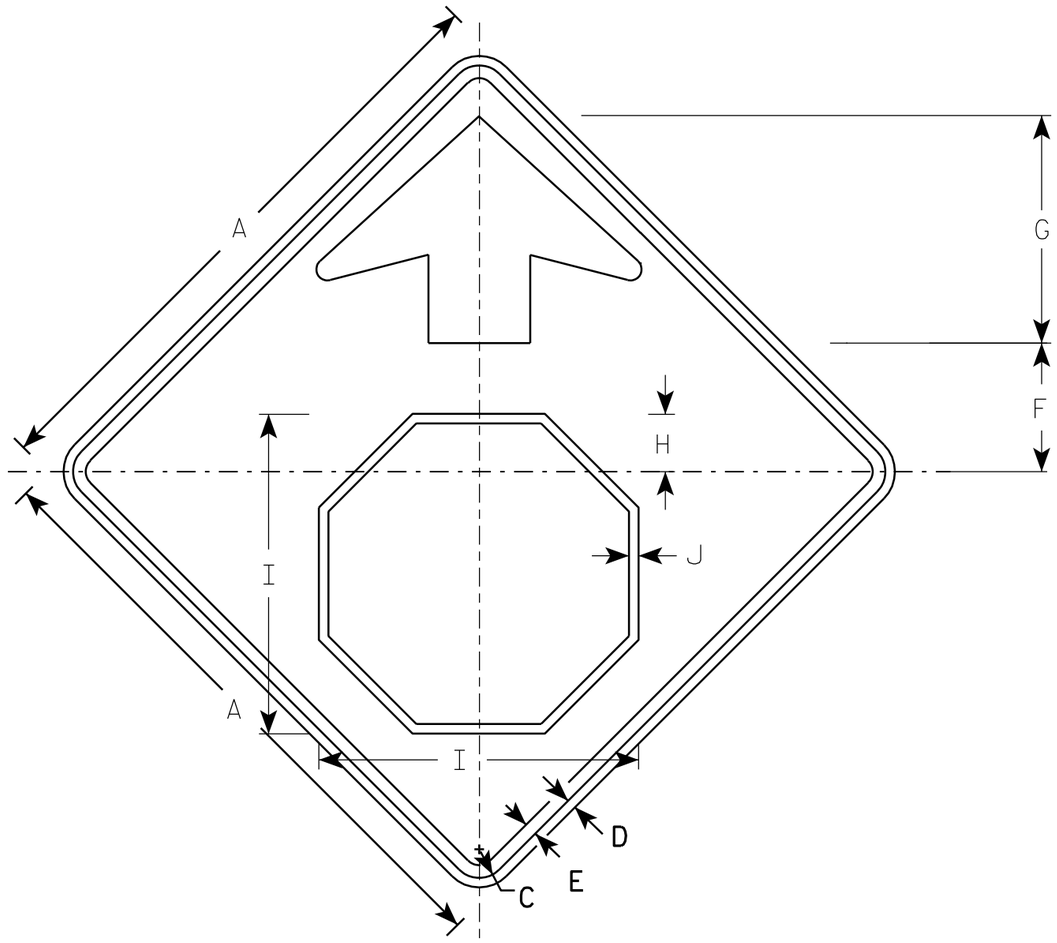
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/21 PLATE NO. W2-6.7

PROJECT NO:

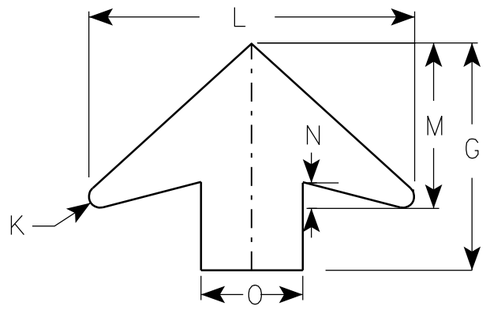
SHEET NO: 477 E



W3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W3-1

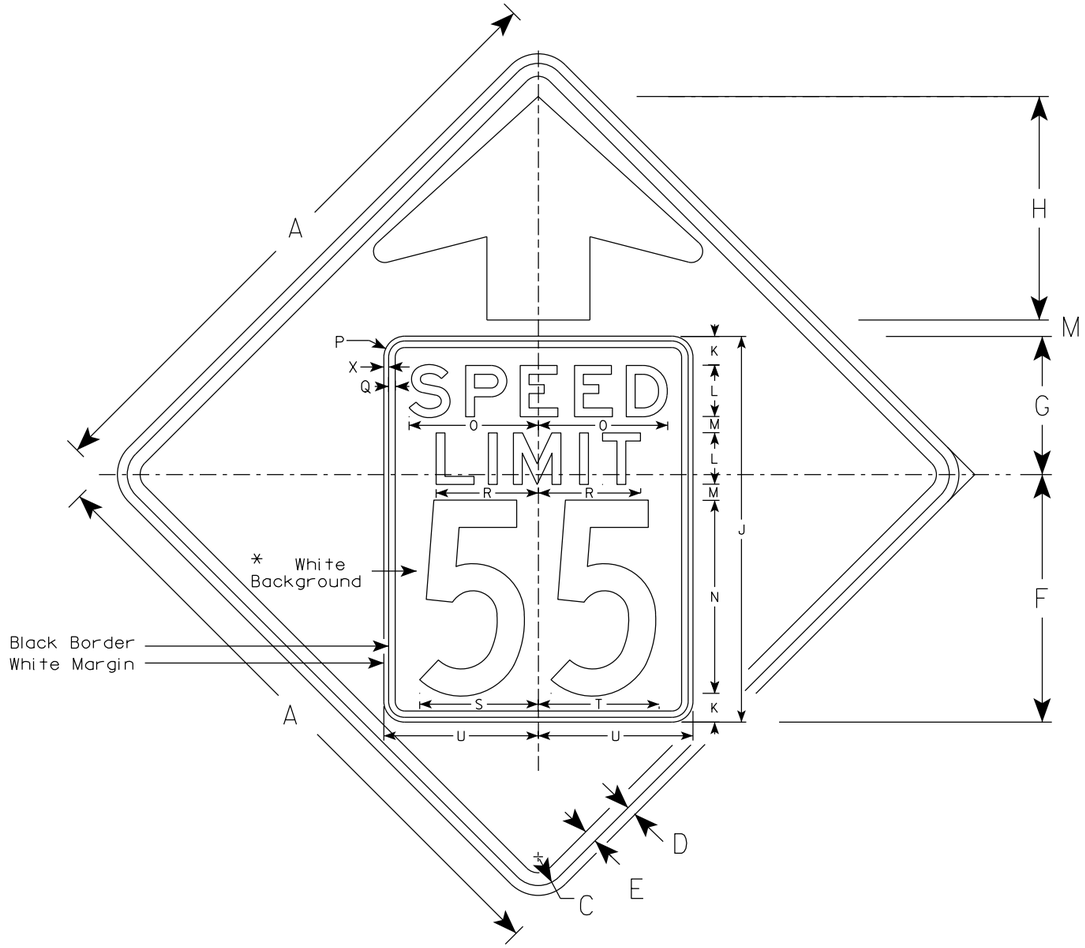
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

PROJECT NO:

SHEET NO: 478 E

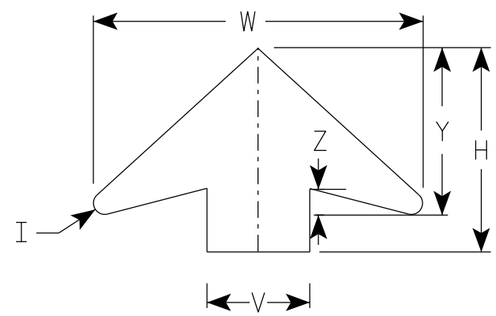


W3-5

NOTES

1. Sign is Type II - See Note 2 for Sheeting Type
2. Color: *
   Background - Yellow* (Type F Reflective)
   Message - Black
3. Message Series - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background with black message (Type SH Reflective)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2M	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
3	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W3-5

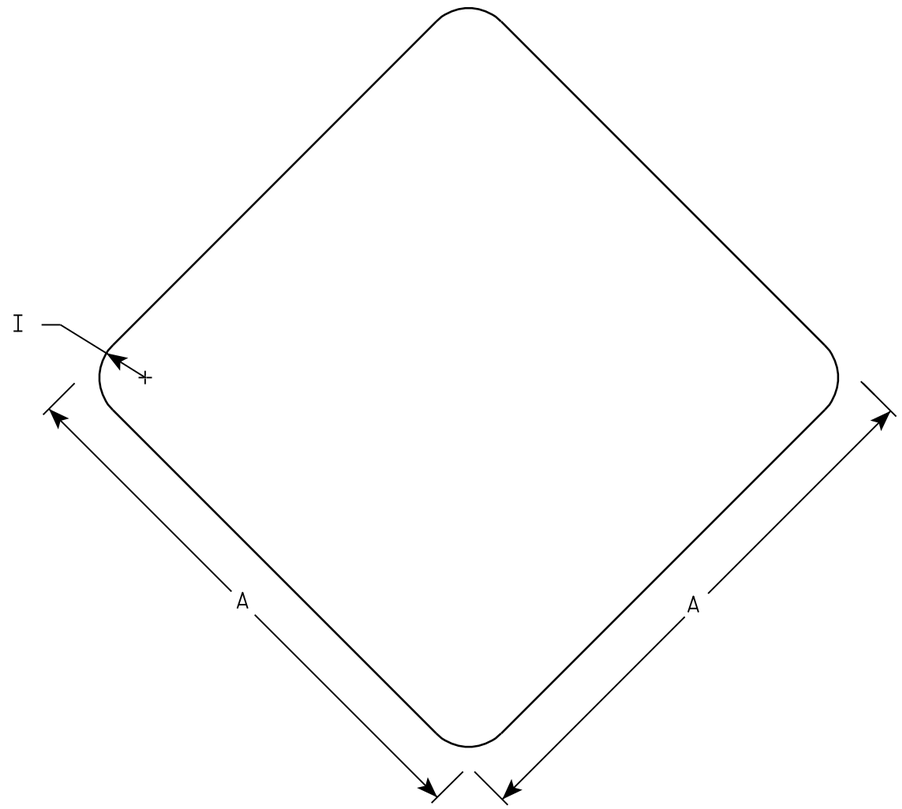
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew L Rauch
for State Traffic Engineer

DATE 7/27/2020 PLATE NO. W3-5.6

PROJECT NO:

SHEET NO: 479 E



W5-54

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
3. Corners may be square or rounded when base material is plywood. When base material is metal the corners shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12								1																		1.0
2S	18								1 ½																		2.25
2M	18								1 ½																		2.25
3																											
4																											
5																											

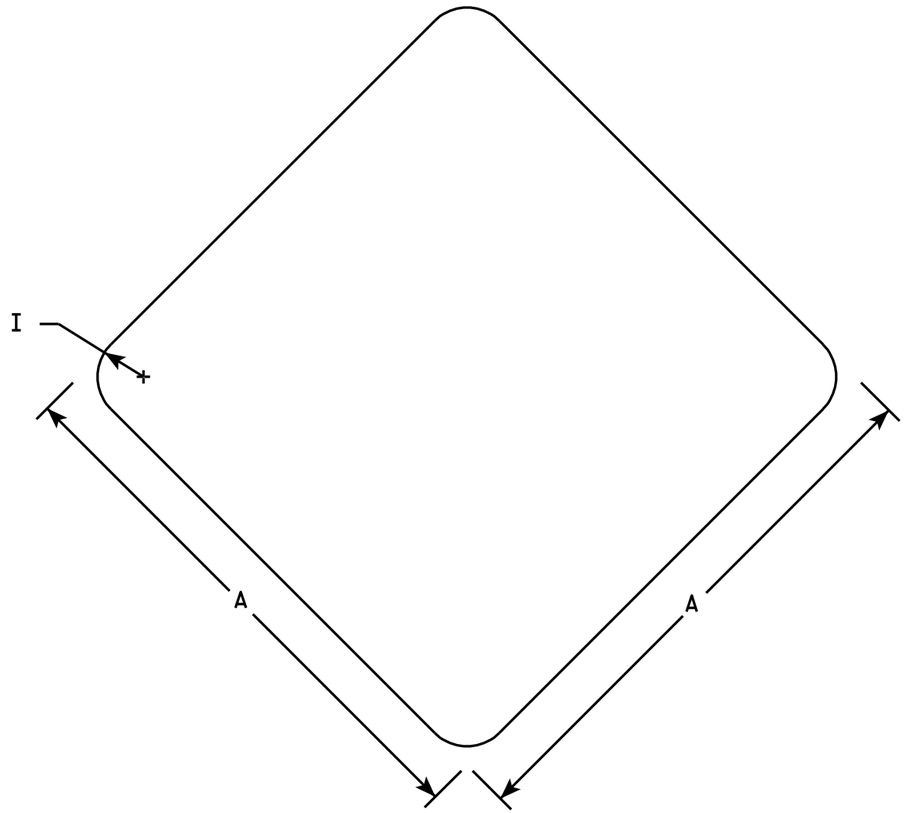
STANDARD SIGN
W5-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/3/10 PLATE NO. W5-54.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 480 | E



W5-56

NOTES

1. Sign is Type II - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
3. Corners may be square or rounded when base material is plywood. When base material is metal the corners shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12								1																		1.0
2S	18								1 ½																		2.25
2M	18								1 ½																		2.25
3																											
4																											
5																											

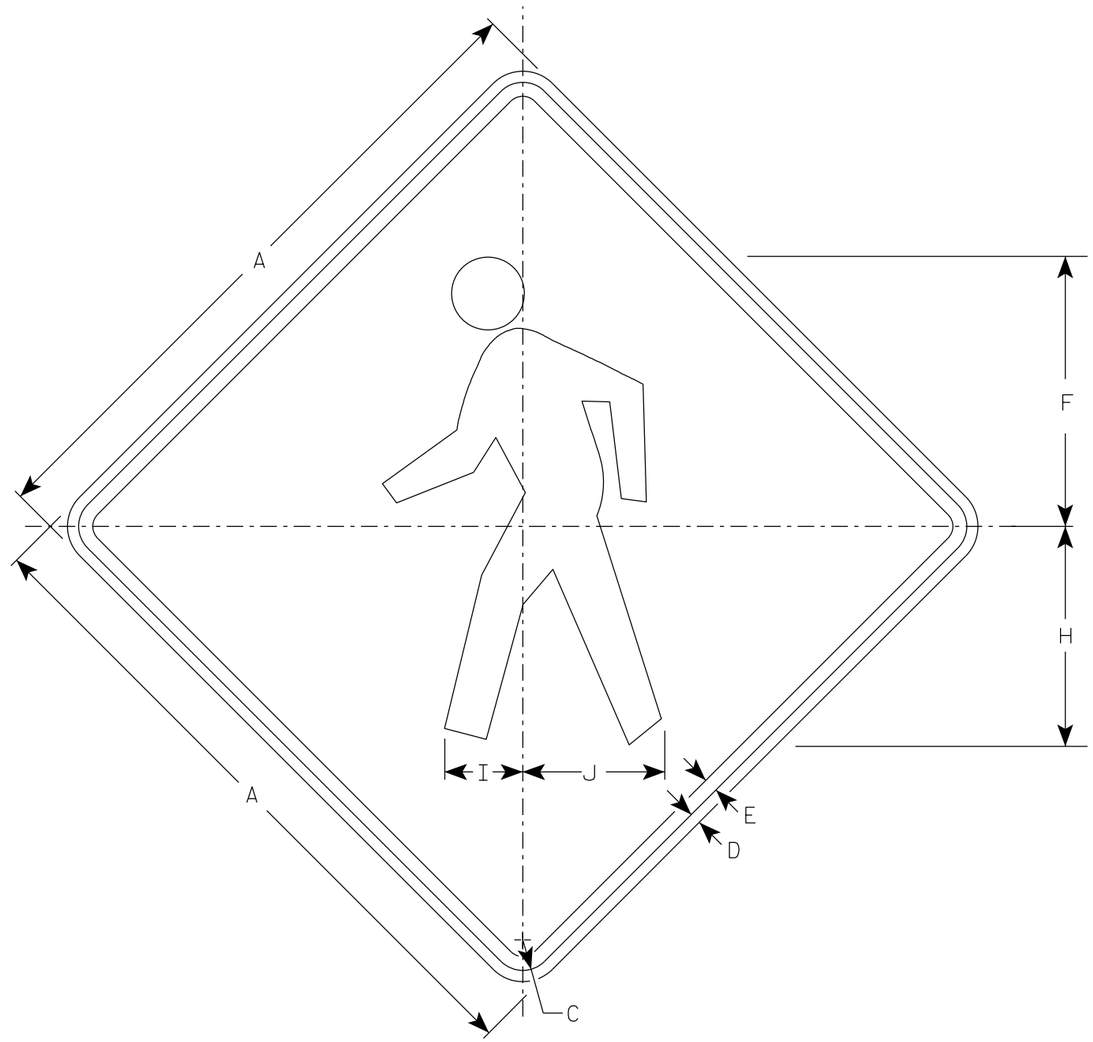
STANDARD SIGN
W5-56

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. W5-56.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 481	E



W11-2

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

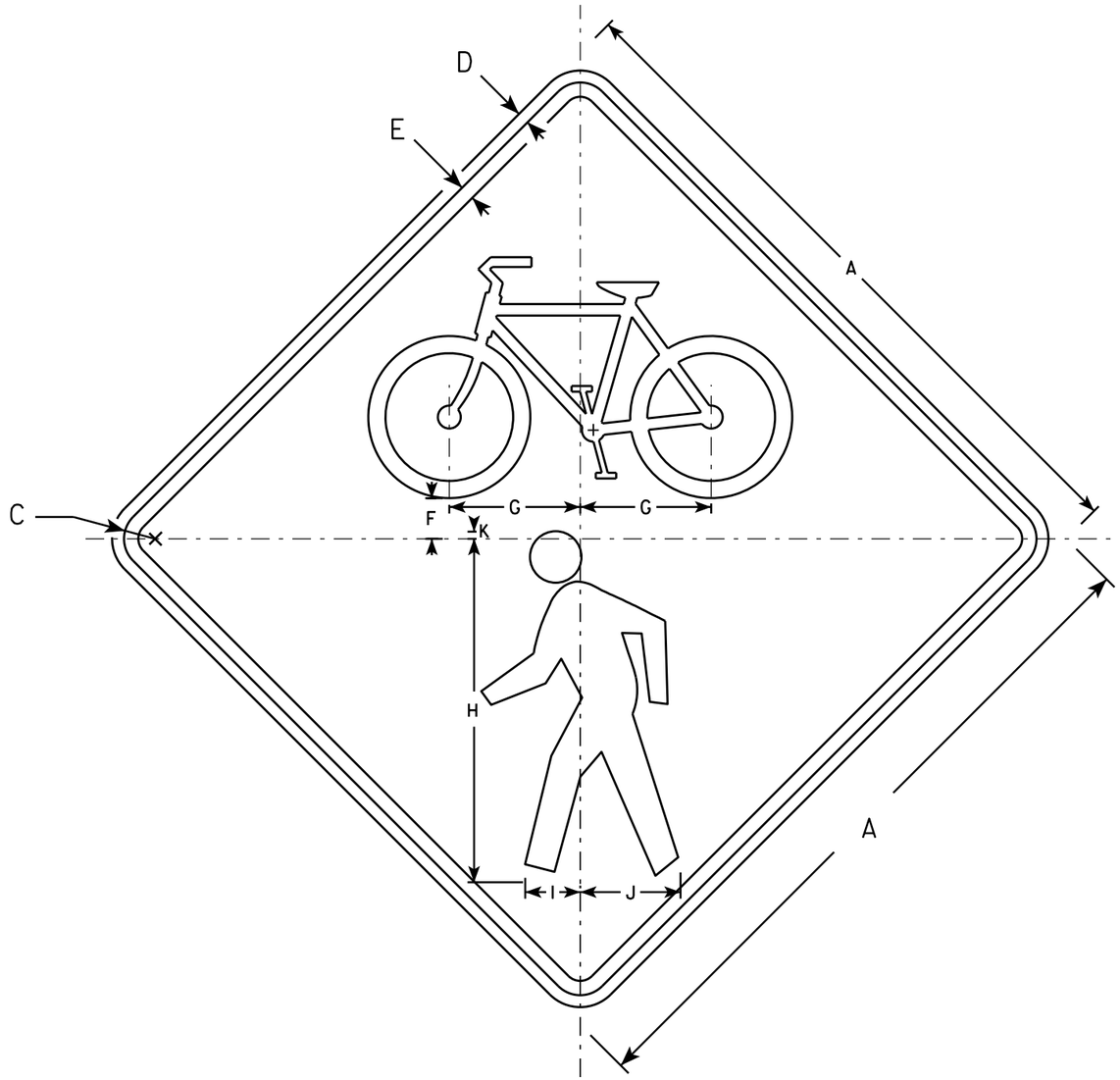
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/8/2020 PLATE NO. W11-2.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 482 E



W11-15

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	1 3/8	4 5/8	12	1 7/8	3 1/2	1/4																4.0
2S	30		1 3/8	1/2	5/8	1 3/4	5 3/4	15	2 3/8	4 3/8	3/8																6.25
2M	36		1 5/8	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																9.0
3	36		1 5/8	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																16.0
4	48		2 1/4	3/4	1	2 7/8	9 1/8	24	3 7/8	7	1/2																16.0
5																											

STANDARD SIGN
W11-15

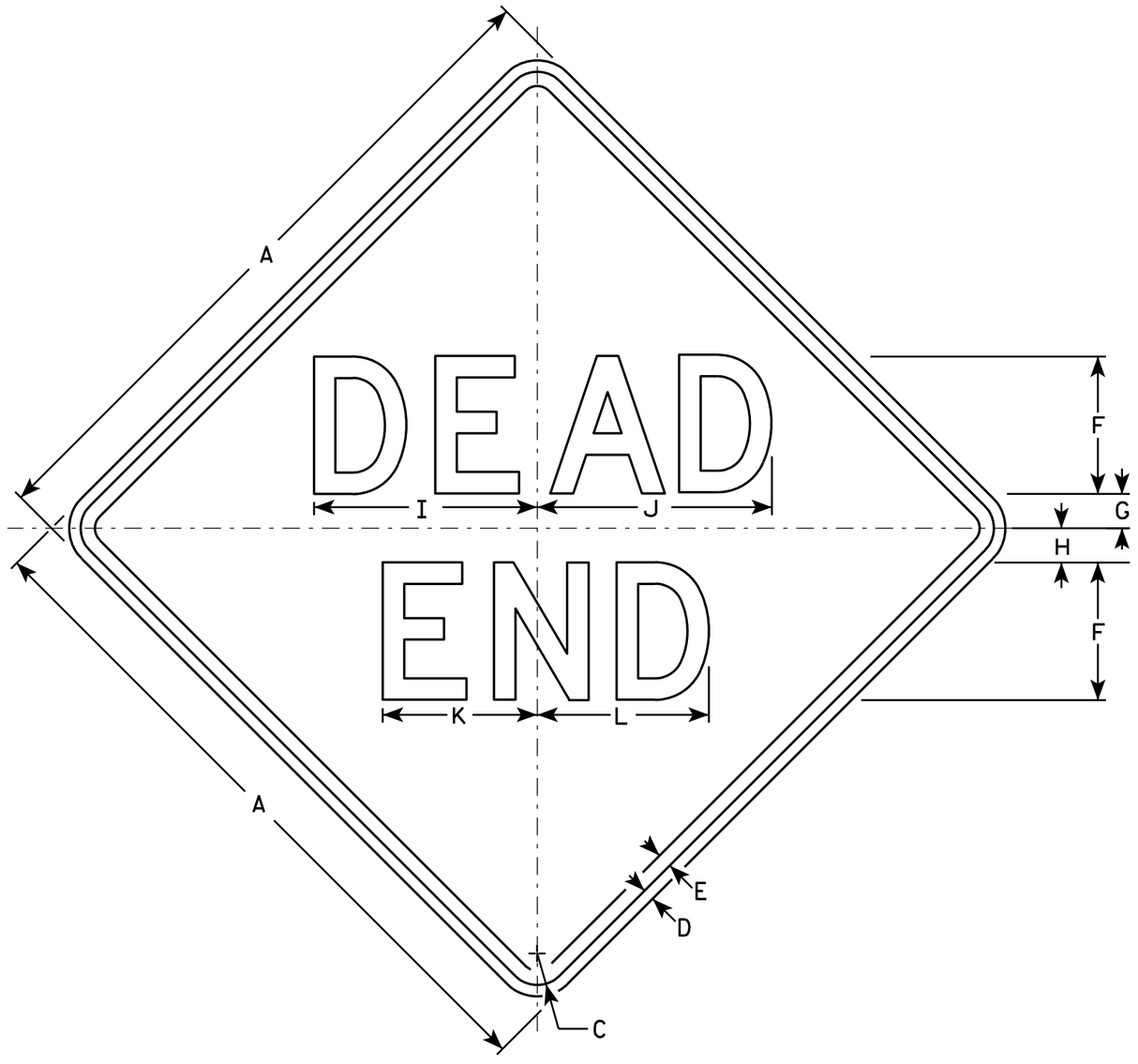
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 2/13/14 PLATE NO. W11-15.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W1115.DGN PLOT DATE : 13-FEB-2014 10:54 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 7.783368:1.000000
WISDOT/CADDS SHEET 42



W14-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	5	1	2	8 1/4	8 5/8	5 5/8	6 1/4															4.0
2S	30		1 3/8	1/2	5/8	6	1 1/2	2 1/2	9 3/4	10 1/4	6 3/4	7 1/2															6.25
2M	30		1 3/8	1/2	5/8	6	1 1/2	2 1/2	9 3/4	10 1/4	6 3/4	7 1/2															6.25
3	36		1 5/8	5/8	3/4	7	2	3	11 3/8	12	7 7/8	8 3/4															9.0
4																											
5																											

STANDARD SIGN
W14-1

WISCONSIN DEPT OF TRANSPORTATION

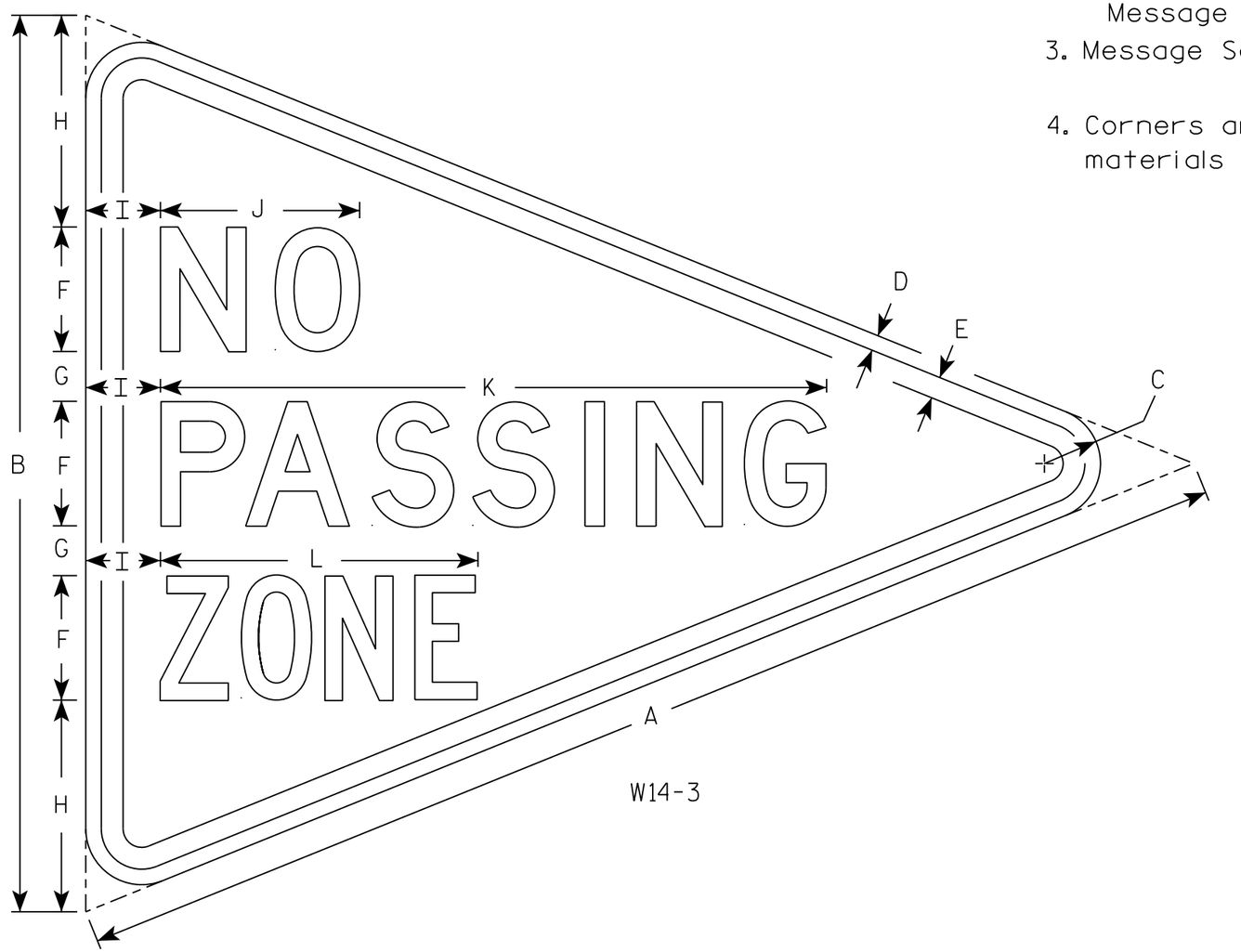
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W14-1.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 484	E

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - Lines 1 and 2 are Series D.
   Line 3 is series C.
4. Corners and borders shall be rounded on all base materials for this sign.



W14-3

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															5.56
2M																											
3																											
4																											
5																											

STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

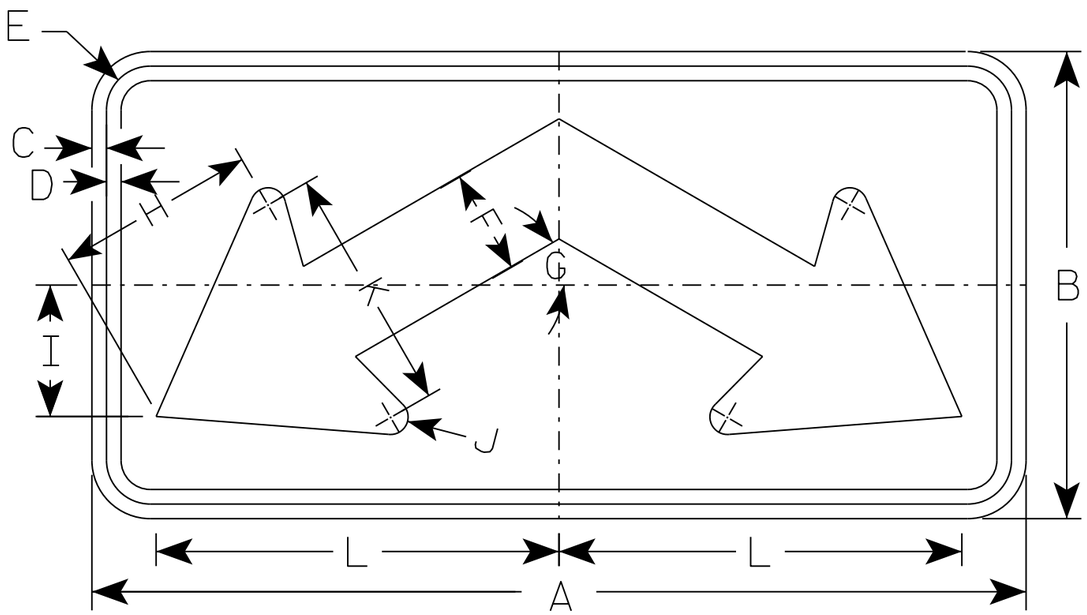
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W14-3.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 485 | E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



W16-7D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	3/8	3/8	1 1/8	2 5/8	30°	5 1/8	3 3/8	1/2	6 1/4	10 3/8															2.0
2S	24	12	3/8	3/8	1 1/8	2 5/8	30°	5 1/8	3 3/8	1/2	6 1/4	10 3/8															2.0
2M	30	18	3/8	1/2	1 1/8	4	30°	7 5/8	5 3/8	5/8	9 1/4	13															3.75
3	30	18	3/8	1/2	1 1/8	4	30°	7 5/8	5 3/8	5/8	9 1/4	13															3.75
4	48	24	1/2	5/8	1 3/8	5 3/8	30°	10 3/8	7 1/4	1	12 5/8	20 3/4															8.0
5																											

STANDARD SIGN
W16-7D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

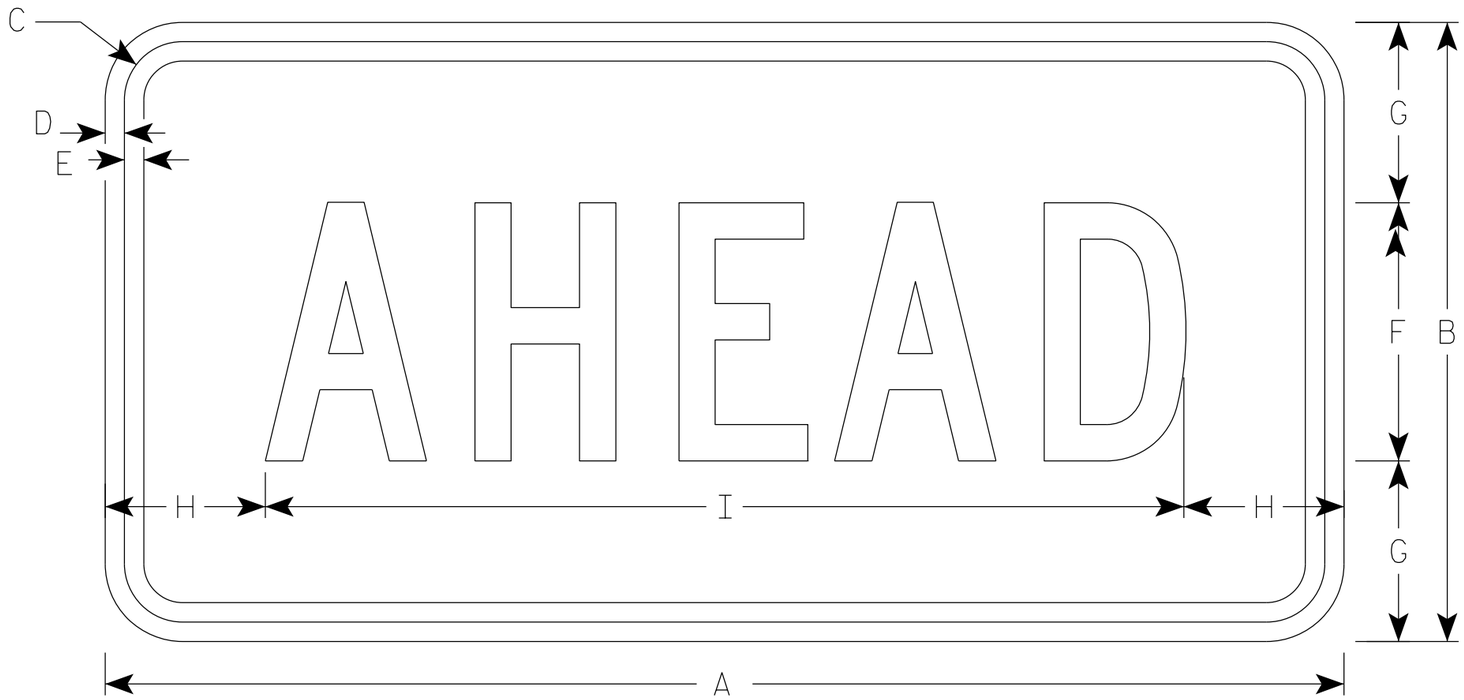
DATE 8/1/16 PLA 486 116-7D.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W16?D.DGN PLOT DATE : 11-AUG-2016 11:30 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 3.891684:1 000000

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - C



W16-9P

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
W16-9P

WISCONSIN DEPT OF TRANSPORTATION

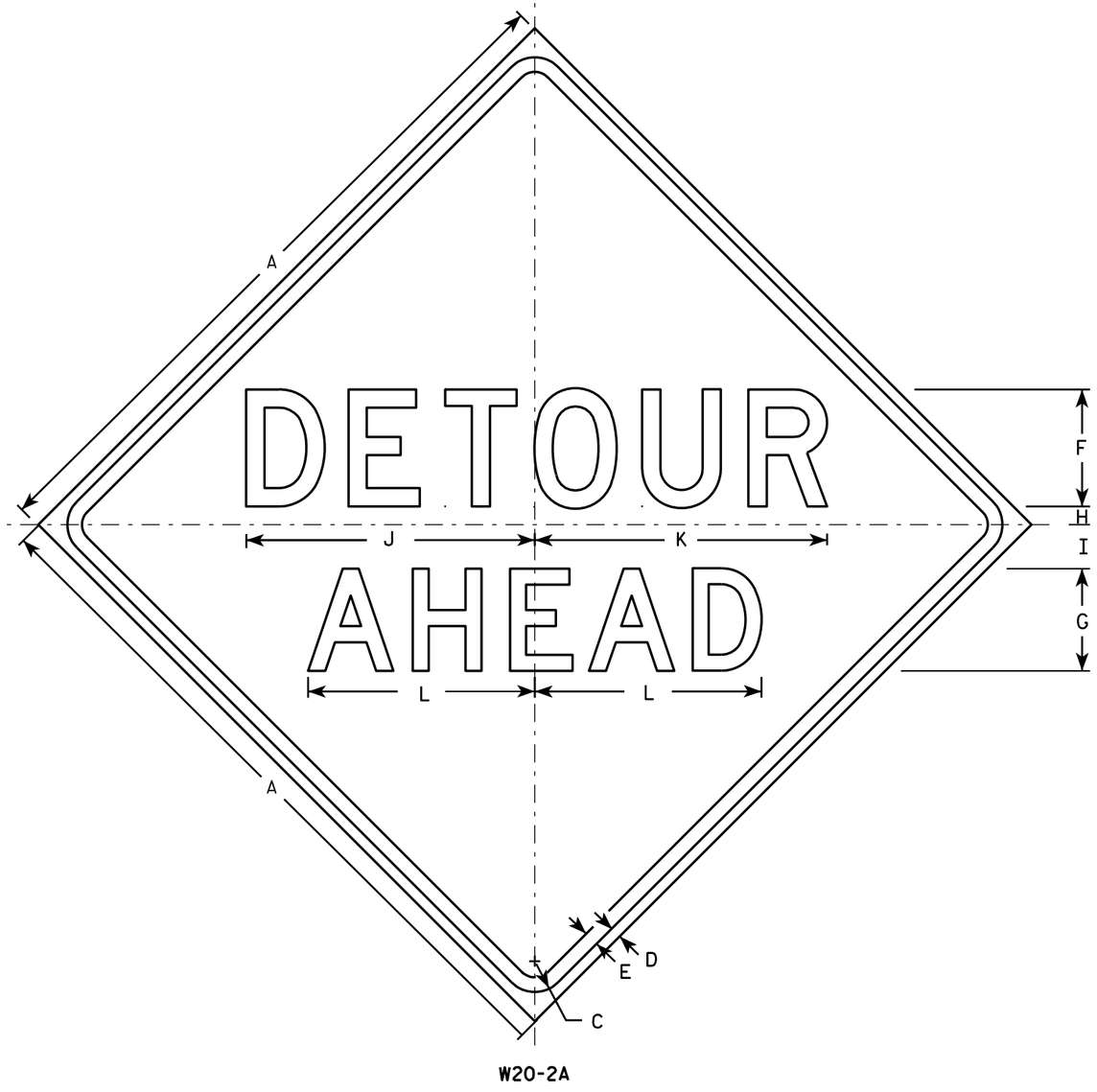
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/7/19 PLATE NO. W16-9P.7

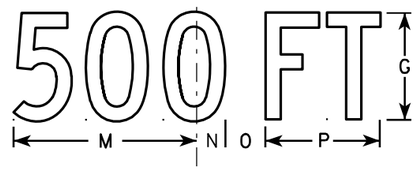
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 487 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W169P.DGN PLOT DATE : 07-MAR-2019 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

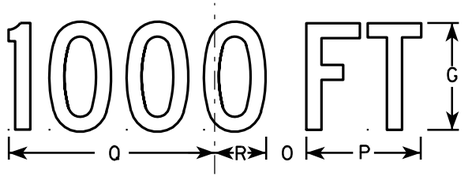
7 7



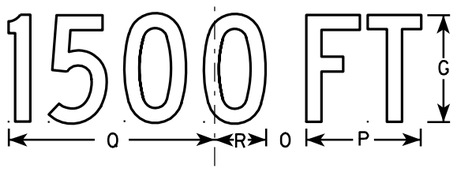
W20-2A



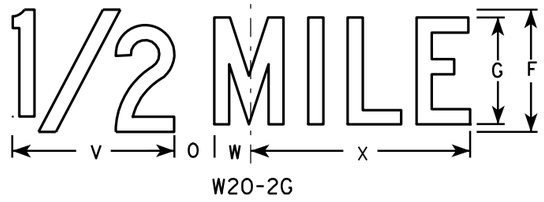
W20-2D



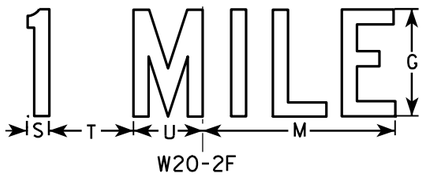
W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

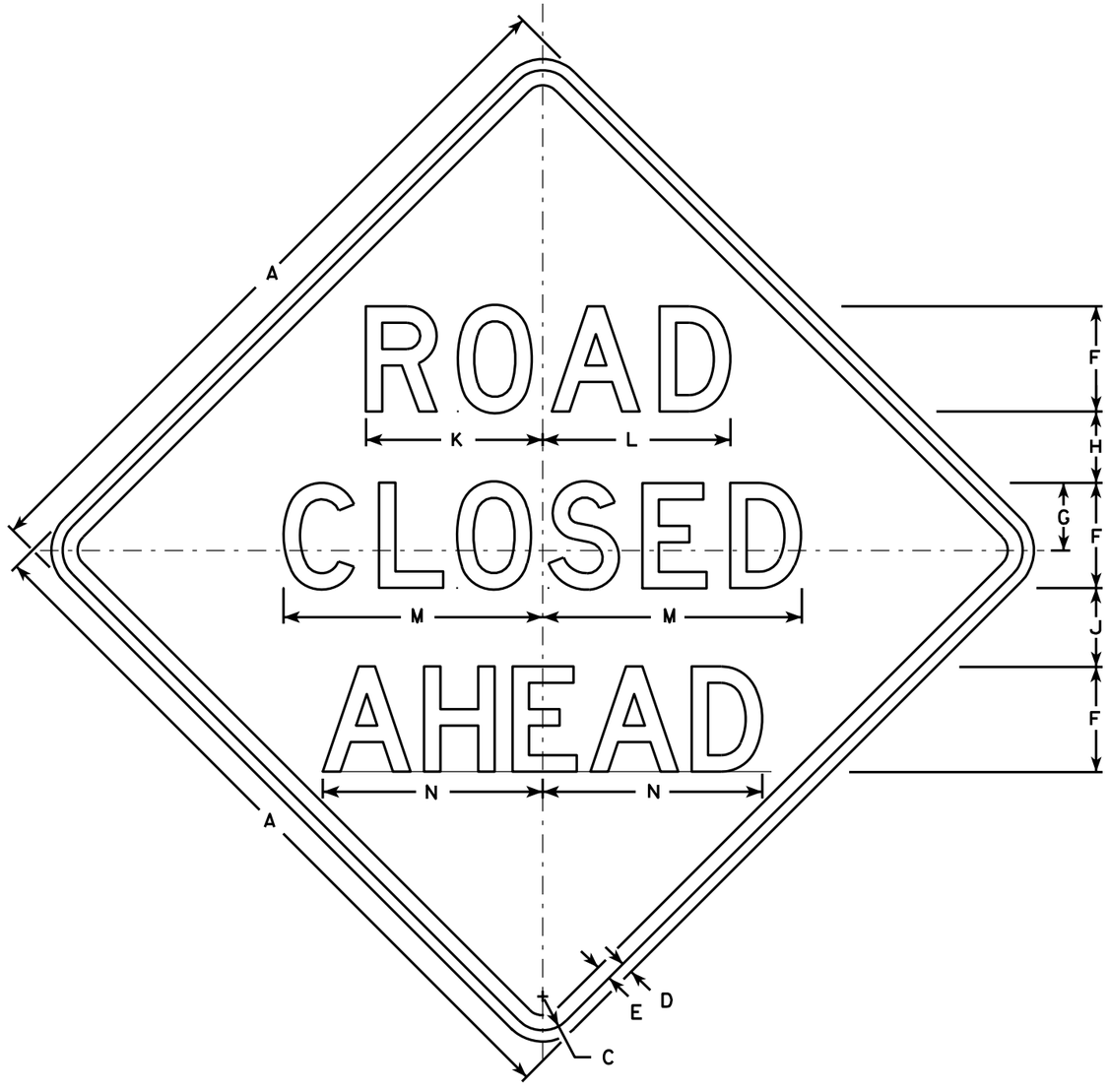
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

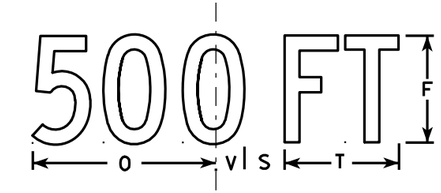
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

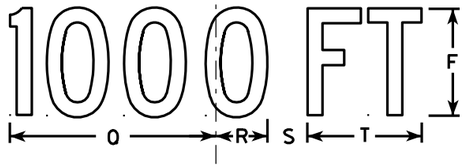
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 488	E



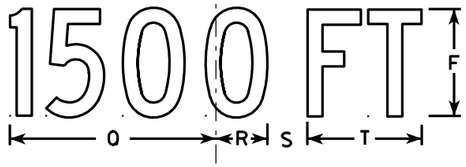
W20-3A



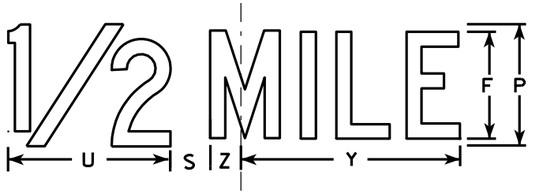
W20-3D



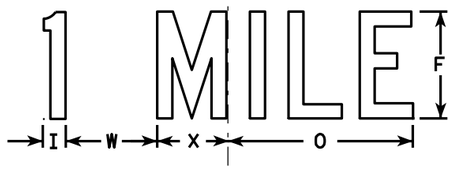
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

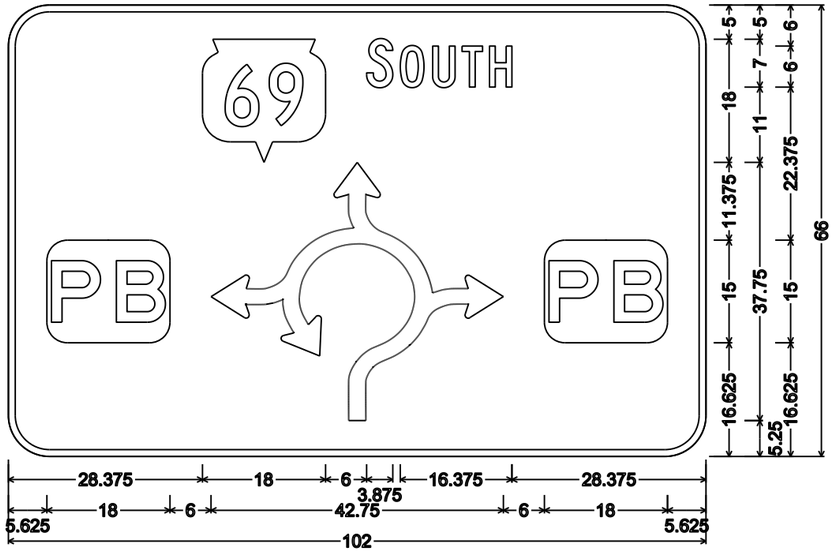
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

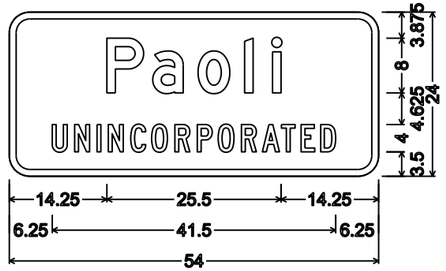
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

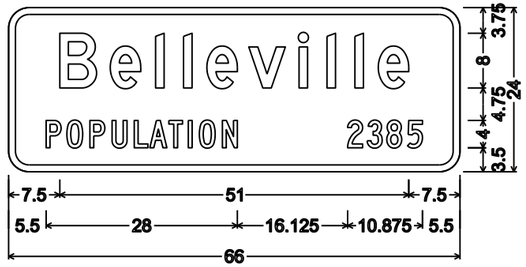
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 489 | E



D1-62; 6.000" Radius, 1.000" Border,
"SOUTH" C



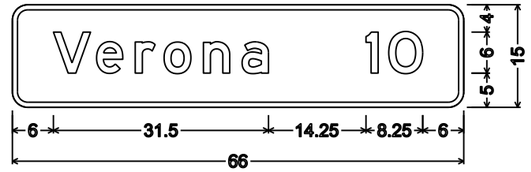
I2-3;
3.000" Radius, 1.000" Border,
"Paoli" D; "UNINCORPORATED" C



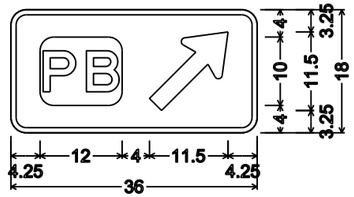
I2-3; 3.000" Radius, 1.000" Border,
"Belleville" D; "POPULATION" C; "2385" C

NOTES

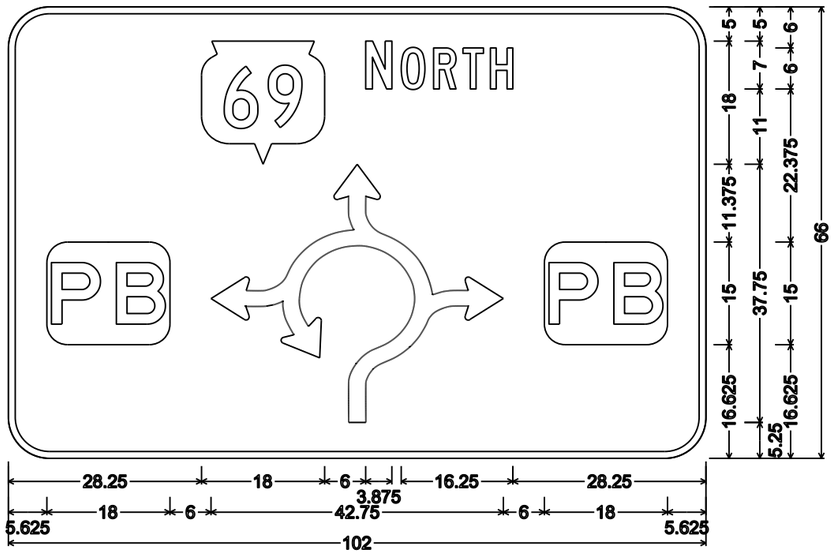
1. Sign is Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - As noted



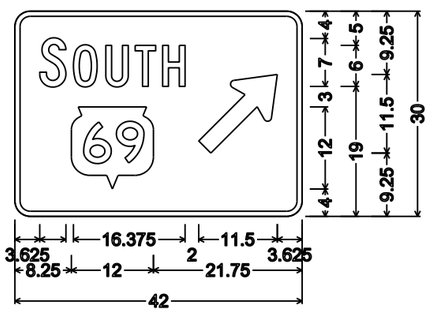
D2-1; 2.250" Radius, 0.750" Border,
"Verona" E; "10" E



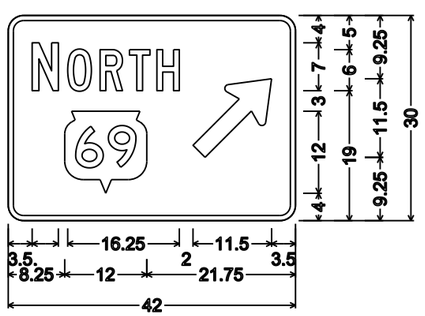
D1-1;
2.250" Radius, 0.750" Border



D1-62; 6.000" Radius, 1.000" Border,
"NORTH" C



D1-1;
2.250" Radius, 0.750" Border,
"SOUTH" C

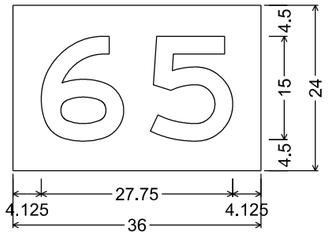


D1-1;
2.250" Radius, 0.750" Border,
"NORTH" C

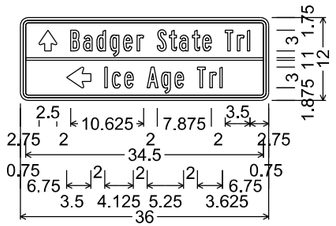
7

7

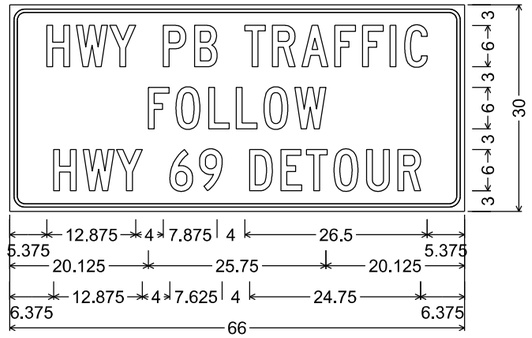
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	PERMANENT SIGNING	SHEET NO: 490	E



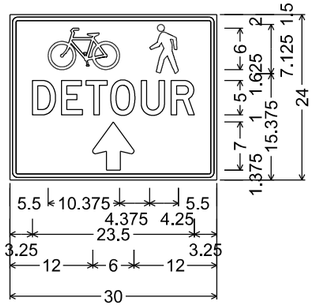
No border,
"65", E;



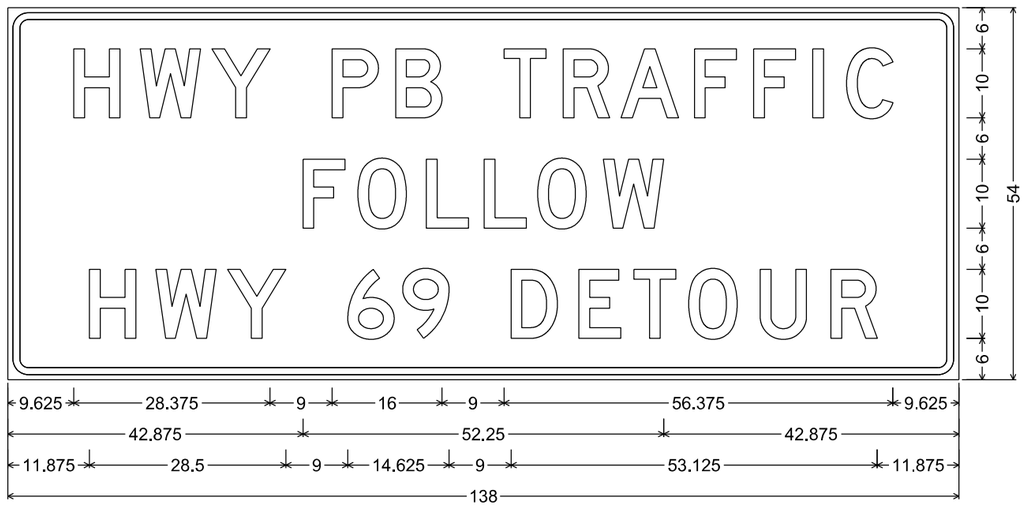
D1-2; 1.125" Radius, 0.375" Border, 0.375" Indent
"Badger", B; "State", B; "Trl", B;
"Ice", B; "Age", B; "Trl", B;



2.250" Radius, 0.500" Border, 0.625" Indent
"HWY", C; "PB", C; "TRAFFIC", C;
"FOLLOW", C; "HWY", C; "69", C; "DETOUR", C;



1.125" Radius, 0.500" Border, 0.375" Indent
"DETOUR", D



3.000" Radius, 1.000" Border, 0.750" Indent
"HWY", D; "PB", D; "TRAFFIC", D; "FOLLOW", D; "HWY", D; "69", D; "DETOUR", D;

NOTES

1. Signs are Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - As noted

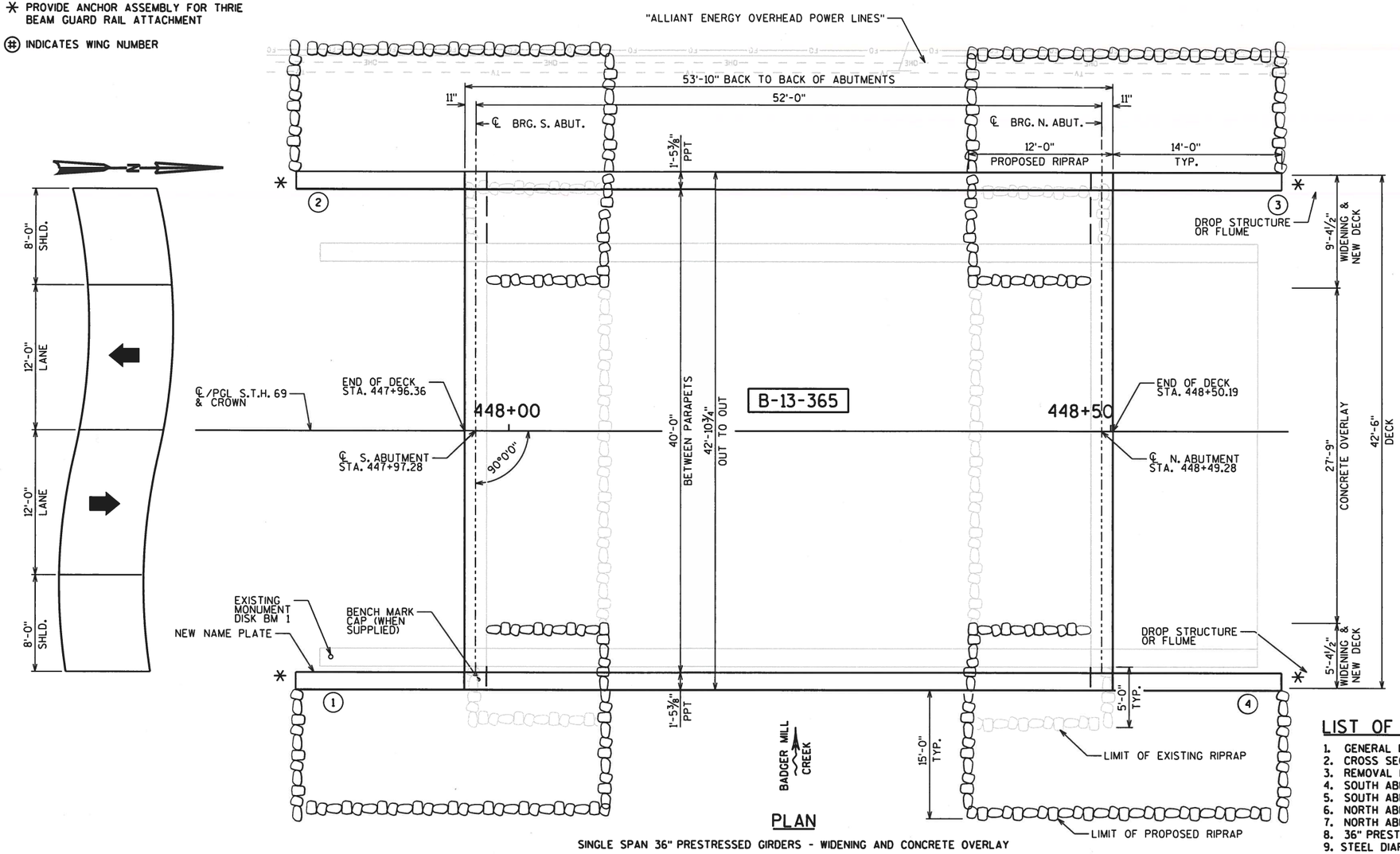
7

7

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	TEMPORARY SIGNING	SHEET NO: 491	E

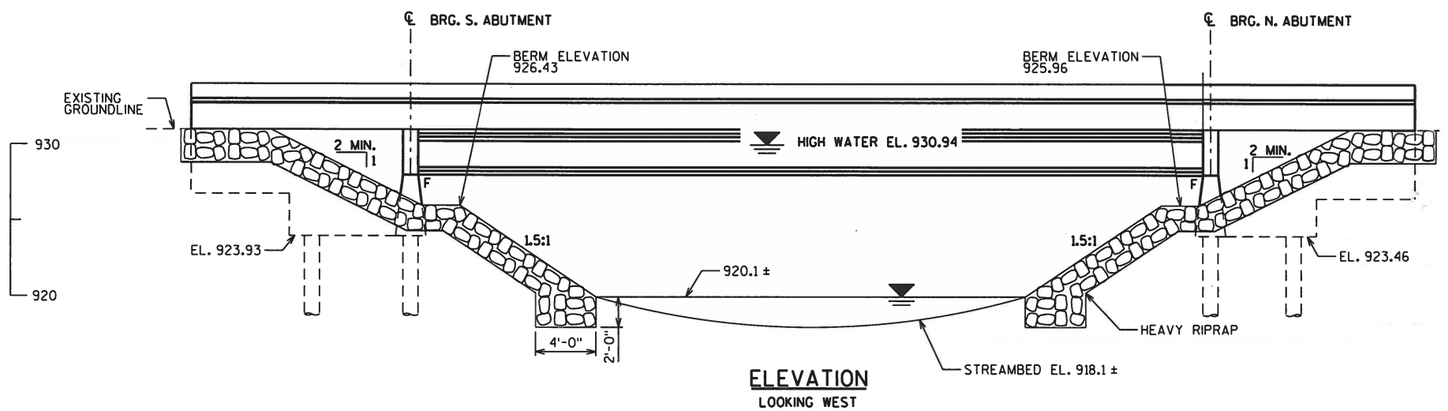
✳ PROVIDE ANCHOR ASSEMBLY FOR THRIE BEAM GUARD RAIL ATTACHMENT

Ⓝ INDICATES WING NUMBER



PLAN

SINGLE SPAN 36" PRESTRESSED GIRDERS - WIDENING AND CONCRETE OVERLAY



ELEVATION

LOOKING WEST

DESIGN DATA

LIVE LOAD (NEW GIRDERS):
DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF= 1.29
OPERATING RATING FACTOR: RF= 1.67

LIVE LOAD (EXISTING GIRDERS):
DESIGN LOADING: HS20
INVENTORY RATING: HS19
OPERATING RATING: HS32
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 220 KIPS

MATERIAL PROPERTIES:
CONCRETE MASONRY OVERLAY, DECK AND PARAPETS.....f'c = 4,000 P.S.I.
ALL OTHER.....f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT
HIGH STRENGTH, GRADE 60.....fy = 60,000 P.S.I.

36-INCH PRESTRESSED GIRDERS
CONCRETE MASONRY.....f'c = 6,000 P.S.I.
STRANDS - 0.6" DIA. WITH ULTIMATE TENSILE
STRENGTH OF 270,000 P.S.I.

TRAFFIC DATA

S.T.H. 69
A.D.T. = 5,800 (2009)
A.D.T. = 8,450 (2039)
RDS = 60 MPH

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON HP 10X42 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 110 TONS* PER PILE AS DETERMINED BY THE MODIFED GATES DYNAMIC FORMULA. ESTIMATED 48'LONG AT SOUTH ABUT. & 58'LONG AT NORTH ABUT.

*THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.50 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

HYDRAULIC DATA

BASE FLOOD
Q_{100} = 3437 CFS
V_{STR} = 8.26 FT/S
HIGH WATER = 930.94
DRAINAGE AREA = 31.7 SQ. MI.
WATERWAY AREA = 521.93 SQ. FT.

Q_2 = 1072 CFS
HW_2 = 922.77 FT
SCOUR CRITICAL CODE 5
OVERTOPPING FLOOD N/A

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. REMOVAL DETAILS
4. SOUTH ABUTMENT
5. SOUTH ABUTMENT DETAILS
6. NORTH ABUTMENT
7. NORTH ABUTMENT DETAILS
8. 36" PRESTRESSED GIRDER
9. STEEL DIAPHRAGM
10. SUPERSTRUCTURE PLAN
11. SUPERSTRUCTURE CROSS SECTION & DETAILS
12. TOP OF DECK ELEVATIONS
13. SINGLE SLOPE PARAPET 32SS
14. SUBSURFACE EXPLORATION

STRUCTURE DESIGN CONTACTS
BUREAU OF STRUCTURES:
AARON BONK (608) 261-0261
CONSULTANT:
KEVIN WOOD (414) 259-1500

STATE PROJECT NUMBER

1693-05-72

NO.	DATE	REVISION	BY

GRAEF
275 W. Wisconsin Avenue, Suite 300
Milwaukee, WI 53203
414 / 259 1500
414 / 259 0037 fax
www.graef-usa.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED SPR 08/05/21
CHIEF STRUCTURES DESIGN ENGINEER DATE

WISCONSIN KEVIN G. WOOD E-32070 MILWAUKEE, WI PROFESSIONAL ENGINEER
7-6-2021

STRUCTURE B-13-365

S.T.H. 69 OVER BADGER MILL CREEK

COUNTY	DANE	TOWN/~~CITY/VILLAGE~~	VERONA
DESIGN SPEC.	REHABILITATION N/A		
DESIGNED BY	RPB	DESIGN CK'D.	KGW
DRAWN BY	RBH	PLANS CK'D.	KGW

GENERAL PLAN

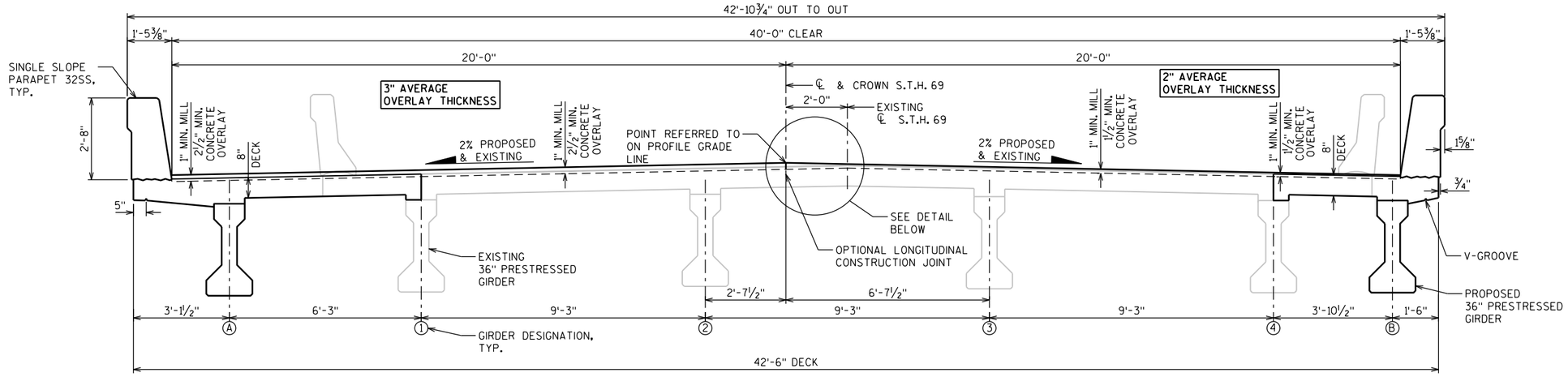
SHEET 1 OF 14
492

DATE:

8

8

STATE PROJECT NUMBER
1693-05-72



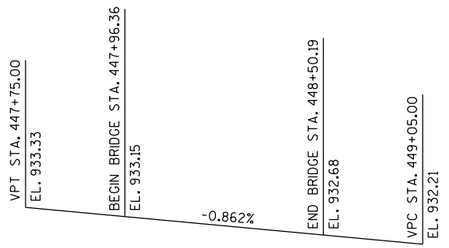
CROSS SECTION THRU B-13-365

LOOKING NORTH

TOTAL ESTIMATED QUANTITIES

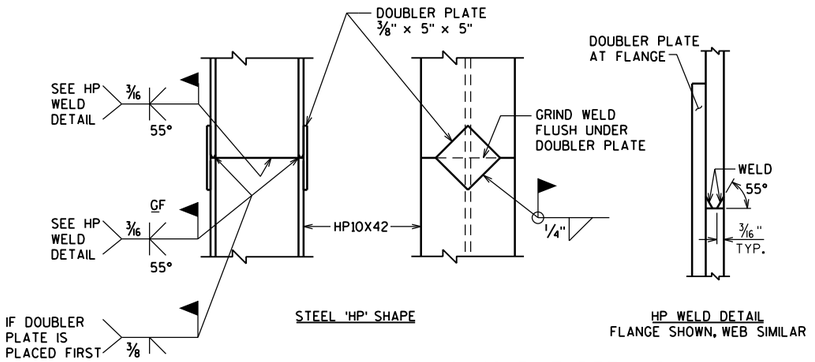
ITEM NO.	BID ITEM	UNIT	S. ABUT	N. ABUT	SUPER	TOTAL
203.0250	REMOVING STRUCTURE OVER WATERWAY REMOVE DEBRIS B-13-365	-	-	-	-	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-13-365	LS	-	-	-	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	96	96	-	192
502.0100	CONCRETE MASONRY BRIDGES	CY	23	23	37	83
502.3200	PROTECTIVE SURFACE TREATMENT	SY	-	-	240	240
502.3210	PIGMENTED SURFACE SEALER	SY	12	12	45	69
502.4206	ADHESIVE ANCHORS NO. 6 BAR	EACH	20	20	16	56
502.4208	ADHESIVE ANCHORS NO. 8 BAR	EACH	12	12	-	24
503.0136	PRESTRESSED GIRDER TYPE I 36-INCH	LF	-	-	106	106
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	800	800	2,590	4,190
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	2,310	2,310	6,130	10,750
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	-	-	4	4
506.4000	STEEL DIAPHRAGMS B-13-365	EACH	-	-	2	2
509.0301	PREPARATION DECKS TYPE 1	SY	-	-	4	4
509.0302	PREPARATION DECKS TYPE 2	SY	-	-	2	2
509.0500	CLEANING DECKS	SY	-	-	240	240
509.1500	CONCRETE SURFACE REPAIR	SF	1	1	1	3
509.2000	FULL-DEPTH DECK REPAIR	SY	-	-	1	1
509.2500	CONCRETE MASONRY OVERLAY DECKS	CY	-	-	18	18
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	8	8	2	18
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	240	288	-	528
606.0300	RIPRAP HEAVY	CY	96	99	-	195
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	61	61	-	122
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	2	2	-	4
645.0111	GEOTEXTILE FABRIC TYPE DF SCHEDULE A	SY	36	36	-	72
645.0120	GEOTEXTILE FABRIC TYPE HR	SY	164	164	-	328
	NON-BID ITEMS					
	PREFORMED JOINT FILLER	SIZE	-	-	-	1/2"
	NAME PLATE	EACH	-	-	-	1

ALL ITEMS CATEGORY 0020



FINAL PROFILE GRADE LINE S.T.H. 69

AFTER DECK MILLING AND PLACEMENT OF CONCRETE OVERLAY



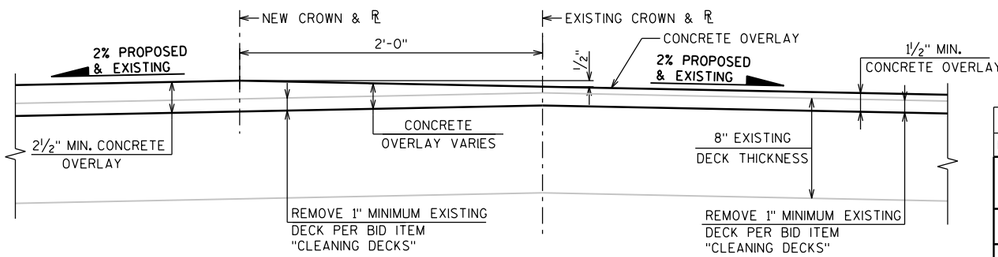
STEEL 'HP' SHAPE

HP WELD DETAIL
FLANGE SHOWN, WEB SIMILAR

HP 10x42 PILE DETAILS

BENCH MARKS

NO.	STATION	OFFSET	DESCRIPTION	ELEV.
BM 1	447+85.24	19.22' RT	MONUMENT DISK SOUTH EAST CORNER OF BRIDGE	935.41



DETAIL AT ROADWAY CROWN

LOOKING NORTH

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ALL CONCRETE REMOVAL NOT COVERED WITH A CONCRETE OVERLAY SHALL BE DEFINED BY A 1" DEEP SAW CUT.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE FABRIC TYPE 'HR' TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

AT THE BACKFACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL.

PROTECTIVE SURFACE TREATMENT SHALL BE APPLIED TO THE ENTIRE TOP SURFACE OF THE NEW CONCRETE OVERLAY AND WIDENING. PIGMENTED SURFACE SEALER SHALL BE APPLIED TO THE FRONT FACE AND TOP OF PARAPETS.

PREPARATION DECKS TYPE 1, PREPARATION DECKS TYPE 2, AND FULL-DEPTH DECK REPAIR AREAS ARE BASED ON THE PLANS AND AS DETERMINED BY THE ENGINEER. DECK PREPARATION AND FULL-DEPTH DECK REPAIRS SHALL BE FILLED WITH "CONCRETE MASONRY OVERLAY DECKS".

A MINIMUM OF 1-INCH OF CONCRETE SHALL BE REMOVED FROM THE ENTIRE BRIDGE DECK (REMAINING EXISTING AND WIDENED DECK) UNDER THE BID ITEM "CLEANING DECKS", AFTER WIDENING OF THE BRIDGE DECK.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE PRESTRESSED GIRDER DETAILS SHEET.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-13-365" SHALL BE THE EXISTING GROUNDLINE.

THE BACKFILL QUANTITIES ARE BASED ON THE PAY LIMITS SHOWN ON THE PLANS AND MAY NOT REFLECT ACTUAL PLACED QUANTITIES. "BACKFILL STRUCTURAL TYPE A" REQUIRED DIRECTLY BEHIND ABUTMENTS AND ABUTMENT WINGS FOR 3 FEET. BACKFILL PLACED BEYOND PAY LIMITS OR EXCEEDING PLAN QUANTITIES SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES.

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF THE EXCAVATION AND EXTEND 2'-0" ABOVE THE BOTTOM OF ABUTMENT.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. NAME PLATE TO SHOW ORIGINAL CONSTRUCTION YEAR OF 1989.

VARIATIONS TO THE NEW GRADE LINE OVER ¼" MUST BE SUBMITTED BY THE FIELD ENGINEER TO THE STRUCTURES DESIGN SECTION FOR REVIEW.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-365

DRAWN BY WAR | PLANS CK'D. KGW

CROSS SECTION & QUANTITIES

SHEET 2 OF 14
493

8

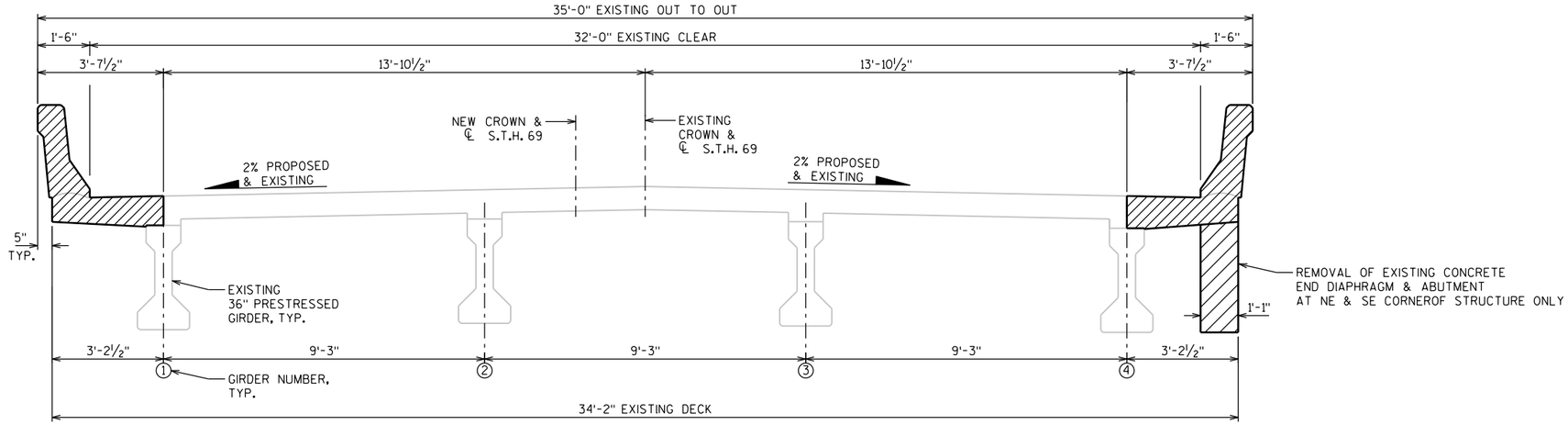
8

FILE= SCALE =

X:±MD±2015±20155069±CAD±STRUCTURAL±DGN±00±B-13-365_02.DGN 6/30/2021 9:19:30 AM

STATE PROJECT NUMBER

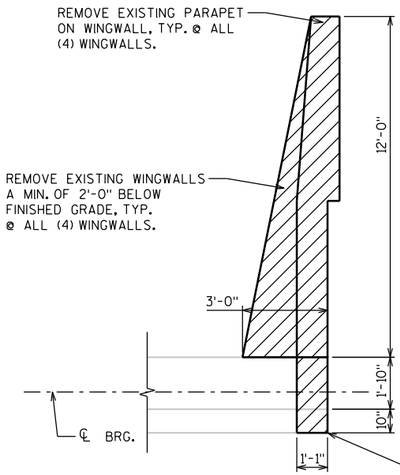
1693-05-72



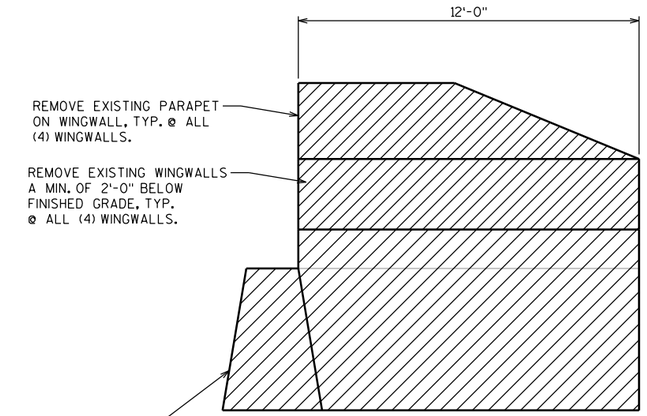
DECK REMOVAL

(LOOKING NORTH)

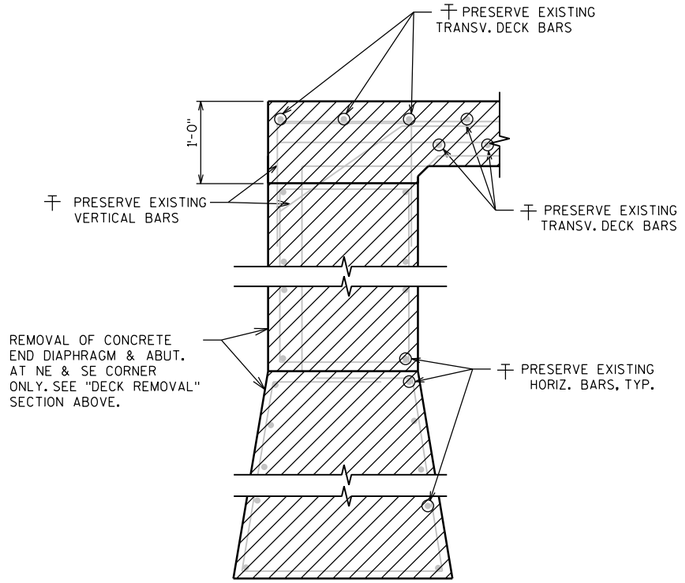
NOTE: MILLING OF DECK AND PLACEMENT OF CONCRETE OVERLAY SHALL OCCUR AFTER NEW DECK HAS CURED



WINGWALL REMOVAL PLAN



WINGWALL REMOVAL ELEVATION



REMOVAL AT END OF DECK

LEGEND

REMOVAL LIMITS

EXISTING BARS ARE LIKELY TO BE CORRODED AND/OR DAMAGED DURING CONCRETE REMOVAL. PRESERVE AND INCORPORATE AS MUCH REBAR AS PRACTICAL.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-365

DRAWN BY WAR | PLANS CK'D. KGW

REMOVAL DETAILS

SHEET 3 OF 14

494

FILE= SCALE =

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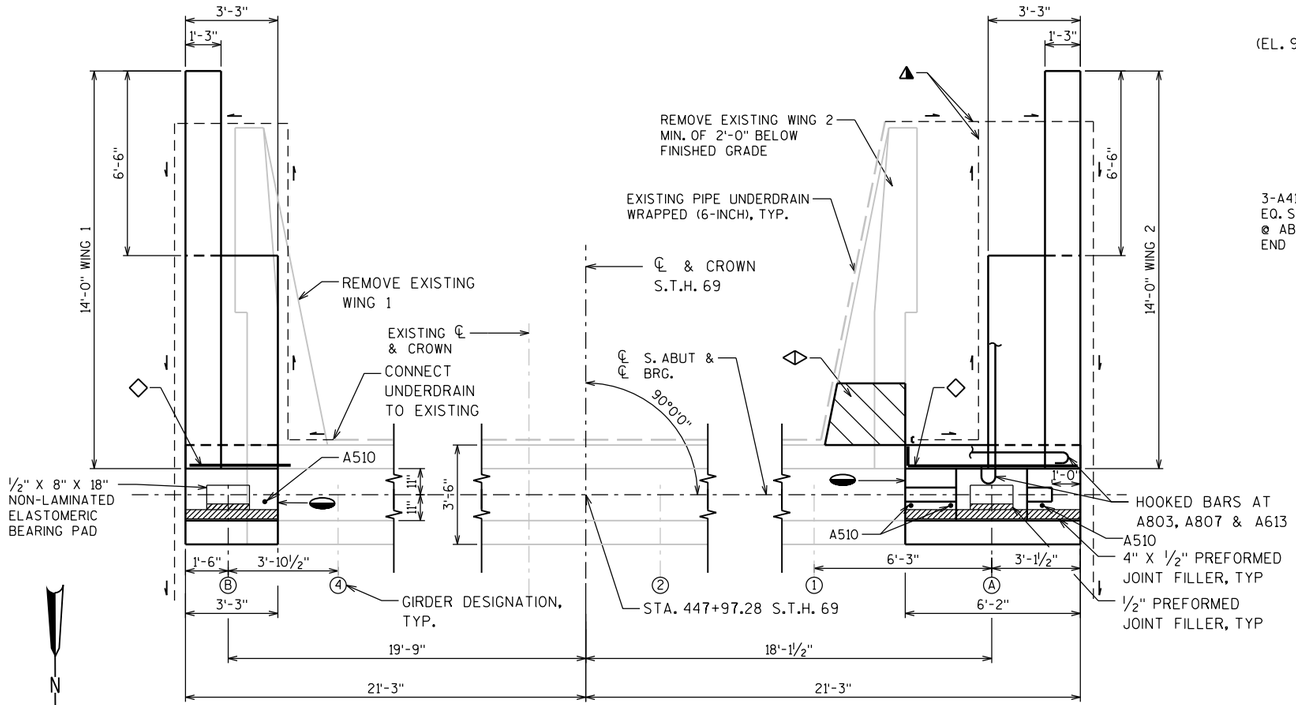
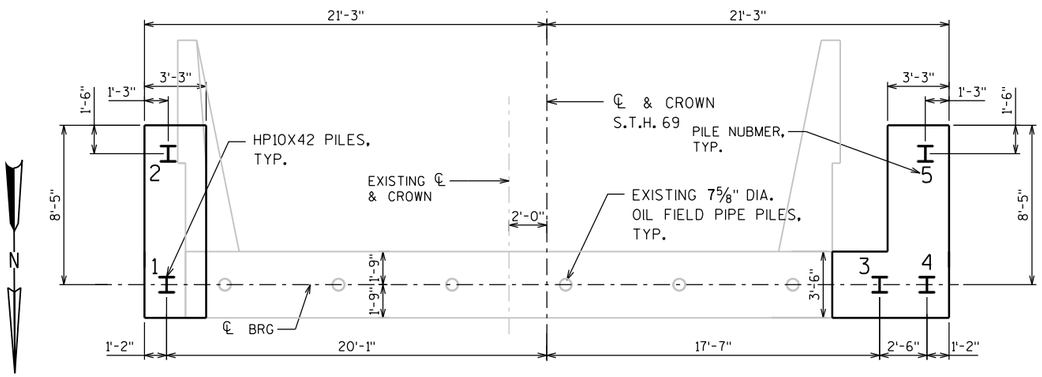
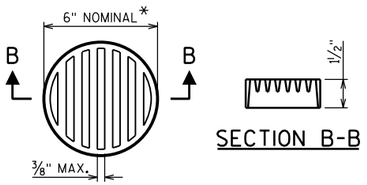


SOUTH ABUTMENT PLAN



PILE PLAN



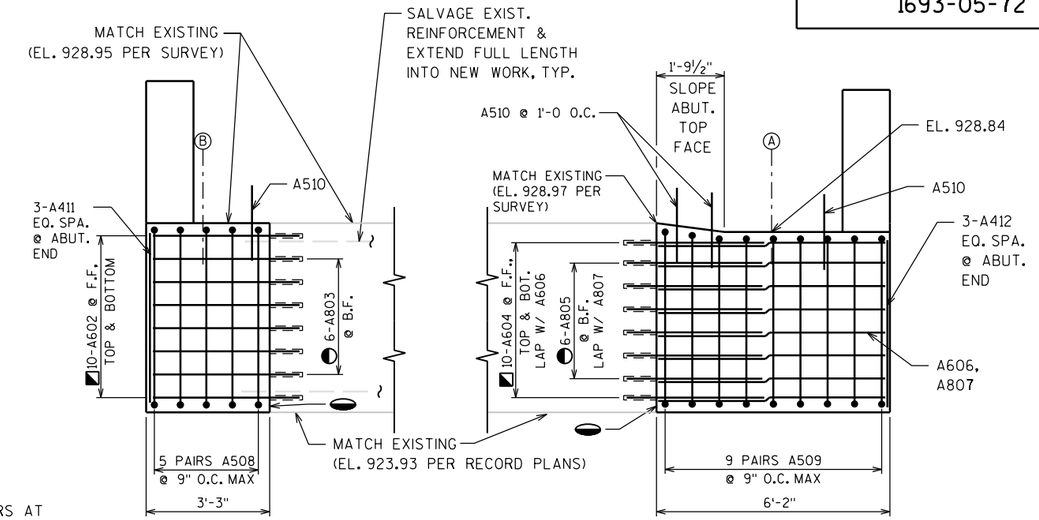
RODENT SHIELD DETAIL

SECTION B-B

*DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

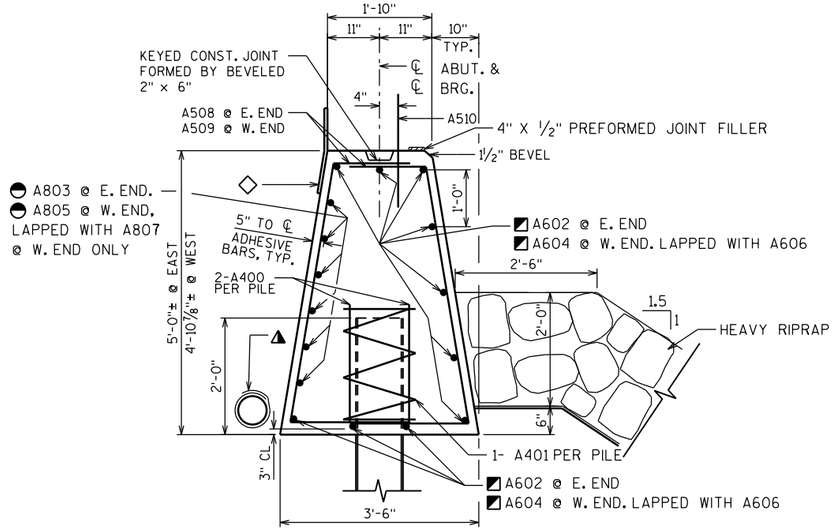
THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



SOUTH ABUTMENT ELEVATION

LOOKING SOUTH



SECTION THRU ABUTMENT

FOUNDATION DATA

ABUTMENT TO BE SUPPORTED ON HP 10X42 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 110 TONS PER PILE AS DETERMINED BY THE MODIFED GATES DYNAMIC FORMULA. ESTIMATED 48' LONG.

LEGEND

- ◩ ADHESIVE ANCHORS #6 BAR. EMBED 9" IN CONCRETE.
- ◓ ADHESIVE ANCHORS #8 BAR. EMBED 9" IN CONCRETE.
- ◇ 18" RUBBERIZED MEMBRANE WATERPRROF. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE.
- ▲ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD TO ENDS OF PIPE UNDERDRAIN.
- ◁▷ REMOVE CONCRETE IN THIS AREA DOWN TO EXIST. BRIDGE SEAT. INCORPORATE EXISTING BAR STEEL INTO NEW WORK.
- ⬭ ROUGHEN SURFACE OF CONCRETE ¼" DEEP MINIMUM AL ALL SURFACES WHERE NEW CONCRETE CONTACTS EXISTING CONCRETE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-365

DRAWN BY WAR | PLANS CK'D. KGW

SOUTH ABUTMENT

SHEET 4 OF 14
495

FILE=
SCALE =

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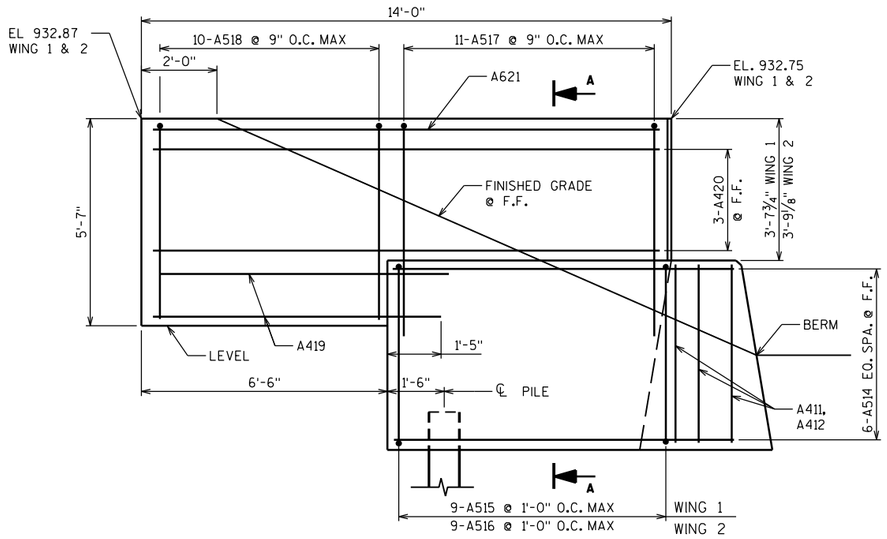
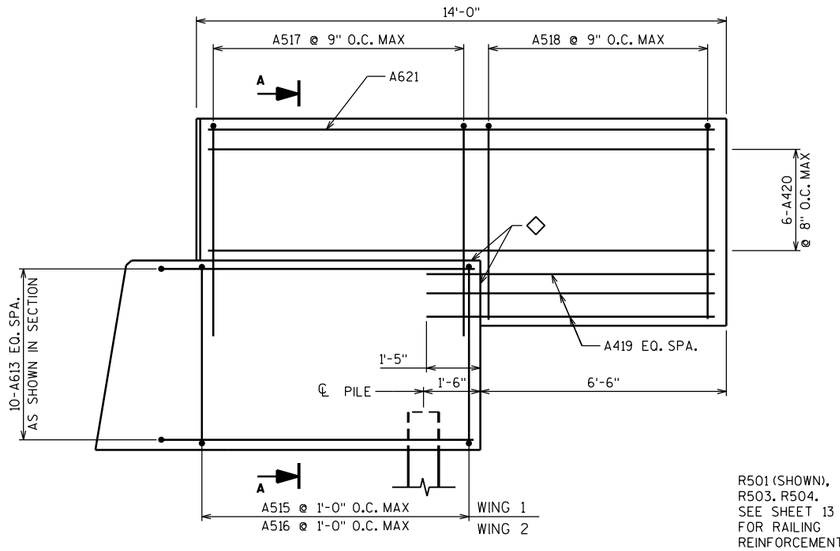
STATE PROJECT NUMBER

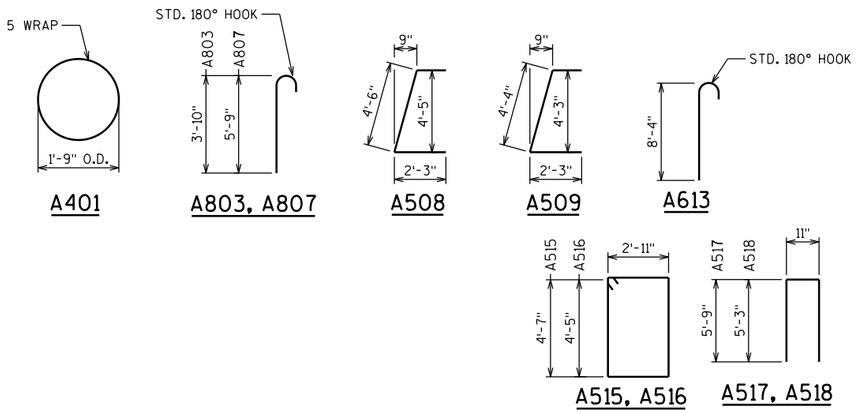
1693-05-72

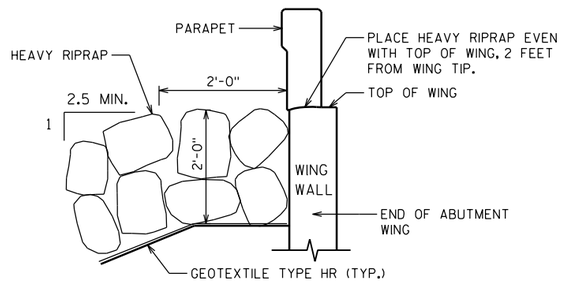


SOUTH ABUTMENT WINGWALL F.F. ELEVATION

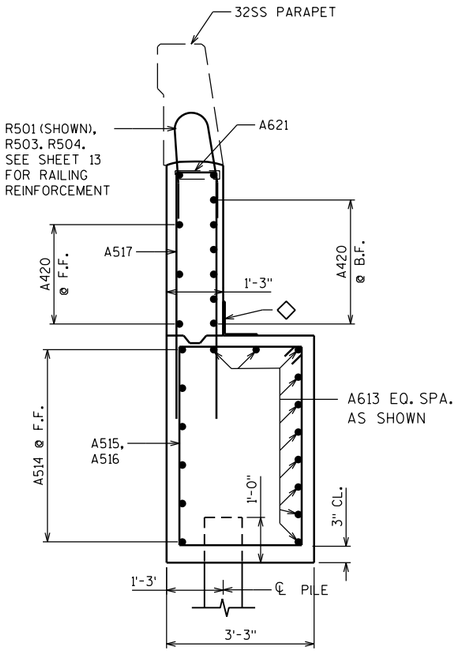


SOUTH ABUTMENT WINGWALL B.F. ELEVATION





WING FILL SECTION
AT WING TIPS

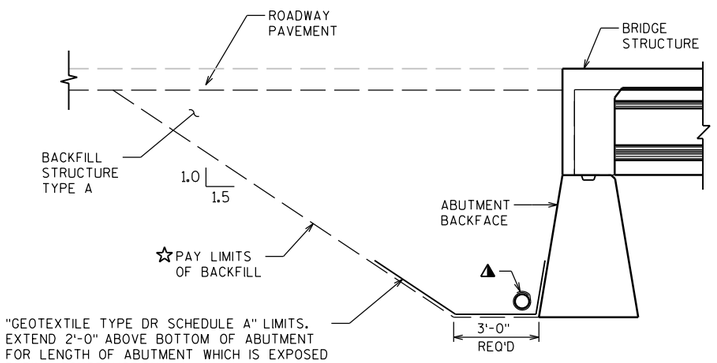


SECTION A-A

ALL BARS EQUALLY SPACED U.N.O.

SOUTH ABUTMENT BILL OF BARS

MARK	COATED	NO. REQ'D	LENGTH	BAR SERIES	BENT	LOCATION
A400		6	2'-3"			PILE VERTICAL (2 PER BODY PILE)
A401		3	28'-0"		X	PILE SPIRAL (1 PER BODY PILE)
A602		10	3'-10"			BODY HORIZ. DOWEL E. END - TOP, BOT. & F.F.
A803		6	4'-9"		X	BODY HORIZ. DOWEL E. END - B.F.
A604		10	4'-4"			BODY HORIZ. W. END DOWEL - TOP, BOT. & F.F.
A805		6	6'-0"			BODY HORIZ. W. END DOWEL - B.F.
A606		10	5'-9"			BODY HORIZ. W. END - TOP, BOT. & F.F.
A807		6	6'-8"		X	BODY HORIZ. W. END - B.F.
A508		10	8'-1"		X	BODY VERT. E. END
A509		18	7'-11"		X	BODY VERT. W. END
A510	X	4	2'-0"			SEAT VERT.
A411		3	4'-7"			BODY VERT.@ E. END
A412		3	4'-5"			BODY VERT. @ W. END
A613	X	20	9'-1"		X	LOWER WING B.F. & TOP
A514	X	12	9'-0"			LOWER WING F.F.
A515	X	9	15'-8"		X	LOWER WING 1 VERT.
A516	X	9	15'-4"		X	LOWER WING 2 VERT.
A517	X	22	12'-2"		X	UPPER WING VERT. OVER LOWER WING
A518	X	20	11' 2"		X	UPPER WING VERT. OVERHANG
A419	X	10	7'-9"			UPPER WING HORIZ. F.F. & B.F. @ OVERHANG
A420	X	18	13'-7"			UPPER WING HORIZ. F.F. & B.F.
A621	X	4	13'-7"			UPPER WING HORIZ. TOP



TYPICAL SECTION THRU ABUTMENT

LEGEND

◩ ADHESIVE ANCHORS #6 BAR. EMBED 9" IN CONCRETE.

◓ ADHESIVE ANCHORS #8 BAR. EMBED 9" IN CONCRETE.

◇ 18" RUBBERIZED MEMBRANE WATERPRROF. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE.

▲ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD TO ENDS OF PIPE UNDERDRAIN.

☆ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVTION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR. BACKFILL QUANTITY USES LENGTH OF FULL DEPTH ABUTMENT BACKFILL AS 3'-3" PLUS 3'-0" AT EAST & 6'-2" PLUS 3'-0" AT WEST.

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STRUCTURE B-13-365

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SOUTH ABUTMENT DETAILS

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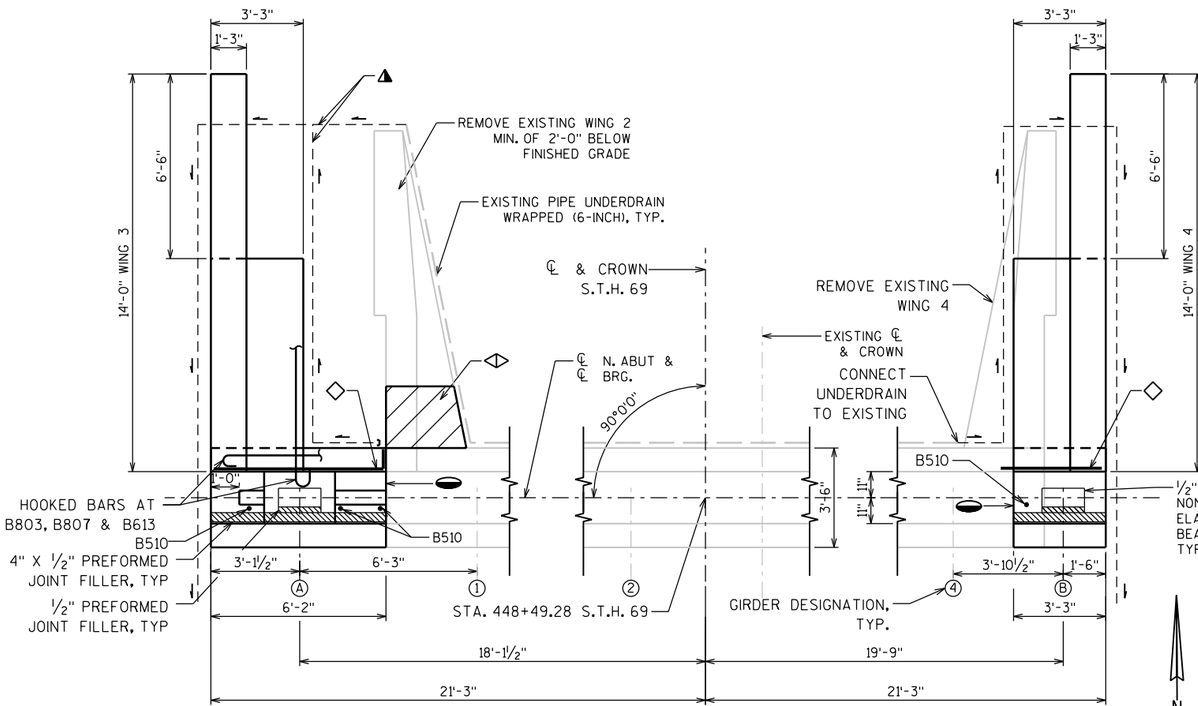
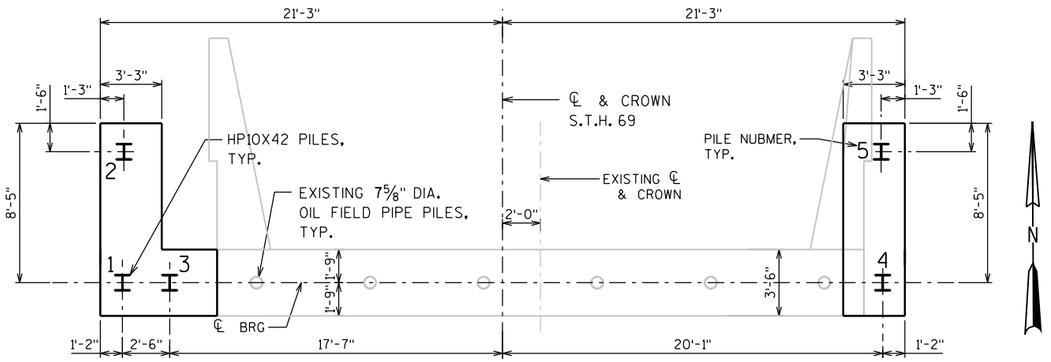
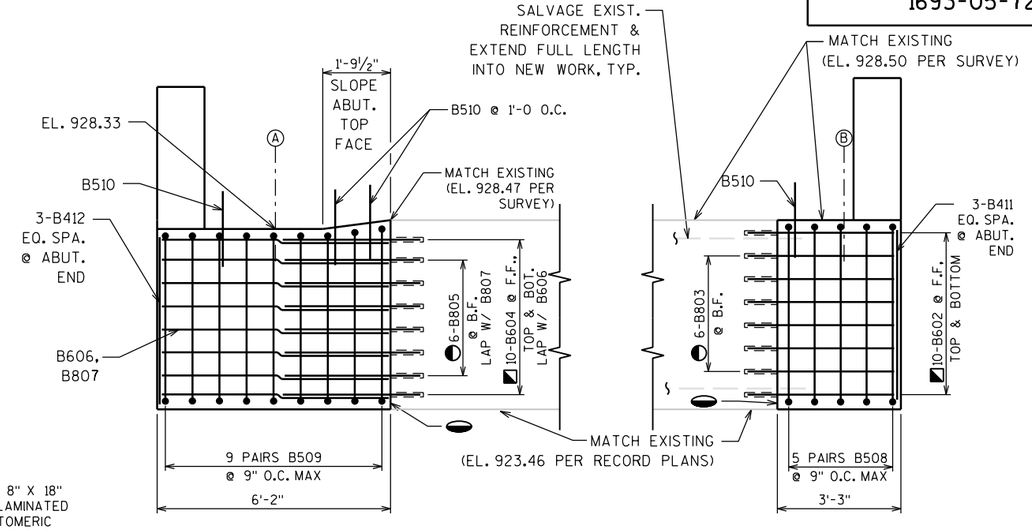


NORTH ABUTMENT PLAN

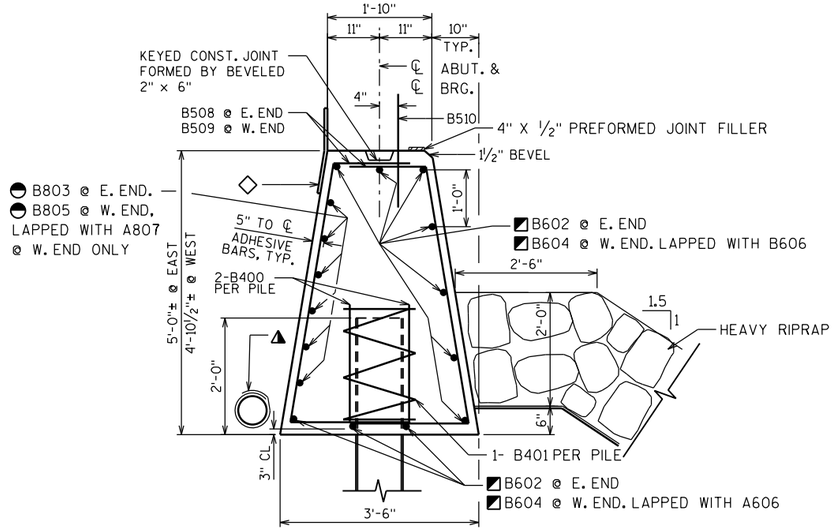


PILE PLAN

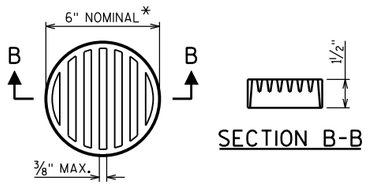


NORTH ABUTMENT ELEVATION

LOOKING NORTH



SECTION THRU ABUTMENT



SECTION B-B

RODENT SHIELD DETAIL

*DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

FOUNDATION DATA

ABUTMENT TO BE SUPPORTED ON HP 10X42 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 110 TONS PER PILE AS DETERMINED BY THE MODIFED GATES DYNAMIC FORMULA. ESTIMATED 48' LONG.

LEGEND

- ◪ ADHESIVE ANCHORS #6 BAR. EMBED 9" IN CONCRETE.
- ◓ ADHESIVE ANCHORS #8 BAR. EMBED 9" IN CONCRETE.
- ◇ 18" RUBBERIZED MEMBRANE WATERPRROF. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE.
- ▲ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD TO ENDS OF PIPE UNDERDRAIN.
- ◇ REMOVE CONCRETE IN THIS AREA DOWN TO EXIST. BRIDGE SEAT. INCORPORATE EXISTING BAR STEEL INTO NEW WORK.
- ⬭ ROUGHEN SURFACE OF CONCRETE ¼" DEEP MINIMUM AL ALL SURFACES WHERE NEW CONCRETE CONTACTS EXISTING CONCRETE.

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STRUCTURE B-13-365

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NORTH ABUTMENT

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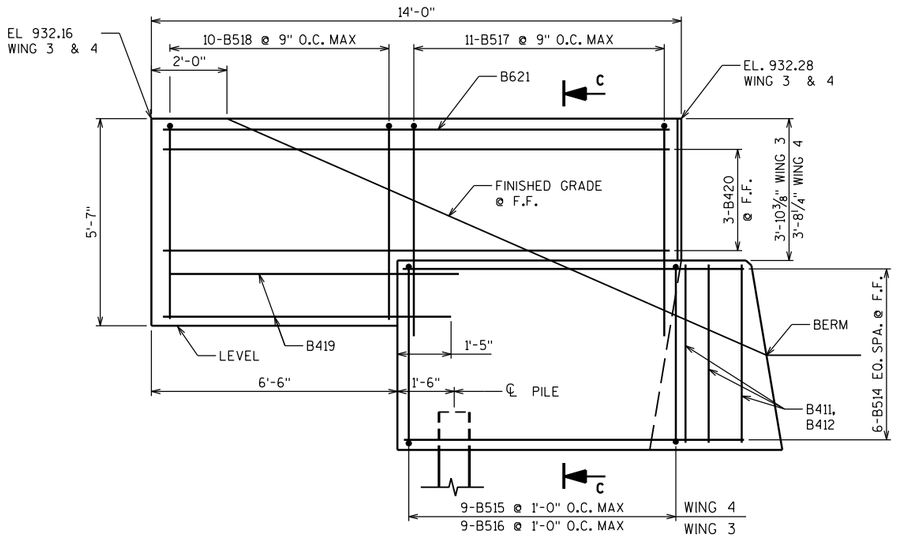
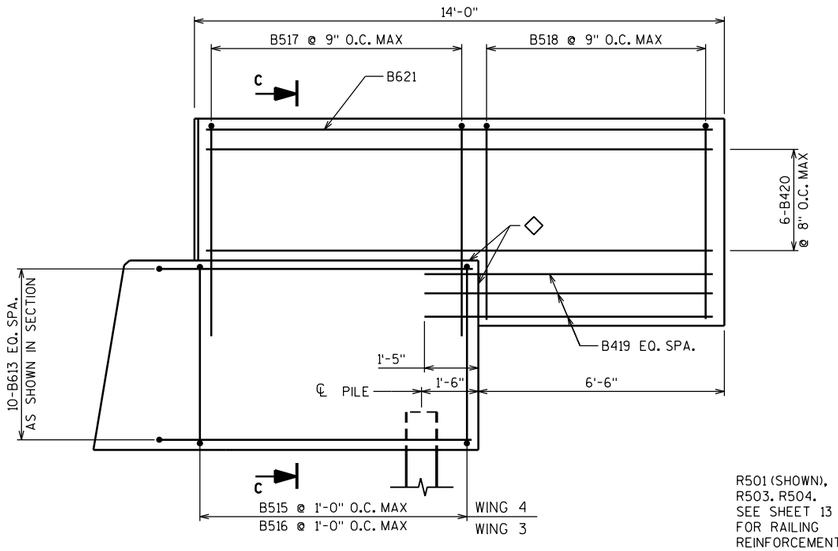


NORTH ABUTMENT WINGWALL F.F. ELEVATION



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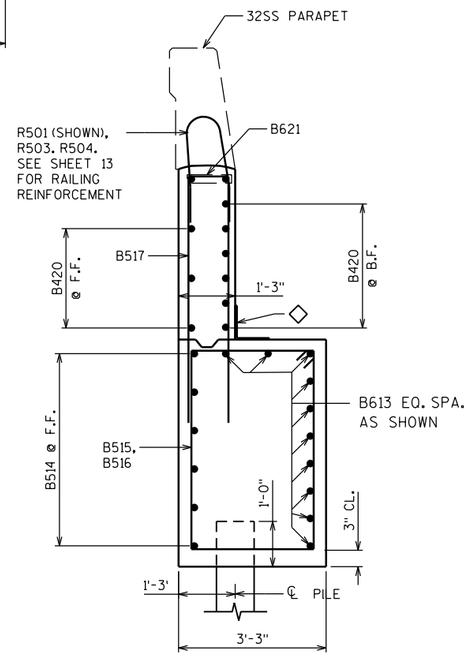
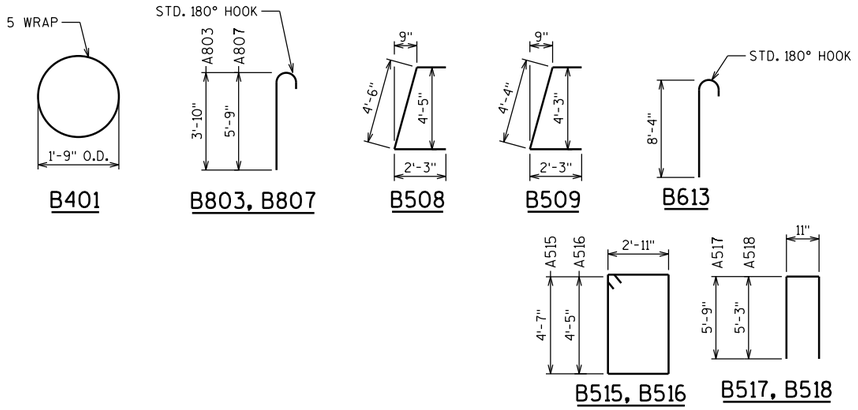
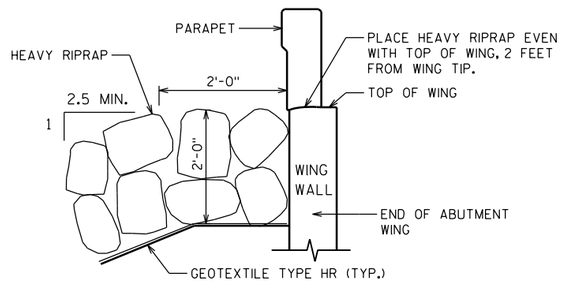


SECTION C-C

ALL BARS EQUALLY SPACED U.N.O.





WING FILL SECTION
AT WING TIPS

NORTH ABUTMENT BILL OF BARS

MARK	COATED	NO. REQ'D	LENGTH	BAR SERIES	BENT	LOCATION
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B401		3	28'-0"		X	PILE SPIRAL (1 PER BODY PILE)
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B803		6	4'-9"		X	BODY HORIZ. DOWEL E. END - B.F.
B604		10	4'-4"			BODY HORIZ. W. END DOWEL - TOP, BOT. & F.F.
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B606		10	5'-9"			BODY HORIZ. W. END - TOP, BOT. & F.F.
B807		6	6'-8"		X	BODY HORIZ. W. END - B.F.
B508		10	8'-1"		X	BODY VERT. E. END
B509		18	7'-11"		X	BODY VERT. W. END
B510	X	4	2'-0"			SEAT VERT.
B411		3	4'-7"			BODY VERT.@ E. END
B412		3	4'-5"			BODY VERT. @ W. END
B613	X	20	9'-1"		X	LOWER WING B.F. & TOP
B514	X	12	9'-0"			LOWER WING F.F.
B515	X	9	15'-8"		X	LOWER WING 4 VERT.
B516	X	9	15'-4"		X	LOWER WING 3 VERT.
B517	X	22	12'-2"		X	UPPER WING VERT. OVER LOWER WING
B518	X	20	11'-2"		X	UPPER WING VERT. OVERHANG
B419	X	10	7'-9"			UPPER WING HORIZ. F.F. & B.F. @ OVERHANG
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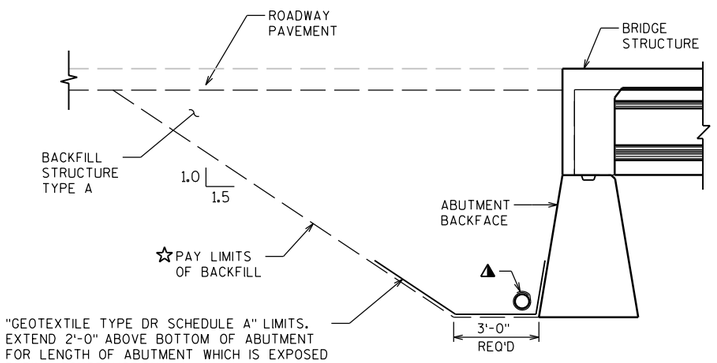

"GEOTEXTILE TYPE DR SCHEDULE A" LIMITS. EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT FOR LENGTH OF ABUTMENT WHICH IS EXPOSED DURING CONSTRUCTION.

TYPICAL SECTION THRU ABUTMENT

LEGEND

◩ ADHESIVE ANCHORS #6 BAR. EMBED 9" IN CONCRETE.

◓ ADHESIVE ANCHORS #8 BAR. EMBED 9" IN CONCRETE.

◇ 18" RUBBERIZED MEMBRANE WATERPRROF. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE.

▲ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD TO ENDS OF PIPE UNDERDRAIN.

☆ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVTION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR. BACKFILL QUANTITY USES LENGTH OF FULL DEPTH ABUTMENT BACKFILL AS 3'-3" PLUS 3'-0" AT EAST & 6'-2" PLUS 3'-0" AT WEST.

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STRUCTURE B-13-365

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NORTH ABUTMENT DETAILS

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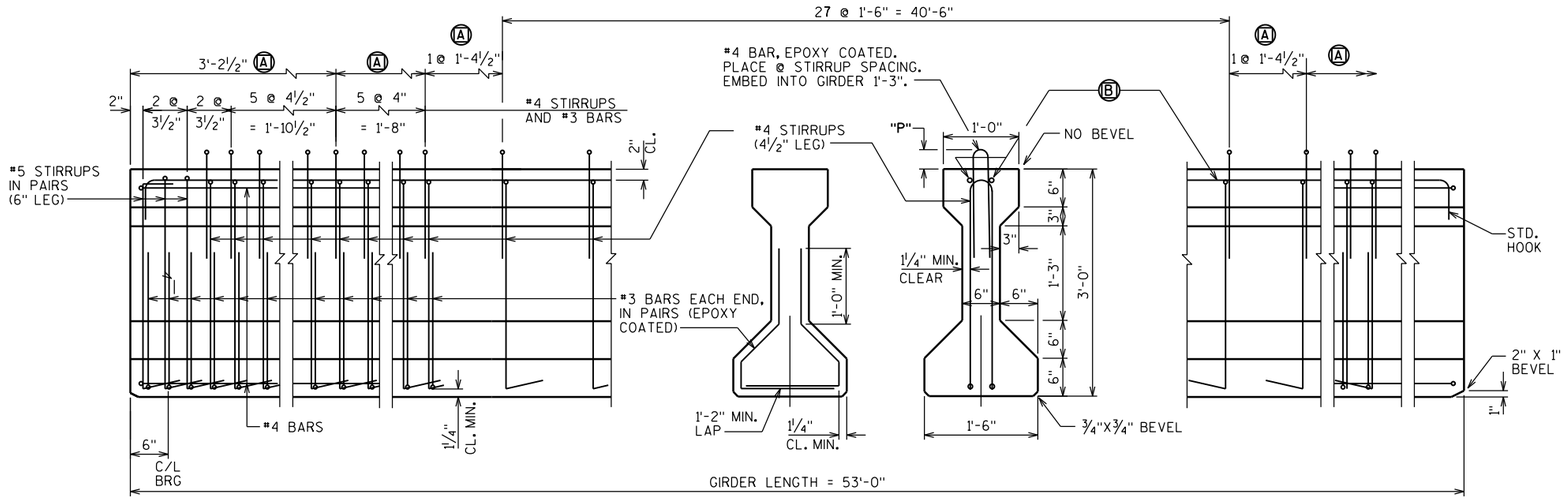
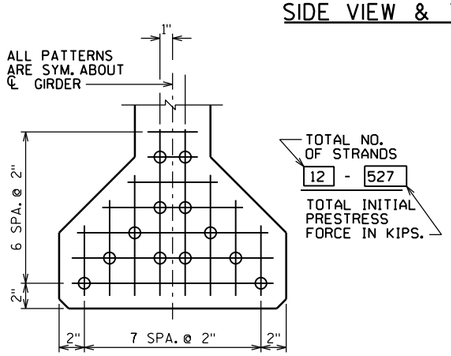


SIDE VIEW & TYPICAL SECTION IN SPAN

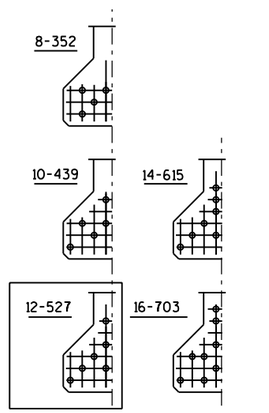
Ⓐ DETAIL TYP. AT EACH END

Ⓑ 2 #6 BARS, FULL LENGTH, MIN. LAP = 2'-7", STD. HOOK AT ENDS



TYP. STRAND PATTERN

TOP VIEW OF GIRDER ENDS



UNDRAPED PATTERN

0.6" DIA. STRANDS

DEAD LOAD DEFLECTION DIAGRAM

* THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
1	1¼"

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 2" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 2" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.3 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

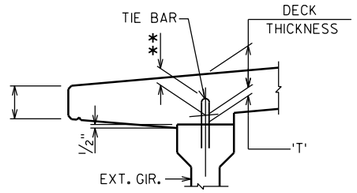
SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

BEND EACH END OF #4 STIRRUPS 4½" AND #5 STIRRUPS 6".

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.



DECK HAUNCH DETAIL

IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
\- TOP OF GIRDER ELEVATION
\+ DEAD LOAD DEFLECTION
\- DECK THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF AS SHOWN BELOW WAS USE IN THE QUANTITY "CONCRETE MASONRY BRIDGES":

GIRDER A = 1½"
GIRDER B = ½"

* MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L" (FEET)	DEAD LOAD DEFL. (IN.) 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (P.S.I.)	"P" (IN.) 1ST 1/3 OF GIRDER	MID 1/3 OF GIRDER	END 1/3 OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *	"A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *
1	A & B	53'-0"	⅛"	¼"	⅜"	⅜"	½"	⅜"	⅜"	¼"	⅛"	6,000	6	7	6	0.6							12	5,000

DEAD LOAD DEFLECTION VALUES INCLUDE CONCRETE OVERLAY

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36" PRESTRESSED GIRDER DETAILS

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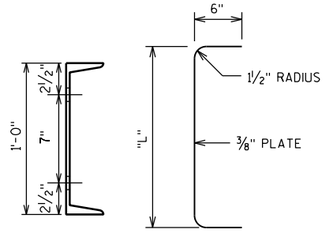
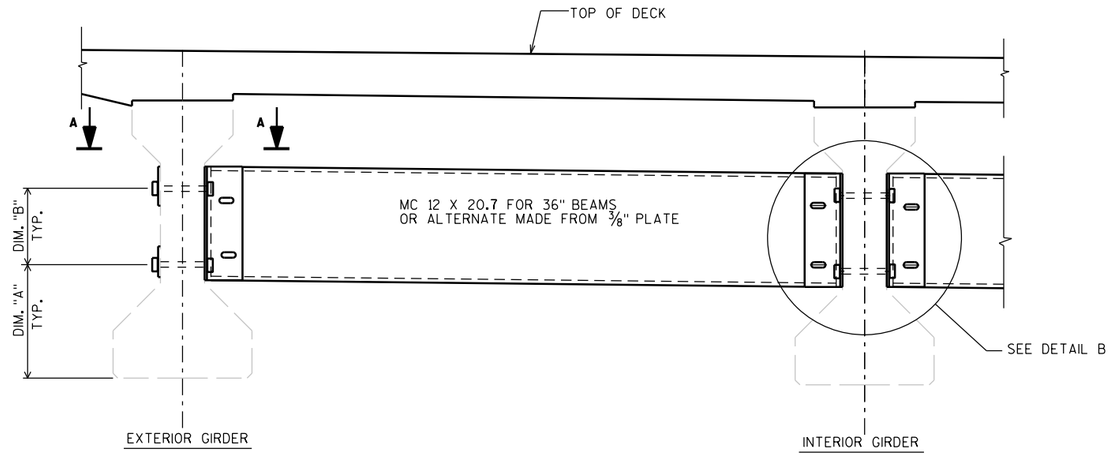
TABLE

GIRDER HEIGHT	DIM. "A"	DIM. "B"	DIM. "L"	* DIM. "X"
36"	1'-2 7/8"	9 7/8"	1'-1 1/2"	3 1/4"



SECTION THRU ALTERNATE DIAPHRAGM



PART TRANSVERSE SECTION AT DIAPHRAGM

NOTES

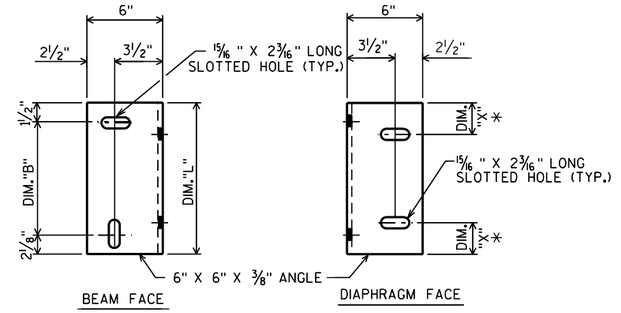
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-13-365", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

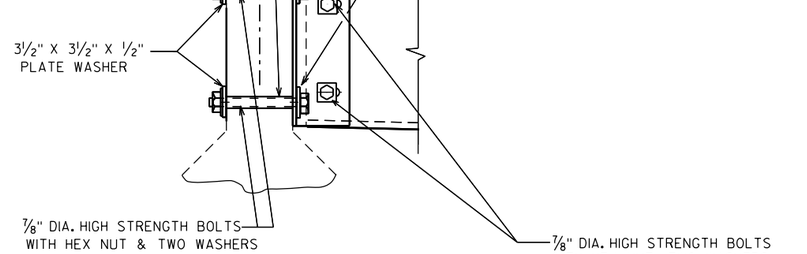
ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS 1/4 TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.



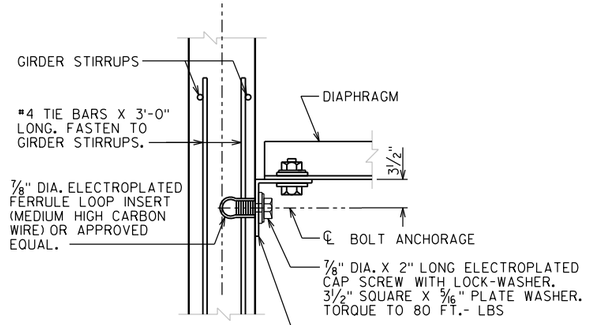
DIAPHRAGM SUPPORT

*DIM "X" = 2 1/2" FOR ALTERNATE PLATE DIAPHRAGM



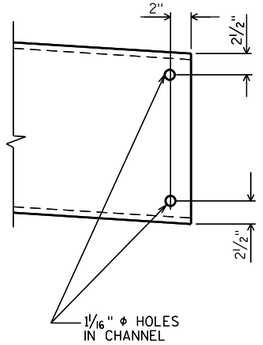
DETAIL B

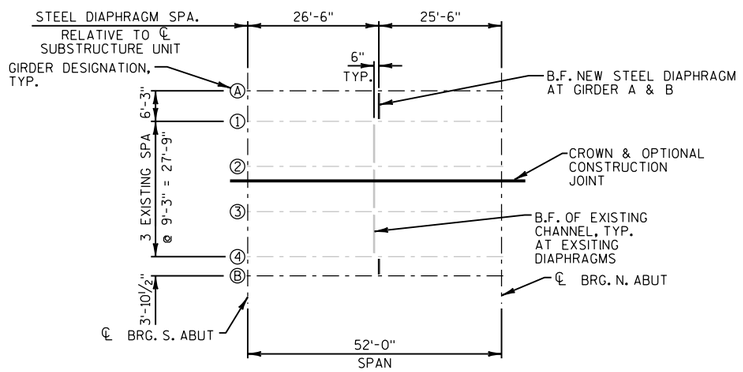
(FOR ATTACHMENT TO EXISTING GIRDERS 1& 4)



SECTION A-A

(FOR ATTACHMENT TO GIRDERS A & B)





DIAPHRAGM PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-365

DRAWN BY WAR | PLANS CK'D. KGW

STEEL DIAPHRAGM

SHEET 9 OF 14

500

8

8

X:±MD±2015±20155069±CAD±STRUCTURAL±DGN±00±B-13-365_DIAPHRAGM.DGN 6/30/2021 9:19:37 AM

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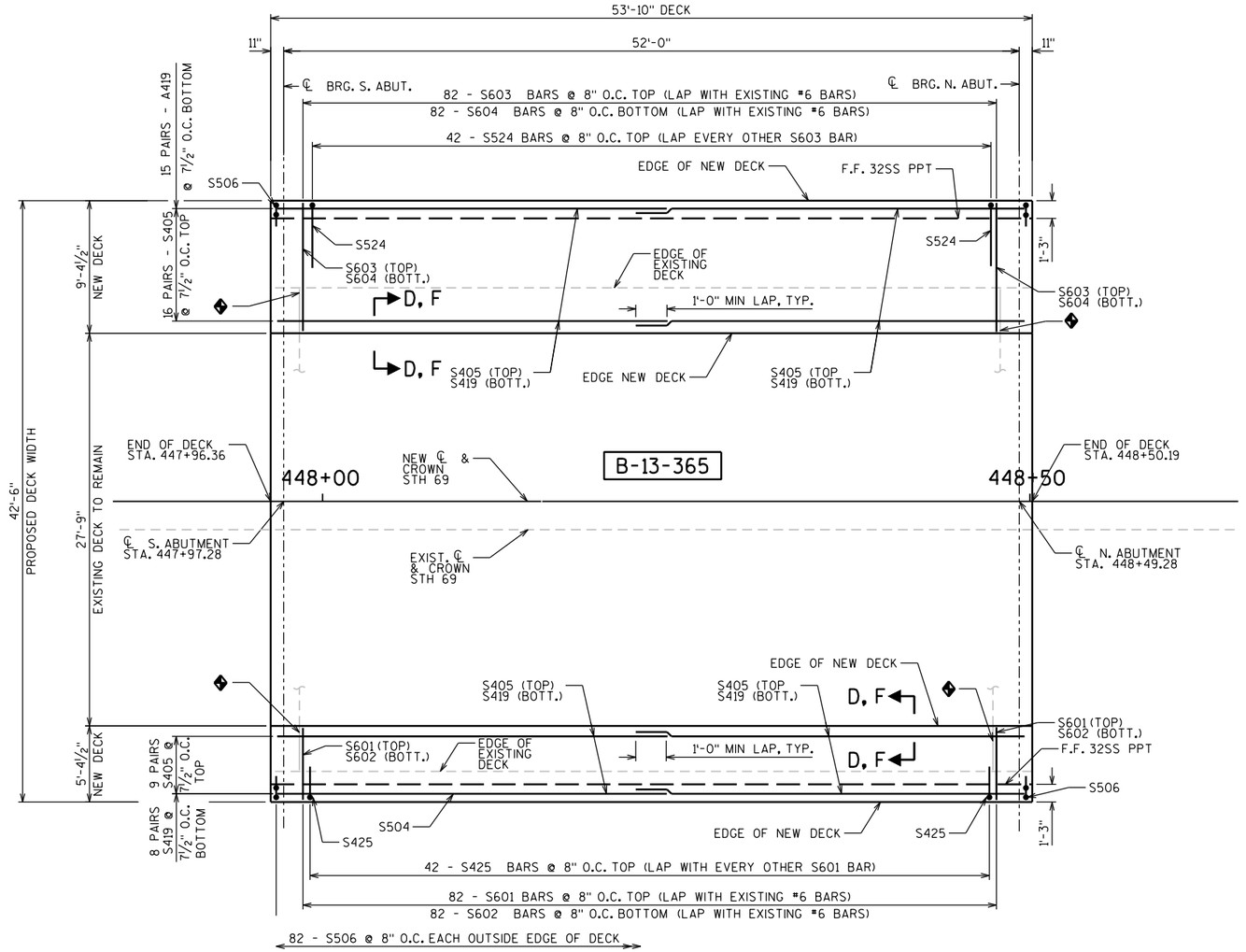
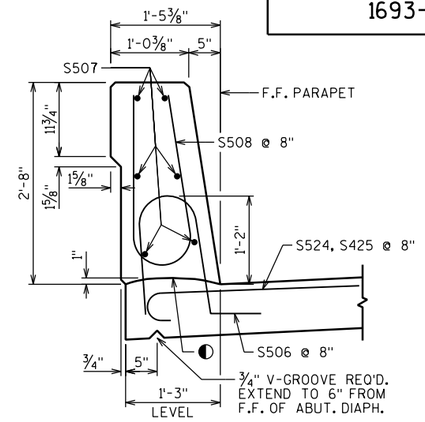
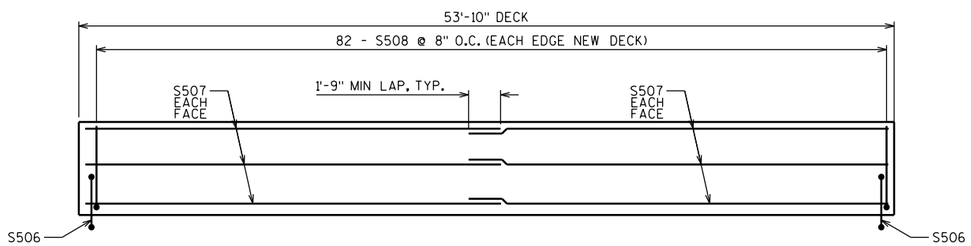
STATE PROJECT NUMBER
1693-05-72



DECK REINFORCING PLAN



SECTION THRU PARAPET ON DECK



SINGLE SLOPE PARAPET 32SS PARAPET REINFORING ELEVATION

NOTE

SEE SHEET 12 FOR SECTION D-D & F-F.

LEGEND

◆ EXISTING TRANSVERSE #6 REINFORCING BARS TO BE PRESERVED AND INCORPORATED INTO NEW WORK. MINIMUM LAP LENGTH = 3'-0½"

◐ CONST. JOINT - STRIKE OFF AS SHOWN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-365

DRAWN BY WAR | PLANS CK'D. KGW

SUPERSTRUCTURE PLAN

SHEET 10 OF 14
501

FILE =
SCALE =

X:±MD±2015±20155069±CAD±STRUCTURAL±DGN±00±B-13-365_DECK_REINFORCING.DGN 6/30/2021 9:19:37 AM

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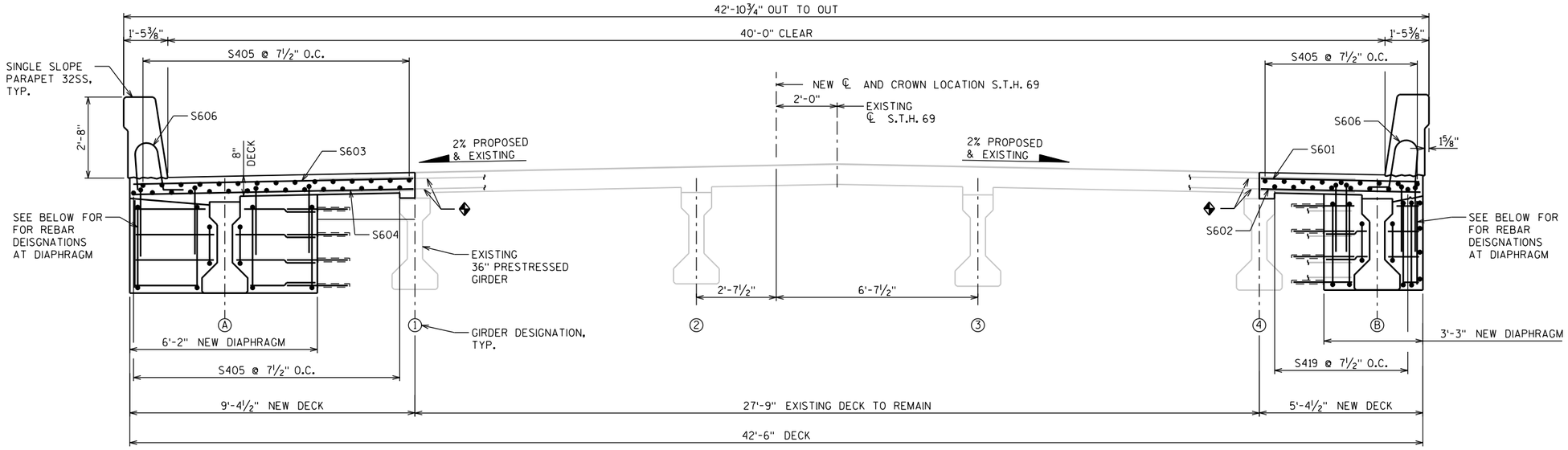
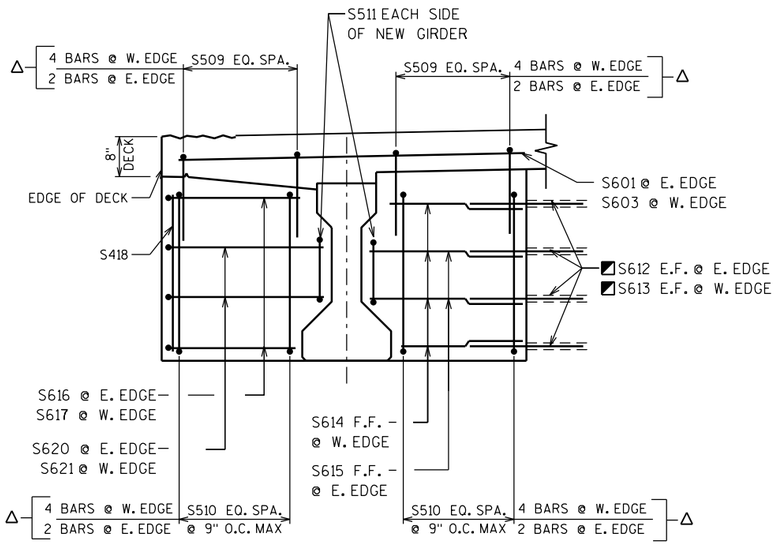


CROSS SECTION THRU B-13-365

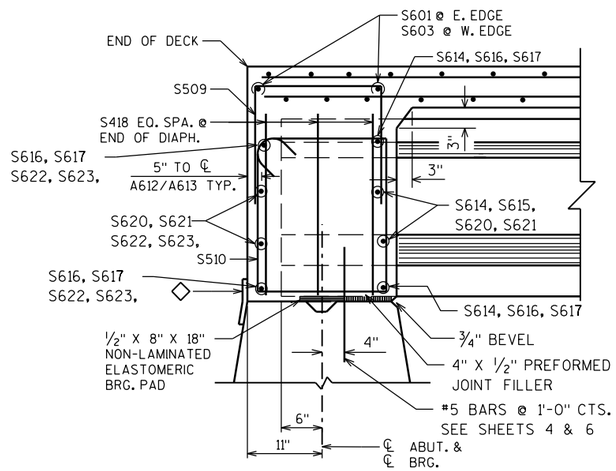
LOOKING NORTH

SECTION SHOWN PRIOR TO DECK GRINDING AND PLACEMENT OF CONCRETE OVERLAY

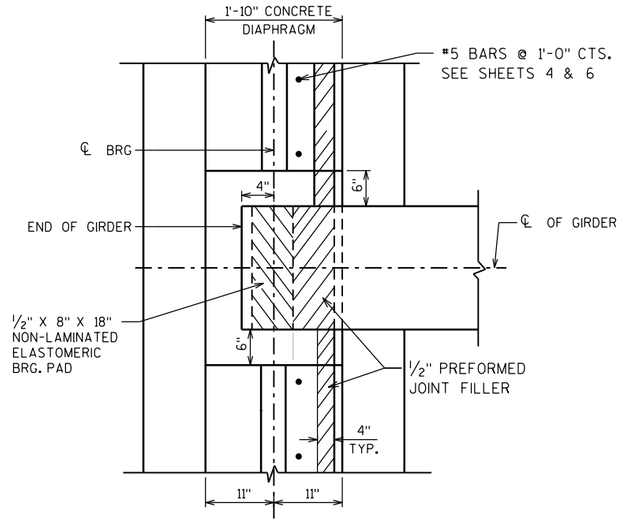


DIAPHRAGM END SECTION

TYPICAL DECK REINFORECMENT NOT SHOWN FOR CLARITY



DIAPHRAGM LONGITUDINAL SECTION



BEARING PAD DETAIL

LEGEND

- ◪ ADHESIVE ANCHORS #6 BAR. EMBED 6" IN CONCRETE. MINIMUM LAP LENGTH S612 = 10". MINIMUM LAP LENGTH S613 = 2'-0".
- △ REBAR COUNT SHOWN IS PER ABUTMENT
- ◇ 18" RUBBERIZED MEMBRANE WATERPRROF. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE.
- ◆ EXISTING TRANSVERSE #6 REINFORCING BARS TO BE PRESERVED AND INCORPORATED INTO NEW WORK. MINIMUM LAP LENGTH = 3'-0½"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-365

DRAWN BY WAR | PLANS CK'D. KGW

SUPERSTRUCTURE CROSS SECTION & DETAILS

SHEET 11 OF 14
502

FILE =
SCALE =

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X:±MD±2015±20155069±CAD±STRUCTURAL±DGN±00±B-13-365_DECK CROSS SECTION.DGN 6/30/2021 9:19:38 AM

STATE PROJECT NUMBER
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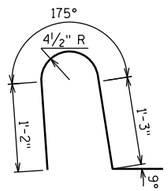
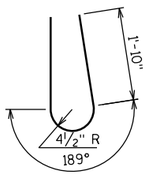


S506



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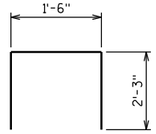

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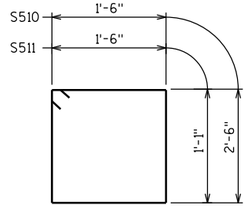
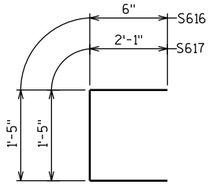
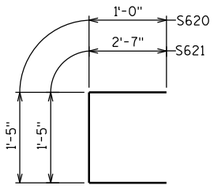


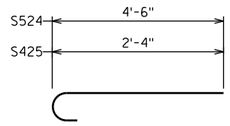
S510, S511



S616, S617



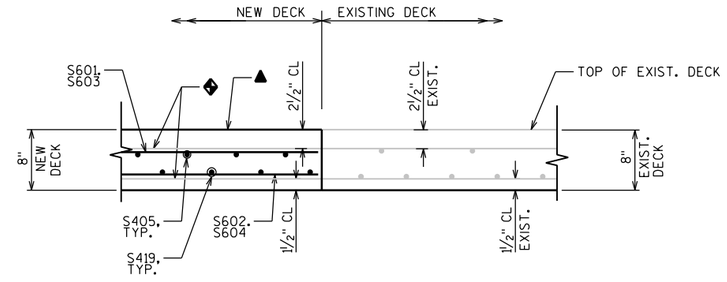
S620, S621



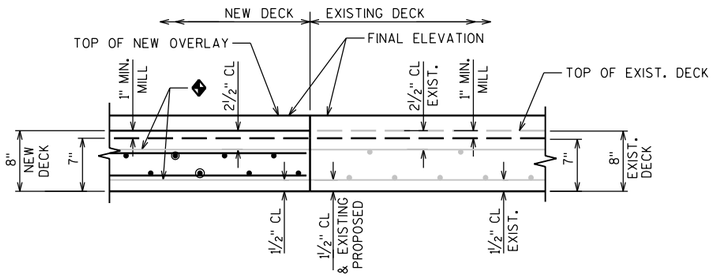
S524, S425

SUPERSTRUCTURE BILL OF BARS

MARK	COATED	NO. REQ'D	LENGTH	BAR SERIES	BENT	LOCATION
S601	X	86	5'-1"			DECK TRANS. TOP E. END
S602		82	5'-1"			DECK TRANS. BOTT. E. END
S603	X	86	9'-1"			DECK TRANS. TOP W. END
S604		82	9'-1"			DECK TRANS. BOTT. W. END
S405	X	50	27'-6"			DECK LONGIT. TOP
S506	X	164	4'-5"		X	PARAPET DOWEL
S507	X	24	27'-10"			PARAPET LONG.
S508	X	164	5'-0"			PARAPET VERT.
S509	X	24	5'-9"		X	DIAPHRAGM VERT. DOWEL
S510	X	24	8'-8"		X	DIAPHRAGM VERT. STIRRUP
S511	X	8	5'-10"		X	DIAPHRAGM VERT. STIRRUP @ GIRDER
S612	X	16	1'-4"			DIAPHRAGM HORZ. DOWEL E. END
S613	X	16	2'-6"			DIAPHRAGM HORIZ. DOWEL W. END
S614	X	8	2'-2"			DIAPHRAGM HORIZ. INTERIOR W. END F.F.
S615	X	4	1'-5"			DIAPHRAGM HORIZ. INTERIOR E. END F.F.
S616	X	4	2'-2"		X	DIAPHRAGM HORIZ. EXTERIOR E. END
S617	X	4	5'-4"		X	DIAPHRAGM HORIZ. EXTERIOR W. END
S418	X	12	3'-0"			DIAPHRAGM VERT. ENDS
S419		46	27'-6"			DECK LONGIT. BOTT.
S620	X	4	3'-2"		X	DIAPHRAGM HORIZ. EXTERIOR E. END
S621	X	4	6'-4"		X	DIAPHRAGM HORIZ. EXTERIOR W. END
S622	X	8	2'-11"			DIAPHRAGM HORIZ. E. END B.F.
S623	X	8	5'-10"			DIAPHRAGM HORIZ. W. END B.F.
S524	X	42	5'-1"		X	DECK TRANS. TOP W. END
S425	X	42	2'-10"		X	DECK TRANS. TOP E. END



SECTION D-D
PRIOR TO DECK MILLING & PLACEMENT
OF CONCRETE OVERLAY



SECTION F-F
AFTER DECK MILLING & PLACEMENT
OF CONCRETE OVERLAY

SEE SECTION D-D FOR REBAR DESIGNATIONS

▲TOP OF DECK ELEVATIONS

		C/L BRG	SPAN 1									C/L BRG
LOCATION		SOUTH ABUT.	0.1 SPAN	0.2 SPAN	0.3 SPAN	0.4 SPAN	0.5 SPAN	0.6 SPAN	0.7 SPAN	0.8 SPAN	0.9 SPAN	NORTH ABUT.
WEST DECK EDGE	T.O.D.	932.59	932.54	932.50	932.45	932.41	932.36	932.32	932.27	932.23	932.18	932.14
GIRDER A	T.O.D.	932.65	932.60	932.56	932.52	932.47	932.43	932.38	932.34	932.29	932.25	932.20
GIRDER 1	T.O.D.	932.77	932.73	932.69	932.64	932.60	932.55	932.51	932.46	932.42	932.37	932.33
GIRDER 4	T.O.D.	932.78	932.73	932.69	932.64	932.60	932.55	932.51	932.46	932.42	932.37	932.33
GIRDER B	T.O.D.	932.70	932.66	932.61	932.57	932.52	932.48	932.43	932.39	932.34	932.30	932.25
EAST DECK EDGE	T.O.D.	932.67	932.63	932.58	932.54	932.49	932.45	932.40	932.36	932.31	932.27	932.22

LEGEND

◆ EXISTING TRANSVERSE #6 REINFORCING BARS TO BE PRESERVED AND INCORPORATED INTO NEW WORK. MINIMUM LAP LENGTH = 3'-0½"

▲ ELEVATIONS ARE THEORETICAL TOP OF 8" DECK BEFORE MILLING OR PLACEMENT OF CONCRETE OVERLAY. ELEVATIONS SHOWN ASSUME MINIMUM MILLING (1") & MINMIMUM OVERLAY THICKNESS (1½" AT EAST & 2½" AT WEST) TO ACHIEVE FINAL GRADE ELEVATION.

◪ ADHESIVE ANCHORS #6 BAR. EMBED 6" IN CONCRETE

❁ ESTIMATED HAUNCH HEIGHT AT GIRDERS A & B ARE LESS THAN 1¼". PROVIDE ALTERNATE HAUNCH FORMING METHOD.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-365

DRAWN BY WAR | PLANS CK'D. KGW

TOP OF DECK ELEVATIONS

SHEET 12 OF 14
503

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FILE =
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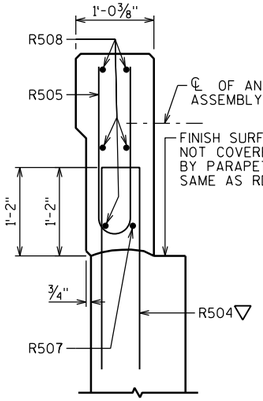
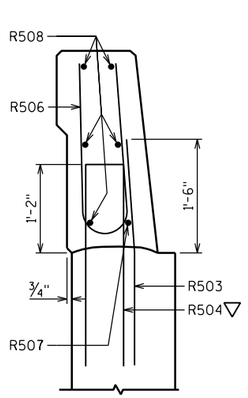
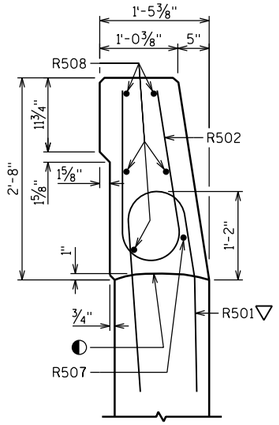


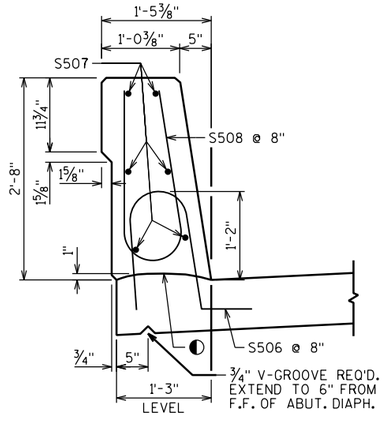
SECTION A-A



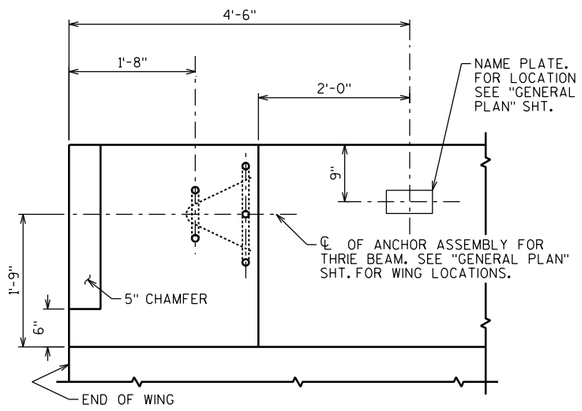
SECTION B-B



SECTION C-C



SECTION THRU PARAPET ON DECK



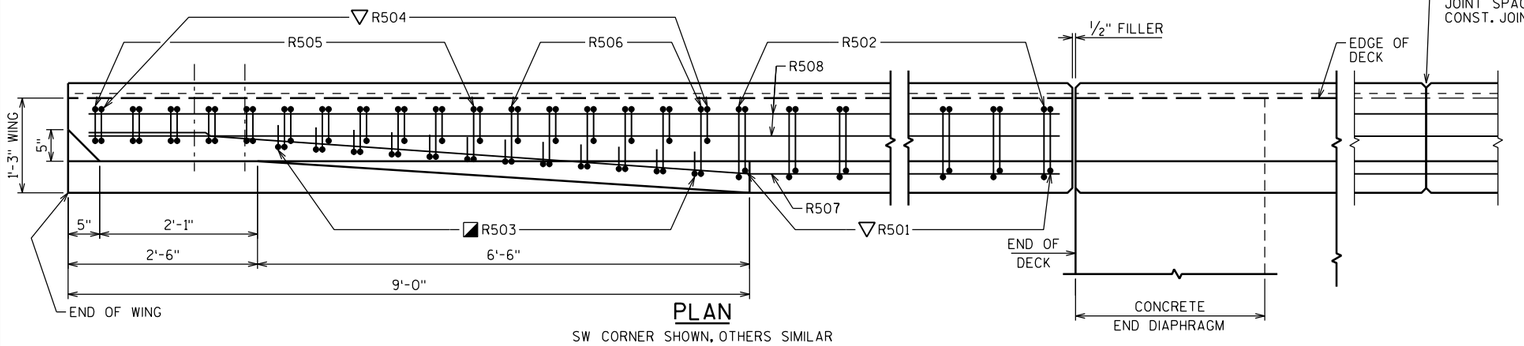
PARAPET END TREATMENT DETAIL

LOOKING AT INSIDE FACE OF PARAPET

BILL OF BARS

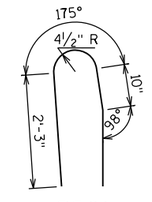
FOR ABUTMENT PARAPETS

BAR MARK	COAT	S. ABUT.	N. ABUT.	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	18	18	5'-10"	X		PARAPET VERT.
R502	X	18	18	5'-0"	X		PARAPET VERT.
R503	X	24	24	3'-0"	X		PARAPET VERT.
R504	X	34	34	5'-7"	X		PARAPET VERT.
R505	X	22	22	4'-9"	X		PARAPET VERT.
R506	X	12	12	4'-10"	X		PARAPET VERT.
R507	X	2	2	13'-7"	X		PARAPET HORIZ.
R508	X	10	10	13'-7"			PARAPET HORIZ.



PLAN

SW CORNER SHOWN, OTHERS SIMILAR



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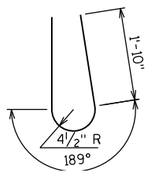

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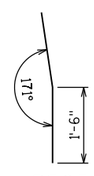

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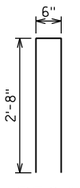

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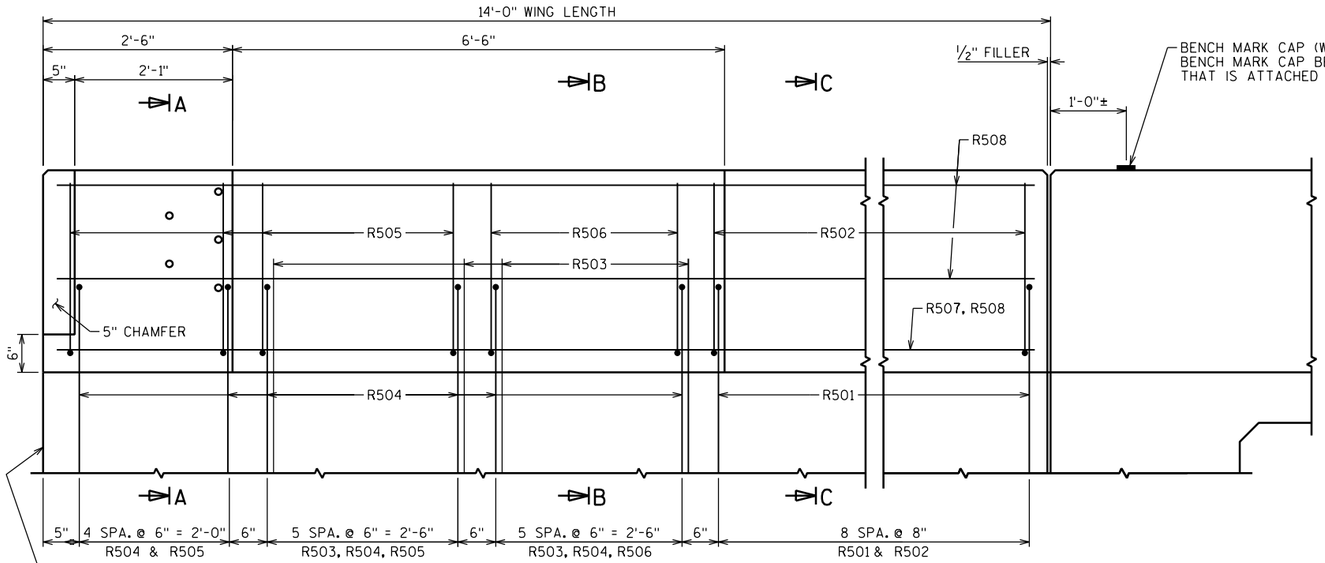
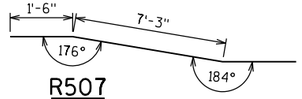


INSIDE ELEVATION

SW CORNER SHOWN, OTHERS SIMILAR



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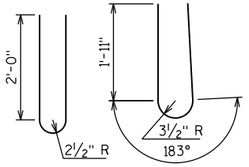
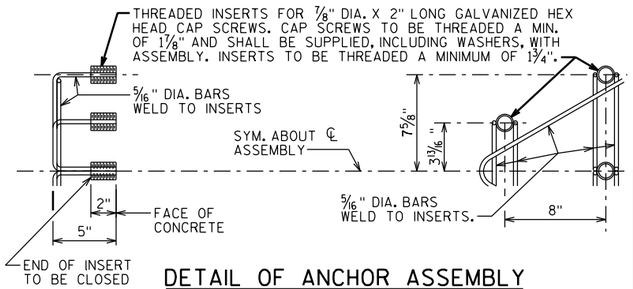


R505 R506

◐ CONST. JOINT - STRIKE OFF AS SHOWN

◪ R503 BARS MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. USE CARE TO PLACE R503 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

▽ R501 AND R504 BARS TO BE TIED TO WING STEEL BEFORE WING IS POURED.



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-365

DRAWN BY WAR | PLANS CK'D. KGW

SINGLE SLOPE PARAPET 32SS

SHEET 13 OF 14

504

FILE =

SCALE =

8

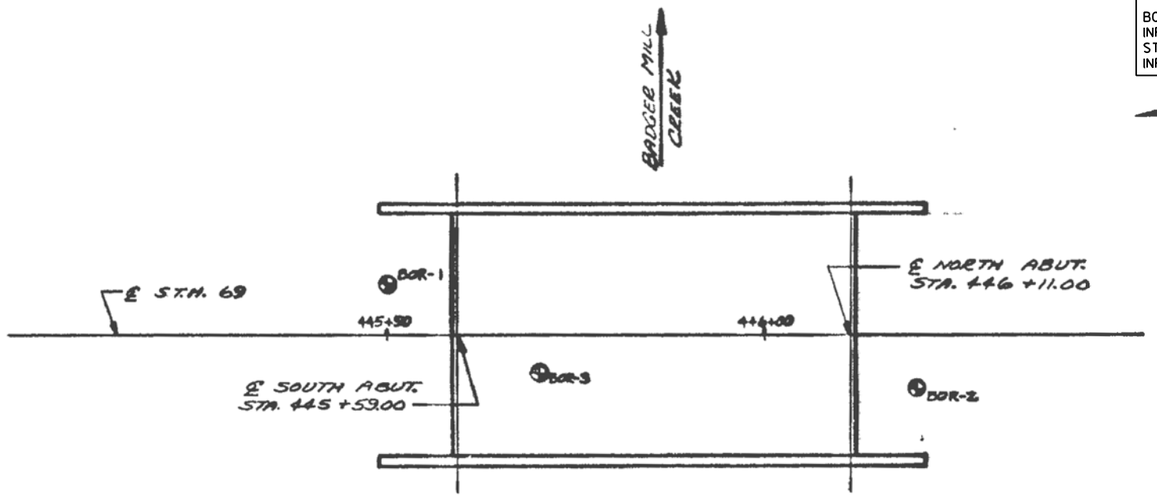
8

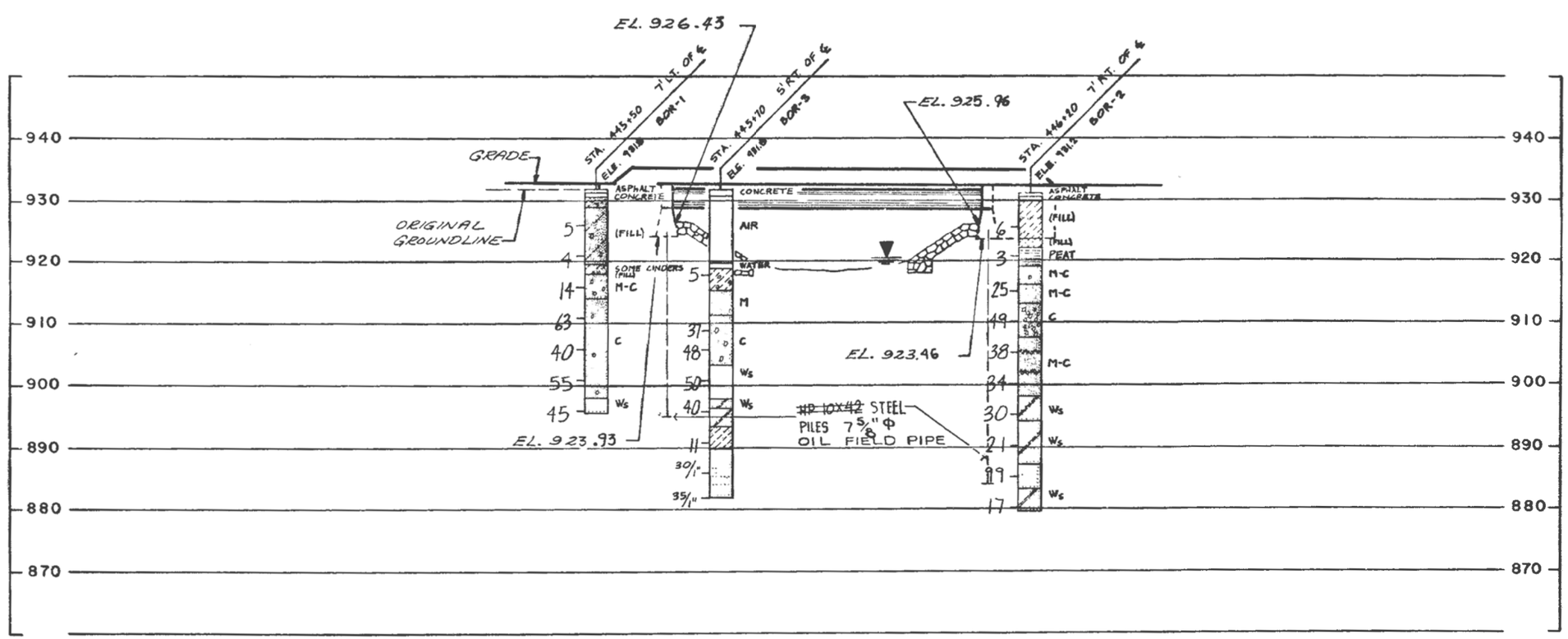
SOIL BORINGS PERFORMED BY:

BORING NUMBERS, BORING LOG & LOCATION, ELVATION INFORMATION IS FROM THE ORIGINAL EXISTING STRUCTURE PLANS DATED 7-27-1988 AND FOR INFORMATION USE ONLY.

STATE PROJECT NUMBER

1693-05-72





ABBREVIATIONS

F — Fine M — Medium C — Coarse
Ws — Weathered So — Sound

MATERIAL SYMBOLS

Topsoil, Silt, Sandstone, Sand, Peat, Limestone, Gravel, Clay, Igneous Rock

LEGEND OF PROBING

95/6=95 Blows for 6" Penetration
Probing taken with a 350# wt. Falling 18" on a 2" O. D. Point.

Probing No.
Sta.
Elevation
7 Average Blows Per Foot
Refusal 95/6

LEGEND OF BORING

Boring No.
Sta.
Elev.
Unconfined Strength — 7 7 7
Blows Per Ft. Using 140# Wt. Falling 30"
Wash Sample
Shelby Tube — S. T.
Ground Water Elevation
No Ground Water Observed Above This Elevation
Sandy Gravel
F
Boulders or Cobbles
Sand
Silty Clay
So Limestone

Unless otherwise specified, the blows per foot at the locations indicated are based on driving a 2" O. D. x 1.4" I. D. split spoon sampler with a 140# hammer having a free fall of 30". The blow count is taken in undisturbed soil immediately below a cased or open hole eliminating side friction on the drive pipe.

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

To obtain relative data concerning the character of material in and upon which the foundation might be built, borings and/or soundings were made at points approximately as indicated on this drawing. The data presented herein represents the findings of the subsurface explorations made. However, because the depths investigated are limited and the area of the borings and/or soundings is very small in relation to the entire area, the Division of Highways does not warrant conditions below the depths investigated or that the classification of material encountered in these investigations is necessarily typical of the entire site.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-365

DRAWN BY WAR | PLANS CK'D. KGW

SUBSURFACE EXPLORATION

SHEET 14 OF 14
505

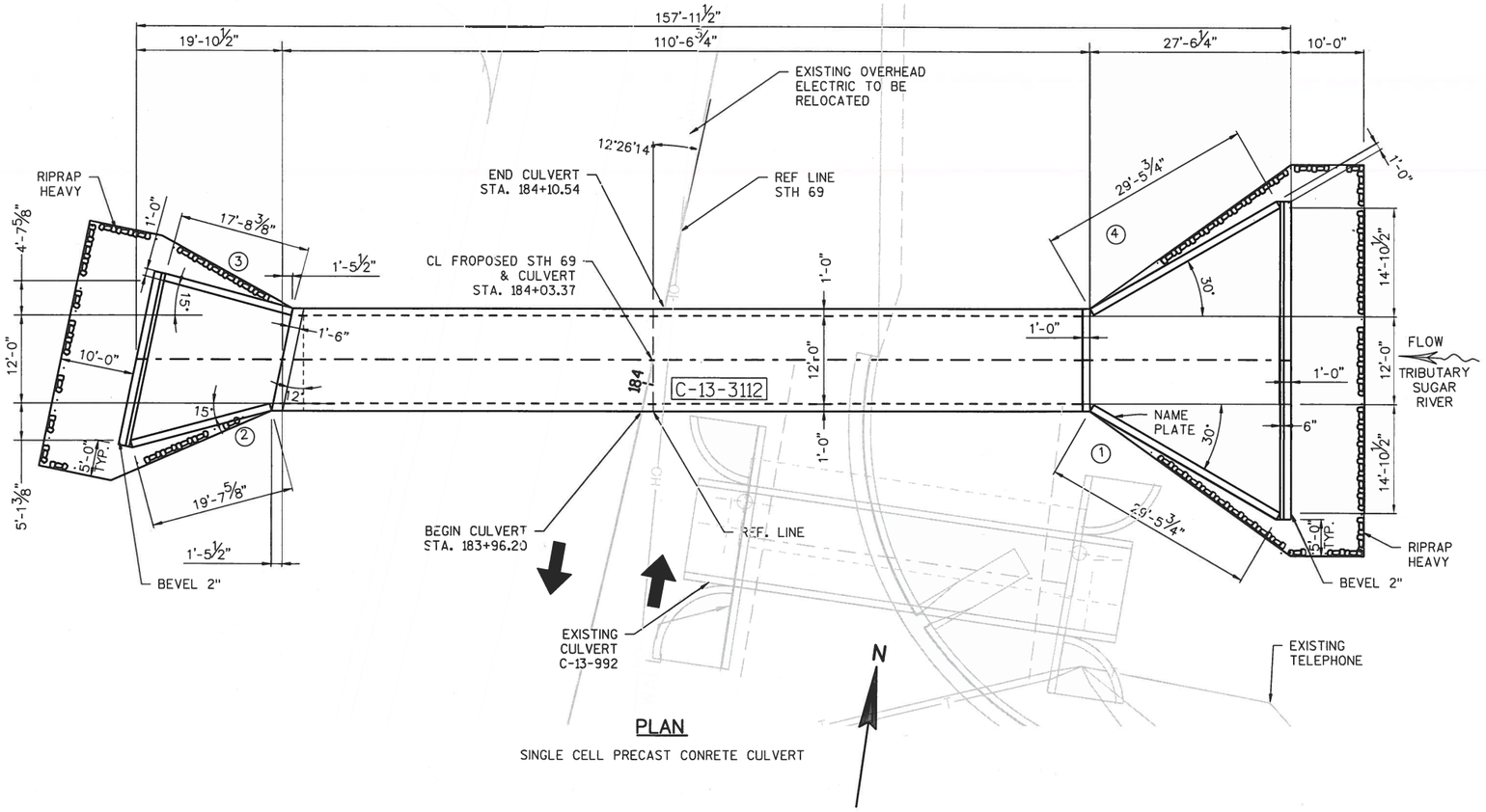
FILE=
SCALE =

8

8

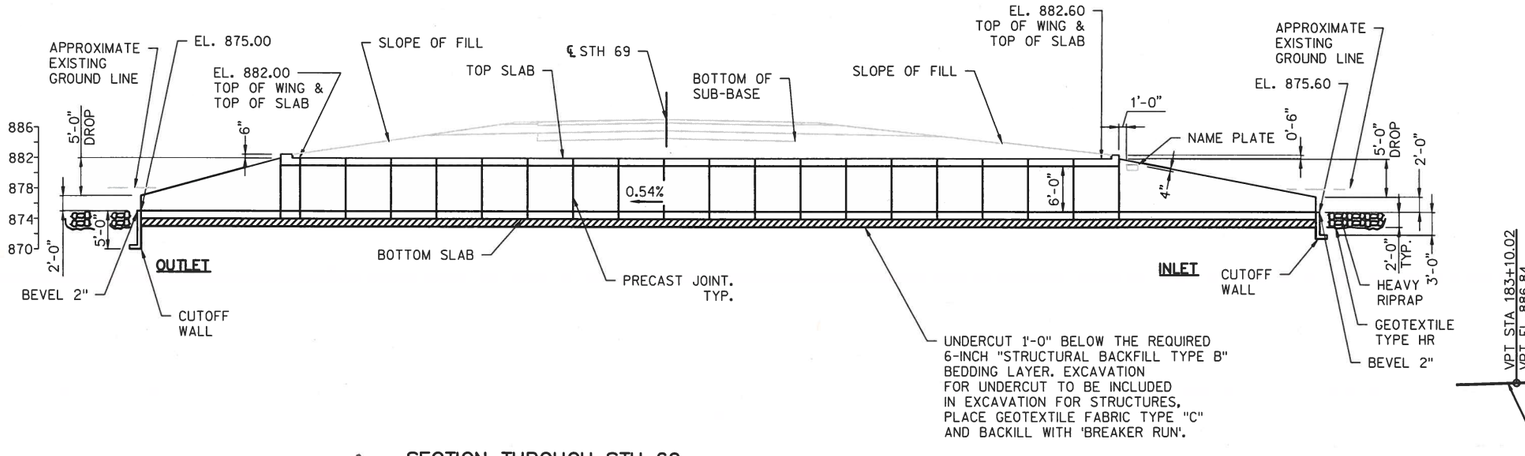
X:±MD±2015±20155069±CAD±STRUCTURAL±DGN±00±B-13-365_SUBSURFACE EXPLORATION.DGN 6/30/2021 9:19:41 AM

KEY:
Ⓧ = WING NUMBER



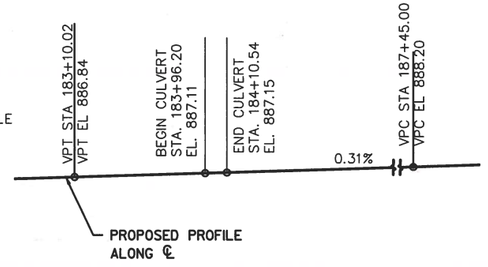
PLAN

SINGLE CELL PRECAST CONRETE CULVERT



SECTION THROUGH STH 69

LOOKING NORTH



PROFILE

GENERAL NOTES:

DRAWINGS SHALL NOT BE SCALED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS C-13-3112" SHALL BE THE EXISTING GROUND LINE.

EXISTING STRUCTURE C-13-992 IS A SINGLE BARREL CAST-IN PLACE BOX CULVERT WITH AN OPENING WIDTH OF 12'-0", A HEIGHT OF 6'-0", AND A BARREL LENGTH OF 42'-2". THE STRUCTURE IS TO BE REMOVED ENTIRELY.

ALL PRECAST BOX SECTIONS SHALL BE PLACED ON A BEDDING OF "STRUCTURE BACKFILL TYPE B" OF 6" MINIMUM DEPTH.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

WITHIN THE LENGTH OF THE BOX ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TO THE ELEVATION AND SECTION EXISTING PRIOR TO EXCAVATION WITHIN THE LENGTH OF THE CULVERT

STATE PROJECT NUMBER

1693-05-72

FOUNDATION DATA:

SOIL BEARING PRESSURE = 3,000 psf

DESIGN DATA:

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.05
OPERATING RATING: RF=1.35
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV)=255 KIPS

HYDRAULIC DATA:

100 YEAR FREQUENCY

DRAINAGE AREA:	0.32 SQ. MI.
Q_{100}:	68 CFS
VELOCITY:	0.94 FT/SEC
WATERWAY AREA:	72 SF
HIGH $WATER_{100}$ ELEVATION:	881.72 FT
REGULATORY HIGH $WATER_{100}$ ELEVATION:	881.72 FT
SCOUR CRITICAL CODE:	8
ROADWAY OVERTOPPING:	N/A

2 YEAR FREQUENCY

Q :	19 CFS
VELOCITY:	0.26 FT/SEC
HIGH $WATER_2$ ELEVATION:	881.70 FT

EARTH LOAD

DESIGNED FOR FILL HEIGHT RANGE OF 4 TO 6 FEET

MATERIAL PROPERTIES

CONCRETE MASONRY: f'c = 3,500 P.S.I.
BAR STEEL REINFORCEMENT: fy = 60,000 P.S.I.

TRAFFIC DATA

ADT=6,800 (2019)
ADT=8,300 (2039)
RDS=60 MPH

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. PRECAST CONCRETE BOX CULVERT BARREL DETAILS
3. PRECAST WINGS, HEADERS, AND CUTOFF WALLS
4. APRON REINFORCING PLAN
5. SUBSURFACE EXPLORATION

NO.	DATE	REVISION	BY

GRÄEF
275 W. Wisconsin Avenue
Suite 300
Milwaukee, WI 53203
414 / 259 1500
414 / 259 0037 fax
www.graef-usa.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED SDR 08/16/21
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE C-13-3112

STH 69 OVER TRIBUTARY SUGAR RIVER

COUNTY	TOWN ~~CONTY/VILLAGE~~
DANE	MONTROSE

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
WAR	KGW	WAR	KGW

GENERAL PLAN & ELEVATION

SHEET 1 OF 5

506

8

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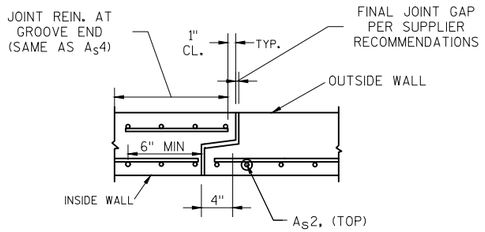
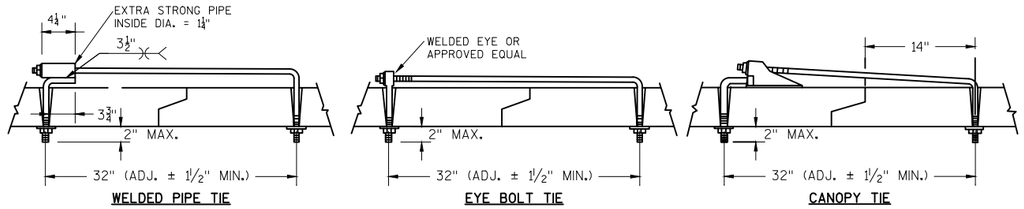
STATE PROJECT NUMBER

1693-05-72

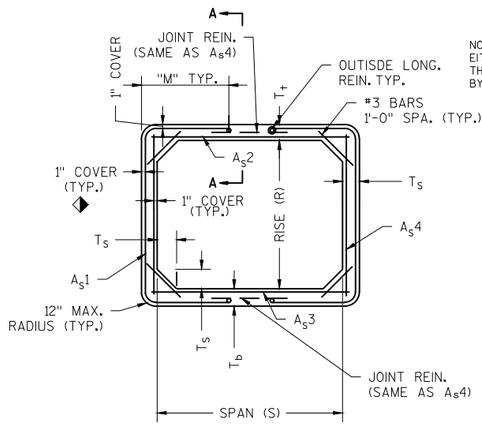


SECTION A-A

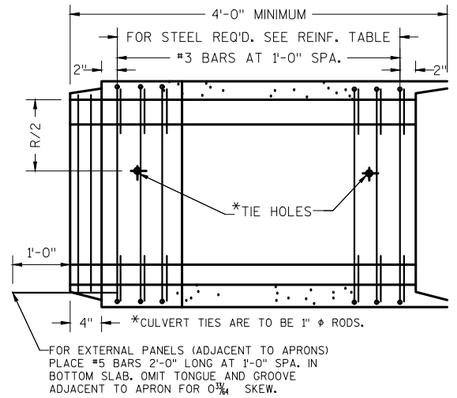


JOINT TIES

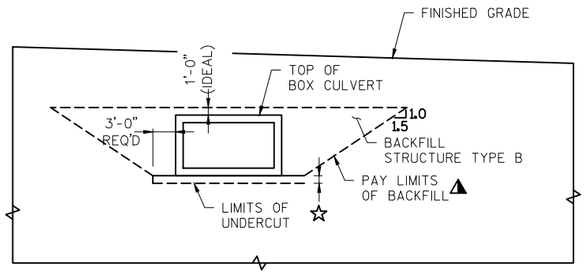
NOTES:
EITHER EYE BOLT TIES, WELDED PIPE TIES, OR CANOPY TIES MAY BE USED. THREADS MAY BE CUT OR ROLLED. TIE NUTS SHALL BE TIGHTENED AS DIRECTED BY THE ENGINEER. (2 TIES REQ'D. PER JOINT.) (TIES TO BE GALVANIZED.)



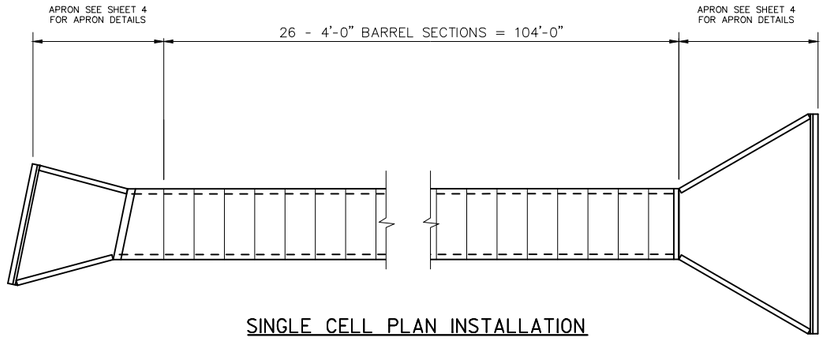
SECTION THRU BARREL



LONGITUDINAL SECTION



TYPICAL SECTION THRU BOX CULVERT



SINGLE CELL PLAN INSTALLATION

NOTES

DETAILS FOR MATERIALS, FABRICATION, CONSTRUCTION AND DESIGN OF PRECAST BOX CULVERTS NOT SHOWN OR STATED ON THIS DRAWING SHALL BE IN ACCORDANCE WITH THE CURRENT ASTM SPECIFICATION, C1577; AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS; WISCONSIN DOT BRIDGE MANUAL; WISCONSIN DOT STANDARD SPECIFICATIONS & APPLICABLE SPECIAL PROVISIONS, EXCEPT THAT THE CONCRETE MIXTURE SHALL CONTAIN NOT LESS THAN 565 LBS. OF CEMENTITIOUS MATERIALS PER CUBIC YARD.

THE DESIGN OF PRECAST BOX CULVERTS WITH ALL FILL HEIGHTS SHALL BE AS STATED IN ASTM C1577.

ALL PRECAST BOX SECTIONS SHALL BE PLACED ON A BEDDING OF "STRUCTURE BACKFILL TYPE B" OF 6" MINIMUM DEPTH.

THE COVER OF CONCRETE OVER THE REINFORCEMENT SHALL BE 1 INCH OR 2 INCHES AS SHOWN WITH AN ALLOWABLE VARIATION OF -⅜ TO +½ INCH.

THE SPACING CTR. TO CTR. OF THE CIRCUMFERENTIAL WIRES SHALL NOT BE LESS THAN 2 INCHES NOR MORE THAN 4 INCHES. THE SPACING CTR. TO CTR. OF THE LONGIT. WIRES SHALL NOT BE MORE THAN 8 INCHES. PROVIDE 0.03 SQ. IN./FT MINIMUM LONG. REINFORCEMENT AT EACH FACE IN SLABS AND WALLS

NOT MORE THAN FOUR (4) HOLES MAY BE CAST, DRILLED OR OTHERWISE NEATLY MADE IN THE SHELL OF EACH PIECE OF BOX SECTION FOR HANDLING. THE HOLES SHALL BE TAPERED UNLESS DRILLED. HOLES SHALL BE FILLED WITH PORTLAND CEMENT MORTAR EXCEPT TAPERED HOLES MAY BE FILLED WITH CONCRETE PLUGS SECURED WITH PORTLAND CEMENT MORTAR OR OTHER APPROVED ADHESIVE.

THE JOINT ON THE BOTTOM OF THE CULVERT & THE SIDES OF THE CULVERT FROM THE BOTTOM TO A POINT 1'-0" FROM THE CEILING SHALL BE SEALED WITH A PREFORMED MASTIC. PREFORMED MASTIC MUST CONFORM TO AASHTO MATERIALS SPEC. M198, TYPE B. A 2'-0" STRIP OF GEOTEXTILE TYPE DF SCHEDULE A SHALL BE PLACED OVER THE JOINTS ON THE TOP AND ON THE SIDES OF THE CULVERT. THE GEOTEXTILE FABRIC SHALL CONFORM TO SECTION 645.2.2.4, OF THE STANDARD SPECIFICATION. (FABRIC NOT REQUIRED OVER INSIDE WALL JOINTS OF MULTICELL INSTALLATION.)

SHOP DRAWINGS SHALL PRIVDE "BOX CULVERT BARREL DATA" WITH REQUIRED AND ACTUAL REINFORCEMENT AREAS.

MATERIAL PROPERTIES:
PRECAST CONCRETE ———— f'c = 5,000 P.S.I
BAR STEEL REINFORCEMENT—— fy = 60,000 P.S.I
STEEL REINFORCEMENT (WIRE) — fy = 65,000 P.S.I

LEGEND

☆ IN LIEU OF USING BREAKER RUN FOR THE BOX CONSTRUCTION PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COURSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL. THE REGION GEOTECHNICAL ENGINEER MAY BE CONTACTED TO DETERMINE IF "OTHER GRANULAR MATERIAL" IS ACCEPTABLE.

▲ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

◆ 1" OR 3X WIRE DIAMETER, WHICHEVER IS GREATER

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEM	UNIT	TOTAL
203.0220.01	REMOVING STRUCTURE C-13-992	EACH	1
206.2000.01	EXCAVATION FOR STRUCTURES CULVERTS C-13-3112	LS	1
210.2500	BACKFILL STRUCTURE TYPE B	TON	1771
311.0110	BREAKER RUN	TON	123
504.0100	CONCRETE MASONRY CULVERTS	CY	46
504.1001.S.01	PRECAST CONCRETE WINGWALLS C-13-3112	EACH	4
504.2000.S.01	PRECAST CONCRETE BOX CULVERT 12 FEET X 6 FEET	LF	111
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	1590
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	4
606.0300	RIPRAP HEAVY	TON	87
645.0105	GEOTEXTILE, TYPE C	SY	368
645.0111	GEOTEXTILE, TYPE DF SCHEDULE A	SY	174
645.0120	GEOTEXTILE TYPE HR	SY	216

ALL ITEMS CATEGORY 0030

DIMENSIONS						REINFORCEMENT (IN^2/FT)															
FILL HEIGHT (FT)	R (FT)	S (FT)	T_T (IN)	T_B (IN)	T_S (IN)	A_S1			A_S2		A_S3		A_S4		A_S5		A_S6		** A_S7		** A_S8	
						REQ'D	ACT.	M (IN)	REQ'D	ACT.	REQ'D	ACT.	REQ'D	ACT.	REQ'D	ACT.	REQ'D	ACT.	REQ'D	ACT.	REQ'D	ACT.
6	6	12	12	12	12	0.38	–	59	0.41	–	0.42	–	0.29	–	–	–	–	–	0.50	–	0.34	–

** SEE SECTION D-D AND OUTLET APRON PLAN SHEET 3 FOR LOCATION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-13-3112

DRAWN BY JS | PLANS CK'D. KGW

PRECAST CONCRETE BOX CULVERT BARREL DETAILS

SHEET 2 OF 5

507

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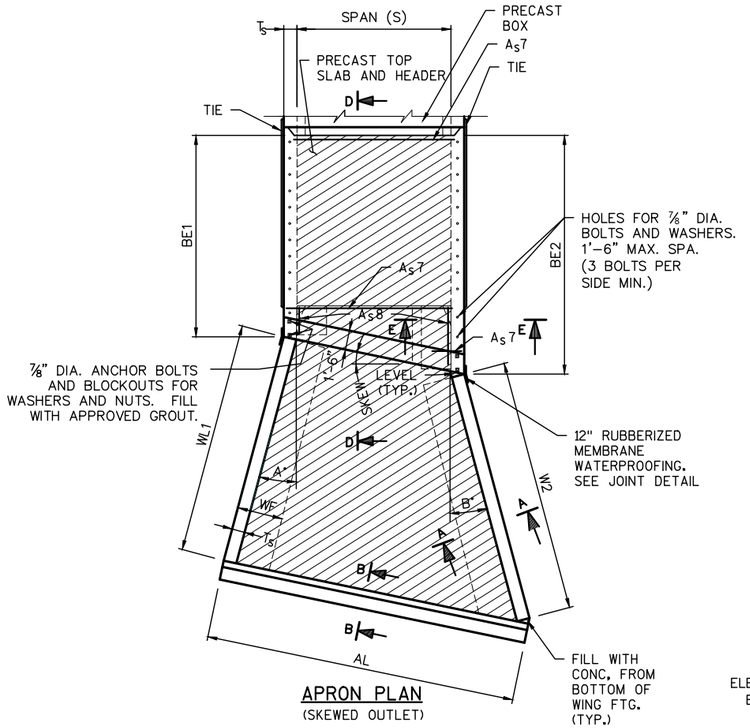
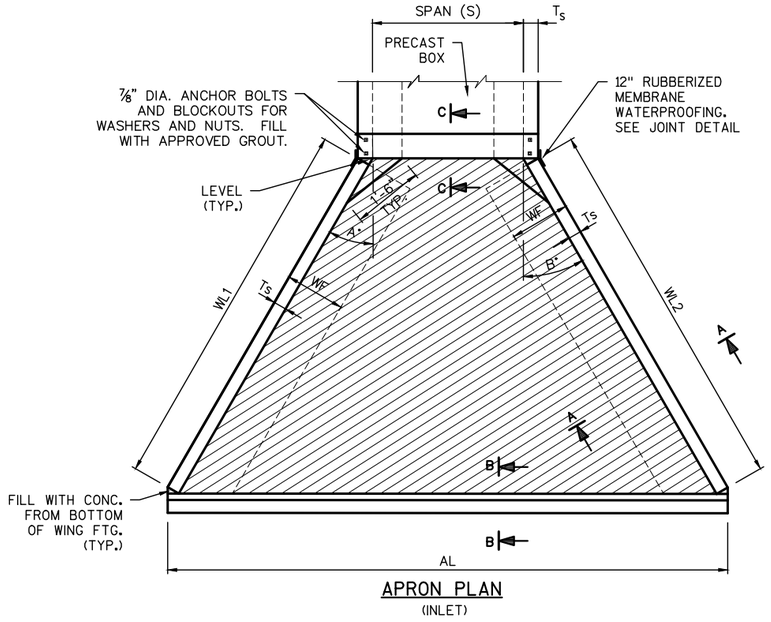
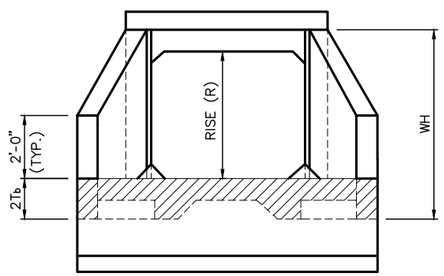


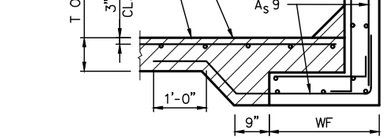
APRON PLAN
(SKEWED OUTLET)



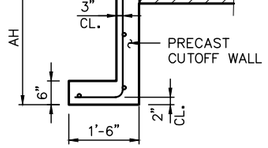
APRON PLAN
(INLET)



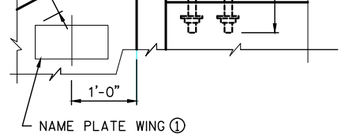
END VIEW



SECTION A-A

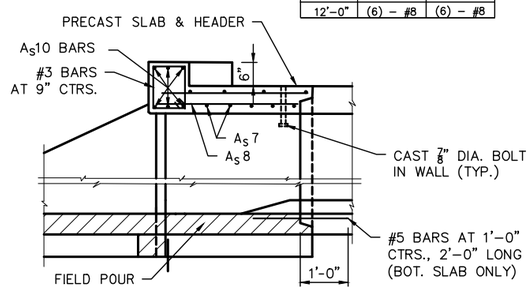


SECTION B-B



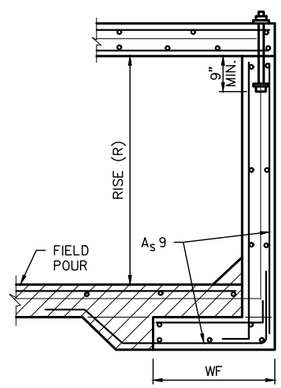
SECTION C-C

SPAN (S)	A_S10 BARS SKEW 0°	A_S10 BARS SKEW 12°
12'-0"	(6) – #8	(6) – #8



SECTION D-D

SPAN (S)	A_S10 BARS SKEW 0°	A_S10 BARS SKEW 12°
12'-0"	(6) – #8	(6) – #8



SECTION E-E

RISE (R)	A_S9 IN.²/FT	WF
6'-0"	0.2400	3'-6"

BOX CULVERT APRON DATA

	R (FT.)	S (FT.)	T OR T_S(IN)	SKEW	ANGLE A	ANGLE B	WL 1	WL 2	AL	AH	WH	BE1	BE2
INLET	6.0	12.0	12.0	0.0°	30.0°	30.0°	29.48'	29.48'	43.47'	3.0'	9.0'	–	–
OUTLET	6.0	12.0	12.0	12.0°	15.0°	15.0°	17.70'	19.64'	24.12'	5.0'	9.0'	4.74'	7.72'

NOTES

CONCRETE COVER ON ALL REINFORCEMENT IN THE PRECAST ELEMENTS SHALL BE 2" UNLESS SHOWN OR NOTED OTHERWISE.

STEEL REINFORCEMENT MAY BE EITHER GRADE 60 DEFORMED BARS (FY = 60,000 P.S.I.) OR WELDED DEFORMED – WIRE FABRIC OF EQUIVALENT AREA, (FY = 65,000 P.S.I.)

THE MINIMUM CONCRETE STRENGTH OF THE FIELD POURED CONCRETE SHALL BE 3,500 P.S.I.

ALTERNATE DETAILS OF EQUAL STRENGTH AND HYDRAULIC CAPACITY TO THE DETAILS SHOWN ON THIS SHEET MAY BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

THE MINIMUM CONCRETE STRENGTH OF THE CONCRETE IN THE PRECAST APRON ELEMENTS SHALL BE 4,000 P.S.I.

THE PRECAST ELEMENTS SHALL BE PROVIDED WITH SUITABLE LIFTING DEVICES FOR HANDLING AND PLACEMENT OF THE ELEMENTS.

VERTICAL CONSTRUCTION JOINTS THRU THE WALLS AND FOOTING WILL BE ALLOWED ONLY WITH THE APPROVAL OF THE ENGINEER. DETAILS MUST BE SHOWN ON THE SHOP DRAWINGS FOR APPROVAL.

THE AREA OF REINFORCING STEEL NOT IDENTIFIED IN SECTIONS SHALL CONFORM TO THE FOLLOWING TEMPERATURE AND SHRINKAGE REQUIREMENTS.

THICKNESS	T&S REINF.
≤ 12"	#4@18"
> 12"-18"	#4@12"

THE MAXIMUM BAR SIZE OF GRADE 60 DEFORMED BARS, OTHER THAN THE A_S10 BARS, SHALL BE #5.

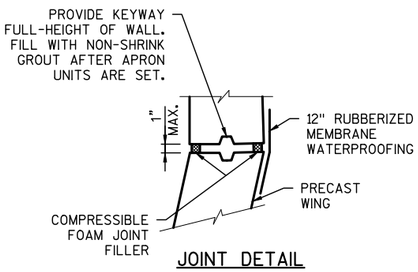
THE ⅞" ϕ ANCHOR BOLTS SHALL BE GALVANIZED AND CONFORM TO THE REQUIREMENTS OF A.S.T.M. A575.

ALL EXPOSED CORNERS SHALL BE BEVELED ¾" ON THE SIDES OR TOOL EDGED WITH A ½" MINIMUM RADIUS EDGER.

PRECAST CUT OFF WALLS MAY BE FIELD SPLICED BY EXTENDING THE REINFORCING STEEL FROM BOTH SEGMENTS TO BE SPLICED 1'-6" INTO THE SPLICE ZONE, LAPPING THE STEEL ± 1'-6" AND FIELD POURING A SECTION OF CUT OFF WALL 1'-6" LONG.

PRECAST ELEMENTS MAY BE POURED IN PLACE AT THE OPTION OF THE CONTRACTOR.

APRON SHALL BE POURED AND CURED PRIOR TO BACKFILLING WINGWALLS.



JOINT DETAIL

JOINT DETAIL EXAMPLES SHOWN. PRECAST SUPPLIER TO SUBMIT JOINT DETAIL FOR ACCEPTANCE.

STATE PROJECT NUMBER

1693-05-72

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-13-3112

DRAWN BY SK | PLANS CK'D. KGW

PRECAST WINGS, HEADERS, AND CUTOFF WALLS

SHEET 3 OF 5

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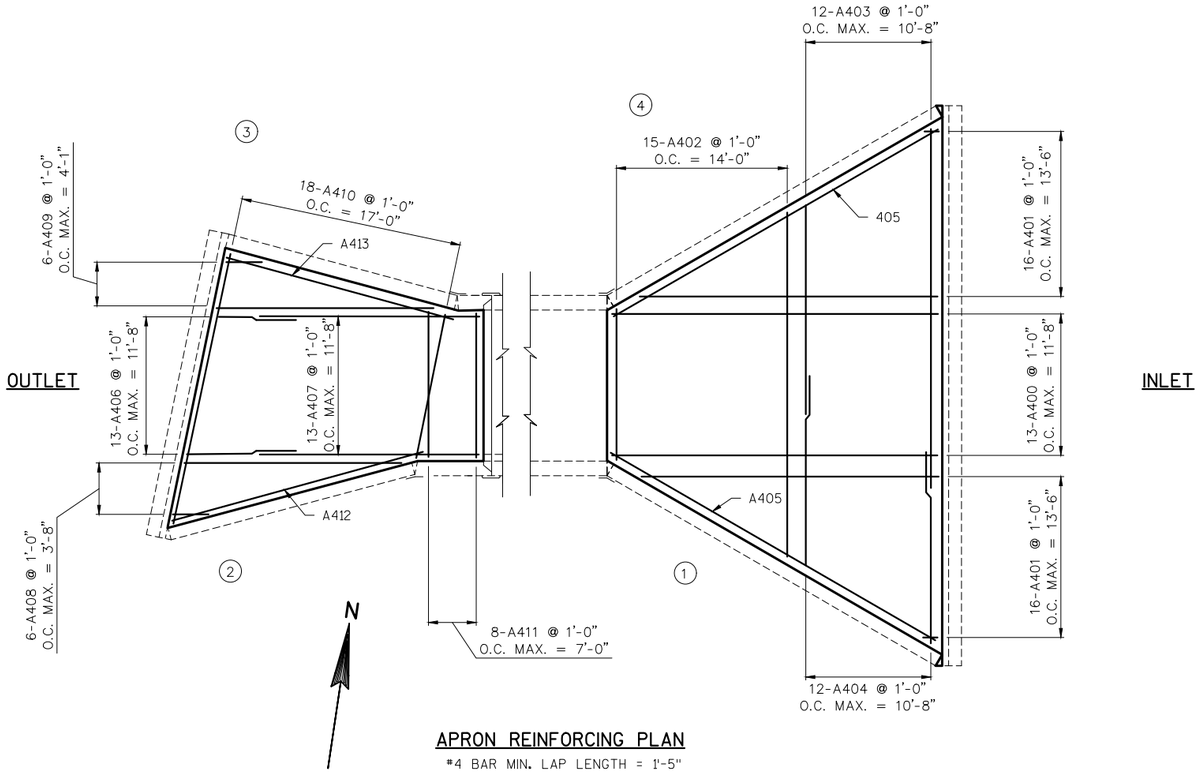
STATE PROJECT NUMBER

1693-05-72



APRON REINFORCING PLAN

*4 BAR MIN. LAP LENGTH = 1'-5"

MARK	COATED	NO. REQ'D	LENGTH	*BAR SERIES	BENT	LOCATION
A400		13	25'-8"			INLET LONGITUDINAL
A401		32	12'-7"	X		INLET LONGITUDINAL AT WINGS
A402		15	17'-1"	X		INLET TRANSVERSE
A403		12	27'-6"	X		INLET TRANSVERSE
A404		12	10'-0"			INLET TRANSVERSE
A405		2	29'-2"			INLET AT WING F.F.
A406		13	16'-5"	X		OUTLET LONGITUDINAL
A407		13	10'-0"			OUTLET LONGITUDINAL
A408		6	8'-8"	X		OUTLET LONGITUDINAL AT WING 2
A409		6	7'-10"	X		OUTLET LONGITUDINAL AT WING 3
A410		18	16'-11"	X		OUTLET TRANSVERSE
A411		8	11'-8"			OUTLET TRANSVERSE
A412		1	19'-4"			OUTLET AT WING 2 F.F.
A413		1	17'-4"			OUTLET AT WING 3 F.F.

*LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR LENGTH CALCULATIONS. SEE BAR SERIES FOR ACTUAL LENGTHS.

BAR SERIES TABLE		
MARK	NO REQ'D	LENGTH
A401	2 SERIES OF 16	0'-11" TO 24'-3"
A402	1 SERIES OF 15	11'-8" TO 22'-6"
A403	1 SERIES OF 12	21'-10" TO 33'-2"
A406	1 SERIES OF 13	15'-0" TO 17'-10"
A408	1 SERIES OF 6	1'-0" TO 15'-0"
A409	1 SERIES OF 6	1'-0" TO 14'-8"
A410	1 SERIES OF 18	11'-11" to 21'-11"

BUNDLE AND TAG EACH SERIES SEPARATELY

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-13-3112

DRAWN BY JS | PLANS CK'D. KGW

APRON REINFORCING PLAN

SHEET 4 OF 5

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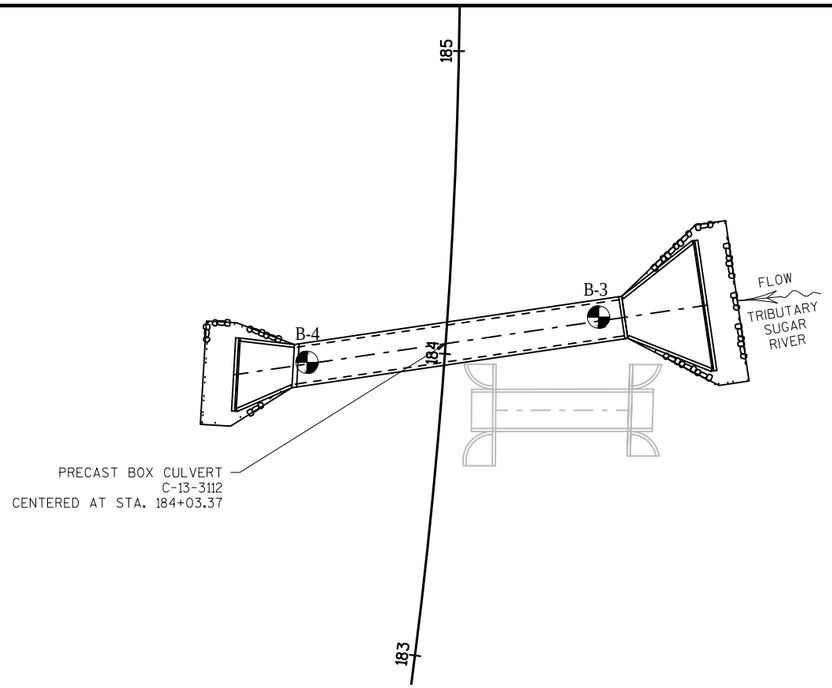
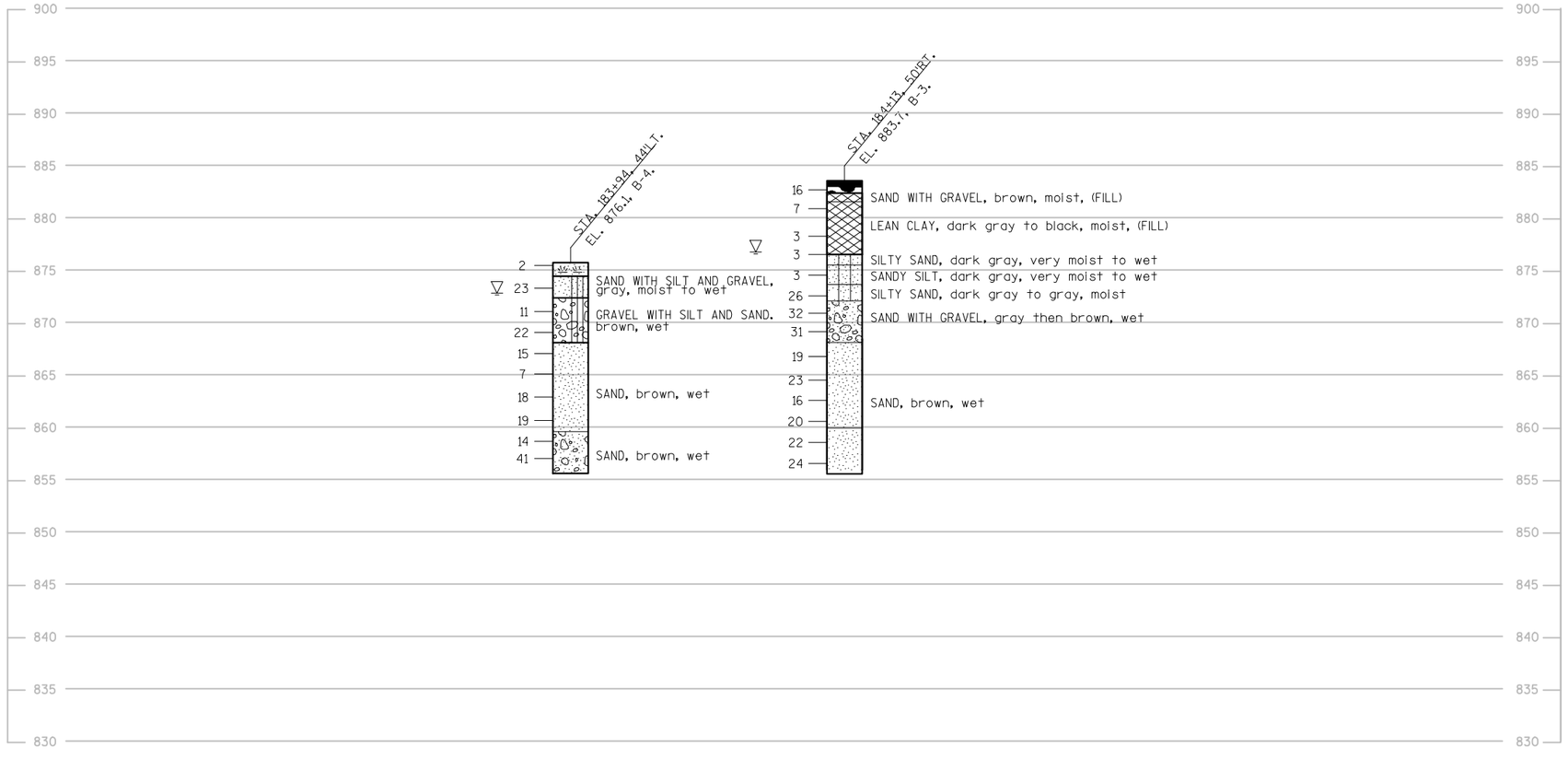


SOIL EXPLORATION PERFORMED BY:
GESTRA ENGINEERING INC.
191 W. EDGERTON AVENUE
MILWAUKEE, WI 53207
(414)933-7444

BORING #	DATE COMPLETED	LATITUDE	LONGITUDE
B-3	7-19-17	42.90391	-89.51577
B-4	7-19-17	42.90388	-89.51611
BORINGS COMPLETED BY: M. PANFIL			
REPORT COMPLETED BY: GESTRA			
ALL COORDINATES OBTAINED USING A GPS UNIT			



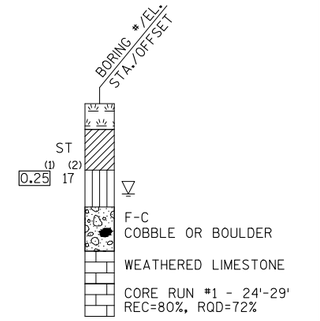
STATE PROJECT NUMBER

1693-05-72

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

ground water elevation

- at time of drilling
- end of drilling
- after drilling

ABBREVIATIONS

F-Fine M-Medium C-Coarse st-shelby tube

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-13-3112

DRAWN BY WAR | PLANS CK'D. KGW

SUBSURFACE EXPLORATION

SHEET 5 OF 5

510

8

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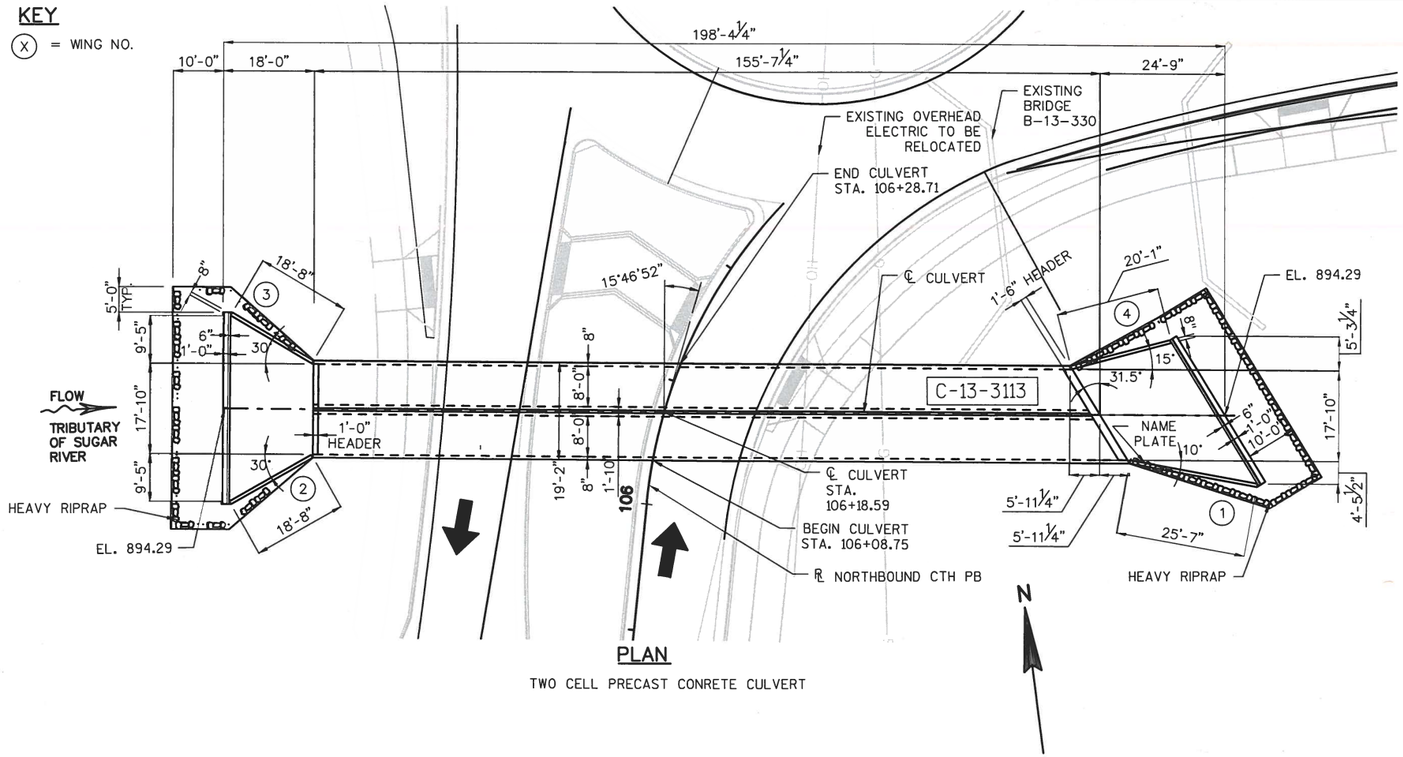
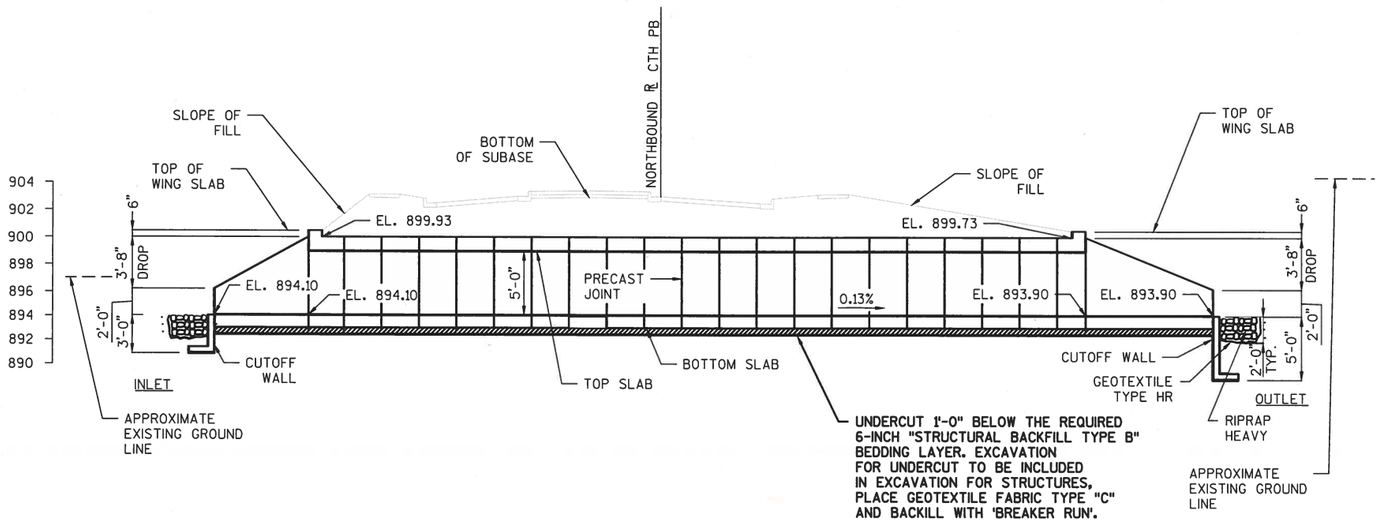
KEY

(X) = WING NO.



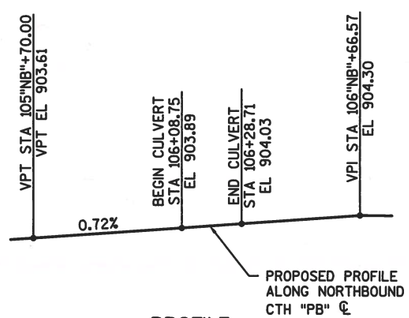
PLAN

TWO CELL PRECAST CONRETE CULVERT



SECTION THROUGH CTH 'PB'

LOOKING NORTH



PROFILE

GENERAL NOTES:

DRAWINGS SHALL NOT BE SCALED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS C-13-3113" SHALL BE THE EXISTING GROUND LINE..

EXISTING STRUCTURE B-13-330 IS A SINGLE SPAN STEEL DECK GIRDER BRIDGE WITH AN OVERALL WIDTH OF 39'-4" AND END TO END LENGTH OF 36'-6". THE STRUCTURE IS TO BE REMOVED ENTIRELY.

ALL PRECAST BOX SECTIONS SHALL BE PLACED ON A BEDDING OF "STRUCTURE BACKFILL TYPE B" OF 6" MINIMUM DEPTH.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

WITHIN THE LENGTH OF THE BOX ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TO THE ELEVATION AND SECTION EXISTING PRIOR TO EXCAVATION WITHIN THE LENGTH OF THE CULVERT

STATE PROJECT NUMBER

1693-05-72

FOUNDATION DATA:

SOIL BEARING PRESSURE = 3,000 psf

DESIGN DATA:

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.05
OPERATING RATING: RF=1.35
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV)=255 KIPS

HYDRAULIC DATA:

100 YEAR FREQUENCY

DRAINAGE AREA:	0.19 SQ. MI.
Q_{100}:	225 CFS
VELOCITY:	3.68 FT/SEC
WATERWAY AREA:	80 SF
HIGH $WATER_{100}$ ELEVATION:	898.23 FT
REGULATORY HIGH WATER ELEVATION:	898.26 FT
SCOUR CRITICAL CODE:	8
ROADWAY OVERTOPPING:	N/A

2 YEAR FREQUENCY

Q :	30 CFS
VELOCITY:	0.92 FT/SEC
HIGH WATER ELEVATION: $_{100}$	896.46 FT

EARTH LOAD

DESIGNED FOR FILL HEIGHT RANGE OF 3.5 TO 6.0 FEET

MATERIAL PROPERTIES

CONCRETE MASONRY: f'c = 3,500 P.S.I.
BAR STEEL REINFORCEMENT: fy = 60,000 P.S.I.

TRAFFIC DATA

ADT=6,300 (2019)
ADT=8,300 (2039)

RDS=30 MPH

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. PRECAST CONCRETE BOX CULVERT BARREL DETAILS
3. PRECAST WINGS, HEADERS, AND CUTOFF WALLS
4. APRON REINFORCING PLAN
5. SUBSURFACE EXPLORATION

WISCONSIN
KEVIN G. WOOD
E-32070
MILWAUKEE, WI
PROFESSIONAL ENGINEER
May 26, 2021

NO.	DATE	REVISION	BY

GRAEF
275 W. Wisconsin Avenue
Suite 300
Milwaukee, WI 53203
414 / 259 1500
414 / 259 0037 fax
www.graef-usa.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED SDR 08/16/21
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE C-13-3113

CTH PB OVER TRIBUTARY SUGAR RIVER

COUNTY DANE	TOWN ~~CITY/VILLAGE~~ MONTROSA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
KGW	WAR	SK	JSR

GENERAL PLAN & ELEVATION

SHEET 1 OF 5

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8

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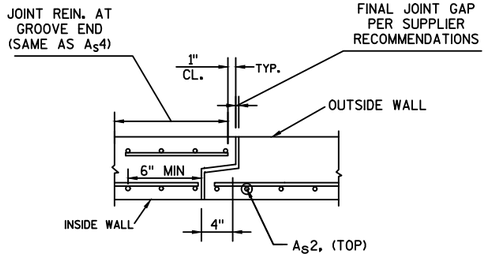
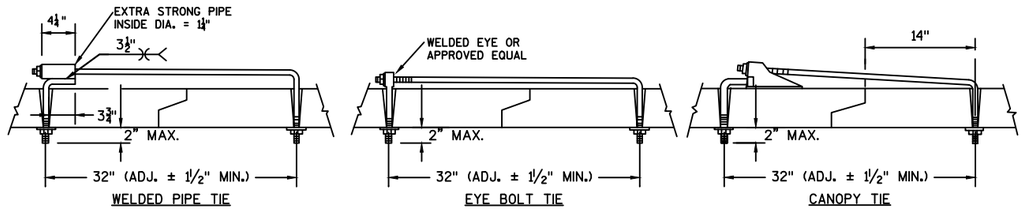
STATE PROJECT NUMBER

1693-05-72

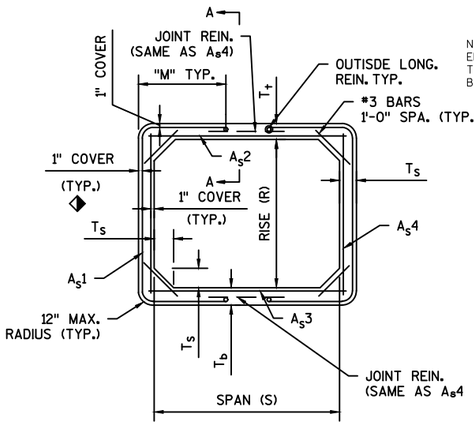


SECTION A-A

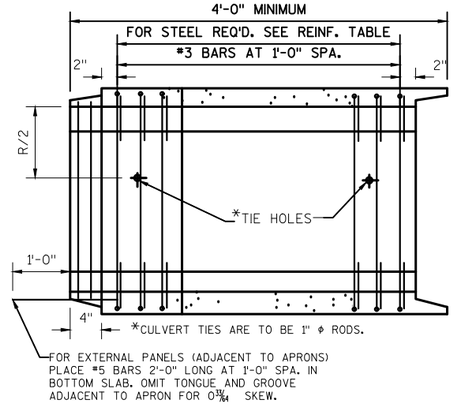


JOINT TIES

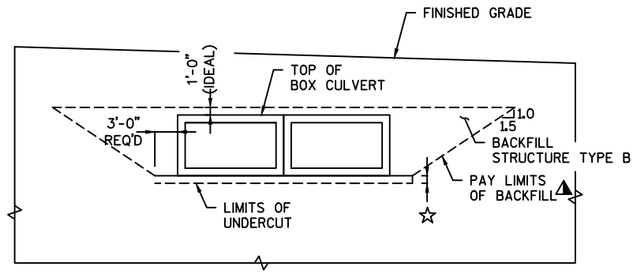
NOTES:
EITHER EYE BOLT TIES, WELDED PIPE TIES, OR CANOPY TIES MAY BE USED.
THREADS MAY BE CUT OR ROLLED. TIE NUTS SHALL BE TIGHTENED AS DIRECTED BY THE ENGINEER. (2 TIES REQ'D. PER JOINT.) (TIES TO BE GALVANIZED.)



SECTION THRU BARREL



LONGITUDINAL SECTION



TYPICAL SECTION
THRU BOX CULVERT

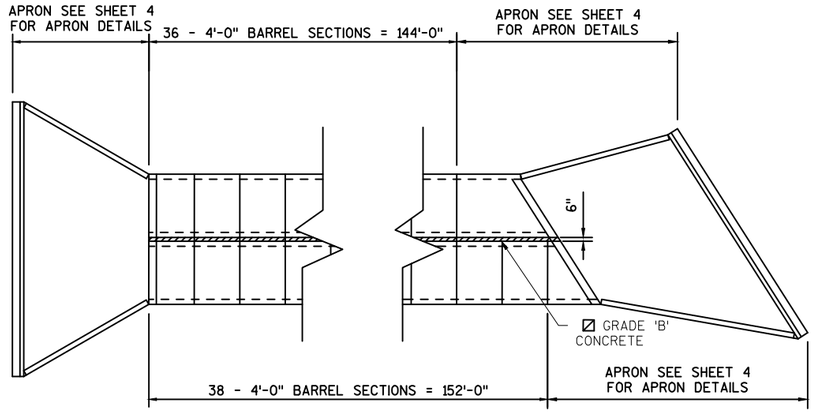
TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEM	UNIT	TOTAL
203.0200.02	REMOVING STRUCTURE B-13-330	EACH	1
206.2000.02	EXCAVATION FOR STRUCTURES CULVERTS C-13-3113	LS	1
210.2500	BACKFILL STRUCTURE TYPE B	TON	1912
311.0110	BREAKER RUN	TON	183
504.0100	CONCRETE MASONRY CULVERTS	CY	30
504.1001.S.02	PRECAST CONCRETE WINGWALLS C-13-3113	EACH	4
504.2000.S.02	PRECAST CONCRETE BOX CULVERT 8 FEET X 5 FEET	LF	312
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	1720
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	3
606.0300	RIPRAP HEAVY	TON	87
645.0105	GEOTEXTILE, TYPE C	SY	549
645.0111	GEOTEXTILE, TYPE DF SCHEDULE A	SY	258
645.0120	GEOTEXTILE, TYPE HR	SY	212

ALL ITEMS CATEGORY 0040

DIMENSIONS						REINFORCEMENT (IN^2/FT)															
FILL HEIGHT (FT)	R (FT)	S (FT)	T_T (IN)	T_B (IN)	T_S (IN)	A_S1			A_S2		A_S3		A_S4		A_S5		A_S6		** A_S7		** A_S8	
						REQ'D	ACT.	M (IN)	REQ'D	ACT.	REQ'D	ACT.	REQ'D	ACT.	REQ'D	ACT.	REQ'D	ACT.	REQ'D	ACT.	REQ'D	ACT.
6	5	8	8	8	8	0.23	–	45	0.31	–	0.32	–	0.19	–	–	–	–	–	0.80	–	0.54	–

** SEE SECTION D-D AND OUTLET APRON PLAN SHEET 3 FOR LOCATION



MULTI CELL PLAN INSTALLATION

NOTES

DETAILS FOR MATERIALS, FABRICATION, CONSTRUCTION AND DESIGN OF PRECAST BOX CULVERTS NOT SHOWN OR STATED ON THIS DRAWING SHALL BE IN ACCORDANCE WITH THE CURRENT ASTM SPECIFICATION, C1577; AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS; WISCONSIN DOT BRIDGE MANUAL; WISCONSIN DOT STANDARD SPECIFICATIONS & APPLICABLE SPECIAL PROVISIONS, EXCEPT THAT THE CONCRETE MIXTURE SHALL CONTAIN NOT LESS THAN 565 LBS. OF CEMENTITIOUS MATERIALS PER CUBIC YARD.

THE DESIGN OF PRECAST BOX CULVERTS WITH ALL FILL HEIGHTS SHALL BE AS STATED IN ASTM C1577.

ALL PRECAST BOX SECTIONS SHALL BE PLACED ON A BEDDING OF "STRUCTURE BACKFILL TYPE B" OF 6" MINIMUM DEPTH.

THE COVER OF CONCRETE OVER THE REINFORCEMENT SHALL BE 1 INCH OR 2 INCHES AS SHOWN WITH AN ALLOWABLE VARIATION OF $-\frac{3}{8}$ TO $+\frac{1}{2}$ INCH.

THE SPACING CTR. TO CTR. OF THE CIRCUMFERENTIAL WIRES SHALL NOT BE LESS THAN 2 INCHES NOR MORE THAN 4 INCHES. THE SPACING CTR. TO CTR. OF THE LONGIT. WIRES SHALL NOT BE MORE THAN 8 INCHES. PROVIDE 0.03 SQ. IN./FT MINIMUM LONG. REINFORCEMENT AT EACH FACE IN SLABS AND WALLS

NOT MORE THAN FOUR (4) HOLES MAY BE CAST, DRILLED OR OTHERWISE NEATLY MADE IN THE SHELL OF EACH PIECE OF BOX SECTION FOR HANDLING. THE HOLES SHALL BE TAPERED UNLESS DRILLED. HOLES SHALL BE FILLED WITH
PORTLAND CEMENT MORTAR EXCEPT TAPERED HOLES MAY BE FILLED WITH CONCRETE PLUGS SECURED WITH PORTLAND CEMENT MORTAR OR OTHER APPROVED ADHESIVE.

THE JOINT ON THE BOTTOM OF THE CULVERT & THE SIDES OF THE CULVERT FROM THE BOTTOM TO A POINT 1'-0" FROM THE CEILING SHALL BE SEALED WITH A PREFORMED MASTIC. PREFORMED MASTIC MUST CONFORM TO AASHTO MATERIALS SPEC. M198, TYPE B. A 2'-0" STRIP OF GEOTEXTILE TYPE DF SCHEDULE A SHALL BE PLACED OVER THE JOINTS ON THE TOP AND ON THE SIDES OF THE CULVERT. THE GEOTEXTILE FABRIC SHALL CONFORM TO SECTION 645.2.2.4, OF THE STANDARD SPECIFICATION. (FABRIC NOT REQUIRED OVER INSIDE WALL JOINTS OF MULTICELL INSTALLATION.)

SHOP DRAWINGS SHALL PRIVDE "BOX CULVERT BARREL DATA" WITH REQUIRED AND ACTUAL REINFORCEMENT AREAS.

MATERIAL PROPERTIES:
PRECAST CONCRETE ———— f'c = 5,000 P.S.I
BAR STEEL REINFORCEMENT---- fy = 60,000 P.S.I
STEEL REINFORCEMENT (WIRE) — fy = 65,000 P.S.I

LEGEND

☆ IN LIEU OF USING BREAKER RUN FOR THE BOX CONSTRUCTION PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COURSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL. THE REGION GEOTECHNICAL ENGINEER MAY BE CONTACTED TO DETERMINE IF "OTHER GRANULAR MATERIAL" IS ACCEPTABLE.

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

◆ 1" OR 3X WIRE DIAMETER, WHICHEVER IS GREATER

☒ WHEN TWO OR MORE BARRELS ARE UTILIZED IN PARALLEL FOR MULTICELL INSTALLATIONS THE CLEAR SPACING BETWEEN BARRELS SHALL BE 6 INCHES AND THE SPACE BETWEEN ADJACENT BARRELS FROM TOP OF BEDDING TO TOP OF TOP SLAB SHALL BE FILLED WITH GRADE "B" CONCRETE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-13-3113

DRAWN BY JS | PLANS CK'D. KGW

PRECAST CONCRETE BOX CULVERT BARREL DETAILS

SHEET 2 OF 5

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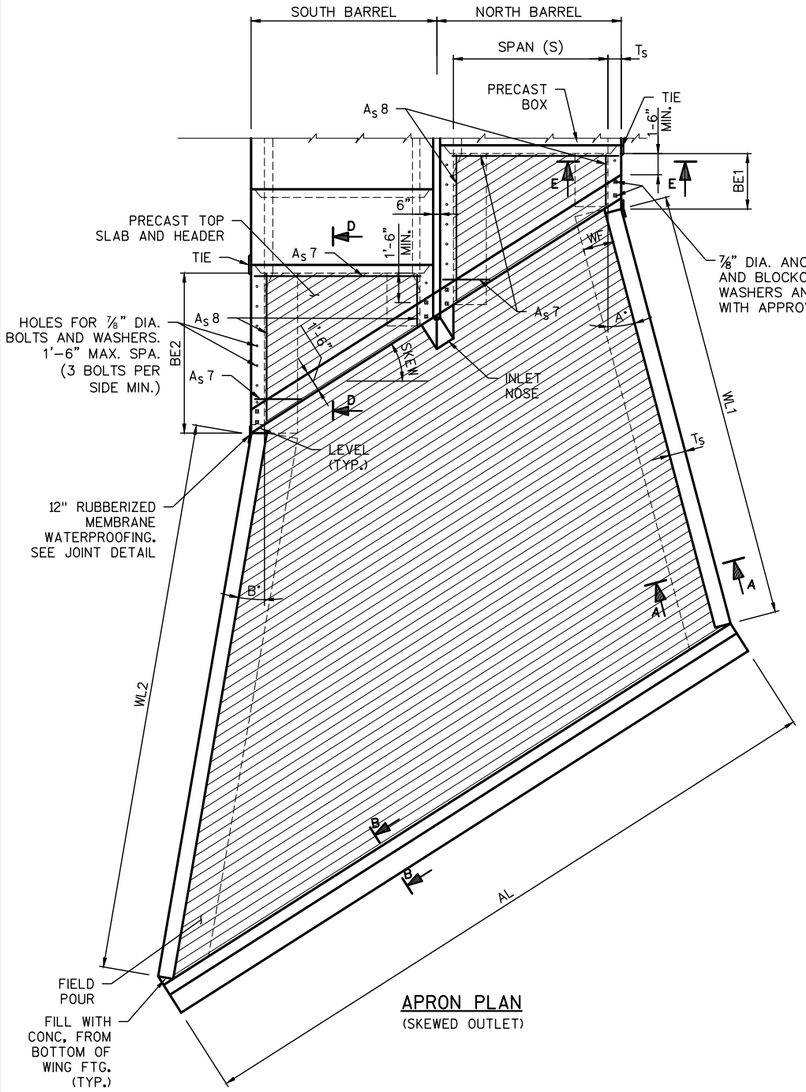
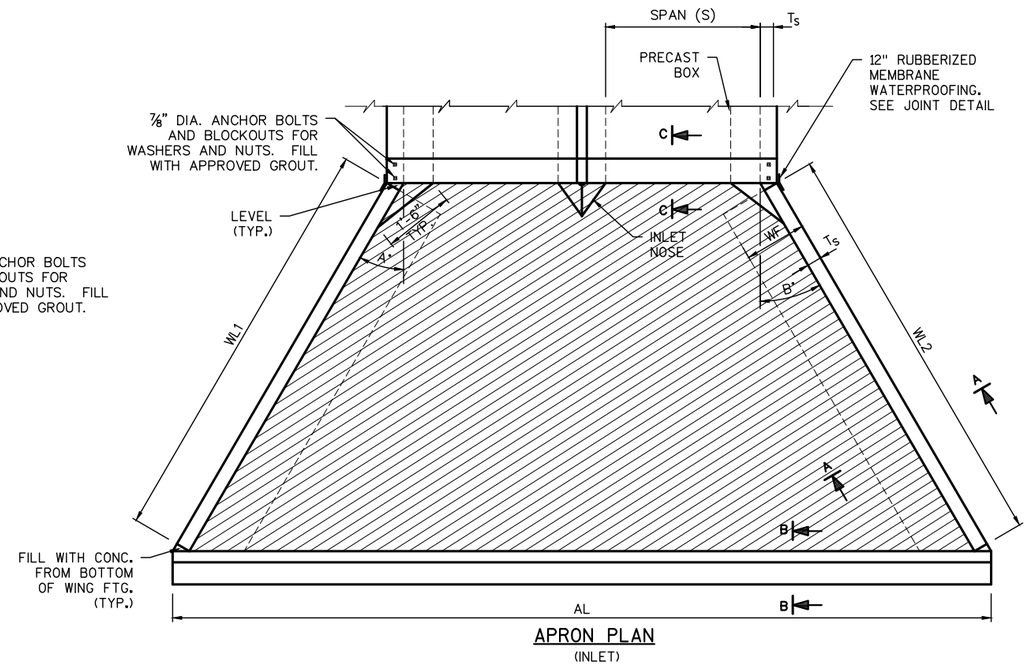


APRON PLAN
(SKEWED OUTLET)

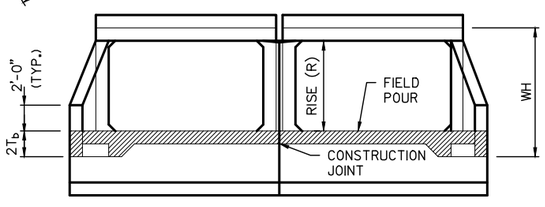


APRON PLAN
(INLET)

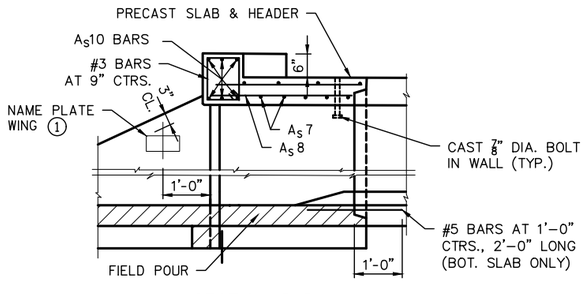
SECTION A-A

SECTION B-B

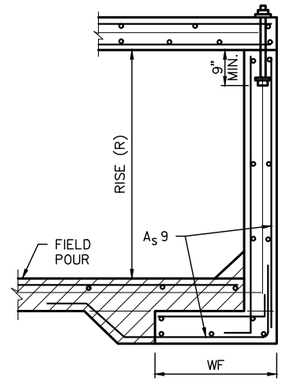
SECTION C-C



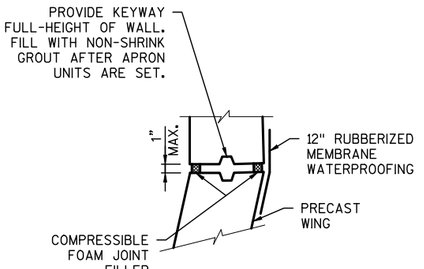
END VIEW



SECTION D-D



SECTION E-E



JOINT DETAIL

JOINT DETAIL EXAMPLES SHOWN. PRECAST SUPPLIER TO SUBMIT JOINT DETAIL FOR ACCEPTANCE.

BOX CULVERT APRON DATA

	R (FT.)	S (FT.)	T OR T_S(IN)	SKEW	ANGLE A	ANGLE B	WL 1	WL 2	AL	AH	WH	BE1	BE2	
INLET	5.0	8.0	8.0	0.0°	30.0°	30.0°	18.67'	18.67'	37.83'	3.0'	7.0'	–	–	
OUTLET	5.0	8.0	8.0	31.5°	15.0°	10.0°	20.08'	25.58'	33.50'	5.0'	7.0'	5.40' 3.42'	11.13' 9.14'	NORTH BARREL SOUTH BARREL

SPAN (S)	A_S10 BARS SKEW 0°	A_S10 BARS SKEW 31.5°
8'-0"	(6) – #6	(6) – #8

RISE (R)	A_S9 IN.²/FT	WF
5'-0"	0.2400	3'-6"

NOTES

CONCRETE COVER ON ALL REINFORCEMENT IN THE PRECAST ELEMENTS SHALL BE 2" UNLESS SHOWN OR NOTED OTHERWISE.

STEEL REINFORCEMENT MAY BE EITHER GRADE 60 DEFORMED BARS (FY = 60,000 P.S.I.) OR WELDED DEFORMED – WIRE FABRIC OF EQUIVALENT AREA, (FY = 65,000 P.S.I.)

THE MINIMUM CONCRETE STRENGTH OF THE FIELD POURED CONCRETE SHALL BE 3,500 P.S.I.

ALTERNATE DETAILS OF EQUAL STRENGTH AND HYDRAULIC CAPACITY TO THE DETAILS SHOWN ON THIS SHEET MAY BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

THE MINIMUM CONCRETE STRENGTH OF THE CONCRETE IN THE PRECAST APRON ELEMENTS SHALL BE 4,000 P.S.I.

THE PRECAST ELEMENTS SHALL BE PROVIDED WITH SUITABLE LIFTING DEVICES FOR HANDLING AND PLACEMENT OF THE ELEMENTS.

VERTICAL CONSTRUCTION JOINTS THRU THE WALLS AND FOOTING WILL BE ALLOWED ONLY WITH THE APPROVAL OF THE ENGINEER. DETAILS MUST BE SHOWN ON THE SHOP DRAWINGS FOR APPROVAL.

THE AREA OF REINFORCING STEEL NOT IDENTIFIED IN SECTIONS SHALL CONFORM TO THE FOLLOWING TEMPERATURE AND SHRINKAGE REQUIREMENTS.

THICKNESS	T&S REINF.
≤ 12"	#4@18"
> 12"-18"	#4@12"

THE MAXIMUM BAR SIZE OF GRADE 60 DEFORMED BARS, OTHER THAN THE A_S10 BARS, SHALL BE #5.

THE 7/8" ϕ ANCHOR BOLTS SHALL BE GALVANIZED AND CONFORM TO THE REQUIREMENTS OF A.S.T.M. A575.

ALL EXPOSED CORNERS SHALL BE BEVELED ¾" ON THE SIDES OR TOOL EDGED WITH A ½" MINIMUM RADIUS EDGER.

PRECAST CUT OFF WALLS MAY BE FIELD SPLICED BY EXTENDING THE REINFORCING STEEL FROM BOTH SEGMENTS TO BE SPLICED 1'-6" INTO THE SPLICE ZONE, LAPPING THE STEEL ± 1'-6" AND FIELD POURING A SECTION OF CUT OFF WALL 1'-6" LONG.

PRECAST ELEMENTS MAY BE POURED IN PLACE AT THE OPTION OF THE CONTRACTOR.

APRON SHALL BE POURED AND CURED PRIOR TO BACKFILLING WINGWALLS.

STATE PROJECT NUMBER

1693-05-72

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-13-3113

DRAWN BY JS | PLANS CK'D. KGW

PRECAST WINGS, HEADERS, AND CUTOFF WALLS

SHEET 3 OF 5

513

8

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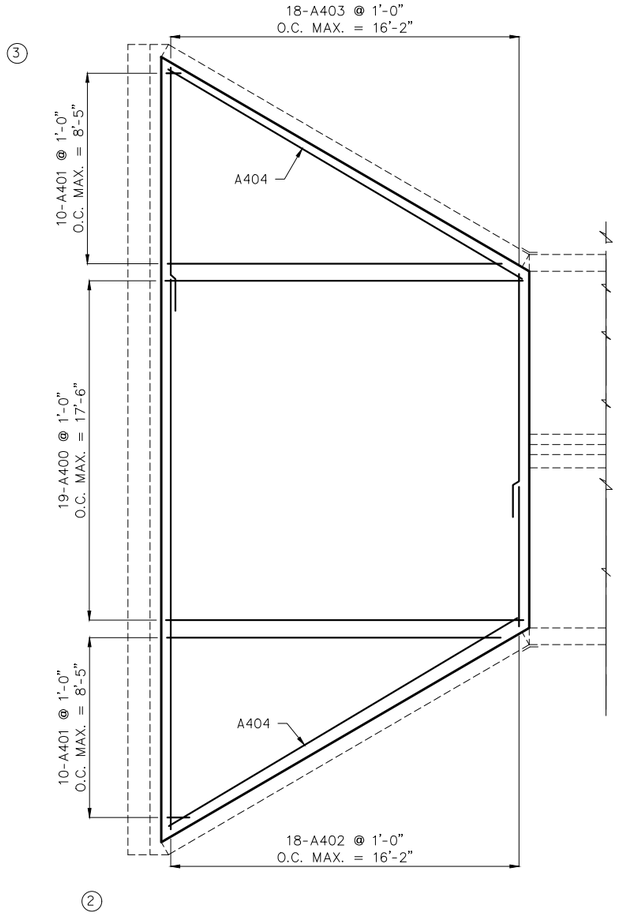
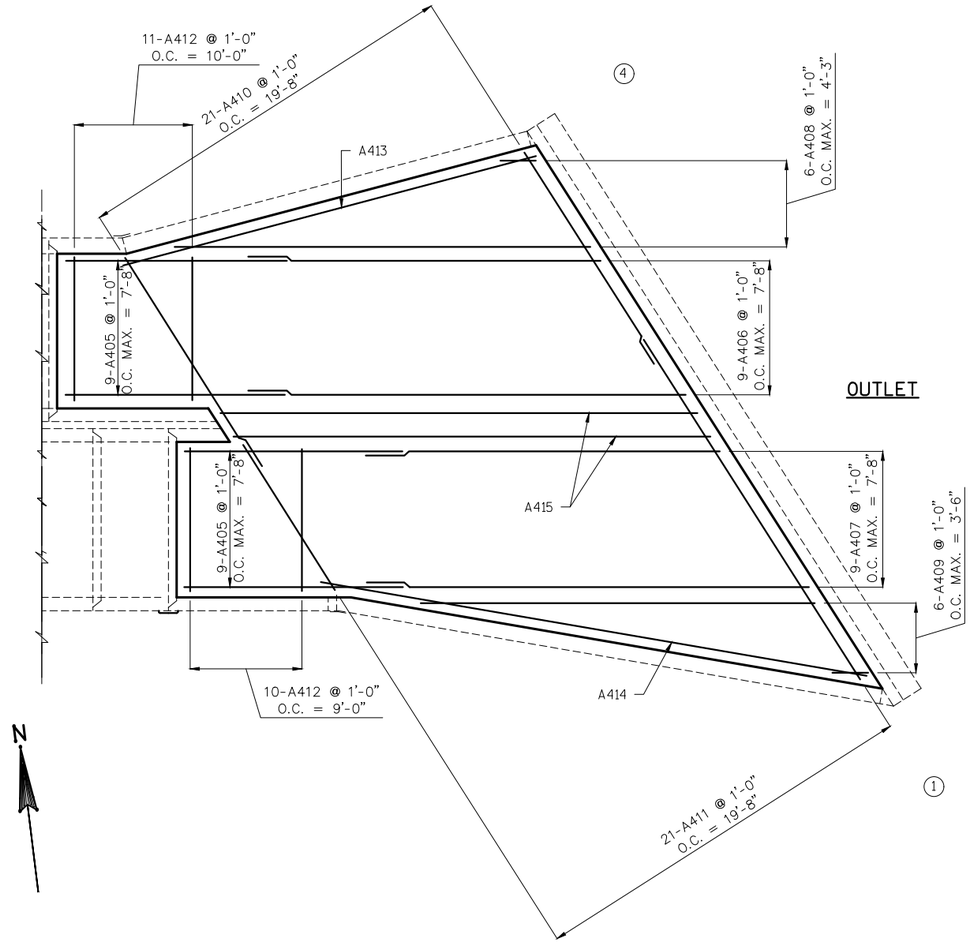
STATE PROJECT NUMBER

1693-05-72

INLET





APRON REINFORCING PLAN

#4 BAR MIN. LAP LENGTH = 1'-5"

- BILL OF BARS

MARK	COATED	NO. REQ'D	LENGTH	✳BAR SERIES	BENT	LOCATION
A400		19	16'-2"			INLET LONGITUDINAL
A401		20	7'-10"	X		INLET LONGITUDINAL AT WINGS
A402		18	18'-8"	X		INLET TRANSVERSE
A403		18	10'-0"			INLET TRANSVERSE
A404		2	18'-4"			INLET AT WING F.F.
A405		18	15'-0"			OUTLET LONGITUDINAL
A406		9	18'-4"	X		OUTLET LONGITUDINAL NORTH BARREL
A407		9	16'-4"	X		OUTLET LONGITUDINAL SOUTH BARREL
A408		6	10'-1"	X		OUTLET LONGITUDINAL AT WING 4
A409		6	9'-9"	X		OUTLET LONGITUDINAL AT WING 1
A410		21	10'-0"			OUTLET TRANSVERSE
A411		21	18'-11"	X		OUTLET TRANSVERSE
A412		21	7'-8"			OUTLET TRANSVERSE
A413		1	19'-9"			OUTLET AT WING 4 F.F.
A414		1	25'-3"			OUTLET AT WING 1 F.F.
A415		2	22'-11"			OUTLET LONGITUDINAL AT MIDDLE WALL

✳ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR LENGTH CALCULATIONS. SEE BAR SERIES FOR ACTUAL LENGTHS.

BAR SERIES TABLE

MARK	NO REQ'D	LENGTH
A401	2 SERIES OF 10	0'-11" TO 14'-9"
A402	1 SERIES OF 18	9'-3" TO 28'-1"
A406	1 SERIES OF 9	15'-5" TO 21'-3"
A407	1 SERIES OF 9	13'-5" TO 19'-3"
A408	1 SERIES OF 6	0'-11" TO 19'-3"
A409	1 SERIES OF 6	1'-0" TO 18'-6"
A411	1 SERIES OF 21	12'-4" TO 25'-6"

BUNDLE AND TAG EACH SERIES SEPARATELY

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-13-3113

DRAWN BY SK | PLANS CK'D. KGW

APRON REINFORCING

SHEET 4 OF 5

514

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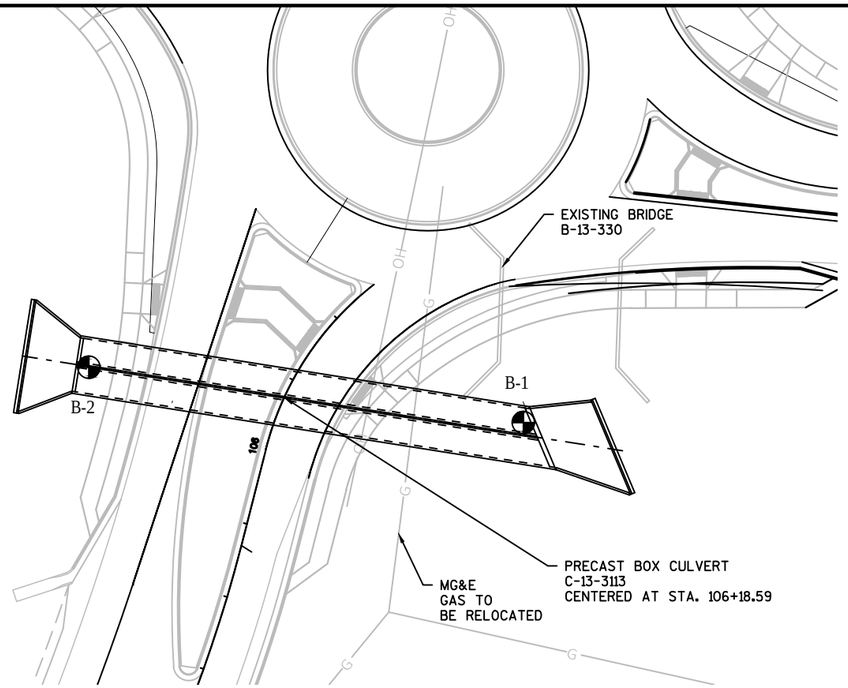
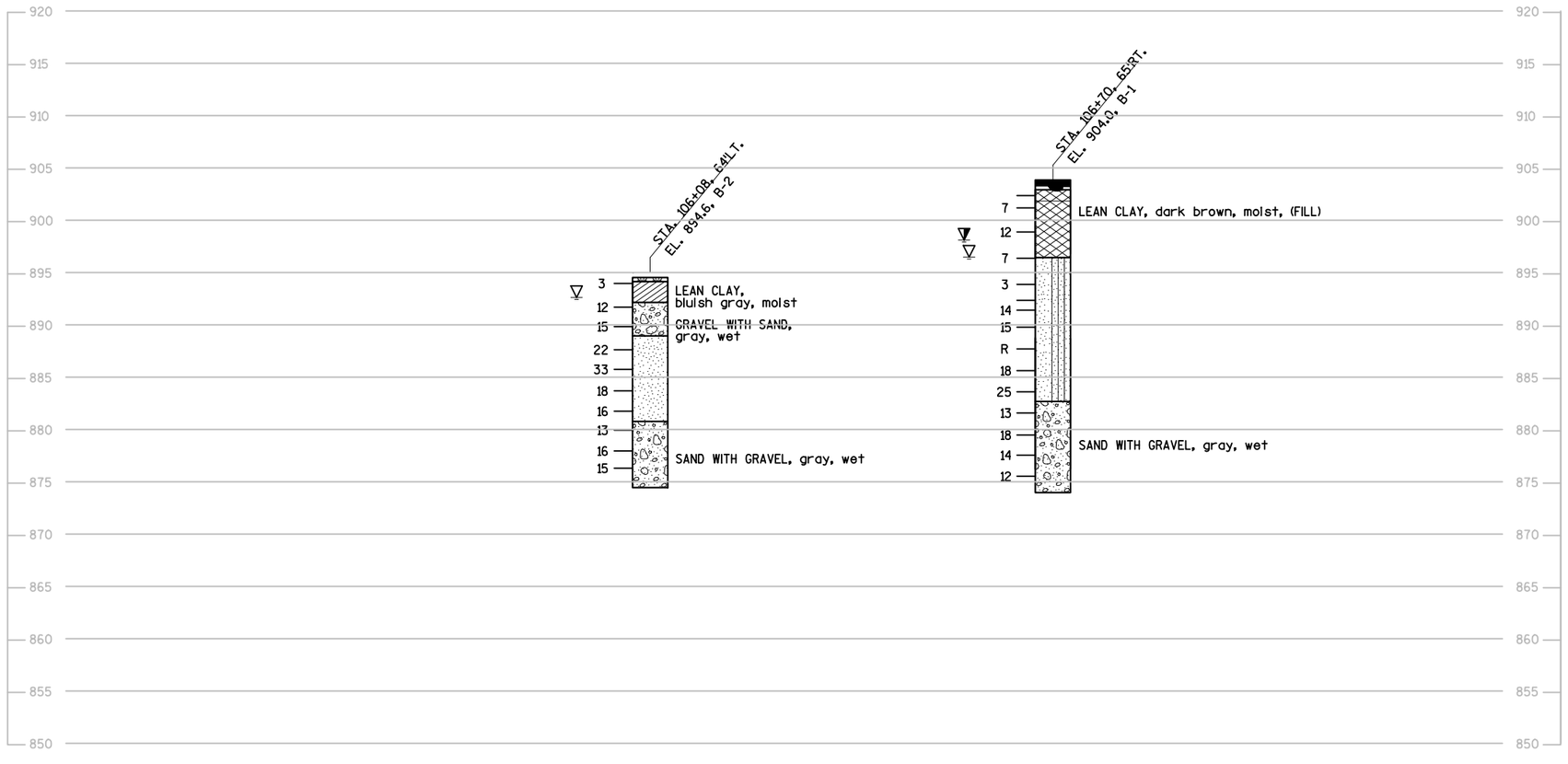


N

SOIL EXPLORATION PERFORMED BY:
GESTRA ENGINEERING INC.
191 W. EDGERTON AVENUE
MILWAUKEE, WI 53207
(414)933-7444

BORING #	DATE COMPLETED	LATITUDE	LONGITUDE
B-1	7-18-17	42.92746	-89.52733
B-2	7-18-17	42.92750	-89.52776
BORINGS COMPLETED BY: M. ROHDES			
REPORT COMPLETED BY: GESTRA			
ALL COORDINATES OBTAINED USING A GPS UNIT			



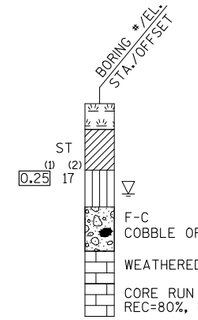
STATE PROJECT NUMBER

1693-05-72

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

ground water elevation

- at time of drilling
- end of drilling
- after drilling

ABBREVIATIONS

F-Fine M-Medium C-Coarse st-shelby tube

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-13-3113

DRAWN BY WAR | PLANS CK'D. KGW

SUBSURFACE EXPLORATION

SHEET 5 OF 5

515

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STH 69 EARTHWORK SUMMARY

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/ Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
75+46.467	7546.47	0.00	12.39	17.90	1.01	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
76+00	7600.00	53.53	101.04	17.90	9.97	0.00	0.00	112	35	11	0	0	112	14	0	0	0	63
77+00	7700.00	100.00	86.52	17.90	17.34	0.00	0.00	347	66	51	0	0	460	77	0	0	0	281
78+00	7800.00	100.00	73.67	17.90	27.62	0.00	0.00	297	66	83	0	0	756	181	0	0	0	407
79+00	7900.00	100.00	105.79	17.90	9.08	0.00	0.00	332	66	68	0	0	1,089	266	0	0	0	589
80+00	8000.00	100.00	54.87	17.90	69.15	0.00	0.00	298	66	145	0	0	1,386	447	0	0	0	639
81+00	8100.00	100.00	84.95	17.90	75.03	0.00	0.00	259	66	267	0	0	1,645	781	0	0	0	498
82+00	8200.00	100.00	103.82	17.90	41.53	0.00	0.00	350	66	216	0	0	1,995	1,050	0	0	0	511
83+00	8300.00	100.00	140.22	17.90	6.63	0.00	0.00	452	66	89	0	0	2,447	1,162	0	0	0	785
84+00	8400.00	100.00	141.00	17.90	102.62	0.00	0.00	521	66	202	0	0	2,967	1,415	0	0	0	987
85+00	8500.00	100.00	246.94	17.90	26.52	0.00	0.00	718	66	239	0	0	3,686	1,714	0	0	0	1,340
86+00	8600.00	100.00	282.45	17.90	44.86	0.00	0.00	980	66	132	0	0	4,666	1,879	0	0	0	2,089
87+00	8700.00	100.00	274.55	17.90	52.97	0.00	0.00	1,031	66	181	0	0	5,698	2,105	0	0	0	2,827
88+00	8800.00	100.00	258.22	17.90	32.27	0.00	0.00	987	66	158	0	0	6,684	2,303	0	0	0	3,550
89+00	8900.00	100.00	440.94	17.90	15.08	0.00	0.00	1,295	66	88	0	0	7,979	2,412	0	0	0	4,669
90+00	9000.00	100.00	575.73	17.90	1.22	0.00	0.00	1,883	66	30	0	0	9,862	2,450	0	0	0	6,448
91+00	9100.00	100.00	601.71	17.90	0.00	0.00	0.00	2,180	66	2	0	0	12,042	2,453	0	0	0	8,559
92+00	9200.00	100.00	539.72	17.90	0.00	0.00	0.00	2,114	66	0	0	0	14,156	2,453	0	0	0	10,607
93+00	9300.00	100.00	190.38	17.90	33.01	0.00	0.00	1,352	66	61	0	0	15,508	2,529	0	0	0	11,816
93+25	9325.00	25.00	135.54	17.90	47.37	0.00	0.00	151	17	37	0	0	15,659	2,576	0	0	0	11,904
93+60.349	9360.35	35.35	135.62	17.90	193.52	0.00	0.00	178	23	158	0	0	15,836	2,773	0	0	0	11,861
94+00	9400.00	39.65	279.43	17.90	261.79	0.00	0.00	305	26	334	0	0	16,141	3,191	0	0	0	11,721
95+00	9500.00	100.00	117.78	17.90	98.84	0.00	0.00	736	66	668	0	0	16,877	4,026	0	0	0	11,556
95+25	9525.00	25.00	100.06	17.90	115.78	0.00	0.00	101	17	99	0	0	16,978	4,150	0	0	0	11,516
96+00	9600.00	75.00	96.75	17.90	86.93	0.00	0.00	273	50	282	0	0	17,251	4,502	0	0	0	11,387
97+00	9700.00	100.00	34.51	17.90	75.60	0.00	0.00	243	66	301	0	0	17,494	4,878	0	0	0	11,188
98+00	9800.00	100.00	94.70	17.90	75.14	0.00	0.00	239	66	279	0	0	17,733	5,227	0	0	0	11,012
99+00	9900.00	100.00	97.59	17.90	27.57	0.00	0.00	356	66	190	0	0	18,089	5,465	0	0	0	11,064
100+00	10000.00	100.00	102.49	17.90	28.64	0.00	0.00	371	66	104	0	0	18,460	5,595	0	0	0	11,238
101+00	10100.00	100.00	74.85	17.90	44.09	0.00	0.00	328	66	135	0	0	18,788	5,763	0	0	0	11,332
102+00	10200.00	100.00	66.09	17.90	22.23	0.00	0.00	261	66	123	0	0	19,049	5,917	0	0	0	11,373
103+00	10300.00	100.00	32.92	17.90	105.11	0.00	0.00	183	66	236	0	0	19,233	6,211	0	0	0	11,195
104+00	10400.00	100.00	9.75	17.90	172.19	0.00	0.00	79	66	514	0	0	19,312	6,853	0	0	0	10,566
105+00	10500.00	100.00	8.84	17.90	201.58	0.00	0.00	34	66	692	0	0	19,346	7,719	0	0	0	9,669
105+40	10540.00	40.00	15.65	17.90	200.99	0.00	0.00	18	27	298	0	0	19,364	8,091	0	0	0	9,288
106+00	10600.00	60.00	4.81	17.90	167.10	0.00	0.00	23	40	409	0	0	19,387	8,603	0	0	0	8,760
107+00	10700.00	100.00	23.23	17.90	142.18	0.00	0.00	52	66	573	0	0	19,439	9,318	0	0	0	8,029
108+00	10800.00	100.00	45.78	17.90	79.53	0.00	0.00	128	66	411	0	0	19,567	9,832	0	0	0	7,578
109+00	10900.00	100.00	60.98	17.90	65.23	0.00	0.00	198	66	268	0	0	19,764	10,167	0	0	0	7,374
110+00	11000.00	100.00	92.65	17.90	49.94	0.00	0.00	284	66	213	0	0	20,049	10,433	0	0	0	7,325
111+00	11100.00	100.00	79.07	17.90	54.76	0.00	0.00	318	66	194	0	0	20,367	10,676	0	0	0	7,335
112+00	11200.00	100.00	69.86	17.90	58.39	0.00	0.00	276	66	210	0	0	20,643	10,938	0	0	0	7,282
113+00	11300.00	100.00	76.50	17.90	55.57	0.00	0.00	271	66	211	0	0	20,914	11,201	0	0	0	7,223
114+00	11400.00	100.00	57.29	17.90	77.12	0.00	0.00	248	66	246	0	0	21,161	11,509	0	0	0	7,098
115+00	11500.00	100.00	8.42	17.90	197.76	0.00	0.00	122	66	509	0	0	21,283	12,145	0	0	0	6,517
116+00	11600.00	100.00	44.71	17.90	86.89	0.00	0.00	98	66	527	0	0	21,382	12,804	0	0	0	5,890
117+00	11700.00	100.00	45.42	17.90	125.82	0.00	0.00	167	66	394	0	0	21,548	13,296	0	0	0	5,498
118+00	11800.00	100.00	226.60	17.90	17.61	0.00	0.00	504	66	266	0	0	22,052	13,628	0	0	0	5,603
119+00	11900.00	100.00	227.68	17.90	7.59	0.00	0.00	841	66	47	0	0	22,893	13,687	0	0	0	6,320
120+00	12000.00	100.00	147.01	17.90	76.46	0.00	0.00	694	66	156	0	0	23,587	13,881	0	0	0	6,753
121+00	12100.00	100.00	135.09	17.90	264.82	0.00	0.00	522	66	632	0	0	24,110	14,671	0	0	0	6,419
121+40.923	12140.92	40.92	175.18	17.90	228.98	0.00	0.00	235	27	374	0	0	24,345	15,139	0	0	0	6,159
122+00	12200.00	59.08	124.53	17.90	218.29	0.00	0.00	328	39	489	0	0	24,673	15,751	0	0	0	5,836

STH 69 EARTHWORK SUMMARY (CONTINUED)

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/ Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
123+00	12300.00	100.00	12.36	17.90	231.21	0.00	0.00	253	66	832	0	0	24,926	16,791	0	0	0	4,983
124+00	12400.00	100.00	42.72	17.90	289.07	0.00	0.00	102	66	963	0	0	25,028	17,995	0	0	0	3,814
125+00	12500.00	100.00	136.05	17.90	194.20	0.00	0.00	331	66	895	0	0	25,359	19,114	0	0	0	2,960
126+00	12600.00	100.00	212.32	17.90	138.68	0.00	0.00	645	66	616	0	0	26,004	19,885	0	0	0	2,769
127+00	12700.00	100.00	101.53	17.90	176.39	0.00	0.00	581	66	583	0	0	26,586	20,614	0	0	0	2,554
128+00	12800.00	100.00	36.27	17.90	205.92	0.00	0.00	255	66	708	0	0	26,841	21,499	0	0	0	1,858
129+00	12900.00	100.00	11.39	17.90	212.01	0.00	0.00	88	66	774	0	0	26,929	22,466	0	0	0	913
130+00	13000.00	100.00	148.50	17.90	110.87	0.00	0.00	296	66	598	0	0	27,225	23,214	0	0	0	395
131+00	13100.00	100.00	107.70	17.90	141.49	0.00	0.00	474	66	467	0	0	27,700	23,798	0	0	0	219
132+00	13200.00	100.00	166.01	17.90	128.37	0.00	0.00	507	66	500	0	0	28,206	24,423	0	0	0	35
133+00	13300.00	100.00	115.36	17.90	155.02	0.00	0.00	521	66	525	0	0	28,728	25,079	0	0	0	-166
134+00	13400.00	100.00	26.33	17.90	272.77	0.00	0.00	262	66	792	0	0	28,990	26,069	0	0	0	-960
134+90.002	13490.00	90.00	24.25	17.90	285.58	0.00	0.00	84	60	931	0	0	29,074	27,232	0	0	0	-2,099
135+00	13500.00	10.00	20.13	17.90	280.31	0.00	0.00	8	7	105	0	0	29,082	27,363	0	0	0	-2,228
136+00	13600.00	100.00	75.38	17.90	223.56	0.00	0.00	177	66	933	0	0	29,259	28,529	0	0	0	-3,284
137+00	13700.00	100.00	71.03	17.90	156.30	0.00	0.00	271	66	703	0	0	29,530	29,409	0	0	0	-3,959
138+00	13800.00	100.00	87.18	17.90	139.45	0.00	0.00	293	66	548	0	0	29,823	30,093	0	0	0	-4,417
139+00	13900.00	100.00	24.28	17.90	411.61	0.00	0.00	206	66	1,020	0	0	30,030	31,369	0	0	0	-5,552
139+50	13950.00	50.00	85.59	17.90	430.85	0.00	0.00	102	33	780	0	0	30,132	32,344	0	0	0	-6,459
140+00	14000.00	50.00	12.11	17.90	300.60	0.00	0.00	90	33	677	0	0	30,222	33,191	0	0	0	-7,248
141+00	14100.00	100.00	31.02	17.90	135.77	0.00	0.00	80	66	808	0	0	30,302	34,201	0	0	0	-8,244
142+00	14200.00	100.00	21.22	17.90	118.15	0.00	0.00	97	66	470	0	0	30,399	34,788	0	0	0	-8,802
143+00	14300.00	100.00	57.41	17.90	73.26	0.00	0.00	146	66	354	0	0	30,544	35,232	0	0	0	-9,166
144+00	14400.00	100.00	76.02	17.90	57.67	0.00	0.00	247	66	242	0	0	30,791	35,535	0	0	0	-9,288
145+00	14500.00	100.00	99.61	17.90	46.92	0.00	0.00	325	66	194	0	0	31,117	35,777	0	0	0	-9,271
146+00	14600.00	100.00	223.38	17.90	17.99	0.00	0.00	598	66	120	0	0	31,715	35,927	0	0	0	-8,889
147+00	14700.00	100.00	259.91	17.90	26.63	0.00	0.00	895	66	83	0	0	32,610	36,030	0	0	0	-8,164
148+00	14800.00	100.00	266.89	17.90	22.89	0.00	0.00	976	66	92	0	0	33,585	36,145	0	0	0	-7,369
149+00	14900.00	100.00	253.04	17.90	23.27	0.00	0.00	963	66	85	0	0	34,548	36,252	0	0	0	-6,580
150+00	15000.00	100.00	119.29	17.90	48.95	0.00	0.00	689	66	134	0	0	35,238	36,419	0	0	0	-6,124
151+00	15100.00	100.00	123.74	17.90	67.73	0.00	0.00	450	66	216	0	0	35,688	36,689	0	0	0	-6,010
152+00	15200.00	100.00	52.18	17.90	103.19	0.00	0.00	326	66	317	0	0	36,013	37,085	0	0	0	-6,146
152+25	15225.00	25.00	56.55	17.90	123.77	0.00	0.00	50	17	105	0	0	36,064	37,216	0	0	0	-6,244
153+00	15300.00	75.00	40.86	17.90	115.61	0.00	0.00	135	50	332	0	0	36,199	37,632	0	0	0	-6,574
154+00	15400.00	100.00	56.58	17.90	88.14	0.00	0.00	180	66	377	0	0	36,380	38,103	0	0	0	-6,931
155+00	15500.00	100.00	45.62	17.90	90.07	0.00	0.00	189	66	330	0	0	36,569	38,516	0	0	0	-7,221
156+00	15600.00	100.00	77.02	17.90	77.97	0.00	0.00	227	66	311	0	0	36,796	38,905	0	0	0	-7,449
157+00	15700.00	100.00	126.55	17.90	67.14	0.00	0.00	377	66	269	0	0	37,173	39,241	0	0	0	-7,474
158+00	15800.00	100.00	100.38	17.90	65.56	0.00	0.00	420	66	246	0	0	37,593	39,548	0	0	0	-7,428
159+00	15900.00	100.00	98.78	17.90	59.12	0.00	0.00	369	66	231	0	0	37,962	39,836	0	0	0	-7,414
160+00	16000.00	100.00	65.16	17.90	57.86	0.00	0.00	304	66	217	0	0	38,266	40,107	0	0	0	-7,447
161+00	16100.00	100.00	55.58	17.90	59.14	0.00	0.00	224	66	217	0	0	38,489	40,378	0	0	0	-7,561
162+00	16200.00	100.00	81.09	17.90	43.14	0.00	0.00	253	66	189	0	0	38,742	40,615	0	0	0	-7,611
163+00	16300.00	100.00	67.95	17.90	39.40	0.00	0.00	276	66	153	0	0	39,018	40,806	0	0	0	-7,592
163+50	16350.00	50.00	67.31	17.90	30.95	0.00	0.00	125	33	65	0	0	39,143	40,887	0	0	0	-7,582
164+00	16400.00	50.00	66.86	17.90	36.69	0.00	0.00	124	33	63	0	0	39,268	40,966	0	0	0	-7,569
165+00	16500.00	100.00	72.66	17.90	41.26	0.00	0.00	258	66	144	0	0	39,526	41,146	0	0	0	-7,557
166+00	16600.00	100.00	77.58	17.90	56.30	0.00	0.00	278	66	181	0	0	39,804	41,372	0	0	0	-7,571
167+00	16700.00	100.00	64.73	17.90	78.96	0.00	0.00	264	66	250	0	0	40,068	41,685	0	0	0	-7,687
167+75	16775.00	75.00	56.05	17.90	80.06	0.00	0.00	168	50	221	0	0	40,236	41,961	0	0	0	-7,845
168+00	16800.00	25.00	56.12	17.90	103.34	0.00	0.00	52	17	85	0	0	40,287	42,067	0	0	0	-7,916
169+00	16900.00	100.00	147.82	17.90	23.37	0.00	0.00	378	66	235	0	0	40,665	42,360	0	0	0	-7,898
170+00	17000.00	100.00	149.06	17.90	46.11	0.00	0.00	550	66	129	0	0	41,215	42,521	0	0	0	-7,575
171+00	17100.00	100.00	90.72	17.90	62.29	0.00	0.00	444	66	201	0	0	41,659	42,772	0	0	0	-7,448

STH 69 EARTHWORK SUMMARY (CONTINUED)

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/ Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
171+41.122	17141.12	41.12	105.31	17.90	53.05	0.00	0.00	149	27	88	0	0	41,808	42,882	0	0	0	-7,436
172+00	17200.00	58.88	164.42	17.90	52.49	0.00	0.00	294	39	115	0	0	42,102	43,026	0	0	0	-7,325
173+00	17300.00	100.00	234.73	17.90	52.50	0.00	0.00	739	66	194	0	0	42,841	43,269	0	0	0	-6,895
174+00	17400.00	100.00	255.58	17.90	63.96	0.00	0.00	908	66	216	0	0	43,749	43,538	0	0	0	-6,323
175+00	17500.00	100.00	234.32	17.90	106.74	0.00	0.00	907	66	316	0	0	44,657	43,934	0	0	0	-5,877
176+00	17600.00	100.00	39.66	17.90	147.70	0.00	0.00	507	66	471	0	0	45,164	44,523	0	0	0	-6,025
176+40	17640.00	40.00	33.63	17.90	205.66	0.00	0.00	54	27	262	0	0	45,218	44,850	0	0	0	-6,325
177+00	17700.00	60.00	8.61	17.90	181.82	0.00	0.00	47	40	431	0	0	45,265	45,388	0	0	0	-6,856
178+00	17800.00	100.00	66.50	17.90	194.48	0.00	0.00	139	66	697	0	0	45,404	46,259	0	0	0	-7,654
179+00	17900.00	100.00	61.83	17.90	218.27	0.00	517.89	238	66	764	0	0	45,642	47,214	0	0	0	-8,438
180+00	18000.00	100.00	109.79	17.90	245.51	0.00	498.81	318	66	859	0	1,883	45,960	46,405	0	2,448	1,506	-9,825
181+00	18100.00	100.00	164.09	17.90	224.89	0.00	520.70	507	66	871	0	1,888	46,467	45,606	0	4,902	3,017	-11,039
182+00	18200.00	100.00	208.92	17.90	211.99	0.00	555.03	691	66	809	0	1,992	47,158	44,625	0	7,492	4,610	-12,024
183+00	18300.00	100.00	44.91	17.90	348.79	0.00	525.28	470	66	1,038	0	2,001	47,628	43,923	0	10,092	6,211	-13,518
183+50	18350.00	50.00	75.63	17.90	356.12	0.00	304.17	112	33	653	0	768	47,739	43,971	0	11,091	6,825	-14,486
184+00	18400.00	50.00	28.25	17.90	391.35	0.00	83.05	96	33	692	0	359	47,836	44,477	0	11,557	7,112	-15,396
184+50	18450.00	50.00	72.54	17.90	236.50	0.00	108.59	93	33	581	0	177	47,929	45,027	0	11,788	7,254	-16,115
185+00	18500.00	50.00	82.25	17.90	257.06	0.00	0.00	143	33	457	0	101	48,072	45,497	0	11,918	7,334	-16,607
186+00	18600.00	100.00	18.22	17.90	220.34	0.00	1.76	186	66	884	0	3	48,258	46,599	0	11,923	7,337	-17,593
187+00	18700.00	100.00	21.34	17.90	288.04	0.00	55.00	73	66	941	0	105	48,332	47,671	0	12,059	7,421	-18,794
188+00	18800.00	100.00	22.51	17.90	275.79	0.00	97.96	81	66	1,044	0	283	48,413	48,693	0	12,427	7,648	-20,170
189+00	18900.00	100.00	0.28	17.90	275.43	0.00	110.34	42	66	1,021	0	386	48,455	49,583	0	12,929	7,956	-21,585
189+01.633	18901.63	1.63	0.73	17.90	274.93	0.00	110.62	0	1	17	0	7	48,455	49,597	0	12,938	7,962	-21,609
189+26.388	18926.39	24.75	0.32	17.90	246.08	0.00	115.12	0	16	239	0	103	48,455	49,792	0	13,072	8,044	-21,955
189+51.356	18951.36	24.97	2.20	17.90	225.75	0.00	116.92	1	17	218	0	107	48,457	49,957	0	13,212	8,130	-22,275
190+00	19000.00	48.64	4.28	17.90	223.90	0.00	116.87	6	32	405	0	211	48,462	50,253	0	13,485	8,299	-22,871
191+00	19100.00	100.00	5.40	17.90	147.28	0.00	60.41	18	66	687	0	328	48,480	50,784	0	13,912	8,561	-23,877
192+00	19200.00	100.00	11.34	17.90	102.87	0.00	59.17	31	66	463	0	221	48,511	51,142	0	14,200	8,739	-24,558
193+00	19300.00	100.00	13.78	17.90	144.40	0.00	40.27	47	66	458	0	184	48,558	51,530	0	14,440	8,886	-25,205
194+00	19400.00	100.00	26.05	17.90	123.15	0.00	40.04	74	66	495	0	149	48,632	52,000	0	14,633	9,005	-25,862
195+00	19500.00	100.00	50.25	17.90	91.35	0.00	32.98	141	66	397	0	135	48,773	52,362	0	14,809	9,113	-26,324
195+25	19525.00	25.00	85.33	17.90	89.38	0.00	0.00	63	17	84	0	0	48,836	52,466	0	14,809	9,113	-26,382
196+00	19600.00	75.00	112.26	17.90	78.46	0.00	0.00	274	50	233	0	0	49,110	52,758	0	14,809	9,113	-26,449
197+00	19700.00	100.00	215.38	17.90	81.92	0.00	0.00	607	66	297	0	0	49,717	53,129	0	14,809	9,113	-26,280
197+13	19713.00	13.00	221.73	17.90	135.67	0.00	0.00	105	9	52	0	0	49,822	53,194	0	14,809	9,113	-26,249
198+00	19800.00	87.00	156.32	17.90	86.47	0.00	0.00	609	58	358	0	0	50,431	53,642	0	14,809	9,113	-26,145
199+00	19900.00	100.00	120.09	17.90	61.40	0.00	0.00	512	66	274	0	0	50,943	53,984	0	14,809	9,113	-26,041
200+00	20000.00	100.00	94.11	17.90	57.24	0.00	0.00	397	66	220	0	0	51,340	54,259	0	14,809	9,113	-25,986
201+00	20100.00	100.00	102.95	17.90	51.36	0.00	0.00	365	66	201	0	0	51,705	54,510	0	14,809	9,113	-25,938
202+00	20200.00	100.00	84.63	17.90	53.86	0.00	0.00	347	66	195	0	0	52,052	54,754	0	14,809	9,113	-25,901
203+00	20300.00	100.00	282.04	17.90	35.62	0.00	0.00	679	66	166	0	0	52,731	54,961	0	14,809	9,113	-25,495
204+00	20400.00	100.00	386.62	17.90	2.00	268.89	0.00	740	66	70	498	0	53,471	54,363	548	14,809	9,113	-24,224
205+00	20500.00	100.00	625.26	17.90	0.00	379.46	0.00	673	66	4	1,201	0	54,145	52,717	1,868	14,809	9,113	-21,971
206+00	20600.00	100.00	745.97	17.90	0.00	7.76	0.00	1,822	66	0	717	0	55,967	51,731	2,657	14,809	9,113	-19,229
207+00	20700.00	100.00	550.69	17.90	0.00	1.29	0.00	2,384	66	0	17	0	58,351	51,708	2,676	14,809	9,113	-16,888
208+00	20800.00	100.00	330.06	17.90	0.00	0.00	0.00	1,629	66	0	2	0	59,980	51,705	2,678	14,809	9,113	-15,322
209+00	20900.00	100.00	193.09	17.90	1.09	0.00	0.00	969	66	2	0	0	60,949	51,707	2,678	14,809	9,113	-14,422
209+08.726	20908.73	8.73	191.27	17.90	1.87	0.00	0.00	62	6	0	0	0	61,011	51,708	2,678	14,809	9,113	-14,366
209+77.85	20977.85	69.12	151.27	17.90	17.22	0.00	0.00	438	46	24	0	0	61,449	51,738	2,678	14,809	9,113	-14,004
210+00	21000.00	22.15	150.36	17.90	22.28	0.00	0.00	124	15	16	0	0	61,573	51,759	2,678	14,809	9,113	-13,915
211+00	21100.00	100.00	119.68	17.90	21.08	0.00	0.00	500	66	80	0	0	62,073	51,859	2,678	14,809	9,113	-13,582
212+00	21200.00	100.00	115.01	17.90	15.25	0.00	0.00	435	66	67	0	0	62,508	51,943	2,678	14,809	9,113	-13,298
213+00	21300.00	100.00	154.57	17.90	3.04	0.00	0.00	499	66	34	0	0	63,007	51,985	2,678	14,809	9,113	-12,907
213+75	21375.00	75.00	400.29	17.90	0.00	0.00	0.00	771	50	4	0	0	63,778	51,991	2,678	14,809	9,113	-12,192
214+00	21400.00	25.00	300.75	17.90	2.54	0.00	0.00	325	17	1	0	0	64,102	51,992	2,678	14,809	9,113	-11,885
214+47.3	21447.30	47.30	213.64	17.90	0.00	0.00	0.00	451	31	2	0	0	64,553	51,995	2,678	14,809	9,113	-11,469

STH 69 EARTHWORK SUMMARY (CONTINUED)

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/ Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
215+00	21500.00	52.70	165.82	17.90	3.79	0.00	0.00	370	35	4	0	0	64,923	52,000	2,678	14,809	9,113	-11,138
216+00	21600.00	100.00	136.15	17.90	7.69	0.00	0.00	559	66	21	0	0	65,482	52,026	2,678	14,809	9,113	-10,672
216+50	21650.00	50.00	121.37	17.90	7.15	0.00	0.00	238	33	14	0	0	65,721	52,043	2,678	14,809	9,113	-10,483
217+00	21700.00	50.00	211.09	17.90	37.20	0.00	0.00	308	33	41	0	0	66,029	52,095	2,678	14,809	9,113	-10,260
218+00	21800.00	100.00	4.00	17.90	174.12	0.00	384.51	398	66	391	0	0	66,427	52,584	2,678	14,809	9,113	-10,417
219+00	21900.00	100.00	18.82	17.90	152.17	0.00	370.04	42	66	604	0	1,397	66,469	51,942	2,678	16,625	10,231	-11,616
220+00	22000.00	100.00	67.61	17.90	159.45	0.00	355.18	160	66	577	0	1,343	66,629	51,320	2,678	18,371	11,305	-12,646
221+00	22100.00	100.00	69.21	17.90	149.37	0.00	353.32	253	66	572	0	1,312	66,883	50,723	2,678	20,077	12,355	-13,568
221+25	22125.00	25.00	104.57	17.90	178.00	0.00	336.59	80	17	152	0	319	66,963	50,593	2,678	20,492	12,610	-13,789
222+00	22200.00	75.00	101.54	17.90	160.11	0.00	636.50	286	50	470	0	1,352	67,249	49,829	2,678	22,249	13,692	-14,545
223+00	22300.00	100.00	77.10	17.90	147.70	0.00	591.48	331	66	570	0	2,274	67,580	48,267	2,678	25,205	15,511	-15,675
224+00	22400.00	100.00	59.97	17.90	161.57	0.00	588.89	254	66	573	0	2,186	67,834	46,797	2,678	28,047	17,260	-16,859
225+00	22500.00	100.00	49.15	17.90	200.21	0.00	577.75	202	66	670	0	2,160	68,036	45,474	2,678	30,855	18,988	-18,209
226+00	22600.00	100.00	46.21	17.90	214.29	0.00	590.14	177	66	768	0	2,163	68,213	44,271	2,678	33,667	20,718	-19,707
227+00	22700.00	100.00	57.36	17.90	209.27	0.00	0.00	192	66	784	0	0	68,404	45,251	2,678	33,667	20,718	-20,562
228+00	22800.00	100.00	67.69	17.90	212.84	0.00	0.00	232	66	782	0	0	68,636	46,228	2,678	33,667	20,718	-21,374
229+00	22900.00	100.00	75.25	17.90	221.23	0.00	0.00	265	66	804	0	0	68,901	47,233	2,678	33,667	20,718	-22,180
230+00	23000.00	100.00	72.89	17.90	229.93	0.00	0.00	274	66	835	0	0	69,175	48,278	2,678	33,667	20,718	-23,017
231+00	23100.00	100.00	83.27	17.90	228.10	0.00	0.00	289	66	848	0	0	69,464	49,338	2,678	33,667	20,718	-23,854
232+00	23200.00	100.00	116.31	17.90	236.63	0.00	0.00	370	66	861	0	0	69,834	50,414	2,678	33,667	20,718	-24,627
233+00	23300.00	100.00	164.44	17.90	207.54	0.00	0.00	520	66	823	0	0	70,354	51,442	2,678	33,667	20,718	-25,201
234+00	23400.00	100.00	193.68	17.90	180.78	0.00	0.00	663	66	719	0	0	71,017	52,341	2,678	33,667	20,718	-25,503
235+00	23500.00	100.00	217.20	17.90	137.04	0.00	0.00	761	66	589	0	0	71,778	53,076	2,678	33,667	20,718	-25,544
236+00	23600.00	100.00	205.27	17.90	95.99	0.00	0.00	782	66	432	0	0	72,560	53,616	2,678	33,667	20,718	-25,368
237+00	23700.00	100.00	155.70	17.90	40.78	0.00	0.00	668	66	253	0	0	73,229	53,932	2,678	33,667	20,718	-25,082
238+00	23800.00	100.00	153.03	17.90	16.66	0.00	0.00	572	66	106	0	0	73,800	54,065	2,678	33,667	20,718	-24,710
239+00	23900.00	100.00	198.61	17.90	26.06	0.00	0.00	651	66	79	0	0	74,451	54,164	2,678	33,667	20,718	-24,224
240+00	24000.00	100.00	180.66	17.90	70.39	0.00	0.00	702	66	179	0	0	75,154	54,387	2,678	33,667	20,718	-23,811
241+00	24100.00	100.00	161.69	17.90	210.06	0.00	0.00	634	66	519	0	0	75,788	55,037	2,678	33,667	20,718	-23,893
241+50	24150.00	50.00	52.30	17.90	361.94	0.00	0.00	198	33	530	0	0	75,986	55,699	2,678	33,667	20,718	-24,390
242+00	24200.00	50.00	52.63	17.90	357.59	0.00	0.00	97	33	666	0	0	76,083	56,532	2,678	33,667	20,718	-25,158
243+00	24300.00	100.00	628.84	17.90	0.00	0.00	0.00	1,262	66	662	0	0	77,345	57,359	2,678	33,667	20,718	-24,790
244+00	24400.00	100.00	398.12	17.90	0.00	0.00	0.00	1,902	66	0	0	0	79,247	57,359	2,678	33,667	20,718	-22,955
245+00	24500.00	100.00	274.09	17.90	0.00	0.00	0.00	1,245	66	0	0	0	80,492	57,359	2,678	33,667	20,718	-21,776
246+00	24600.00	100.00	180.00	17.90	0.00	0.00	0.00	841	66	0	0	0	81,333	57,359	2,678	33,667	20,718	-21,002
247+00	24700.00	100.00	123.85	17.90	4.83	0.00	0.00	563	66	9	0	0	81,895	57,370	2,678	33,667	20,718	-20,517
248+00	24800.00	100.00	110.42	17.90	40.05	0.00	0.00	434	66	83	0	0	82,329	57,474	2,678	33,667	20,718	-20,253
249+00	24900.00	100.00	81.97	17.90	67.42	0.00	0.00	356	66	199	0	0	82,685	57,723	2,678	33,667	20,718	-20,212
250+00	25000.00	100.00	37.07	17.90	107.02	0.00	0.00	220	66	323	0	0	82,906	58,127	2,678	33,667	20,718	-20,462
250+25	25025.00	25.00	36.43	17.90	103.98	0.00	0.00	34	17	98	0	0	82,940	58,249	2,678	33,667	20,718	-20,566
251+00	25100.00	75.00	22.03	17.90	136.69	0.00	0.00	81	50	334	0	0	83,021	58,667	2,678	33,667	20,718	-20,953
252+00	25200.00	100.00	45.51	17.90	84.25	0.00	0.00	125	66	409	0	0	83,146	59,178	2,678	33,667	20,718	-21,405
253+00	25300.00	100.00	52.17	17.90	73.31	0.00	0.00	181	66	292	0	0	83,327	59,543	2,678	33,667	20,718	-21,655
254+00	25400.00	100.00	75.43	17.90	42.12	0.00	0.00	236	66	214	0	0	83,563	59,810	2,678	33,667	20,718	-21,753
255+00	25500.00	100.00	24.01	17.90	137.40	0.00	0.00	184	66	332	0	0	83,748	60,226	2,678	33,667	20,718	-22,050
256+00	25600.00	100.00	6.13	17.90	193.95	0.00	0.00	56	66	614	0	0	83,803	60,993	2,678	33,667	20,718	-22,828
257+00	25700.00	100.00	1.81	17.90	247.04	0.00	0.00	15	66	817	0	0	83,818	62,014	2,678	33,667	20,718	-23,900
257+25	25725.00	25.00	3.04	17.90	253.40	0.00	0.00	2	17	232	0	0	83,820	62,303	2,678	33,667	20,718	-24,204
257+75	25775.00	50.00	9.47	17.90	203.90	0.00	0.00	12	33	423	0	0	83,832	62,832	2,678	33,667	20,718	-24,755
258+00	25800.00	25.00	4.50	17.90	188.89	0.00	0.00	6	17	182	0	0	83,838	63,060	2,678	33,667	20,718	-24,992
259+00	25900.00	100.00	0.21	17.90	227.99	0.00	0.00	9	66	772	0	0	83,847	64,025	2,678	33,667	20,718	-26,015
260+00	26000.00	100.00	5.27	17.90	108.57	0.00	0.00	10	66	623	0	0	83,857	64,804	2,678	33,667	20,718	-26,850
261+00	26100.00	100.00	27.98	17.90	21.10	0.00	0.00	62	66	240	0	0	83,919	65,104	2,678	33,667	20,718	-27,155

STH 69 EARTHWORK SUMMARY (CONTINUED)

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/ Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
262+00	26200.00	100.00	71.70	17.90	16.66	0.00	0.00	185	66	70	0	0	84,103	65,191	2,678	33,667	20,718	-27,124
263+00	26300.00	100.00	52.02	17.90	60.94	0.00	0.00	229	66	144	0	0	84,332	65,371	2,678	33,667	20,718	-27,141
264+00	26400.00	100.00	51.91	17.90	128.03	0.00	0.00	192	66	350	0	0	84,525	65,808	2,678	33,667	20,718	-27,452
265+00	26500.00	100.00	64.28	17.90	97.70	0.00	0.00	215	66	418	0	0	84,740	66,331	2,678	33,667	20,718	-27,826
266+00	26600.00	100.00	130.72	17.90	20.73	0.00	0.00	361	66	219	0	0	85,101	66,605	2,678	33,667	20,718	-27,805
266+25	26625.00	25.00	131.64	17.90	24.71	0.00	0.00	121	17	21	0	0	85,223	66,631	2,678	33,667	20,718	-27,727
267+00	26700.00	75.00	122.97	17.90	27.88	0.00	0.00	354	50	73	0	0	85,576	66,723	2,678	33,667	20,718	-27,514
268+00	26800.00	100.00	49.12	17.90	77.06	0.00	0.00	319	66	194	0	0	85,895	66,966	2,678	33,667	20,718	-27,505
269+00	26900.00	100.00	30.17	17.90	110.43	0.00	0.00	147	66	347	0	0	86,042	67,400	2,678	33,667	20,718	-27,858
270+00	27000.00	100.00	32.90	17.90	91.18	0.00	0.00	117	66	373	0	0	86,159	67,866	2,678	33,667	20,718	-28,274
271+00	27100.00	100.00	214.60	17.90	87.71	0.00	0.00	458	66	331	0	0	86,617	68,280	2,678	33,667	20,718	-28,296
272+00	27200.00	100.00	227.29	17.90	5.93	0.00	0.00	818	66	173	0	0	87,435	68,497	2,678	33,667	20,718	-27,761
273+00	27300.00	100.00	81.54	17.90	88.16	0.00	0.00	572	66	174	0	0	88,007	68,715	2,678	33,667	20,718	-27,473
273+50	27350.00	50.00	183.42	17.90	12.31	0.00	0.00	245	33	93	0	0	88,253	68,831	2,678	33,667	20,718	-27,377
274+00	27400.00	50.00	237.01	17.90	31.58	0.00	0.00	389	33	41	0	0	88,642	68,882	2,678	33,667	20,718	-27,072
275+00	27500.00	100.00	158.40	17.90	30.63	0.00	0.00	732	66	115	0	0	89,374	69,026	2,678	33,667	20,718	-26,550
276+00	27600.00	100.00	233.43	17.90	32.01	0.00	0.00	726	66	116	0	0	90,100	69,171	2,678	33,667	20,718	-26,036
277+00	27700.00	100.00	262.37	17.90	9.67	0.00	0.00	918	66	77	0	0	91,018	69,268	2,678	33,667	20,718	-25,281
278+00	27800.00	100.00	251.39	17.90	33.61	0.00	0.00	951	66	80	0	0	91,969	69,368	2,678	33,667	20,718	-24,496
279+00	27900.00	100.00	0.00	17.90	0.00	0.00	0.00	466	66	62	0	0	92,435	69,446	2,678	33,667	20,718	-24,174
280+00	28000.00	100.00	105.12	17.90	50.57	0.00	0.00	195	66	94	0	0	92,629	69,563	2,678	33,667	20,718	-24,163
281+00	28100.00	100.00	136.05	17.90	28.23	0.00	0.00	447	66	146	0	0	93,076	69,745	2,678	33,667	20,718	-23,965
282+00	28200.00	100.00	193.98	17.90	112.28	0.00	0.00	611	66	260	0	0	93,687	70,070	2,678	33,667	20,718	-23,745
283+00	28300.00	100.00	185.39	17.90	109.72	0.00	0.00	703	66	411	0	0	94,390	70,584	2,678	33,667	20,718	-23,623
284+00	28400.00	100.00	209.59	17.90	198.14	0.00	0.00	731	66	570	0	0	95,121	71,297	2,678	33,667	20,718	-23,671
285+00	28500.00	100.00	386.89	17.90	256.38	0.00	0.00	1,105	66	842	0	0	96,226	72,349	2,678	33,667	20,718	-23,684
286+00	28600.00	100.00	449.71	17.90	277.25	0.00	0.00	1,549	66	988	0	0	97,775	73,584	2,678	33,667	20,718	-23,437
287+00	28700.00	100.00	367.22	17.90	382.94	0.00	0.00	1,513	66	1,223	0	0	99,288	75,112	2,678	33,667	20,718	-23,518
288+00	28800.00	100.00	26.73	17.90	1013.41	0.00	0.00	730	66	2,586	0	0	100,017	78,345	2,678	33,667	20,718	-26,088
289+00	28900.00	100.00	230.18	17.90	317.41	0.00	0.00	476	66	2,464	0	0	100,493	81,425	2,678	33,667	20,718	-28,759
290+00	29000.00	100.00	103.31	17.90	422.40	0.00	0.00	618	66	1,370	0	0	101,111	83,138	2,678	33,667	20,718	-29,920
290+55	29055.00	55.00	121.46	17.90	310.06	0.00	0.00	229	36	746	0	0	101,340	84,070	2,678	33,667	20,718	-30,660
291+00	29100.00	45.00	151.69	17.90	204.38	0.00	0.00	228	30	429	0	0	101,567	84,606	2,678	33,667	20,718	-30,998
292+00	29200.00	100.00	158.57	17.90	95.08	0.00	0.00	575	66	555	0	0	102,142	85,299	2,678	33,667	20,718	-31,183
293+00	29300.00	100.00	128.67	17.90	43.64	0.00	0.00	532	66	257	0	0	102,674	85,621	2,678	33,667	20,718	-31,039
294+00	29400.00	100.00	130.70	17.90	50.16	0.00	0.00	480	66	174	0	0	103,154	85,838	2,678	33,667	20,718	-30,842
295+00	29500.00	100.00	101.74	17.90	60.15	0.00	0.00	430	66	204	0	0	103,585	86,093	2,678	33,667	20,718	-30,733
296+00	29600.00	100.00	51.45	17.90	88.01	0.00	0.00	284	66	274	0	0	103,868	86,436	2,678	33,667	20,718	-30,858
297+00	29700.00	100.00	54.32	17.90	92.37	0.00	0.00	196	66	334	0	0	104,064	86,854	2,678	33,667	20,718	-31,146
298+00	29800.00	100.00	53.73	17.90	106.29	0.00	0.00	200	66	368	0	0	104,264	87,313	2,678	33,667	20,718	-31,473
299+00	29900.00	100.00	42.90	17.90	135.30	0.00	0.00	179	66	447	0	0	104,443	87,873	2,678	33,667	20,718	-31,919
300+00	30000.00	100.00	52.75	17.90	292.70	0.00	0.00	177	66	793	0	0	104,620	88,863	2,678	33,667	20,718	-32,799
301+00	30100.00	100.00	59.48	17.90	186.97	0.00	0.00	208	66	888	0	0	104,828	89,974	2,678	33,667	20,718	-33,768
302+00	30200.00	100.00	58.97	17.90	205.36	0.00	0.00	219	66	727	0	0	105,048	90,882	2,678	33,667	20,718	-34,523
303+00	30300.00	100.00	55.90	17.90	211.72	0.00	0.00	213	66	772	0	0	105,260	91,847	2,678	33,667	20,718	-35,342
304+00	30400.00	100.00	61.28	17.90	312.28	0.00	0.00	217	66	970	0	0	105,477	93,060	2,678	33,667	20,718	-36,404
305+00	30500.00	100.00	100.04	17.90	217.15	0.00	0.00	299	66	980	0	0	105,776	94,286	2,678	33,667	20,718	-37,397
306+00	30600.00	100.00	119.95	17.90	223.02	0.00	0.00	407	66	815	0	0	106,183	95,305	2,678	33,667	20,718	-38,075
307+00	30700.00	100.00	102.17	17.90	342.06	0.00	0.00	411	66	1,046	0	0	106,595	96,613	2,678	33,667	20,718	-39,038
308+00	30800.00	100.00	81.82	17.90	406.96	0.00	0.00	341	66	1,387	0	0	106,935	98,347	2,678	33,667	20,718	-40,498
309+00	30900.00	100.00	57.44	17.90	503.60	0.00	0.00	258	66	1,686	0	0	107,193	100,454	2,678	33,667	20,718	-42,414
309+46.226	30946.23	46.23	49.96	17.90	474.14	0.00	0.00	92	31	837	0	0	107,285	101,501	2,678	33,667	20,718	-43,399
310+00	31000.00	53.77	49.40	17.90	485.41	0.00	0.00	99	36	956	0	0	107,384	102,695	2,678	33,667	20,718	-44,530

STH 69 EARTHWORK SUMMARY (CONTINUED)

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/ Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
311+00	31100.00	100.00	33.59	17.90	548.36	0.00	0.00	154	66	1,914	0	0	107,538	105,088	2,678	33,667	20,718	-46,836
312+00	31200.00	100.00	30.23	17.90	616.94	0.00	0.00	118	66	2,158	0	0	107,656	107,785	2,678	33,667	20,718	-49,481
313+00	31300.00	100.00	26.57	17.90	554.66	0.00	0.00	105	66	2,170	0	0	107,761	110,498	2,678	33,667	20,718	-52,154
313+25	31325.00	25.00	32.86	17.90	544.50	0.00	0.00	28	17	509	0	0	107,789	111,134	2,678	33,667	20,718	-52,779
314+00	31400.00	75.00	63.16	17.90	439.19	0.00	0.00	133	50	1,366	0	0	107,922	112,841	2,678	33,667	20,718	-54,404
314+25	31425.00	25.00	93.32	17.90	427.96	0.00	0.00	72	17	401	0	0	107,995	113,343	2,678	33,667	20,718	-54,850
315+00	31500.00	75.00	478.34	17.90	428.89	0.00	0.00	794	50	1,190	0	0	108,789	114,831	2,678	33,667	20,718	-55,593
316+00	31600.00	100.00	113.88	17.90	89.51	0.00	0.00	1,097	66	960	0	0	109,885	116,031	2,678	33,667	20,718	-55,763
317+00	31700.00	100.00	178.96	17.90	25.08	0.00	0.00	542	66	212	0	0	110,427	116,296	2,678	33,667	20,718	-55,552
318+00	31800.00	100.00	230.50	17.90	31.27	0.00	0.00	758	66	104	0	0	111,186	116,427	2,678	33,667	20,718	-54,990
318+50	31850.00	50.00	64.22	17.90	38.14	0.00	0.00	273	33	64	0	0	111,459	116,507	2,678	33,667	20,718	-54,831
319+00	31900.00	50.00	86.86	17.90	70.10	0.00	0.00	140	33	100	0	0	111,599	116,632	2,678	33,667	20,718	-54,850
320+00	32000.00	100.00	146.65	17.90	54.57	0.00	0.00	432	66	231	0	0	112,031	116,921	2,678	33,667	20,718	-54,772
320+50	32050.00	50.00	87.49	17.90	85.18	0.00	0.00	217	33	129	0	0	112,248	117,082	2,678	33,667	20,718	-54,750
320+75	32075.00	25.00	101.80	17.90	90.55	0.00	0.00	88	17	81	0	0	112,335	117,184	2,678	33,667	20,718	-54,781
321+00	32100.00	25.00	41.60	17.90	92.78	0.00	0.00	66	17	85	0	0	112,402	117,290	2,678	33,667	20,718	-54,837
322+00	32200.00	100.00	8.97	17.90	136.86	0.00	0.00	94	66	425	0	0	112,495	117,822	2,678	33,667	20,718	-55,341
323+00	32300.00	100.00	26.91	17.90	95.38	0.00	0.00	66	66	430	0	0	112,562	118,359	2,678	33,667	20,718	-55,879
324+00	32400.00	100.00	47.18	17.90	82.41	0.00	0.00	137	66	329	0	0	112,699	118,771	2,678	33,667	20,718	-56,219
325+00	32500.00	100.00	51.66	17.90	97.62	0.00	0.00	183	66	333	0	0	112,882	119,188	2,678	33,667	20,718	-56,519
326+00	32600.00	100.00	33.84	17.90	140.33	0.00	0.00	158	66	441	0	0	113,040	119,739	2,678	33,667	20,718	-56,978
326+25	32625.00	25.00	39.47	17.90	125.66	0.00	0.00	34	17	123	0	0	113,074	119,892	2,678	33,667	20,718	-57,115
327+00	32700.00	75.00	34.36	17.90	89.77	0.00	0.00	103	50	299	0	0	113,177	120,266	2,678	33,667	20,718	-57,436
328+00	32800.00	100.00	63.78	17.90	44.79	0.00	0.00	182	66	249	0	0	113,359	120,578	2,678	33,667	20,718	-57,632
329+00	32900.00	100.00	123.03	17.90	14.08	0.00	0.00	346	66	109	0	0	113,705	120,714	2,678	33,667	20,718	-57,489
329+35	32935.00	35.00	160.61	17.90	9.34	0.00	0.00	184	23	15	0	0	113,888	120,733	2,678	33,667	20,718	-57,347
330+00	33000.00	65.00	107.61	17.90	18.34	0.00	0.00	323	43	33	0	0	114,211	120,775	2,678	33,667	20,718	-57,109
331+00	33100.00	100.00	63.44	17.90	50.93	0.00	0.00	317	66	128	0	0	114,528	120,935	2,678	33,667	20,718	-57,019
332+00	33200.00	100.00	40.98	17.90	107.06	0.00	0.00	193	66	293	0	0	114,721	121,301	2,678	33,667	20,718	-57,257
333+00	33300.00	100.00	109.60	17.90	124.03	0.00	0.00	279	66	428	0	0	115,000	121,836	2,678	33,667	20,718	-57,580
333+52.763	33352.76	0.00	79.66	17.90	239.94	0.00	0.00	0	0	0	0	0	115,000	121,836	2,678	33,667	20,718	-57,580
334+00	33400.00	47.24	35.12	17.90	63.60	0.00	0.00	100	31	266	0	0	115,101	122,168	2,678	33,667	20,718	-57,843
335+00	33500.00	100.00	124.64	17.90	7.17	0.00	0.00	296	66	131	0	0	115,397	122,332	2,678	33,667	20,718	-57,777
336+00	33600.00	100.00	185.31	17.90	0.28	0.00	0.00	574	66	14	0	0	115,971	122,349	2,678	33,667	20,718	-57,286
337+00	33700.00	100.00	202.47	17.90	0.39	0.00	0.00	718	66	1	0	0	116,689	122,350	2,678	33,667	20,718	-56,636
338+00	33800.00	100.00	208.43	17.90	11.75	0.00	0.00	761	66	22	0	0	117,450	122,379	2,678	33,667	20,718	-55,970
339+00	33900.00	100.00	99.86	17.90	43.96	0.00	0.00	571	66	103	0	0	118,021	122,507	2,678	33,667	20,718	-55,594
340+00	34000.00	100.00	46.70	17.90	107.04	0.00	0.00	271	66	280	0	0	118,292	122,857	2,678	33,667	20,718	-55,738
341+00	34100.00	100.00	63.51	17.90	101.46	0.00	0.00	204	66	386	0	0	118,496	123,340	2,678	33,667	20,718	-56,083
342+00	34200.00	100.00	81.86	17.90	77.64	0.00	0.00	269	66	332	0	0	118,765	123,754	2,678	33,667	20,718	-56,295
343+00	34300.00	100.00	84.01	17.90	124.75	0.00	0.00	307	66	375	0	0	119,072	124,223	2,678	33,667	20,718	-56,523
344+00	34400.00	100.00	0.90	17.90	294.07	0.00	0.00	157	66	776	0	0	119,230	125,192	2,678	33,667	20,718	-57,401
345+00	34500.00	100.00	3.05	17.90	170.40	0.00	0.00	7	66	860	0	0	119,237	126,267	2,678	33,667	20,718	-58,535
346+00	34600.00	100.00	2.13	17.90	209.73	0.00	0.00	10	66	704	0	0	119,247	127,147	2,678	33,667	20,718	-59,472
347+00	34700.00	100.00	24.73	17.90	189.07	0.00	0.00	50	66	739	0	0	119,296	128,070	2,678	33,667	20,718	-60,412
348+00	34800.00	100.00	46.47	17.90	129.54	0.00	0.00	132	66	590	0	0	119,428	128,808	2,678	33,667	20,718	-61,084
349+00	34900.00	100.00	39.97	17.90	130.04	0.00	0.00	160	66	481	0	0	119,588	129,409	2,678	33,667	20,718	-61,591
350+00	35000.00	100.00	56.71	17.90	117.27	0.00	0.00	179	66	458	0	0	119,767	129,981	2,678	33,667	20,718	-62,050
351+00	35100.00	100.00	163.62	17.90	28.92	0.00	0.00	408	66	271	0	0	120,175	130,320	2,678	33,667	20,718	-62,047
352+00	35200.00	100.00	361.46	17.90	0.00	257.22	0.00	496	66	54	476	0	120,671	129,732	3,202	33,667	20,718	-61,029
353+00	35300.00	100.00	545.08	17.90	22.89	433.64	0.00	399	66	42	1,279	0	121,071	128,025	4,610	33,667	20,718	-58,990
354+00	35400.00	100.00	1011.38	17.90	19.95	749.63	0.00	691	66	79	2,191	0	121,762	125,112	7,020	33,667	20,718	-55,452
355+00	35500.00	100.00	1171.00	17.90	25.52	939.87	0.00	913	66	84	3,129	0	122,675	120,915	10,462	33,667	20,718	-50,408
356+00	35600.00	100.00	735.60	17.90	0.27	0.00	0.00	1,790	66	48	1,741	0	124,465	118,581	12,376	33,667	20,718	-46,351
357+00	35700.00	100.00	526.64	17.90	400.69	0.00	1257.62	2,337	66	743	0	0	126,802	119,510	12,376	33,667	20,718	-45,008
358+00	35800.00	100.00	252.31	17.90	987.30	0.00	565.32	1,443	66	2,570	0	3,376	128,245	119,347	12,376	38,055	23,419	-47,857
359+00	35900.00	100.00	240.71	17.90	938.14	0.00	474.13	913	66	3,566	0	1,925	129,158	121,879	12,376	40,558	24,959	-52,045
360+00	36000.00	100.00	226.31	17.90	754.37	0.00	467.56	865	66	3,134	0	1,744	130,023	124,053	12,376	42,825	26,354	-55,688
361+00	36100.00	100.00	218.74	17.90	631.93	0.00	463.53	824	66	2,567	0	1,724	130,847	125,538	12,376	45,066	27,733	-58,656

STH 69 EARTHWORK SUMMARY (CONTINUED)

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/ Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
362+00	36200.00	100.00	273.33	17.90	578.03	0.00	468.59	911	66	2,241	0	1,726	131,758	126,612	12,376	47,310	29,114	-61,130
362+34.014	36234.01	34.01	288.50	17.90	572.65	0.00	427.15	354	23	725	0	564	132,112	126,954	12,376	48,044	29,565	-61,874
362+75	36275.00	40.99	238.83	17.90	562.40	0.00	501.23	400	27	861	0	705	132,512	127,326	12,376	48,960	30,129	-62,789
363+00	36300.00	25.00	279.03	17.90	580.45	0.00	490.78	240	17	529	0	459	132,752	127,528	12,376	49,557	30,497	-63,365
364+00	36400.00	100.00	416.76	17.90	508.16	0.00	503.59	1,289	66	2,016	0	1,841	134,040	128,207	12,376	51,951	31,970	-65,215
365+00	36500.00	100.00	383.72	17.90	472.88	0.00	539.84	1,482	66	1,817	0	1,932	135,523	128,546	12,376	54,463	33,516	-66,650
365+50	36550.00	50.00	377.74	17.90	473.17	0.00	541.19	705	33	876	0	1,001	136,228	128,640	12,376	55,764	34,316	-67,373
366+00	36600.00	50.00	343.07	17.90	465.26	0.00	544.82	667	33	869	0	1,006	136,895	128,720	12,376	57,071	35,121	-68,127
367+00	36700.00	100.00	266.99	17.90	420.13	0.00	575.12	1,130	66	1,640	0	2,074	138,025	128,696	12,376	59,767	36,780	-69,735
368+00	36800.00	100.00	257.73	17.90	408.13	0.00	605.26	972	66	1,534	0	2,186	138,997	128,427	12,376	62,609	38,529	-71,403
369+00	36900.00	100.00	329.55	17.90	313.80	0.00	621.65	1,088	66	1,337	0	2,272	140,084	127,826	12,376	65,563	40,346	-72,734
370+00	37000.00	100.00	315.94	17.90	282.38	0.00	696.34	1,195	66	1,104	0	2,441	141,280	126,766	12,376	68,736	42,299	-73,717
371+00	37100.00	100.00	175.20	17.90	232.34	0.00	0.00	910	66	953	0	0	142,189	127,957	12,376	68,736	42,299	-74,066
372+00	37200.00	100.00	54.82	17.90	227.83	0.00	0.00	426	66	852	0	0	142,615	129,022	12,376	68,736	42,299	-74,771
373+00	37300.00	100.00	35.10	17.90	197.01	0.00	0.00	167	66	787	0	0	142,782	130,006	12,376	68,736	42,299	-75,654
374+00	37400.00	100.00	34.28	17.90	198.77	0.00	0.00	128	66	733	0	0	142,910	130,922	12,376	68,736	42,299	-76,508
375+00	37500.00	100.00	28.23	17.90	152.46	0.00	0.00	116	66	650	0	0	143,026	131,735	12,376	68,736	42,299	-77,272
376+00	37600.00	100.00	9.31	17.90	143.07	0.00	0.00	70	66	547	0	0	143,095	132,419	12,376	68,736	42,299	-77,953
377+00	37700.00	100.00	11.44	17.90	132.84	0.00	0.00	38	66	511	0	0	143,134	133,058	12,376	68,736	42,299	-78,619
378+00	37800.00	100.00	7.27	17.90	113.10	0.00	0.00	35	66	455	0	0	143,168	133,627	12,376	68,736	42,299	-79,220
379+00	37900.00	100.00	9.08	17.90	92.84	0.00	0.00	30	66	381	0	0	143,199	134,104	12,376	68,736	42,299	-79,733
380+00	38000.00	100.00	26.58	17.90	84.01	0.00	0.00	66	66	328	0	0	143,265	134,513	12,376	68,736	42,299	-80,143
381+00	38100.00	100.00	52.43	17.90	82.59	0.00	0.00	146	66	309	0	0	143,411	134,899	12,376	68,736	42,299	-80,448
382+00	38200.00	100.00	69.70	17.90	84.01	0.00	0.00	226	66	309	0	0	143,637	135,284	12,376	68,736	42,299	-80,674
383+00	38300.00	100.00	51.86	17.90	111.47	0.00	0.00	225	66	362	0	0	143,862	135,737	12,376	68,736	42,299	-80,968
384+00	38400.00	100.00	62.03	17.90	114.93	0.00	0.00	211	66	419	0	0	144,073	136,261	12,376	68,736	42,299	-81,347
385+00	38500.00	100.00	80.88	17.90	98.95	0.00	0.00	265	66	396	0	0	144,338	136,756	12,376	68,736	42,299	-81,644
385+84.387	38584.39	84.39	93.81	17.90	132.95	0.00	0.00	273	56	362	0	0	144,611	137,209	12,376	68,736	42,299	-81,880
386+00	38600.00	15.61	103.49	17.90	110.39	0.00	0.00	57	10	70	0	0	144,668	137,297	12,376	68,736	42,299	-81,921
386+09.933	38609.93	9.93	115.78	17.90	97.35	0.00	0.00	40	7	38	0	0	144,708	137,345	12,376	68,736	42,299	-81,935
386+21.379	38621.38	11.45	131.29	17.90	79.22	0.00	0.00	52	8	37	0	0	144,761	137,391	12,376	68,736	42,299	-81,937
386+34.357	38634.36	12.98	129.85	17.90	51.01	0.00	0.00	63	9	31	0	0	144,823	137,430	12,376	68,736	42,299	-81,922
386+46.398	38646.40	12.04	134.27	17.90	30.35	0.00	0.00	59	8	18	0	0	144,882	137,453	12,376	68,736	42,299	-81,894
386+71.313	38671.31	24.92	147.51	17.90	13.37	0.00	0.00	130	17	20	0	0	145,012	137,478	12,376	68,736	42,299	-81,806
387+00	38700.00	28.69	143.64	17.90	8.54	0.00	0.00	155	19	12	0	0	145,167	137,493	12,376	68,736	42,299	-81,685
388+00	38800.00	100.00	0.00	17.90	0.00	0.00	0.00	266	66	16	0	0	145,433	137,513	12,376	68,736	42,299	-81,505
389+00	38900.00	100.00	0.00	17.90	0.00	0.00	0.00	0	66	0	0	0	145,433	137,513	12,376	68,736	42,299	-81,571
390+00	39000.00	100.00	170.35	17.90	12.72	0.00	0.00	315	66	24	0	0	145,748	137,542	12,376	68,736	42,299	-81,351
390+33.576	39033.58	33.58	220.20	17.90	2.85	0.00	0.00	243	22	10	0	0	145,991	137,554	12,376	68,736	42,299	-81,143
390+58.492	39058.49	24.92	201.80	17.90	10.99	0.00	0.00	195	17	6	0	0	146,186	137,562	12,376	68,736	42,299	-80,973
390+70.652	39070.65	12.16	200.02	17.90	25.46	0.00	0.00	90	8	8	0	0	146,276	137,572	12,376	68,736	42,299	-80,901
390+83.549	39083.55	12.90	197.62	17.90	37.94	0.00	0.00	95	9	15	0	0	146,371	137,591	12,376	68,736	42,299	-80,833
390+95.292	39095.29	11.74	193.77	17.90	40.23	0.00	0.00	85	8	17	0	0	146,457	137,613	12,376	68,736	42,299	-80,777
391+00	39100.00	4.71	193.54	17.90	38.99	0.00	0.00	34	3	7	0	0	146,490	137,621	12,376	68,736	42,299	-80,755
391+20.584	39120.58	20.58	171.93	17.90	31.63	0.00	0.00	139	14	27	0	0	146,630	137,655	12,376	68,736	42,299	-80,663
392+00	39200.00	79.42	178.44	17.90	25.09	0.00	0.00	515	53	83	0	0	147,145	137,759	12,376	68,736	42,299	-80,305
393+00	39300.00	100.00	135.48	17.90	107.19	0.00	0.00	581	66	245	0	0	147,726	138,065	12,376	68,736	42,299	-80,096

STH 69 EARTHWORK SUMMARY (CONTINUED)

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/ Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
394+00	39400.00	100.00	117.00	17.90	146.23	0.00	0.00	468	66	469	0	0	148,194	138,652	12,376	68,736	42,299	-80,281
395+00	39500.00	100.00	270.53	17.90	159.47	0.00	0.00	718	66	566	0	0	148,911	139,360	12,376	68,736	42,299	-80,338
395+75	39575.00	75.00	21.30	17.90	184.39	0.00	0.00	405	50	478	0	0	149,317	139,957	12,376	68,736	42,299	-80,579
396+00	39600.00	25.00	16.16	17.90	364.83	0.00	0.00	17	17	254	0	0	149,334	140,275	12,376	68,736	42,299	-80,896
397+00	39700.00	100.00	74.06	17.90	207.70	0.00	0.00	167	66	1,060	0	0	149,501	141,600	12,376	68,736	42,299	-82,121
398+00	39800.00	100.00	153.08	17.90	329.42	0.00	0.00	421	66	995	0	0	149,922	142,843	12,376	68,736	42,299	-83,010
399+00	39900.00	100.00	194.23	17.90	387.05	0.00	0.00	643	66	1,327	0	0	150,565	144,502	12,376	68,736	42,299	-84,091
400+00	40000.00	100.00	231.14	17.90	341.60	0.00	0.00	788	66	1,349	0	0	151,353	146,188	12,376	68,736	42,299	-85,057
401+00	40100.00	100.00	110.13	17.90	388.80	0.00	0.00	632	66	1,353	0	0	151,985	147,879	12,376	68,736	42,299	-86,182
401+25	40125.00	25.00	47.05	17.90	405.92	0.00	0.00	73	17	368	0	0	152,057	148,339	12,376	68,736	42,299	-86,585
402+00	40200.00	75.00	140.58	17.90	286.04	0.00	0.00	261	50	961	0	0	152,318	149,540	12,376	68,736	42,299	-87,576
403+00	40300.00	100.00	216.61	17.90	158.01	0.00	0.38	661	66	822	0	1	152,979	150,568	12,376	68,736	42,299	-88,008
404+00	40400.00	100.00	185.98	17.90	114.69	0.00	3.12	746	66	505	0	6	153,725	151,192	12,376	68,736	42,305	-87,953
404+75	40475.00	75.00	110.32	17.90	117.73	0.00	0.00	412	50	323	0	4	154,137	151,591	12,376	68,736	42,308	-87,991
405+00	40500.00	25.00	99.42	17.90	109.78	0.00	0.00	97	17	105	0	0	154,234	151,723	12,376	68,736	42,308	-88,042
406+00	40600.00	100.00	29.95	17.90	41.54	0.00	12.95	240	66	280	0	24	154,473	152,049	12,376	68,736	42,327	-88,195
407+00	40700.00	100.00	90.03	17.90	46.58	0.00	35.18	222	66	163	0	89	154,695	152,164	12,376	68,736	42,399	-88,154
408+00	40800.00	100.00	112.47	17.90	32.80	0.00	19.59	375	66	147	0	101	155,070	152,247	12,376	68,736	42,480	-87,928
409+00	40900.00	100.00	135.21	17.90	18.56	0.00	11.22	459	66	95	0	57	155,529	152,308	12,376	68,736	42,525	-87,597
410+00	41000.00	100.00	165.06	17.90	42.86	0.00	4.25	556	66	114	0	29	156,085	152,422	12,376	68,736	42,548	-87,221
411+00	41100.00	100.00	179.09	17.90	75.97	0.00	0.00	637	66	220	0	8	156,722	152,689	12,376	68,736	42,555	-86,917
412+00	41200.00	100.00	186.72	17.90	120.48	0.00	0.13	677	66	364	0	0	157,400	153,144	12,376	68,736	42,555	-86,760
413+00	41300.00	100.00	215.88	17.90	159.22	0.00	0.00	746	66	518	0	0	158,145	153,791	12,376	68,736	42,555	-86,728
413+75	41375.00	75.00	89.11	17.90	236.95	0.00	0.00	424	50	550	0	0	158,569	154,479	12,376	68,736	42,555	-87,042
414+00	41400.00	25.00	203.28	17.90	203.17	0.00	0.00	135	17	204	0	0	158,704	154,733	12,376	68,736	42,555	-87,178
415+00	41500.00	100.00	192.08	17.90	221.61	0.00	0.00	732	66	787	0	0	159,436	155,717	12,376	68,736	42,555	-87,496
416+00	41600.00	100.00	183.17	17.90	227.71	0.00	0.00	695	66	832	0	0	160,131	156,757	12,376	68,736	42,555	-87,907
416+77.255	41677.26	77.26	62.18	17.90	329.75	0.00	0.00	351	51	798	0	0	160,482	157,754	12,376	68,736	42,555	-88,604
417+00	41700.00	22.74	140.75	17.90	276.07	0.00	0.00	85	15	255	0	0	160,568	158,073	12,376	68,736	42,555	-88,853
417+25	41725.00	25.00	166.68	17.90	267.78	0.00	0.00	142	17	252	0	0	160,710	158,387	12,376	68,736	42,555	-89,042
418+00	41800.00	75.00	202.86	17.90	247.58	0.00	0.00	513	50	716	0	0	161,223	159,282	12,376	68,736	42,555	-89,473
419+00	41900.00	100.00	221.85	17.90	193.11	0.00	0.00	786	66	816	0	0	162,010	160,302	12,376	68,736	42,555	-89,773
420+00	42000.00	100.00	180.64	17.90	131.98	0.00	0.00	745	66	602	0	0	162,755	161,055	12,376	68,736	42,555	-89,847
421+00	42100.00	100.00	159.72	17.90	111.30	0.00	1.81	630	66	451	0	3	163,386	161,615	12,376	68,736	42,558	-89,842
422+00	42200.00	100.00	98.89	17.90	32.09	0.00	12.43	479	66	266	0	26	163,864	161,920	12,376	68,736	42,579	-89,735
423+00	42300.00	100.00	86.01	17.90	10.84	0.00	37.41	342	66	80	0	92	164,207	161,927	12,376	68,736	42,653	-89,466
424+00	42400.00	100.00	113.85	17.90	21.74	0.00	50.02	370	66	60	0	162	164,577	161,841	12,376	68,736	42,782	-89,076
425+00	42500.00	100.00	100.71	17.90	48.55	0.00	0.00	397	66	130	0	93	164,974	161,911	12,376	68,736	42,856	-88,815
425+75	42575.00	75.00	100.20	17.90	24.83	0.00	0.00	279	50	102	0	0	165,253	162,038	12,376	68,736	42,856	-88,713
426+00	42600.00	25.00	171.33	17.90	67.54	0.00	0.00	126	17	43	0	0	165,379	162,092	12,376	68,736	42,856	-88,657
426+33.552	42633.55	33.55	172.37	17.90	33.01	0.00	0.00	214	22	62	0	0	165,593	162,170	12,376	68,736	42,856	-88,544
427+00	42700.00	66.45	84.17	17.90	25.00	0.00	0.00	316	44	71	0	0	165,908	162,259	12,376	68,736	42,856	-88,362
428+00	42800.00	100.00	88.71	17.90	17.81	0.00	0.00	320	66	79	0	0	166,228	162,358	12,376	68,736	42,856	-88,207
429+00	42900.00	100.00	76.86	17.90	23.71	0.00	0.00	307	66	77	0	0	166,535	162,454	12,376	68,736	42,856	-88,063
430+00	43000.00	100.00	61.84	17.90	21.03	0.00	0.00	257	66	83	0	0	166,792	162,558	12,376	68,736	42,856	-87,976
431+00	43100.00	100.00	35.43	17.90	46.14	0.00	0.00	180	66	124	0	0	166,972	162,713	12,376	68,736	42,856	-88,018
432+00	43200.00	100.00	20.61	17.90	72.34	0.00	0.00	104	66	219	0	0	167,076	162,987	12,376	68,736	42,856	-88,254
433+00	43300.00	100.00	24.17	17.90	73.88	0.00	0.00	83	66	271	0	0	167,159	163,326	12,376	68,736	42,856	-88,576
434+00	43400.00	100.00	20.12	17.90	74.30	0.00	0.00	82	66	274	0	0	167,241	163,669	12,376	68,736	42,856	-88,904
435+00	43500.00	100.00	22.34	17.90	84.55	0.00	0.00	79	66	294	0	0	167,319	164,037	12,376	68,736	42,856	-89,259
436+00	43600.00	100.00	29.19	17.90	91.15	0.00	0.00	95	66	325	0	0	167,415	164,443	12,376	68,736	42,856	-89,637
437+00	43700.00	100.00	28.09	17.90	108.98	0.00	0.00	106	66	371	0	0	167,521	164,907	12,376	68,736	42,856	-90,060
438+00	43800.00	100.00	28.12	17.90	124.48	0.00	0.00	104	66	432	0	0	167,625	165,447	12,376	68,736	42,856	-90,563

STH 69 EARTHWORK SUMMARY (CONTINUED)

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/ Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
439+00	43900.00	100.00	60.63	17.90	98.22	0.00	0.00	164	66	412	0	0	167,789	165,962	12,376	68,736	42,856	-90,980
440+00	44000.00	100.00	49.72	17.90	74.68	0.00	0.00	204	66	320	0	0	167,994	166,363	12,376	68,736	42,856	-91,242
440+58.905	44058.90	58.90	130.16	17.90	1.80	0.00	0.00	196	39	83	0	0	168,190	166,467	12,376	68,736	42,856	-91,189
441+00	44100.00	41.10	94.45	17.90	81.36	0.00	0.00	171	27	63	0	0	168,361	166,546	12,376	68,736	42,856	-91,125
442+00	44200.00	100.00	17.59	17.90	82.47	0.00	0.00	207	66	303	0	0	168,568	166,925	12,376	68,736	42,856	-91,363
442+80.633	44280.63	80.63	83.53	17.90	54.99	0.00	0.00	151	53	205	0	0	168,719	167,182	12,376	68,736	42,856	-91,522
443+00	44300.00	19.37	100.02	17.90	47.67	0.00	0.00	66	13	37	0	0	168,785	167,228	12,376	68,736	42,856	-91,515
443+05.882	44305.88	5.88	103.20	17.90	45.33	0.00	0.00	22	4	10	0	0	168,807	167,241	12,376	68,736	42,856	-91,509
443+30.604	44330.60	24.72	156.46	17.90	35.63	0.00	0.00	119	16	37	0	0	168,926	167,287	12,376	68,736	42,856	-91,453
444+00	44400.00	69.40	55.92	17.90	5.78	0.00	0.00	273	46	53	0	0	169,199	167,353	12,376	68,736	42,856	-91,293
444+50	44450.00	50.00	44.62	17.90	20.34	0.00	0.00	93	33	24	0	0	169,292	167,384	12,376	68,736	42,856	-91,263
445+00	44500.00	50.00	53.43	17.90	14.77	0.00	0.00	91	33	33	0	0	169,383	167,424	12,376	68,736	42,856	-91,246
446+00	44600.00	100.00	70.57	17.90	11.59	0.00	0.00	230	66	49	0	0	169,613	167,485	12,376	68,736	42,856	-91,144
446+25	44625.00	25.00	72.39	17.90	12.24	0.00	0.00	66	17	11	0	0	169,679	167,499	12,376	68,736	42,856	-91,108
446+50	44650.00	25.00	75.00	17.90	13.88	0.00	0.00	68	17	12	0	0	169,747	167,514	12,376	68,736	42,856	-91,072
446+75	44675.00	25.00	77.31	17.90	16.59	0.00	0.00	71	17	14	0	0	169,817	167,532	12,376	68,736	42,856	-91,035
447+00	44700.00	25.00	85.15	17.90	18.36	0.00	0.00	75	17	16	0	0	169,893	167,552	12,376	68,736	42,856	-90,997
448+00	44800.00	100.00	0.00	17.90	0.00	0.00	0.00	158	66	34	0	0	170,050	167,595	12,376	68,736	42,856	-90,948
449+00	44900.00	100.00	116.70	17.90	140.70	0.00	0.00	216	66	261	0	0	170,266	167,920	12,376	68,736	42,856	-91,124
450+00	45000.00	100.00	112.96	17.90	113.09	0.00	0.00	425	66	470	0	0	170,692	168,508	12,376	68,736	42,856	-91,352
451+00	45100.00	100.00	118.72	17.90	65.10	0.00	0.00	429	66	330	0	0	171,121	168,920	12,376	68,736	42,856	-91,402
452+00	45200.00	100.00	187.30	17.90	0.00	0.00	0.00	567	66	121	0	0	171,688	169,071	12,376	68,736	42,856	-91,052
453+00	45300.00	100.00	121.41	17.90	33.47	0.00	0.00	572	66	62	0	0	172,259	169,148	12,376	68,736	42,856	-90,624
454+00	45400.00	100.00	141.76	17.90	24.96	0.00	0.00	487	66	108	0	0	172,747	169,284	12,376	68,736	42,856	-90,339
455+00	45500.00	100.00	146.44	17.90	21.52	0.00	0.00	534	66	86	0	0	173,280	169,391	12,376	68,736	42,856	-89,979
456+00	45600.00	100.00	150.96	17.90	14.59	0.00	0.00	551	66	67	0	0	173,831	169,475	12,376	68,736	42,856	-89,578
457+00	45700.00	100.00	143.24	17.90	12.50	0.00	0.00	545	66	50	0	0	174,376	169,538	12,376	68,736	42,856	-89,162
458+00	45800.00	100.00	124.08	17.90	13.21	0.00	0.00	495	66	48	0	0	174,871	169,597	12,376	68,736	42,856	-88,793
												STH 69 Total	174,871	169,597	12,376	68,736	42,856	

GEHIN RD EARTHWORK SUMMARY

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/ Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
48+00	4800.00	0.00	24.61	7.39	0.26	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
49+00	4900.00	100.00	19.03	7.39	10.32	0.00	0.00	81	27	20	0	0	81	25	0	0	0	29
49+35	4935.00	35.00	73.51	7.39	22.19	0.00	0.00	60	10	21	0	0	141	51	0	0	0	53
												Gehin Rd Total	141	51	0	0	0	

LITTLE LAKES RD EARTHWORK SUMMARY

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
46+66.051	4666.05	0.00	15.37	0.00	0.77	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
47+00	4700.00	33.95	13.45	0.00	0.77	0.00	0.00	18	0	1	0	0	18	1	0	0	0	17
48+00	4800.00	100.00	0.05	0.00	10.21	0.00	0.00	25	0	20	0	0	43	26	0	0	0	17
48+20	4820.00	20.00	0.00	0.00	20.78	0.00	0.00	0	0	11	0	0	43	40	0	0	0	3
49+00	4900.00	80.00	29.67	0.00	96.24	0.00	0.00	44	0	173	0	0	87	256	0	0	0	-169
												Little Lakes Rd Total	87	256	0	0	0	

MOREHEAD RD EARTHWORK SUMMARY

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
49+69	4969.00	0.00	0.00	28.68	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
50+00	5000.00	31.00	0.00	28.68	330.73	0.00	0.00	0	33	190	0	0	0	238	0	0	0	-271
50+45	5045.00	45.00	8.45	28.68	296.91	0.00	0.00	7	48	523	0	0	7	891	0	0	0	-965
51+00	5100.00	55.00	36.53	28.68	4.26	0.00	0.00	46	58	307	0	0	53	1,275	0	0	0	-1,361
51+39	5139.00	39.00	22.04	28.68	0.00	0.00	0.00	42	41	3	0	0	95	1,279	0	0	0	-1,364
												Moorehead Rd Total	95	1,279	0	0	0	

FRENCHTOWN RD (WEST) EARTHWORK SUMMARY

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
39+50	3950.00	0.00	33.08	7.22	0.31	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
40+00	4000.00	50.00	56.18	7.22	0.25	0.00	0.00	83	13	1	0	0	83	1	0	0	0	69
41+00	4100.00	100.00	67.52	7.22	2.18	0.00	0.00	229	27	4	0	0	312	6	0	0	0	266
42+00	4200.00	100.00	126.20	7.22	5.83	0.00	0.00	359	27	15	0	0	671	25	0	0	0	579
43+00.042	4300.04	100.04	42.80	7.22	55.95	0.00	0.00	313	27	114	0	0	984	168	0	0	0	723
43+50	4350.00	49.96	12.82	7.22	105.82	0.00	0.00	51	13	150	0	0	1,035	355	0	0	0	573
44+00	4400.00	50.00	4.42	7.22	158.81	0.00	0.00	16	13	245	0	0	1,051	661	0	0	0	270
45+00	4500.00	100.00	0.25	7.22	87.40	0.00	0.00	9	27	456	0	0	1,060	1,231	0	0	0	-318
46+00	4600.00	100.00	2.51	7.22	30.35	0.00	0.00	5	27	218	0	0	1,065	1,504	0	0	0	-613
47+00	4700.00	100.00	0.93	7.22	64.39	0.00	0.00	6	27	175	0	0	1,071	1,723	0	0	0	-853
48+00	4800.00	100.00	9.69	7.22	87.75	0.00	0.00	20	27	282	0	0	1,091	2,075	0	0	0	-1,212
49+00	4900.00	100.00	39.06	7.22	204.93	0.00	0.00	90	27	542	0	0	1,181	2,753	0	0	0	-1,827
												Frenchtown Rd (West) Total	1,181	2,753	0	0	0	

FRENCHTOWN RD (EAST) EARTHWORK SUMMARY

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
51+00	5100.00	0.00	219.60	7.04	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
52+00	5200.00	100.00	168.75	7.04	0.00	0.00	0.00	719	26	0	0	0	719	0	0	0	0	693
53+00	5300.00	100.00	219.69	7.04	0.00	0.00	0.00	719	26	0	0	0	1,438	0	0	0	0	1,386
54+00	5400.00	100.00	103.74	7.04	0.00	0.00	0.00	599	26	0	0	0	2,037	0	0	0	0	1,959
54+82	5482.00	82.00	18.92	7.04	6.83	0.00	0.00	186	21	10	0	0	2,223	13	0	0	0	2,112
												Frenchtown Rd (East) Total	2,223	13	0	0	0	

CTH A (WEST) EARTHWORK SUMMARY

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
45+35	4535.00	0.00	44.91	9.23	0.11	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
46+00	4600.00	65.00	42.01	9.23	7.28	0.00	0.00	105	22	9	0	0	105	11	0	0	0	72
47+00	4700.00	100.00	51.69	9.23	0.00	0.00	0.00	174	34	13	0	0	279	28	0	0	0	196
48+00	4800.00	100.00	70.02	9.23	2.22	0.00	0.00	225	34	4	0	0	504	33	0	0	0	382
49+00	4900.00	100.00	68.96	9.23	28.15	0.00	0.00	257	34	56	0	0	761	103	0	0	0	535
49+30	4930.00	30.00	142.86	9.23	44.35	0.00	0.00	118	10	40	0	0	879	153	0	0	0	593
												CTH A (West) Total	879	153	0	0	0	

CTH A (EAST) EARTHWORK SUMMARY

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
51+00	5100.00	0.00	54.66	10.17	359.35	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
51+25	5125.00	25.00	50.02	10.17	426.06	0.00	0.00	48	9	364	0	0	48	455	0	0	0	-416
52+00	5200.00	75.00	1.11	10.17	185.01	0.00	0.00	71	28	849	0	0	119	1,516	0	0	0	-1,434
53+00	5300.00	100.00	146.92	10.17	94.82	0.00	0.00	274	38	518	0	0	393	2,164	0	0	0	-1,846
54+00	5400.00	100.00	25.51	10.17	0.95	0.00	0.00	319	38	177	0	0	712	2,385	0	0	0	-1,786
												CTH A (East) Total	712	2,385	0	0	0	

HENRY RD EARTHWORK SUMMARY

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
51+00	5100.00	0.00	93.60	11.65	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
52+00	5200.00	100.00	30.55	11.65	1.45	0.00	0.00	230	43	3	0	0	230	4	0	0	0	183
52+50	5250.00	50.00	31.55	11.65	0.88	0.00	0.00	57	22	2	0	0	287	6	0	0	0	216
												Henry Rd Total	287	6	0	0	0	

OLD STH 69 (SOUTH) EARTHWORK SUMMARY

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
51+35.862	5135.86	0.00	44.58	17.90	72.22	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
52+00	5200.00	64.14	8.92	17.90	74.55	0.00	0.00	64	43	174	0	0	64	218	0	0	0	-197
52+50	5250.00	50.00	21.14	17.90	38.48	0.00	0.00	28	33	105	0	0	92	349	0	0	0	-333
52+85.4	5285.40	35.40	34.76	17.90	22.10	0.00	0.00	37	23	40	0	0	129	399	0	0	0	-369
53+00	5300.00	14.60	0.20	17.90	10.75	0.00	0.00	9	10	9	0	0	138	410	0	0	0	-381
54+00	5400.00	100.00	0.21	17.90	0.86	0.00	0.00	1	66	22	0	0	139	438	0	0	0	-474
												Old STH 69 (South) Total	139	438	0	0	0	

DIANE AVE EARTHWORK SUMMARY

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
50+80	5080.00	0.00	131.56	12.86	51.18	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
51+00	5100.00	20.00	154.26	12.86	80.22	0.00	0.00	106	10	49	0	0	106	61	0	0	0	35
52+00	5200.00	100.00	53.29	12.86	59.27	0.00	0.00	384	48	258	0	0	490	384	0	0	0	48
52+65	5265.00	65.00	94.64	12.86	51.89	0.00	0.00	178	31	134	0	0	668	551	0	0	0	28
53+00	5300.00	35.00	105.24	12.86	9.04	0.00	0.00	130	17	39	0	0	798	600	0	0	0	92
53+50	5350.00	50.00	96.86	12.86	0.00	0.00	0.00	187	24	8	0	0	985	610	0	0	0	245
53+95	5395.00	45.00	99.90	12.86	0.00	0.00	0.00	164	21	0	0	0	1,149	610	0	0	0	388
												Diane Ave Total	1,149	610	0	0	0	

CTH PB (EAST) EARTHWORK SUMMARY

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
109+00	10900.00	0.00	116.32	15.27	26.57	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
110+00	11000.00	100.00	104.16	15.27	6.49	0.00	0.00	408	57	61	0	0	408	76	0	0	0	275
110+28.38	11028.38	28.38	110.91	15.27	0.00	0.00	0.00	113	16	3	0	0	521	80	0	0	0	368
												CTH PB (North) Total	521	80	0	0	0	

CTH PB (WEST) EARTHWORK SUMMARY

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
100+00	10000.00	0.00	98.60	15.34	5.75	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
101+00	10100.00	100.00	163.81	15.34	1.72	0.00	0.00	486	57	14	0	0	486	18	0	0	0	412
102+00	10200.00	100.00	230.18	15.34	0.00	0.00	0.00	730	57	3	0	0	1,216	21	0	0	0	1,081
102+35	10235.00	35.00	274.85	15.34	0.00	0.00	0.00	327	20	0	0	0	1,543	21	0	0	0	1,388
103+00	10300.00	65.00	343.59	15.34	0.00	0.00	0.00	744	37	0	0	0	2,287	21	0	0	0	2,095
104+00	10400.00	100.00	340.44	15.34	0.00	0.00	0.00	1,267	57	0	0	0	3,554	21	0	0	0	3,305
105+00	10500.00	100.00	102.03	15.34	35.76	0.00	0.00	819	57	66	0	0	4,373	104	0	0	0	3,984
106+00	10600.00	100.00	409.72	15.34	347.37	0.00	0.00	948	57	710	0	0	5,321	991	0	0	0	3,988
												CTH PB (South) Total	5,321	991	0	0	0	

HIMSEL RD EARTHWORK SUMMARY

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
46+42.327	4642.33	0.00	37.46	9.27	4.73	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
47+00	4700.00	57.67	56.26	9.27	4.39	0.00	0.00	100	20	10	0	0	100	13	0	0	0	68
48+00	4800.00	100.00	73.56	9.27	18.12	0.00	0.00	240	34	42	0	0	340	65	0	0	0	221
49+00	4900.00	100.00	231.72	9.27	135.74	0.00	0.00	565	34	285	0	0	905	421	0	0	0	396
49+25	4925.00	25.00	403.15	9.27	184.11	0.00	0.00	294	9	148	0	0	1,199	606	0	0	0	496
											Himsel Rd Total		1,199	606	0	0	0	

SCHALLER RD EARTHWORK SUMMARY

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
45+50	4550.00	0.00	23.24	12.00	3.17	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
46+00	4600.00	50.00	16.55	12.00	7.27	0.00	0.00	37	22	10	0	0	37	13	0	0	0	3
47+00	4700.00	100.00	2.44	12.00	66.06	0.00	0.00	35	44	136	0	0	72	183	0	0	0	-177
48+00	4800.00	100.00	3.92	12.00	170.70	0.00	0.00	12	44	438	0	0	84	730	0	0	0	-756
48+40	4840.00	40.00	6.75	12.00	216.85	0.00	0.00	8	18	287	0	0	92	1,089	0	0	0	-1,125
49+00	4900.00	60.00	52.24	12.00	312.77	0.00	0.00	66	27	588	0	0	158	1,824	0	0	0	-1,821
											Schaller Rd Total		158	1,824	0	0	0	

SUNSET DR EARTHWORK SUMMARY

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
51+00	5100.00	0.00	173.29	11.30	185.06	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
51+50	5150.00	50.00	8.94	11.30	169.68	0.00	0.00	169	21	328	0	0	169	410	0	0	0	-262
52+00	5200.00	50.00	11.48	11.30	156.74	0.00	0.00	19	21	302	0	0	188	788	0	0	0	-642
53+00	5300.00	100.00	26.00	11.30	1.53	0.00	0.00	69	42	293	0	0	257	1,154	0	0	0	-981
												Sunset Dr Total	257	1,154	0	0	0	

LOCUST DR EARTHWORK SUMMARY

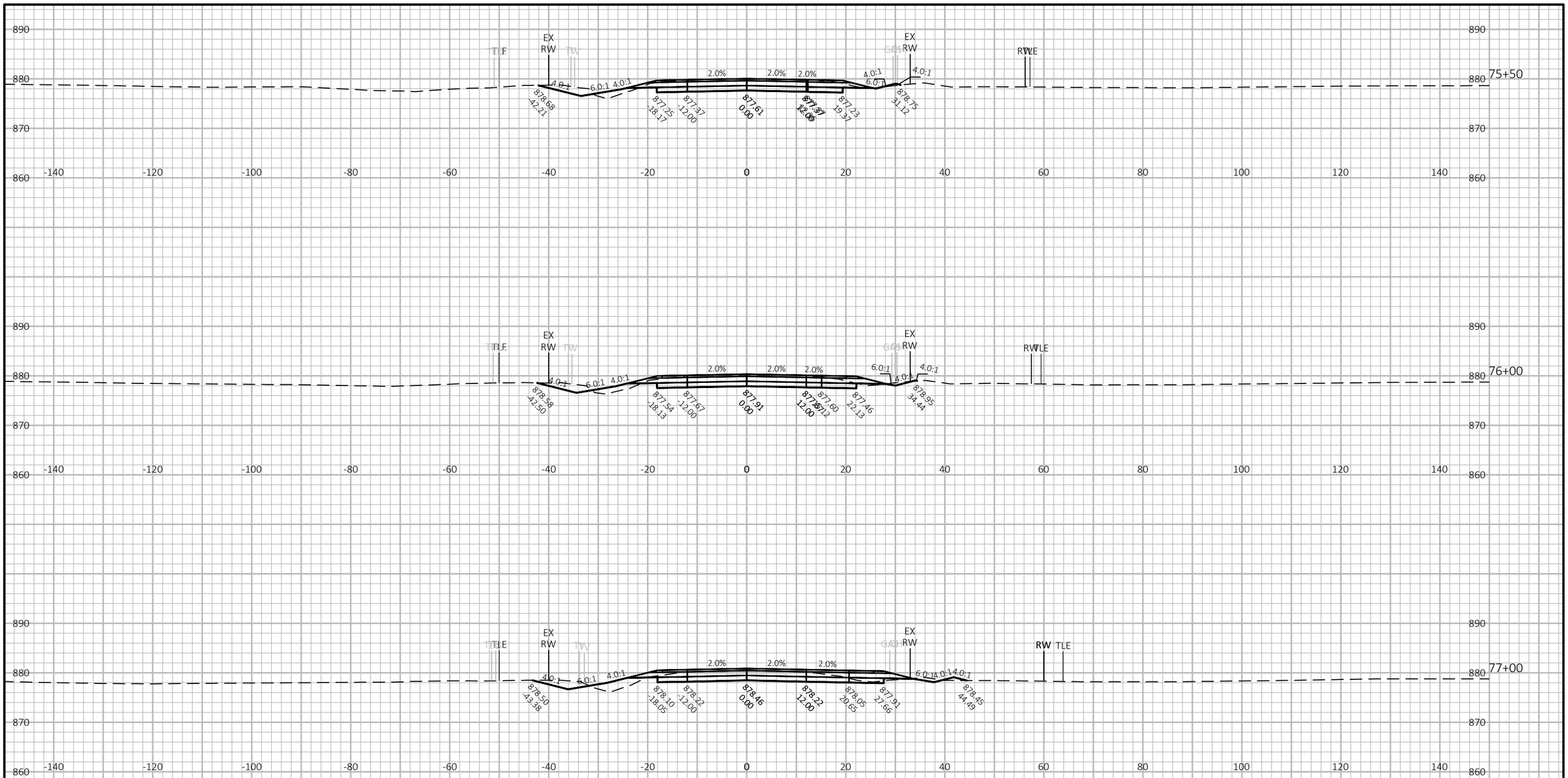
STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
51+10	5110.00	0.00	252.58	7.12	122.33	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
52+00	5200.00	90.00	25.30	7.12	134.04	0.00	0.00	463	24	427	0	0	463	534	0	0	0	-95
53+00	5300.00	100.00	35.20	7.12	49.31	0.00	0.00	112	26	340	0	0	575	959	0	0	0	-434
53+65	5365.00	65.00	51.13	7.12	25.01	0.00	0.00	104	17	89	0	0	679	1,070	0	0	0	-458
54+00	5400.00	35.00	9.33	7.12	34.38	0.00	0.00	39	9	38	0	0	718	1,118	0	0	0	-476
55+00	5500.00	100.00	40.76	7.12	0.00	0.00	0.00	93	26	64	0	0	811	1,198	0	0	0	-489
55+85	5585.00	85.00	46.37	7.12	0.00	0.00	0.00	137	22	0	0	0	948	1,198	0	0	0	-374
56+00	5600.00	15.00	43.71	7.12	0.00	0.00	0.00	25	4	0	0	0	973	1,198	0	0	0	-353
57+00	5700.00	100.00	29.53	7.12	0.17	0.00	0.00	136	26	0	0	0	1,109	1,198	0	0	0	-243
												Locust Dr Total	1,109	1,198	0	0	0	

RIVERSIDE DR EARTHWORK SUMMARY

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
47+05	4705.00	0.00	41.93	11.55	3.98	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
48+00	4800.00	95.00	28.03	11.55	9.75	0.00	0.00	123	41	24	0	0	123	30	0	0	0	52
49+00	4900.00	100.00	9.71	11.55	51.34	0.00	0.00	70	43	113	0	0	193	171	0	0	0	-62
												Riverside Dr Total	193	171	0	0	0	

MANHATTAN DR EARTHWORK SUMMARY

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					
			Cut	Salvaged/Unusable Pavement Material	Fill	Rock Exc	EBS	Cut	Salvaged/ Unusable	Fill	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced EBS in Fill 0.80	Mass Ordinate
50+90	5090.00	0.00	71.85	0.38	26.82	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
51+00	5100.00	10.00	70.94	0.38	19.26	0.00	0.00	26	0	9	0	0	26	11	0	0	0	15
51+30	5130.00	30.00	39.48	0.38	17.04	0.00	0.00	61	0	20	0	0	87	36	0	0	0	51
52+00	5200.00	70.00	33.30	0.38	0.00	0.00	0.00	94	1	22	0	0	181	64	0	0	0	116
52+75	5275.00	75.00	32.01	0.38	0.00	0.00	0.00	91	1	0	0	0	272	64	0	0	0	206
												Manhattan Dr Total	272	64	0	0	0	



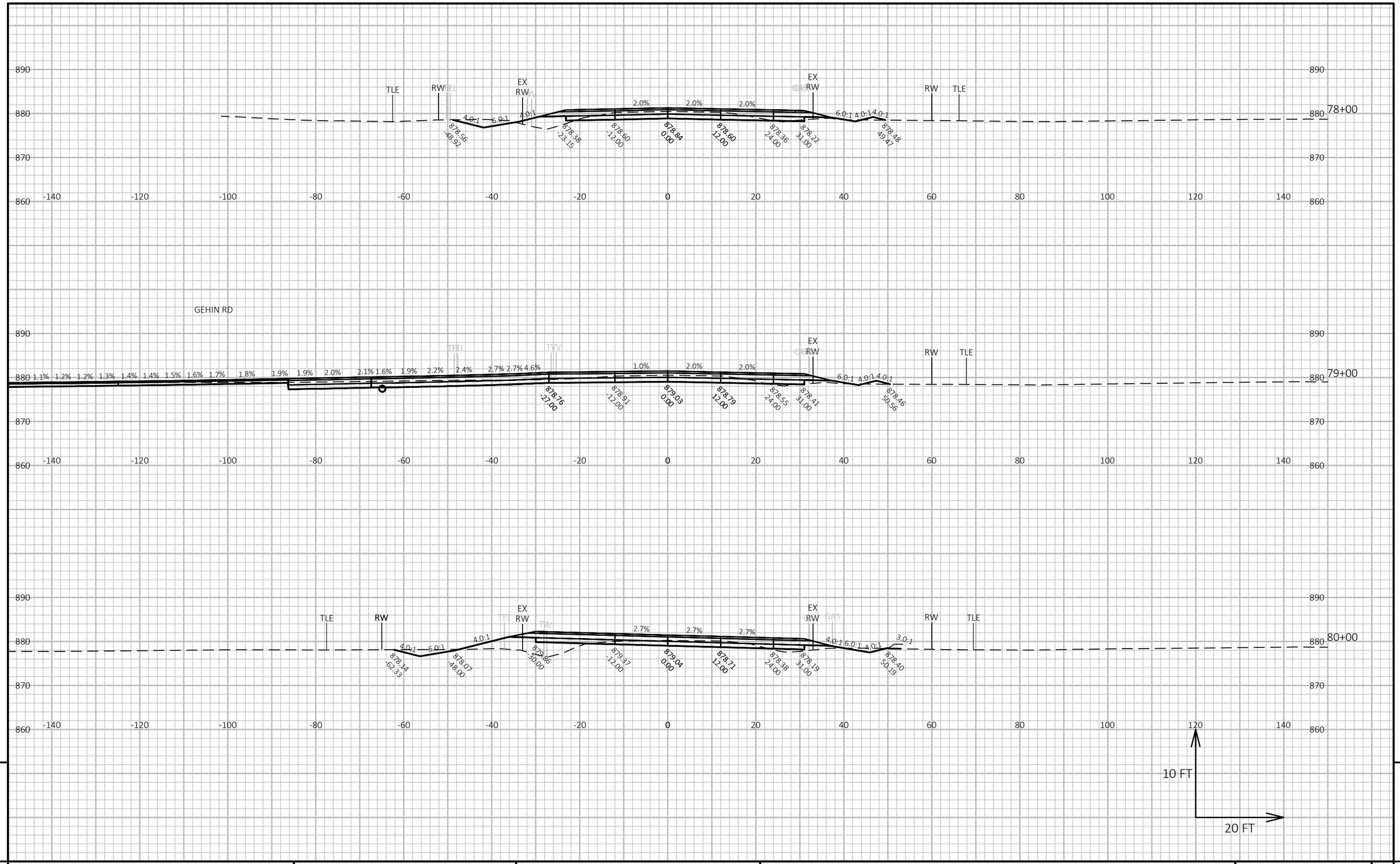
9

9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 530	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION1.DWG
LAYOUT NAME - 090201-xs-Section1-1

PLOT DATE : 4/5/2021 4:10 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

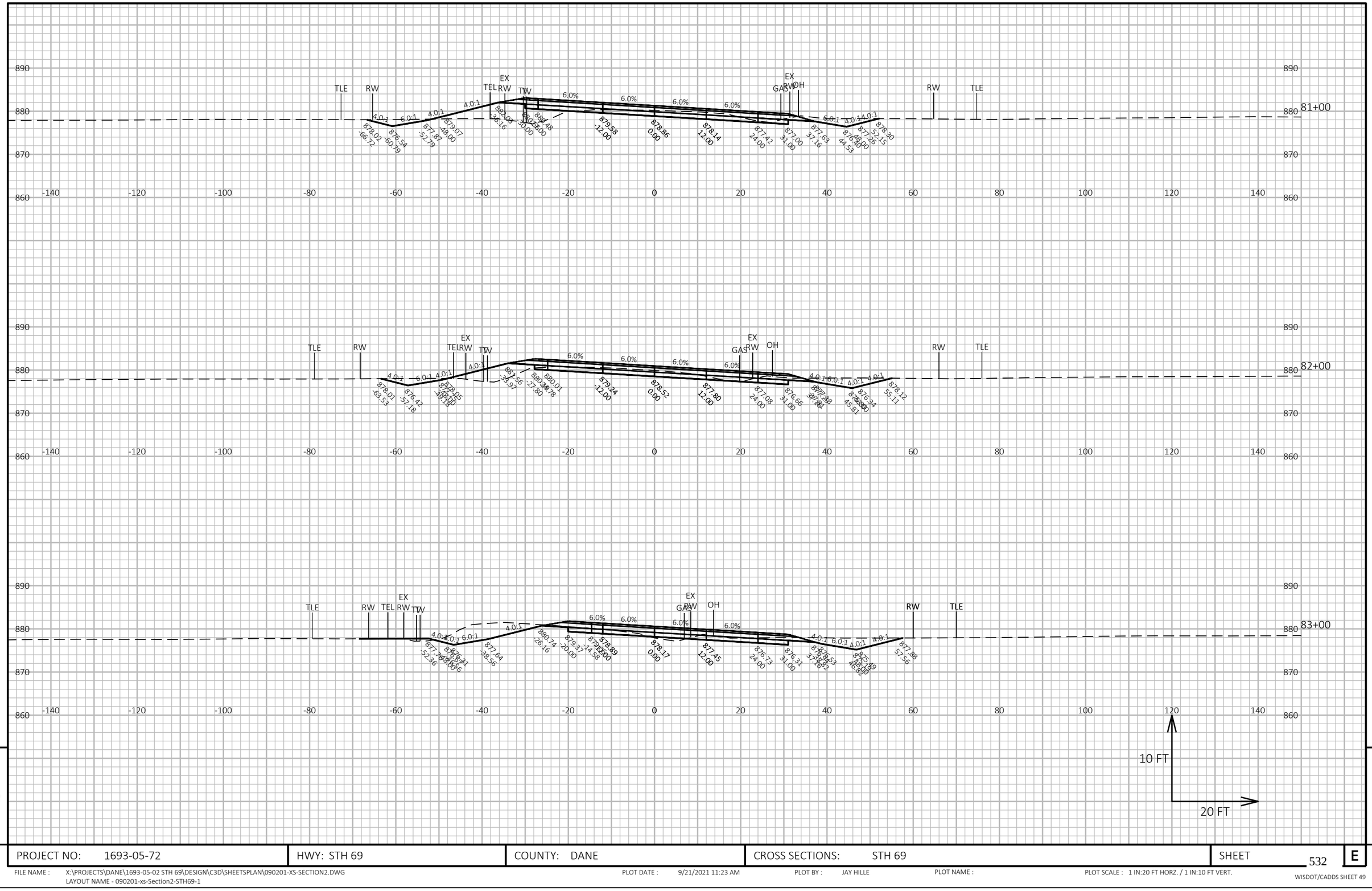


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 531	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION1.DWG
LAYOUT NAME - 090201-xs-Section1-2

PLOT DATE : 4/5/2021 4:10 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



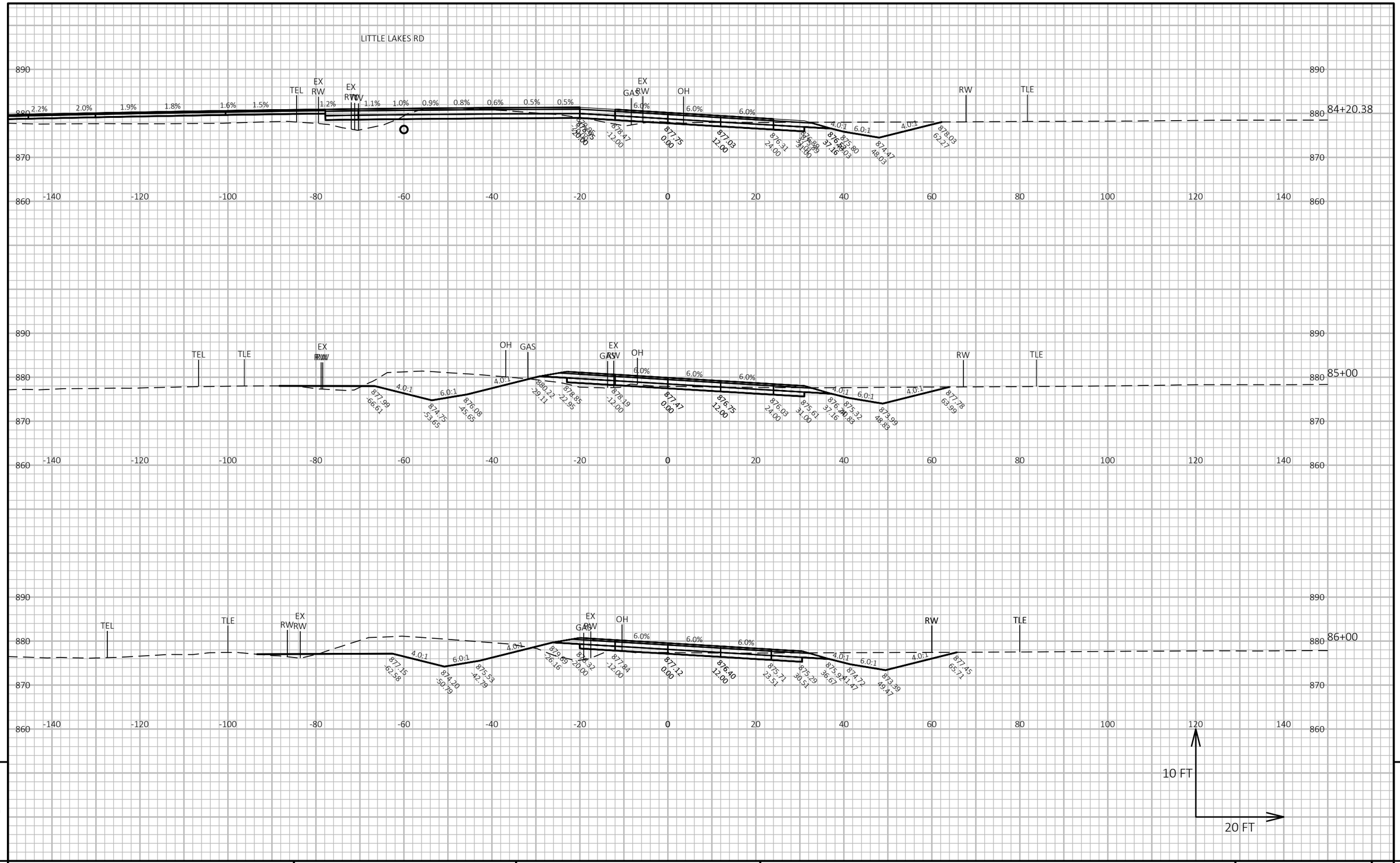
9

9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 532	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-1

PLOT DATE : 9/21/2021 11:23 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

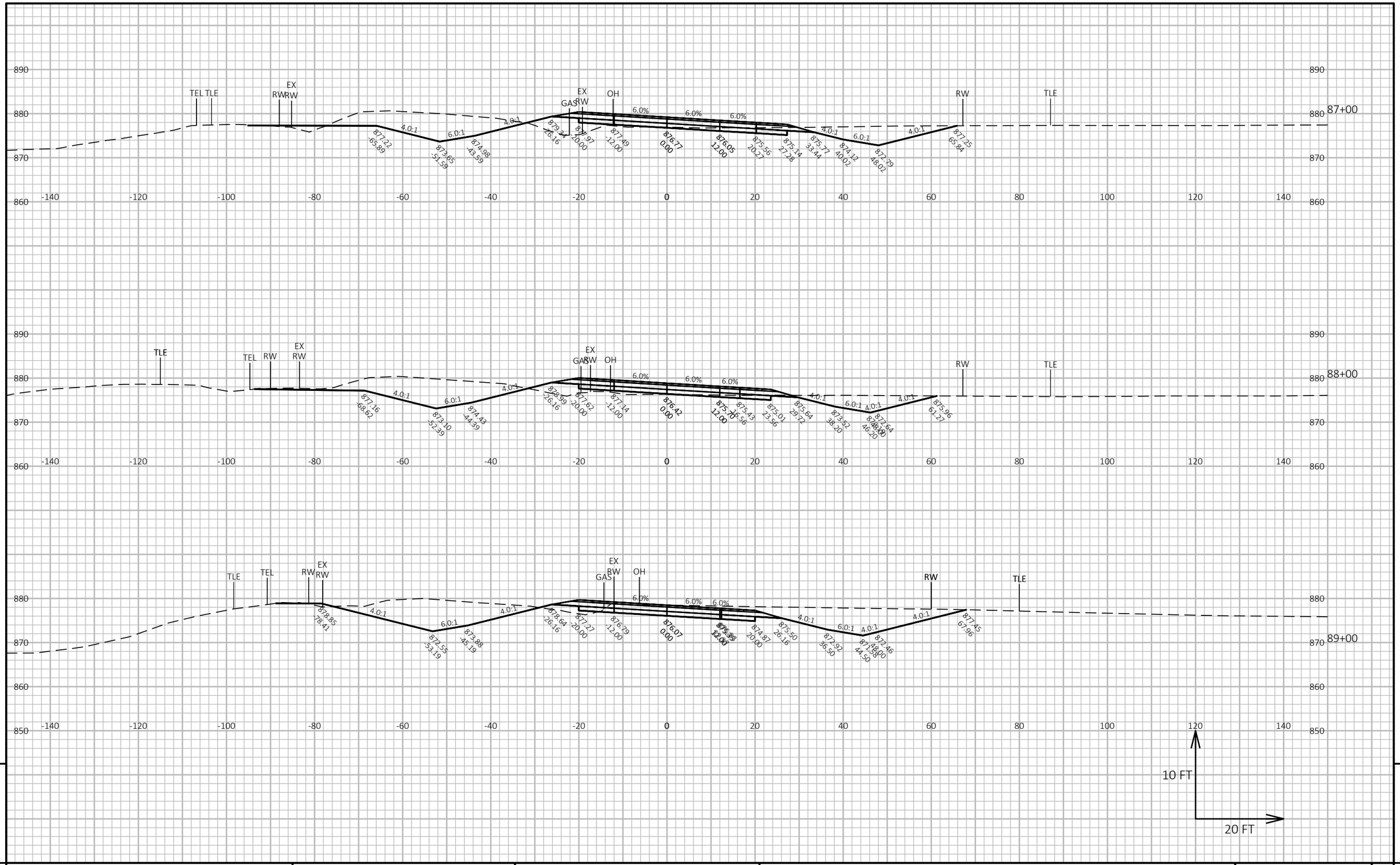
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 533	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-2

PLOT DATE : 9/21/2021 11:24 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

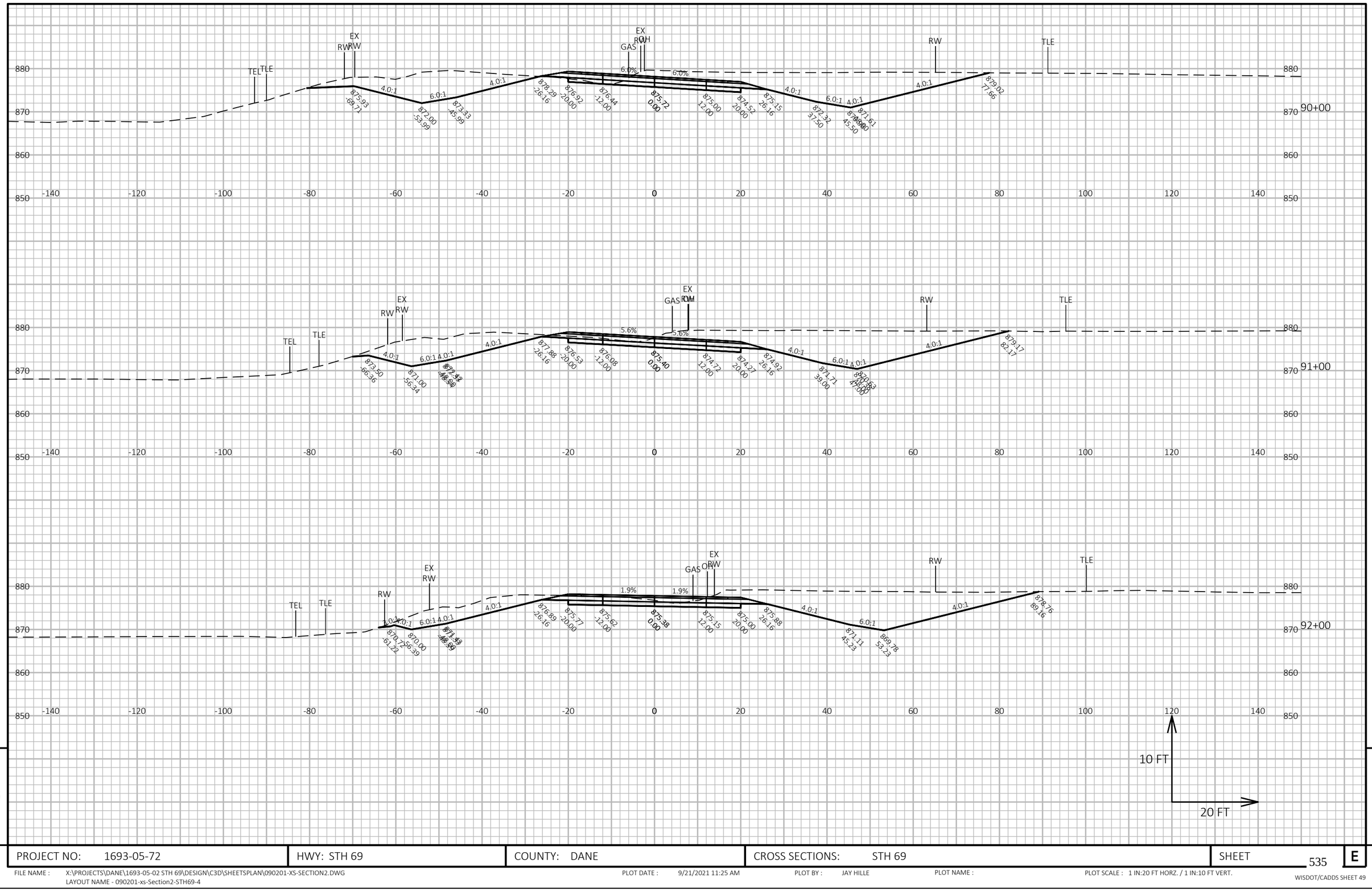


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 534	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-3

PLOT DATE : 9/21/2021 11:25 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

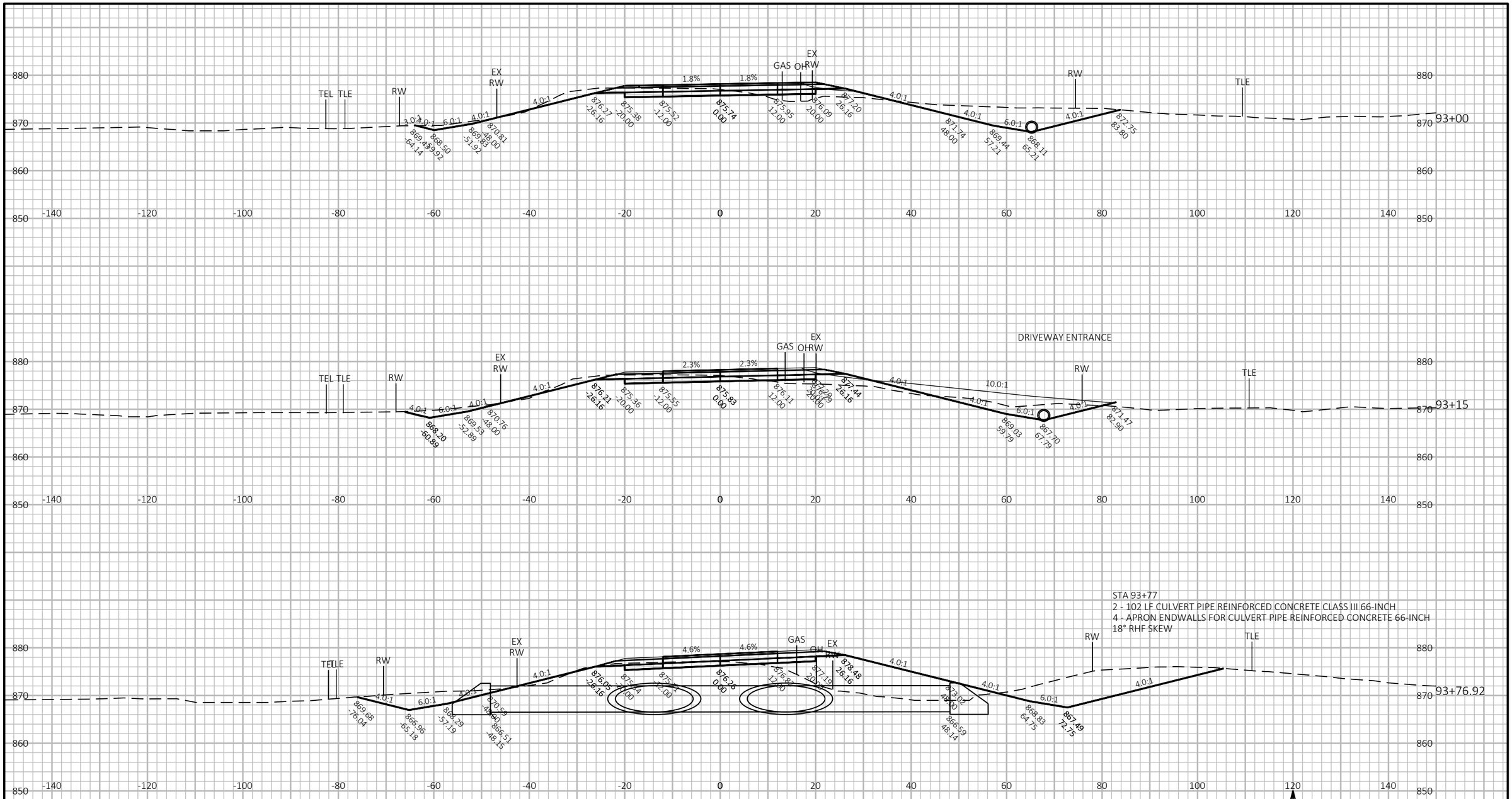
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 535	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-4

PLOT DATE : 9/21/2021 11:25 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

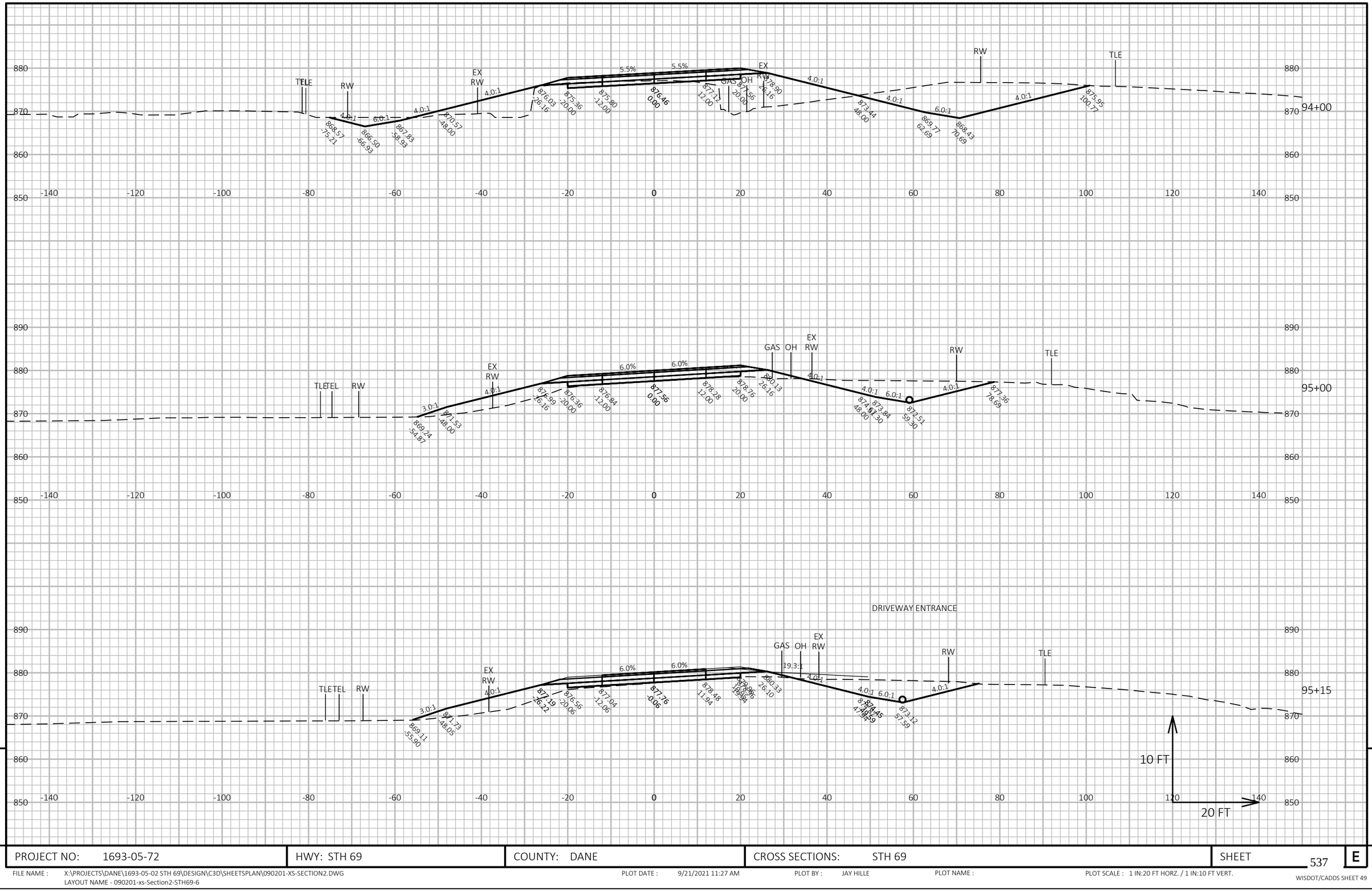


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 536	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-5

PLOT DATE : 9/21/2021 11:26 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

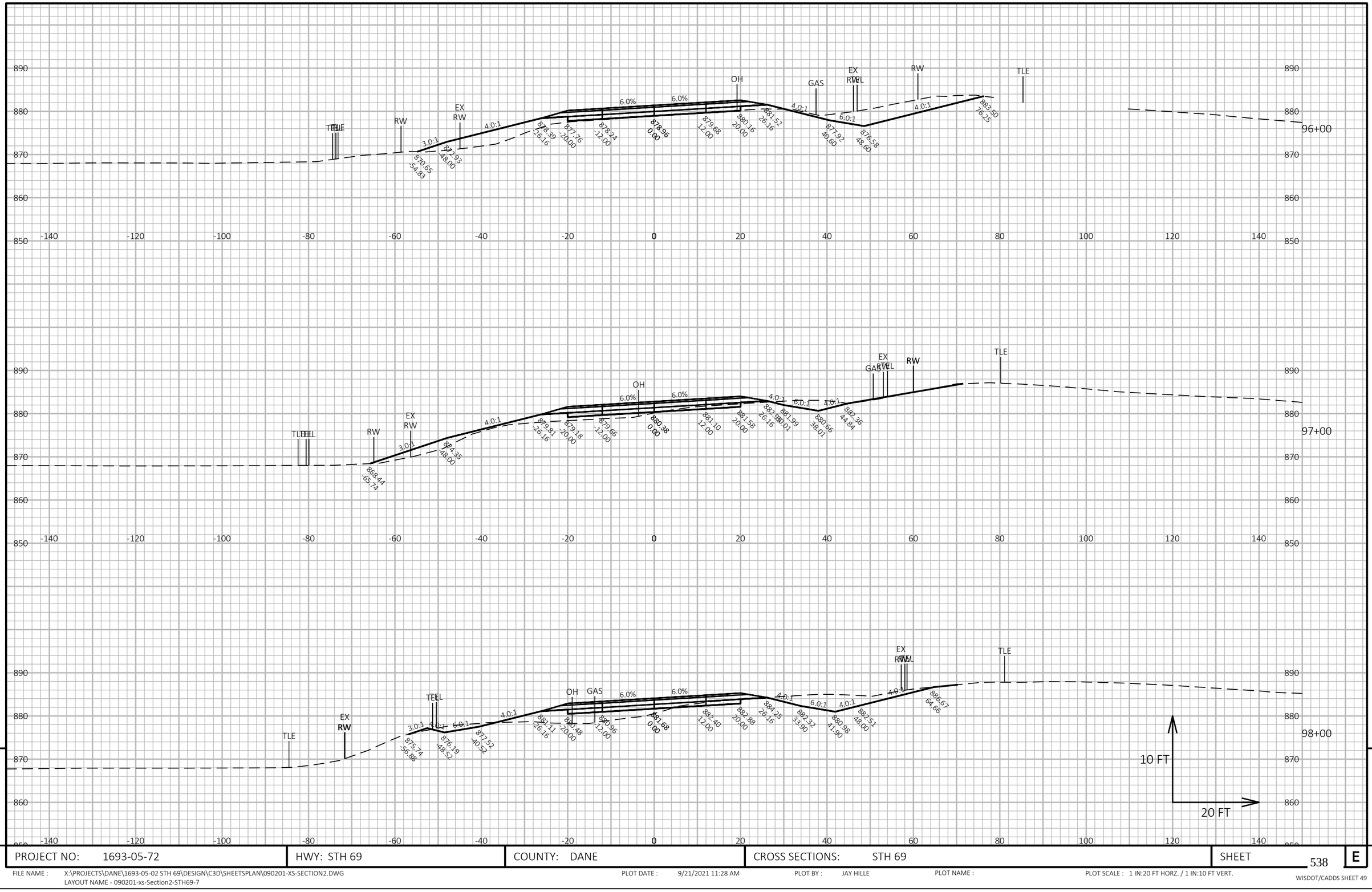


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 537	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-6

PLOT DATE : 9/21/2021 11:27 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

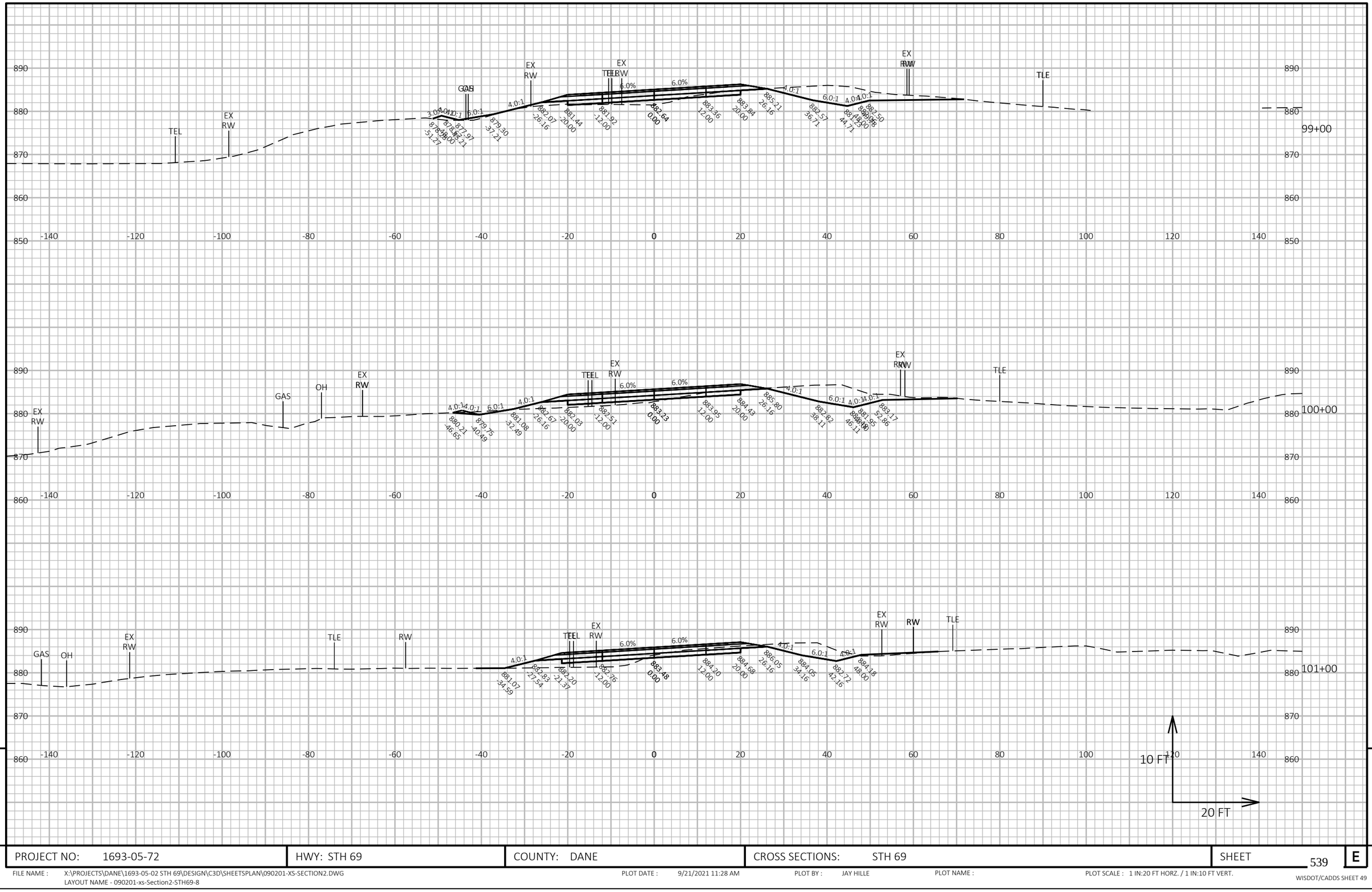
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 538	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-7

PLOT DATE : 9/21/2021 11:28 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

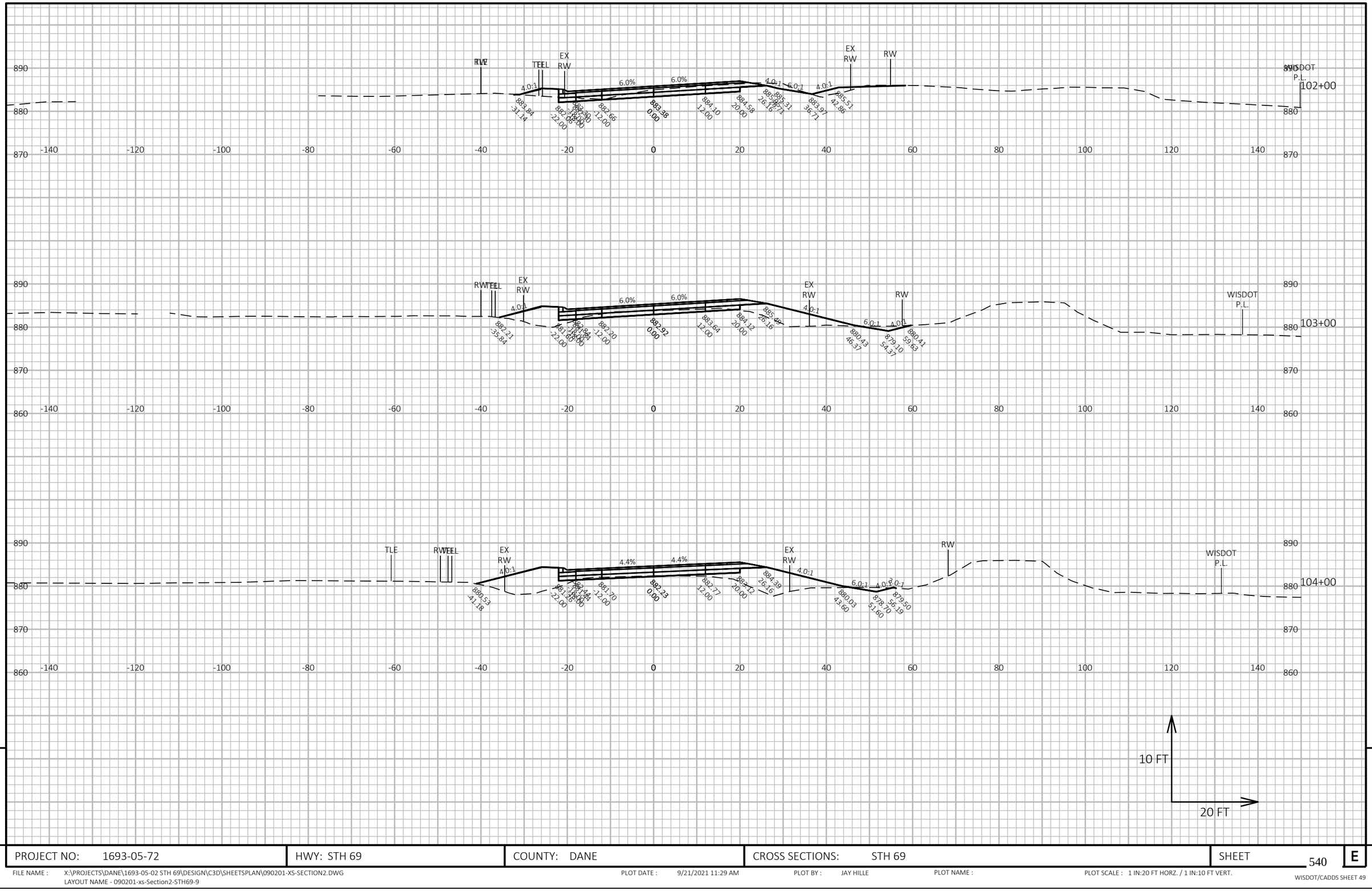


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 539	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-8

PLOT DATE : 9/21/2021 11:28 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

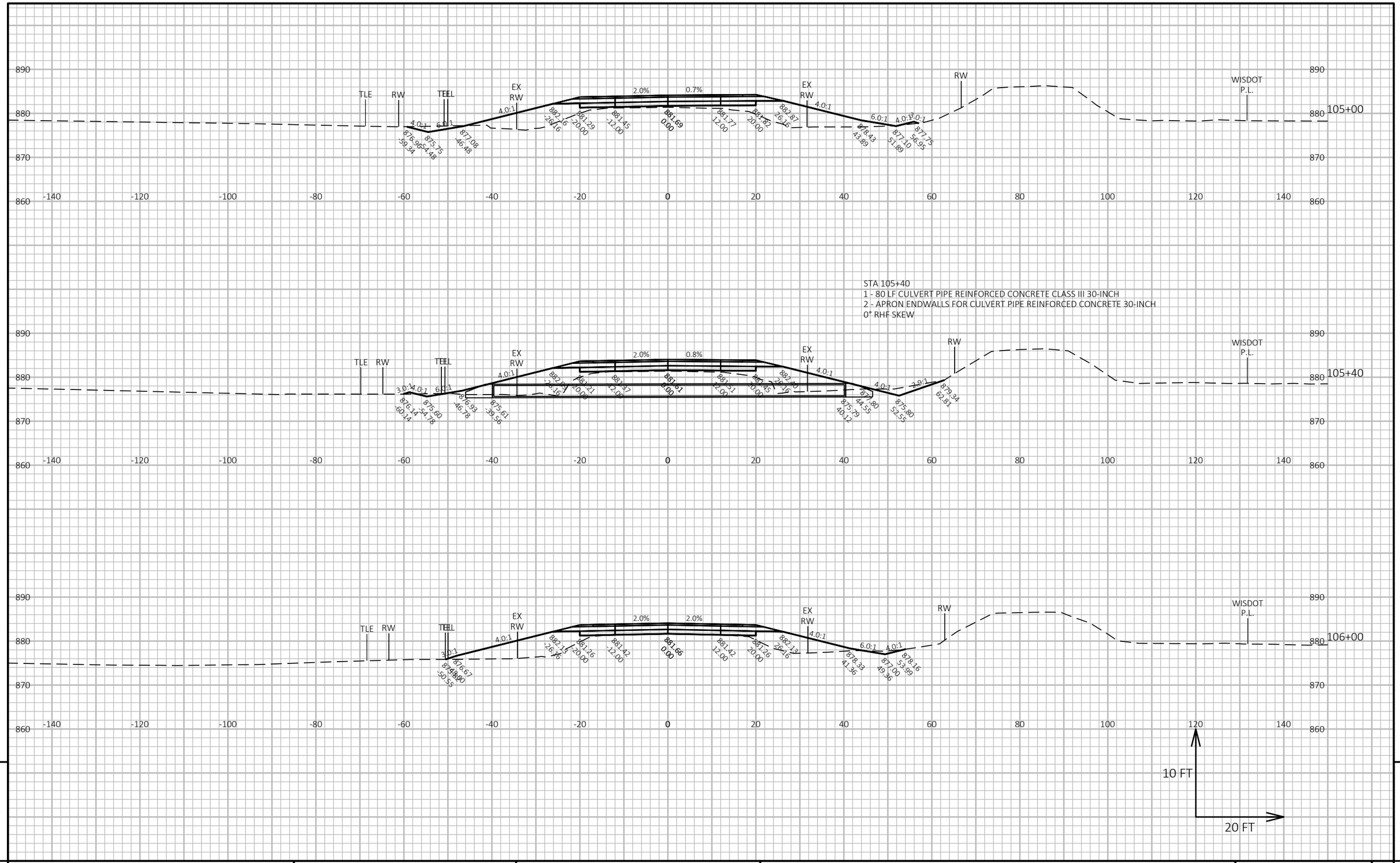
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 540	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-9

PLOT DATE : 9/21/2021 11:29 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



STA 105+40
1 - 80 LF CULVERT PIPE REINFORCED CONCRETE CLASS III 30-INCH
2 - APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH
0° RHF SKEW

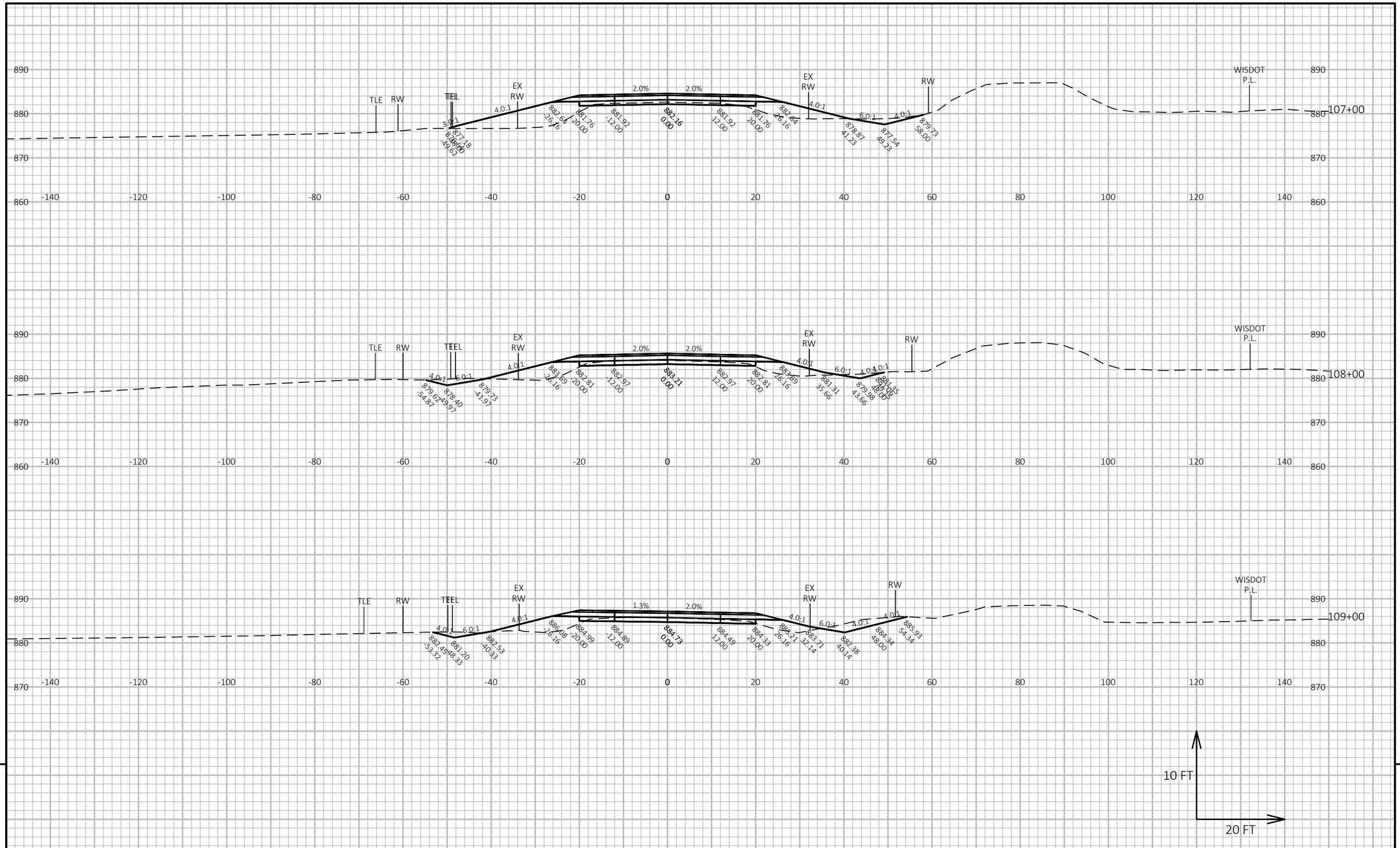
9

9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 541	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-10

PLOT DATE : 9/21/2021 11:30 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

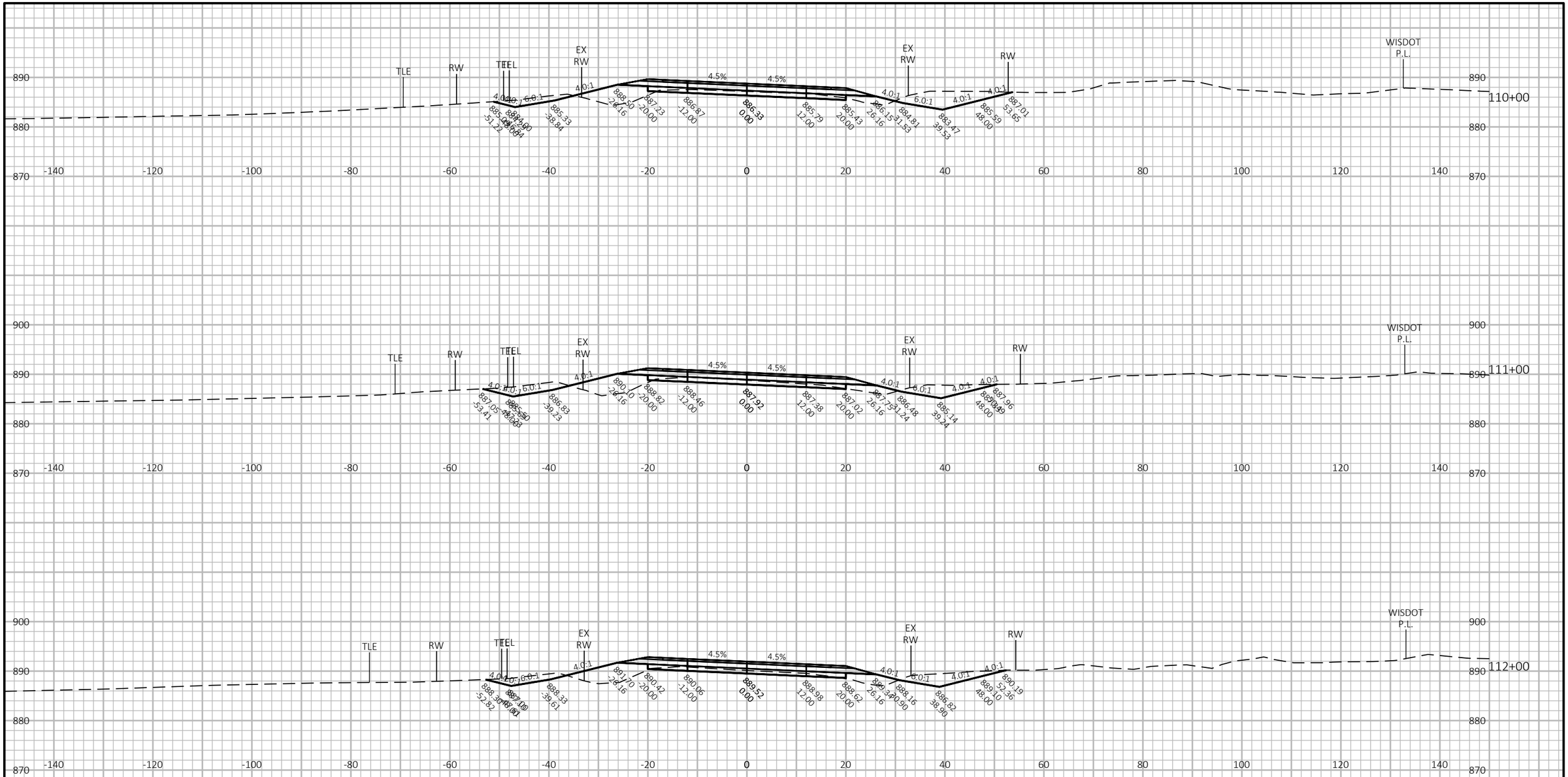


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 542	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-11

PLOT DATE : 9/21/2021 11:31 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

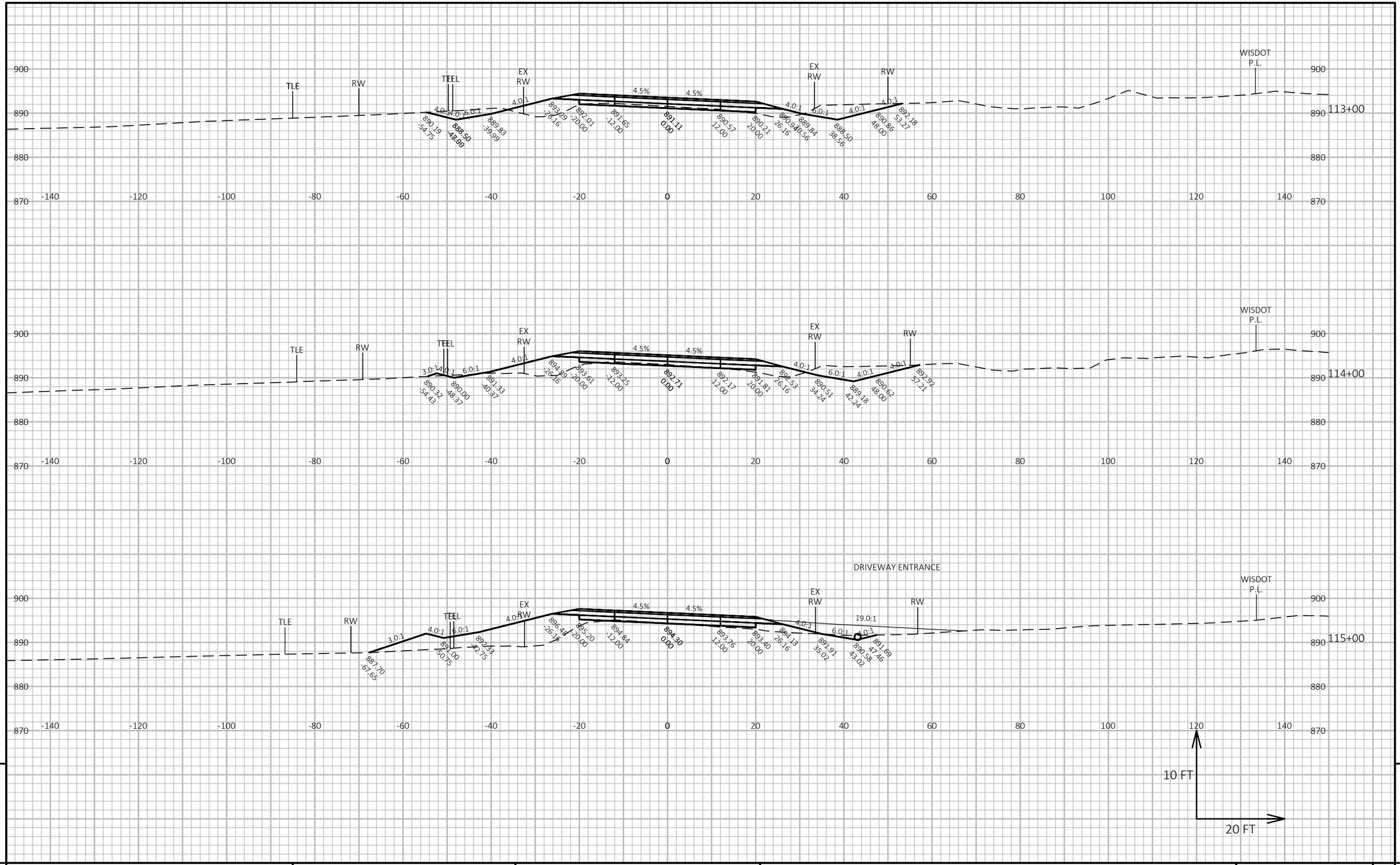
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 543	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-12

PLOT DATE : 9/21/2021 11:32 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

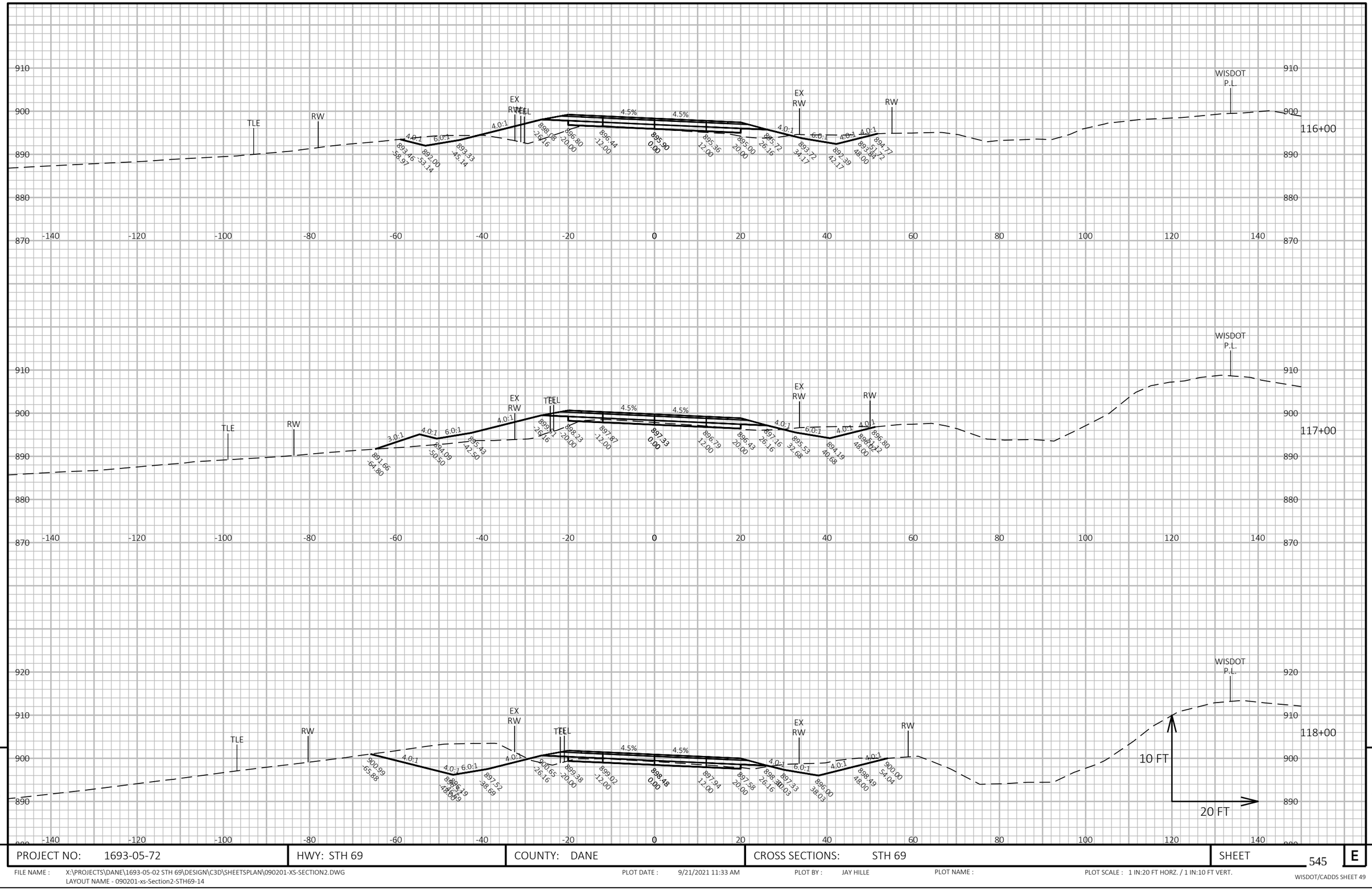
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 544	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-13

PLOT DATE : 9/21/2021 11:32 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

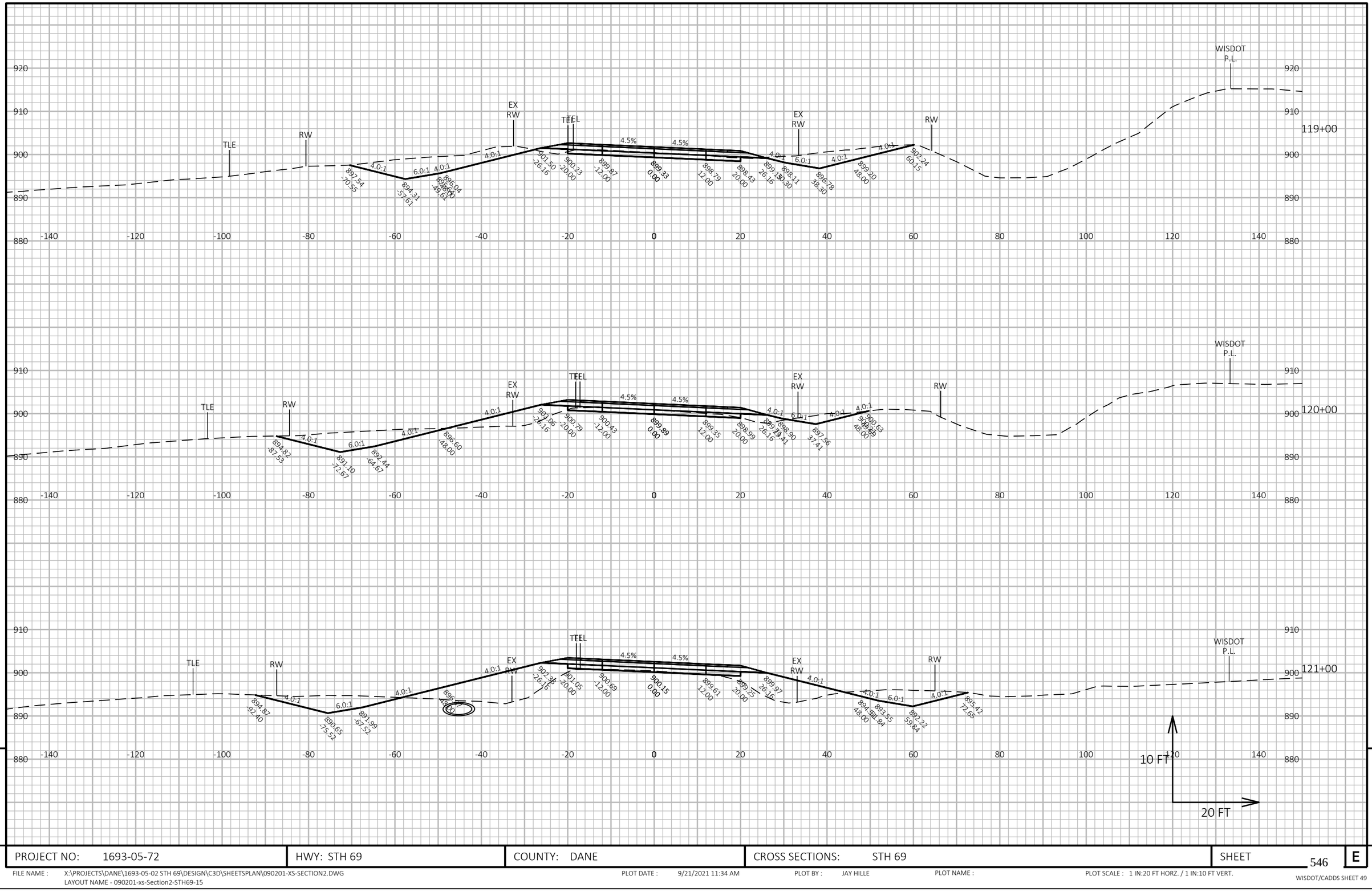


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 545	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-14

PLOT DATE : 9/21/2021 11:33 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 546 E

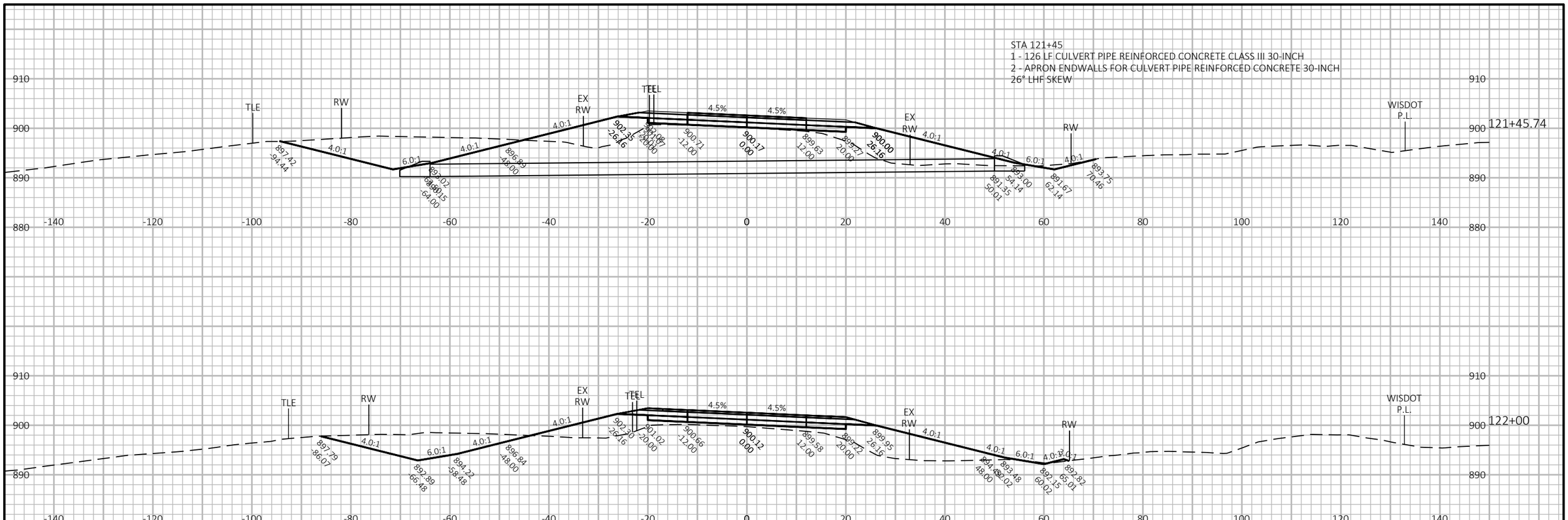
FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-15

PLOT DATE : 9/21/2021 11:34 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

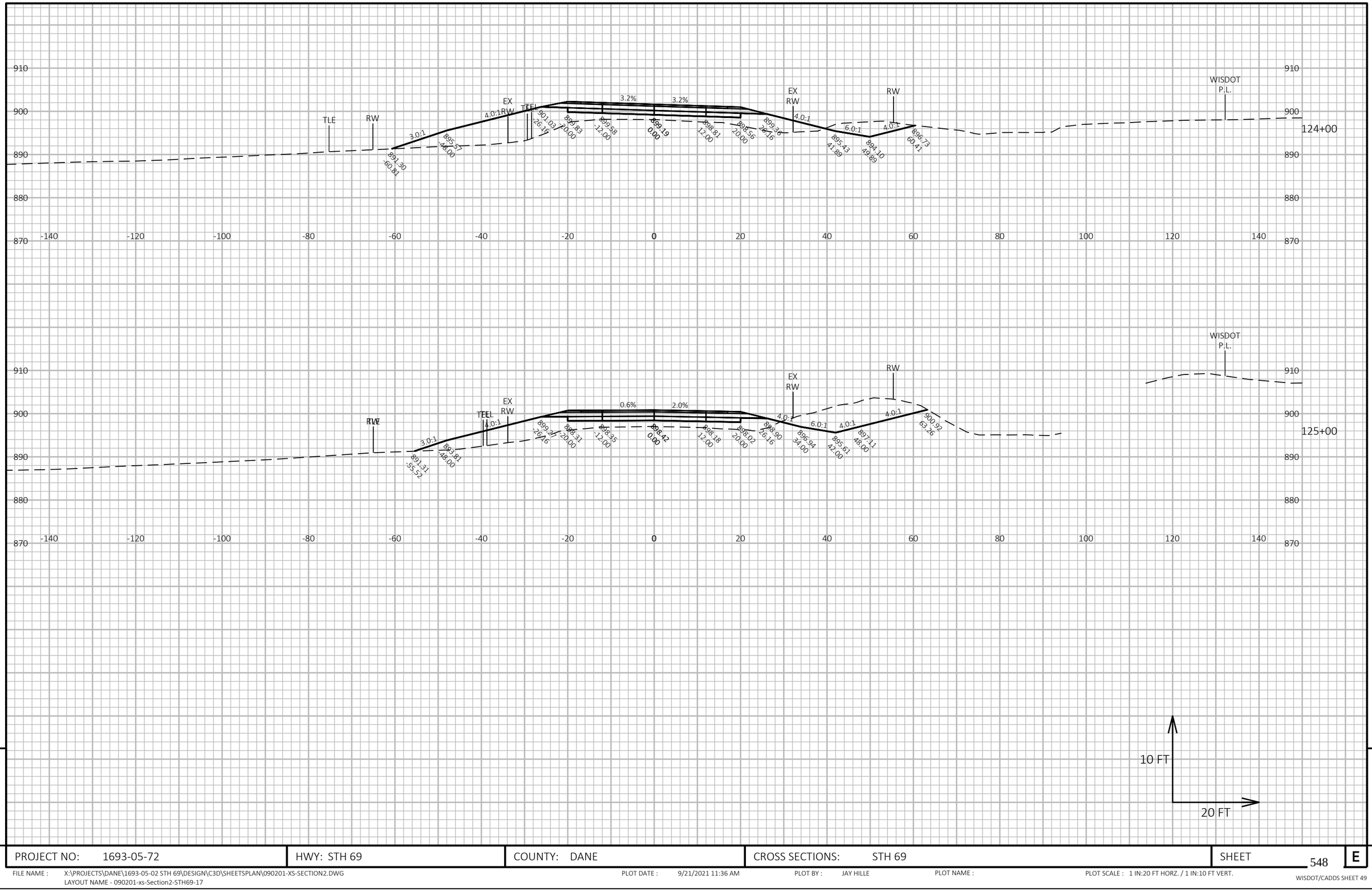
9 9

STA 121+45
1 - 126 LF CULVERT PIPE REINFORCED CONCRETE CLASS III 30-INCH
2 - APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH
26° LHF SKEW



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 547 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-16
PLOT DATE : 9/21/2021 11:35 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



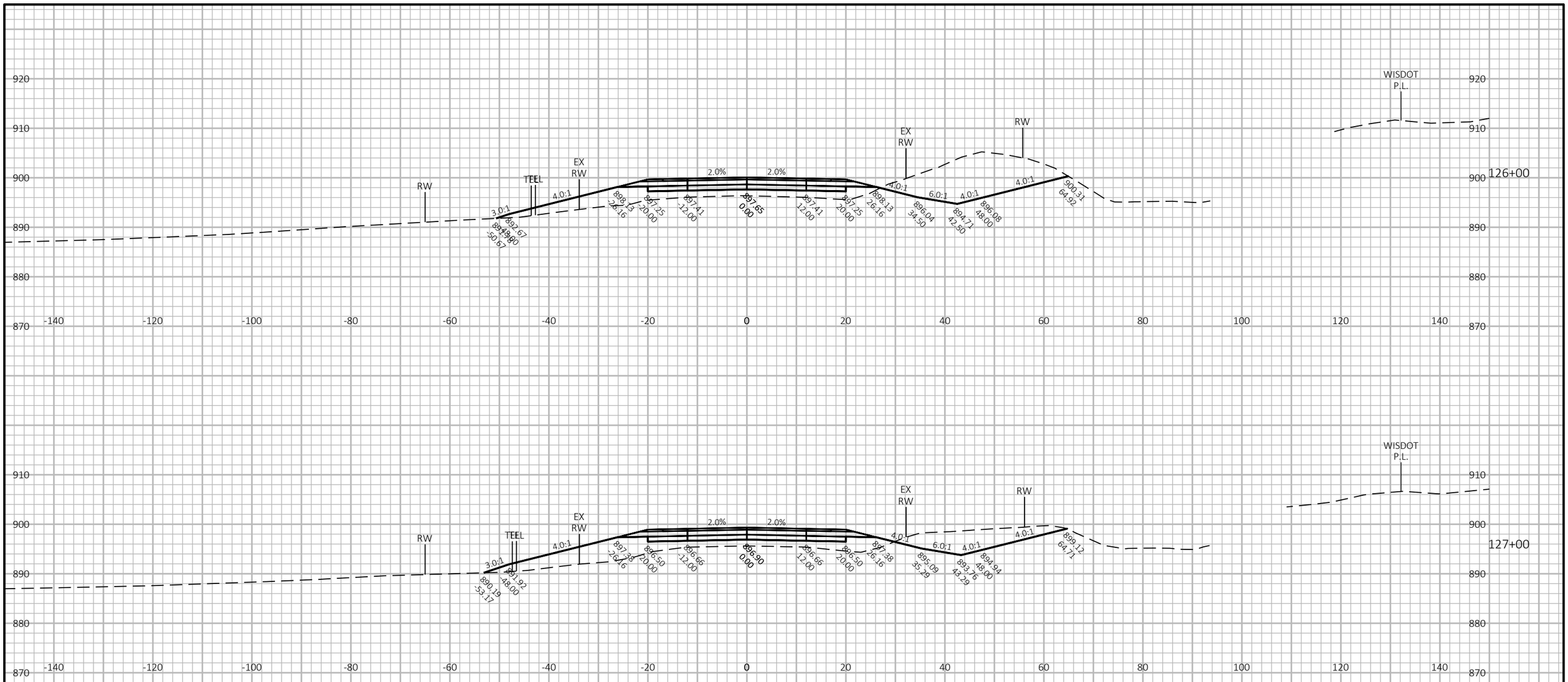
9

9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 548	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-17

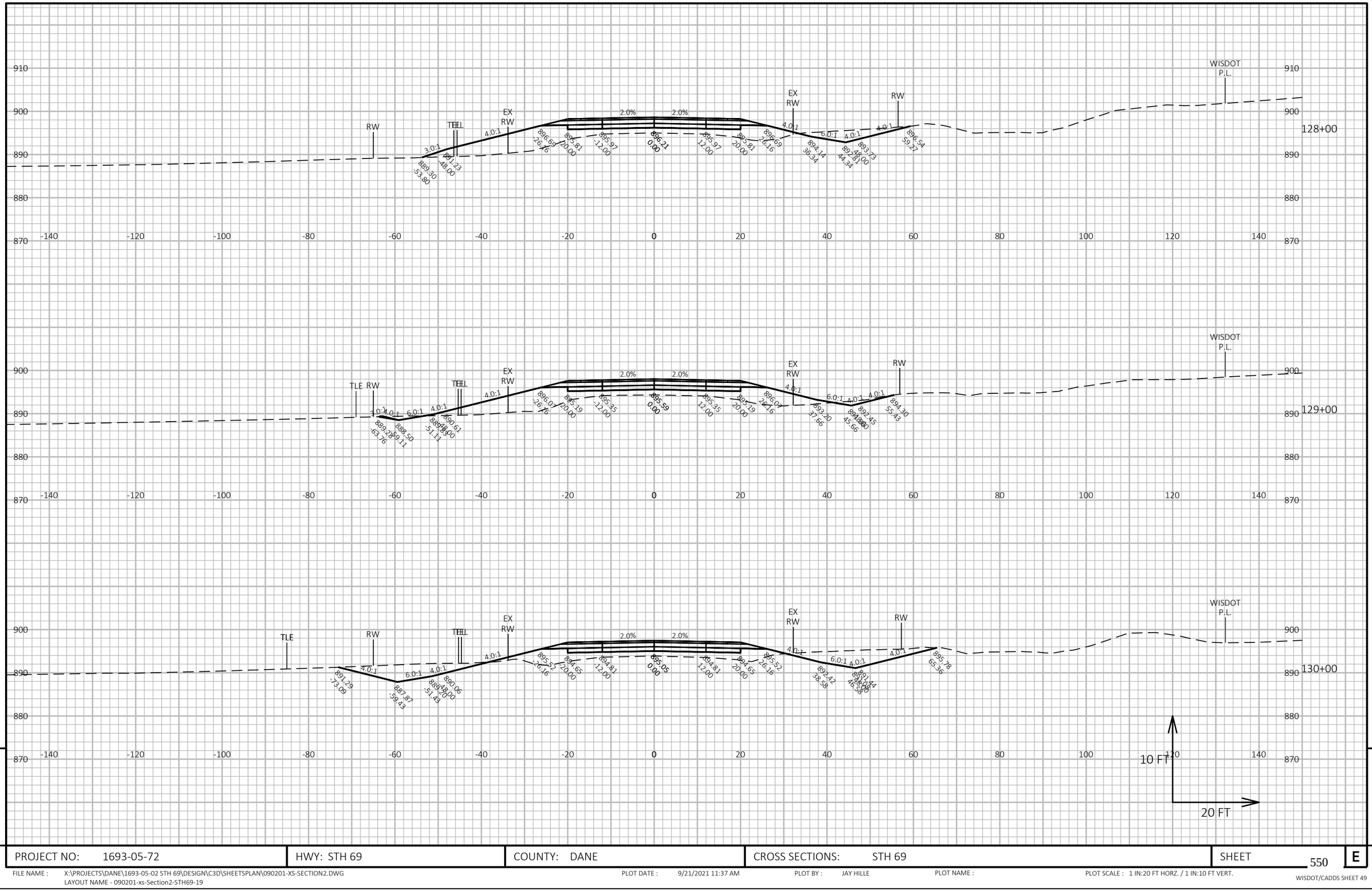
PLOT DATE : 9/21/2021 11:36 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 549	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-18

PLOT DATE : 9/21/2021 11:36 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

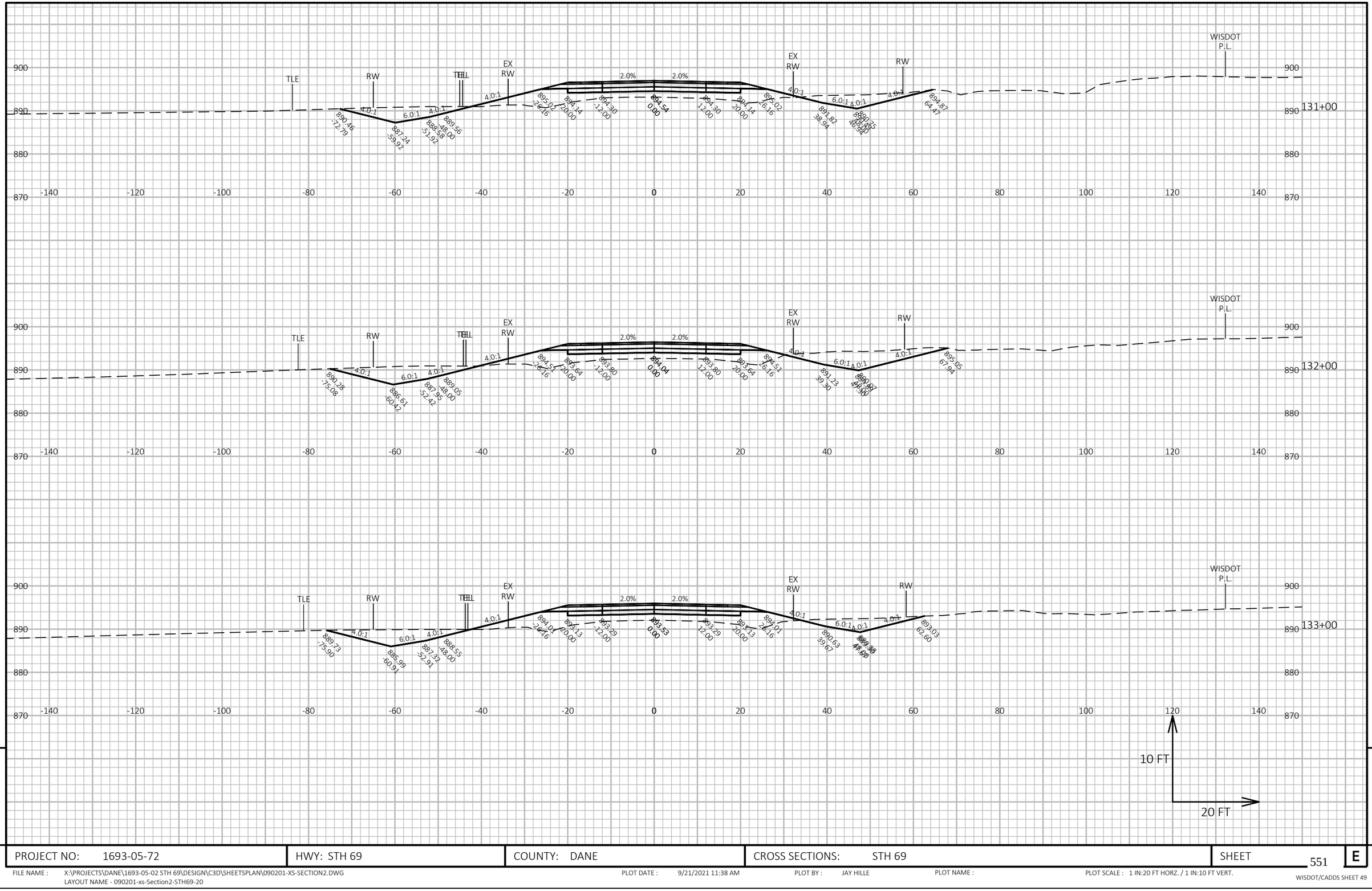


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 550	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-19

PLOT DATE : 9/21/2021 11:37 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

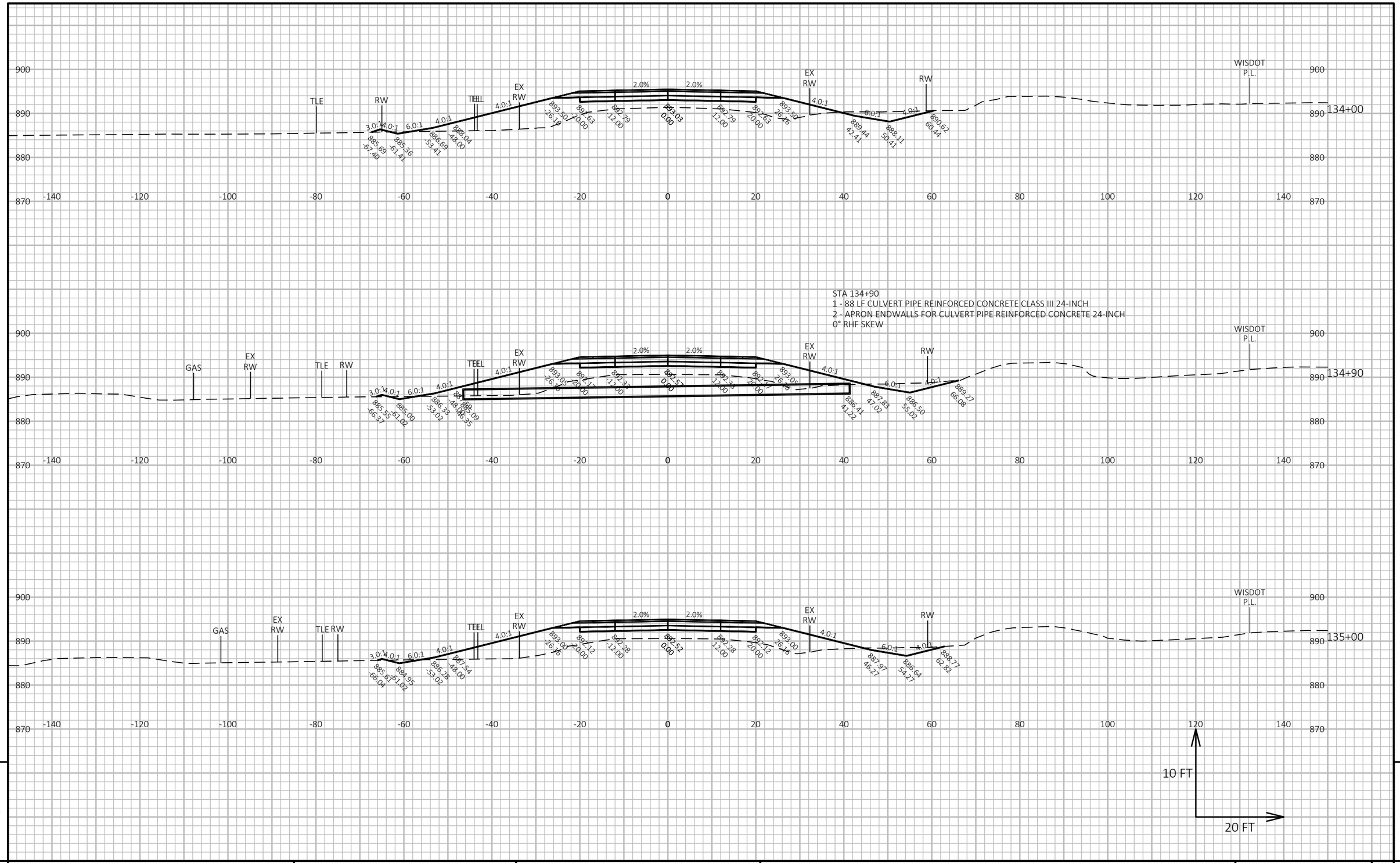
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 551	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-20

PLOT DATE : 9/21/2021 11:38 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

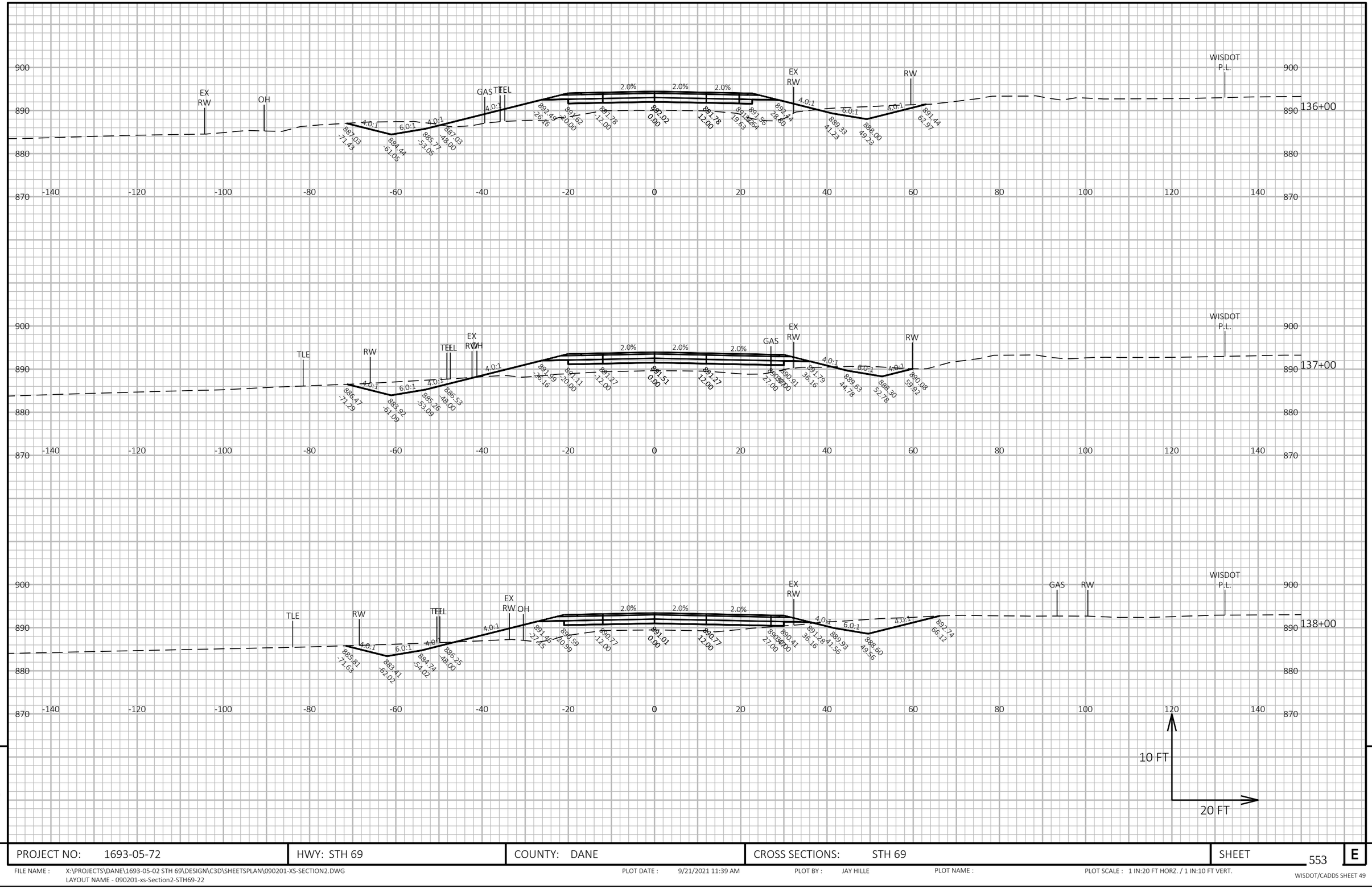


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 552	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-21

PLOT DATE : 9/21/2021 11:39 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

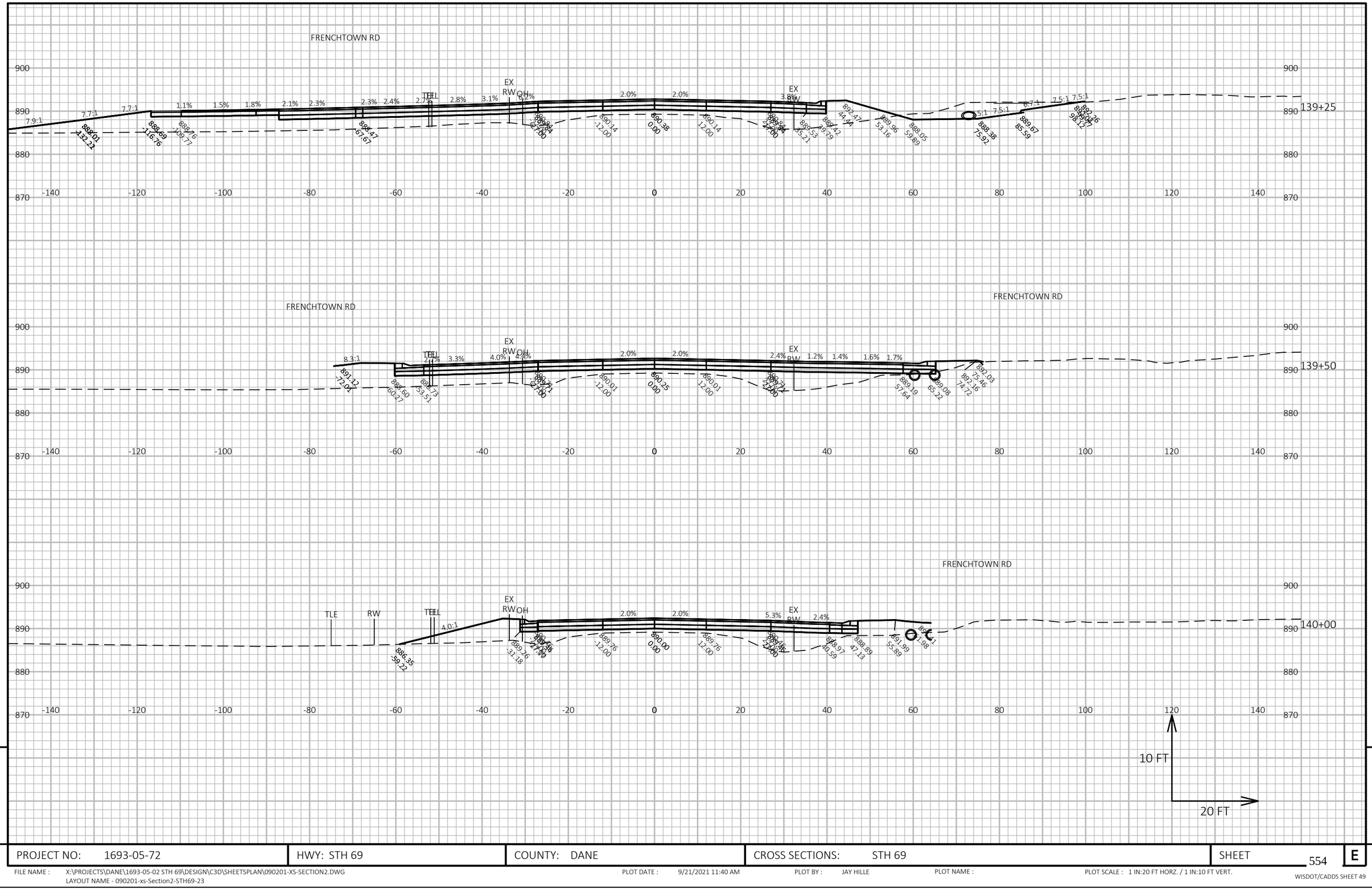
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 553	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-22

PLOT DATE : 9/21/2021 11:39 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

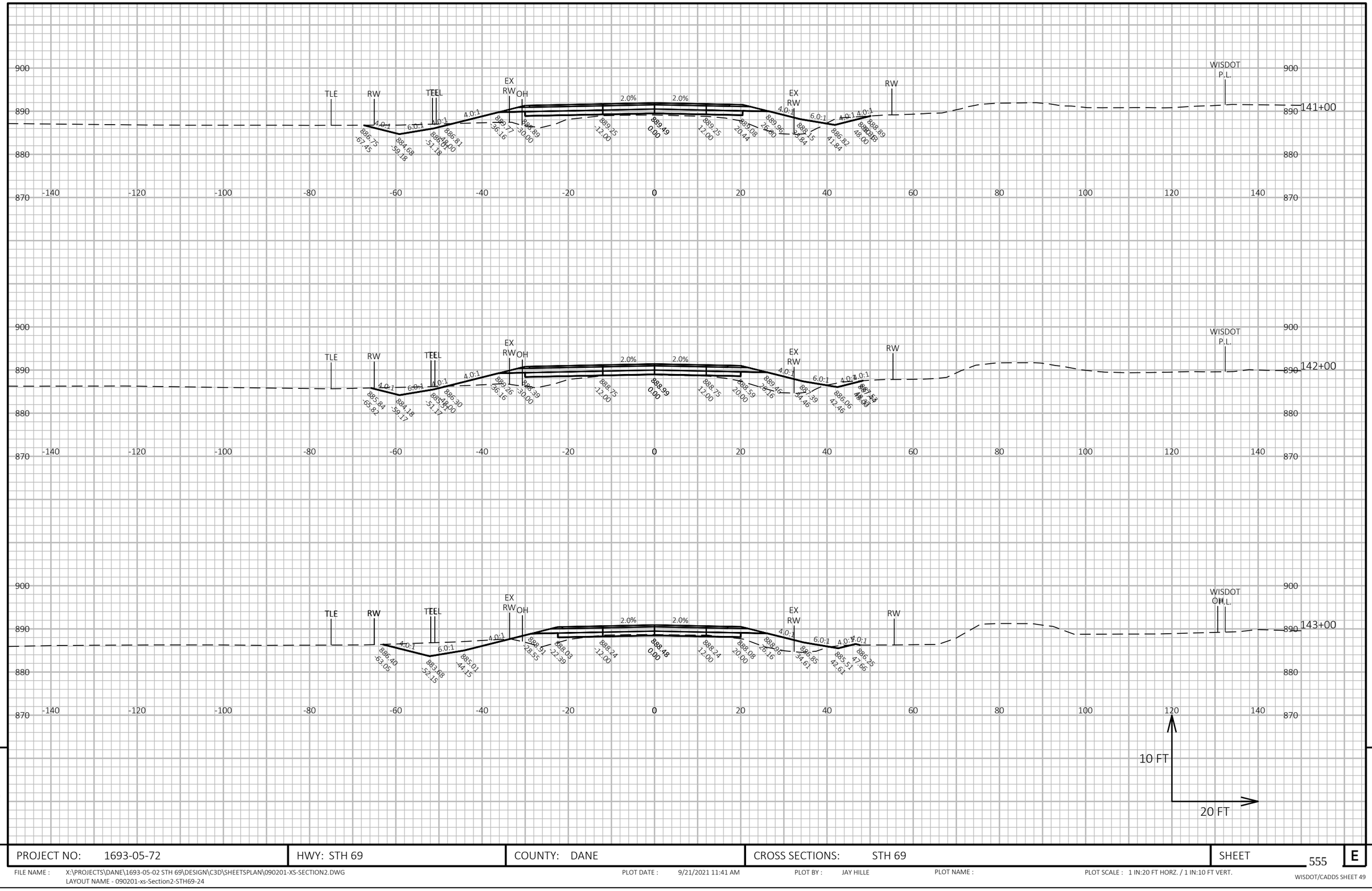
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 554	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-23

PLOT DATE : 9/21/2021 11:40 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

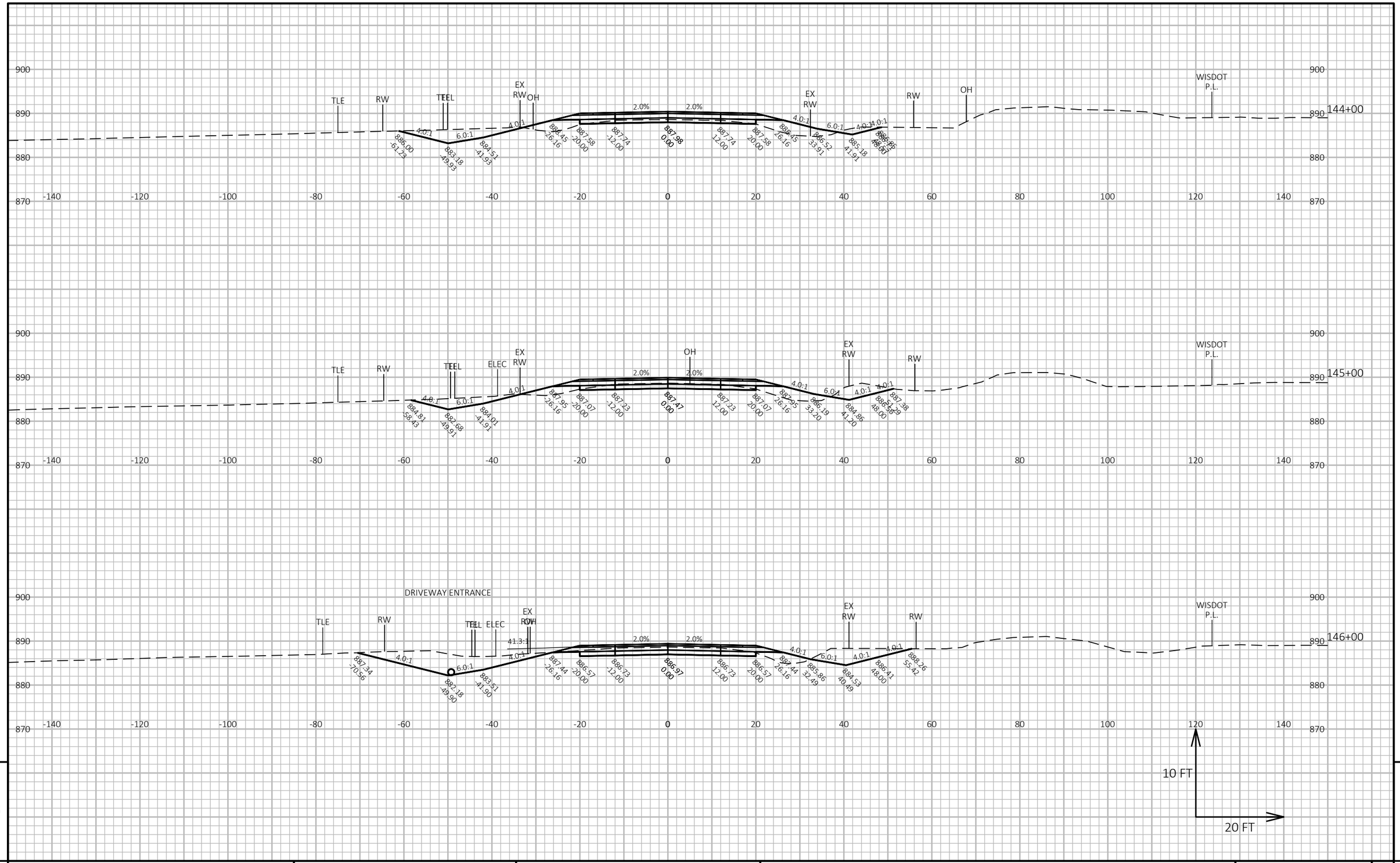
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 555	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-24

PLOT DATE : 9/21/2021 11:41 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

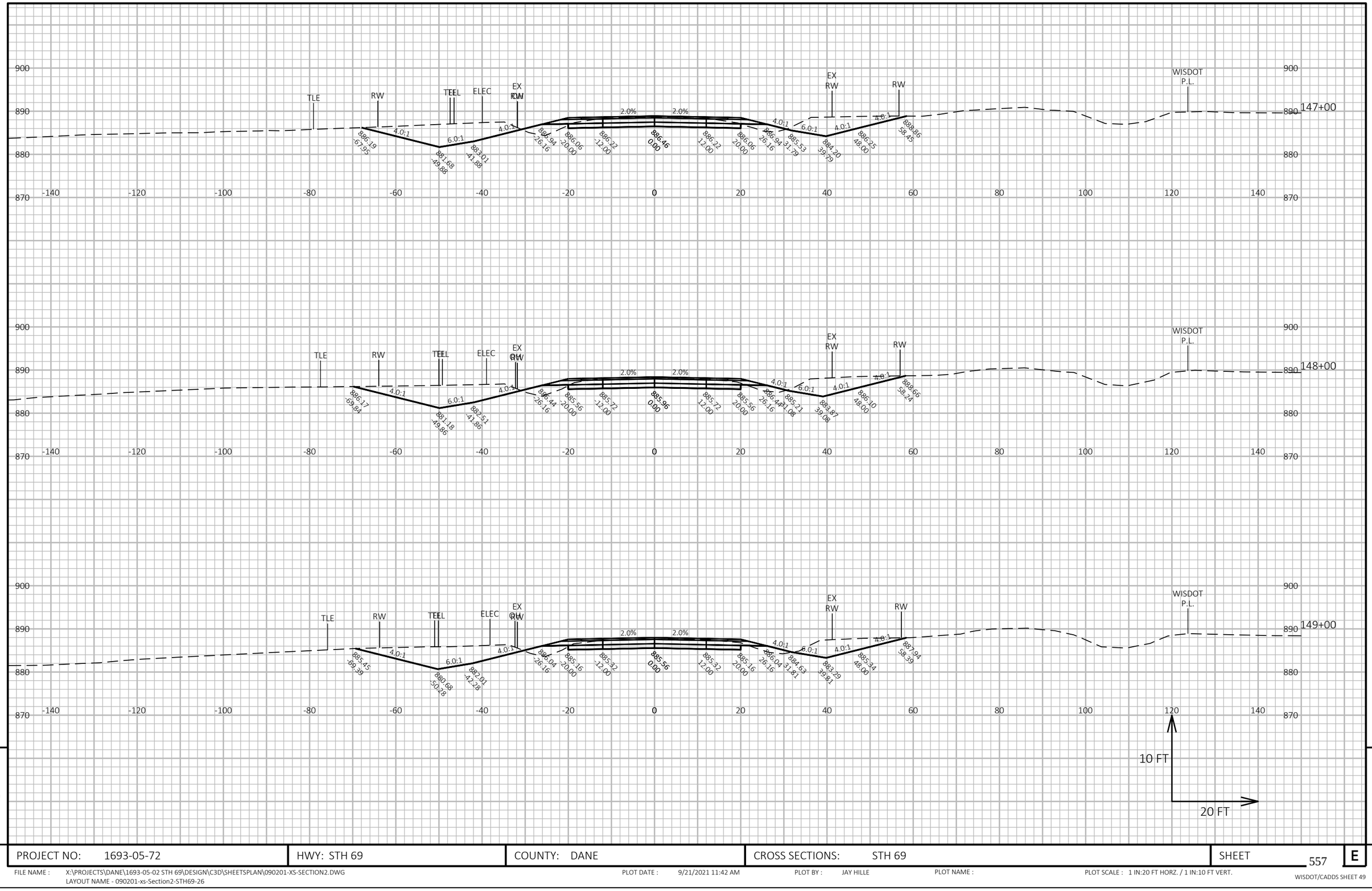


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 556 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-25

PLOT DATE : 9/21/2021 11:42 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

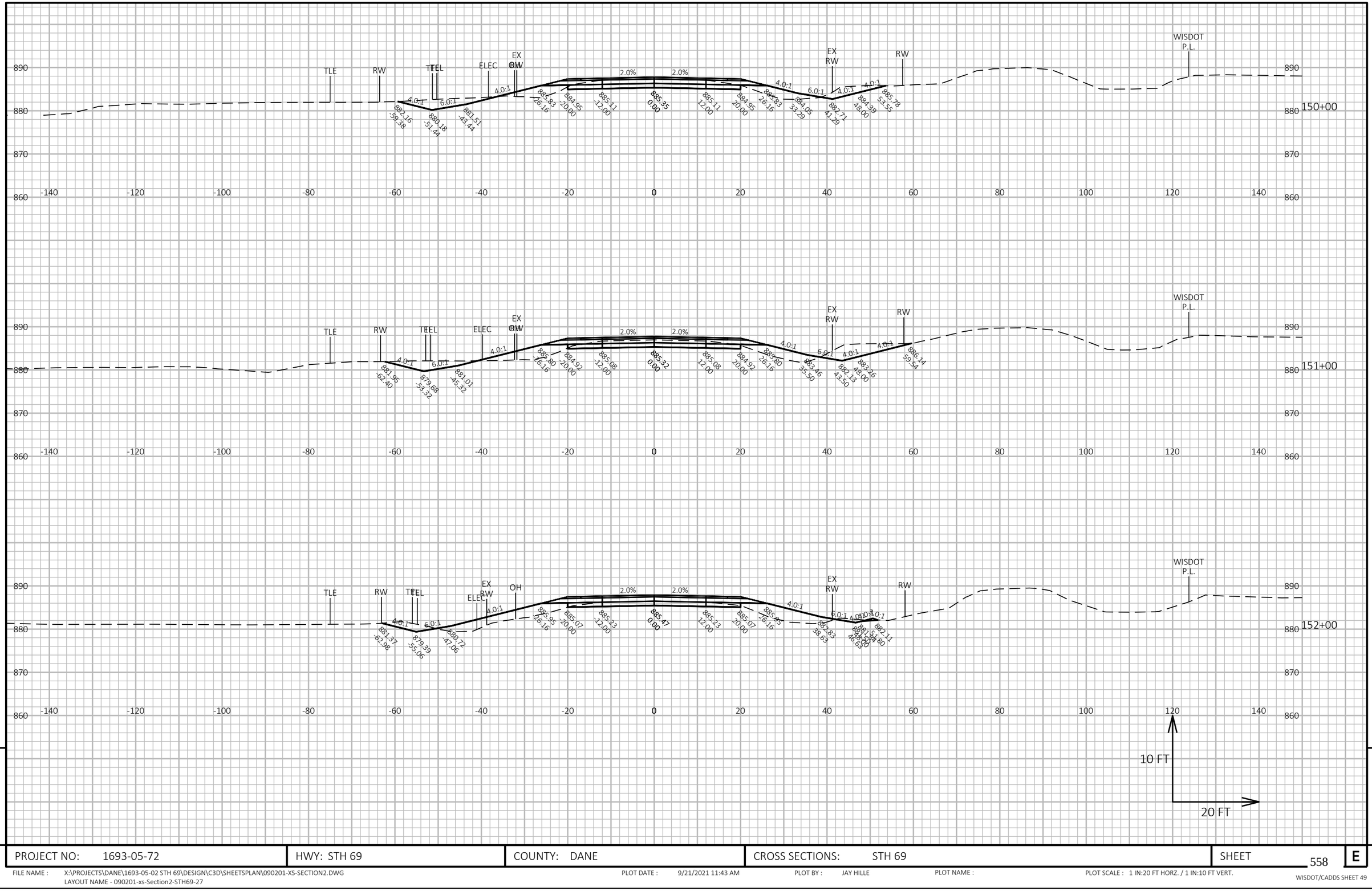
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 557	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-26

PLOT DATE : 9/21/2021 11:42 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



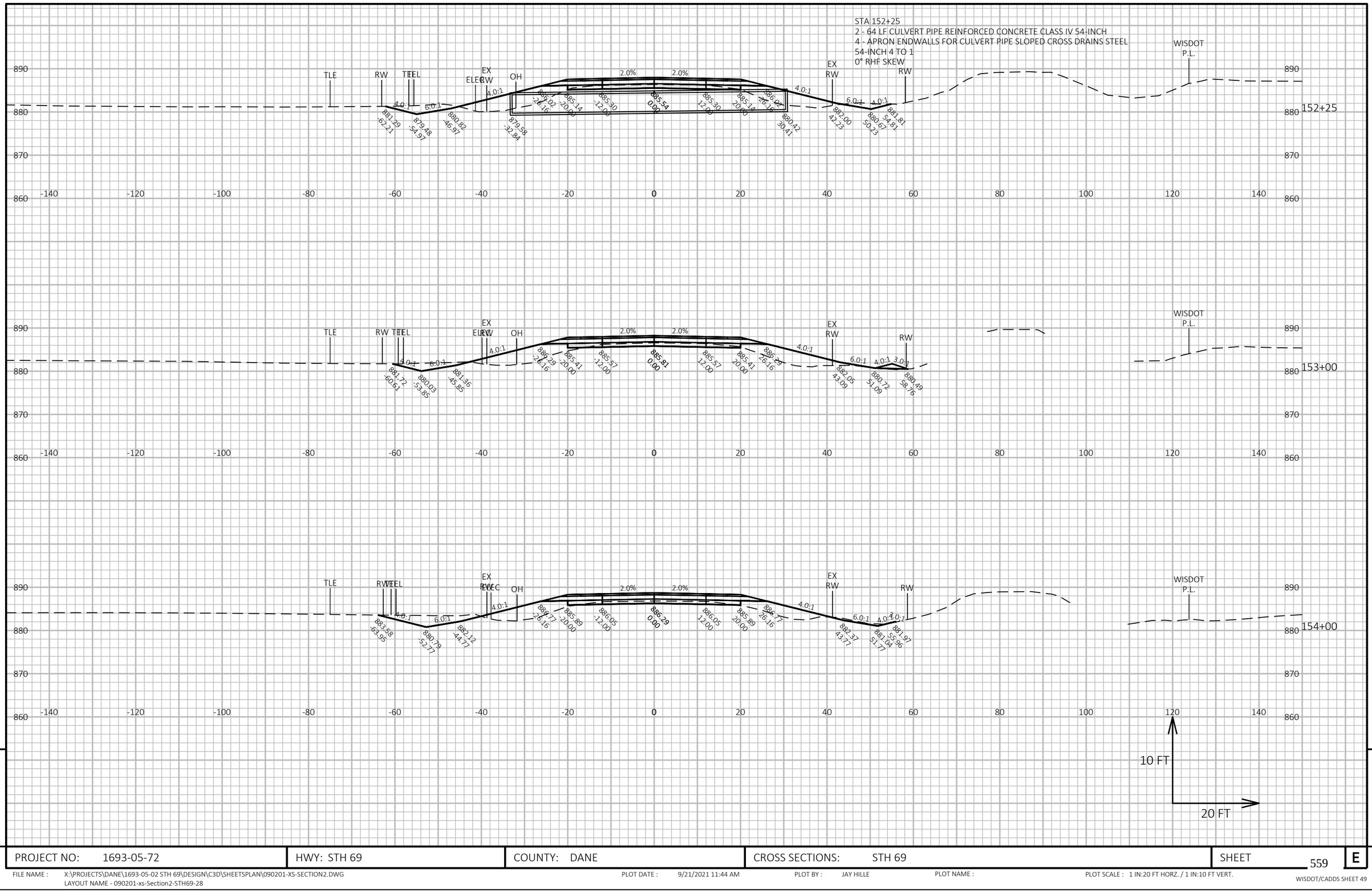
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 558	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-27

PLOT DATE : 9/21/2021 11:43 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

STA 152+25
2 - 64 LF CULVERT PIPE REINFORCED CONCRETE CLASS IV 54-INCH
4 - APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 54-INCH 4 TO 1
0° RHF SKEW



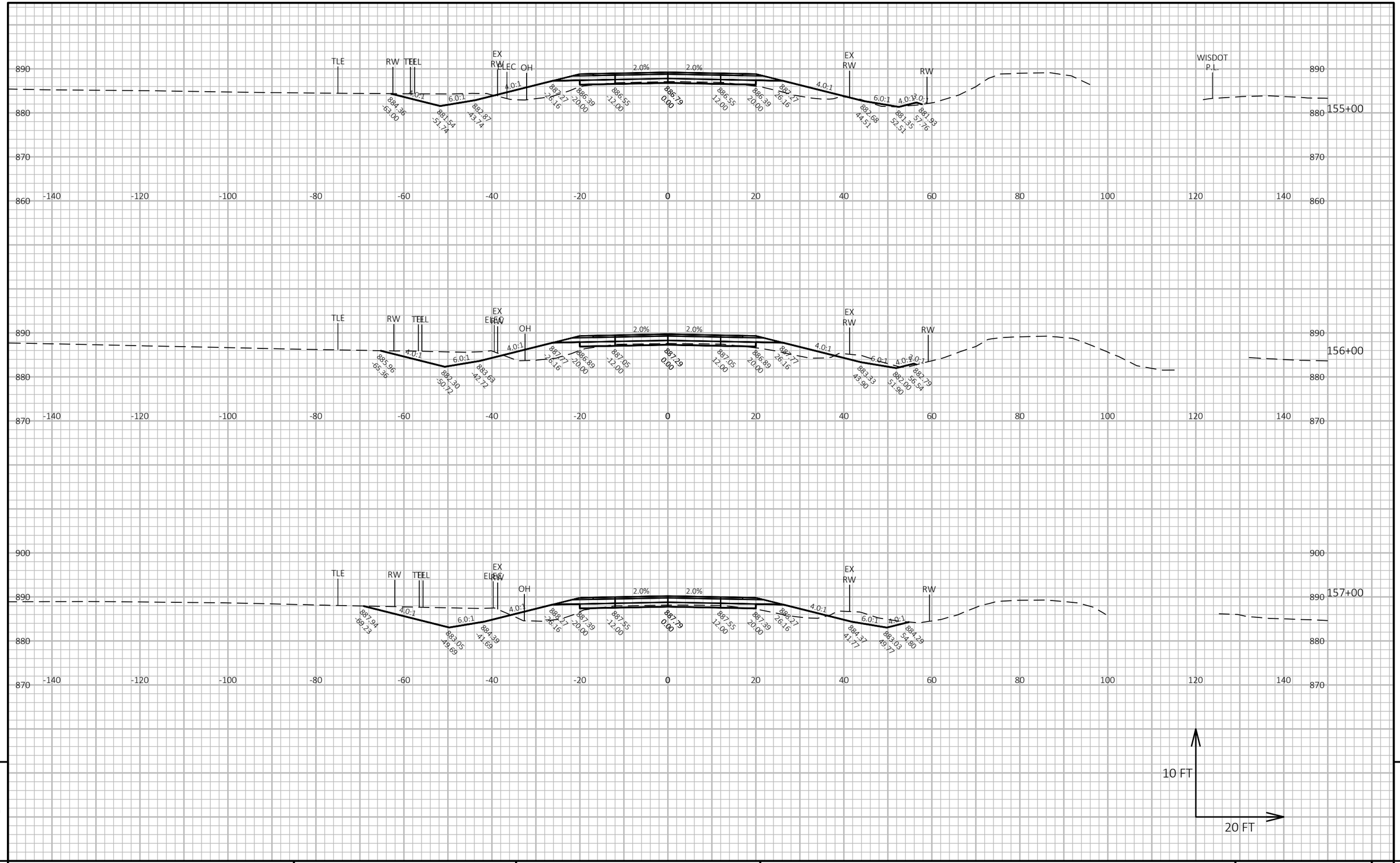
9

9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 559	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-28

PLOT DATE : 9/21/2021 11:44 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

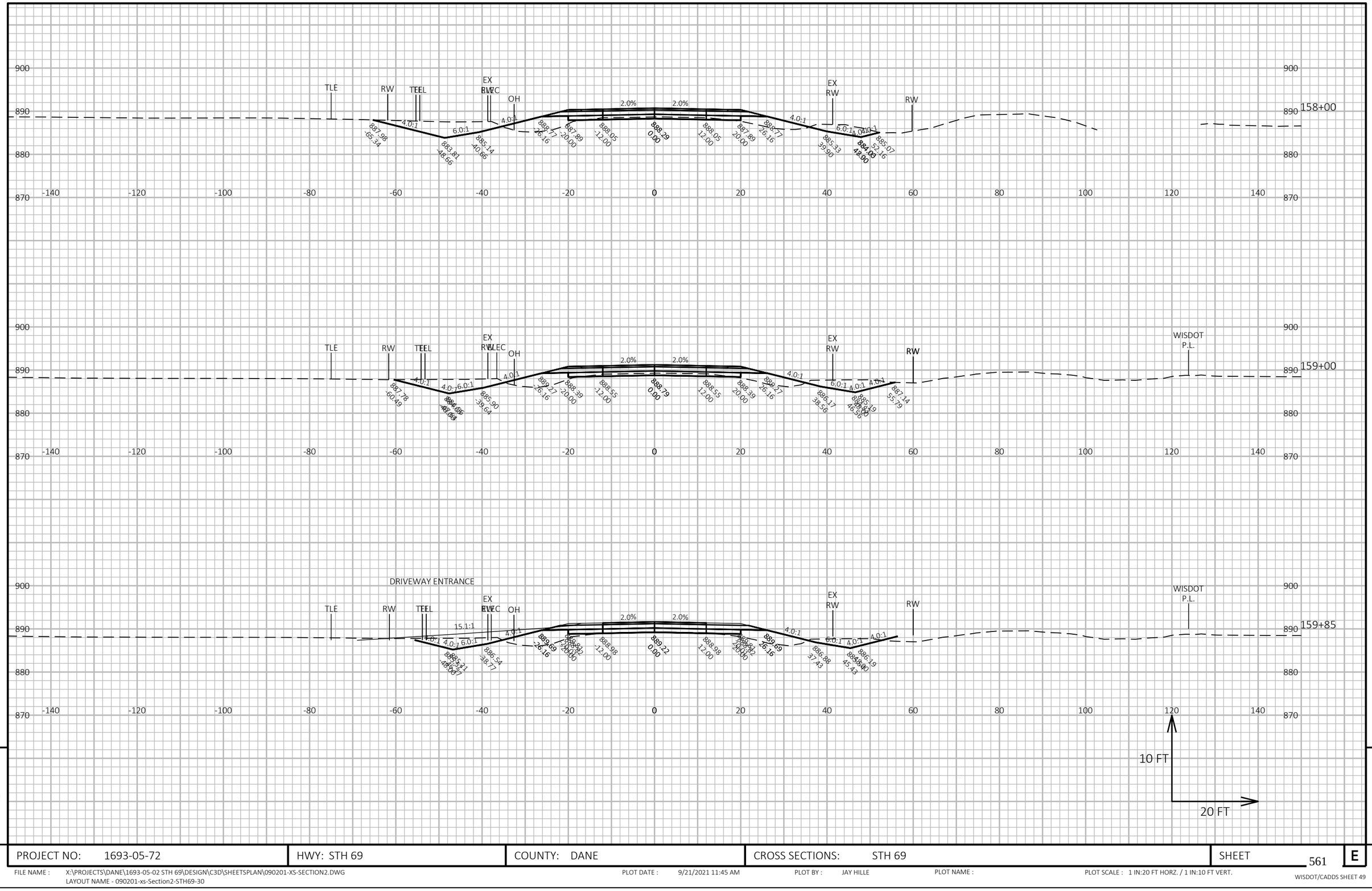


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 560	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-29

PLOT DATE : 9/21/2021 11:44 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

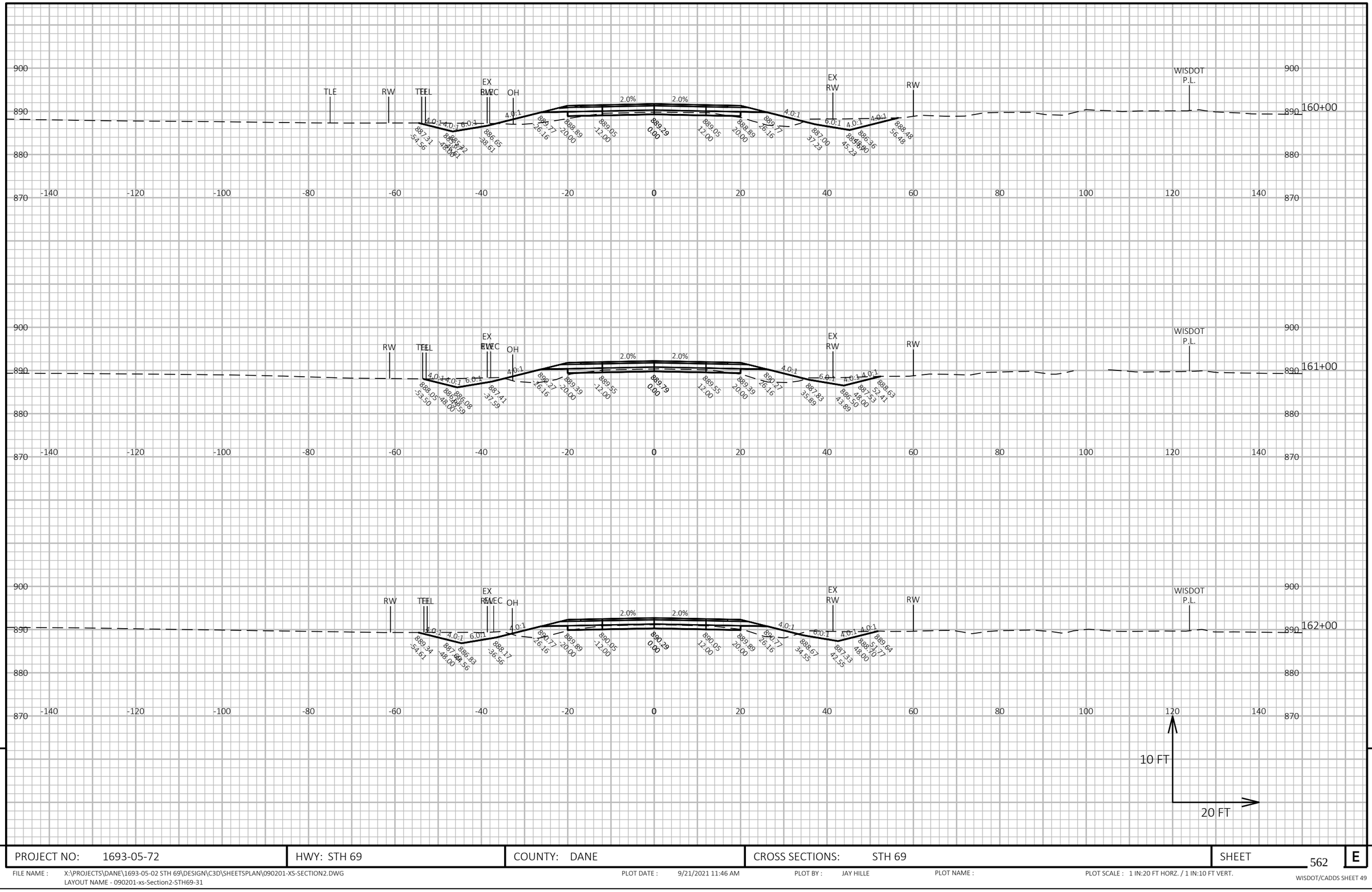
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 561	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-30

PLOT DATE : 9/21/2021 11:45 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

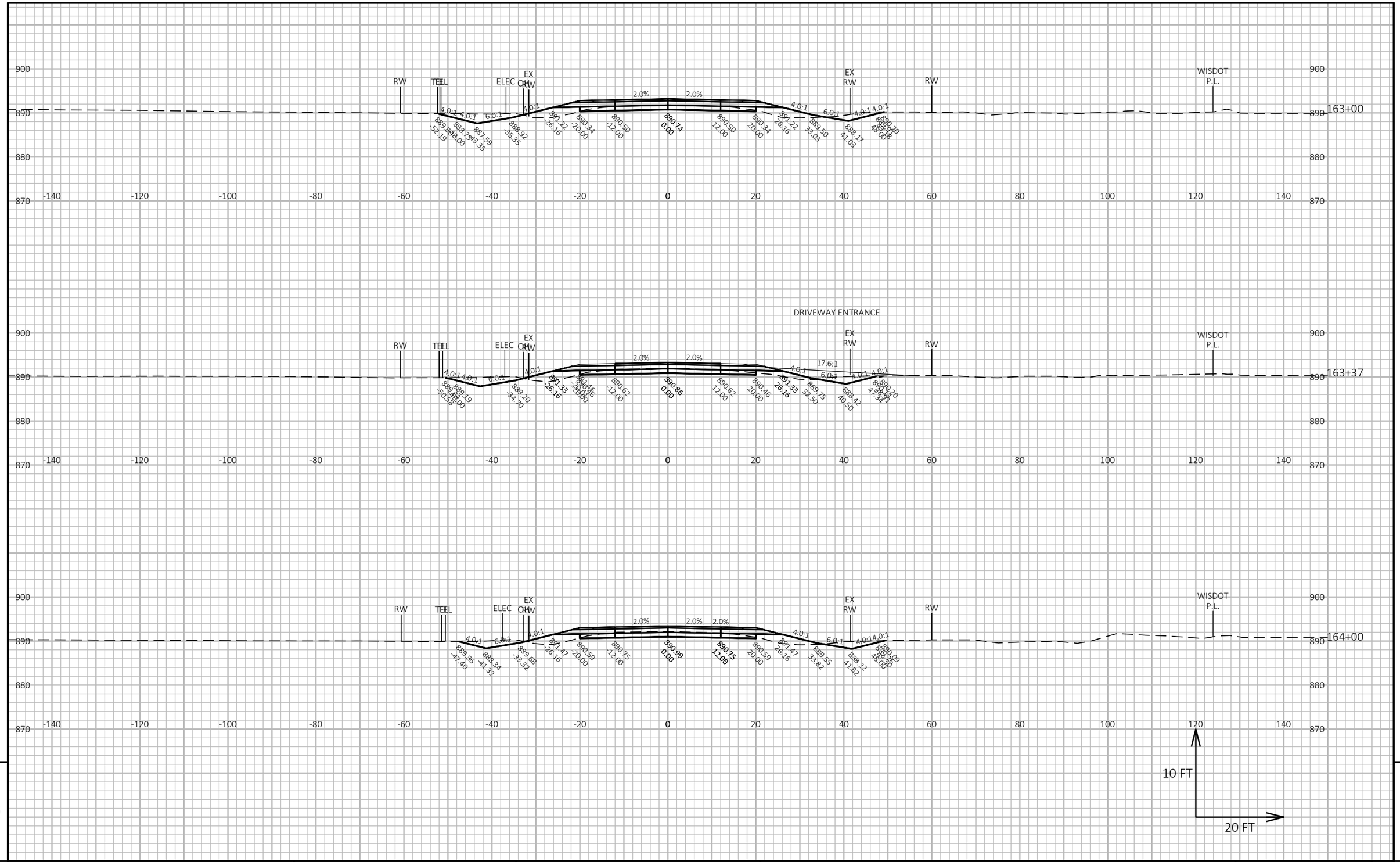


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 562	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-31

PLOT DATE : 9/21/2021 11:46 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

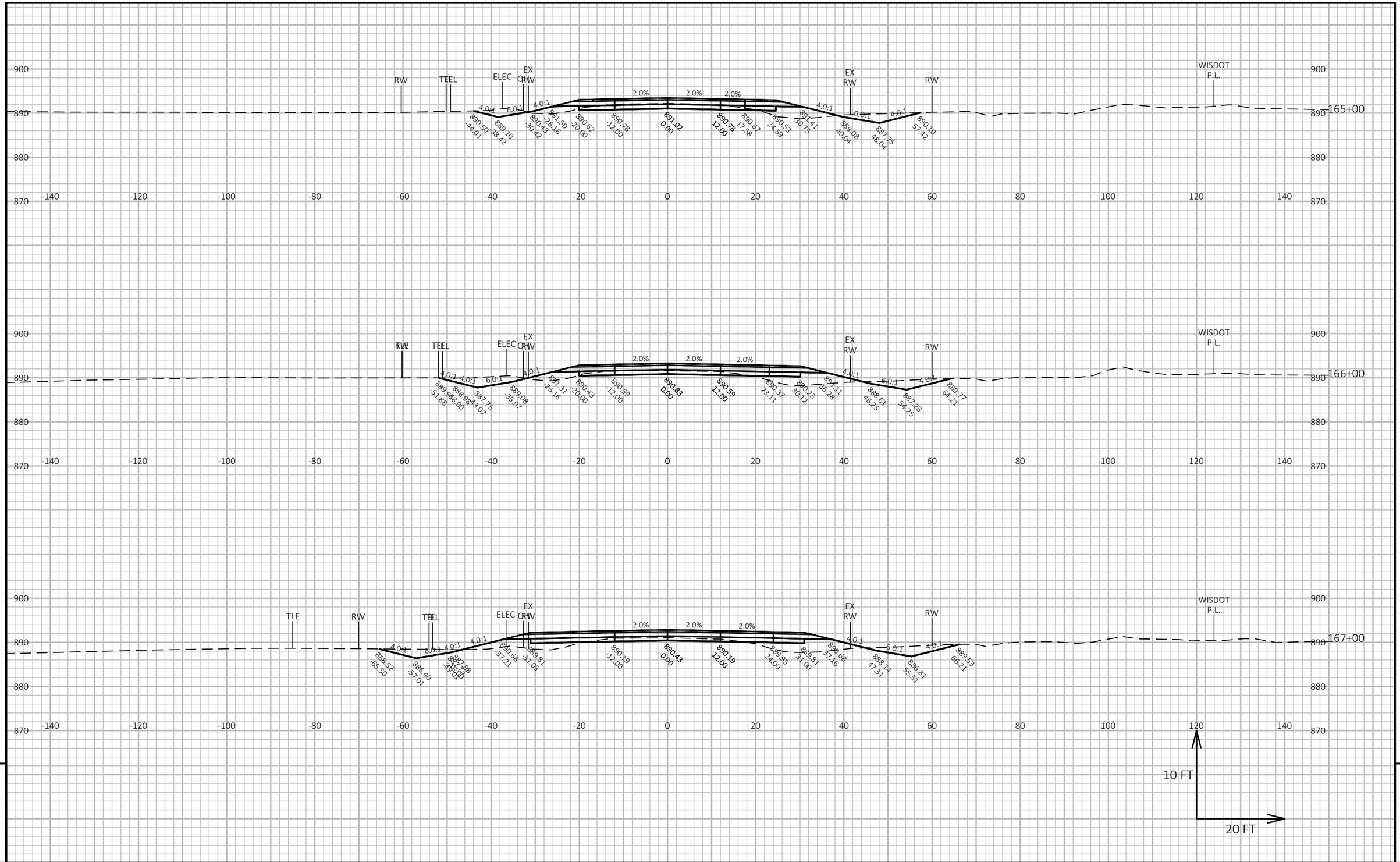
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 563	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-32

PLOT DATE : 9/21/2021 11:46 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



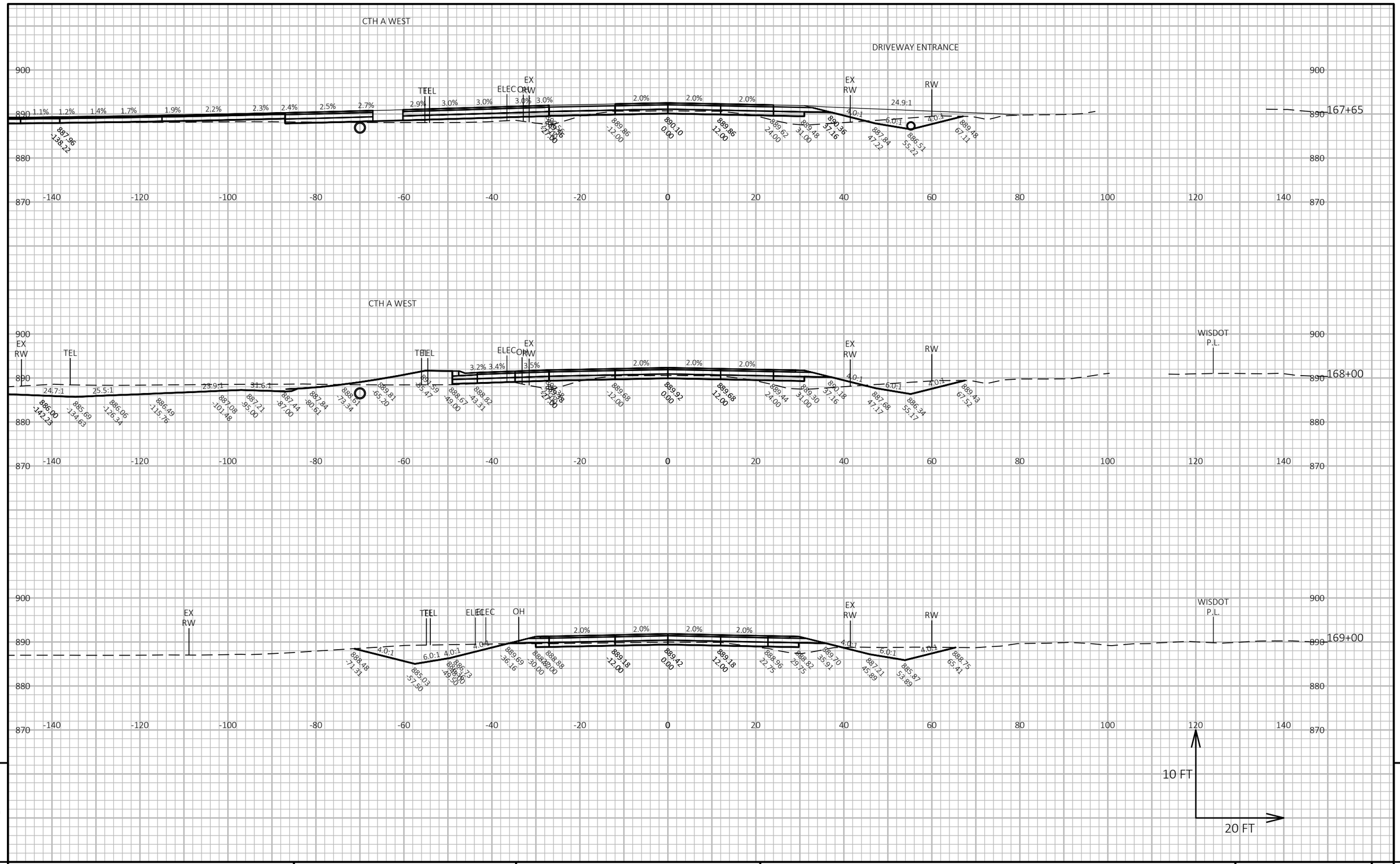
9

9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 564	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-33

PLOT DATE : 9/21/2021 11:47 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

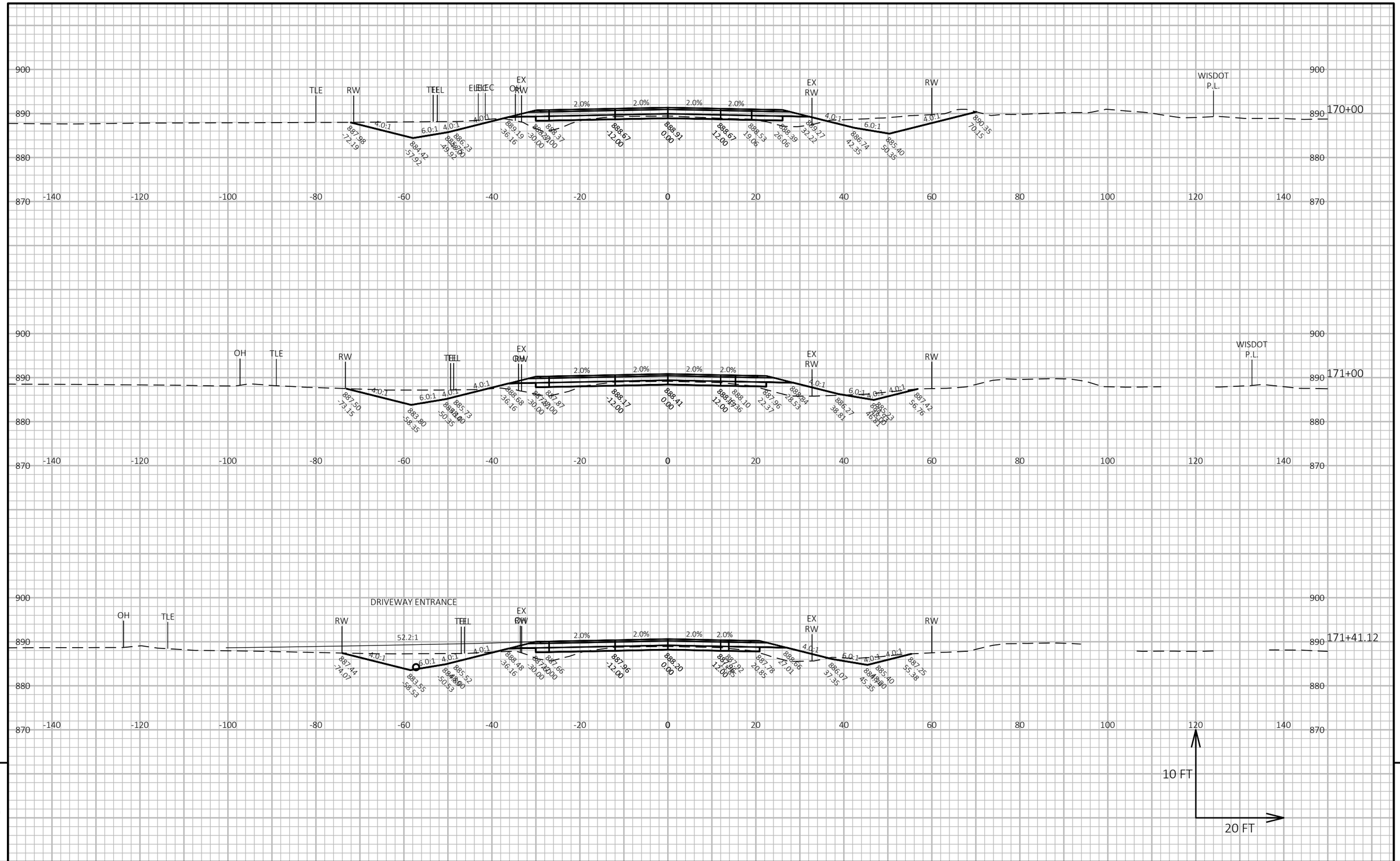
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 565	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-34

PLOT DATE : 9/21/2021 11:48 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

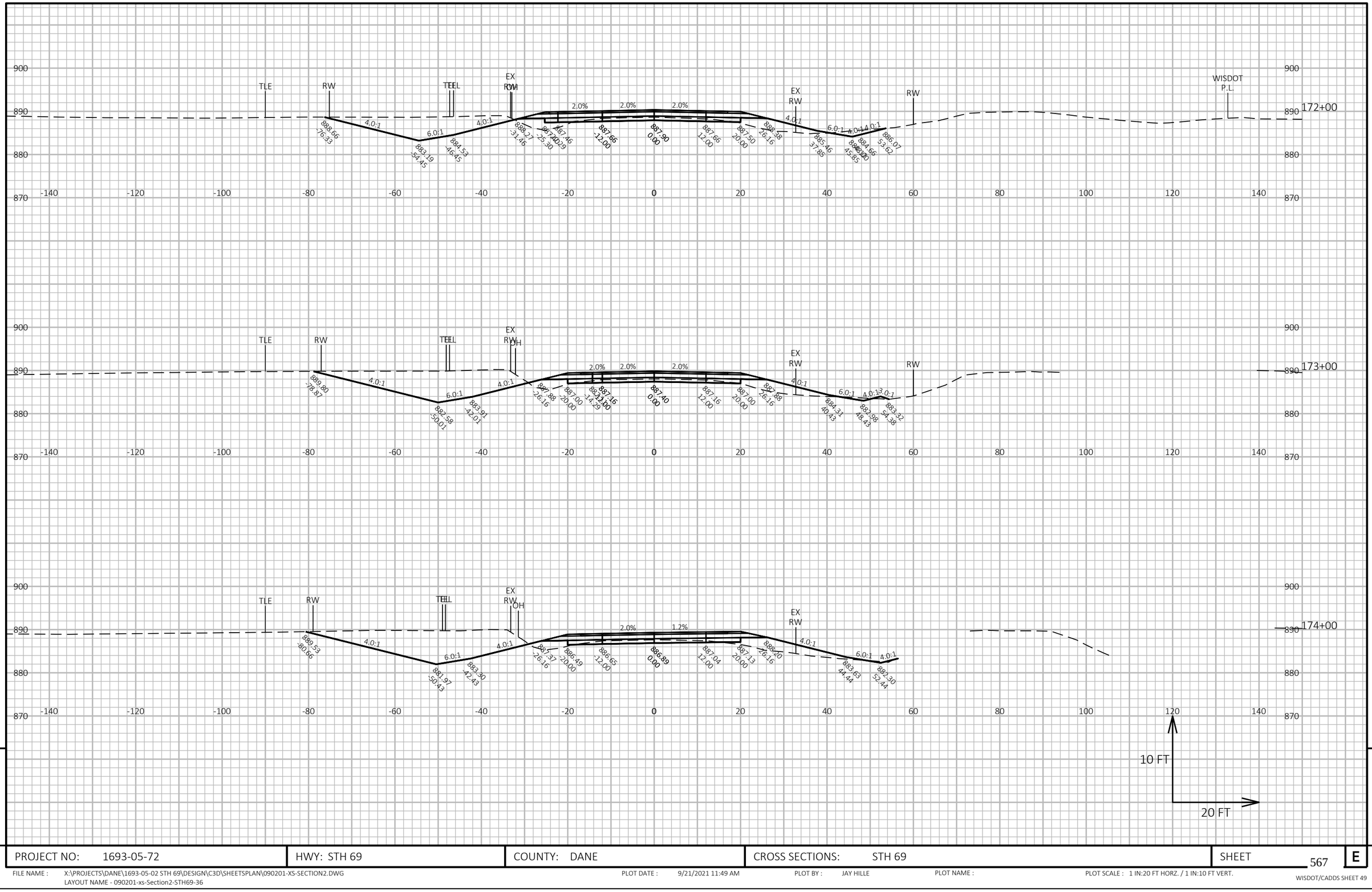
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 566	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-35

PLOT DATE : 9/21/2021 11:49 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

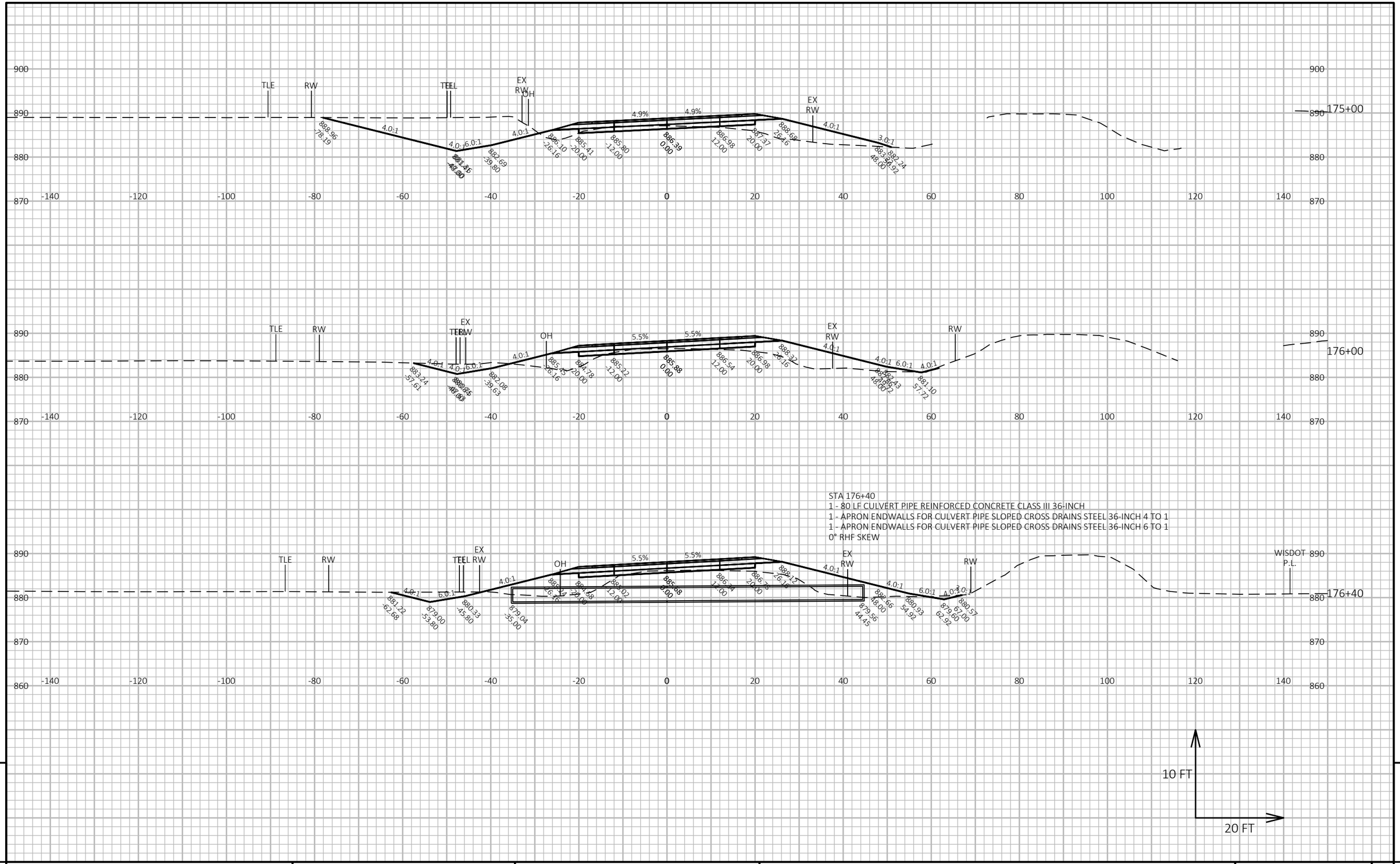
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 567	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-36

PLOT DATE : 9/21/2021 11:49 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

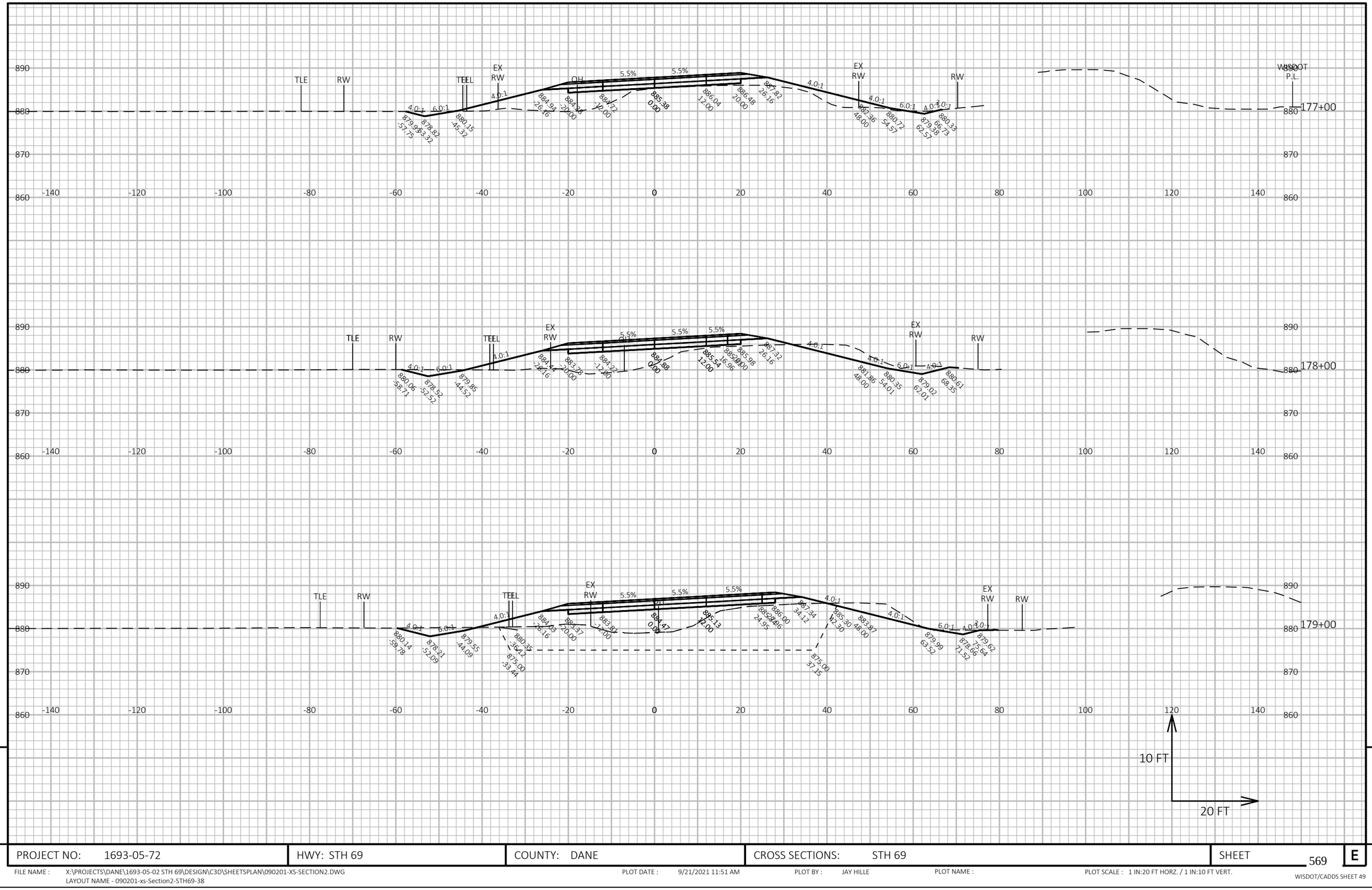
WISDOT/CADDS SHEET 49



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 568 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-37
PLOT DATE : 9/21/2021 11:50 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

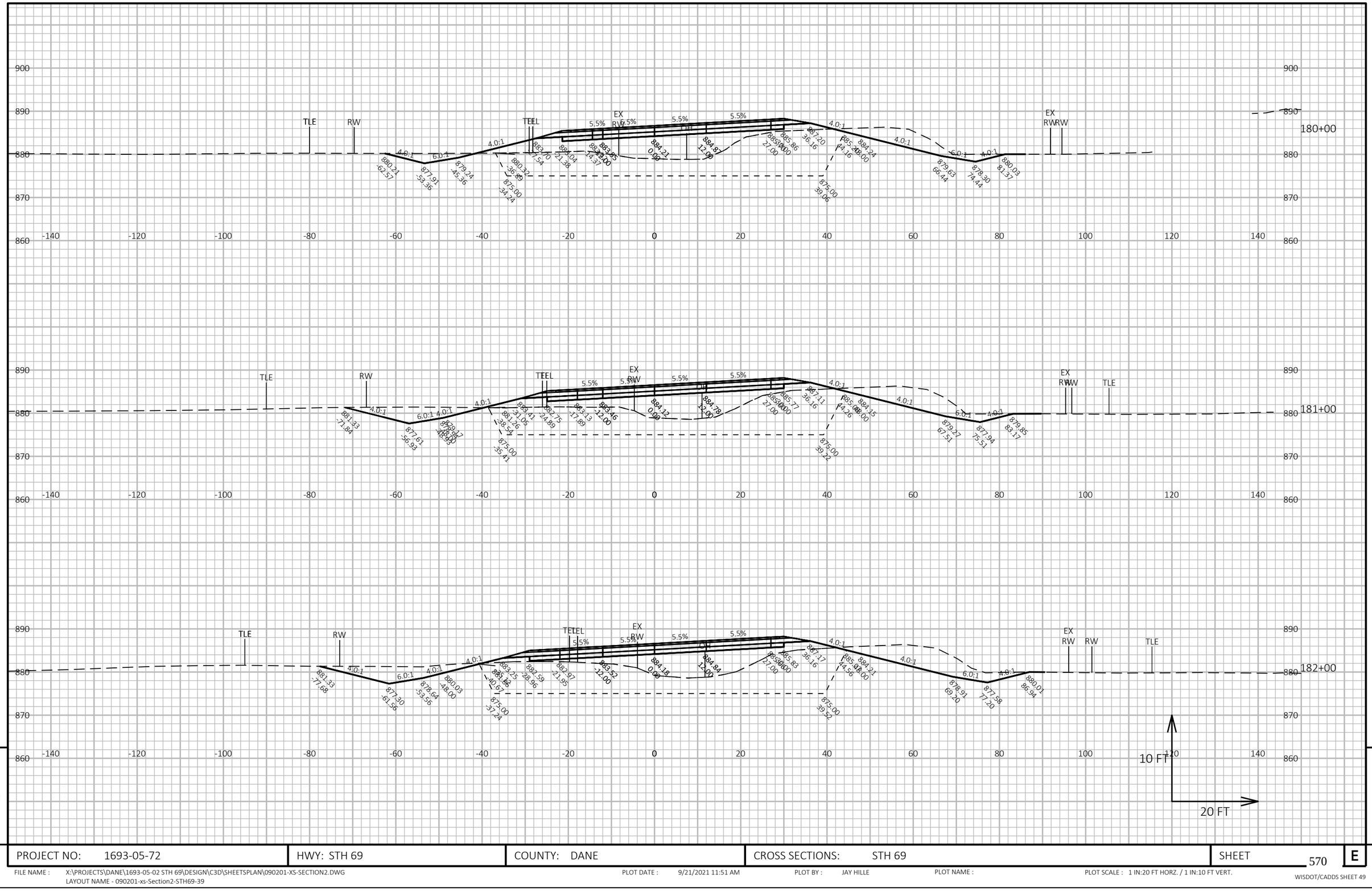


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 569	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-38

PLOT DATE : 9/21/2021 11:51 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

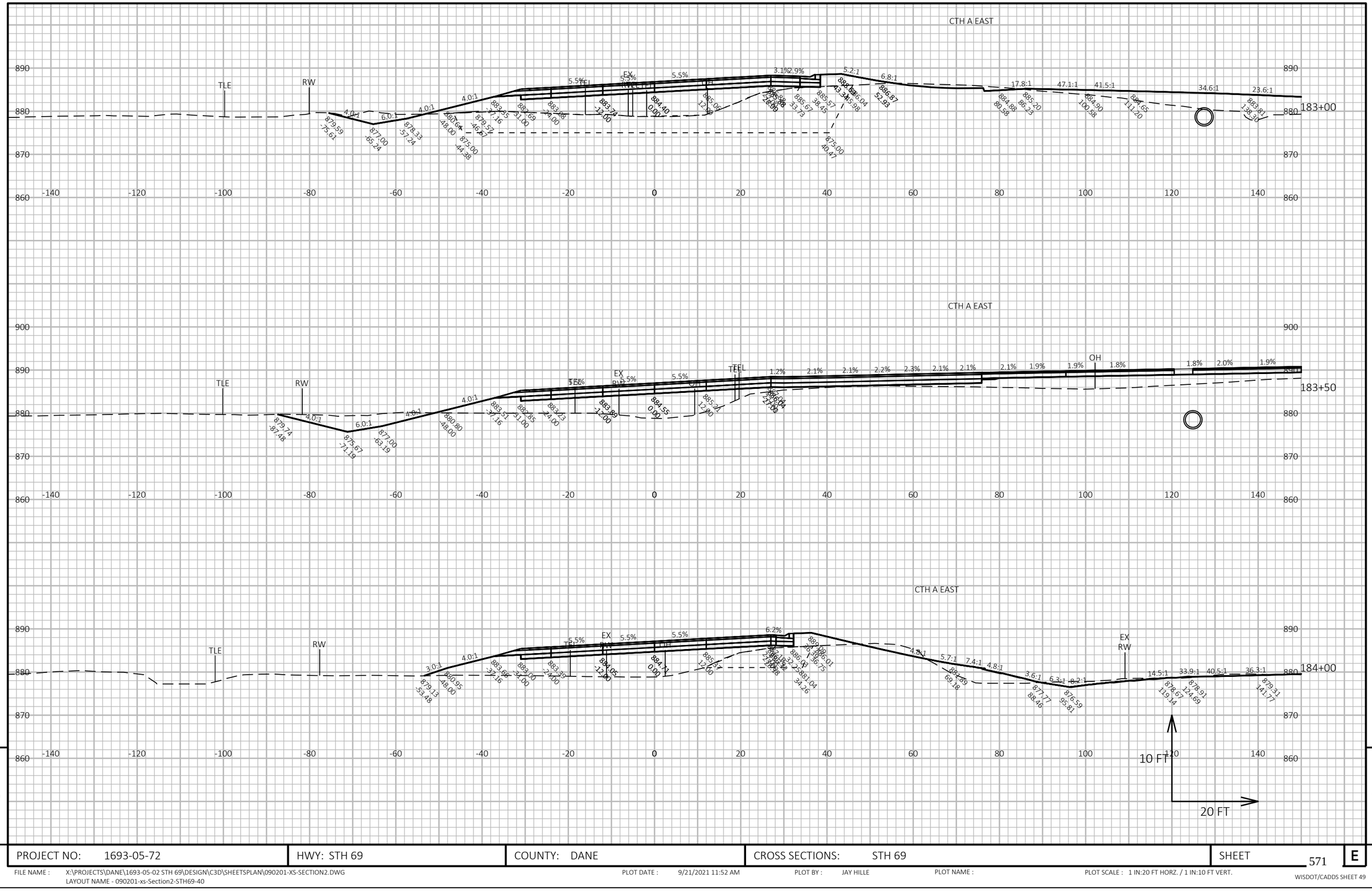


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 570 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-39

PLOT DATE : 9/21/2021 11:51 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

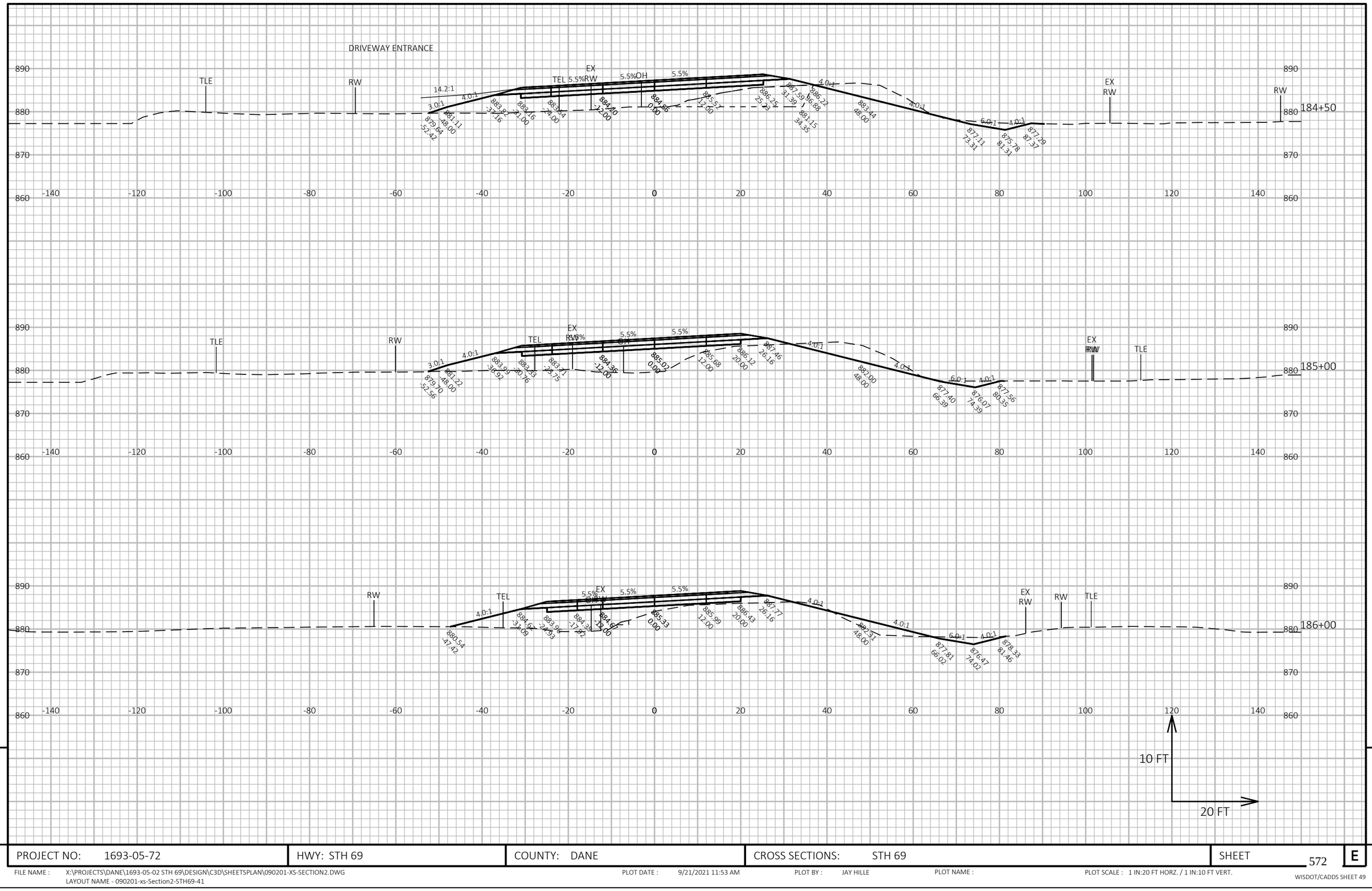


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 571	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-40

PLOT DATE : 9/21/2021 11:52 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

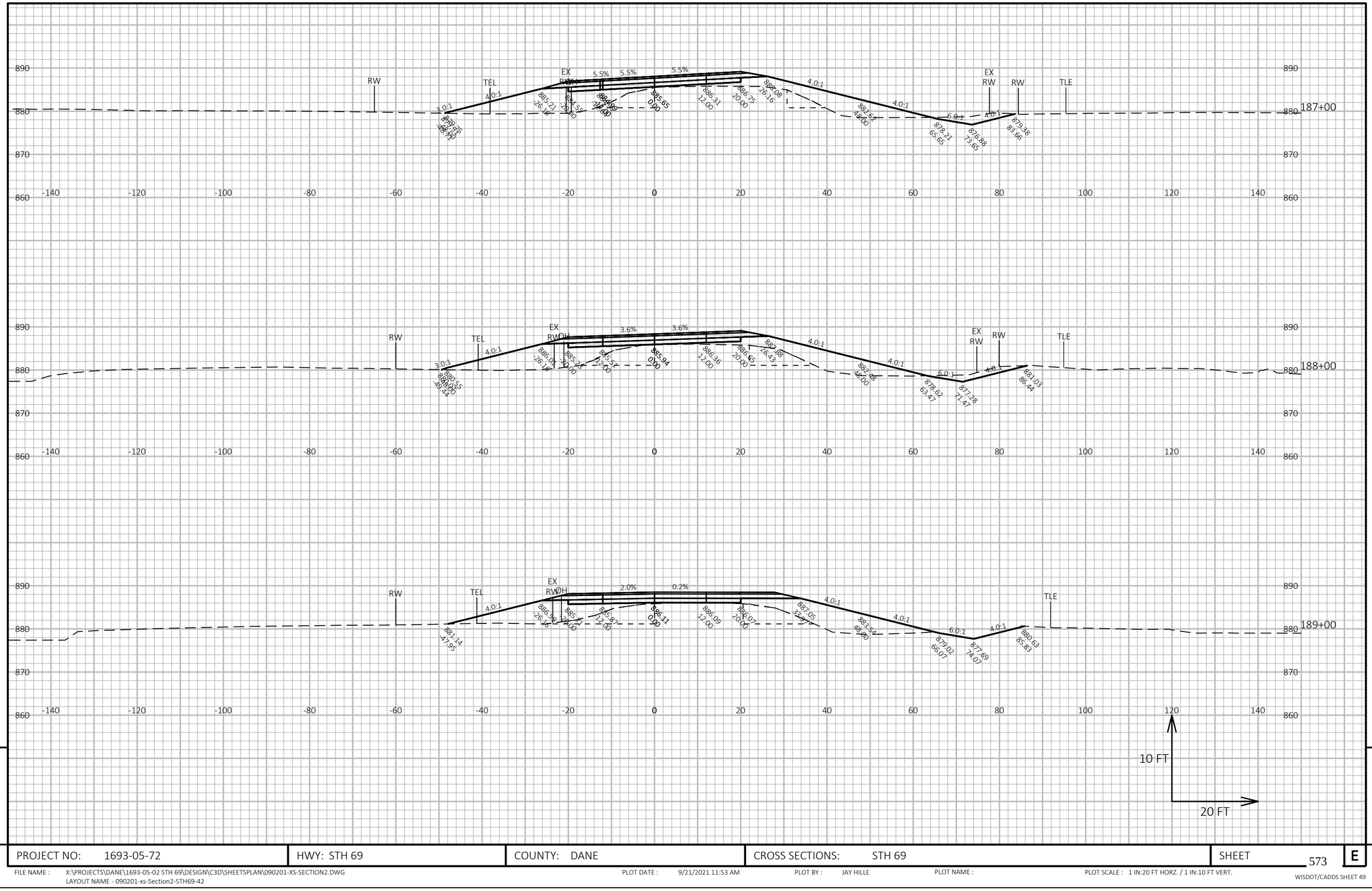


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 572 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-41

PLOT DATE : 9/21/2021 11:53 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

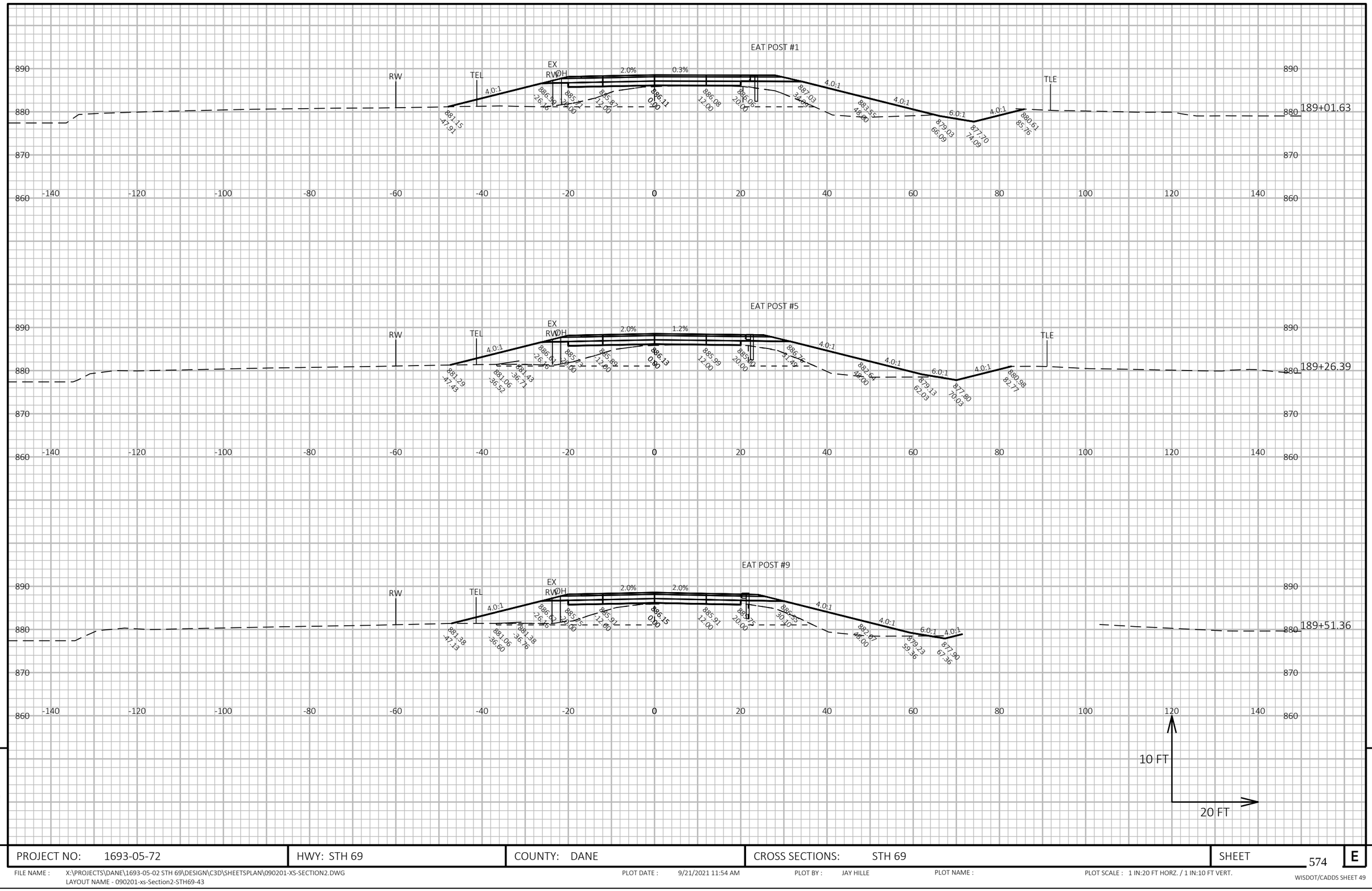


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 573	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-42

PLOT DATE : 9/21/2021 11:53 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

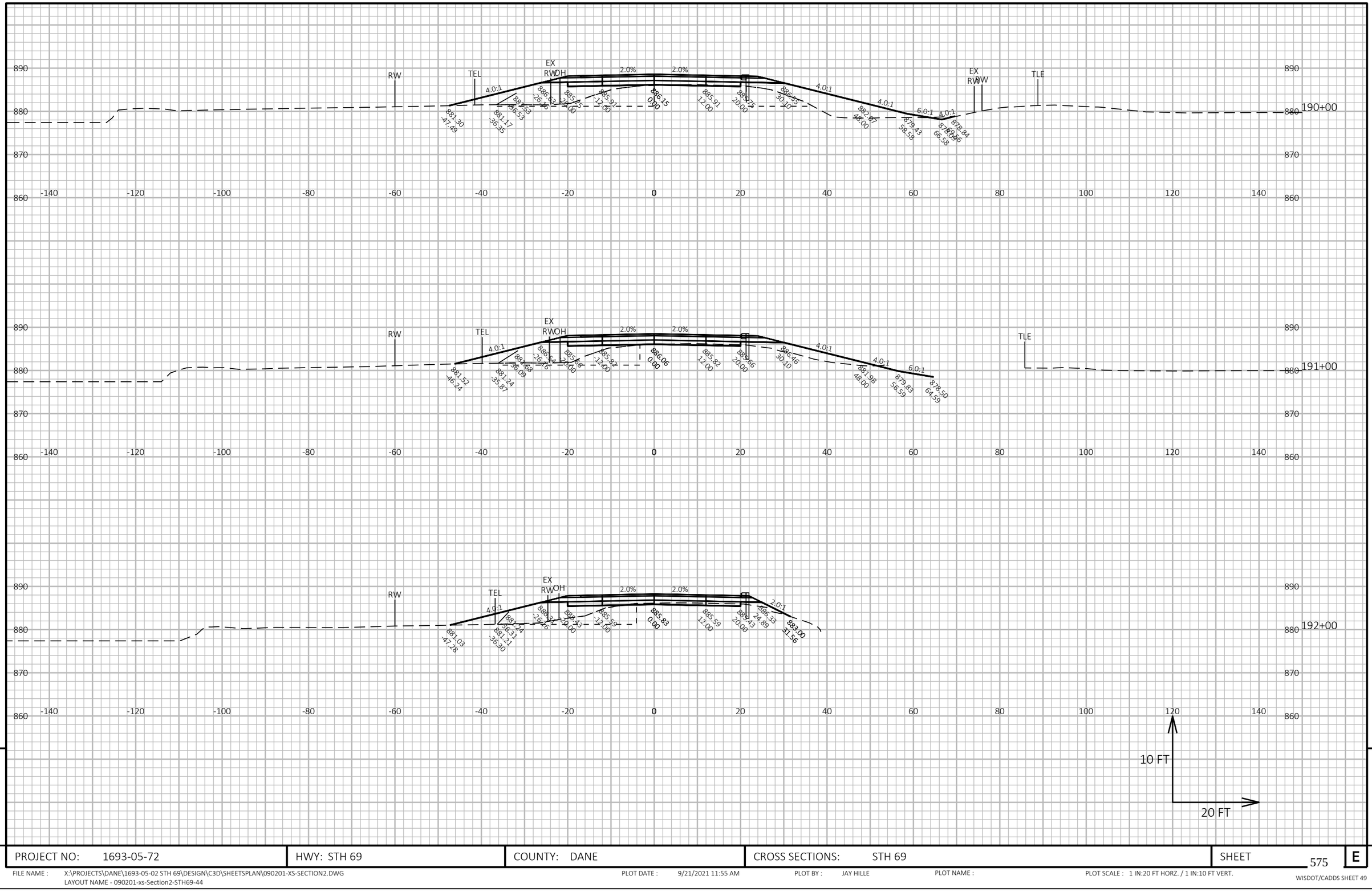
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 574	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-43

PLOT DATE : 9/21/2021 11:54 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

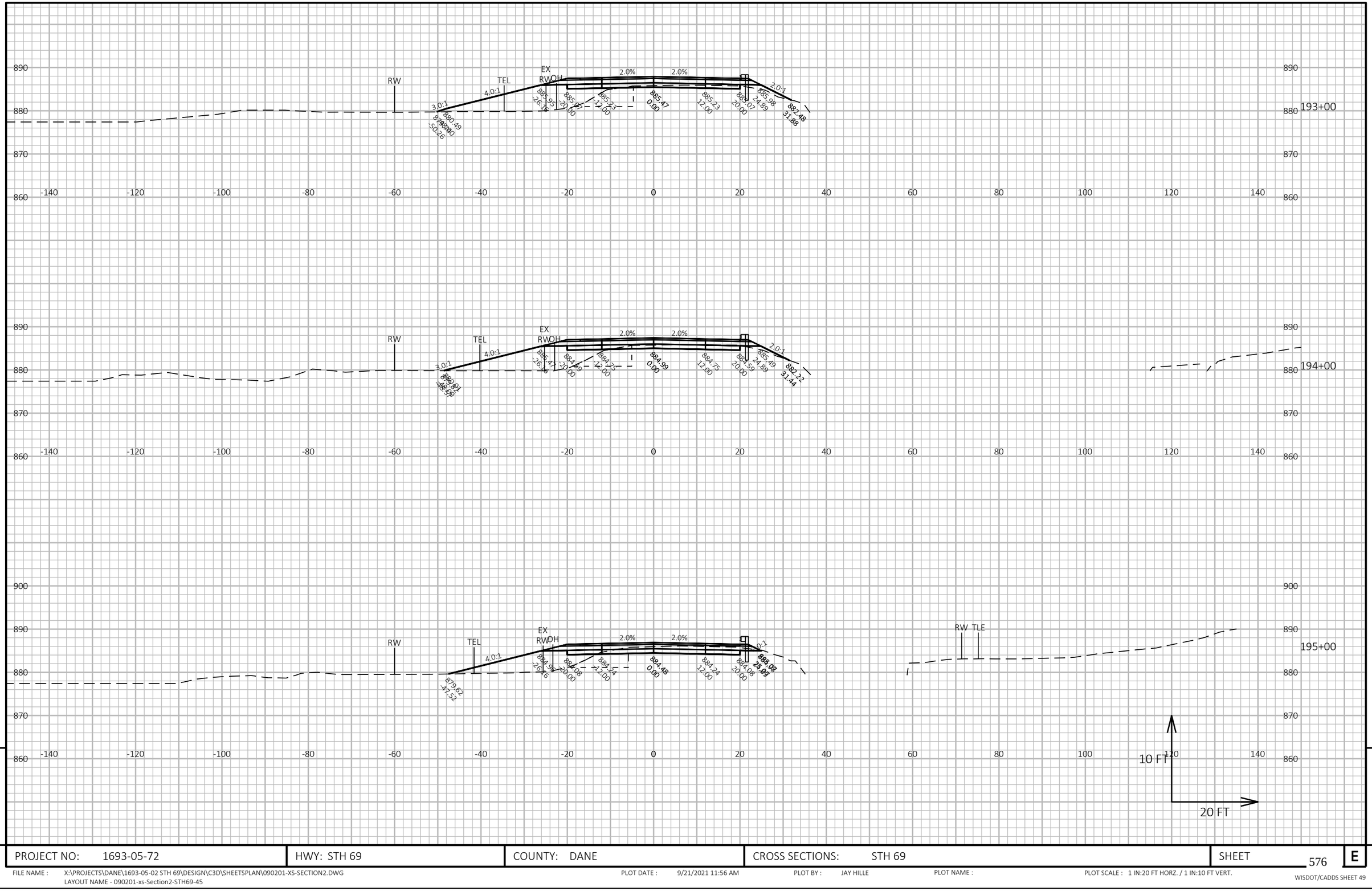
WISDOT/CADDS SHEET 49



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 575	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-44

PLOT DATE : 9/21/2021 11:55 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

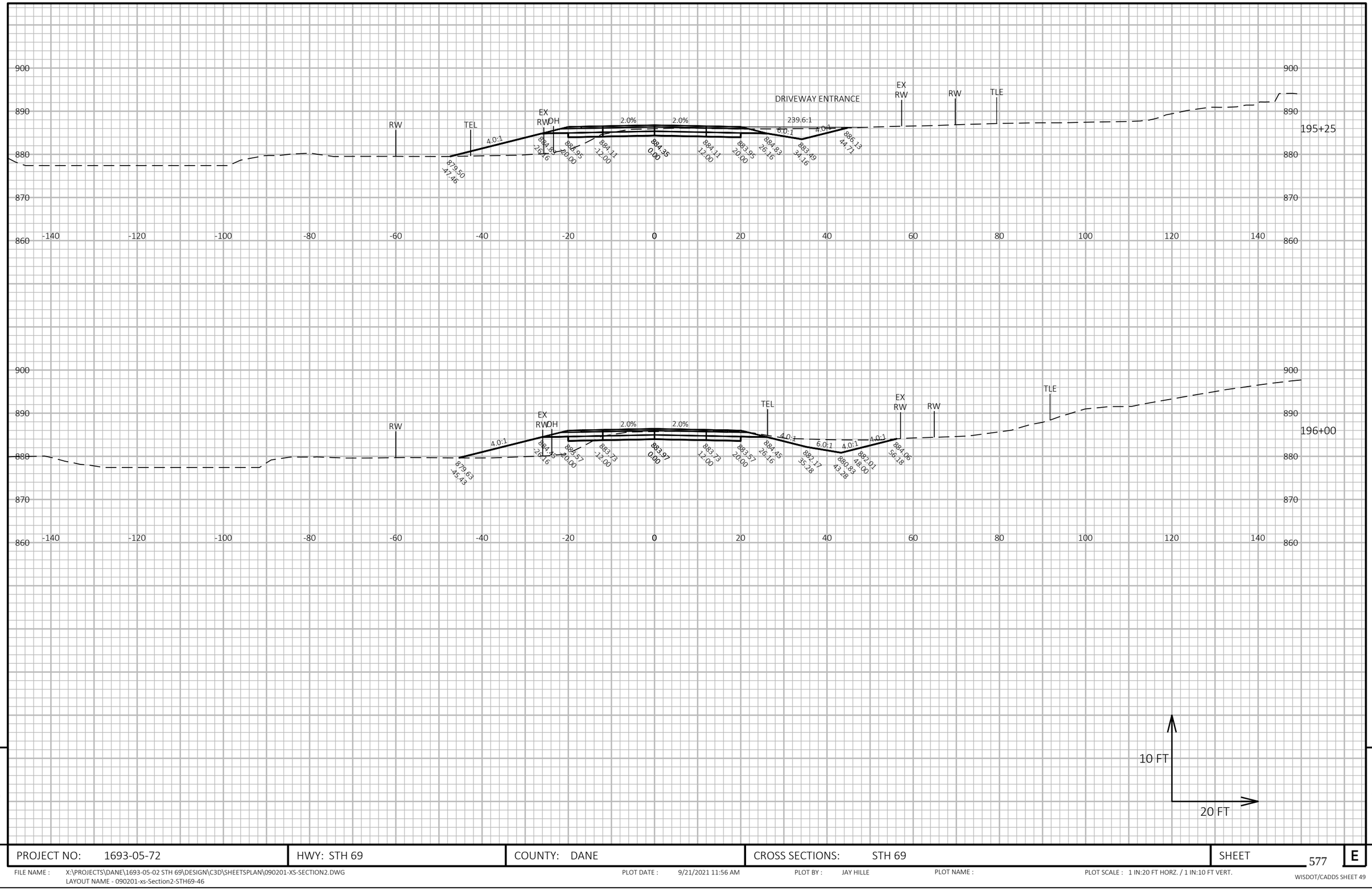


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 576 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-45

PLOT DATE : 9/21/2021 11:56 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



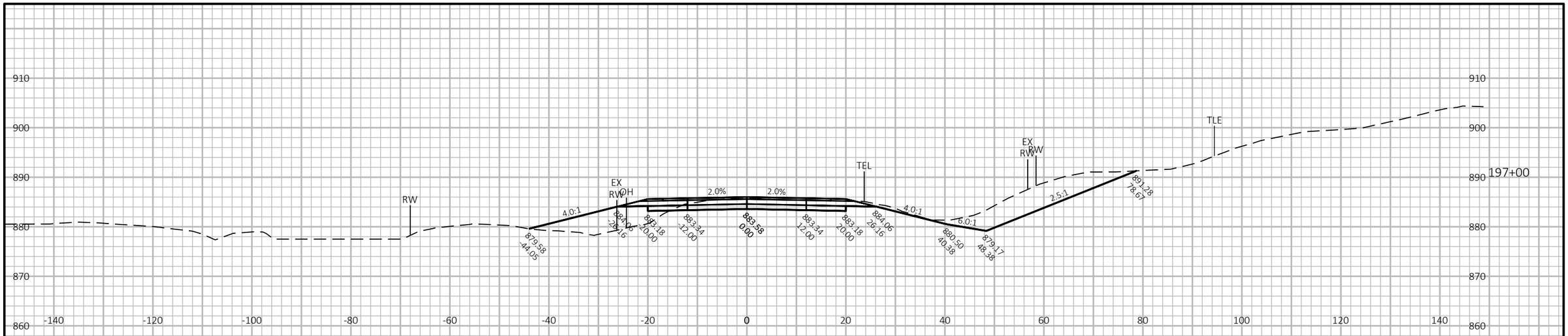
9

9

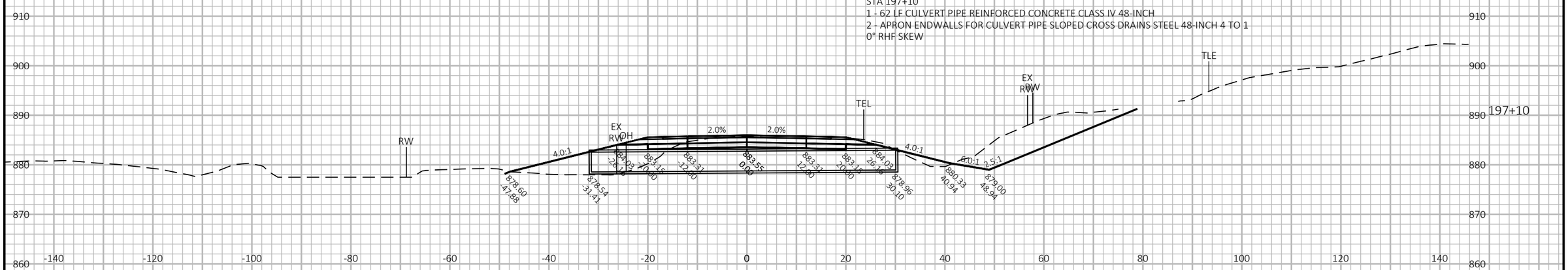
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 577	E

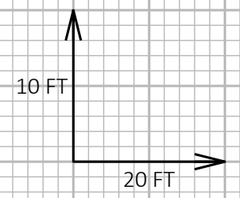
FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-46

PLOT DATE : 9/21/2021 11:56 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



STA 197+10
1 - 62 LF CULVERT PIPE REINFORCED CONCRETE CLASS IV 48-INCH
2 - APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 48-INCH 4 TO 1
0° RHF SKEW





9

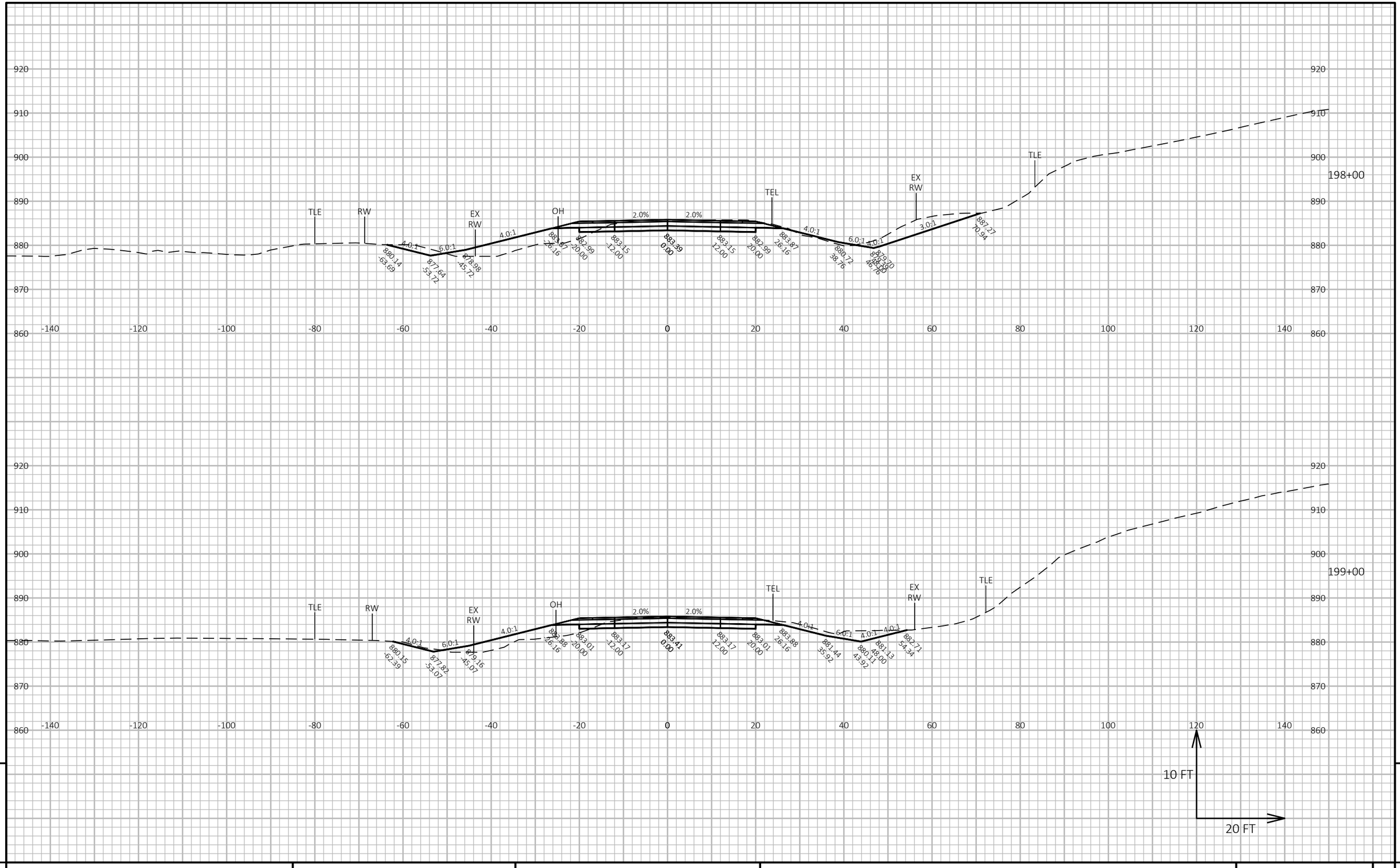
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 578	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-47

PLOT DATE : 9/21/2021 11:57 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

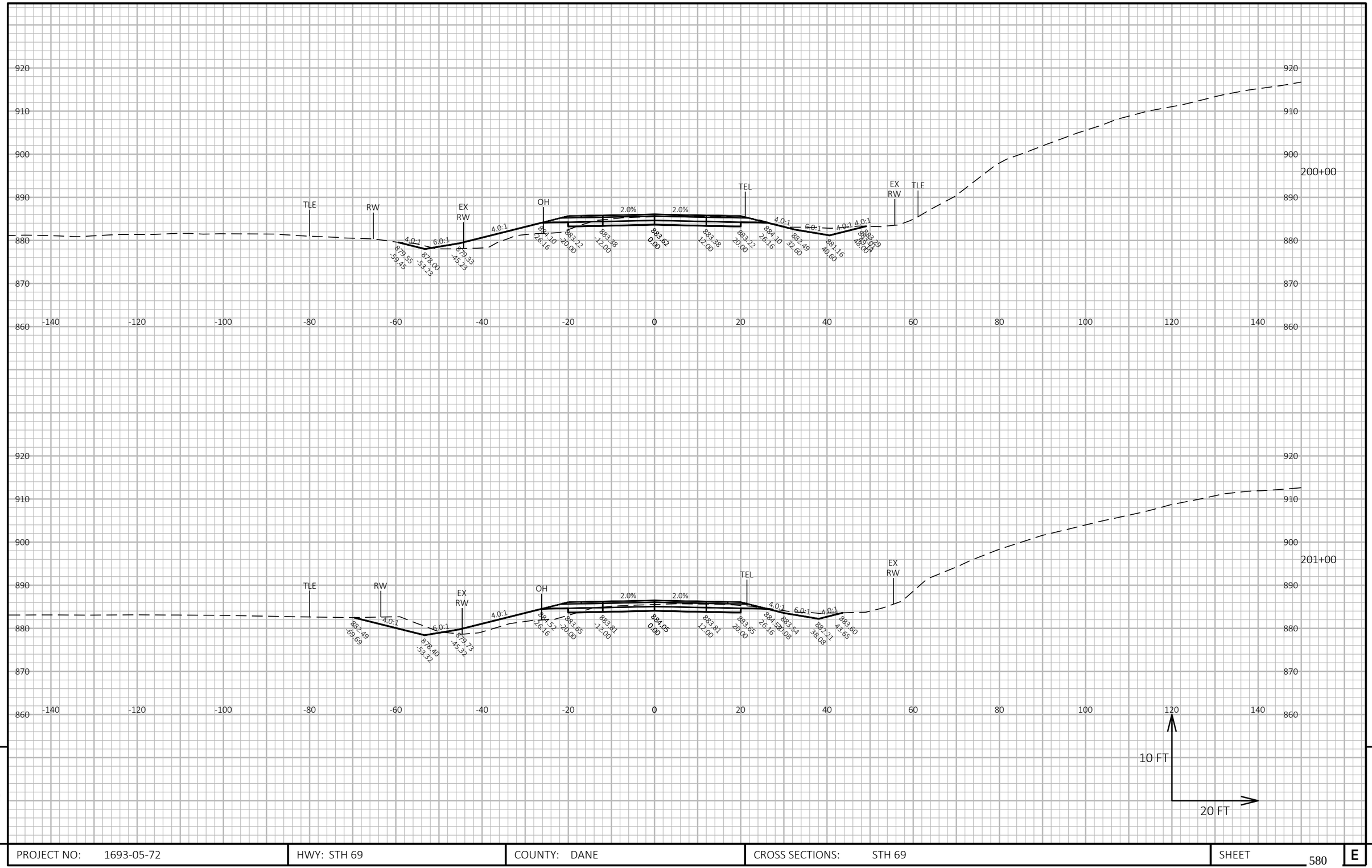
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 579	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-48

PLOT DATE : 9/21/2021 11:57 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

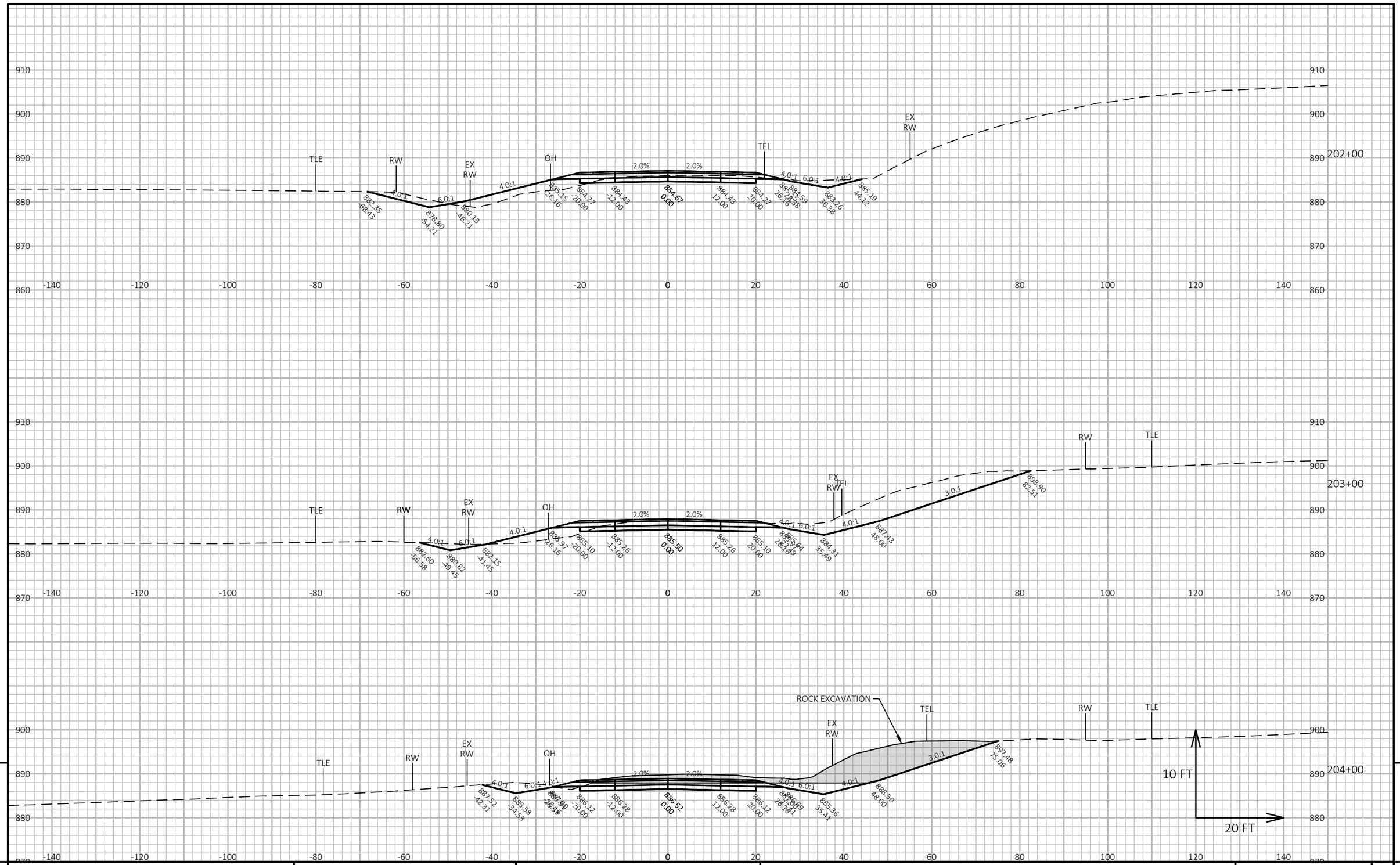


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 580	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-49

PLOT DATE : 9/21/2021 11:58 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

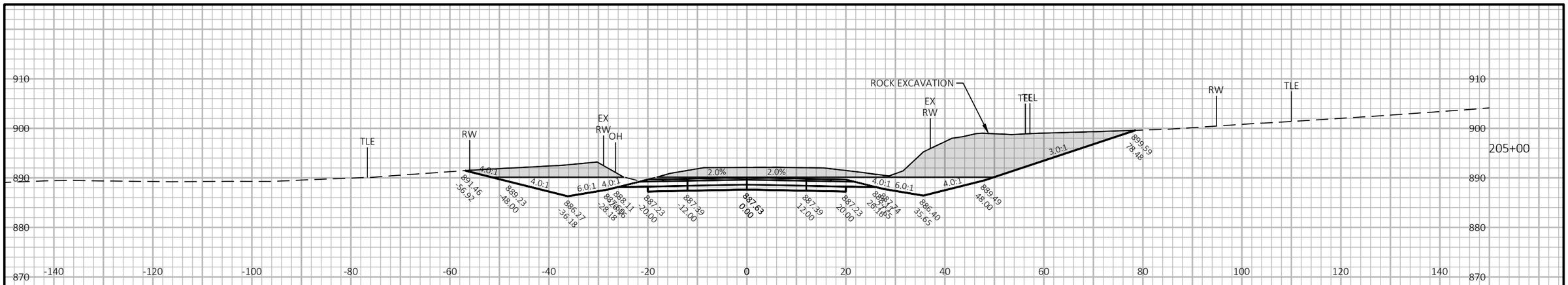


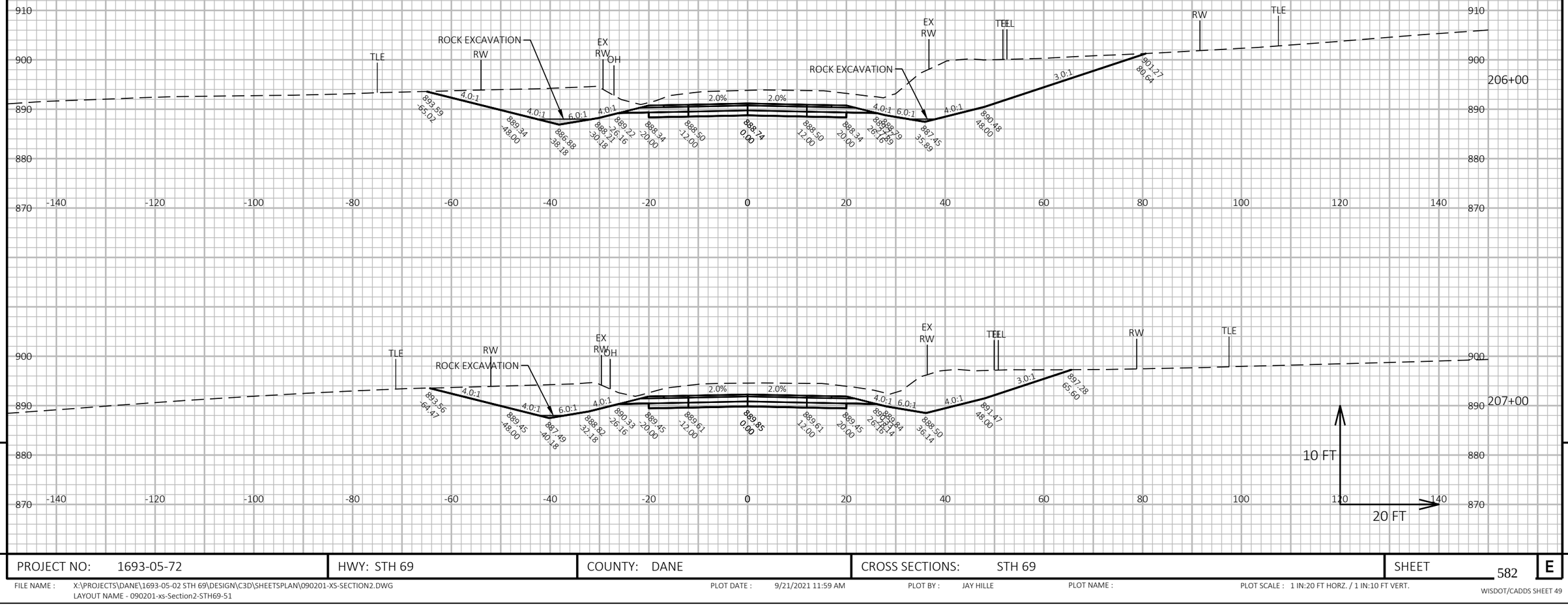
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 581	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-50

PLOT DATE : 9/21/2021 11:58 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

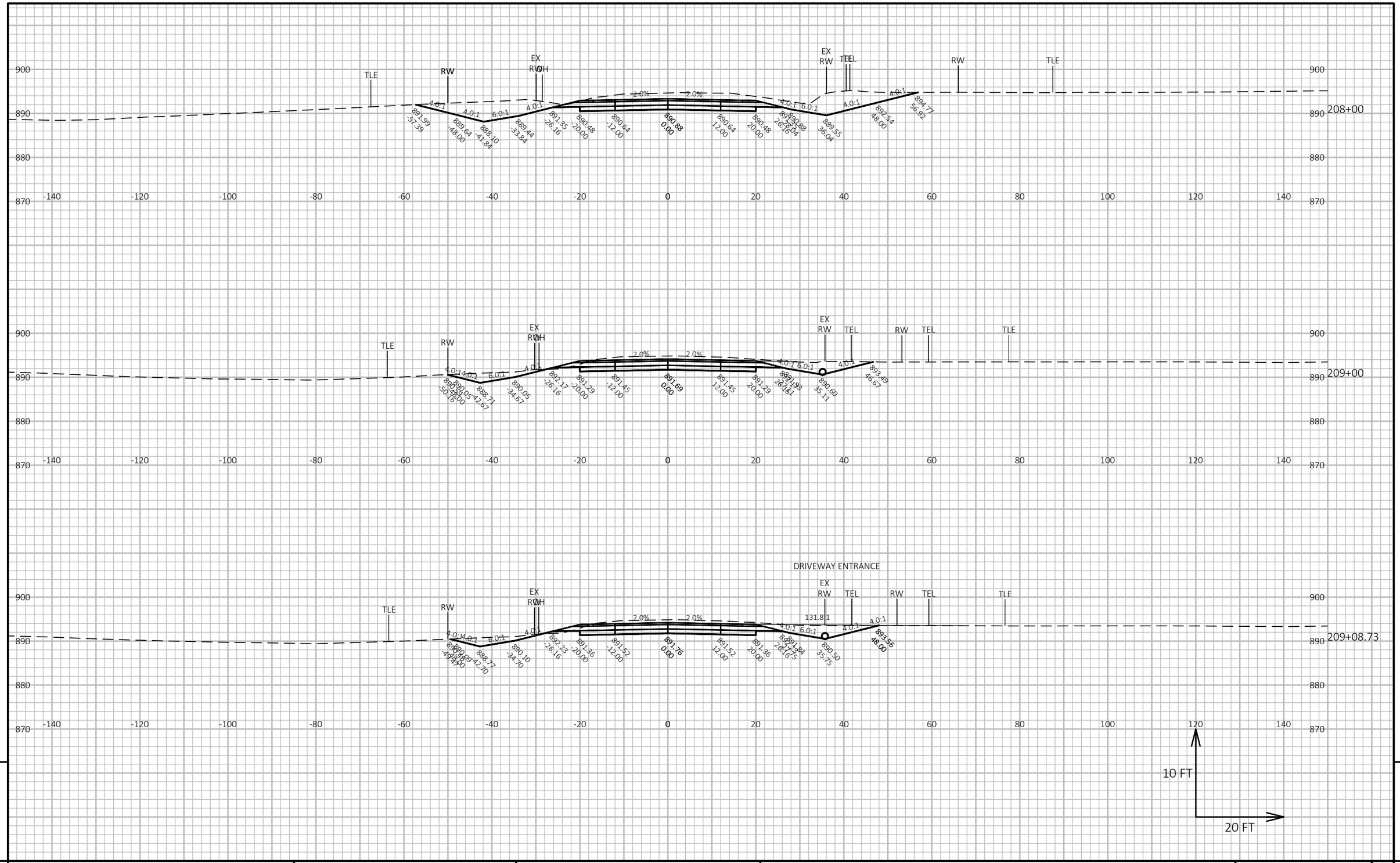
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 582	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-51

PLOT DATE : 9/21/2021 11:59 AM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



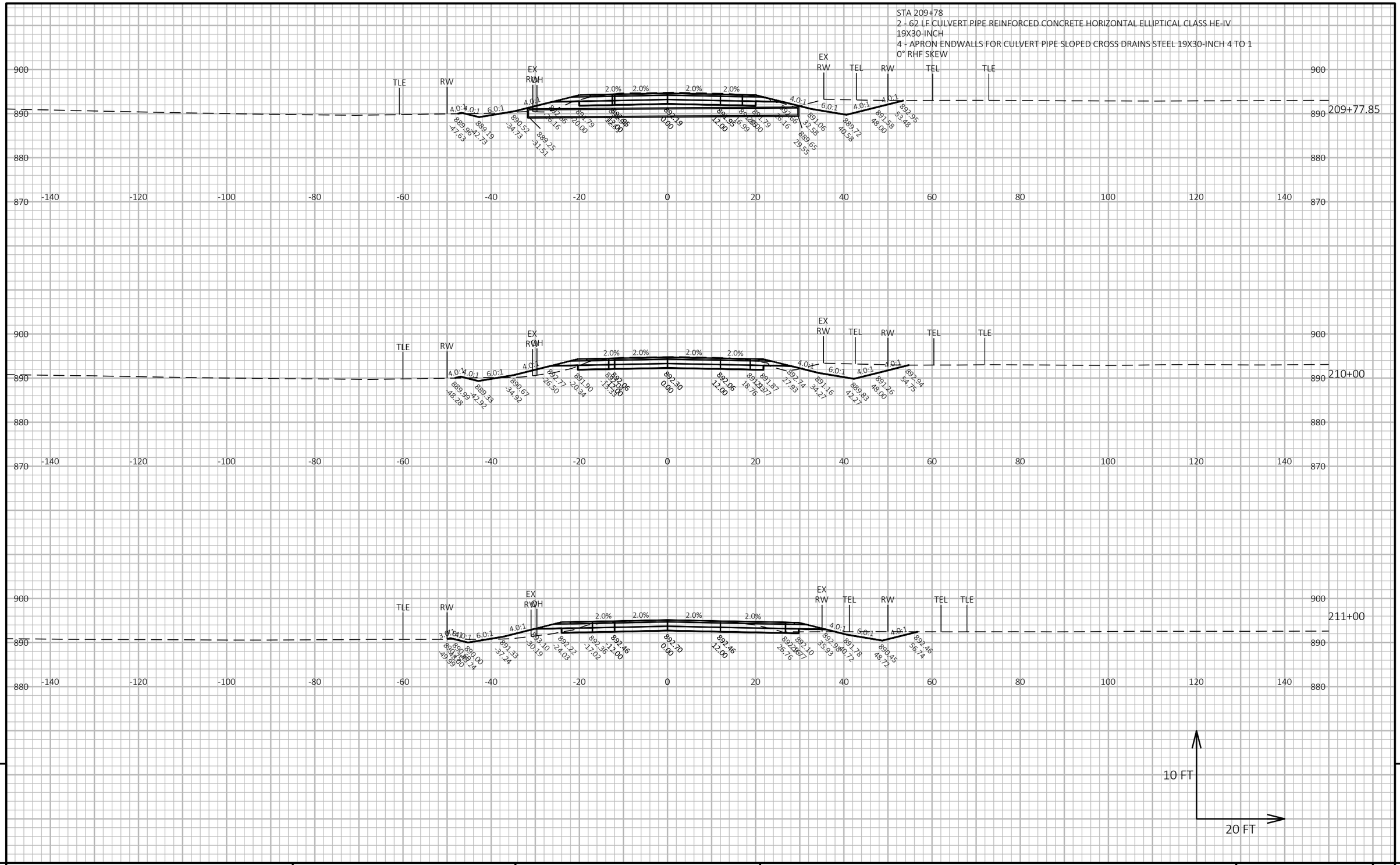
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 583	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-52

PLOT DATE : 9/21/2021 12:00 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

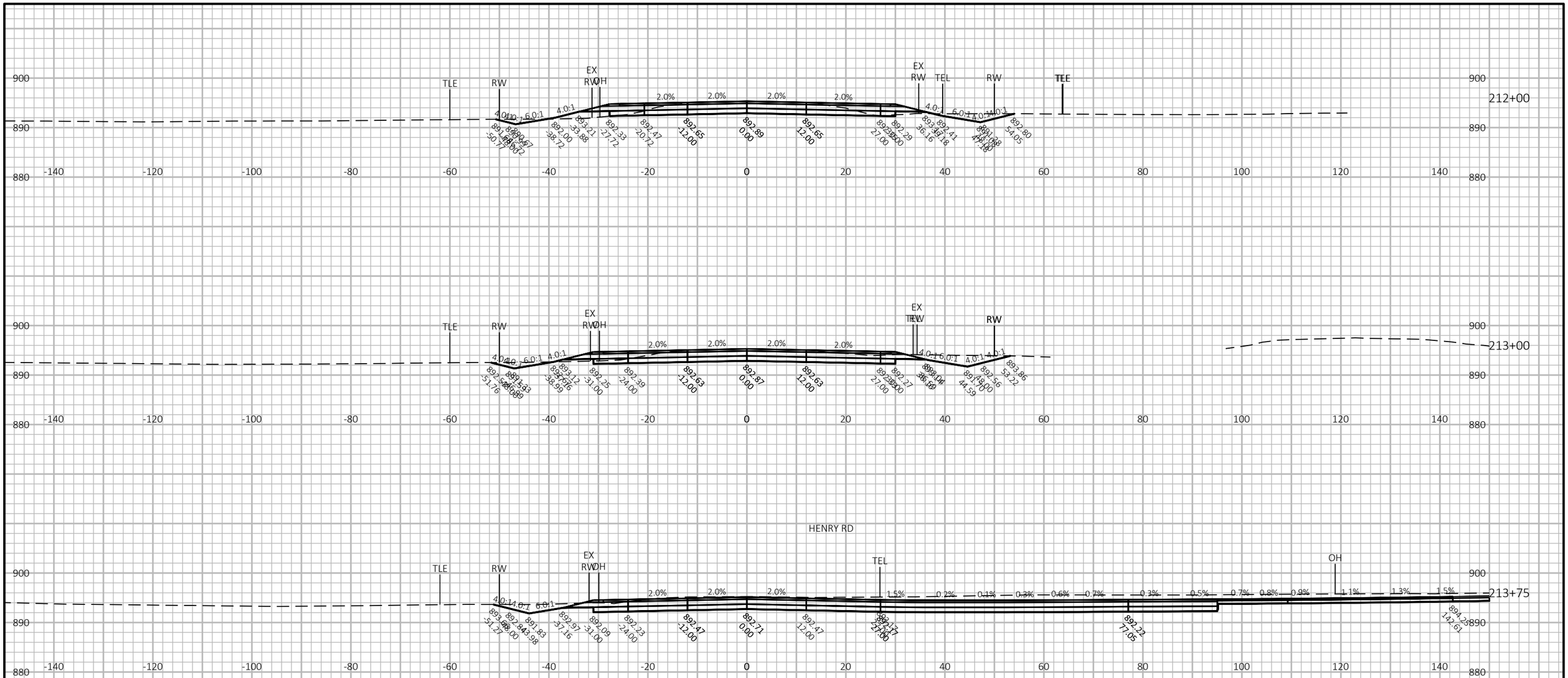
WISDOT/CADDS SHEET 49

STA 209+78
2 - 62 LF CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 19X30-INCH
4 - APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 19X30-INCH 4 TO 1
0° RHF SKEW



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 584	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-53
PLOT DATE : 9/21/2021 12:00 PM
PLOT BY : JAY HILLE
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

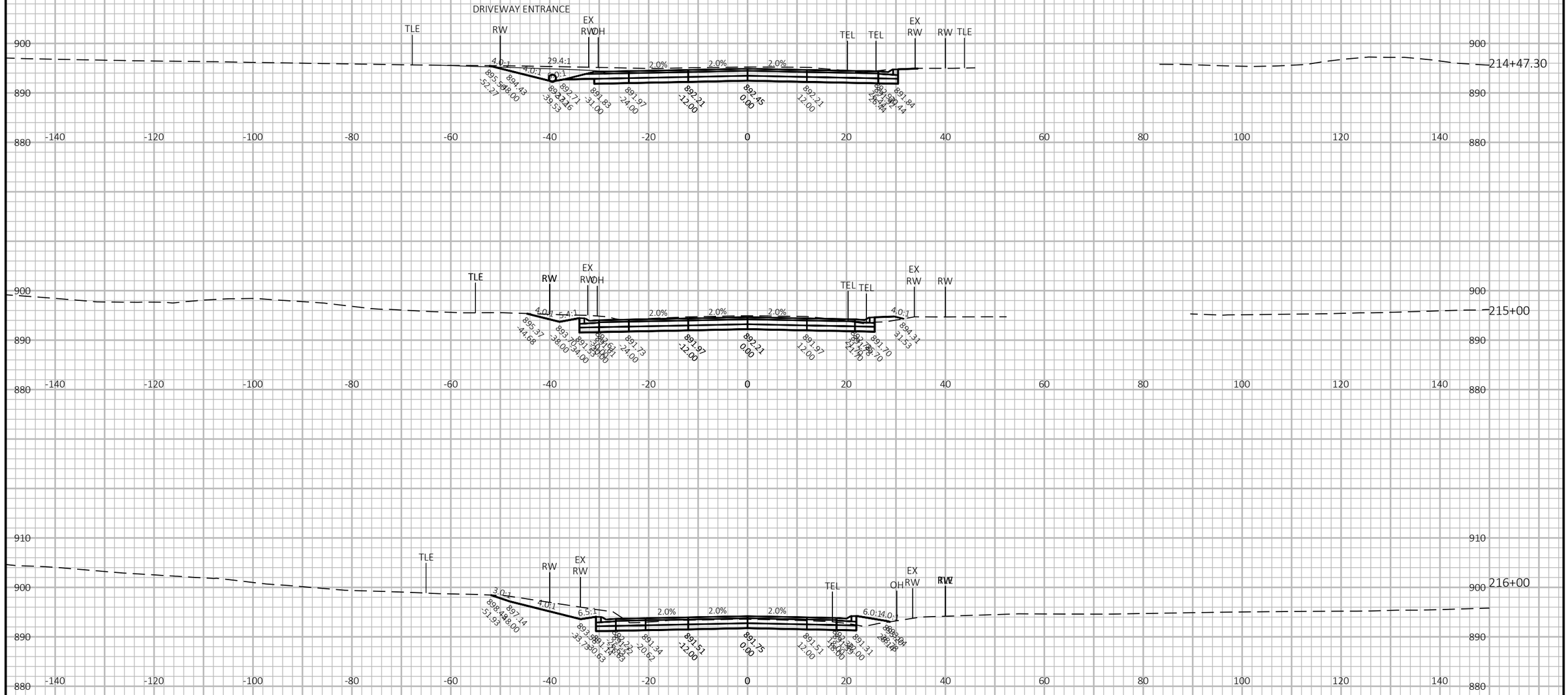


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 585 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-54

PLOT DATE : 9/21/2021 12:01 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

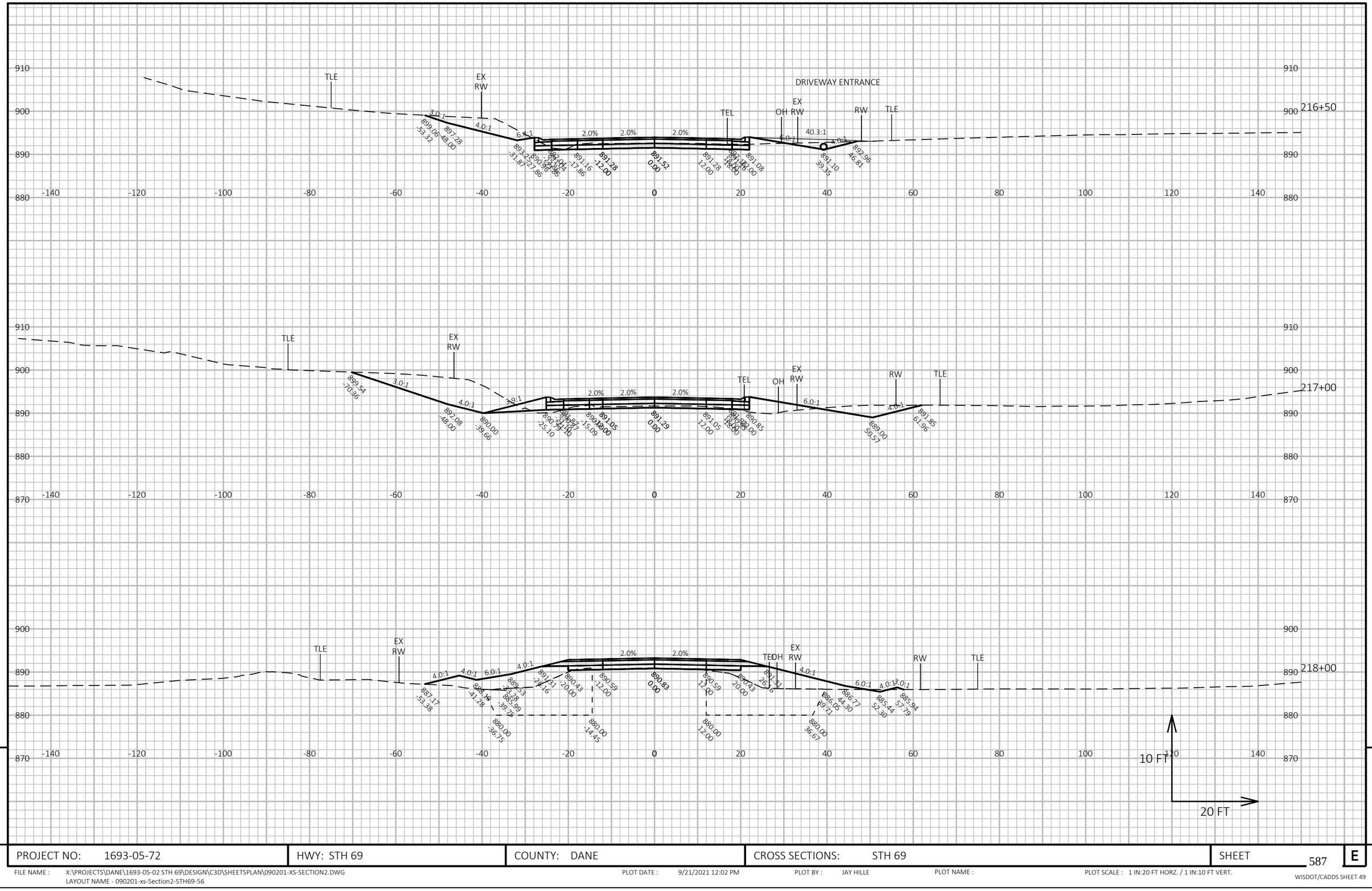
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 586	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-55

PLOT DATE : 9/21/2021 12:01 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

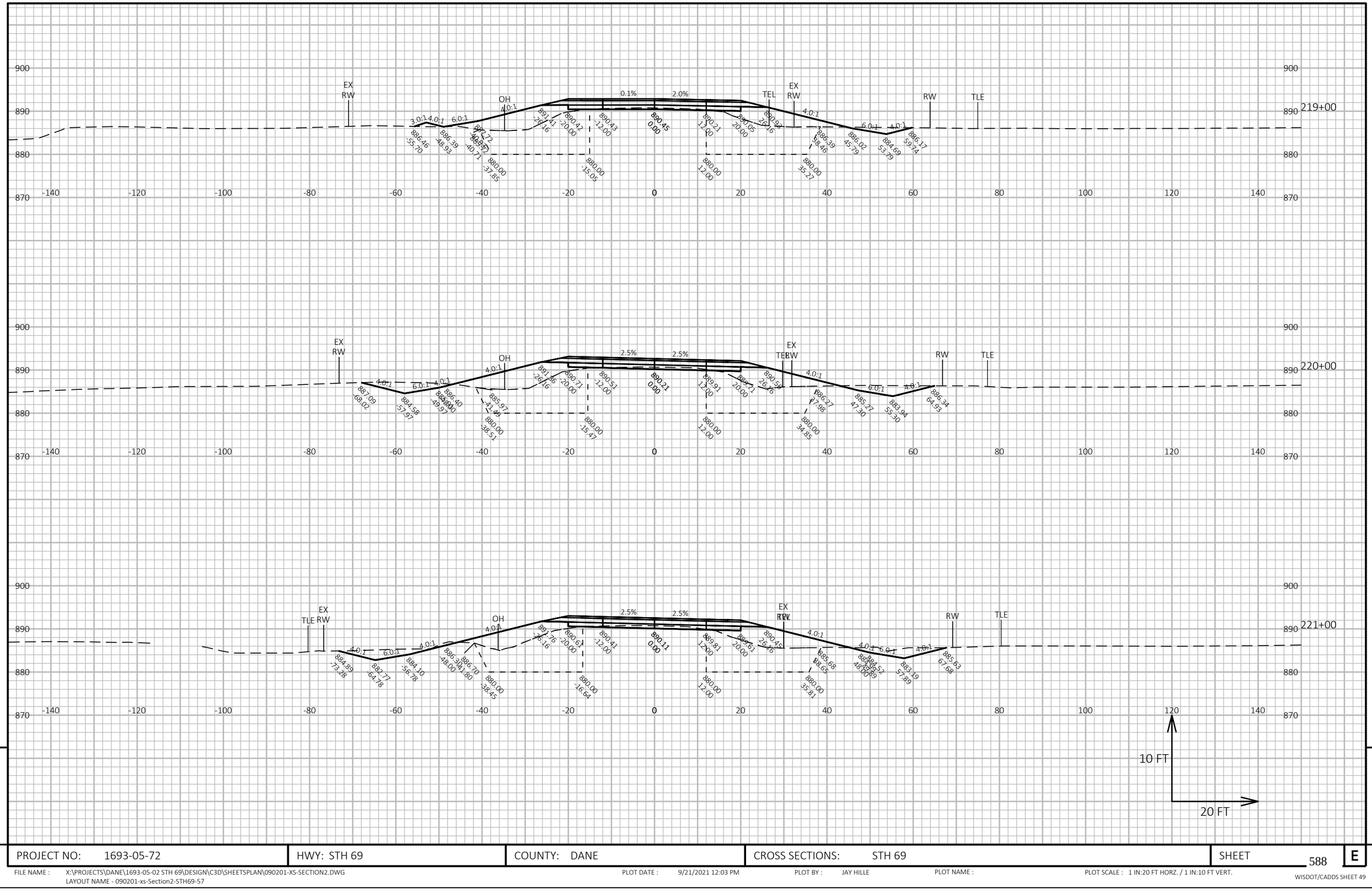
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 587	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-56

PLOT DATE : 9/21/2021 12:02 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

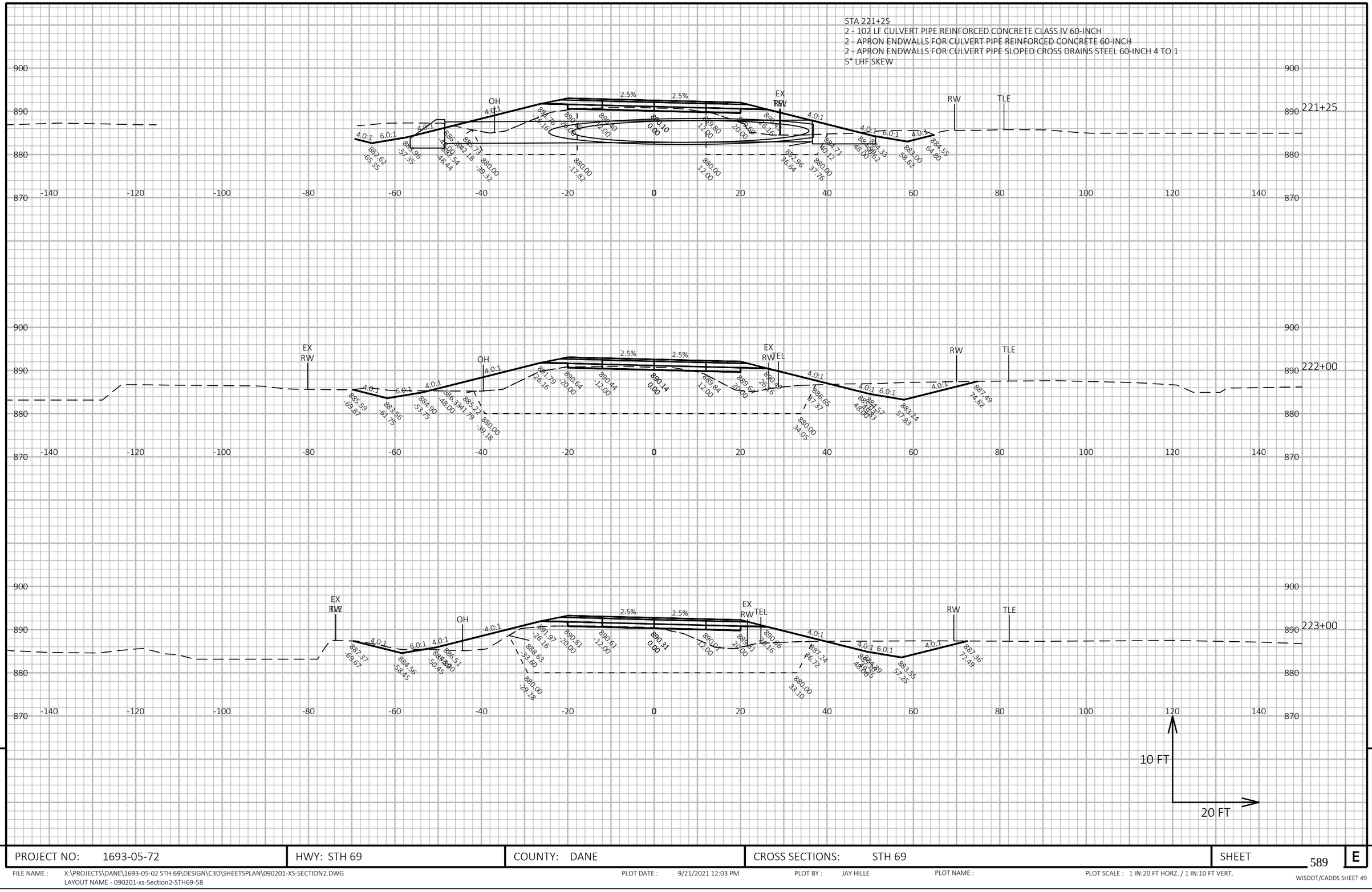
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 588	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-57

PLOT DATE : 9/21/2021 12:03 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

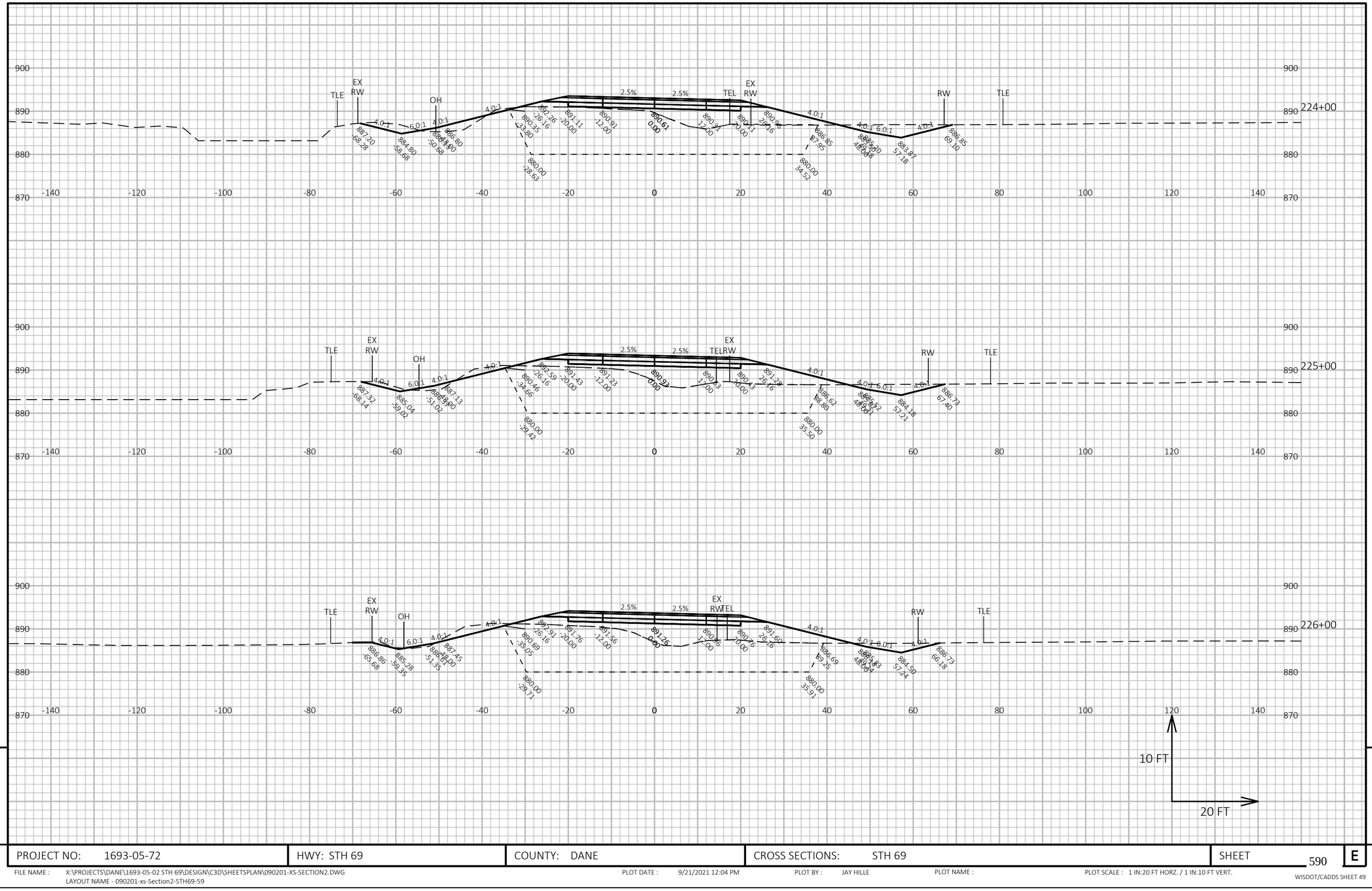
WISDOT/CADDS SHEET 49

STA 221+25
2 - 102 LF CULVERT PIPE REINFORCED CONCRETE CLASS IV 60-INCH
2 - APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 60-INCH
2 - APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 60-INCH 4 TO 1
5° LHF SKEW



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 589	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-58
PLOT DATE : 9/21/2021 12:03 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

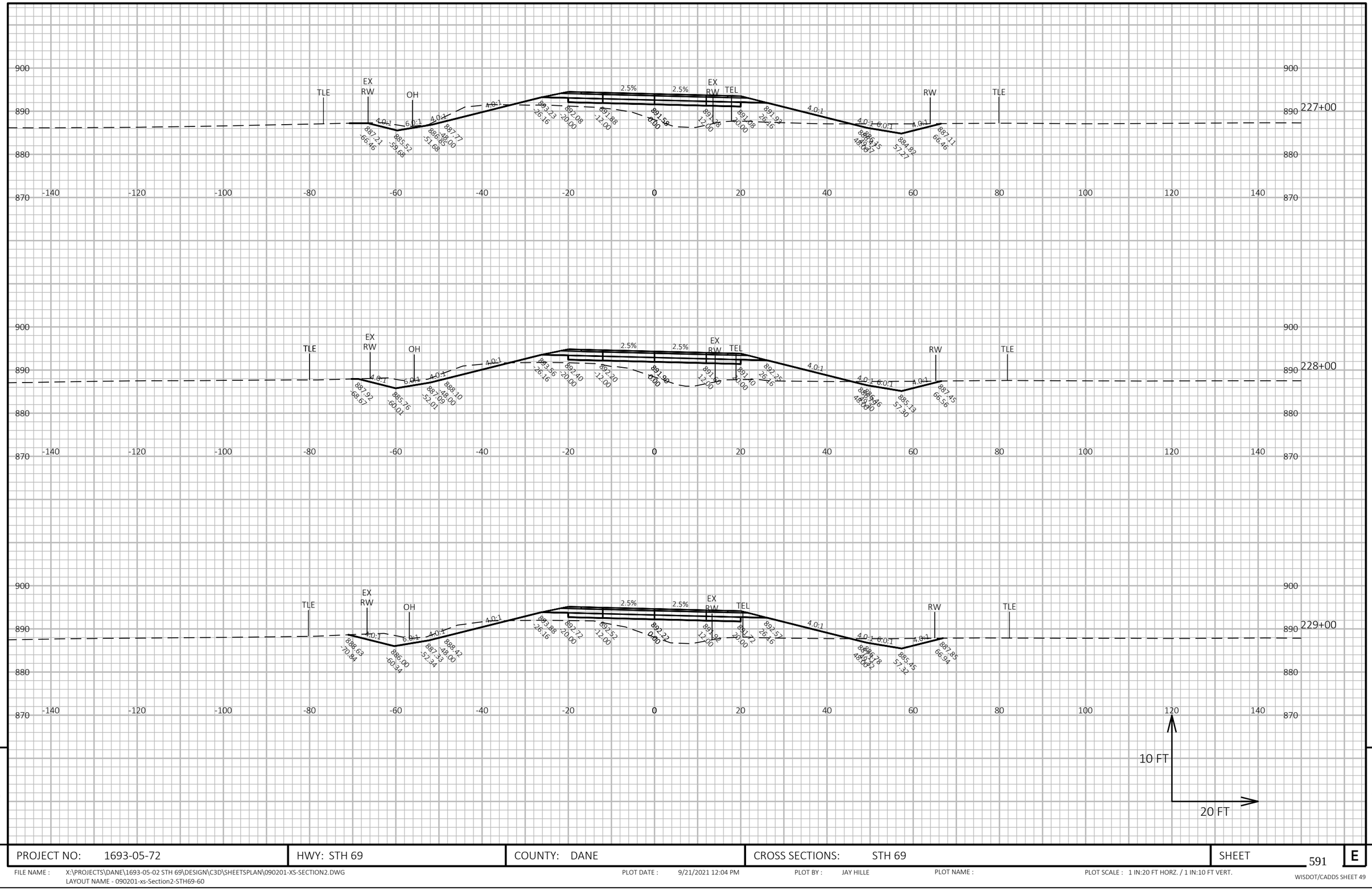


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 590 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-59

PLOT DATE : 9/21/2021 12:04 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

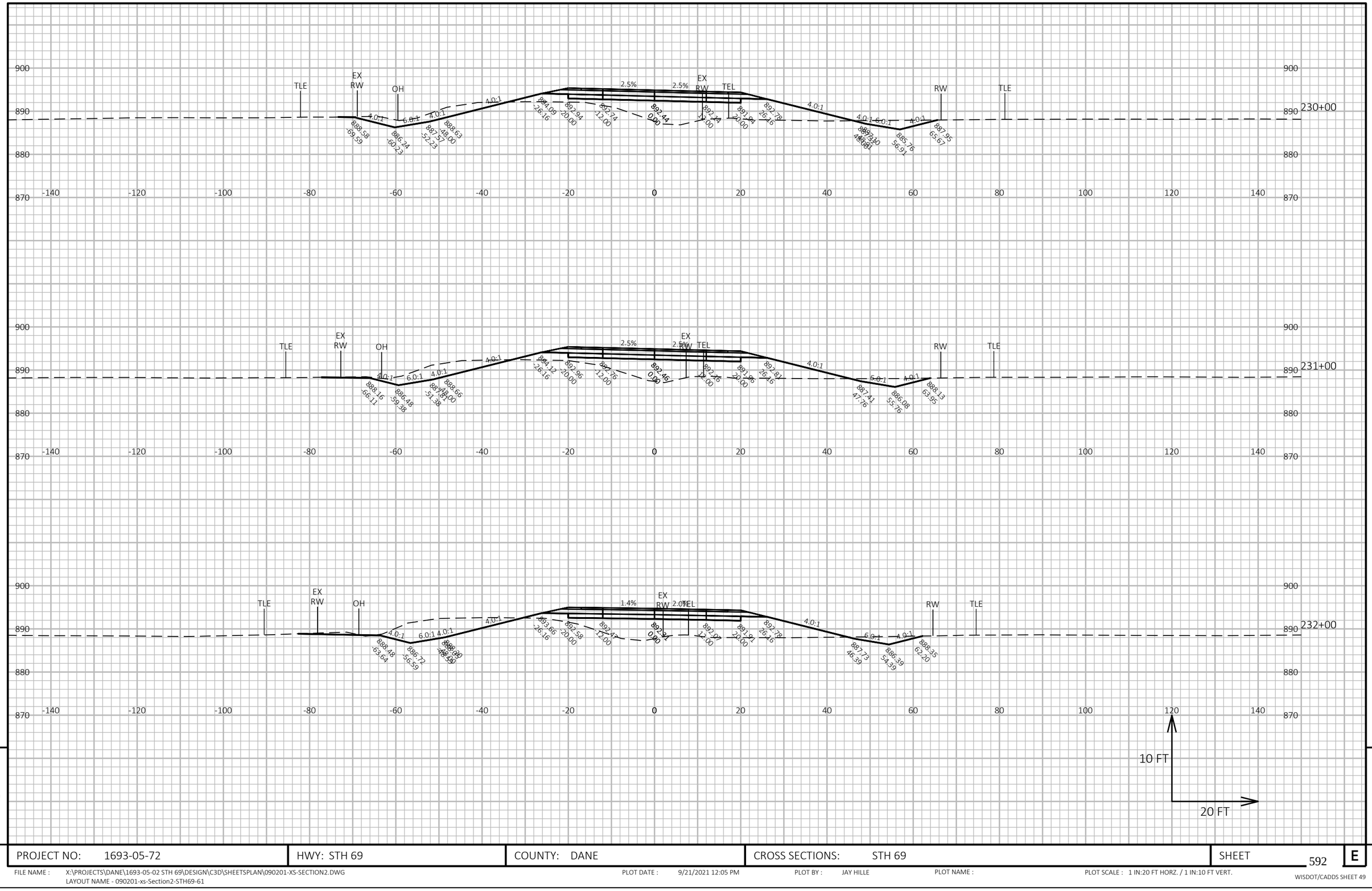


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 591	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-60

PLOT DATE : 9/21/2021 12:04 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

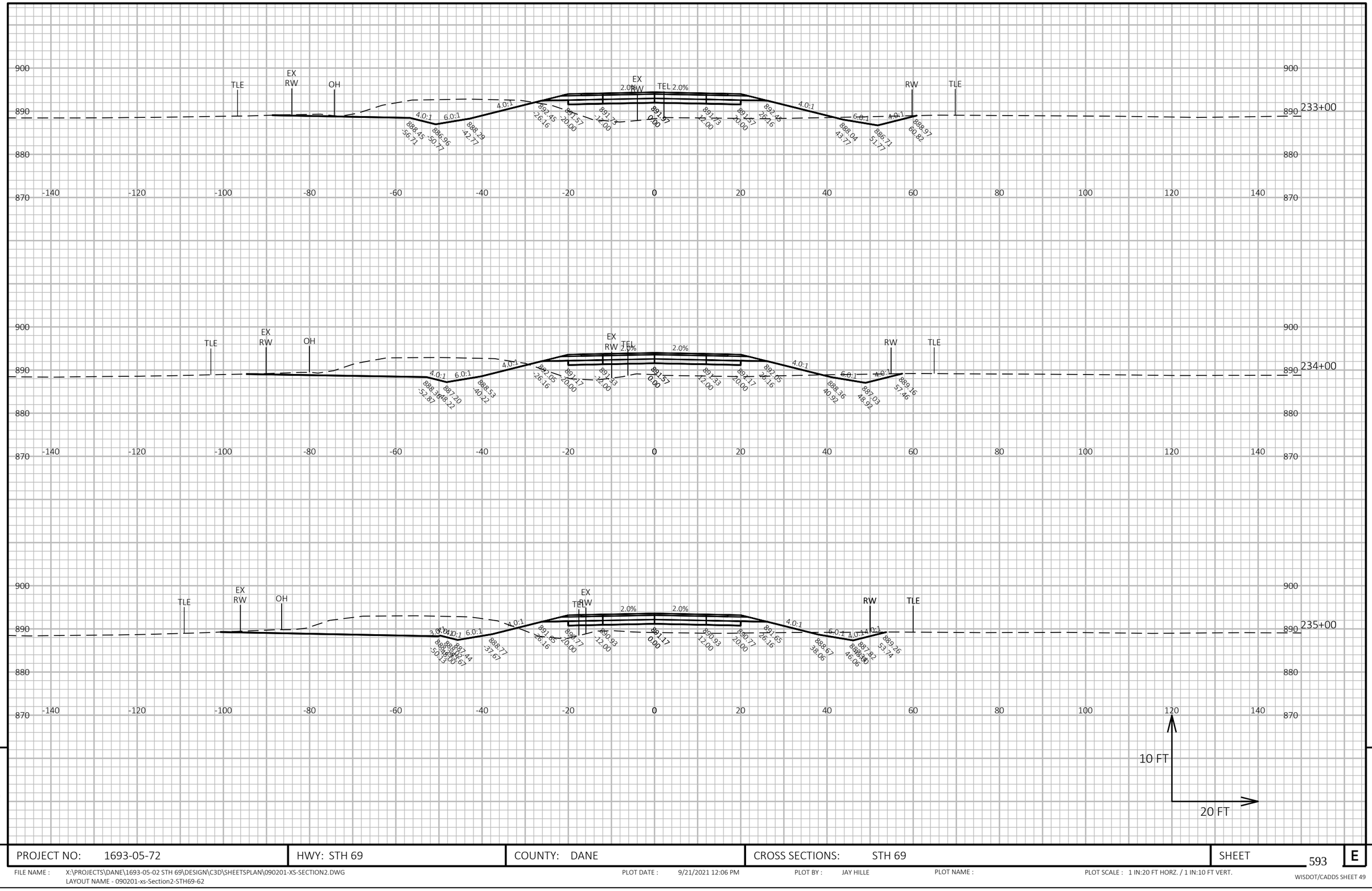


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 592	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-61

PLOT DATE : 9/21/2021 12:05 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

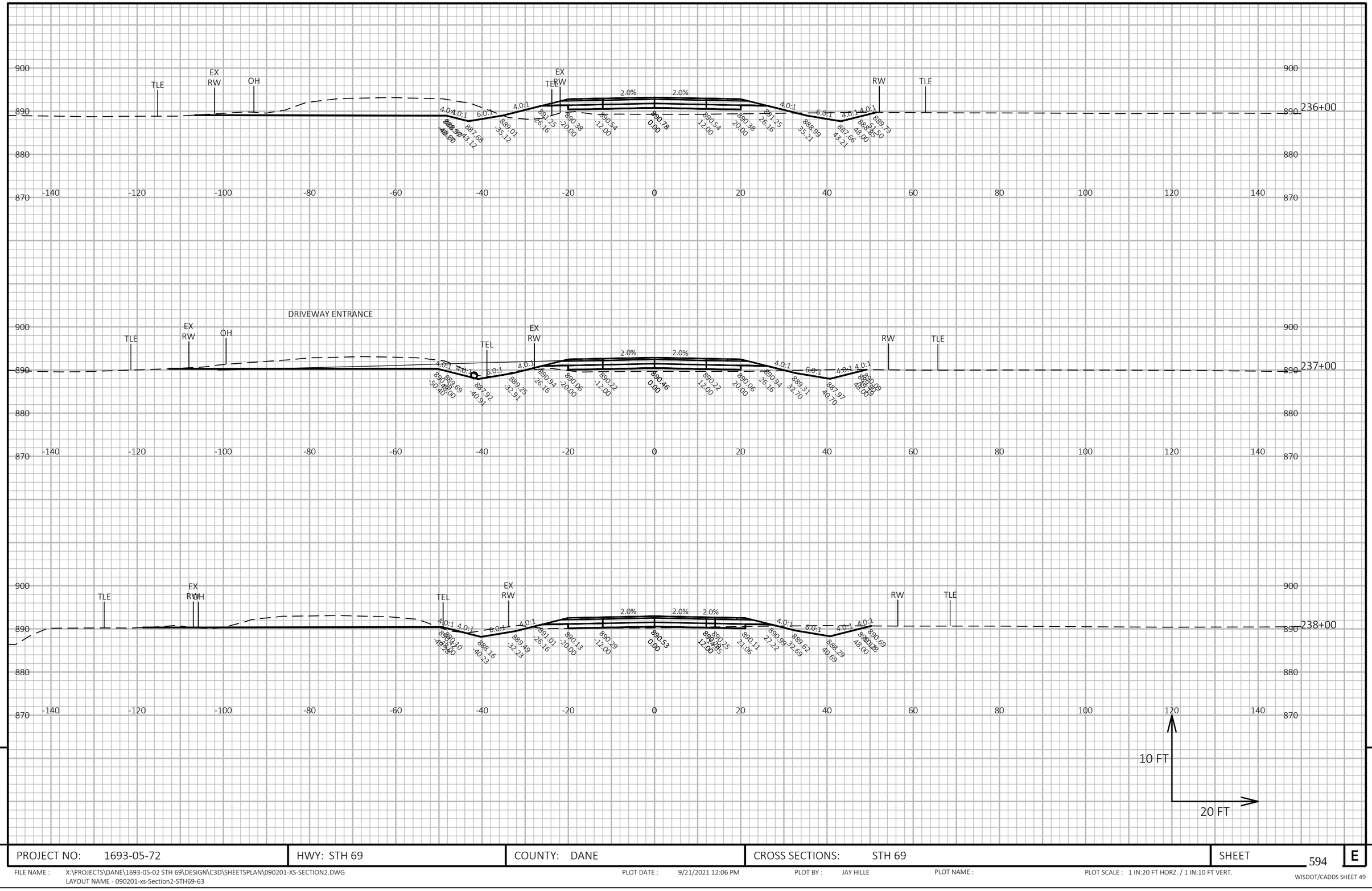


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 593	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-62

PLOT DATE : 9/21/2021 12:06 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

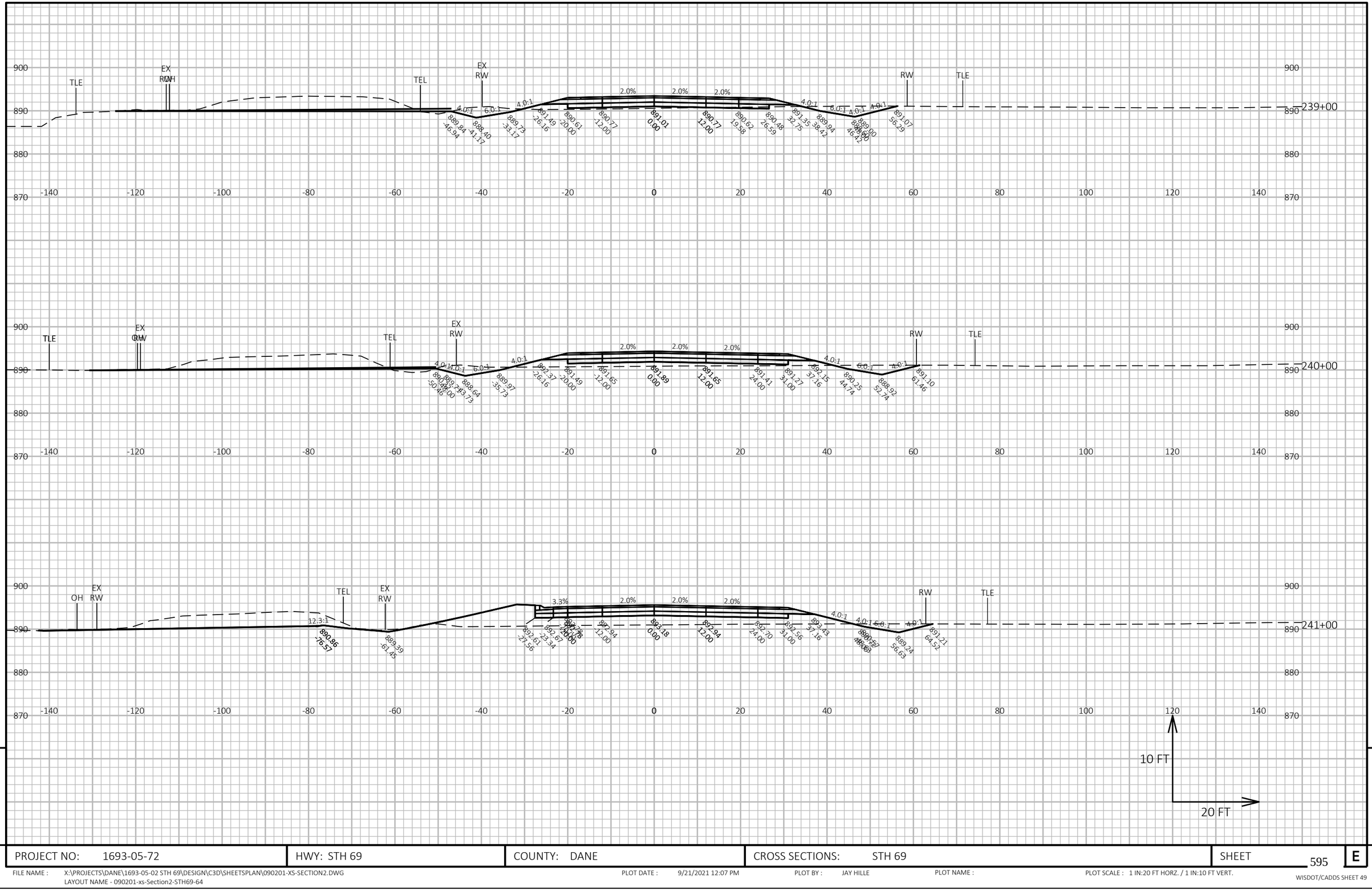


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 594	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-63

PLOT DATE : 9/21/2021 12:06 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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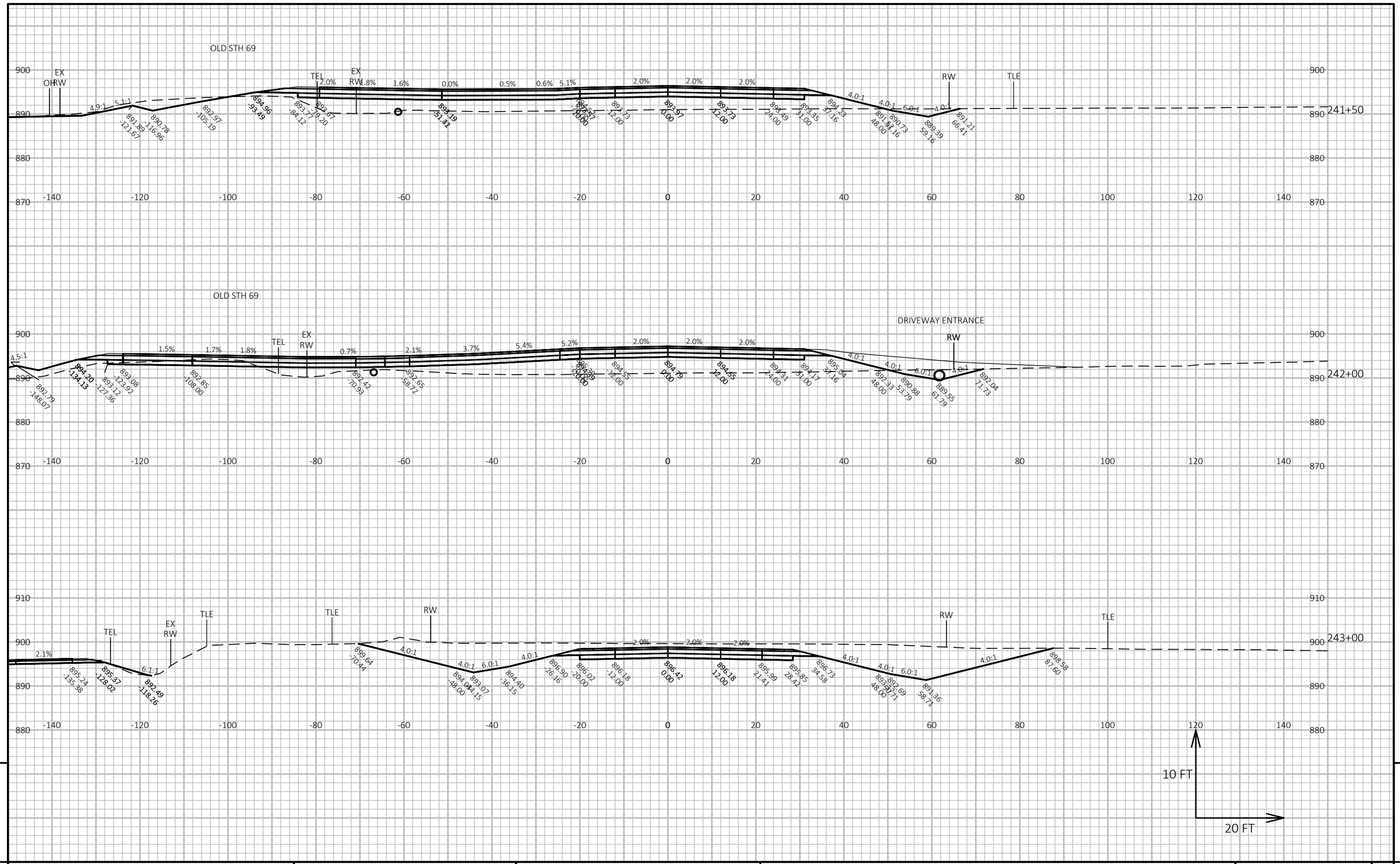
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 595	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-64

PLOT DATE : 9/21/2021 12:07 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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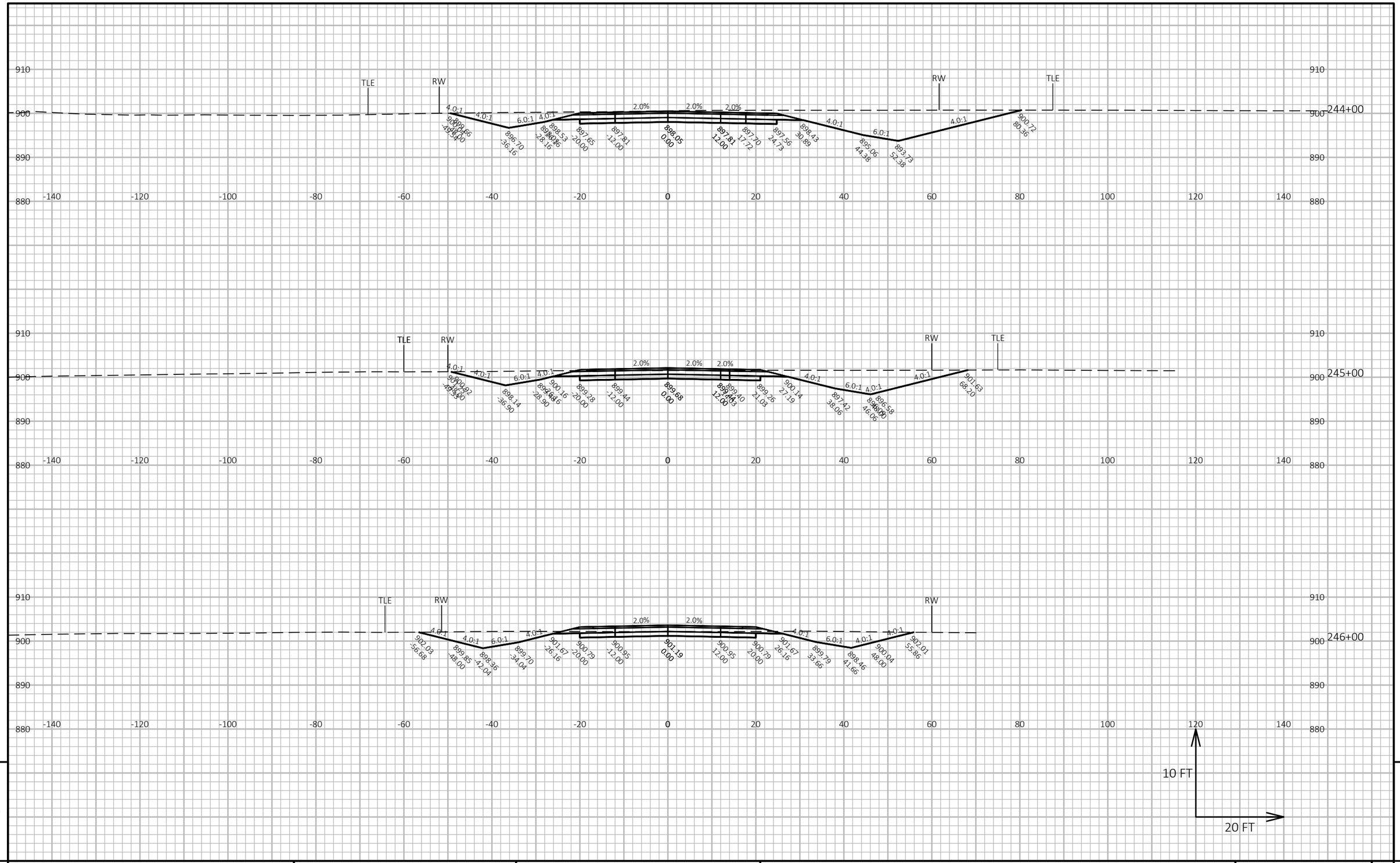
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 596	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-65

PLOT DATE : 9/21/2021 12:07 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

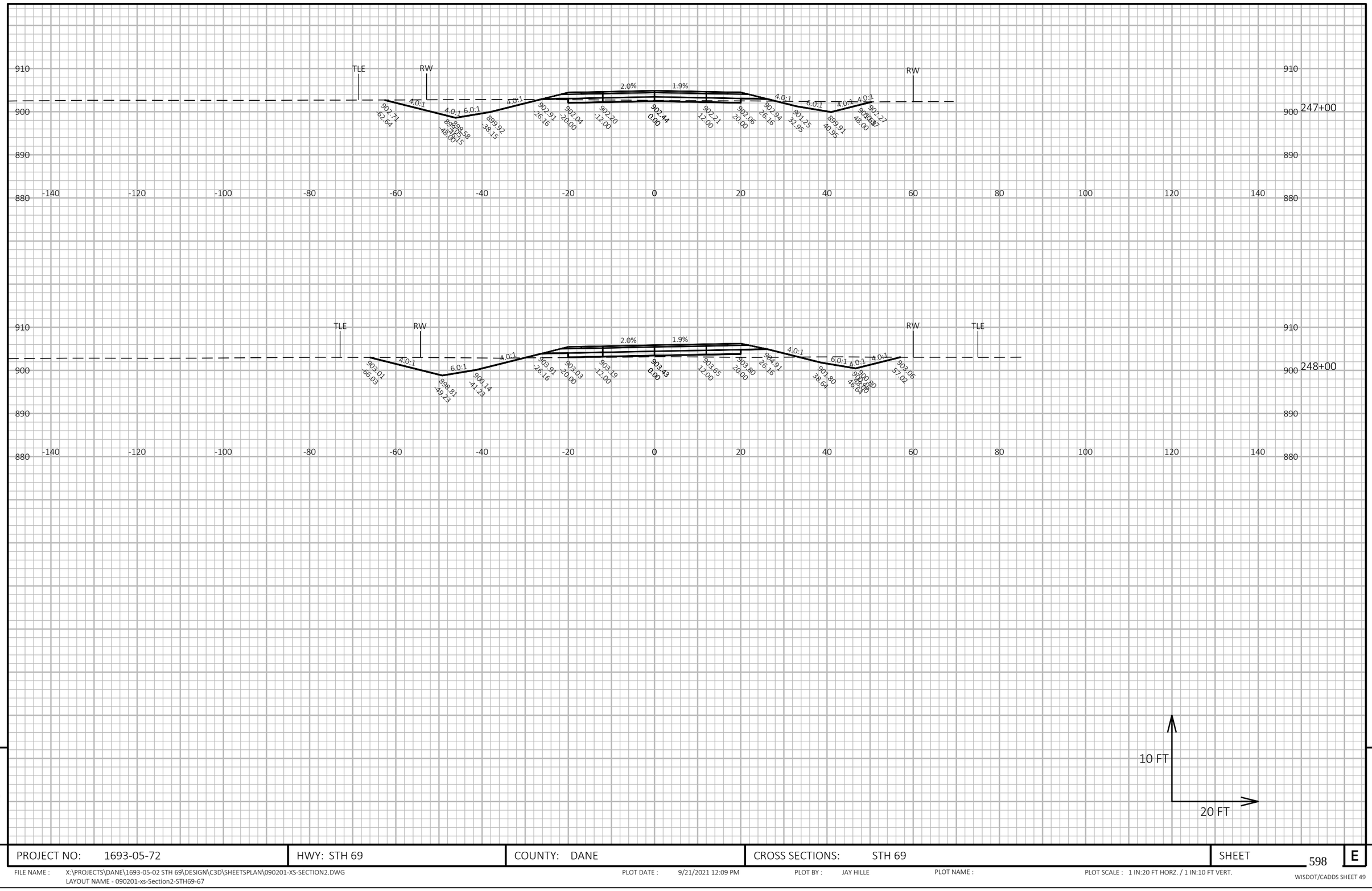


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 597 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-66

PLOT DATE : 9/21/2021 12:08 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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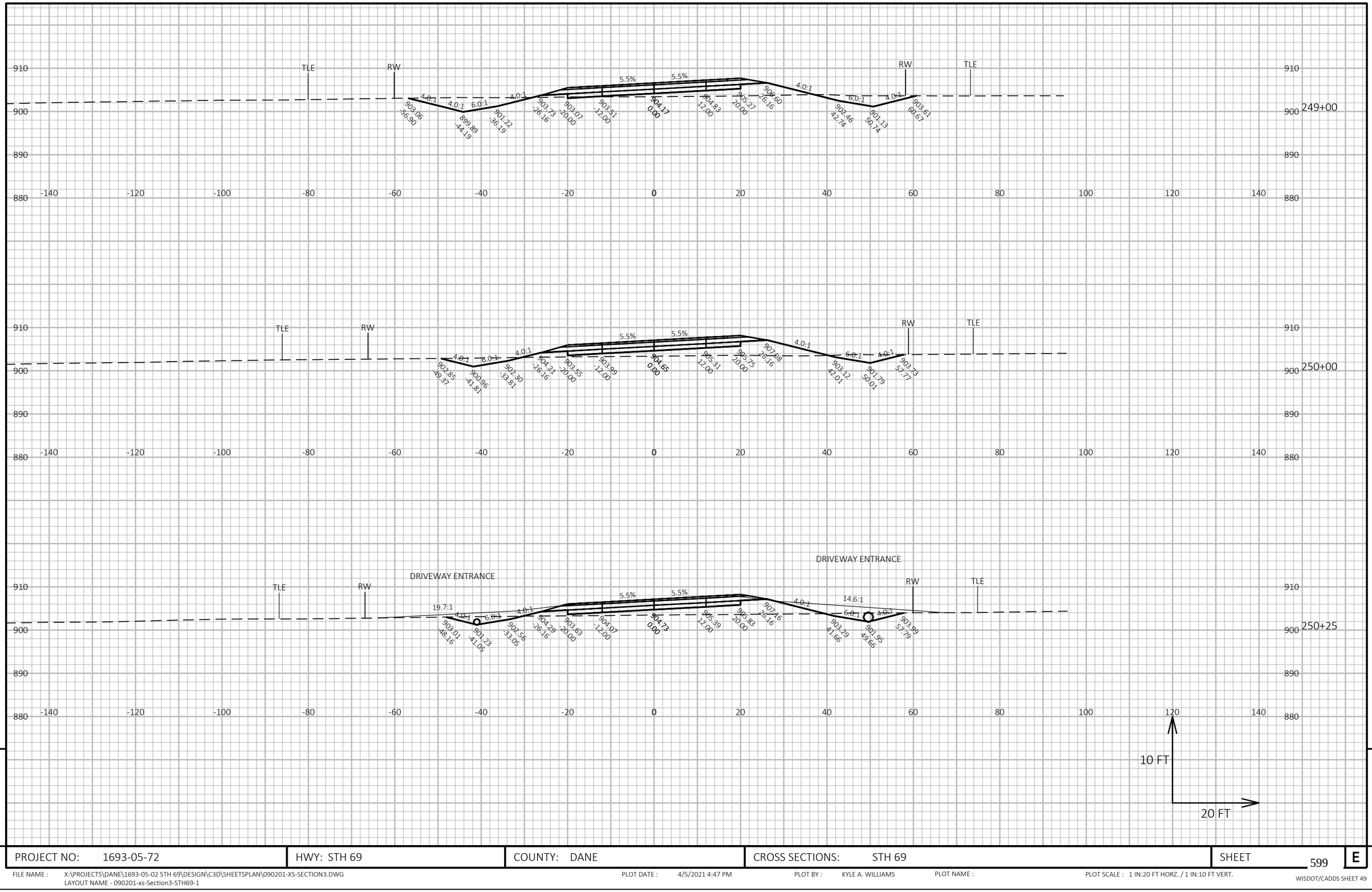
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 598	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-STH69-67

PLOT DATE : 9/21/2021 12:09 PM PLOT BY : JAY HILLE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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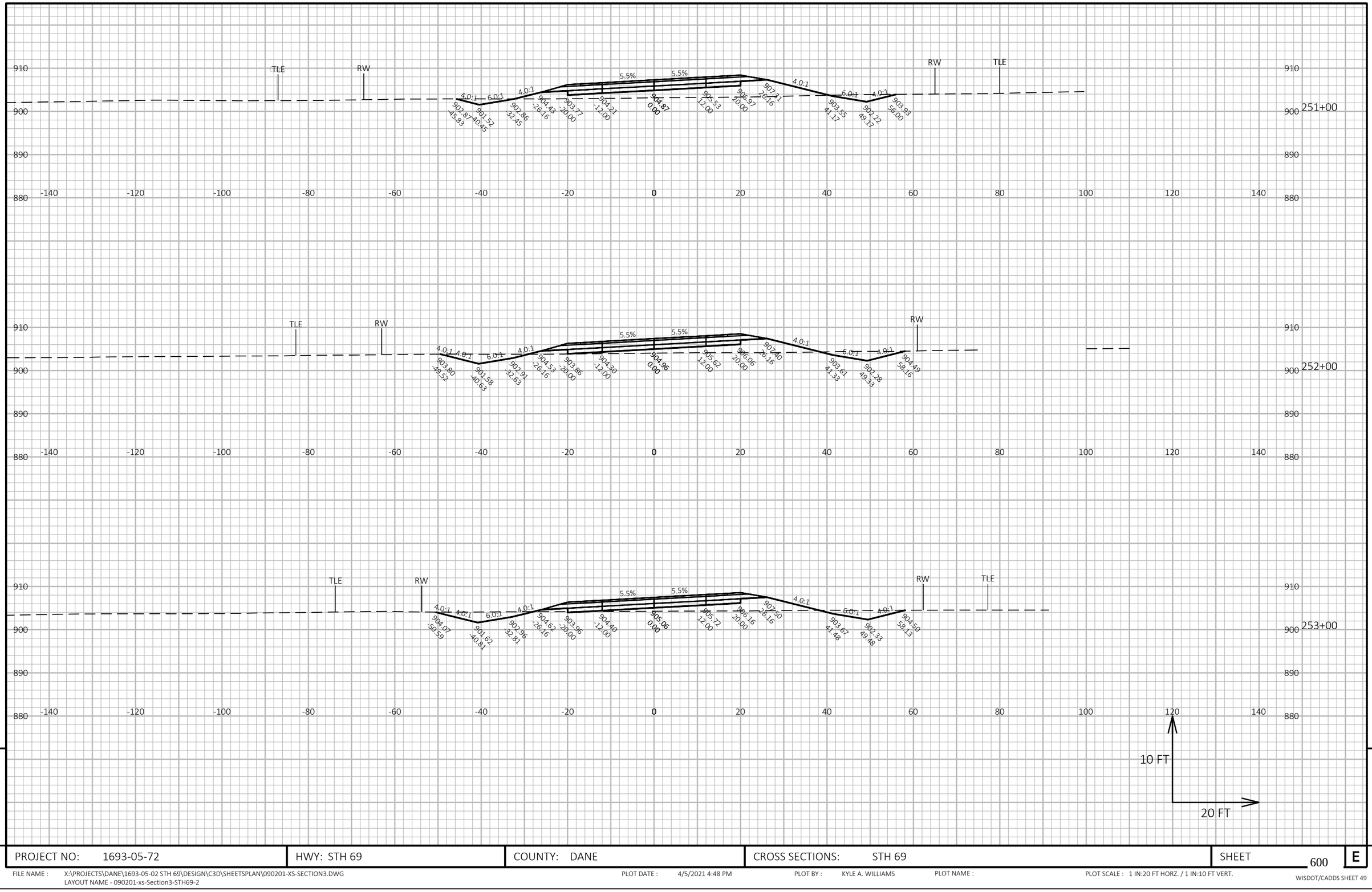
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 599	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-1

PLOT DATE : 4/5/2021 4:47 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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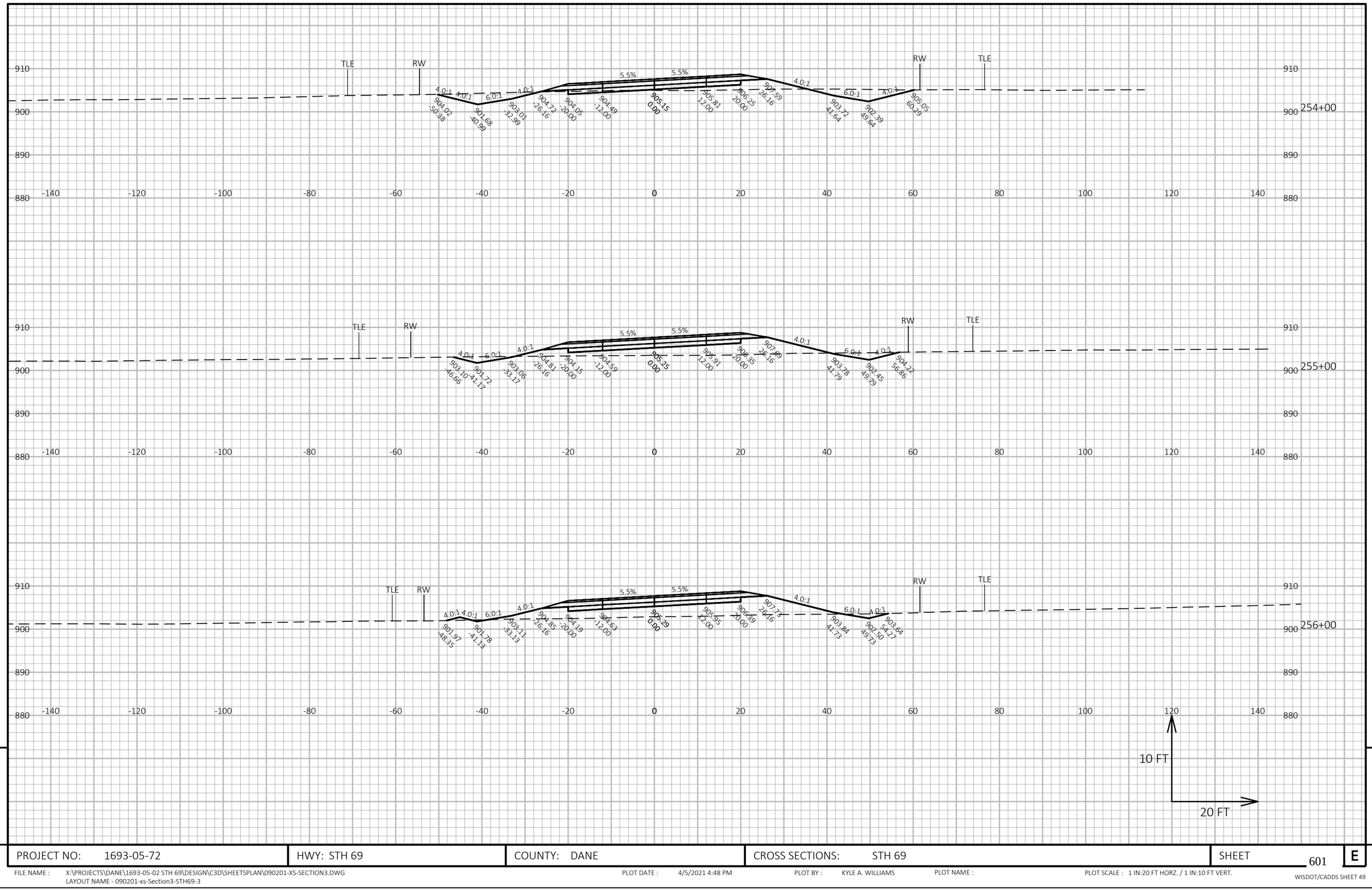
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 600	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-2

PLOT DATE : 4/5/2021 4:48 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 601	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-3

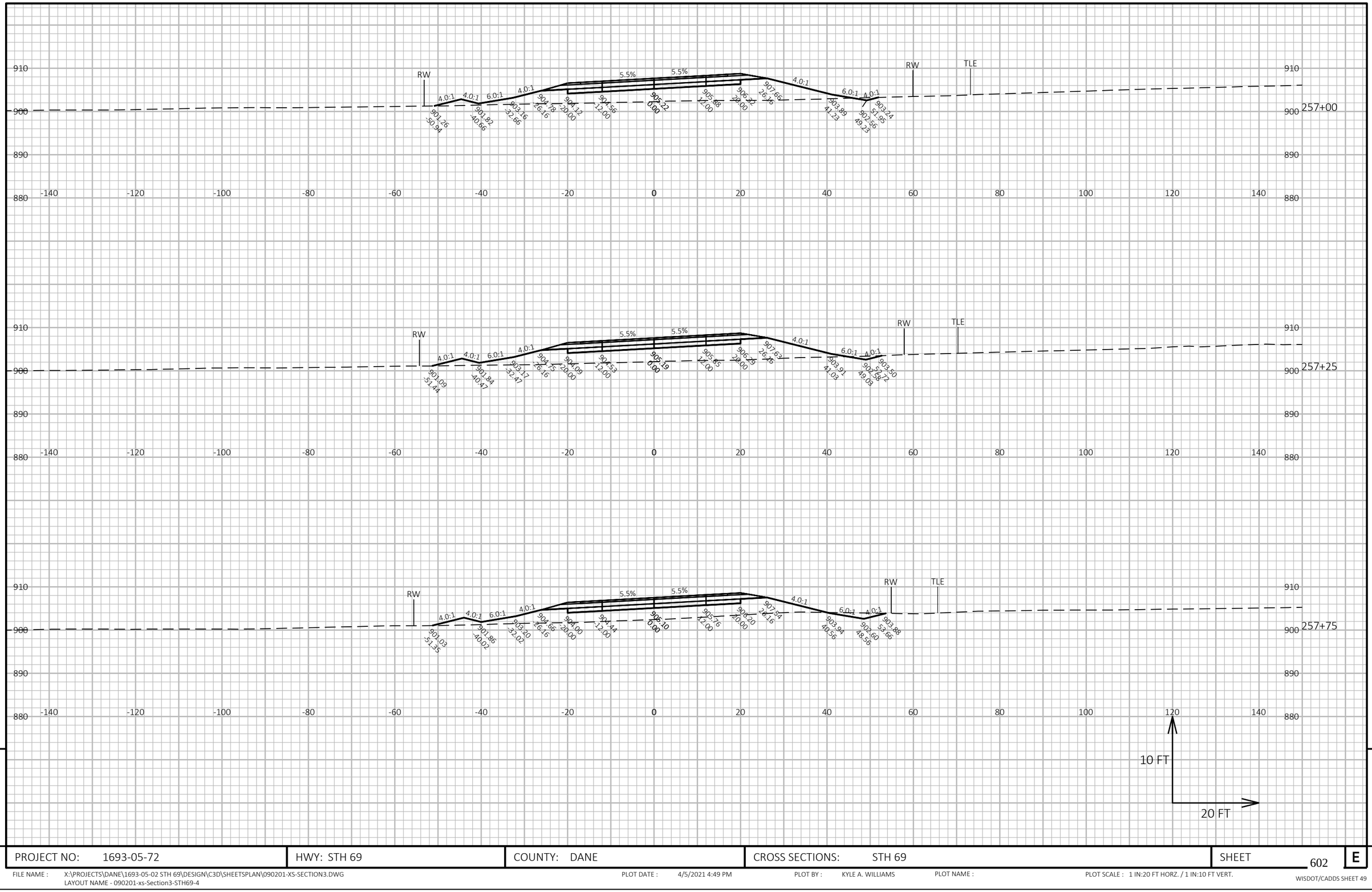
PLOT DATE : 4/5/2021 4:48 PM

PLOT BY : KYLE A. WILLIAMS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 602	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-4

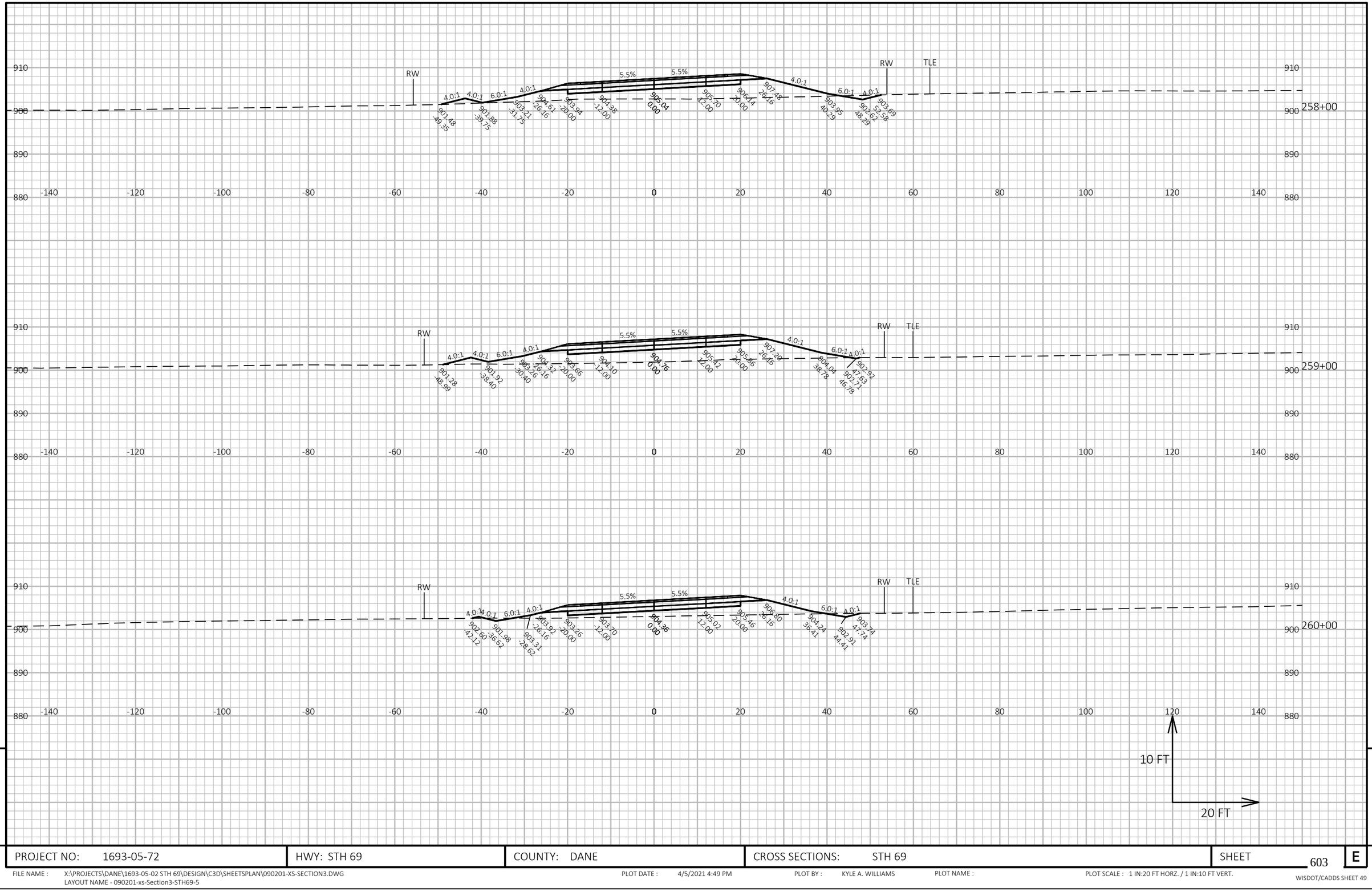
PLOT DATE : 4/5/2021 4:49 PM

PLOT BY : KYLE A. WILLIAMS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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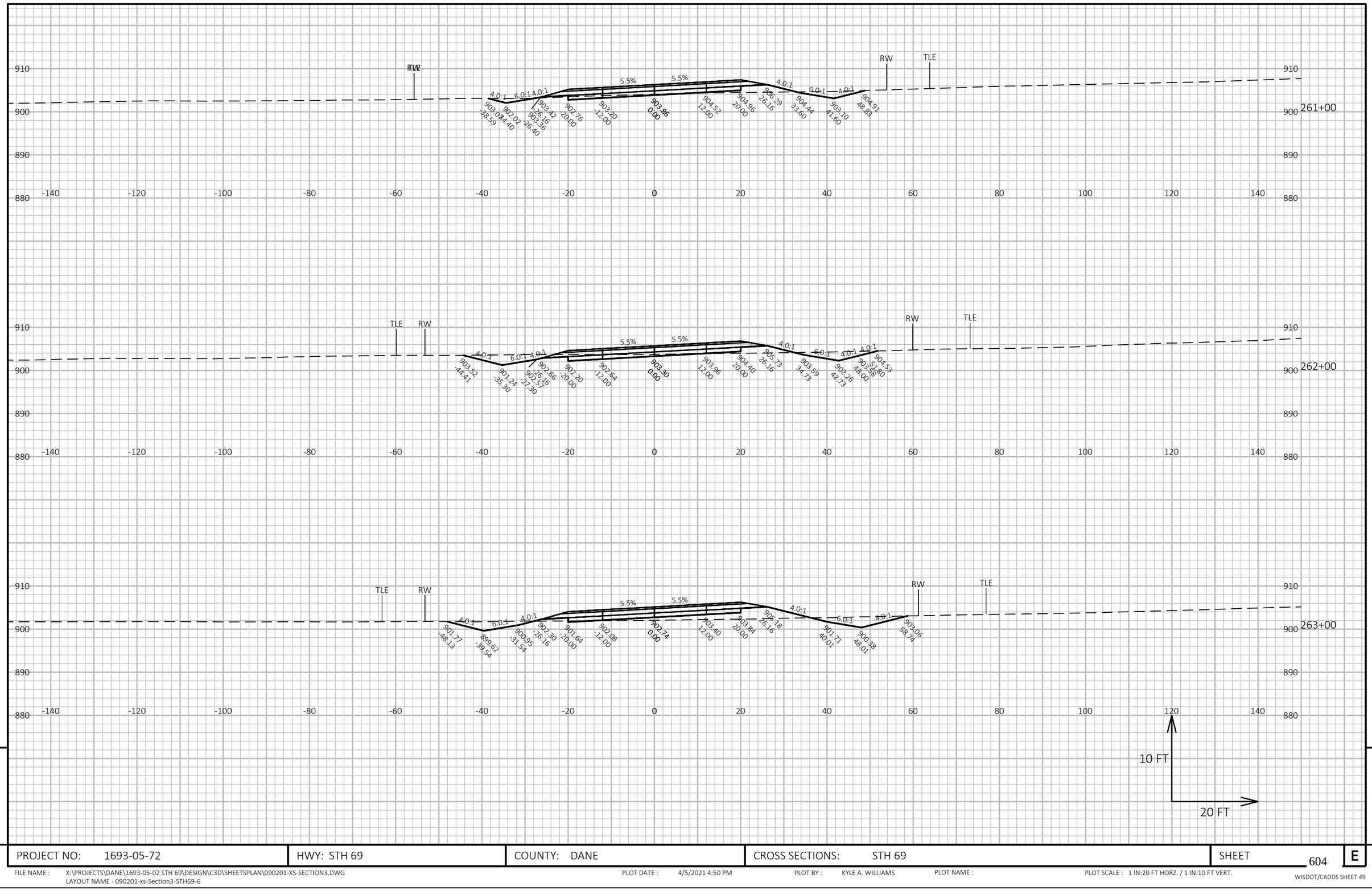
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 603	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-5

PLOT DATE : 4/5/2021 4:49 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

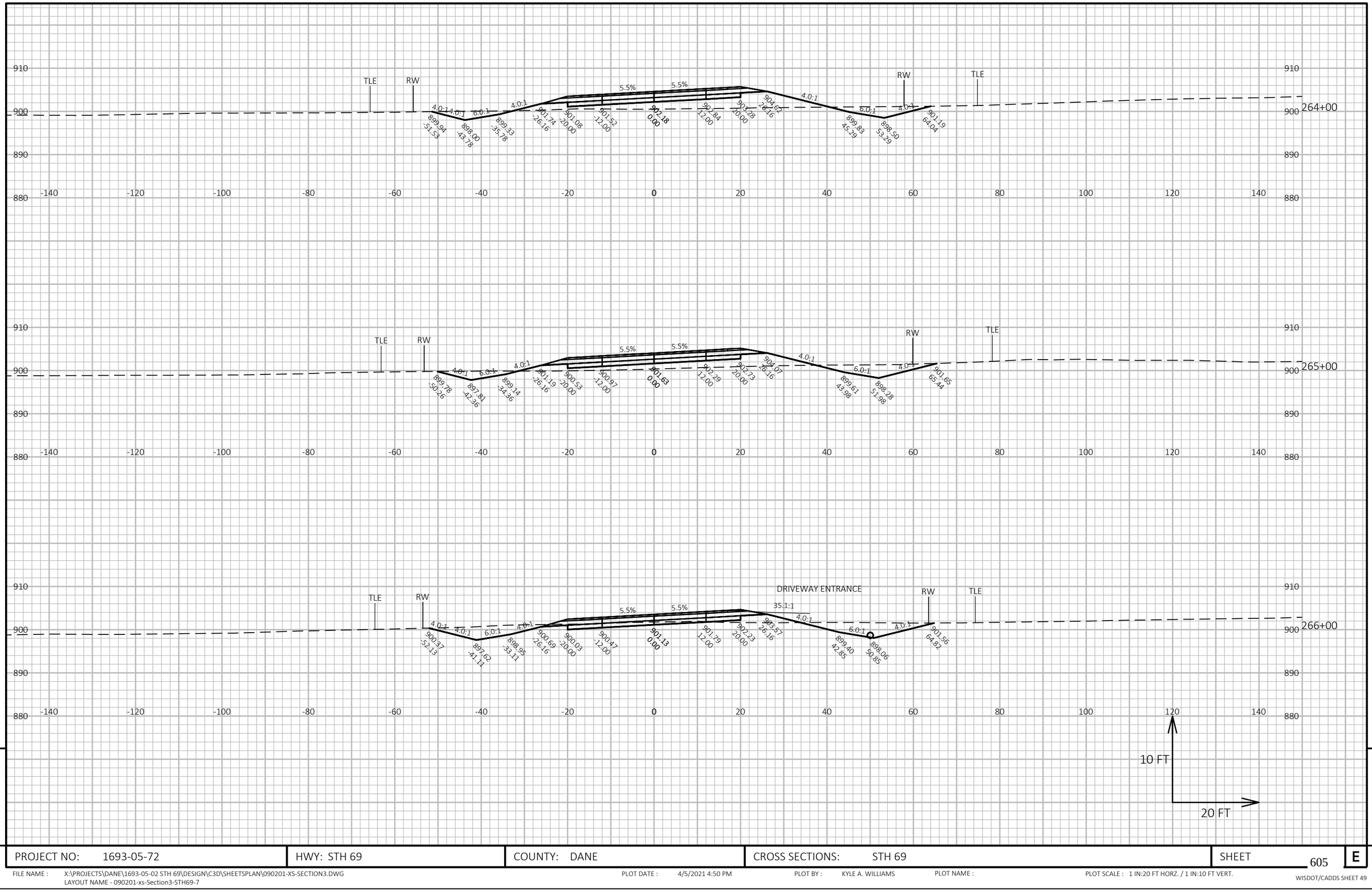


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 604 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-6

PLOT DATE : 4/5/2021 4:50 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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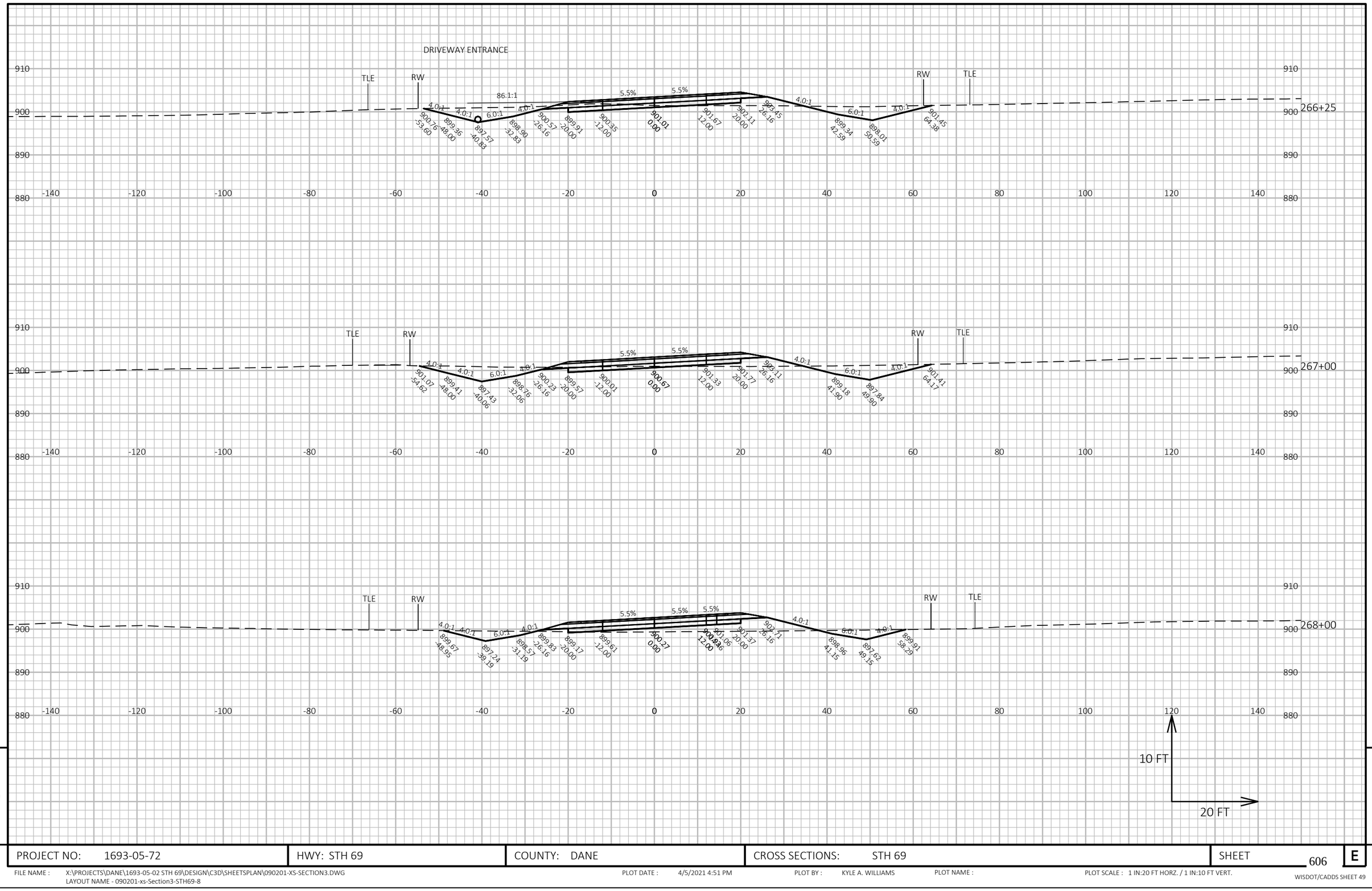
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 605	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-7

PLOT DATE : 4/5/2021 4:50 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 606	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-8

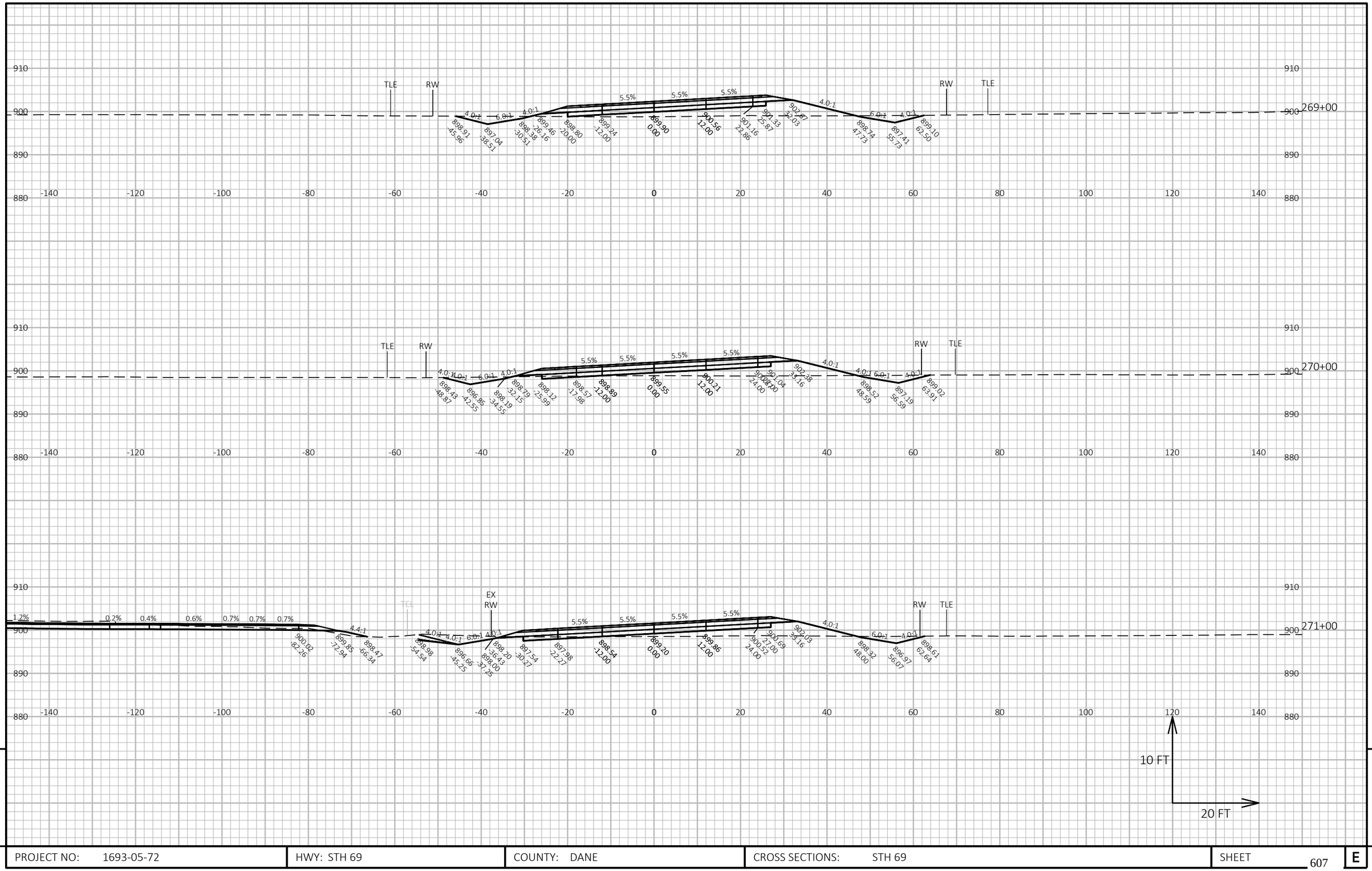
PLOT DATE : 4/5/2021 4:51 PM

PLOT BY : KYLE A. WILLIAMS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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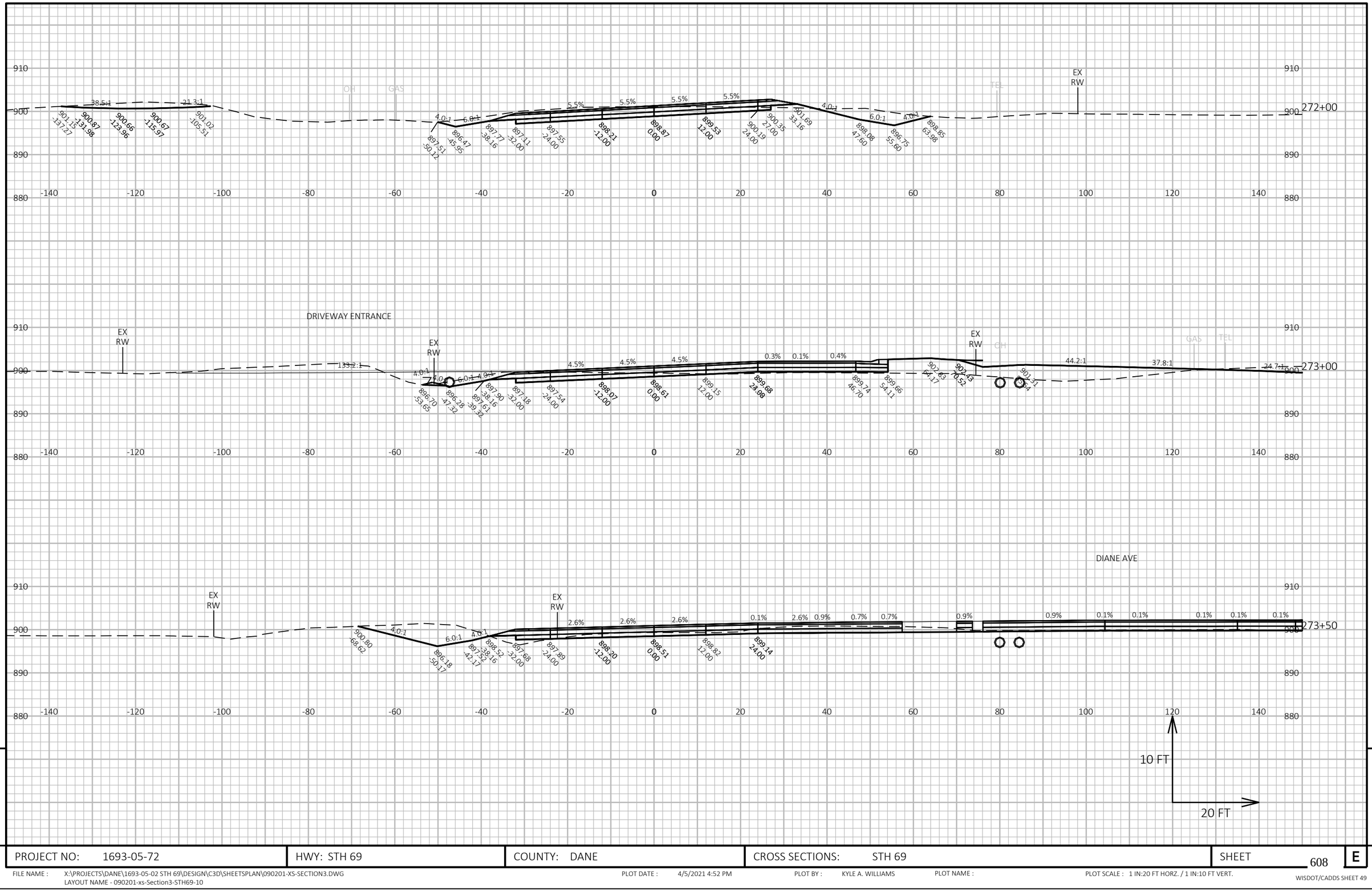
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 607	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-9

PLOT DATE : 4/5/2021 4:51 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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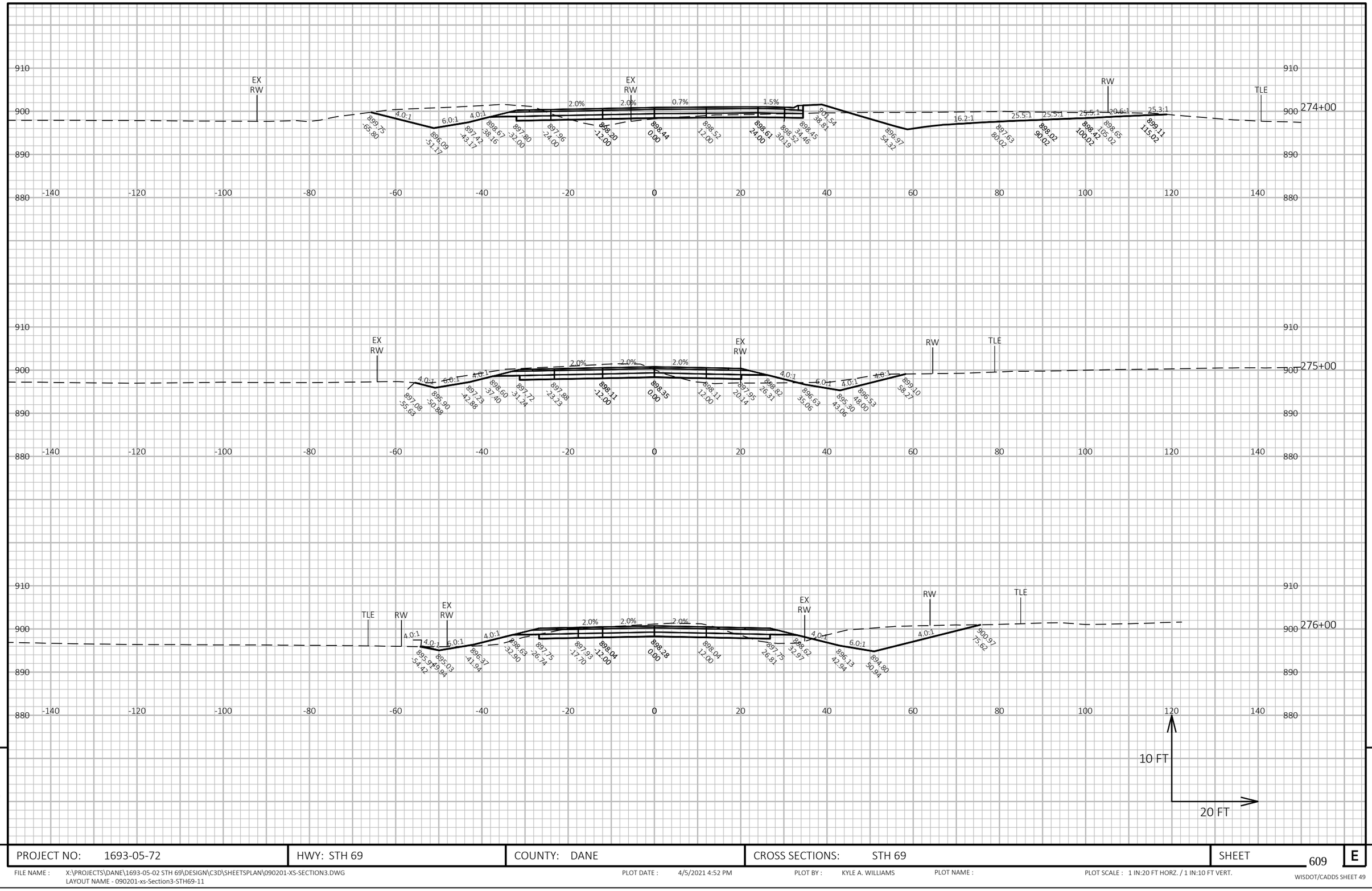
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 608 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-10

PLOT DATE : 4/5/2021 4:52 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

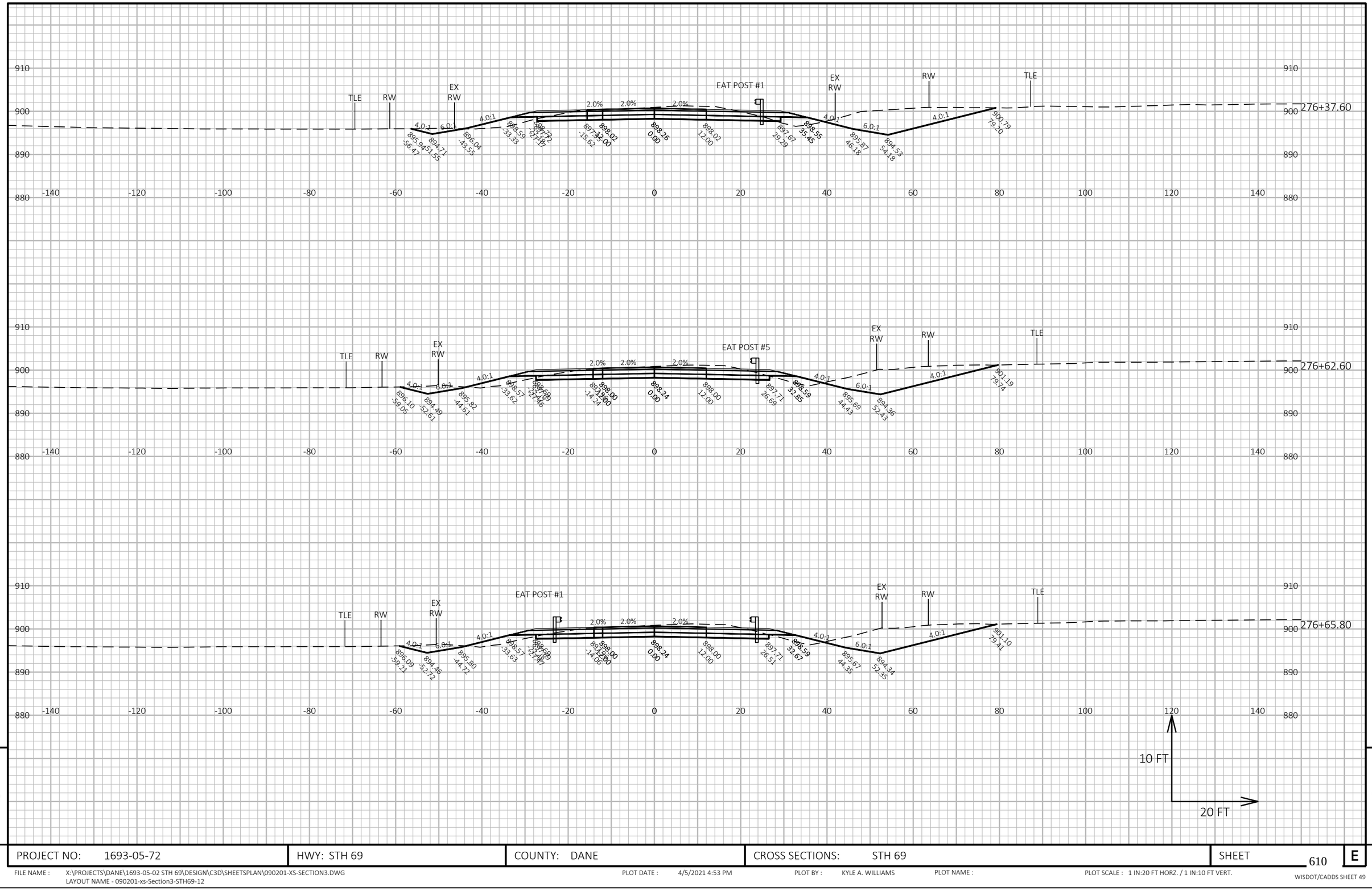


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 609 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-11

PLOT DATE : 4/5/2021 4:52 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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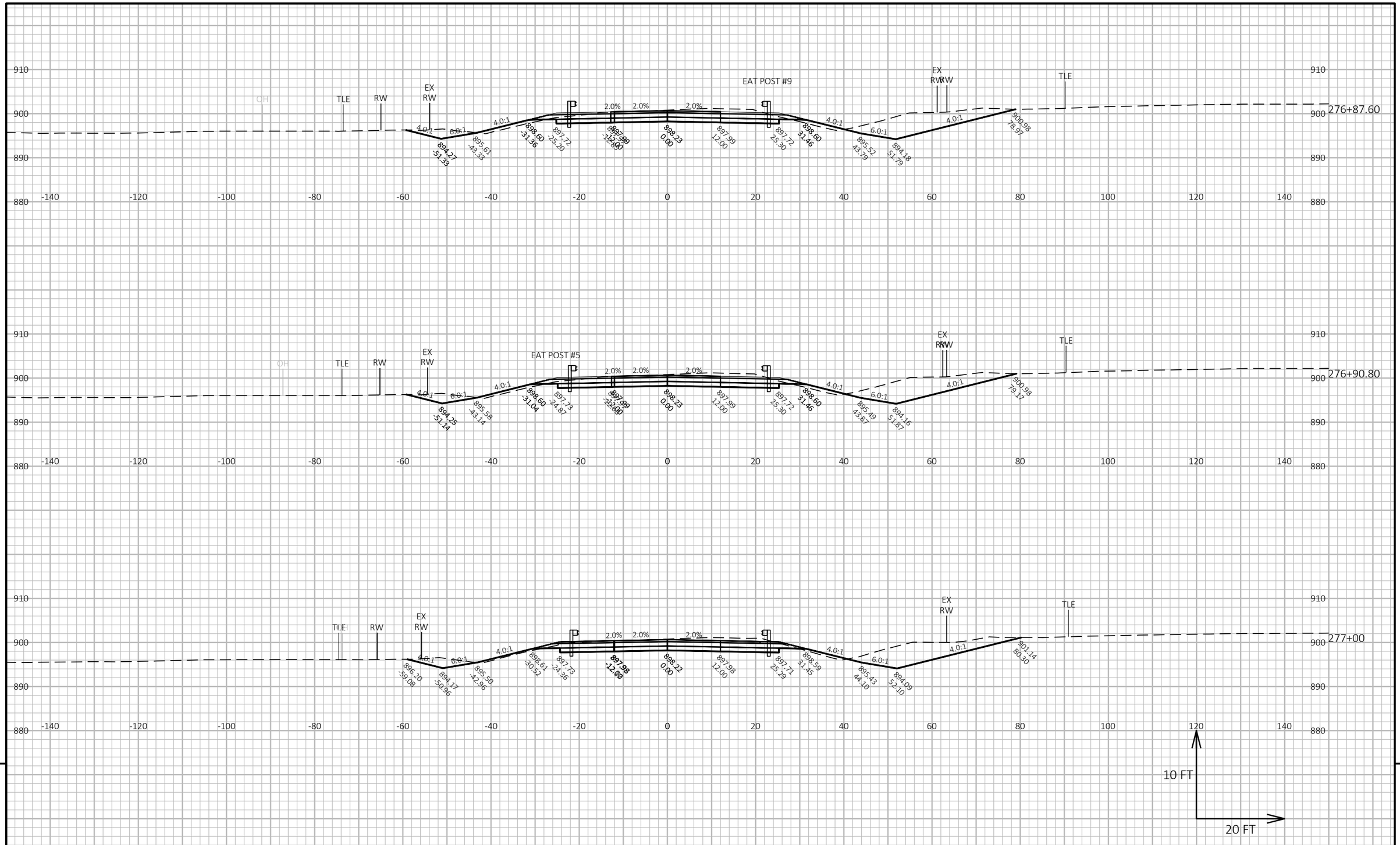
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 610	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-12

PLOT DATE : 4/5/2021 4:53 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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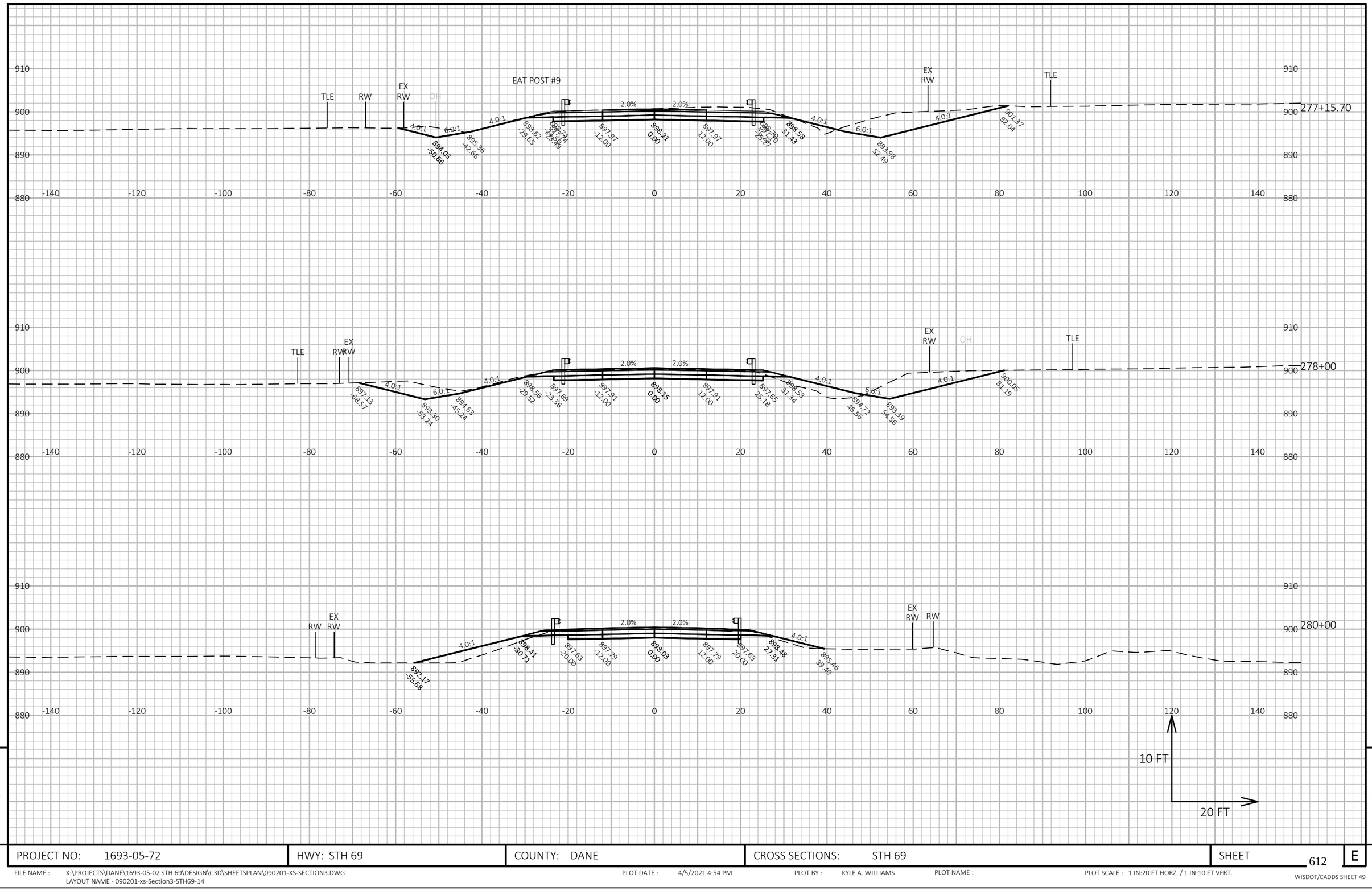
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 611	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-13

PLOT DATE : 4/5/2021 4:53 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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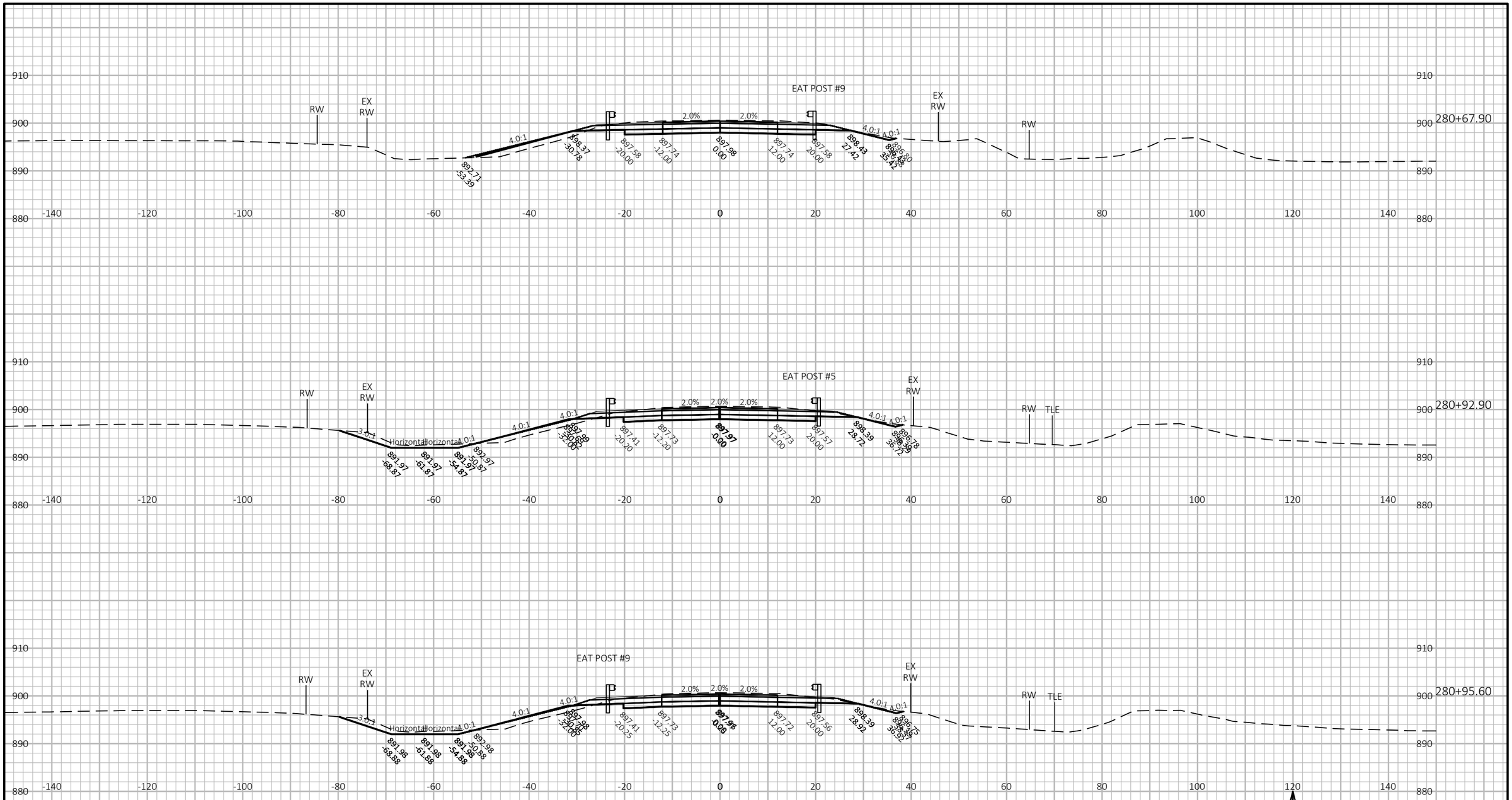
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 612	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-14

PLOT DATE : 4/5/2021 4:54 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



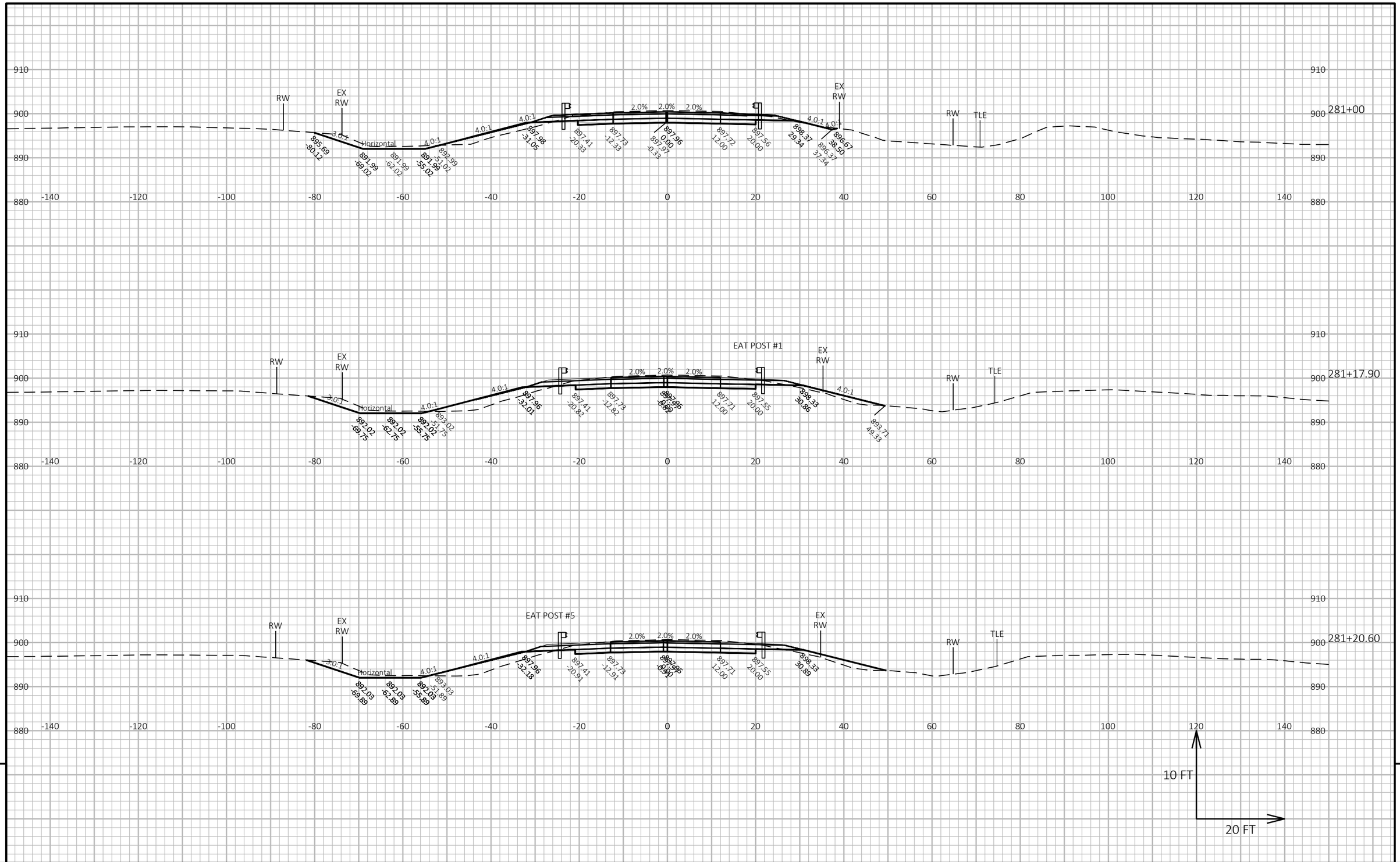
9

9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 613	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-15

PLOT DATE : 4/5/2021 4:54 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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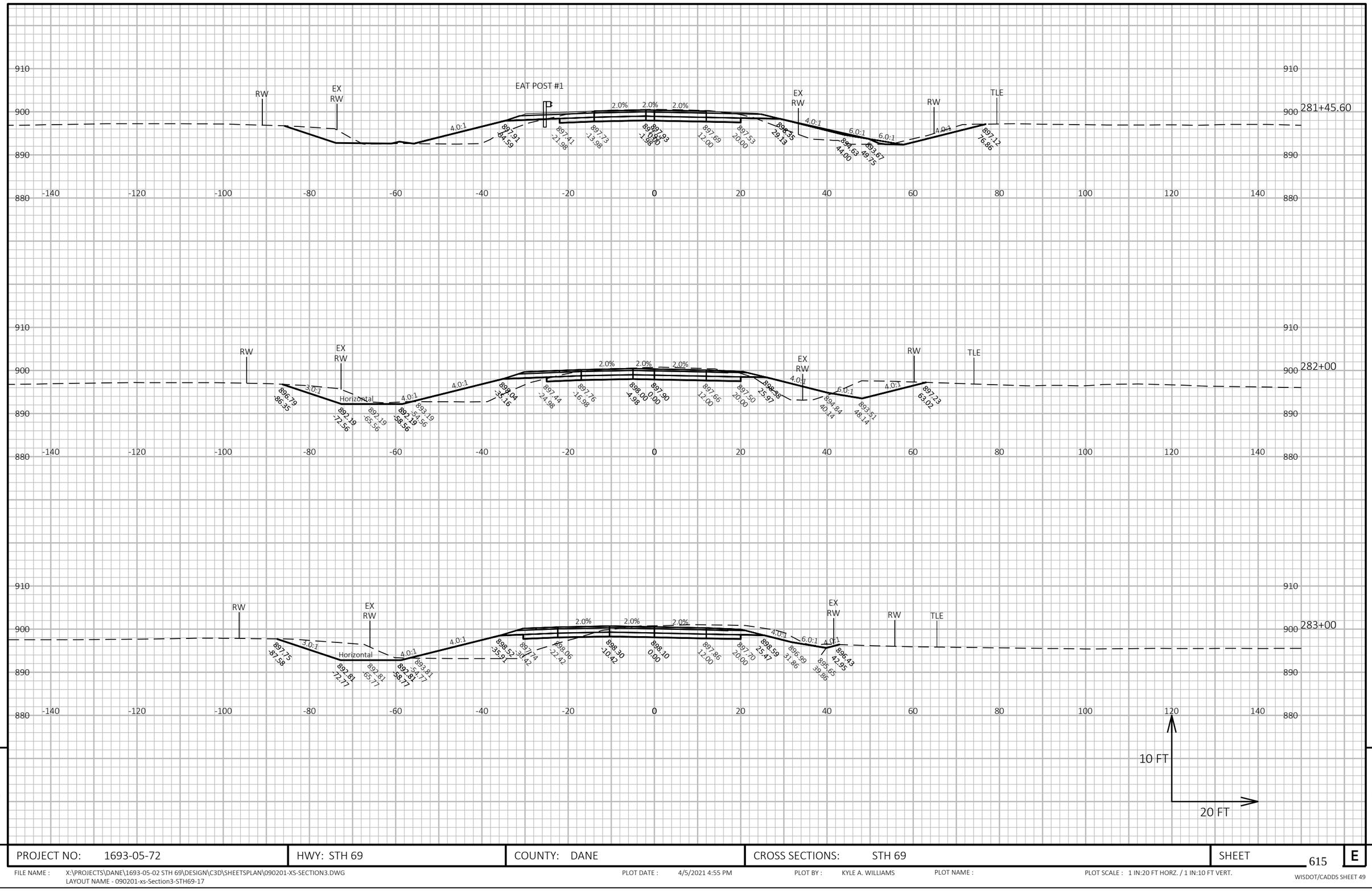
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 614	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-16

PLOT DATE : 4/5/2021 4:55 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

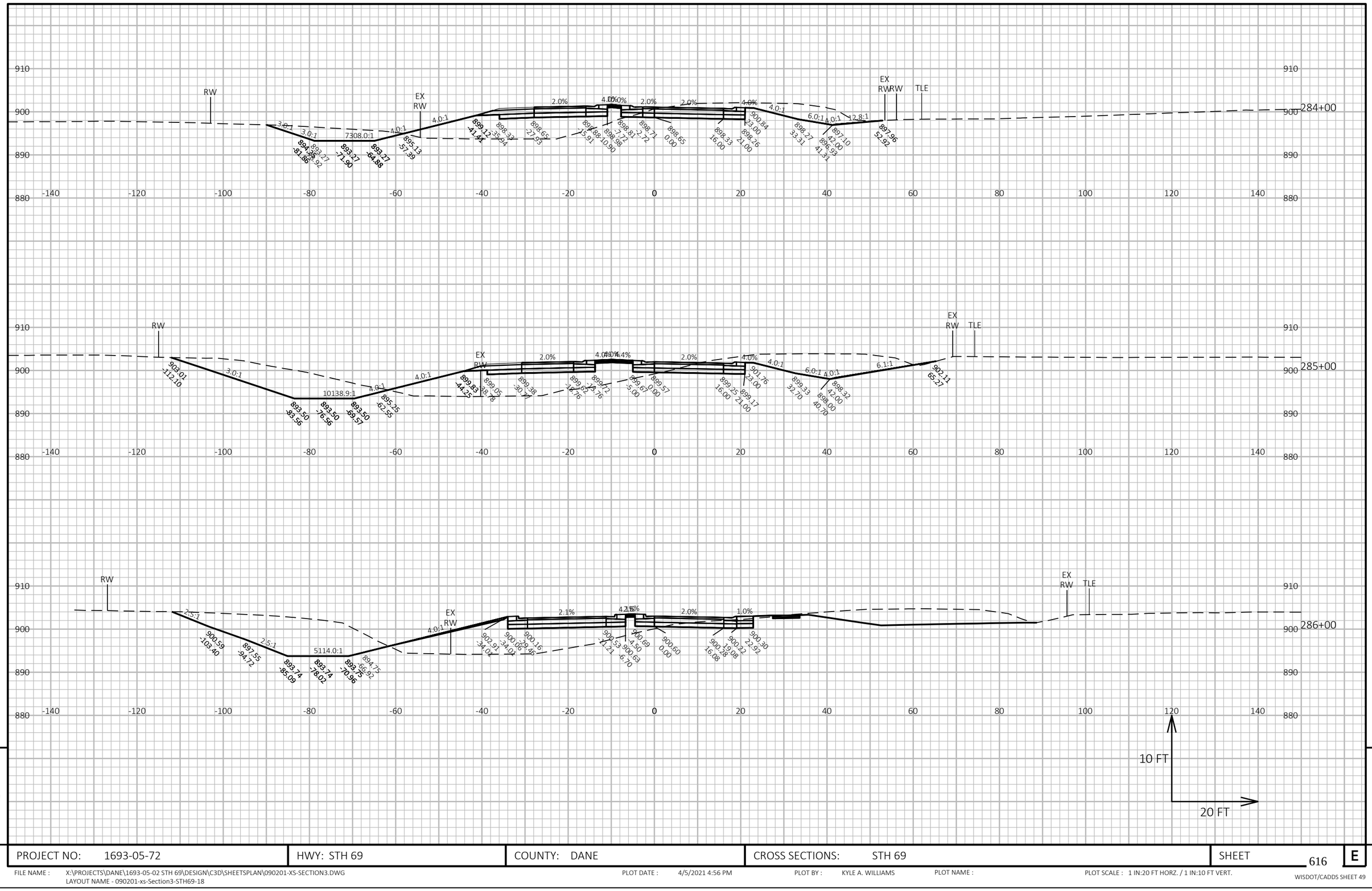


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 615	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-17

PLOT DATE : 4/5/2021 4:55 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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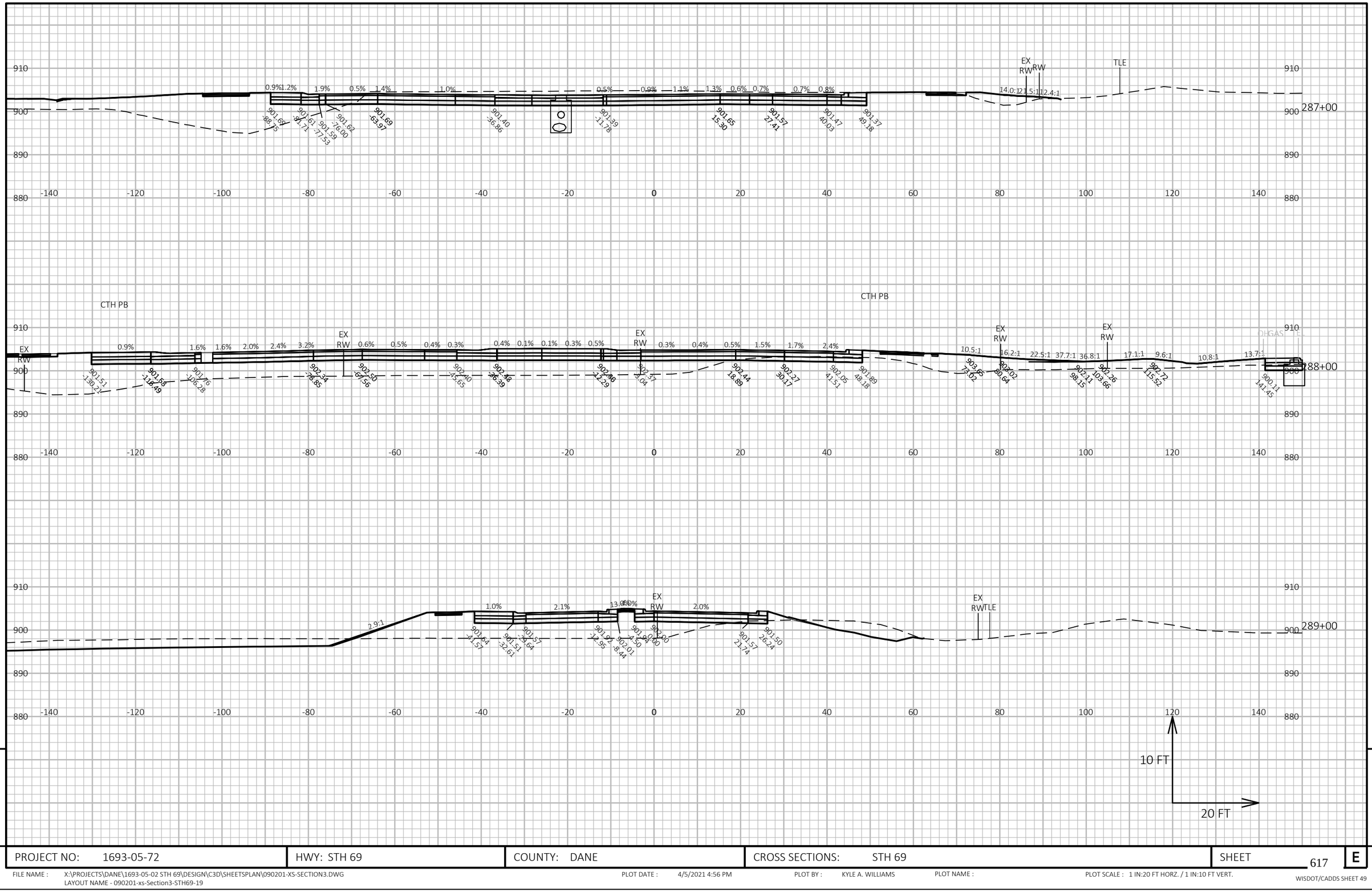
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 616	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-18

PLOT DATE : 4/5/2021 4:56 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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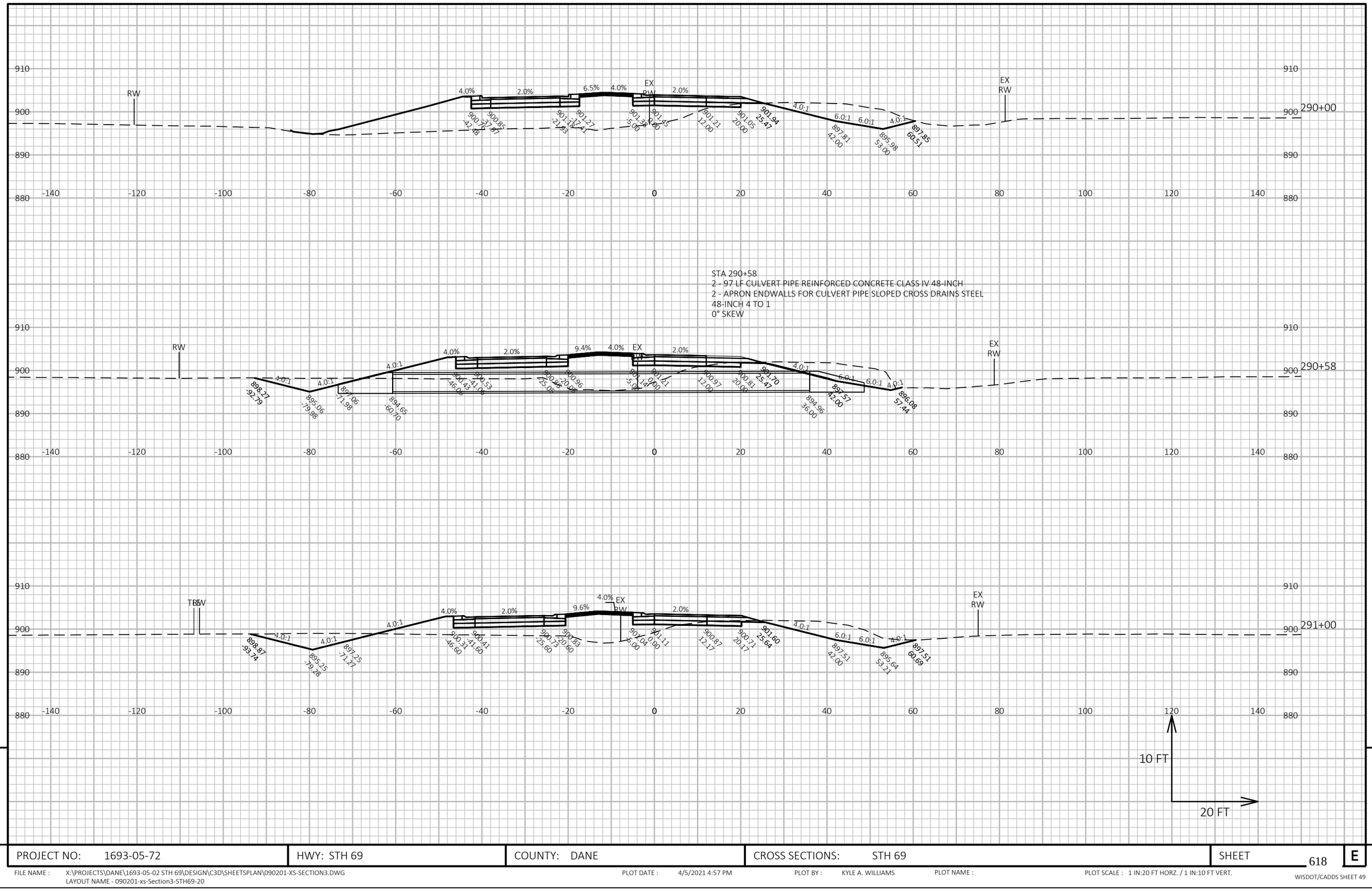
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 617	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-19

PLOT DATE : 4/5/2021 4:56 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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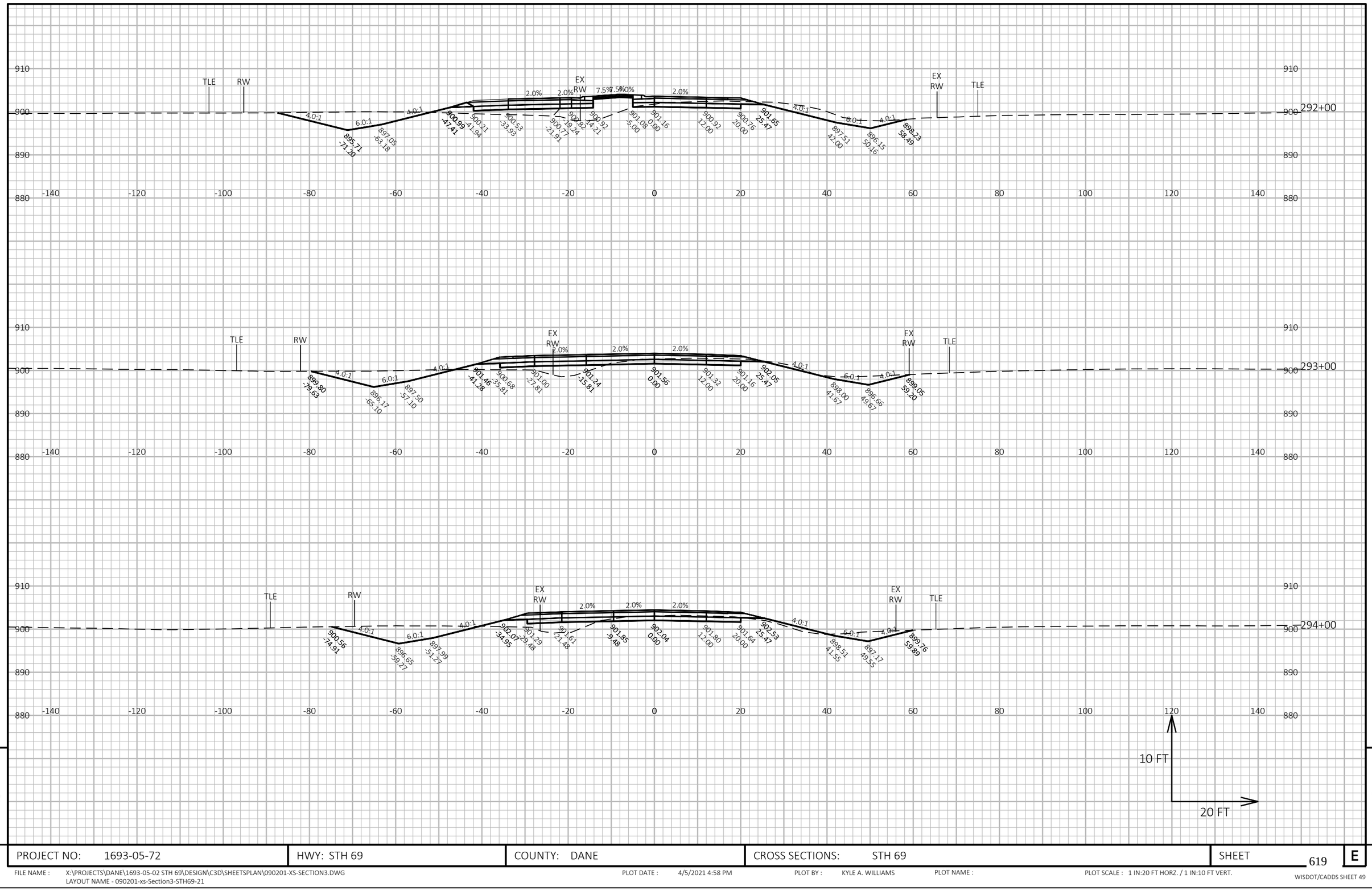
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 618	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-20

PLOT DATE : 4/5/2021 4:57 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

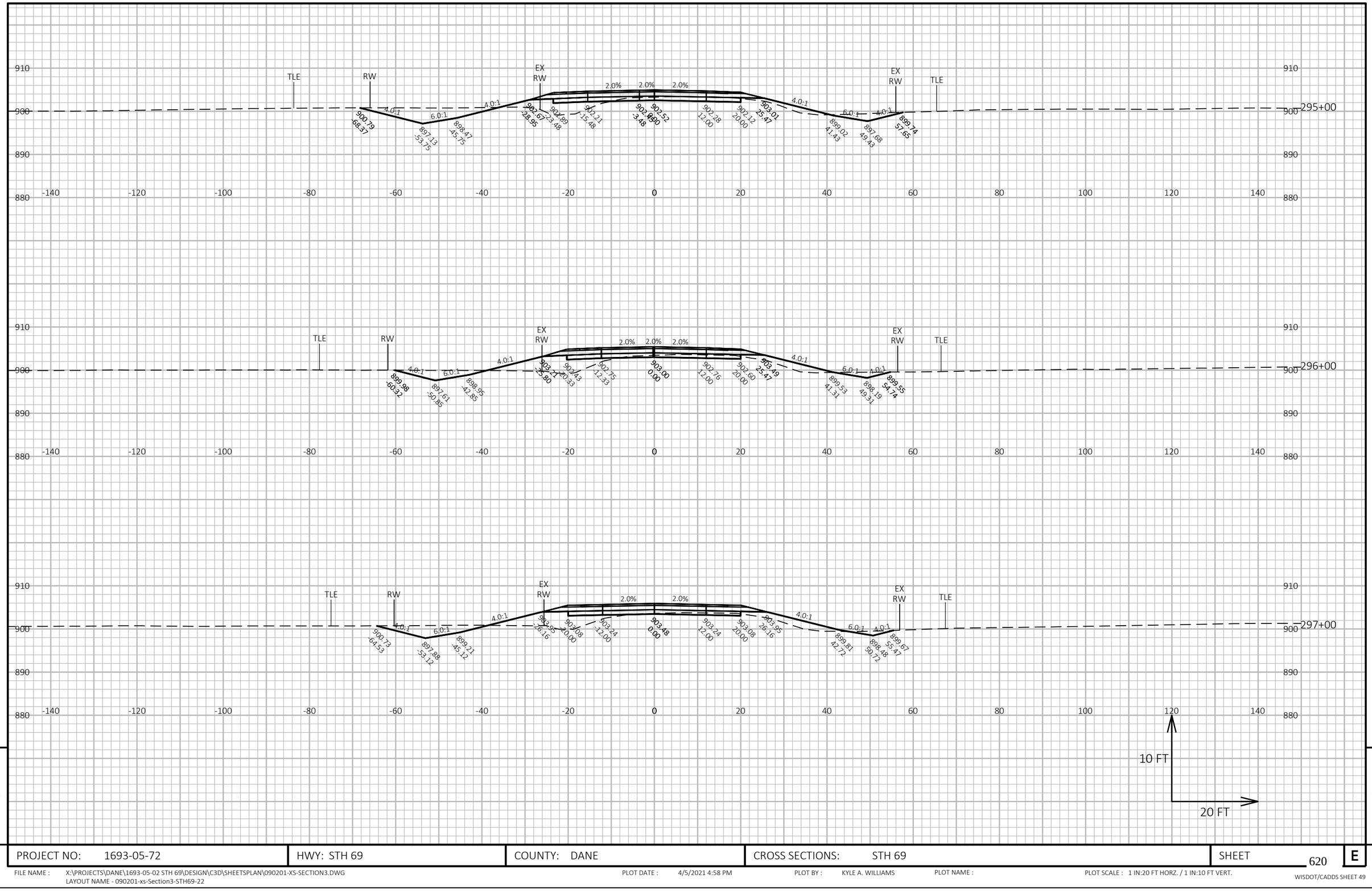


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 619	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-21

PLOT DATE : 4/5/2021 4:58 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

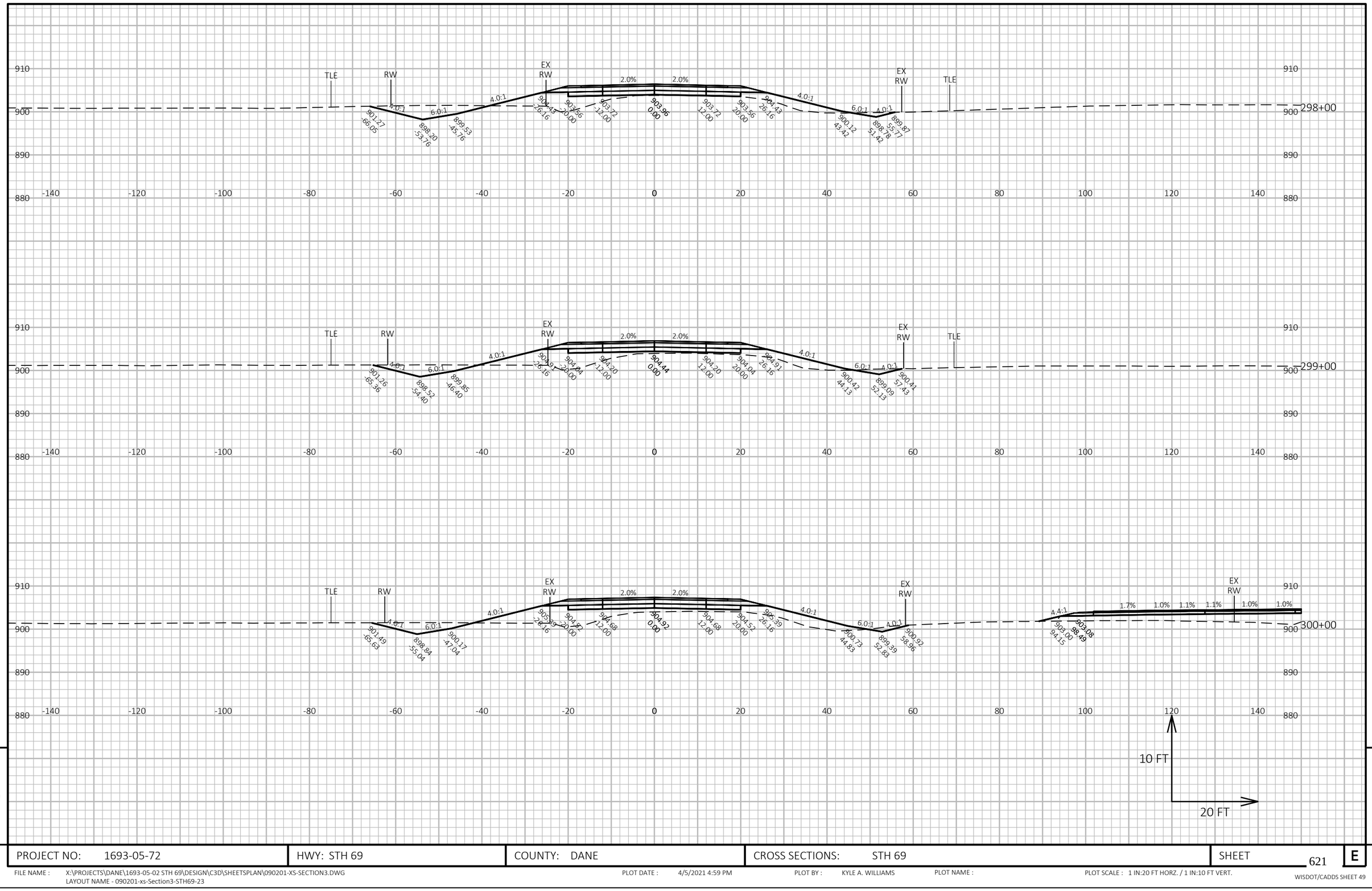


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 620 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-22

PLOT DATE : 4/5/2021 4:58 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 621	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-23

PLOT DATE : 4/5/2021 4:59 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

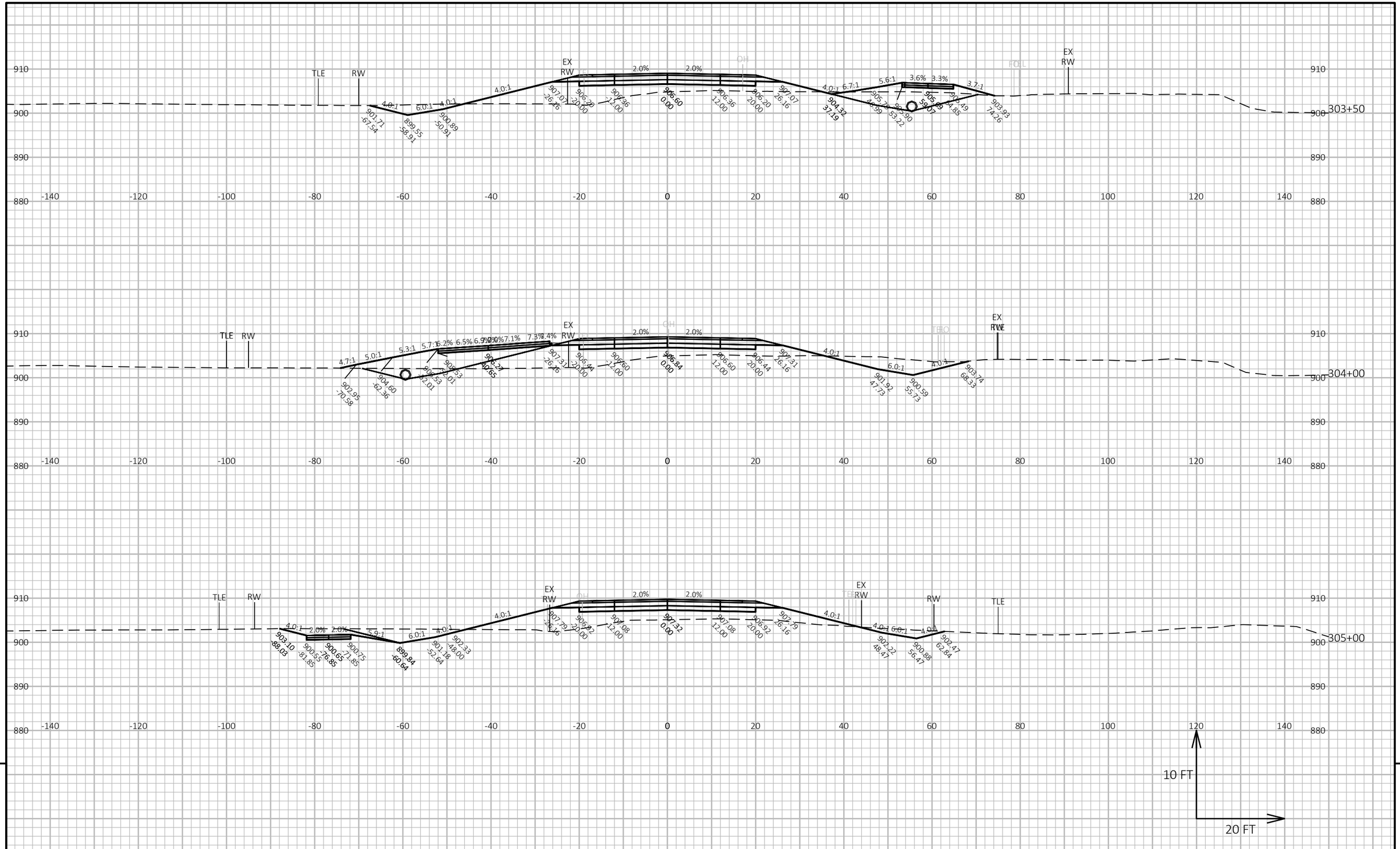
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 622	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-24

PLOT DATE : 4/5/2021 4:59 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

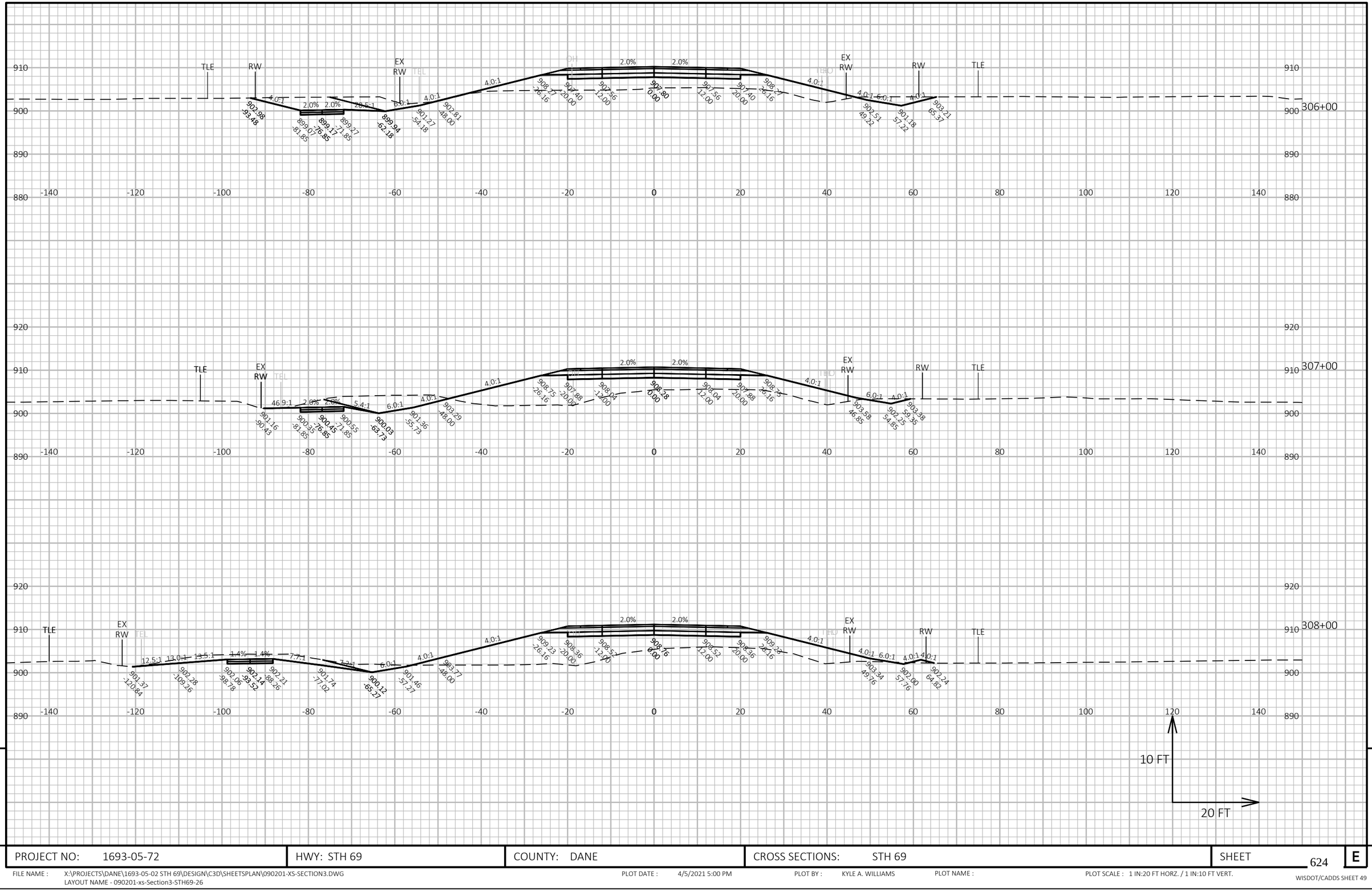


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 623 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-25

PLOT DATE : 4/5/2021 5:00 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

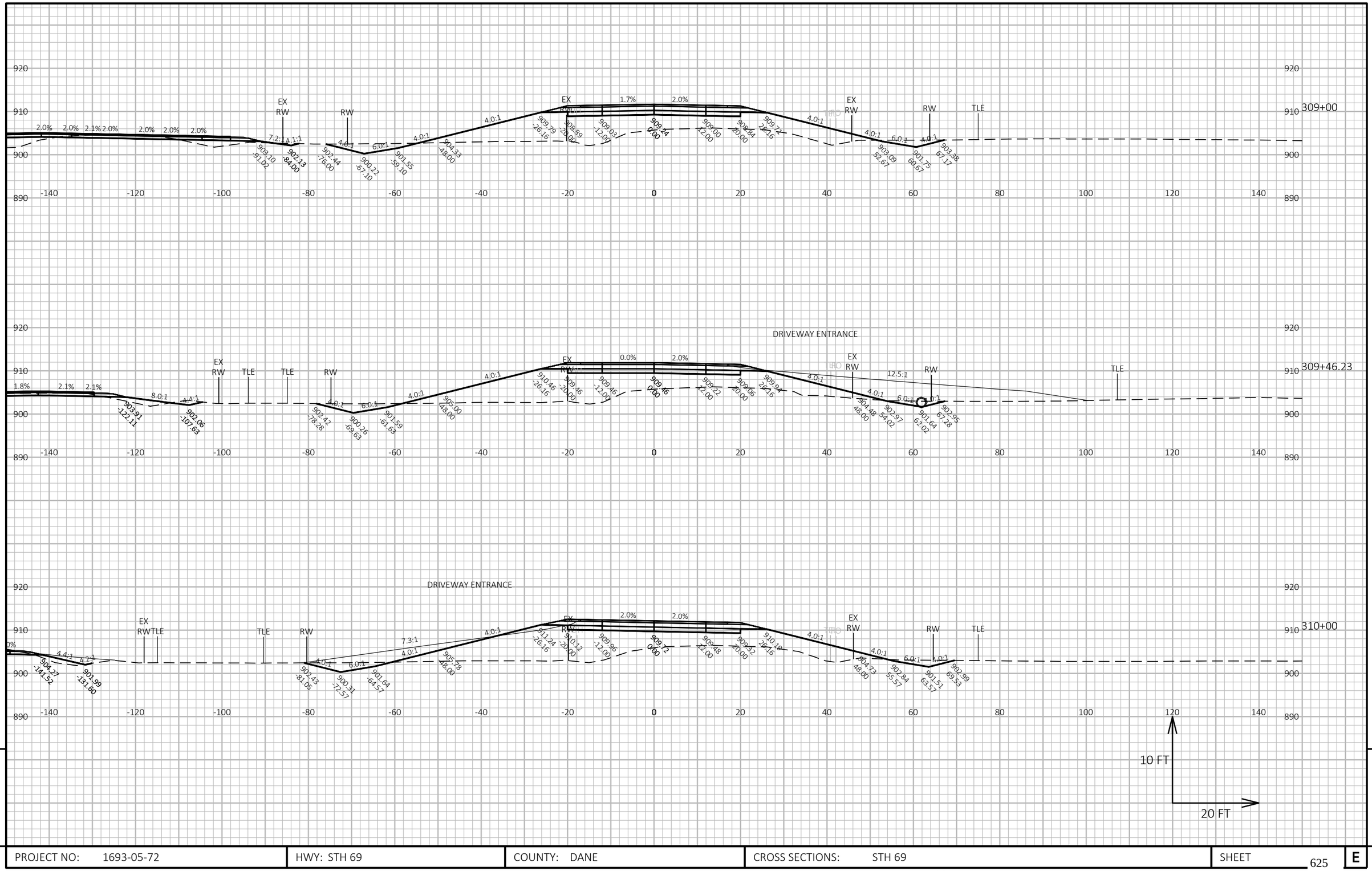


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 624	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-26

PLOT DATE : 4/5/2021 5:00 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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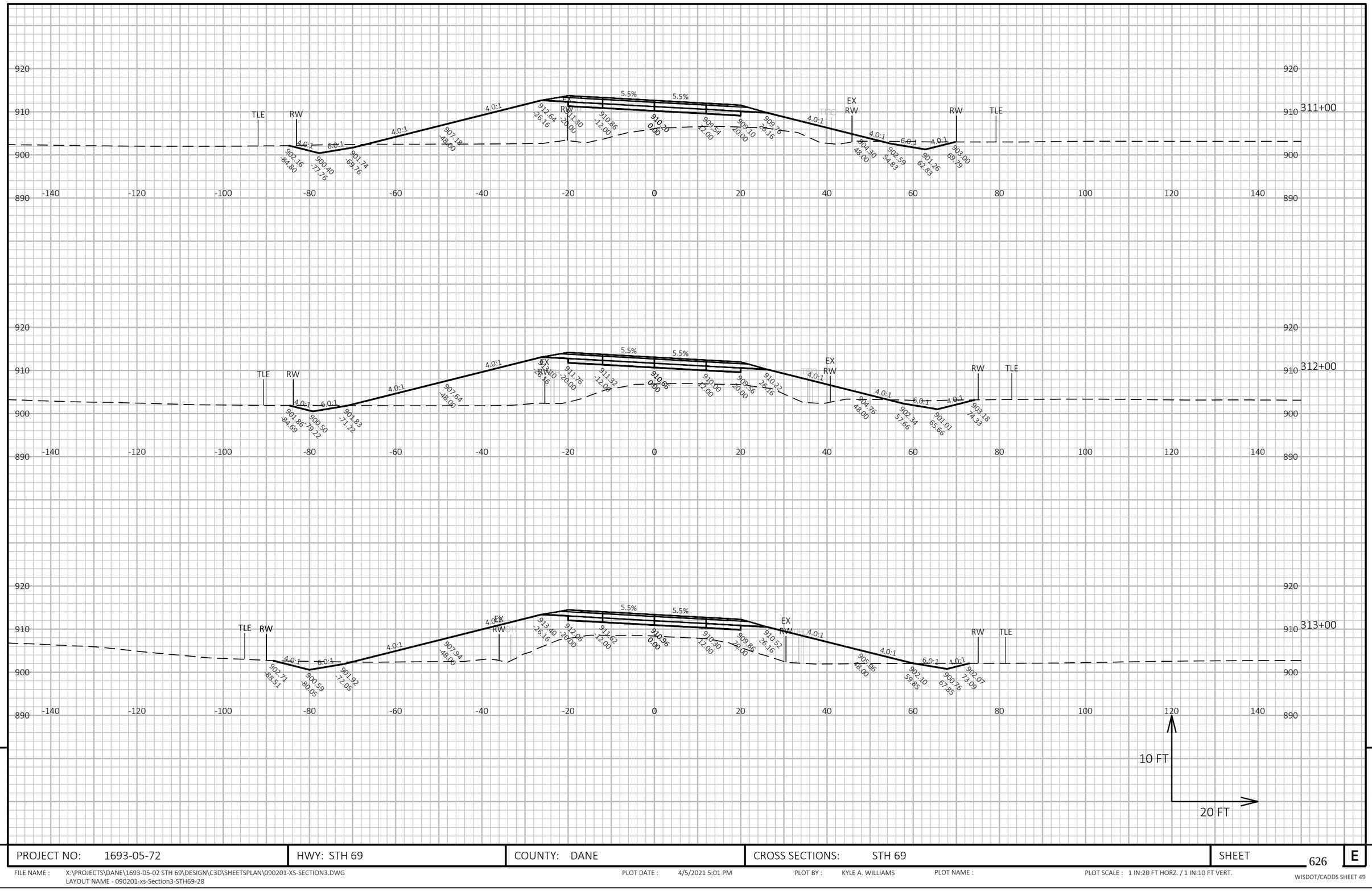
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 625	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-27

PLOT DATE : 4/5/2021 5:01 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



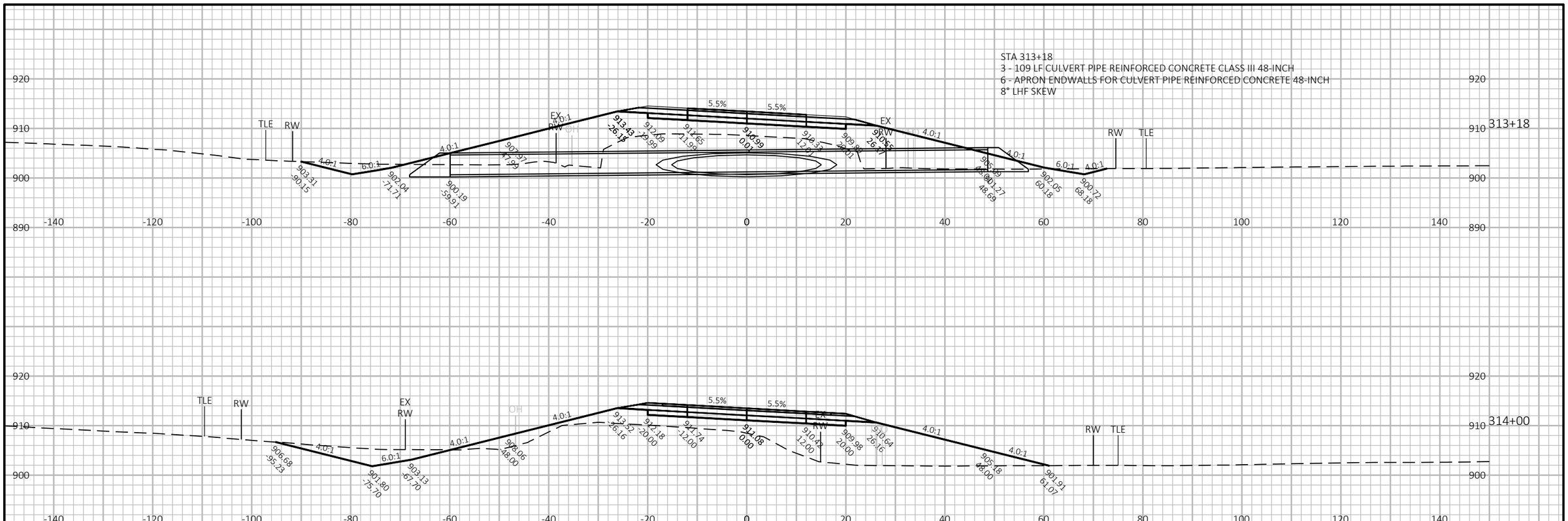
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 626 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-28

PLOT DATE : 4/5/2021 5:01 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

STA 313+18
3 - 109 LF CULVERT PIPE REINFORCED CONCRETE CLASS III 48-INCH
6 - APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 48-INCH
8° LHF SKEW



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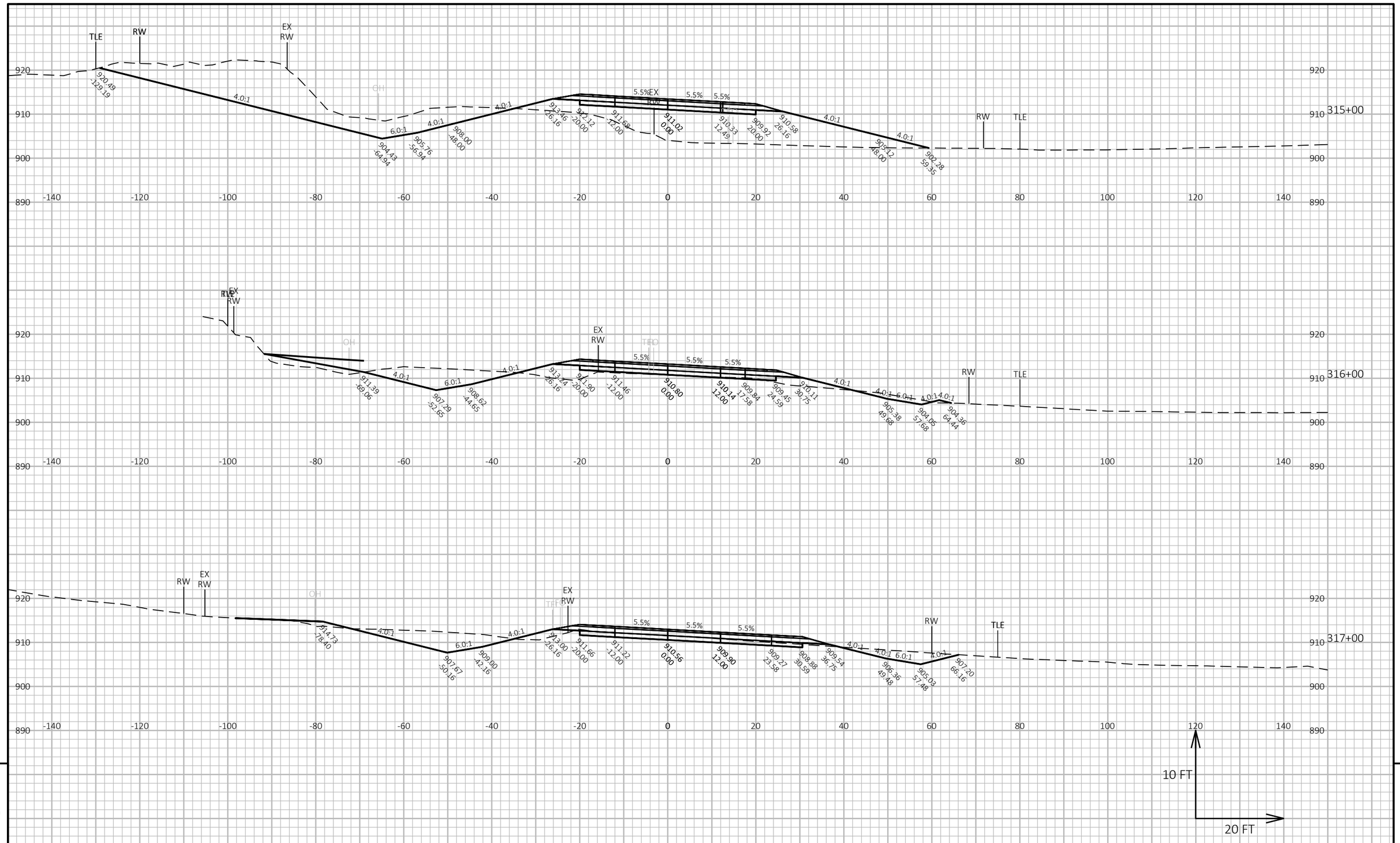
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 627	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-29

PLOT DATE : 4/5/2021 5:02 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

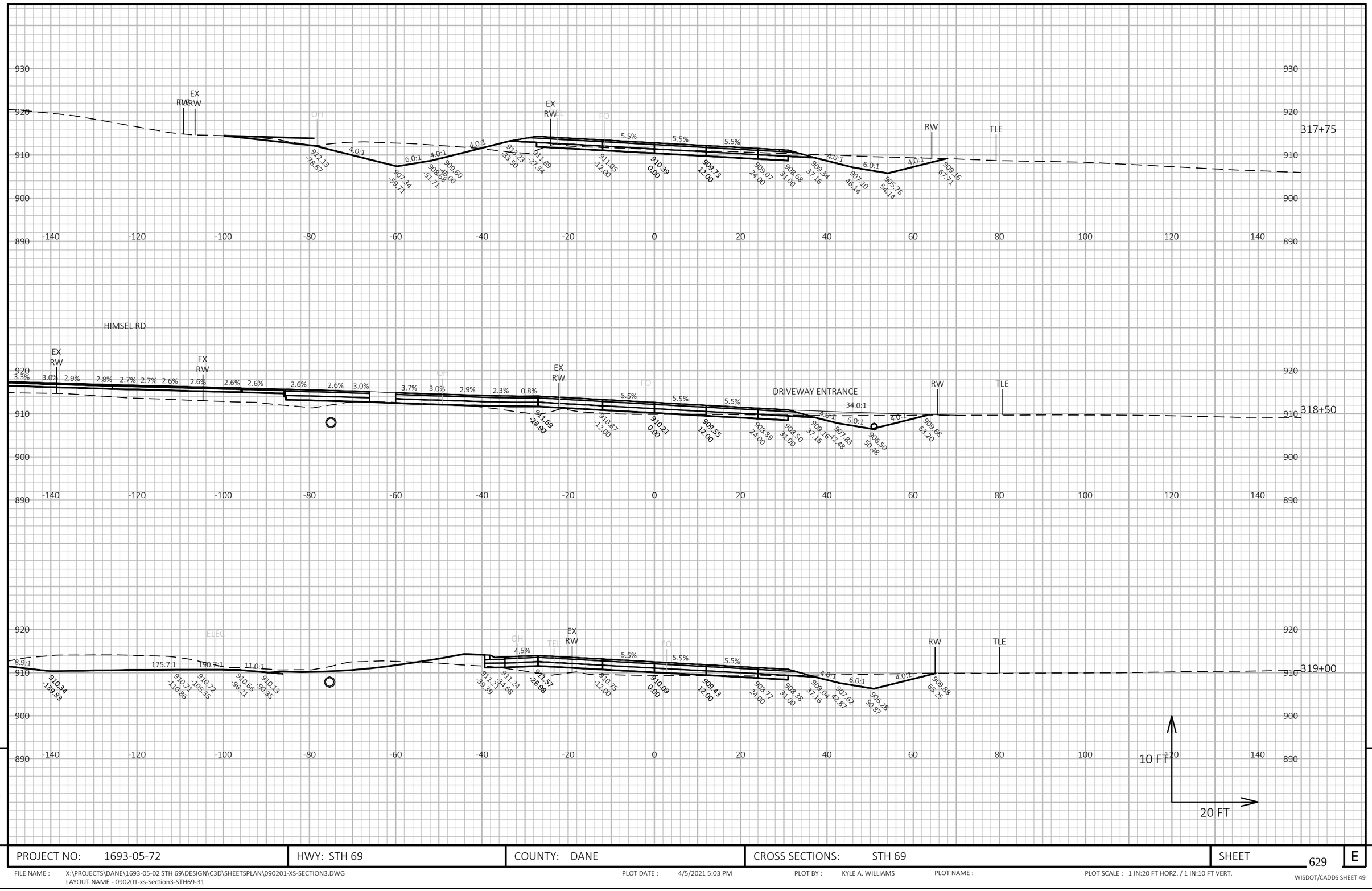


9	PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 628 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-30

PLOT DATE : 4/5/2021 5:02 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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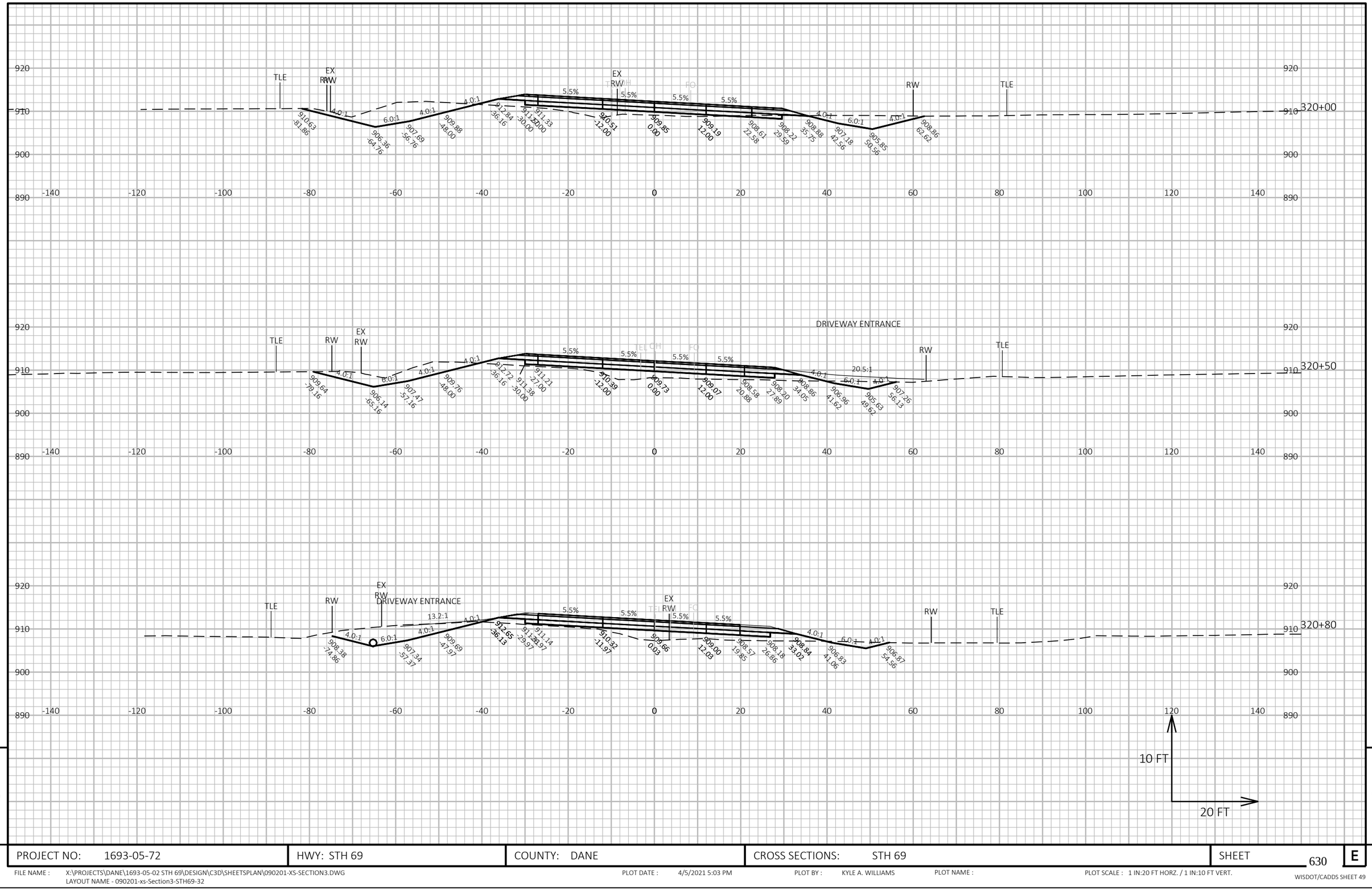
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 629	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-31

PLOT DATE : 4/5/2021 5:03 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

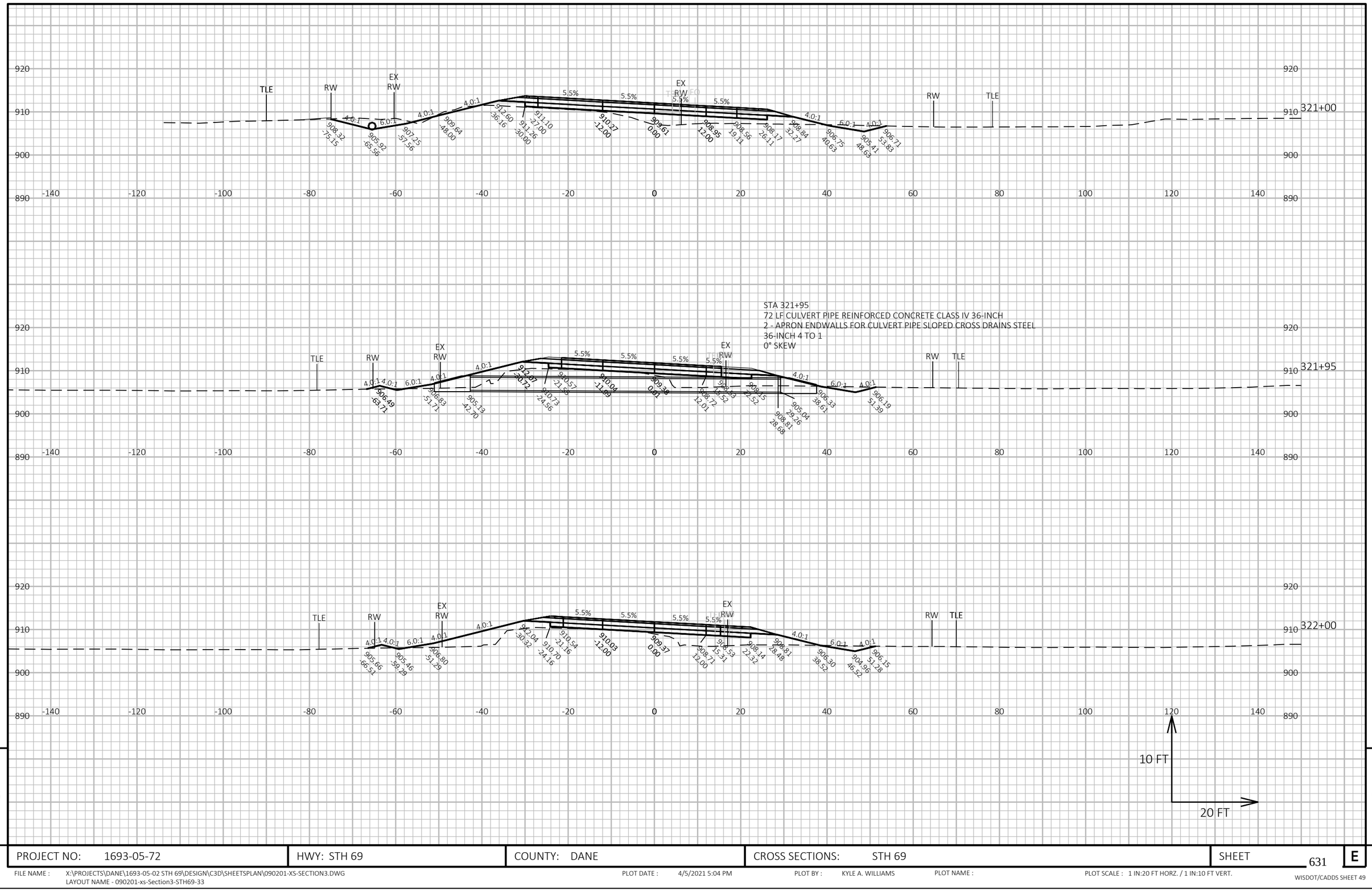


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 630	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-32

PLOT DATE : 4/5/2021 5:03 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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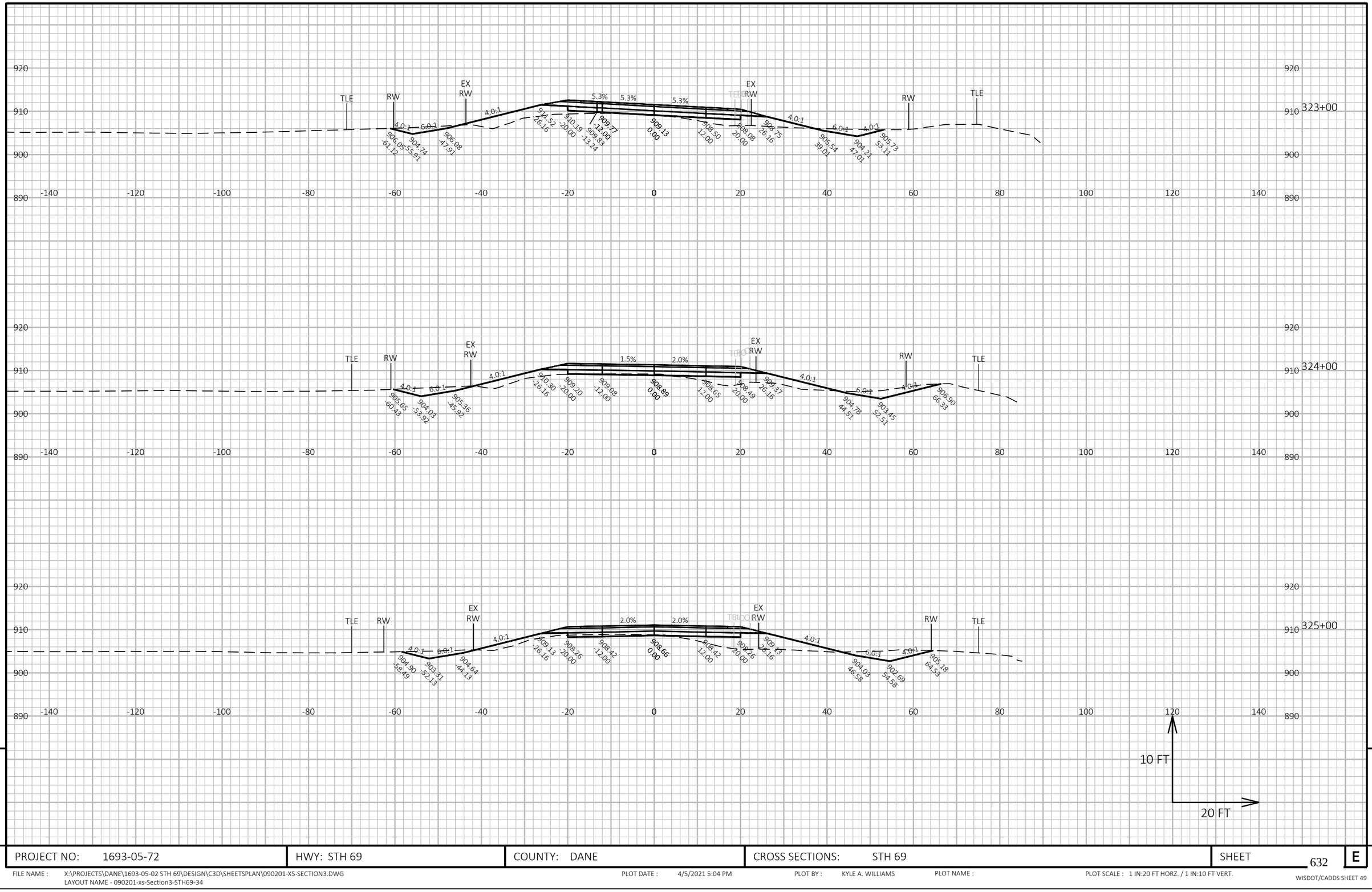
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 631	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-33

PLOT DATE : 4/5/2021 5:04 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



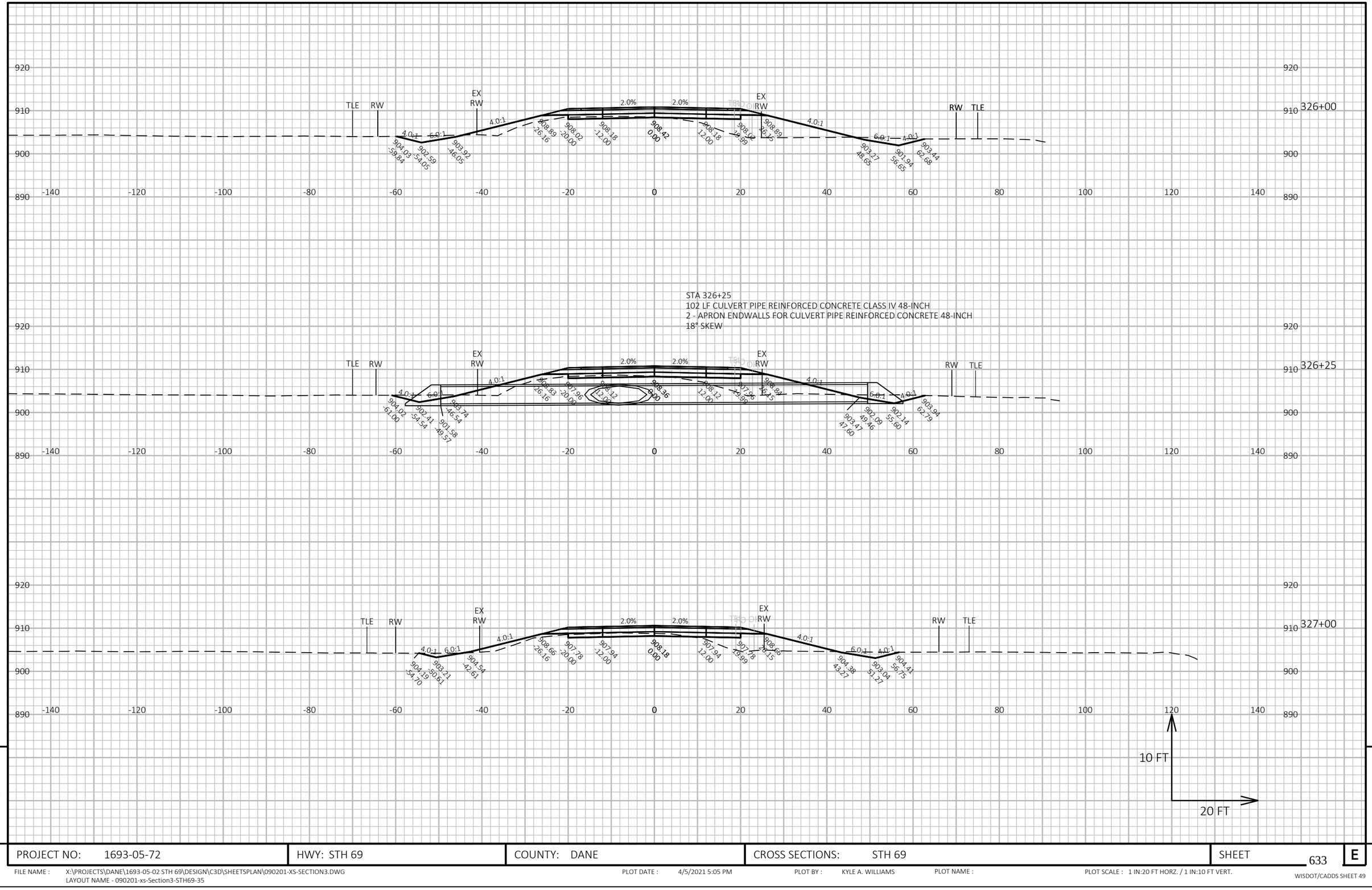
9

9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 632	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-34

PLOT DATE : 4/5/2021 5:04 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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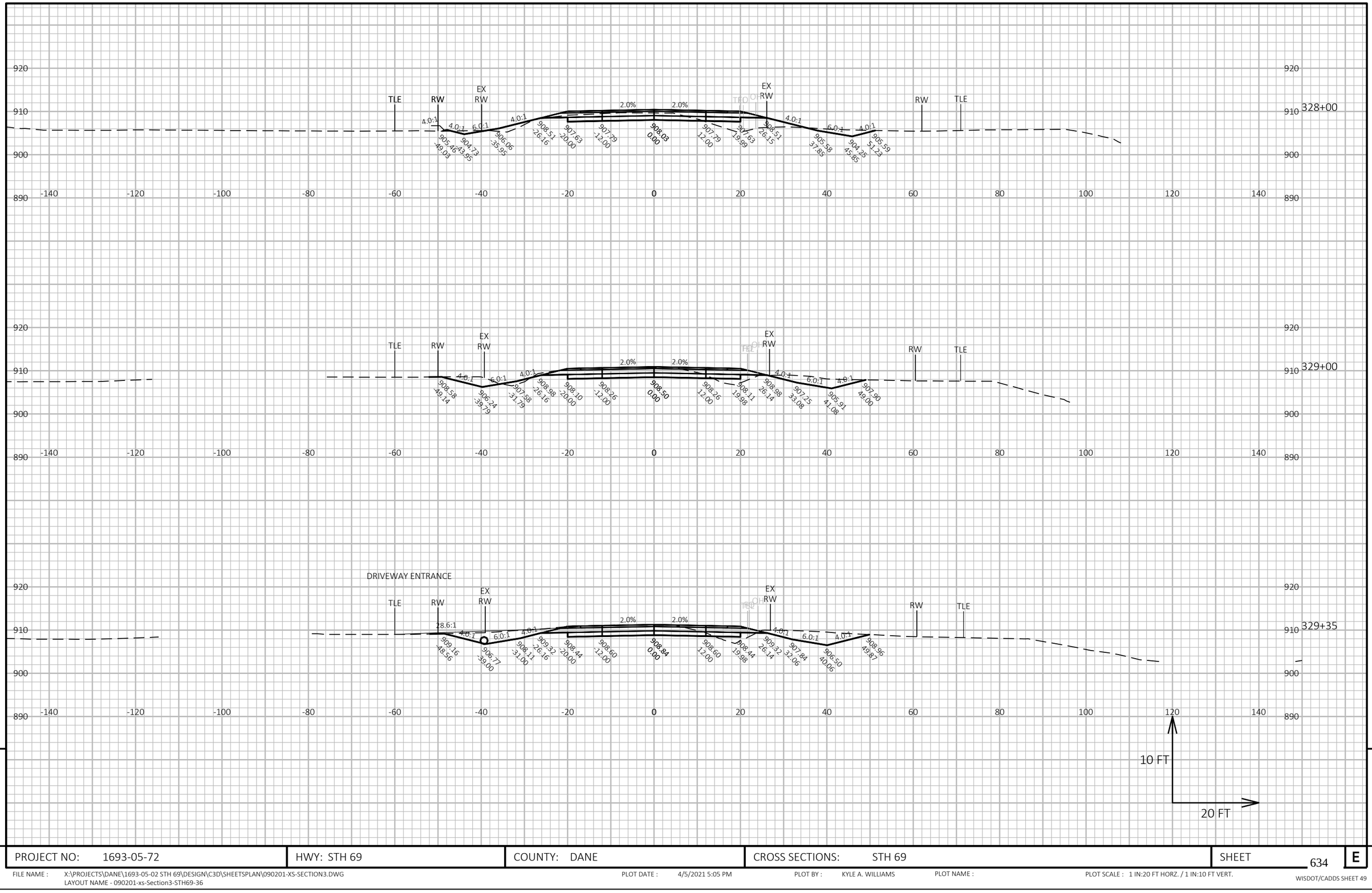
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 633	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-35

PLOT DATE : 4/5/2021 5:05 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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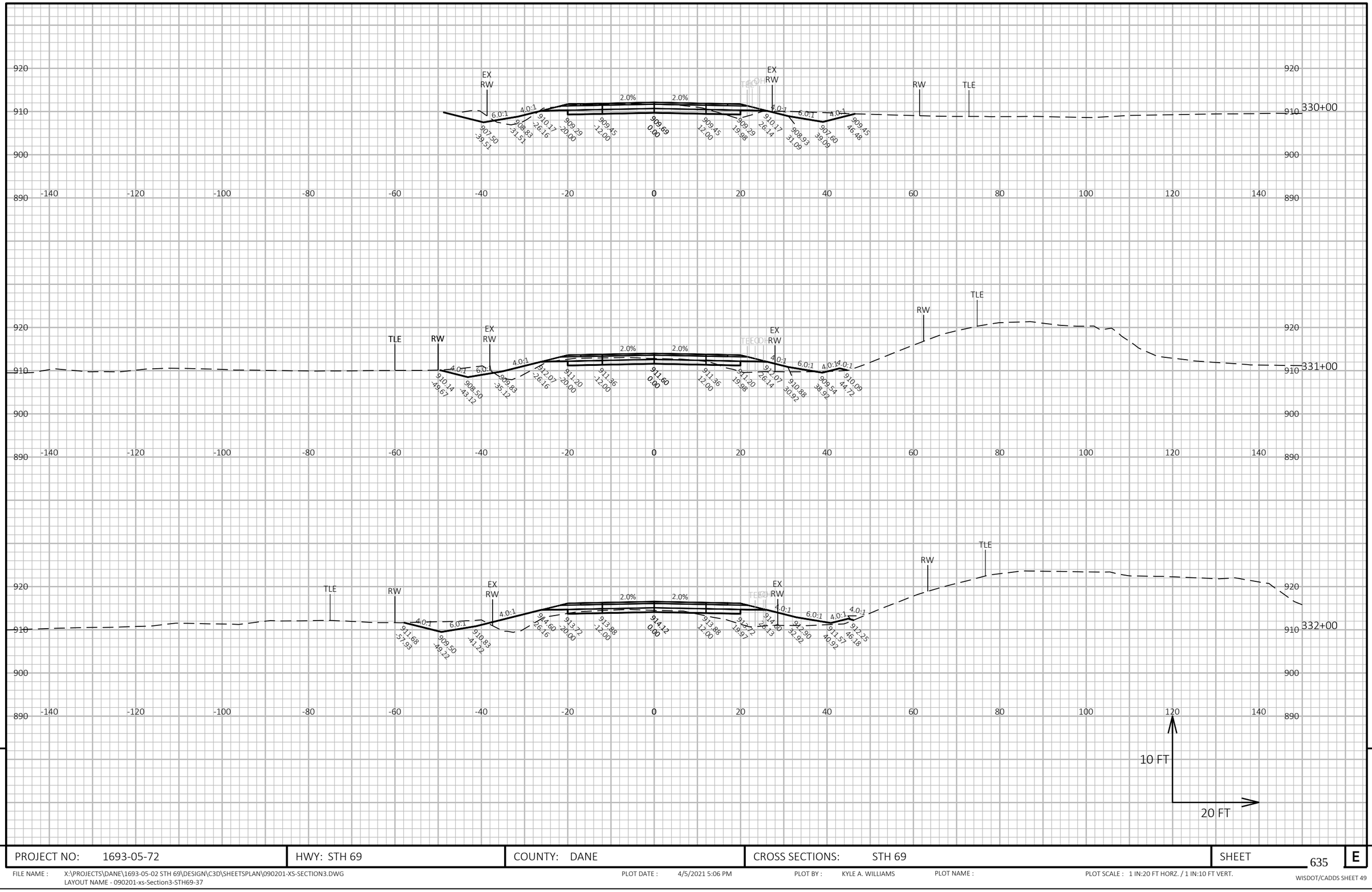
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 634	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-36

PLOT DATE : 4/5/2021 5:05 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



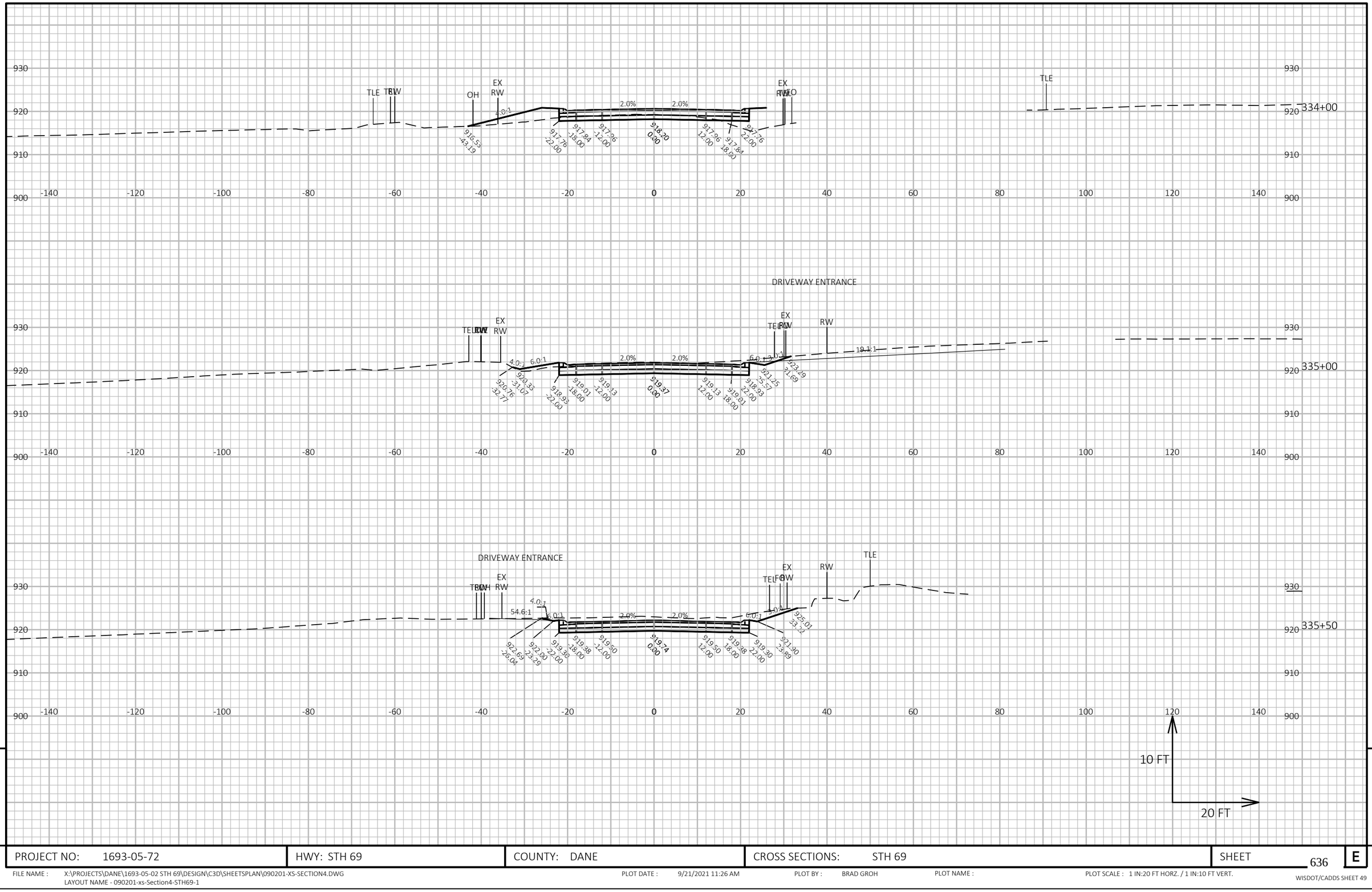
9

9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 635	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-STH69-37

PLOT DATE : 4/5/2021 5:06 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

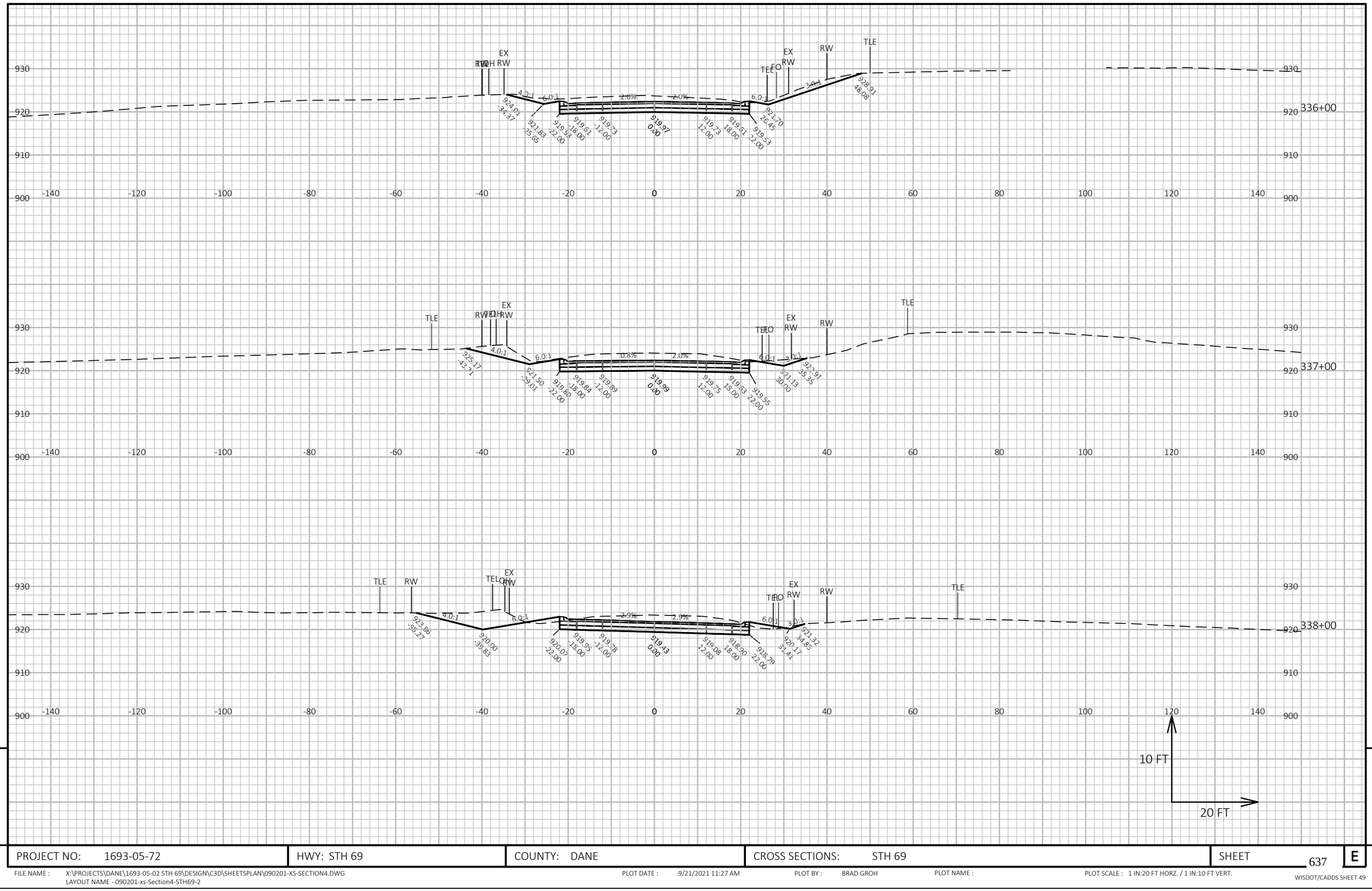
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 636	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-1

PLOT DATE : 9/21/2021 11:26 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

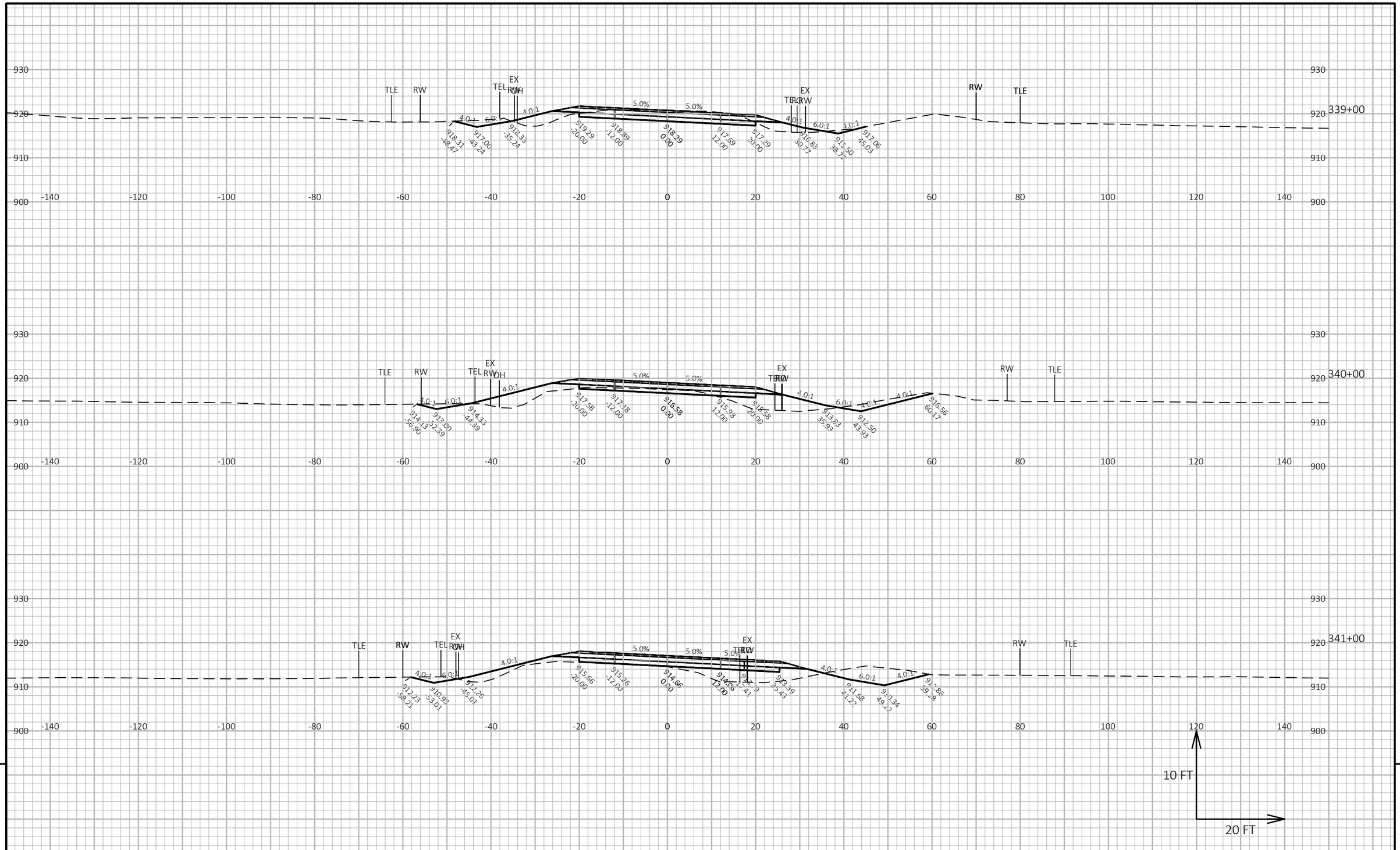


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 637	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-2

PLOT DATE : 9/21/2021 11:27 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

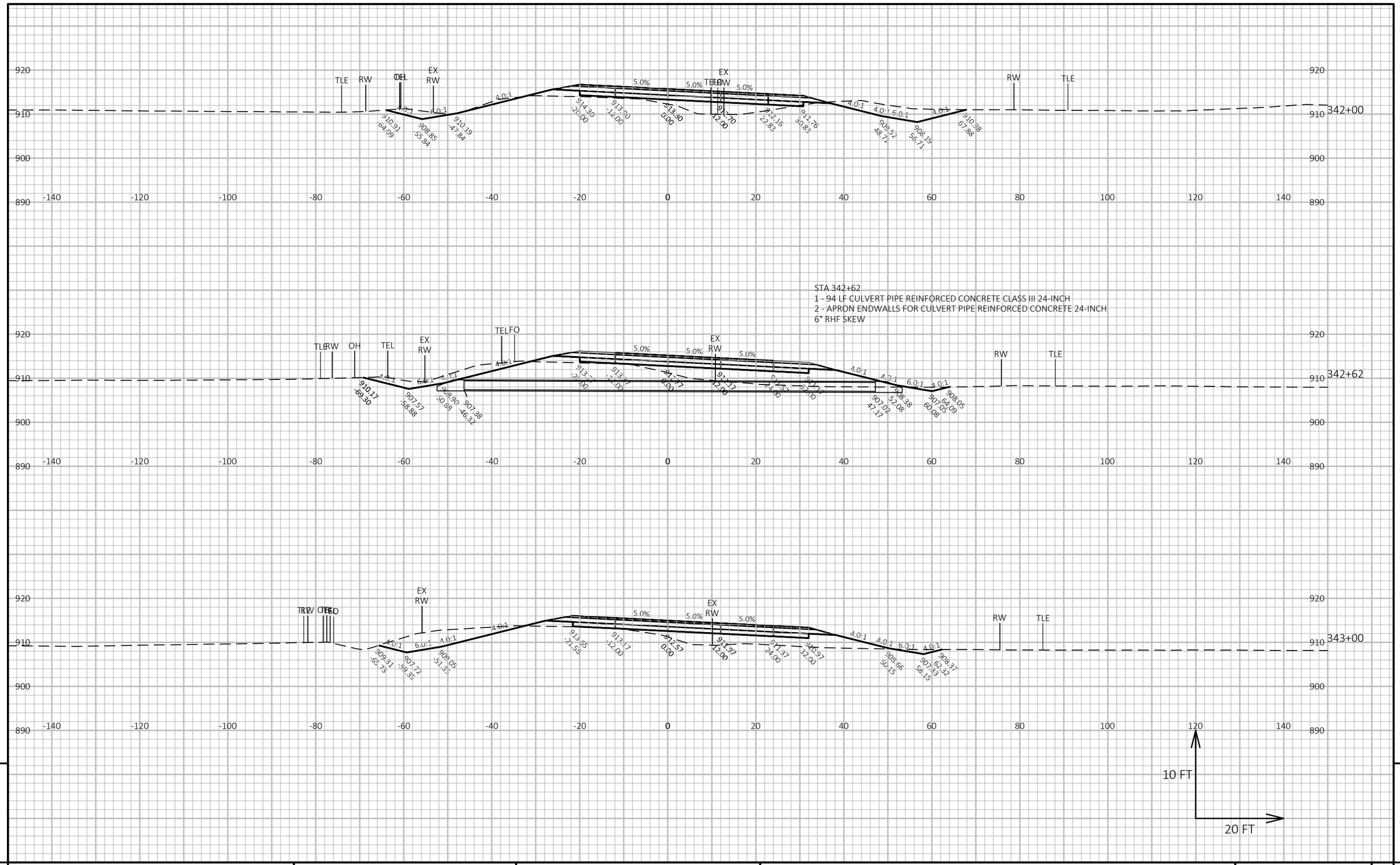


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 638 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-3

PLOT DATE : 9/21/2021 11:28 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

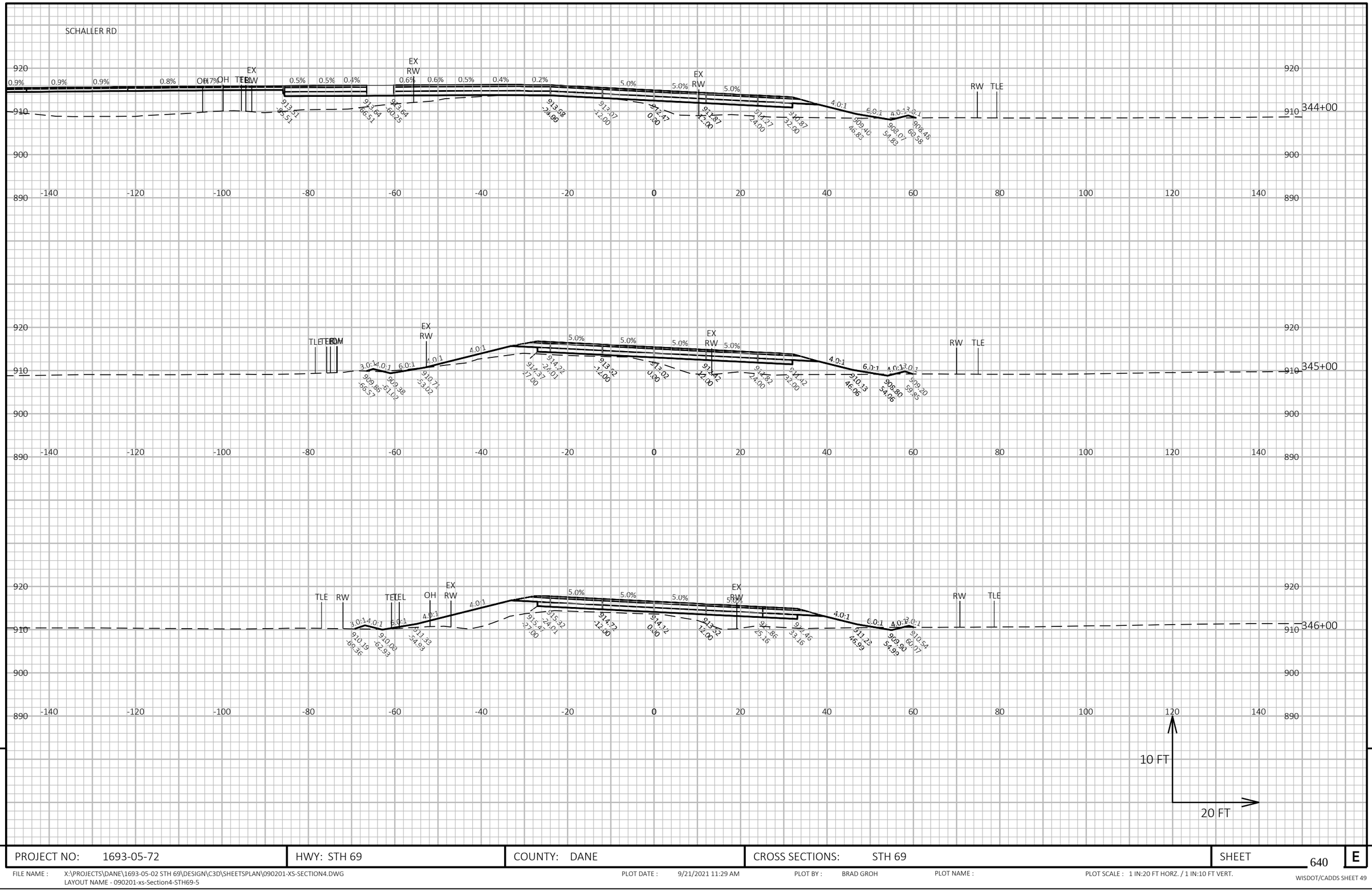


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 639 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-4

PLOT DATE : 9/21/2021 11:28 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

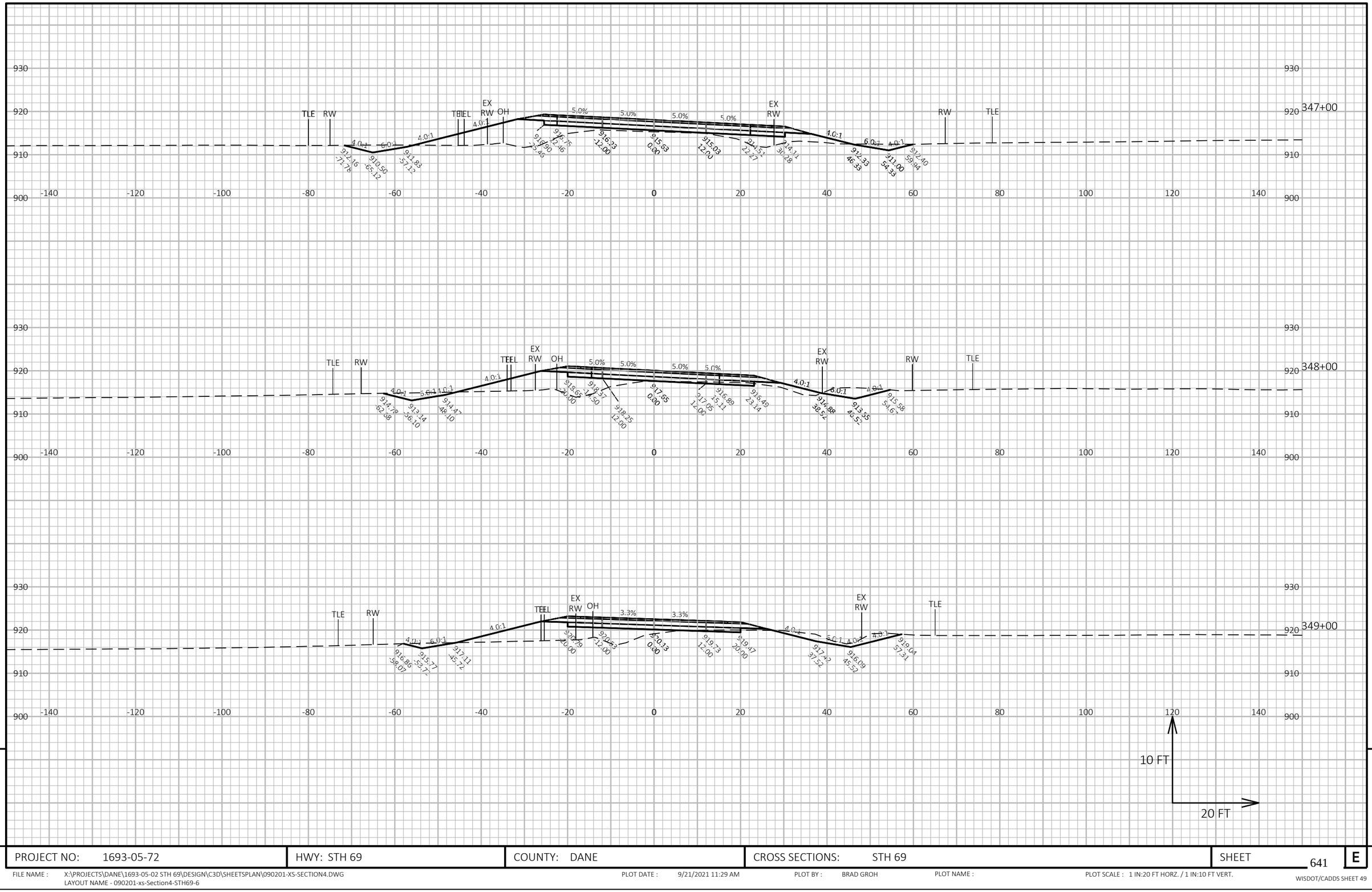


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 640 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-5

PLOT DATE : 9/21/2021 11:29 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

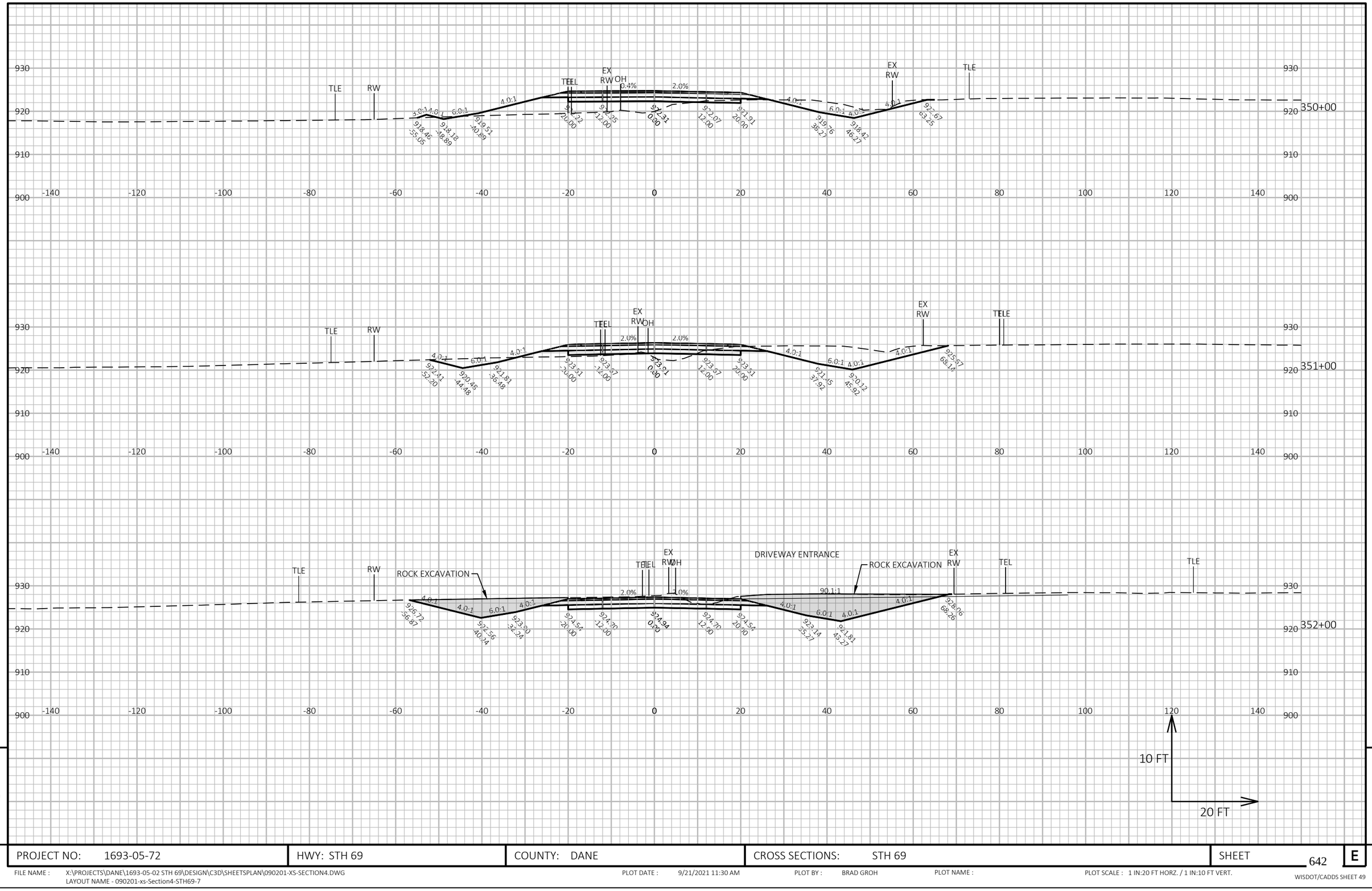
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 641	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-6

PLOT DATE : 9/21/2021 11:29 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

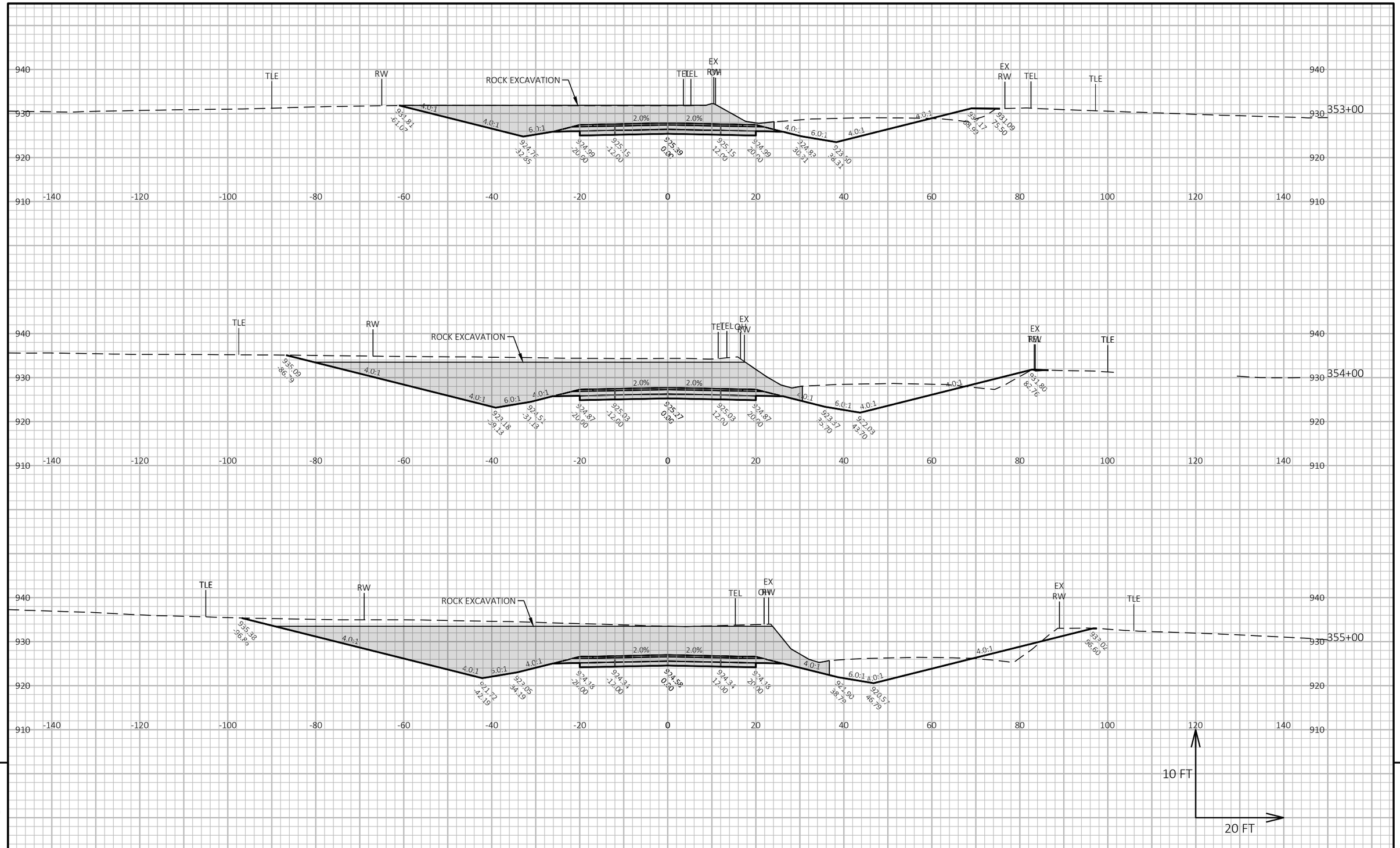
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 642	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-7

PLOT DATE : 9/21/2021 11:30 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

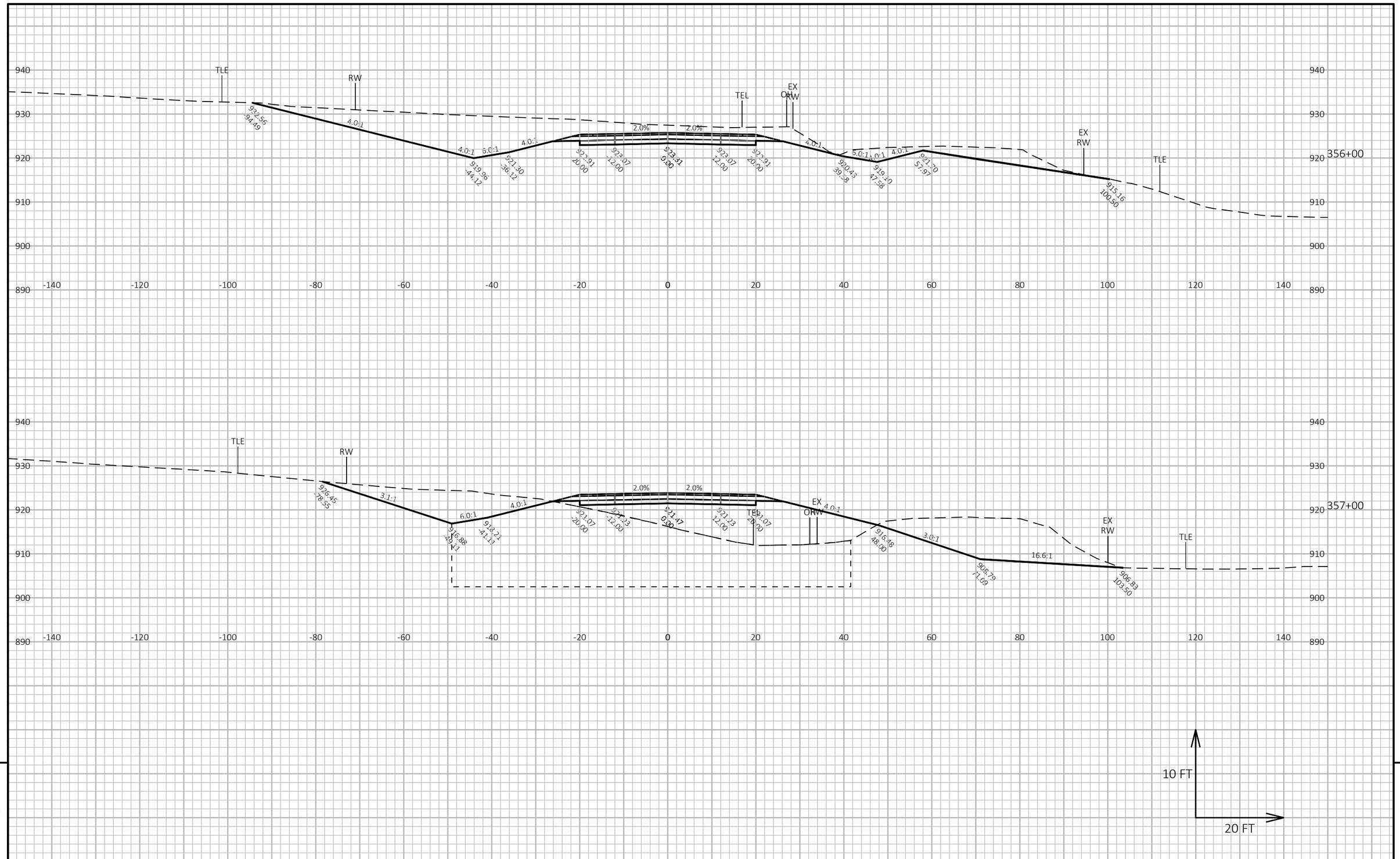
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 643	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-8

PLOT DATE : 9/21/2021 11:30 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

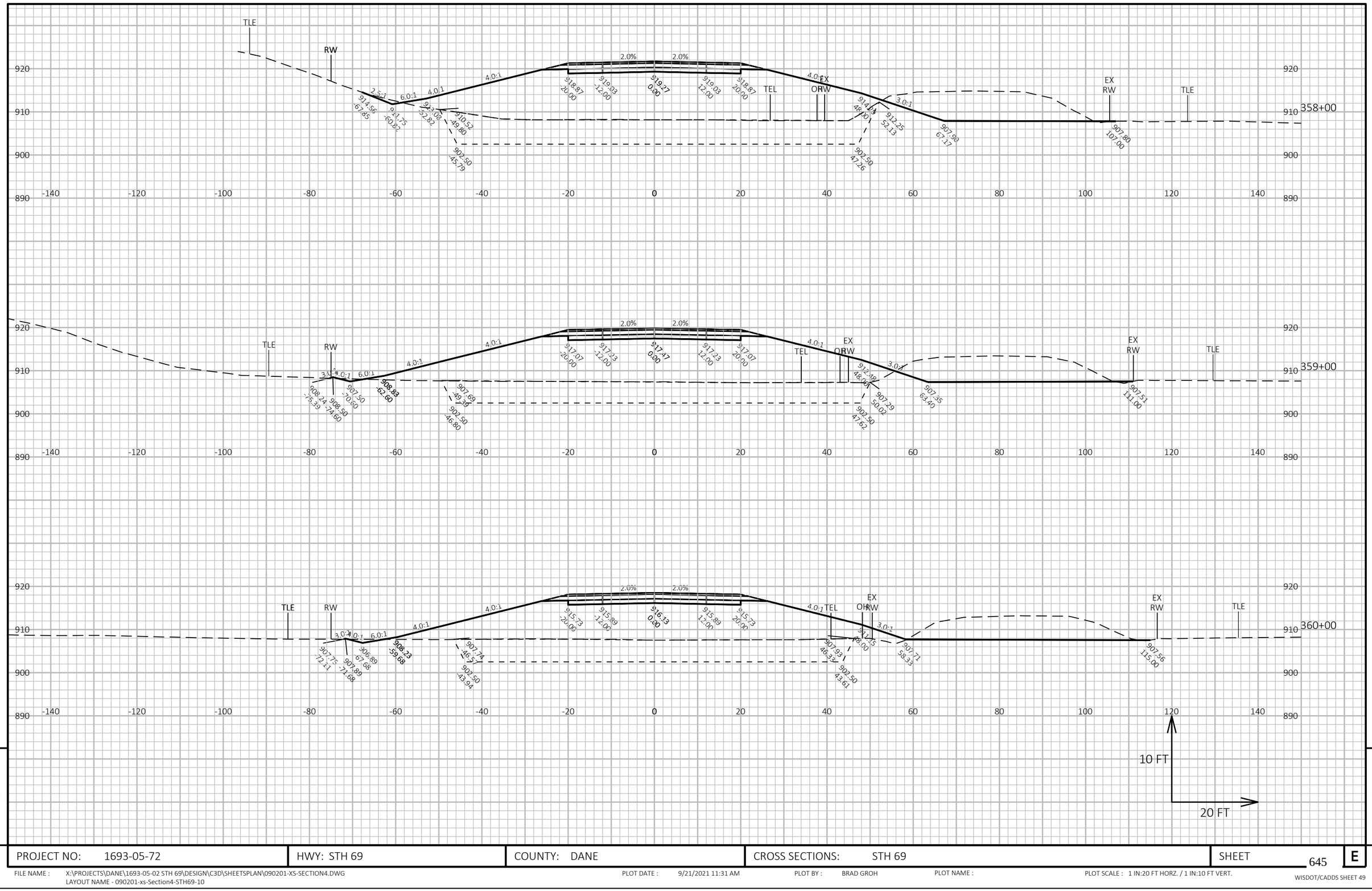
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 644	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-9

PLOT DATE : 9/21/2021 11:31 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

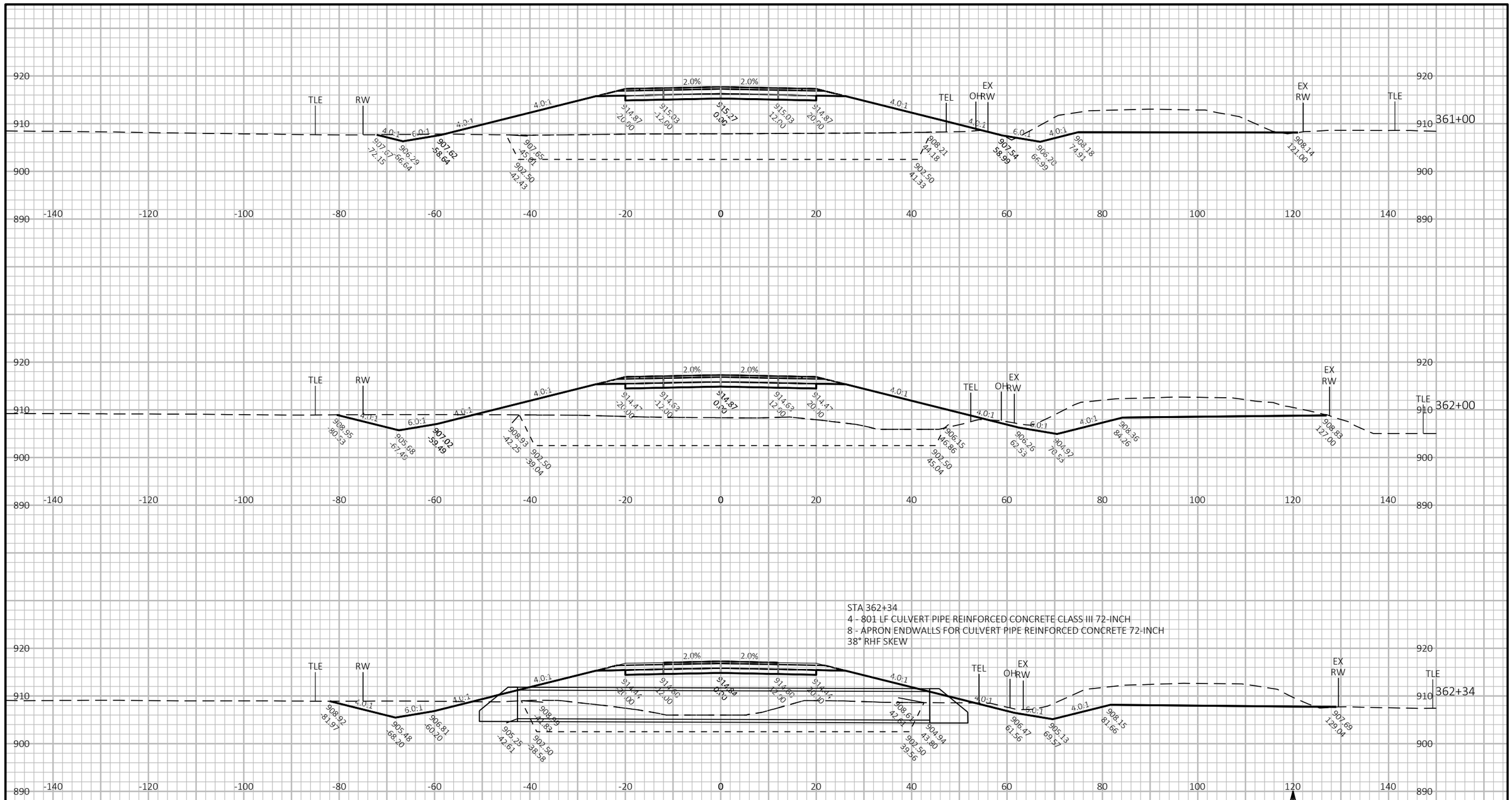
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 645	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-10

PLOT DATE : 9/21/2021 11:31 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

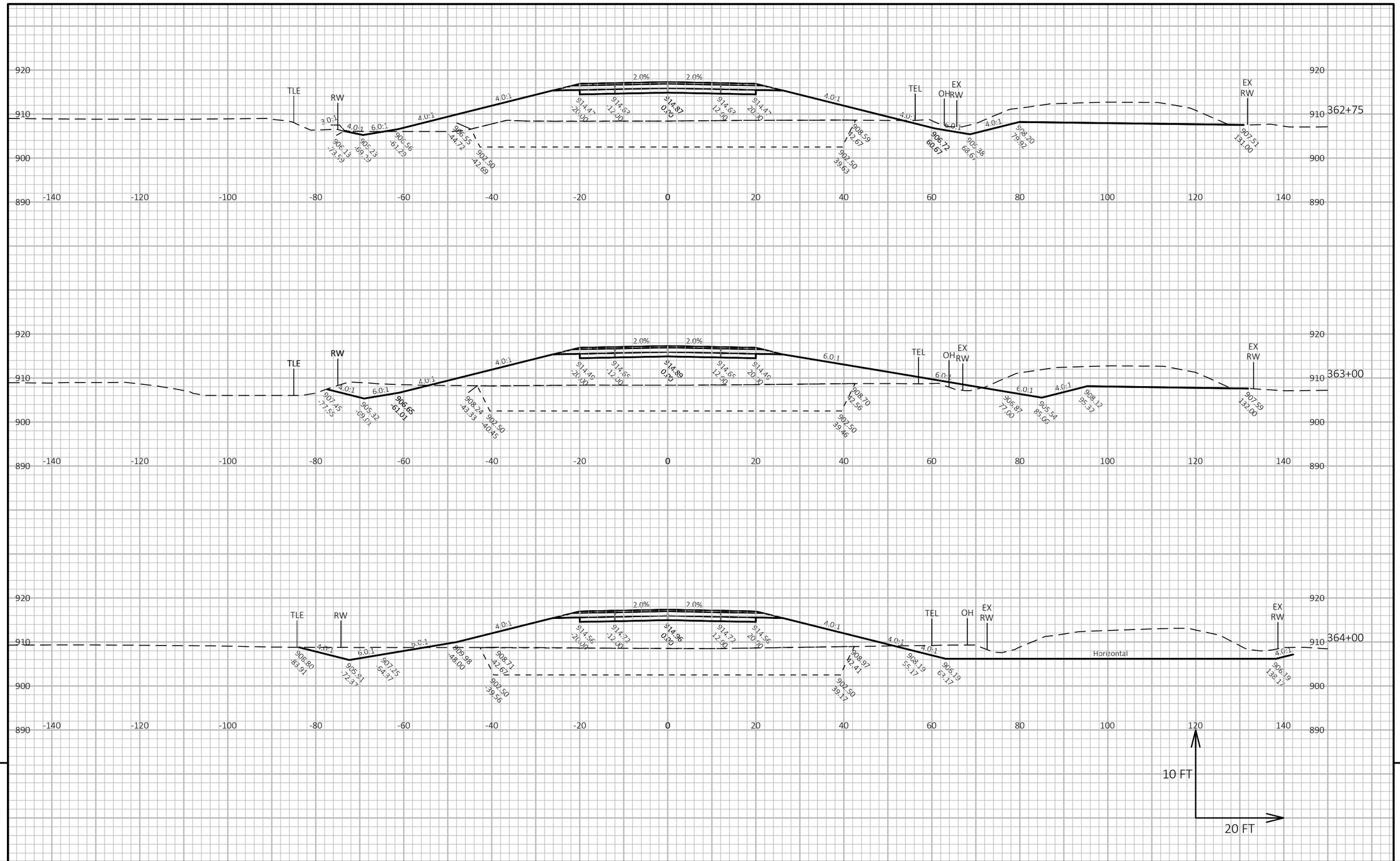


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 646 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-11

PLOT DATE : 9/21/2021 11:32 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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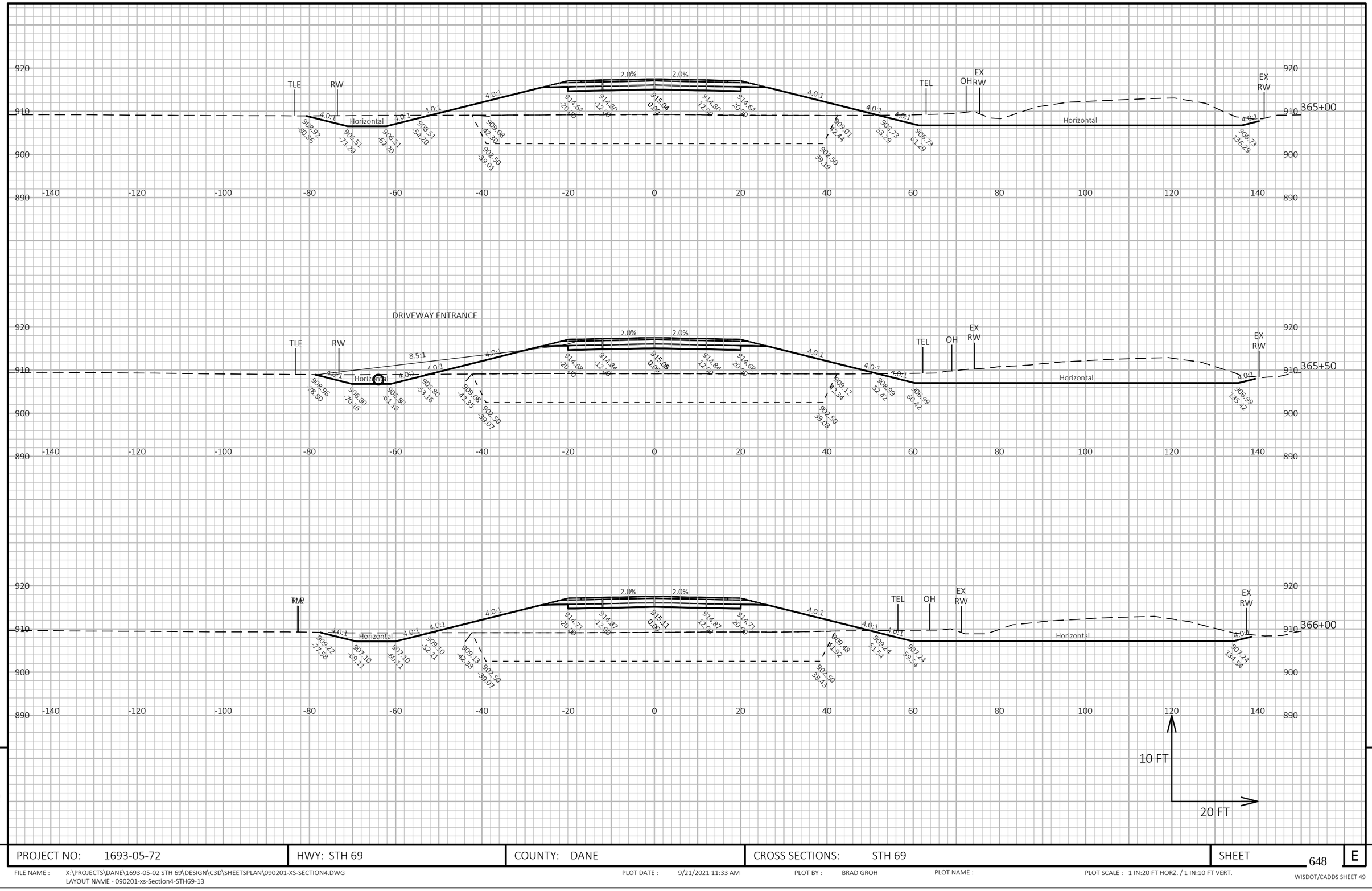
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 647	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-12

PLOT DATE : 9/21/2021 11:32 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

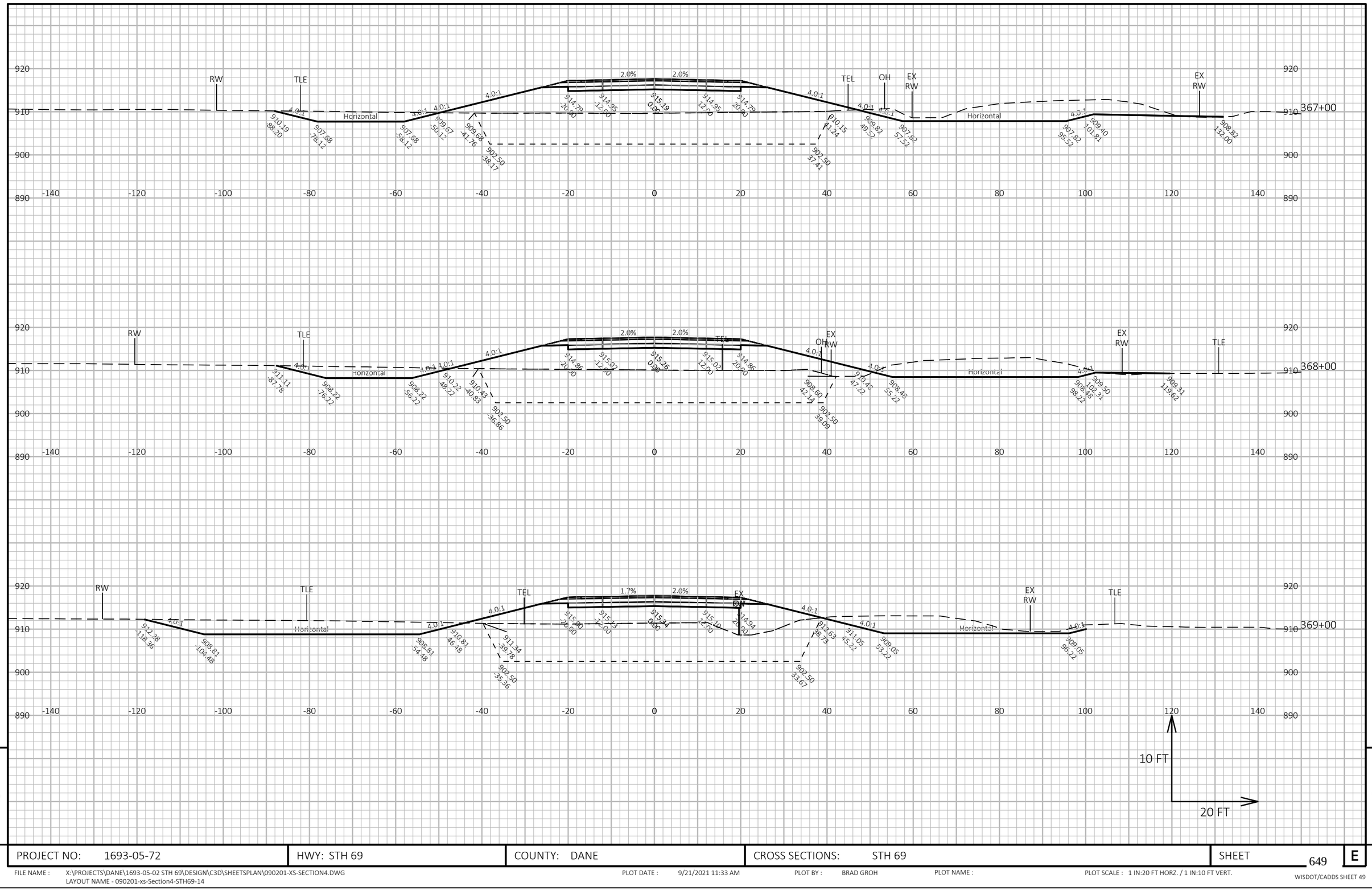


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 648	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-13

PLOT DATE : 9/21/2021 11:33 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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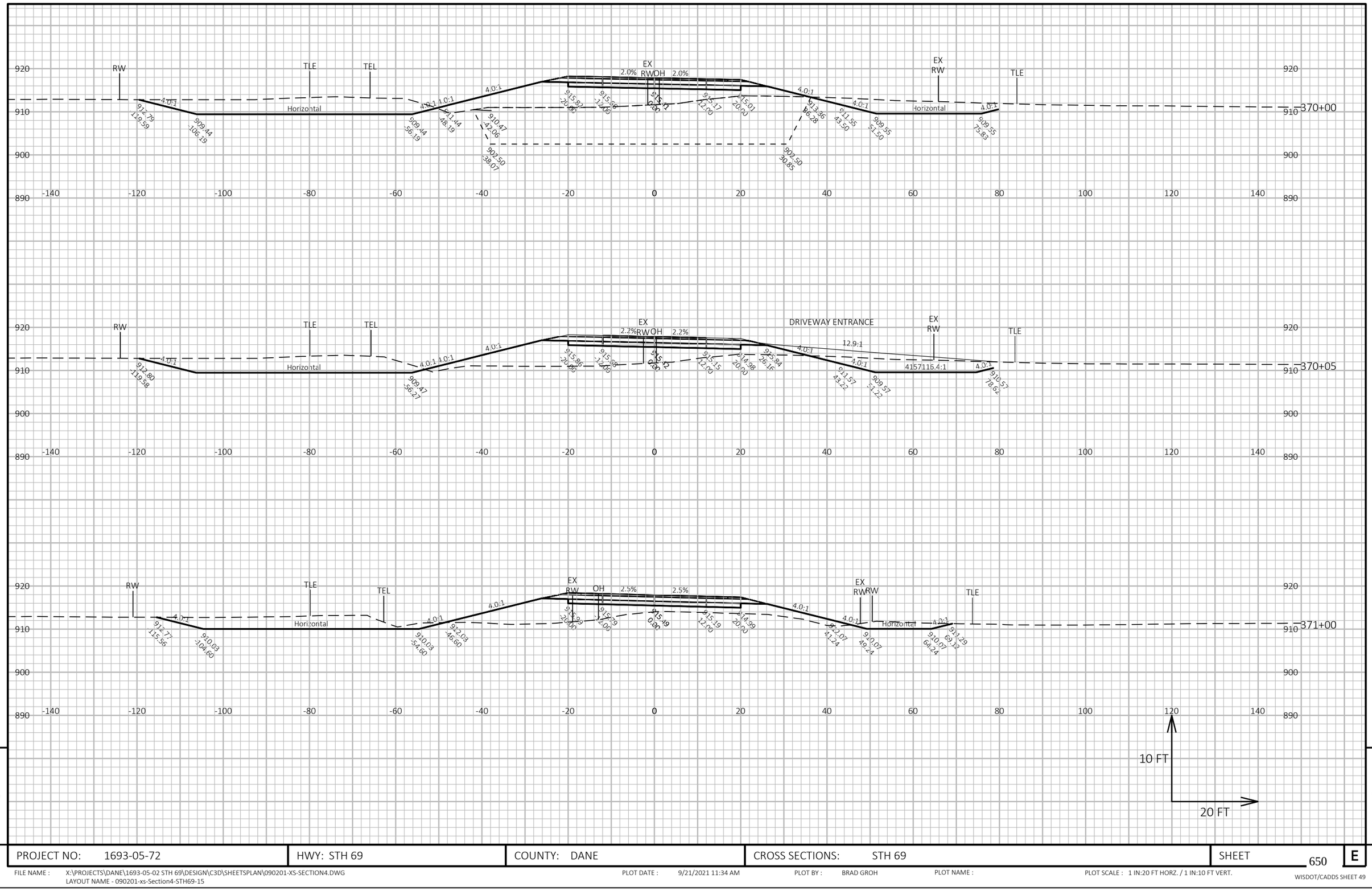
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 649	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-14

PLOT DATE : 9/21/2021 11:33 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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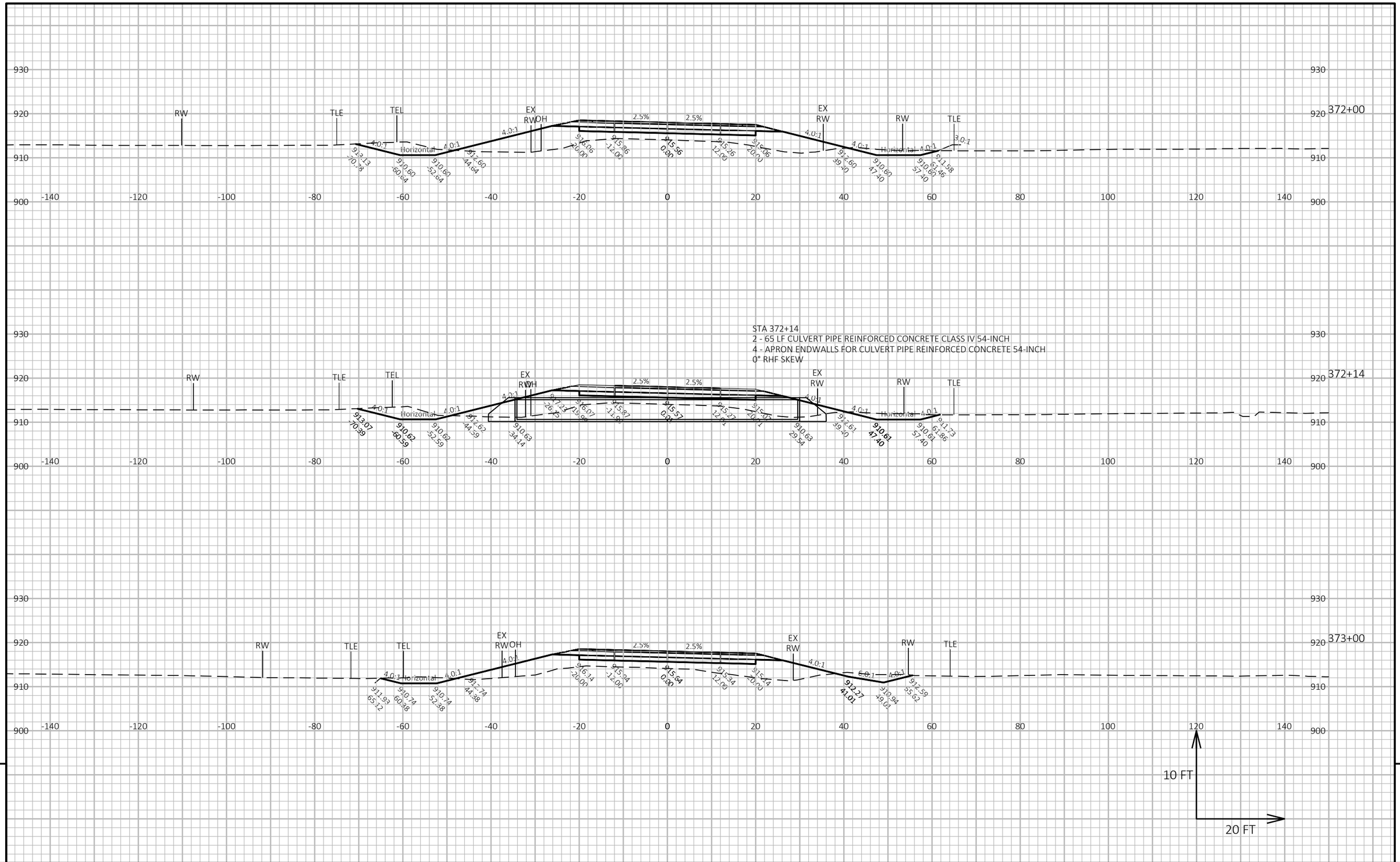
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 650	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-15

PLOT DATE : 9/21/2021 11:34 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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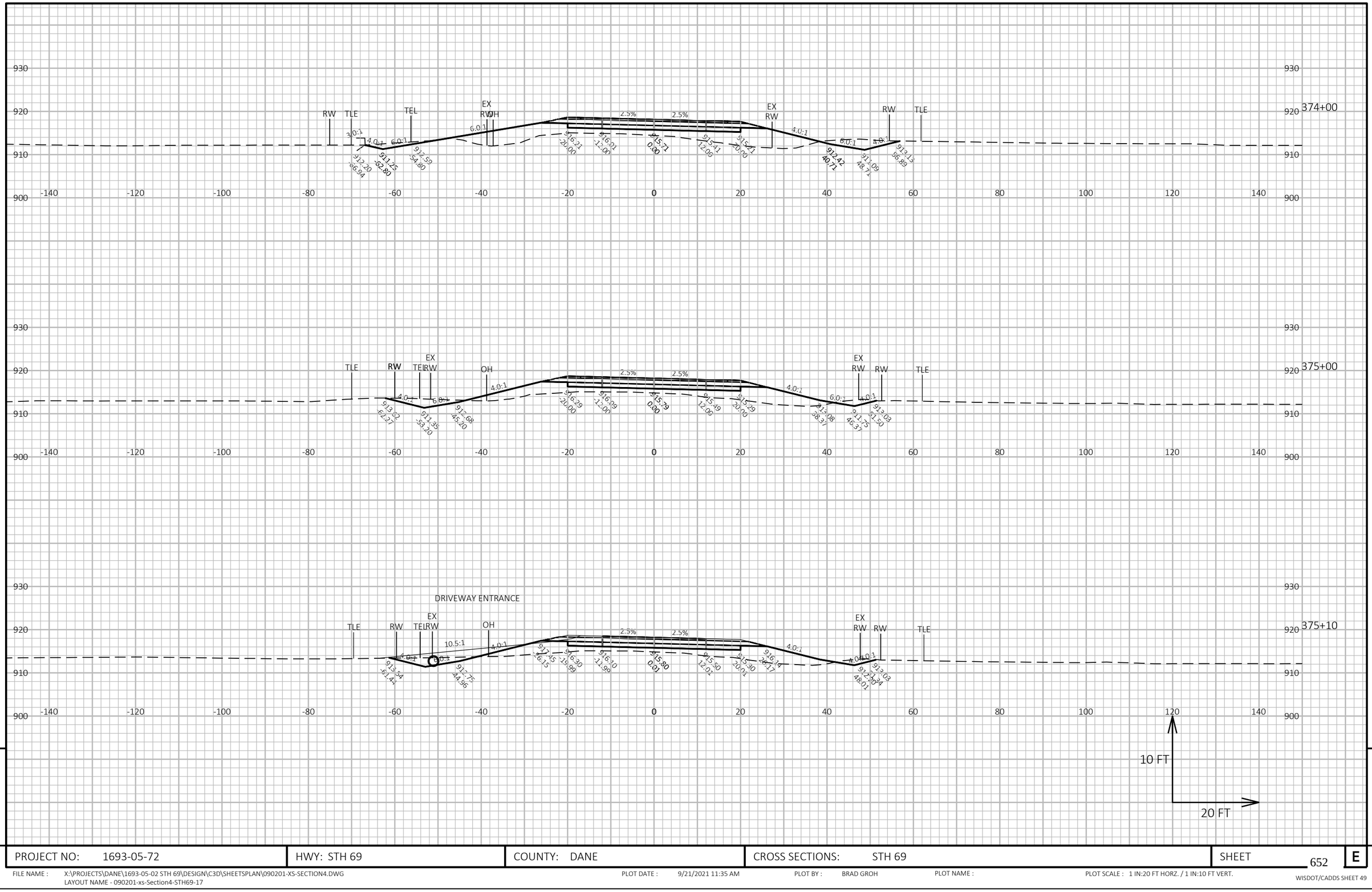
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 651	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-16

PLOT DATE : 9/21/2021 11:34 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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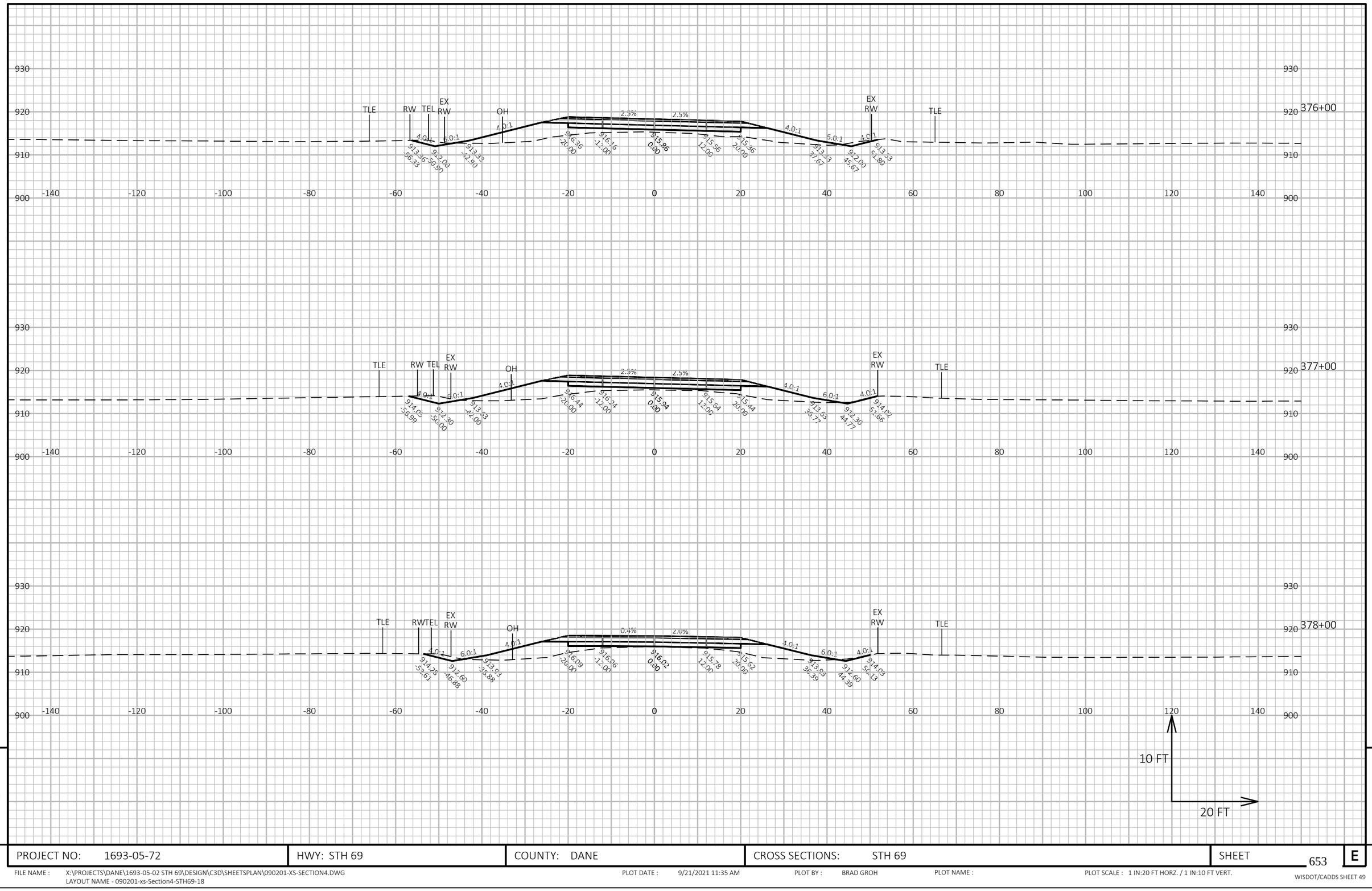
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 652	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-17

PLOT DATE : 9/21/2021 11:35 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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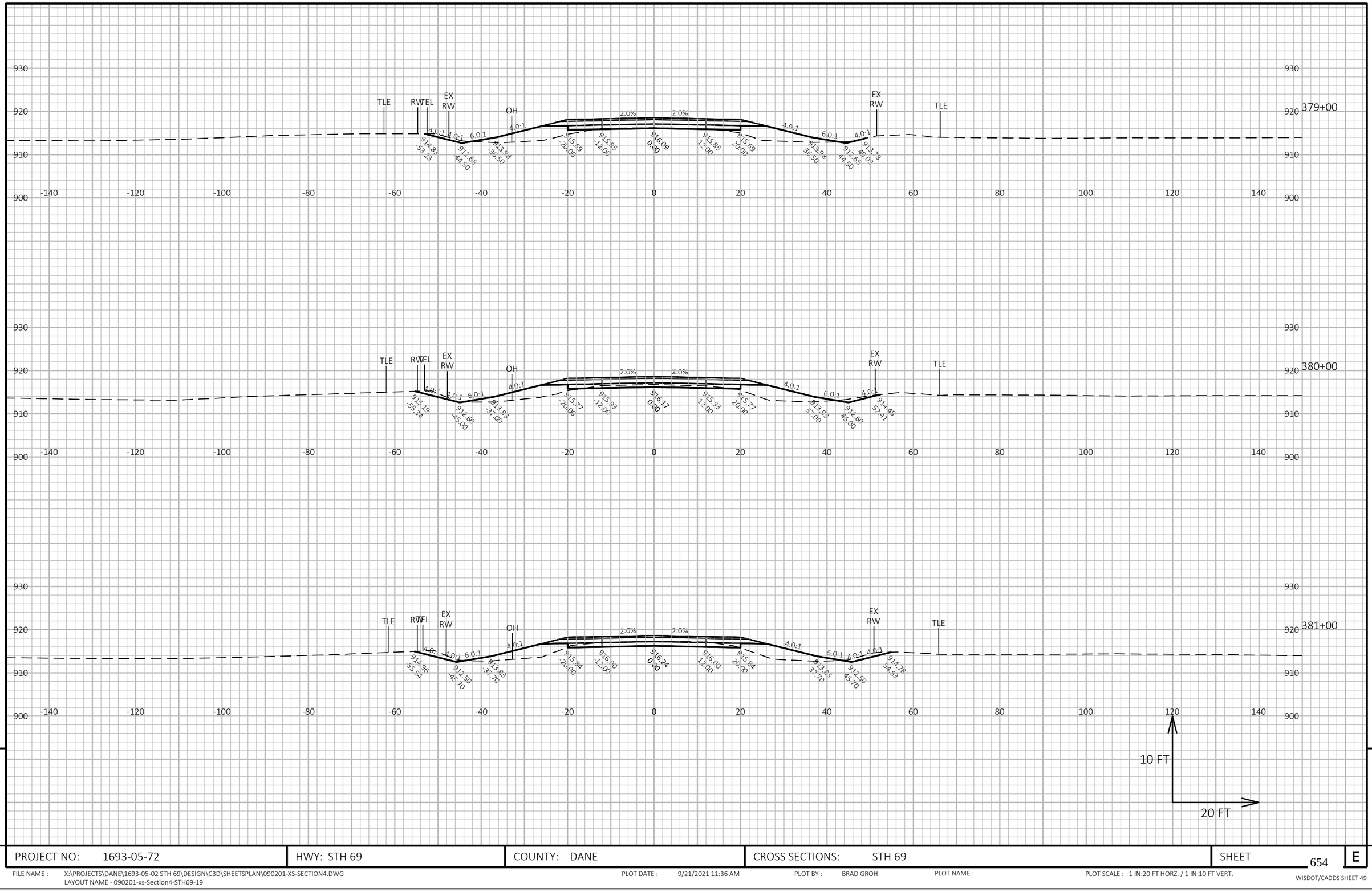
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 653	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-18

PLOT DATE : 9/21/2021 11:35 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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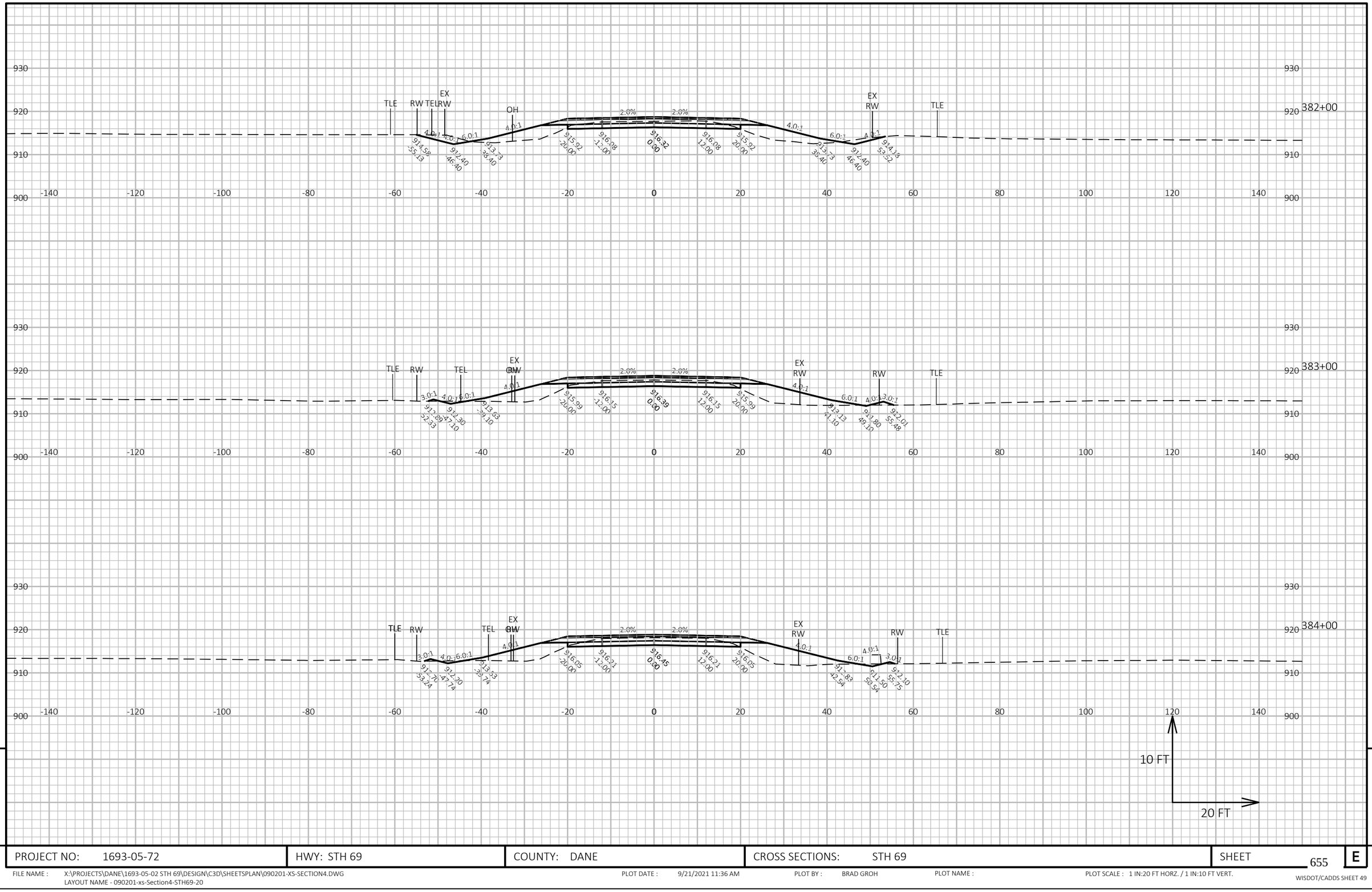
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 654	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-19

PLOT DATE : 9/21/2021 11:36 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

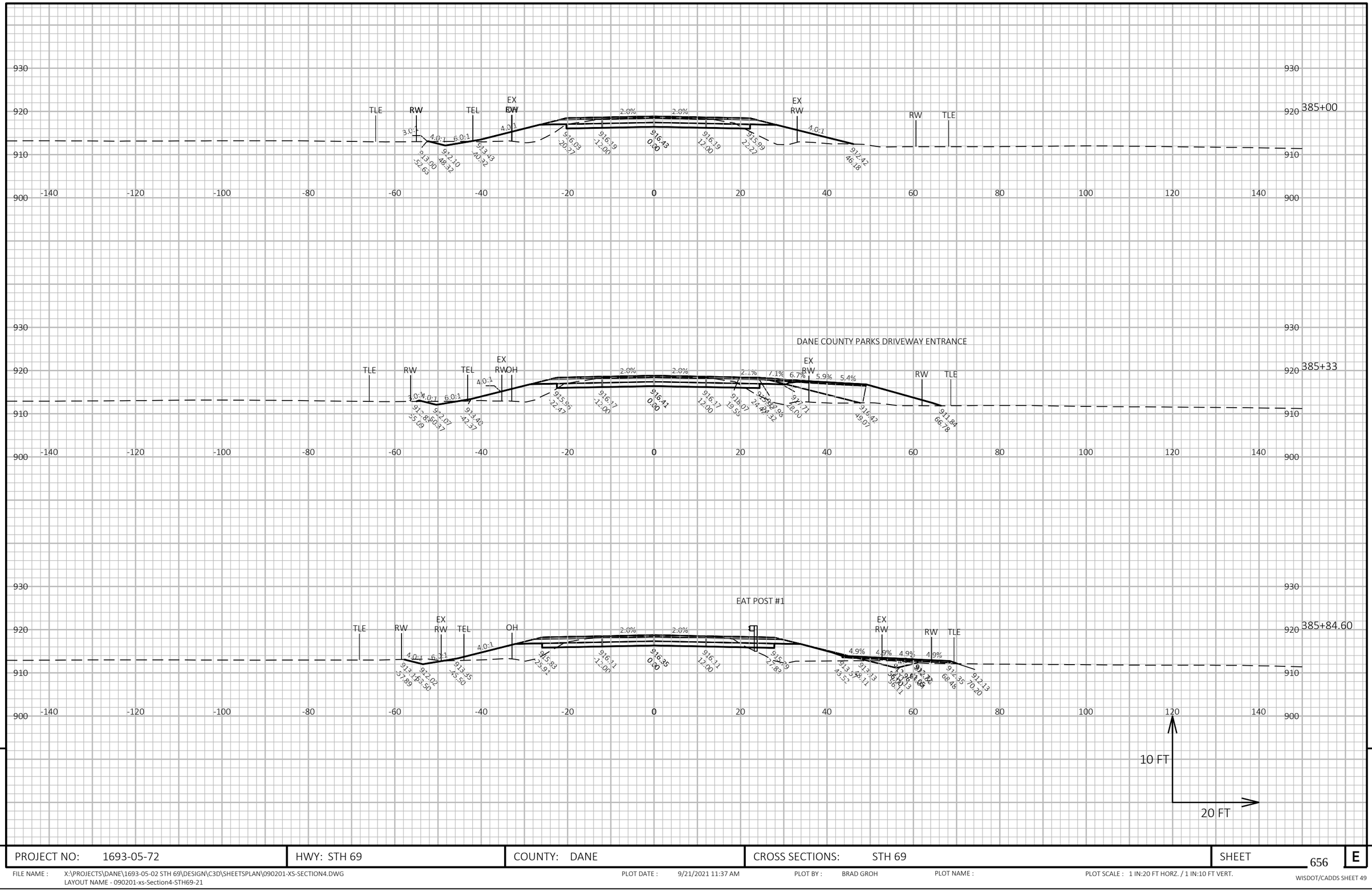


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 655	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-20

PLOT DATE : 9/21/2021 11:36 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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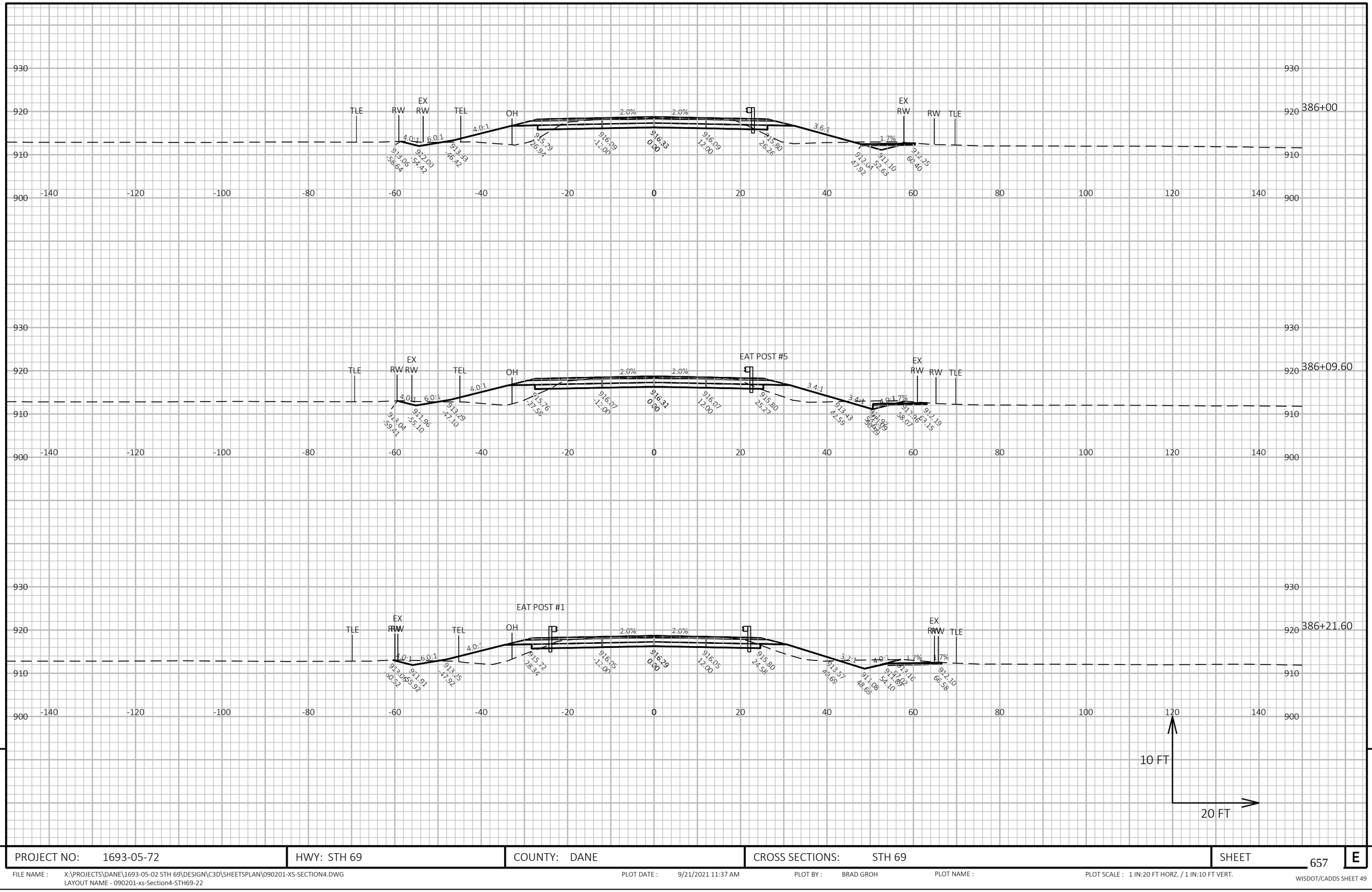
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 656	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-21

PLOT DATE : 9/21/2021 11:37 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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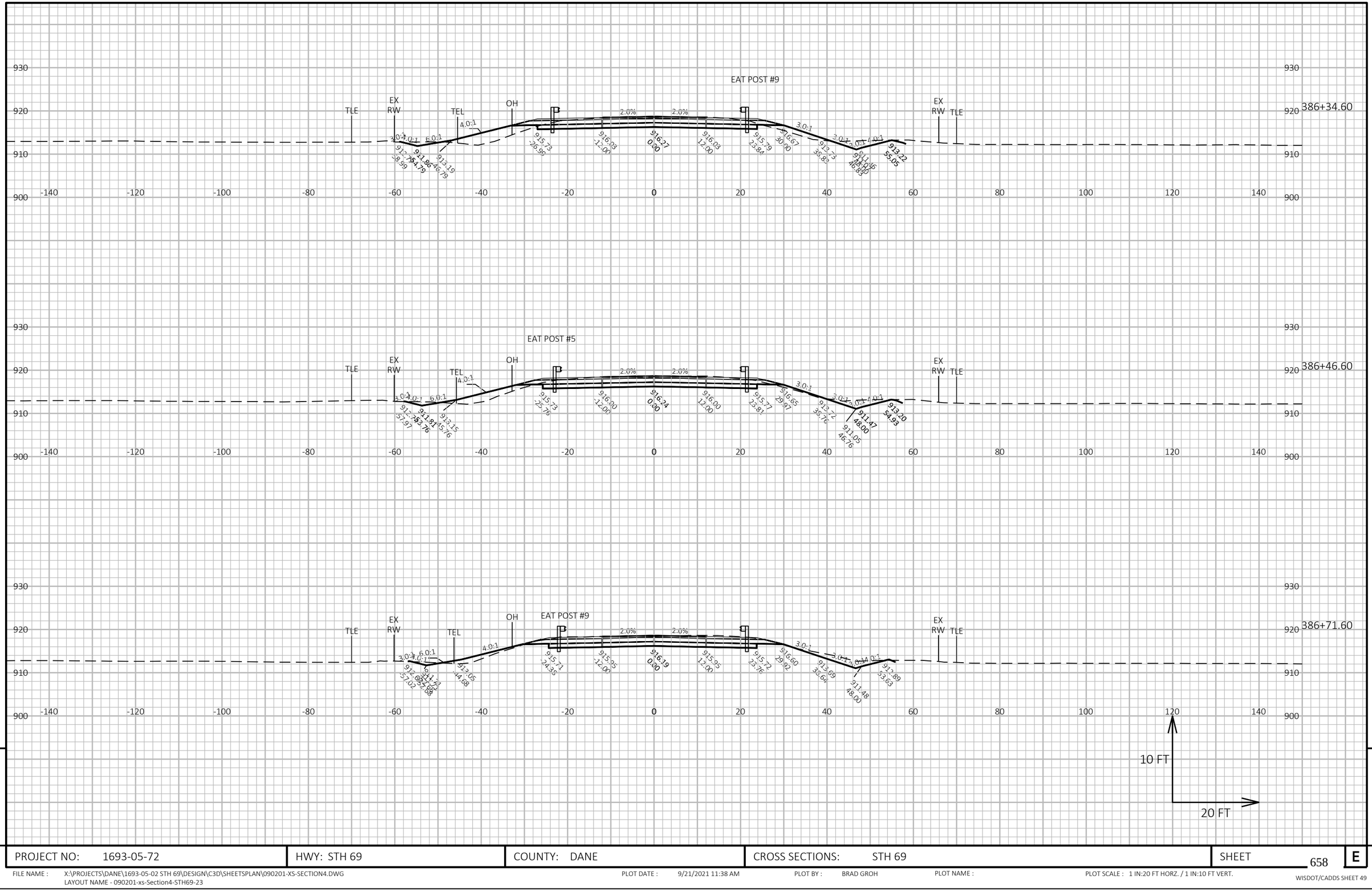
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 657	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-22

PLOT DATE : 9/21/2021 11:37 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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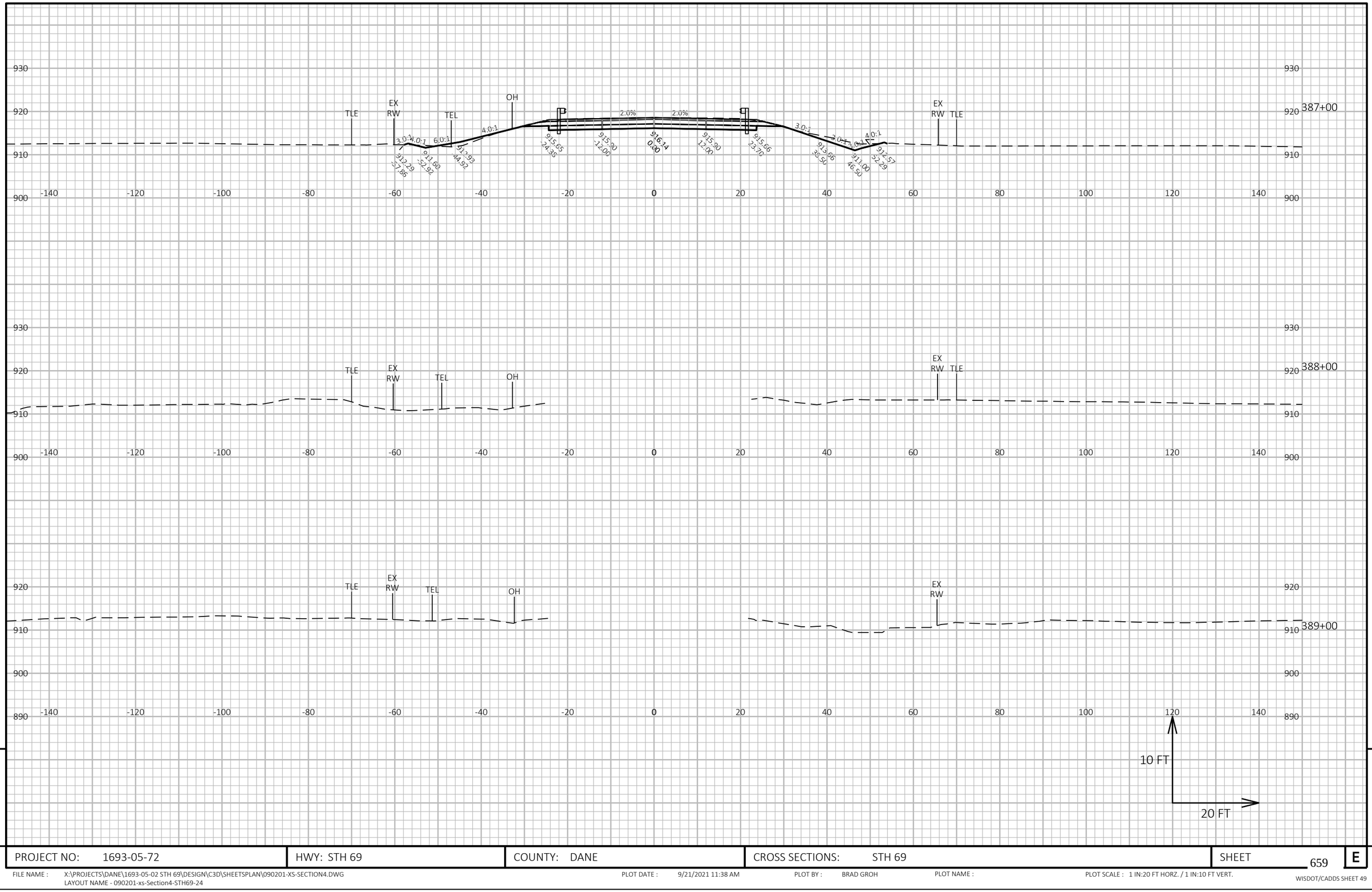
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 658	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-23

PLOT DATE : 9/21/2021 11:38 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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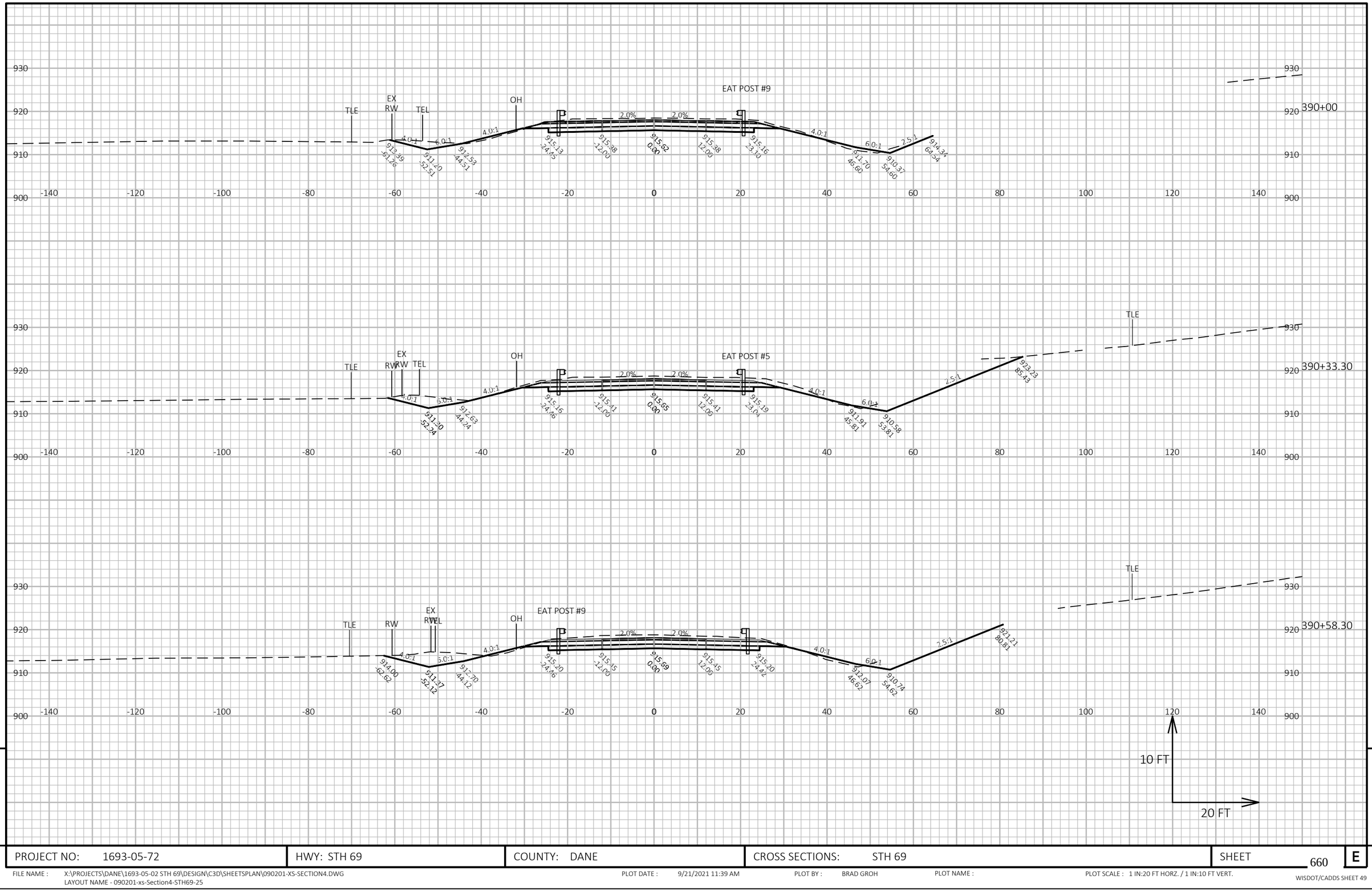
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 659	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-24

PLOT DATE : 9/21/2021 11:38 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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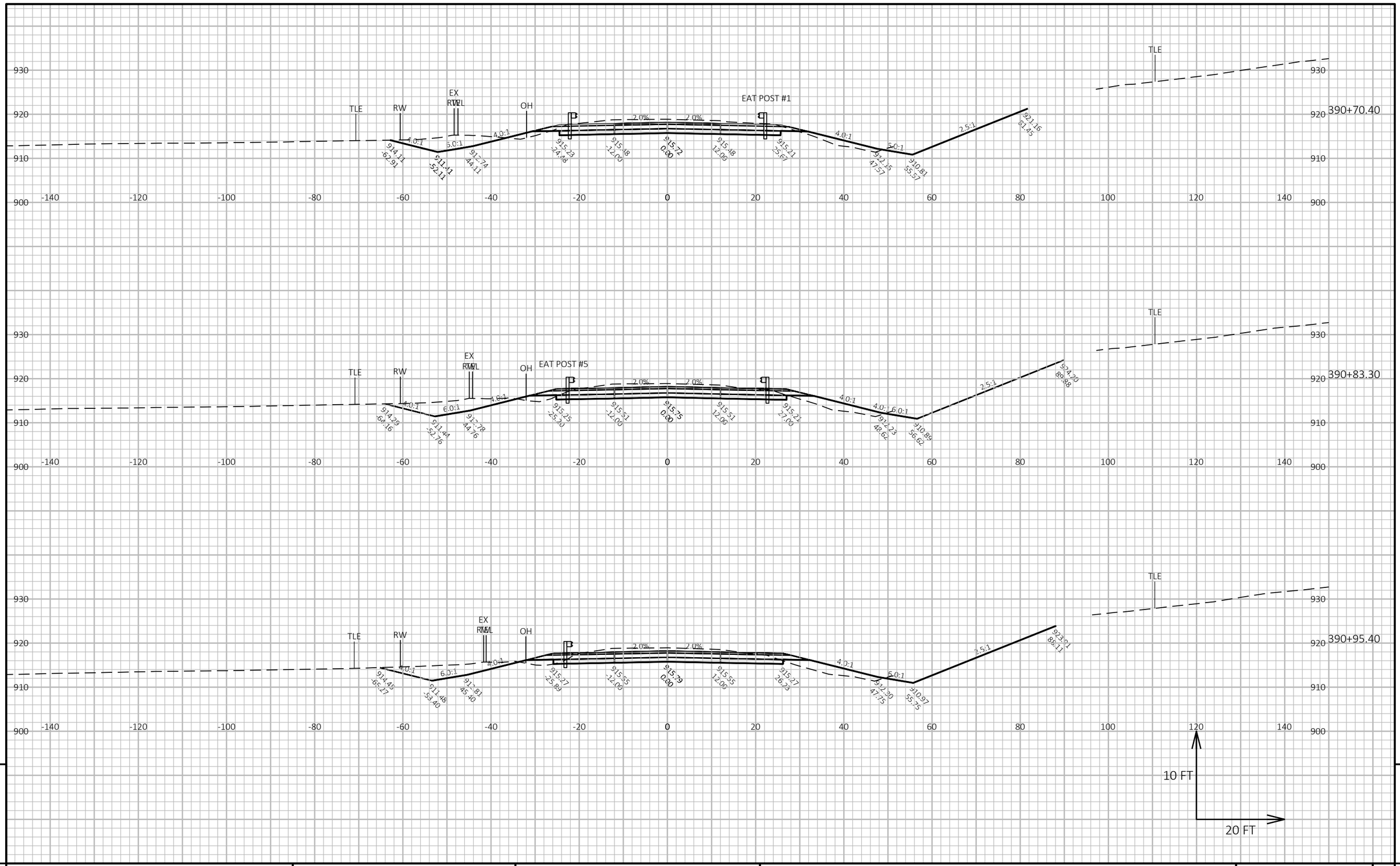
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 660	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-25

PLOT DATE : 9/21/2021 11:39 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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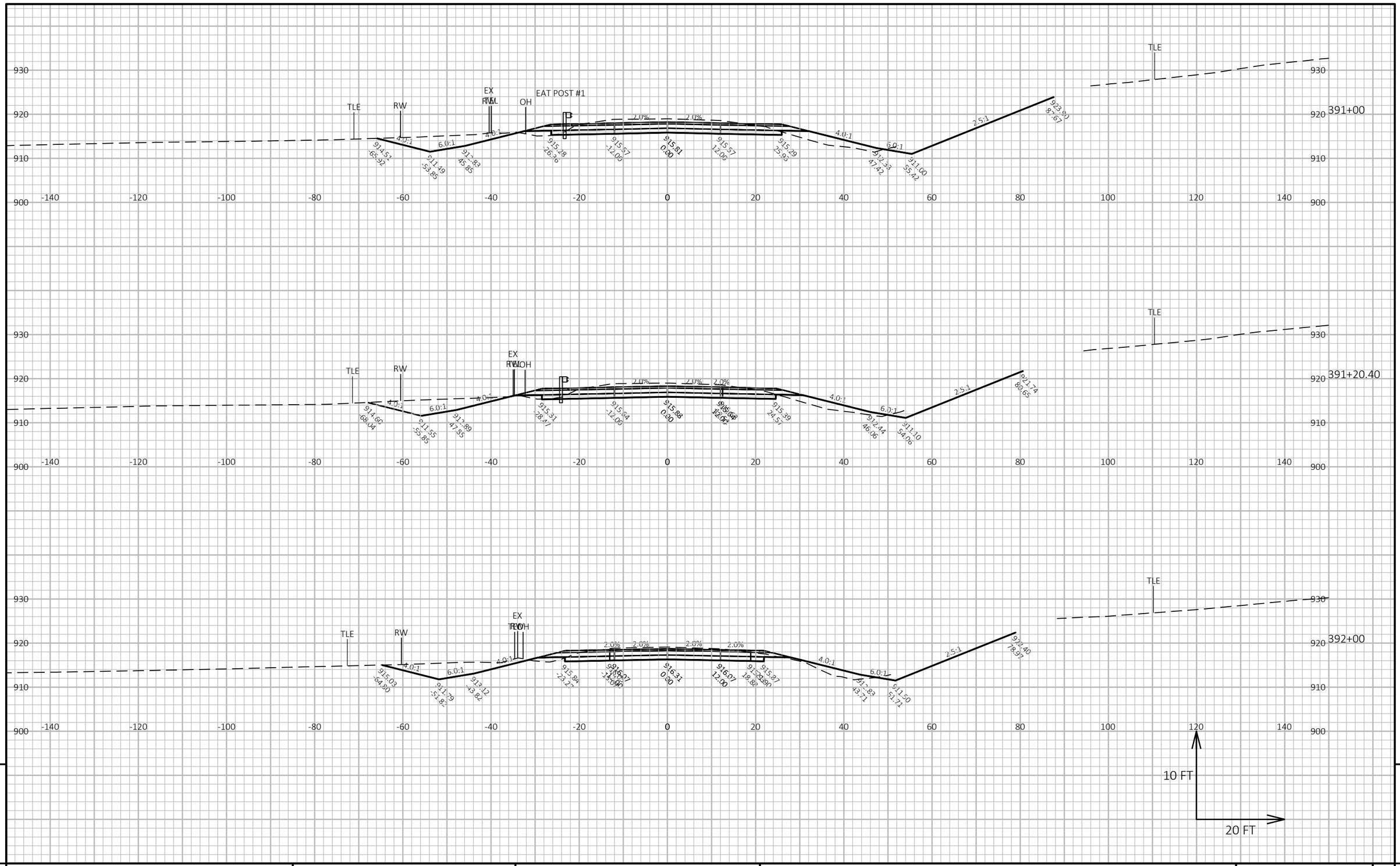
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 661	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-26

PLOT DATE : 9/21/2021 11:39 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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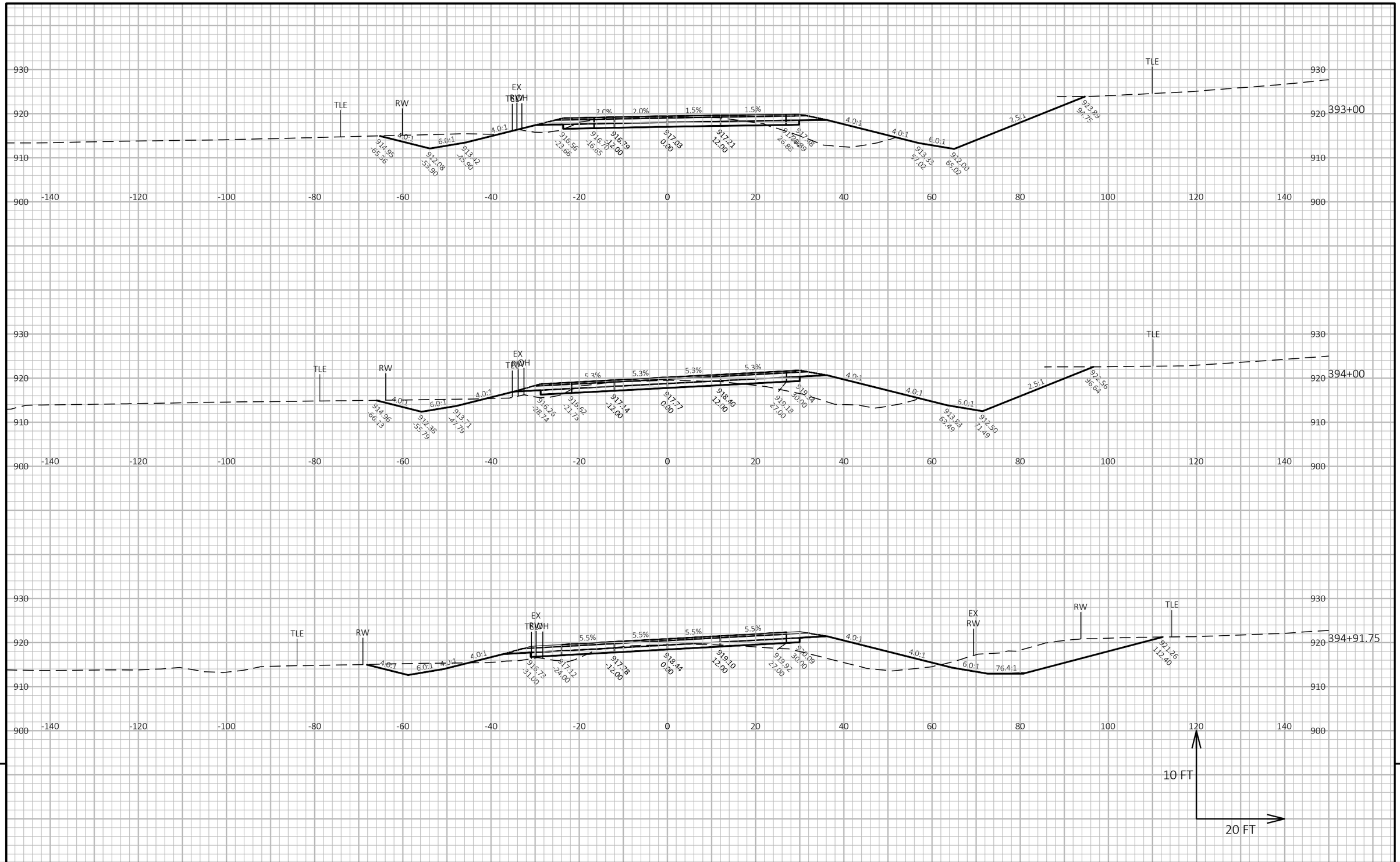
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 662	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-27

PLOT DATE : 9/21/2021 11:40 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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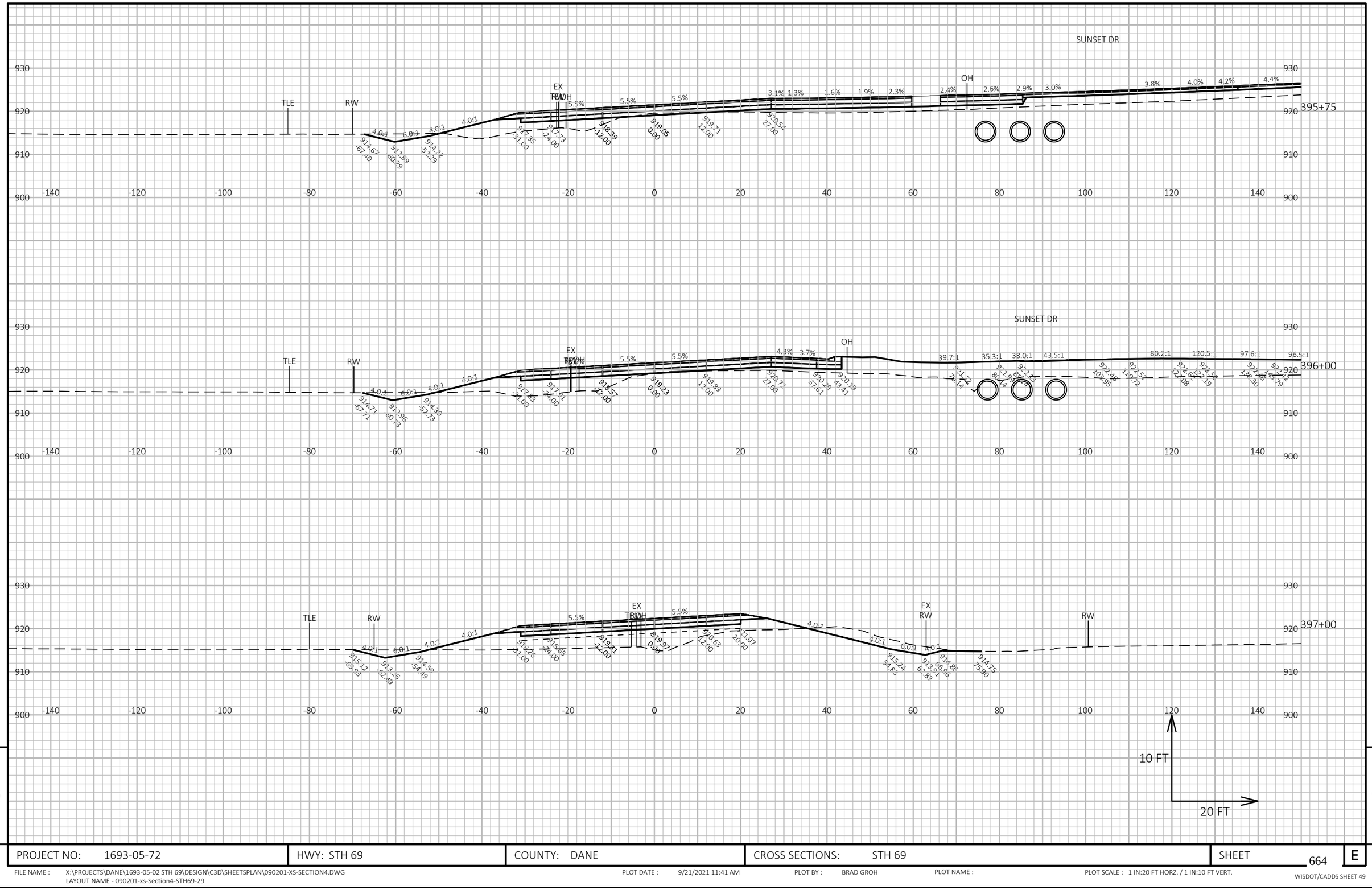
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 663	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-28

PLOT DATE : 9/21/2021 11:40 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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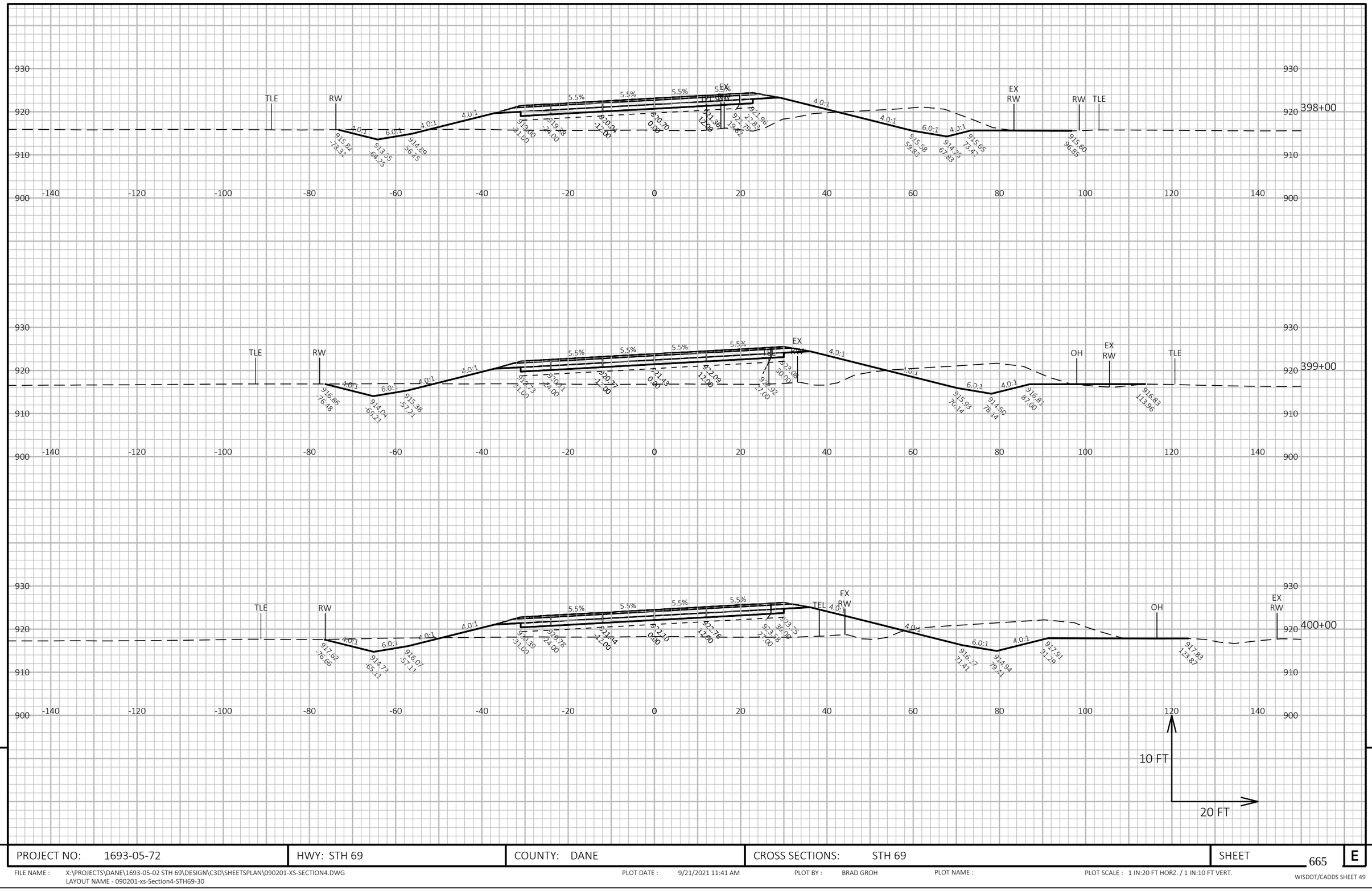
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 664	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-29

PLOT DATE : 9/21/2021 11:41 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

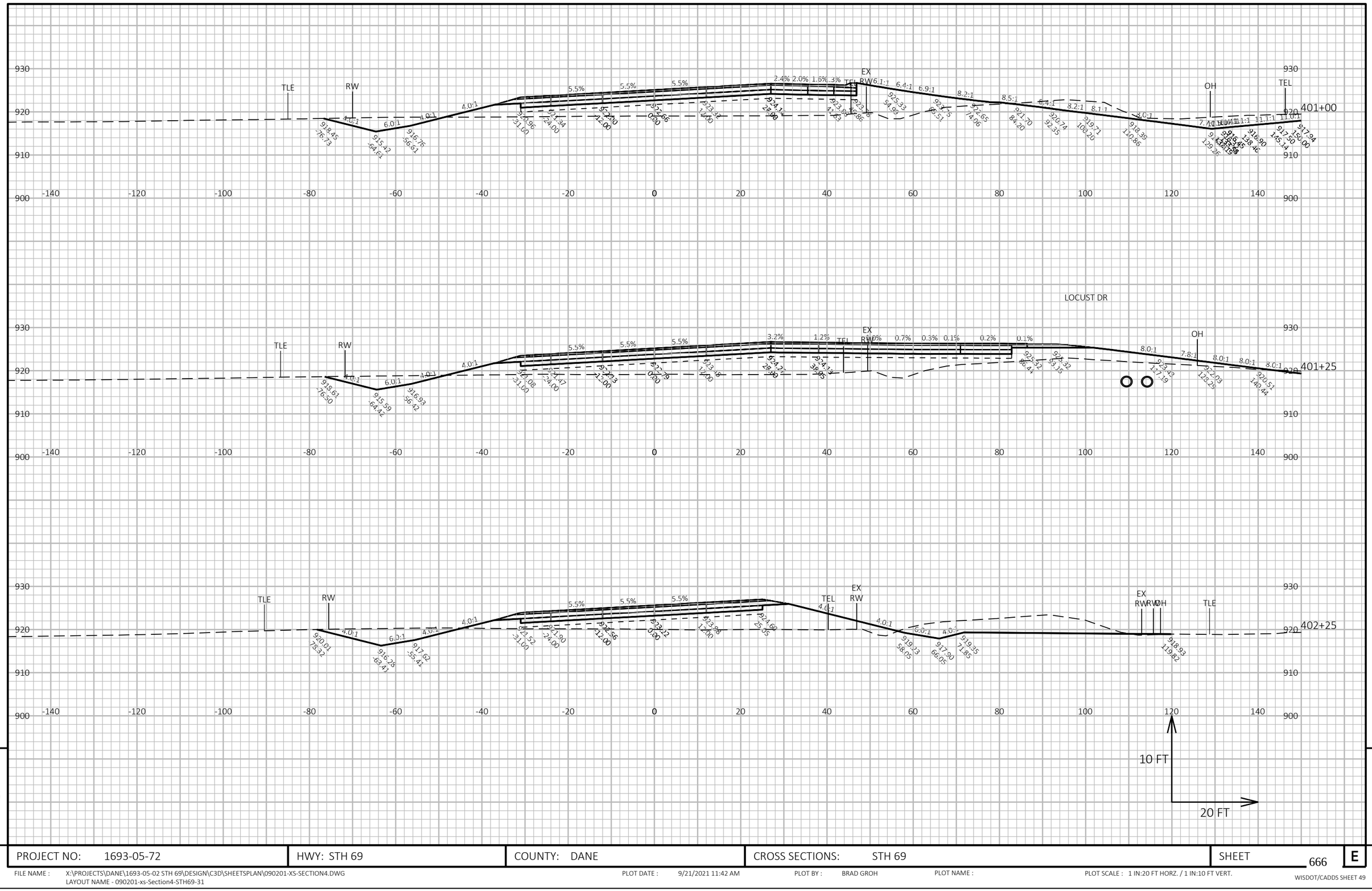


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 665 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-30

PLOT DATE : 9/21/2021 11:41 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

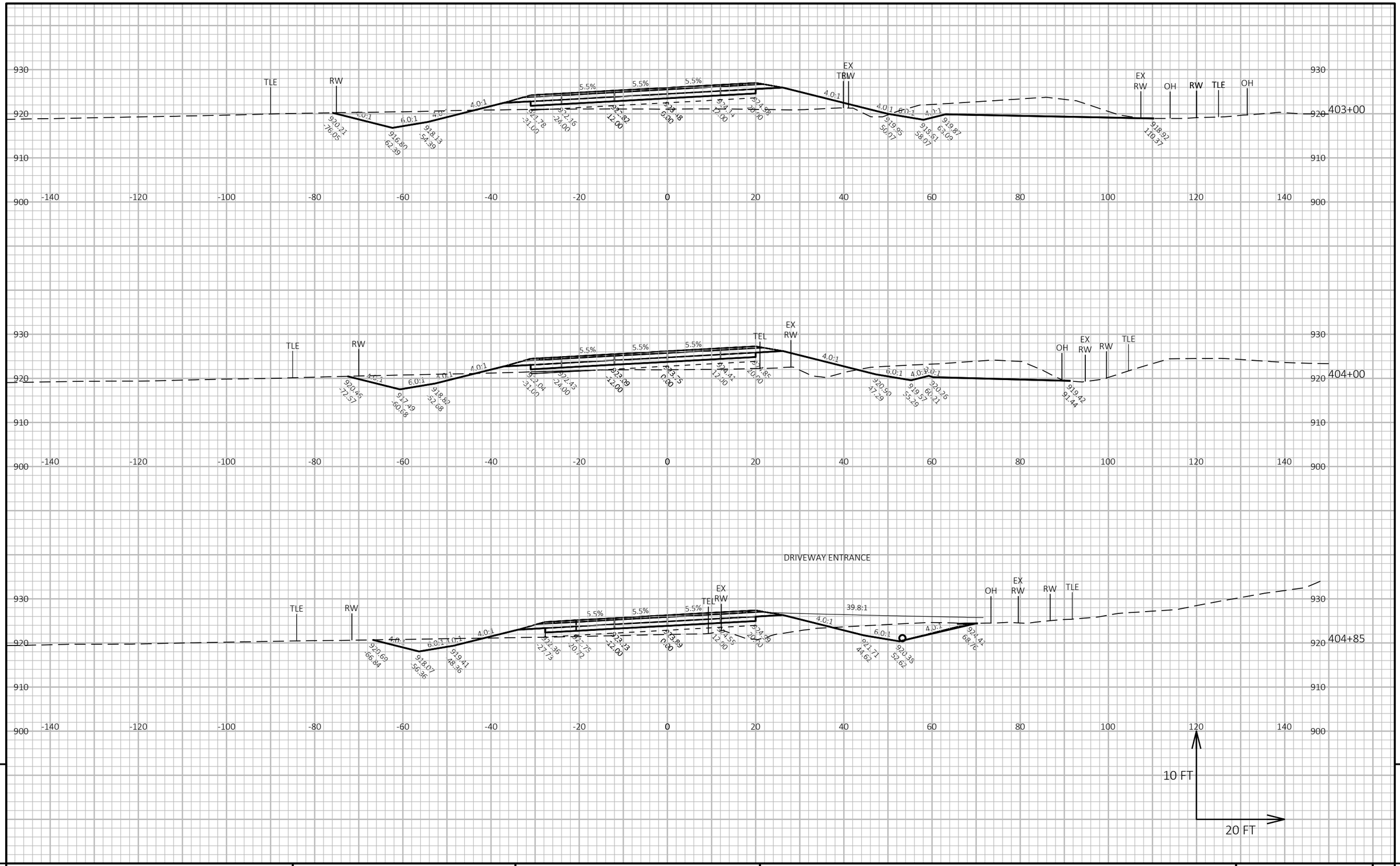


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 666	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-31

PLOT DATE : 9/21/2021 11:42 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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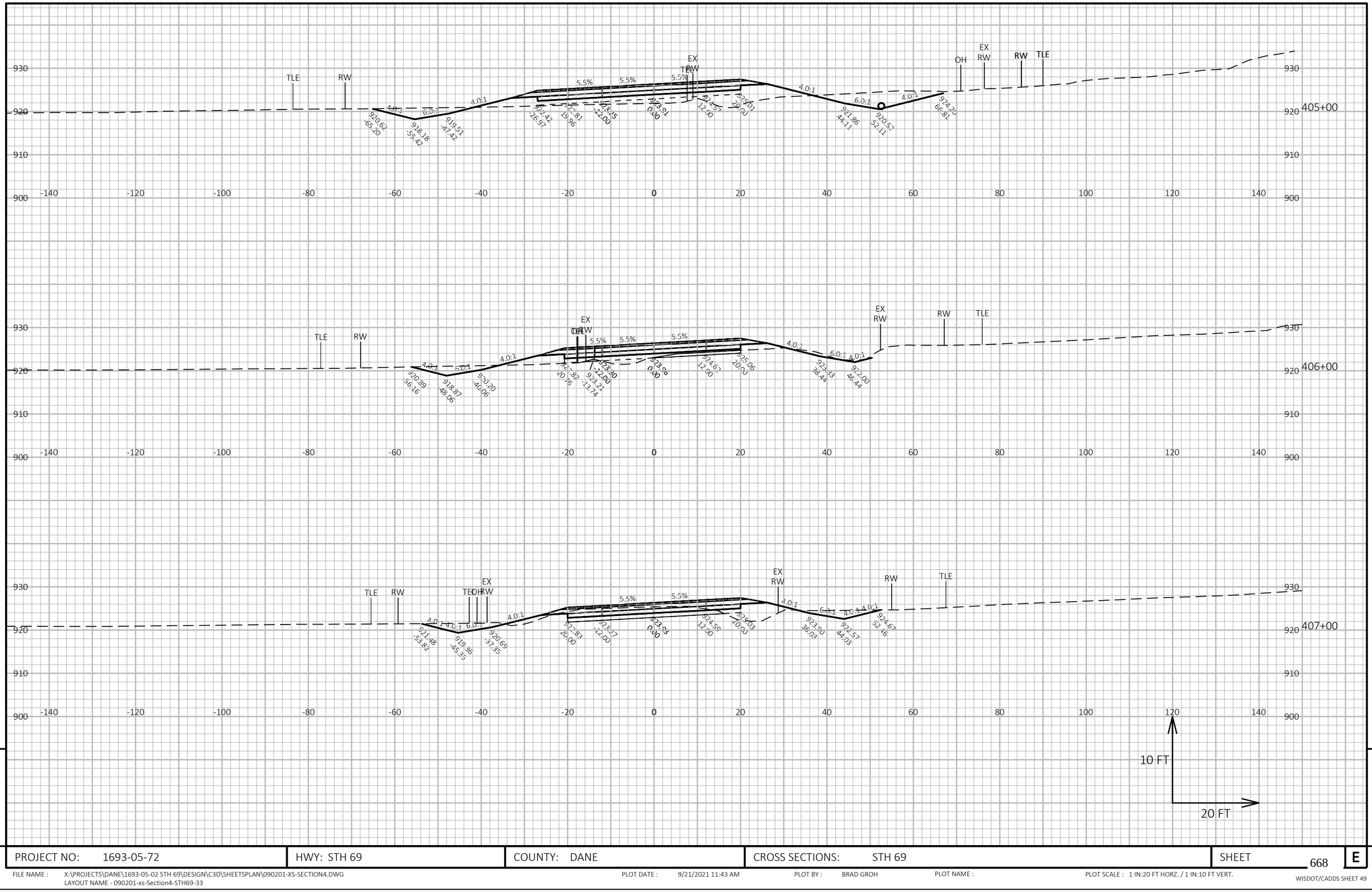
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 667	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-32

PLOT DATE : 9/21/2021 11:42 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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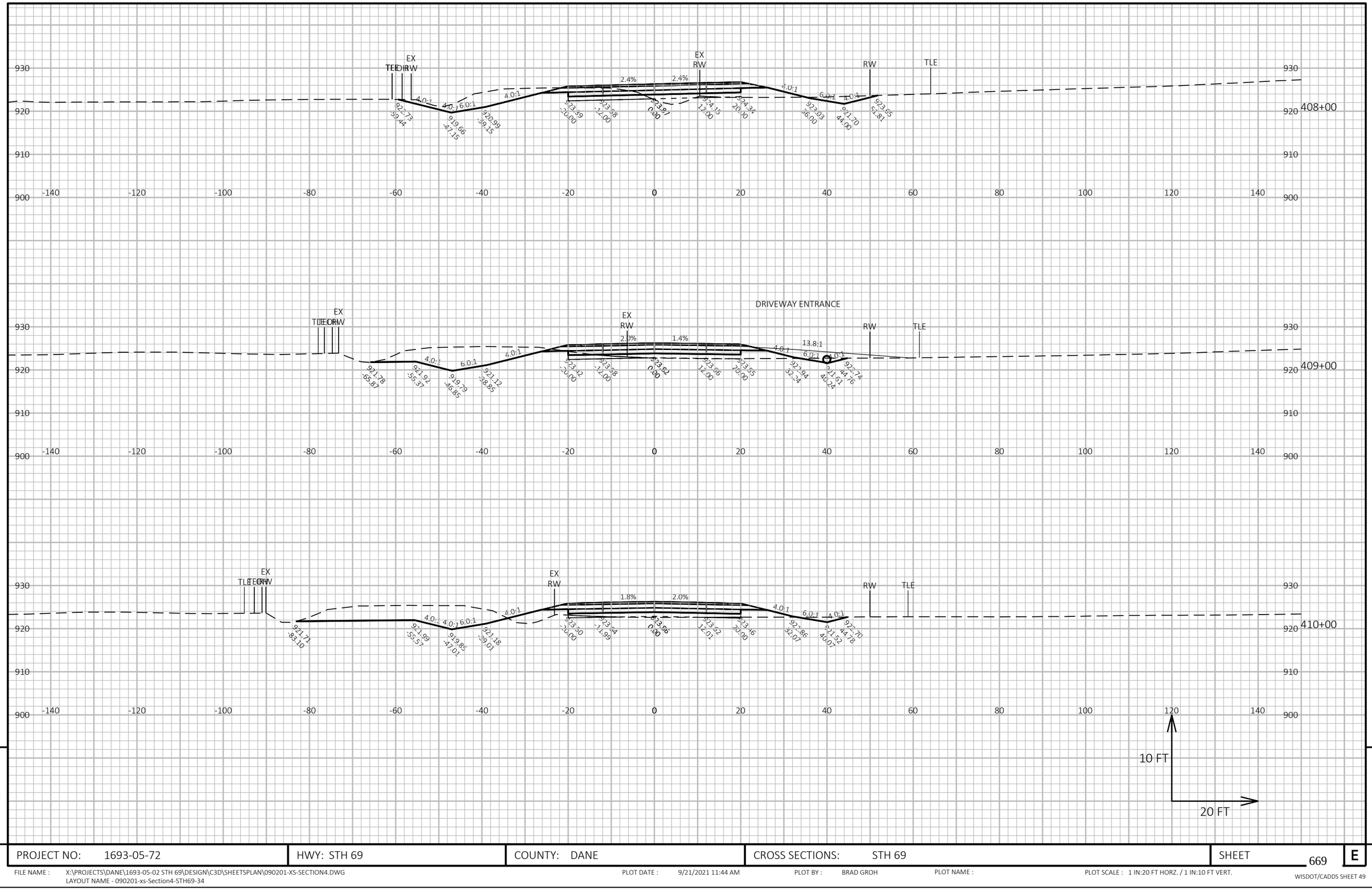
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 668	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-33

PLOT DATE : 9/21/2021 11:43 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

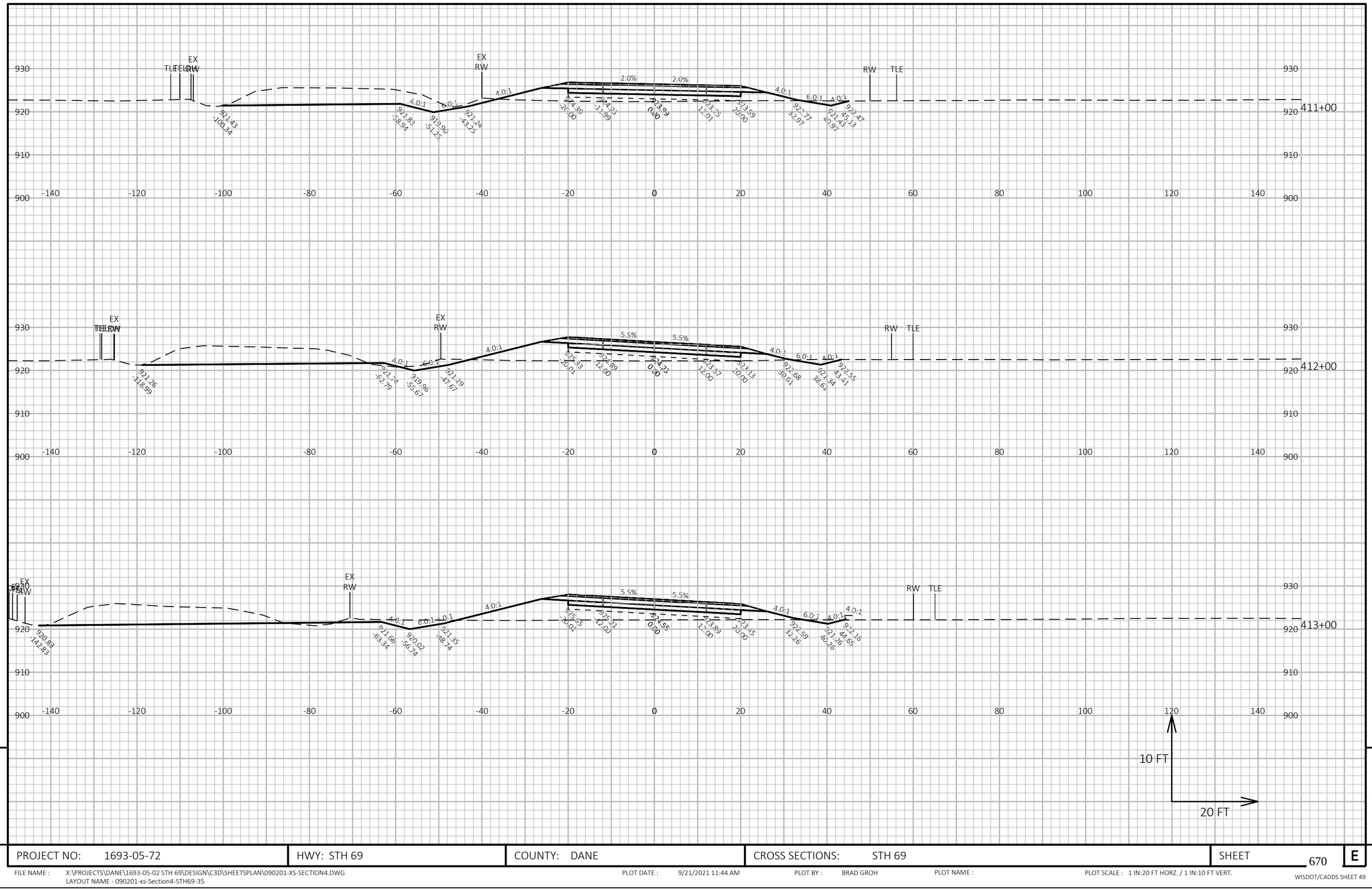


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 669	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-34

PLOT DATE : 9/21/2021 11:44 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

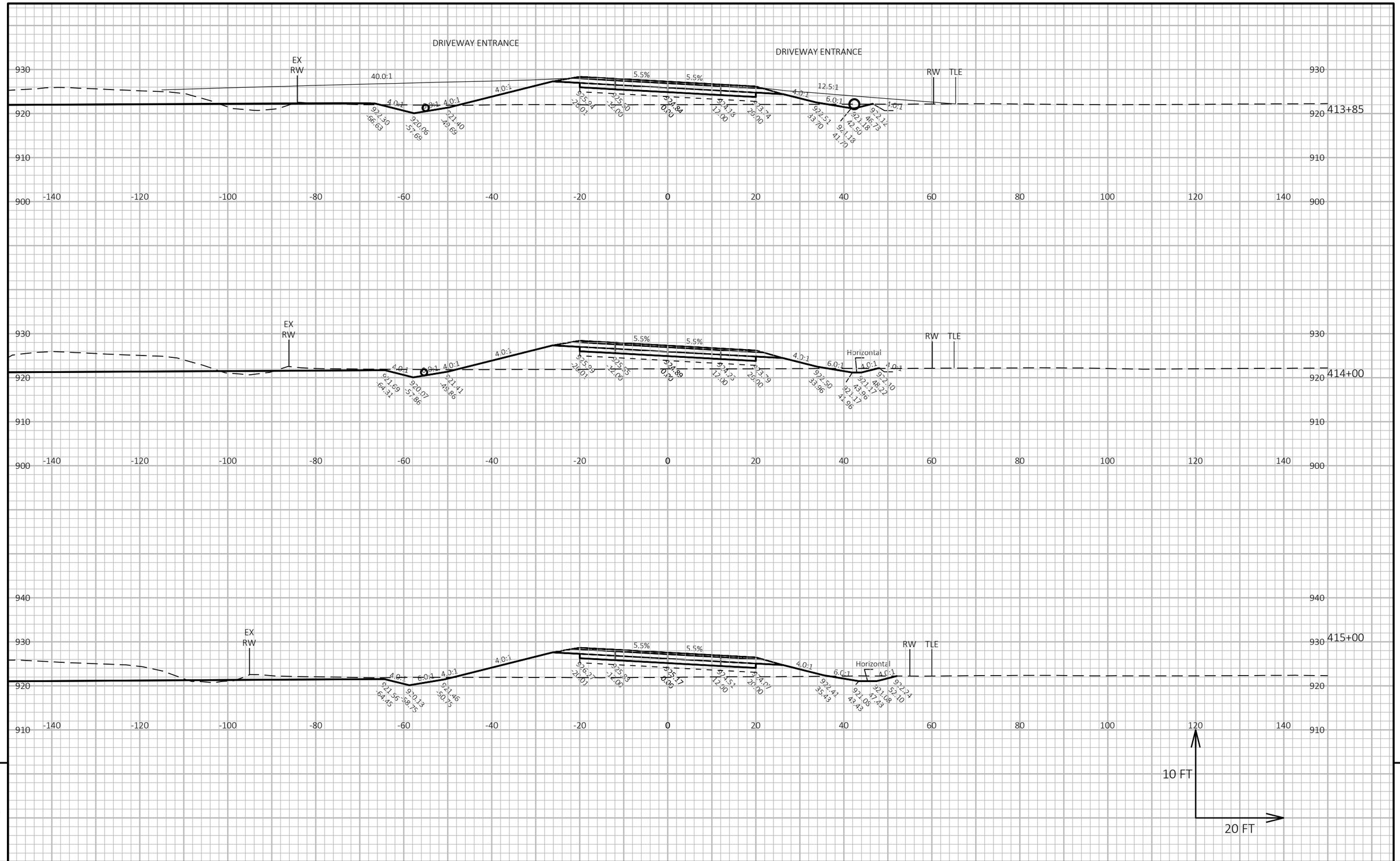


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 670	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-35

PLOT DATE : 9/21/2021 11:44 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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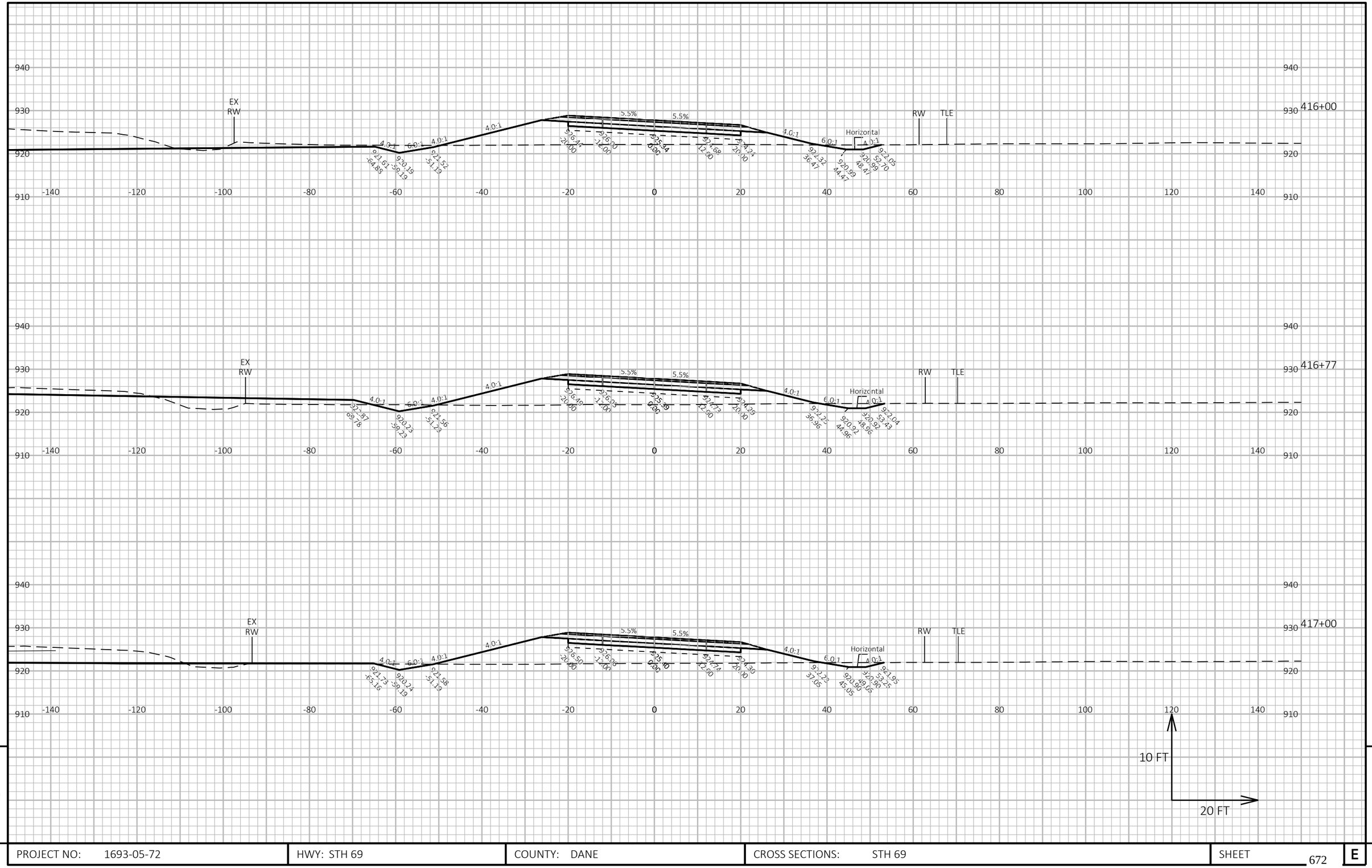
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 671	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-36

PLOT DATE : 9/21/2021 11:45 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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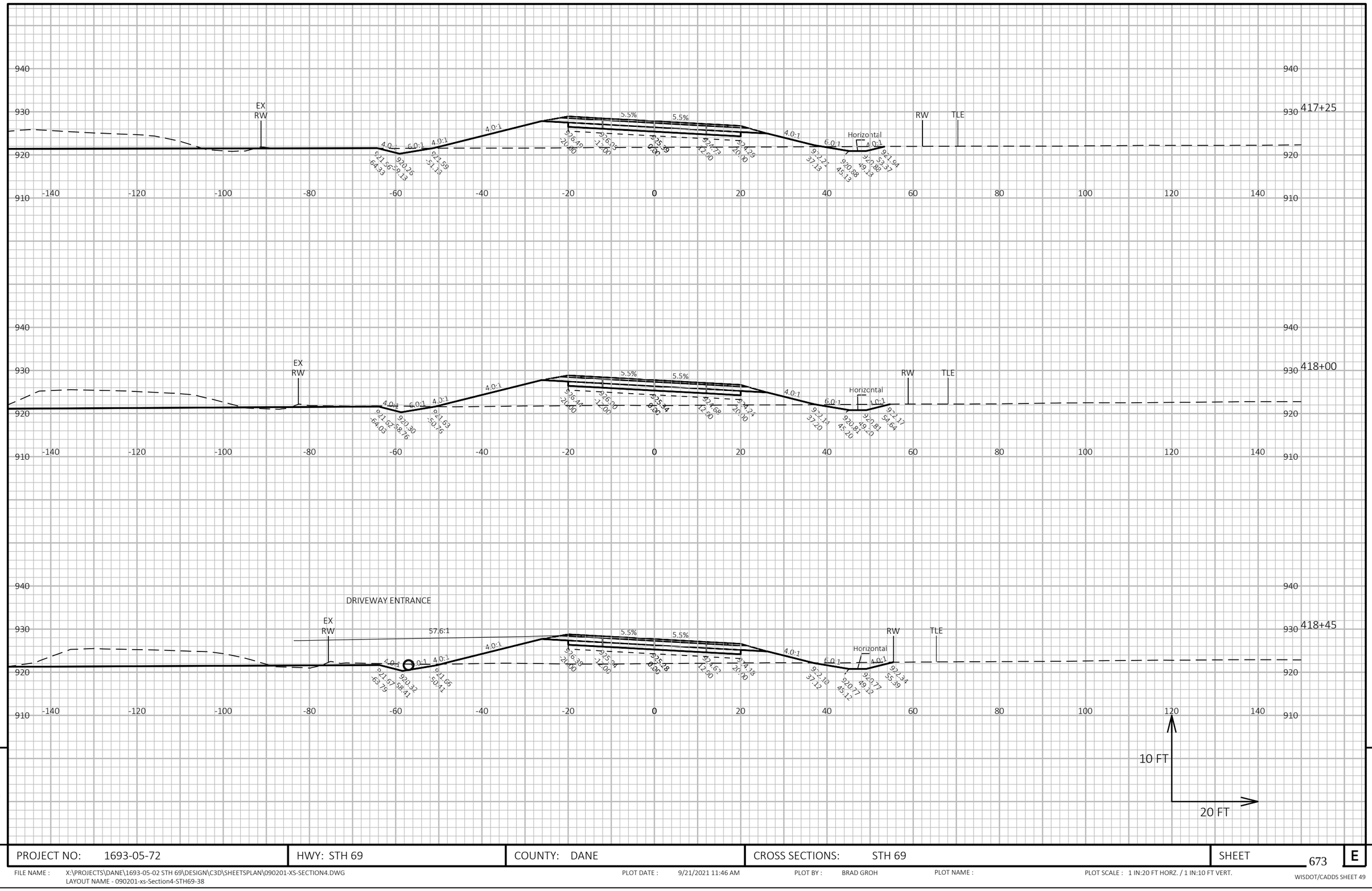
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 672	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-37

PLOT DATE : 9/21/2021 11:45 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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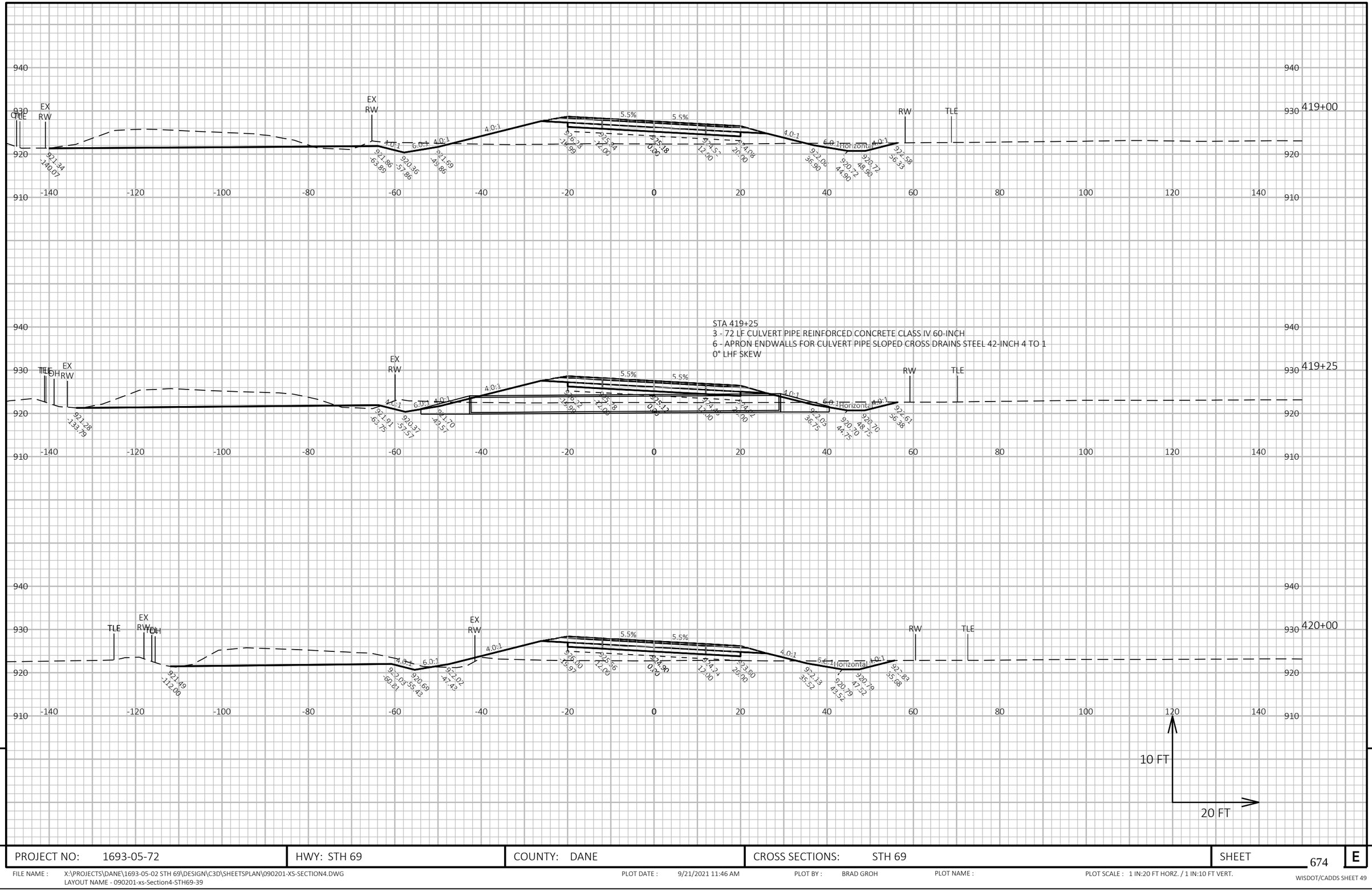
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 673	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-38

PLOT DATE : 9/21/2021 11:46 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

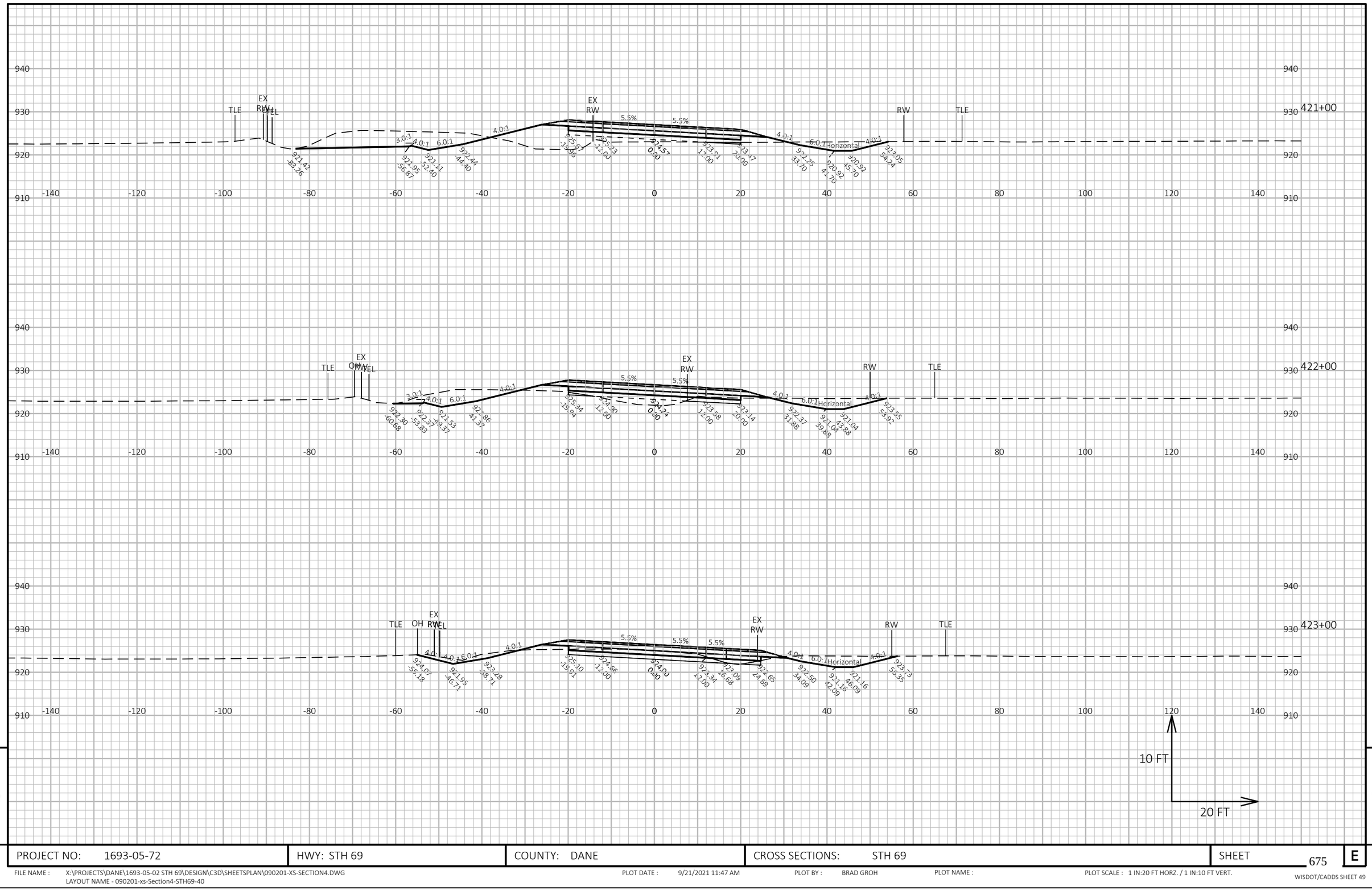


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 674	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-39

PLOT DATE : 9/21/2021 11:46 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

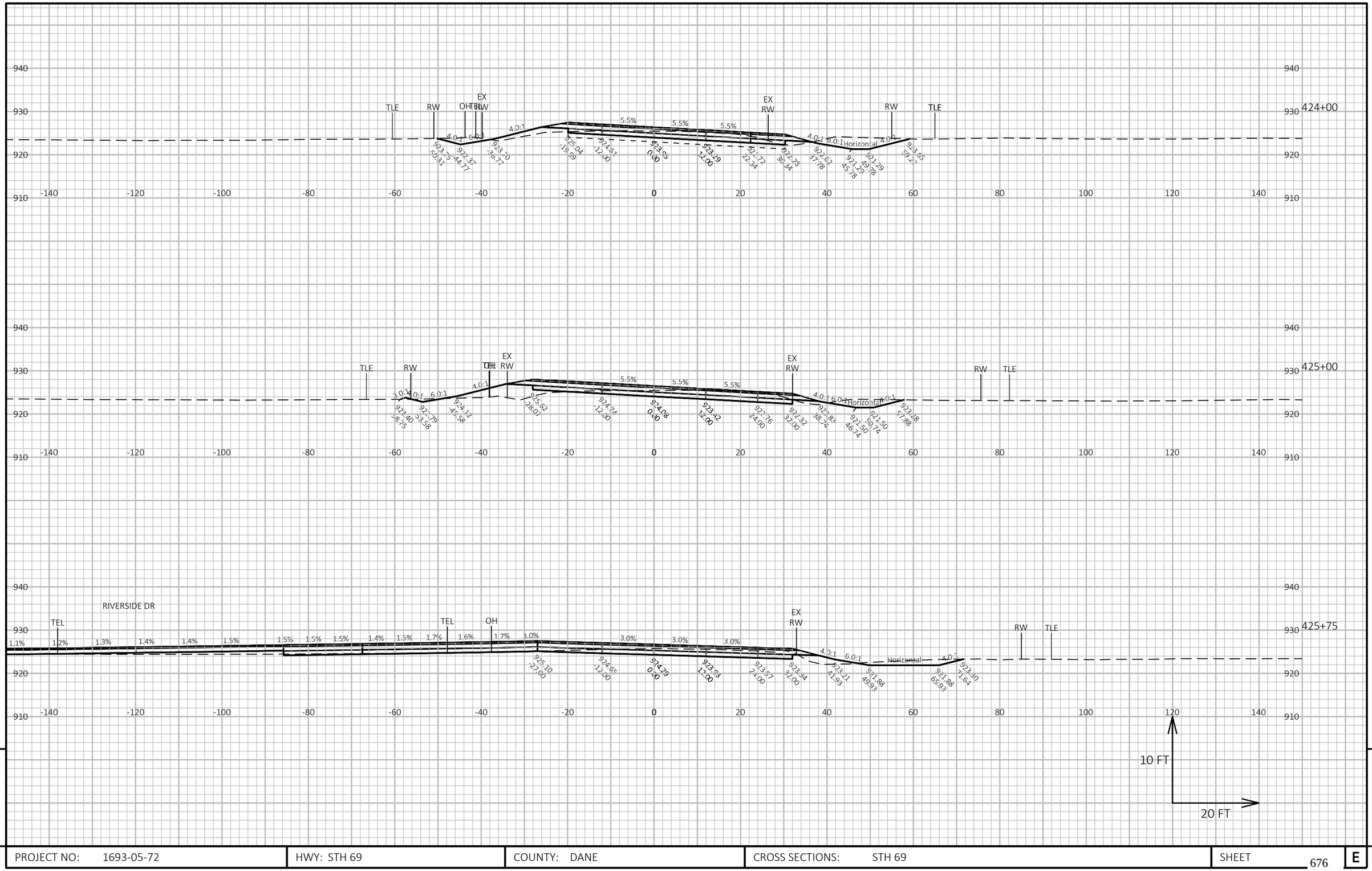


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 675	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-40

PLOT DATE : 9/21/2021 11:47 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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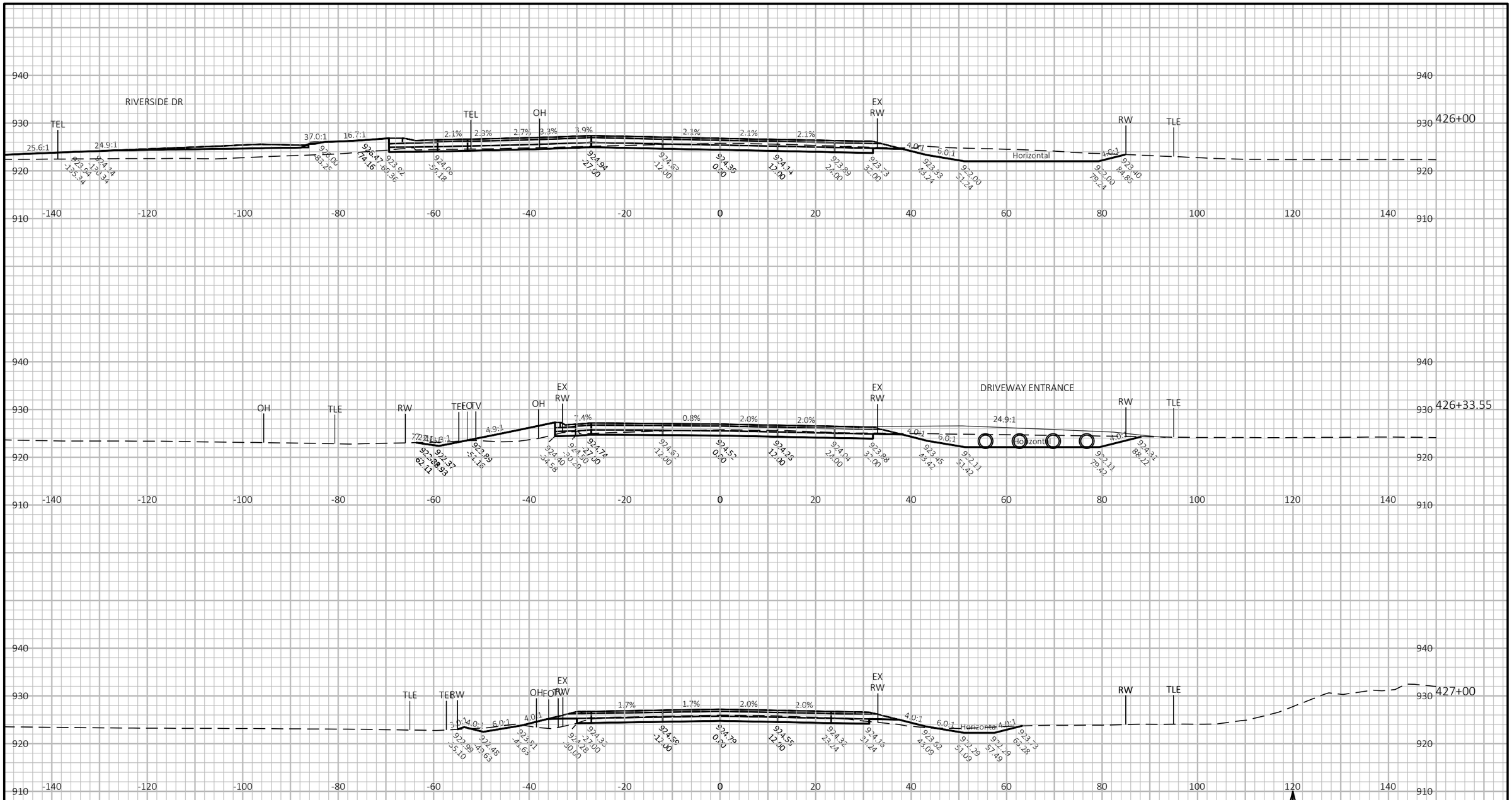
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 676	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-41

PLOT DATE : 9/21/2021 11:47 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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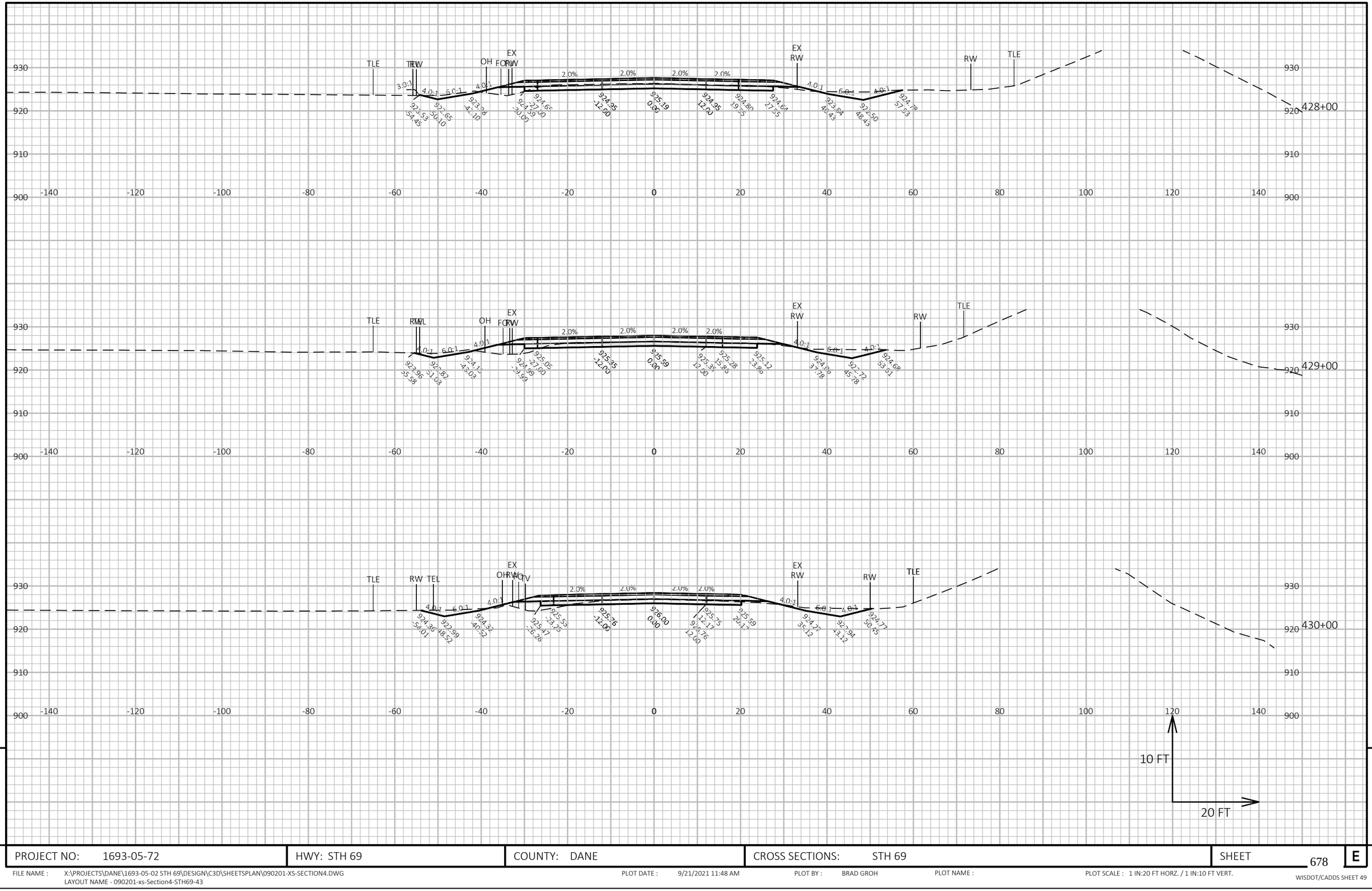
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 677	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-42

PLOT DATE : 9/21/2021 11:48 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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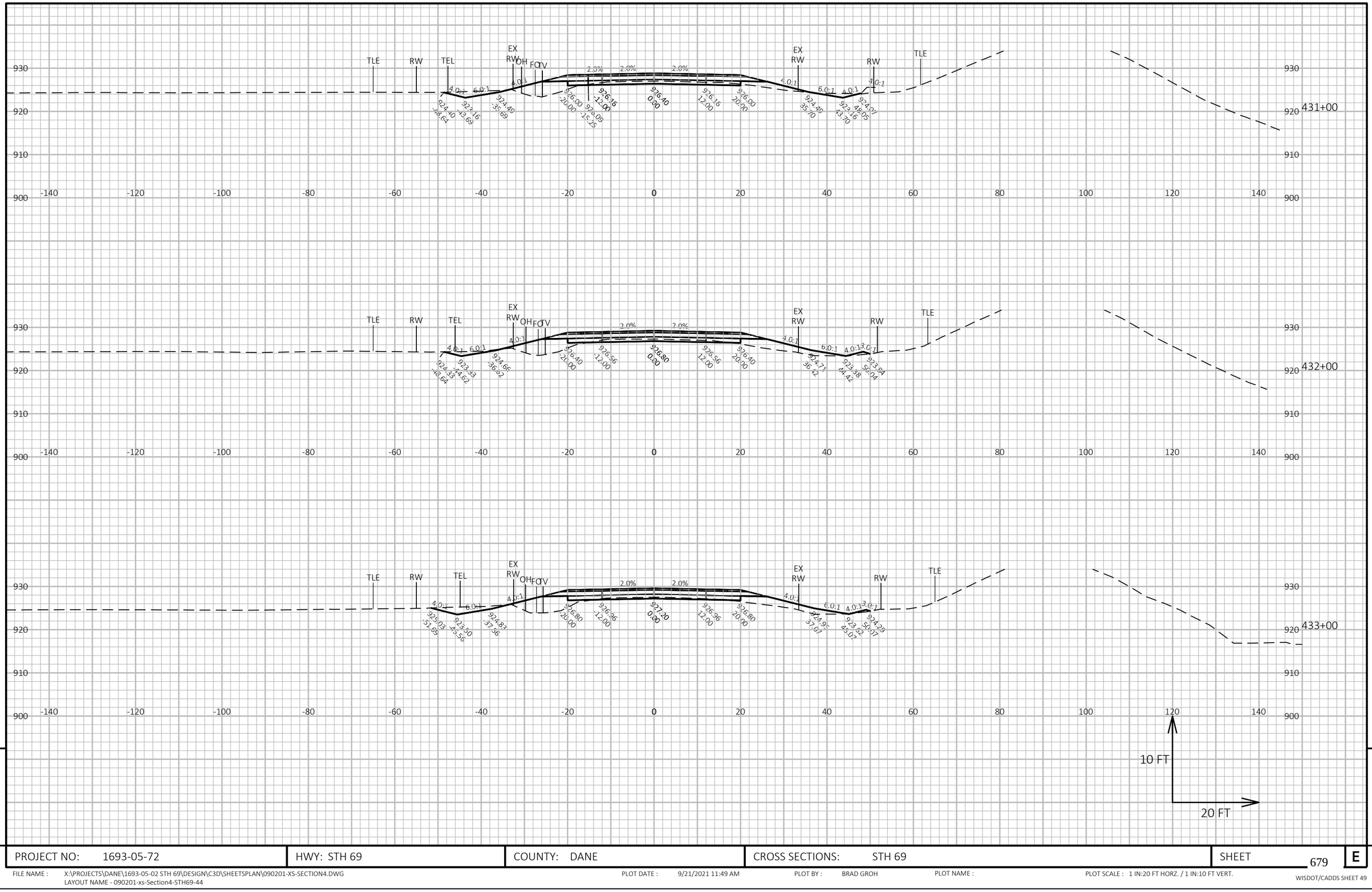
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 678	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-43

PLOT DATE : 9/21/2021 11:48 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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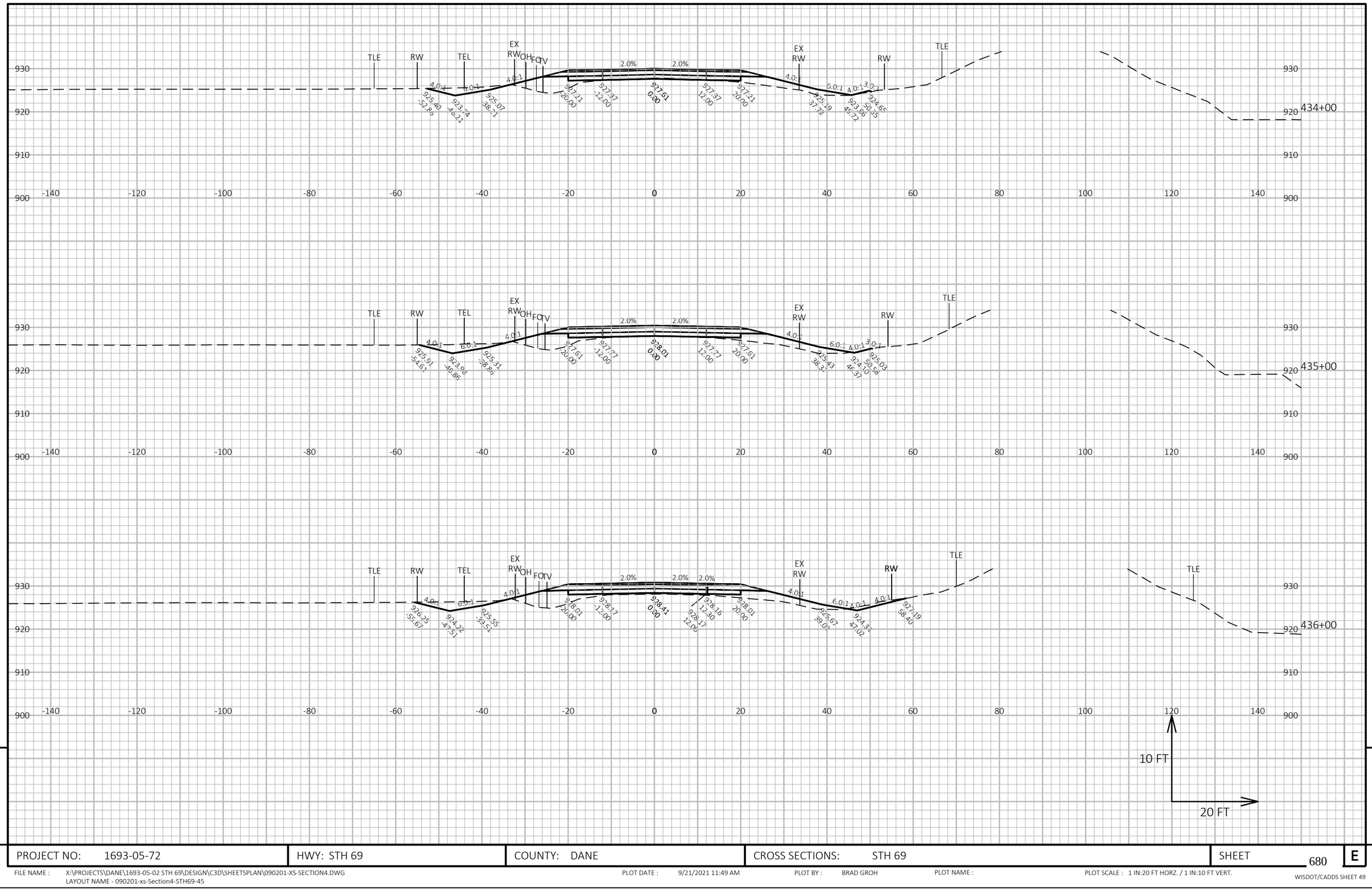
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 679	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-44

PLOT DATE : 9/21/2021 11:49 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 680	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-45

PLOT DATE : 9/21/2021 11:49 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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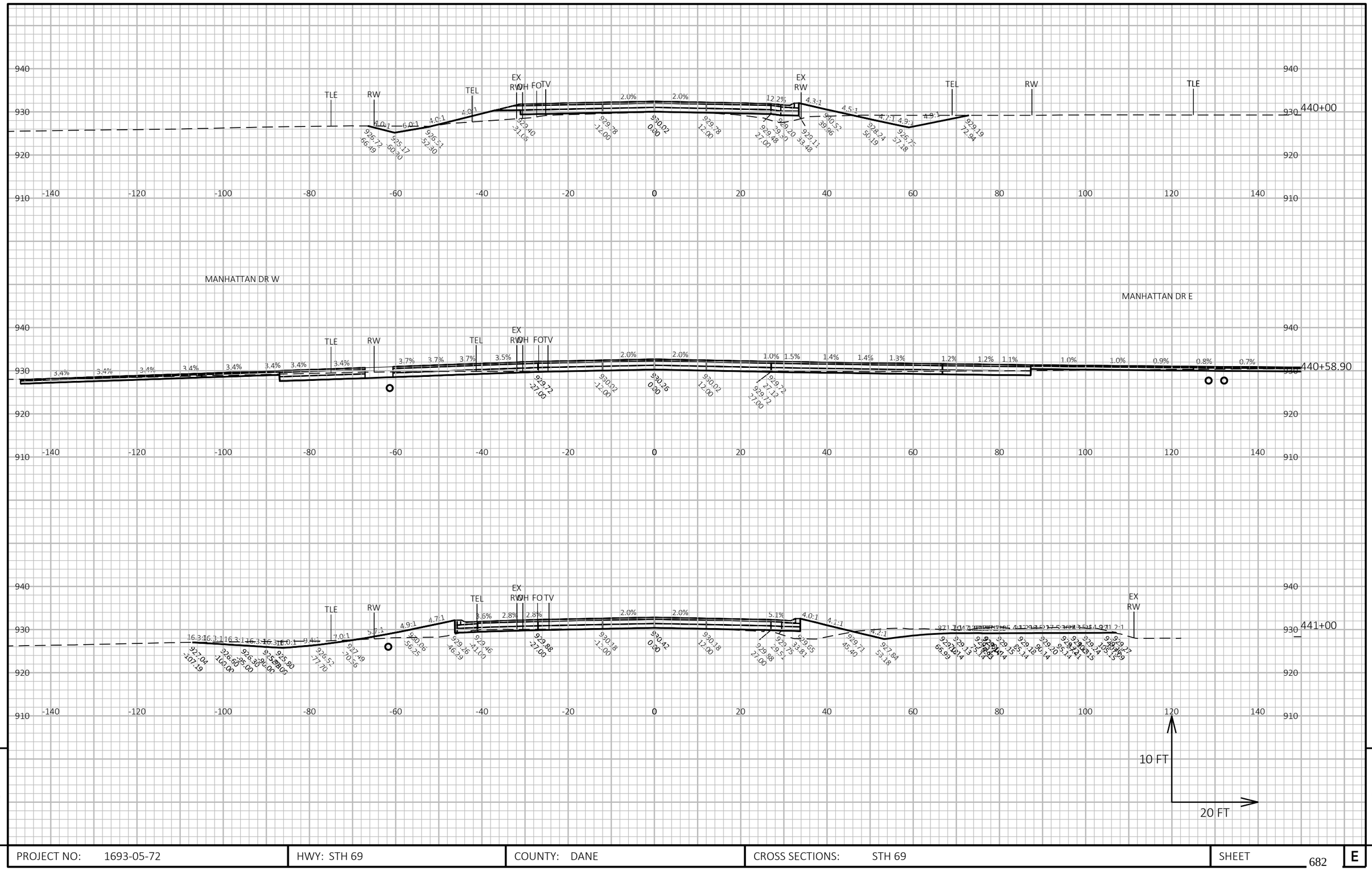
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 681	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-46

PLOT DATE : 9/21/2021 11:50 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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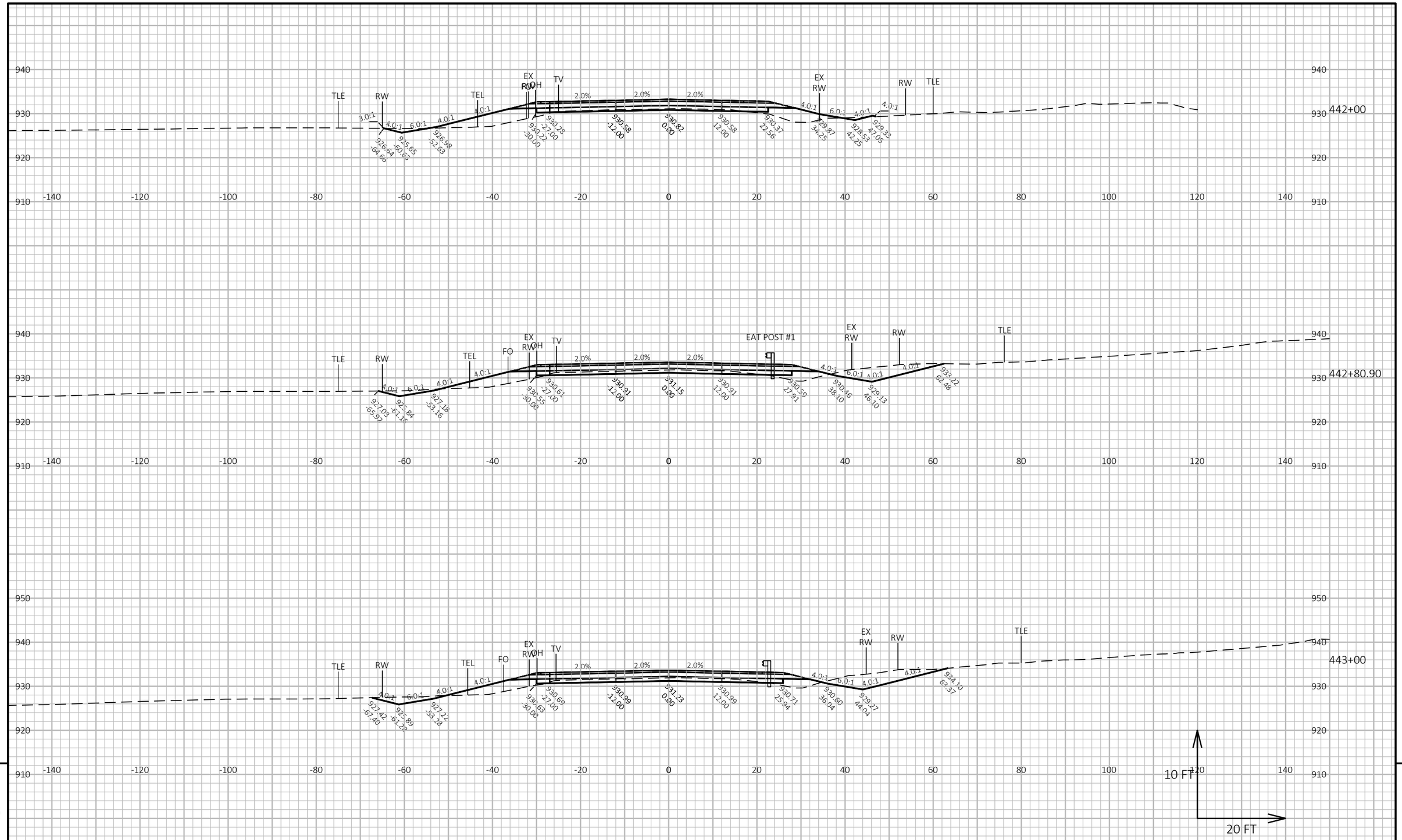
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 682	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-47

PLOT DATE : 9/21/2021 11:50 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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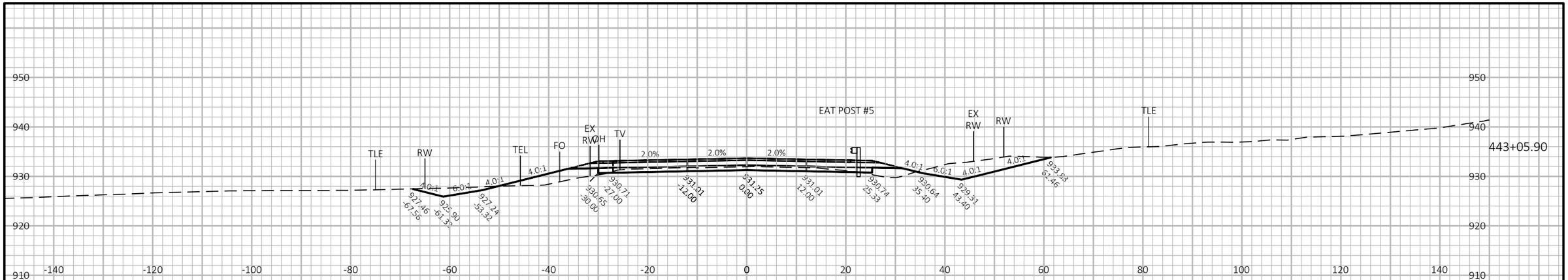
9

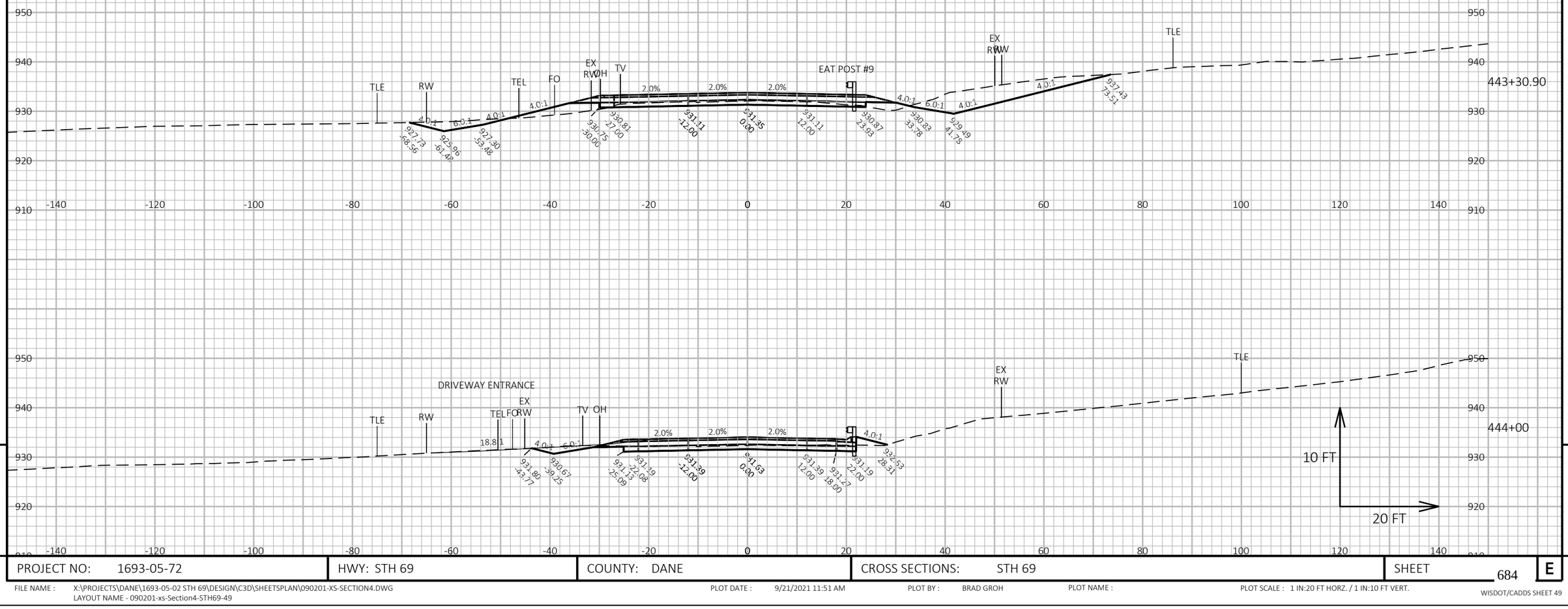
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 683	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-48

PLOT DATE : 9/21/2021 11:51 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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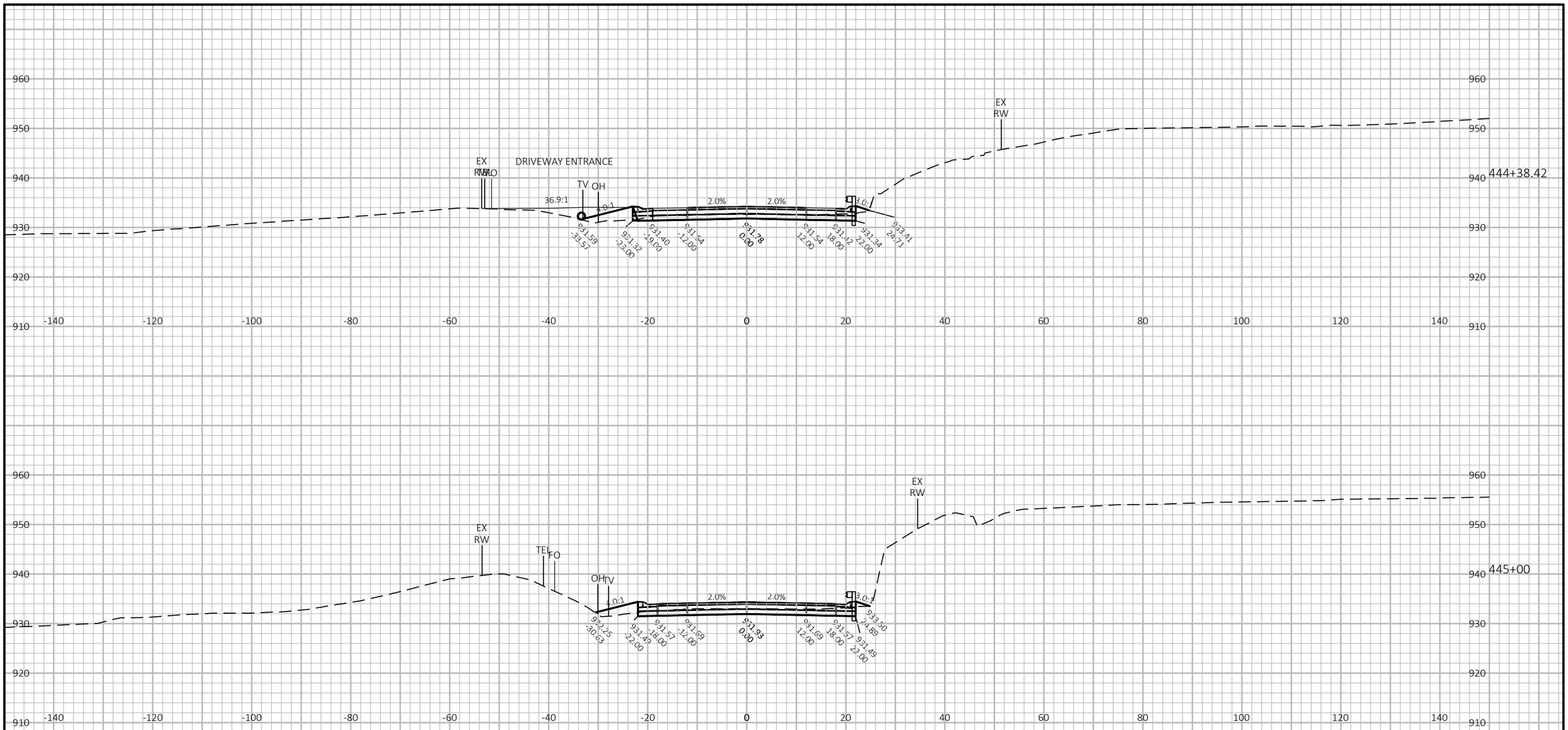
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 684	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-49

PLOT DATE : 9/21/2021 11:51 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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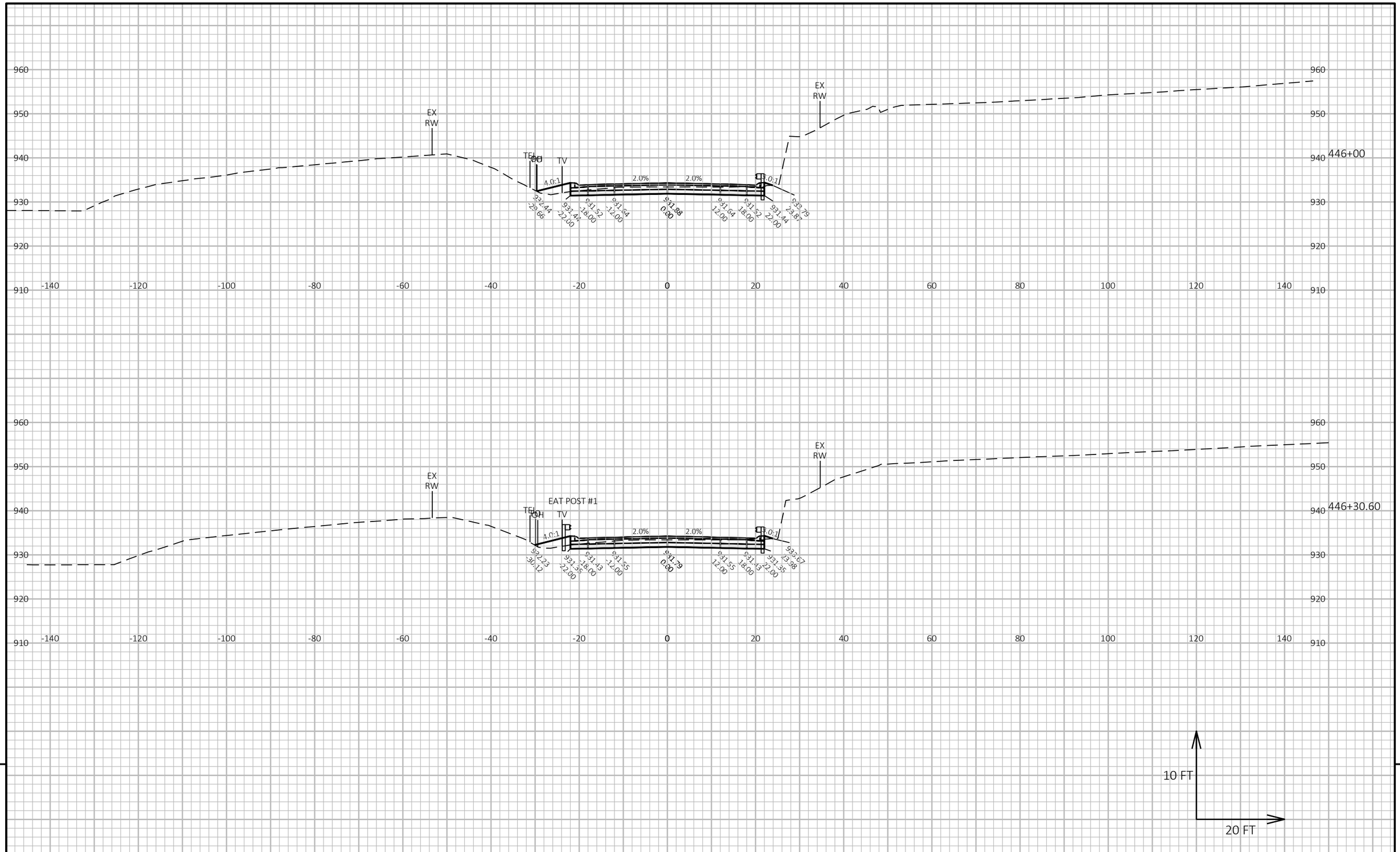
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 685	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-50

PLOT DATE : 9/21/2021 11:52 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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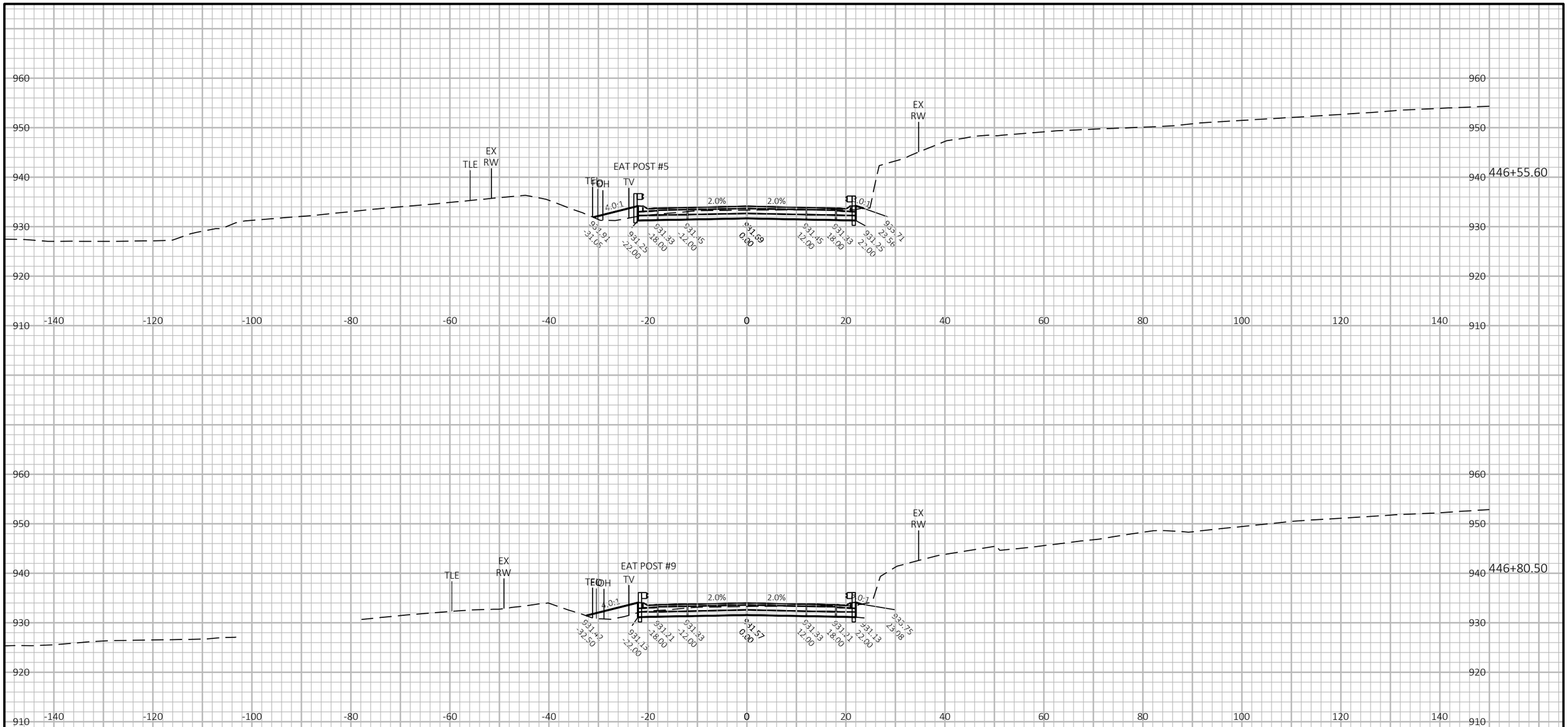
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 686	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-51

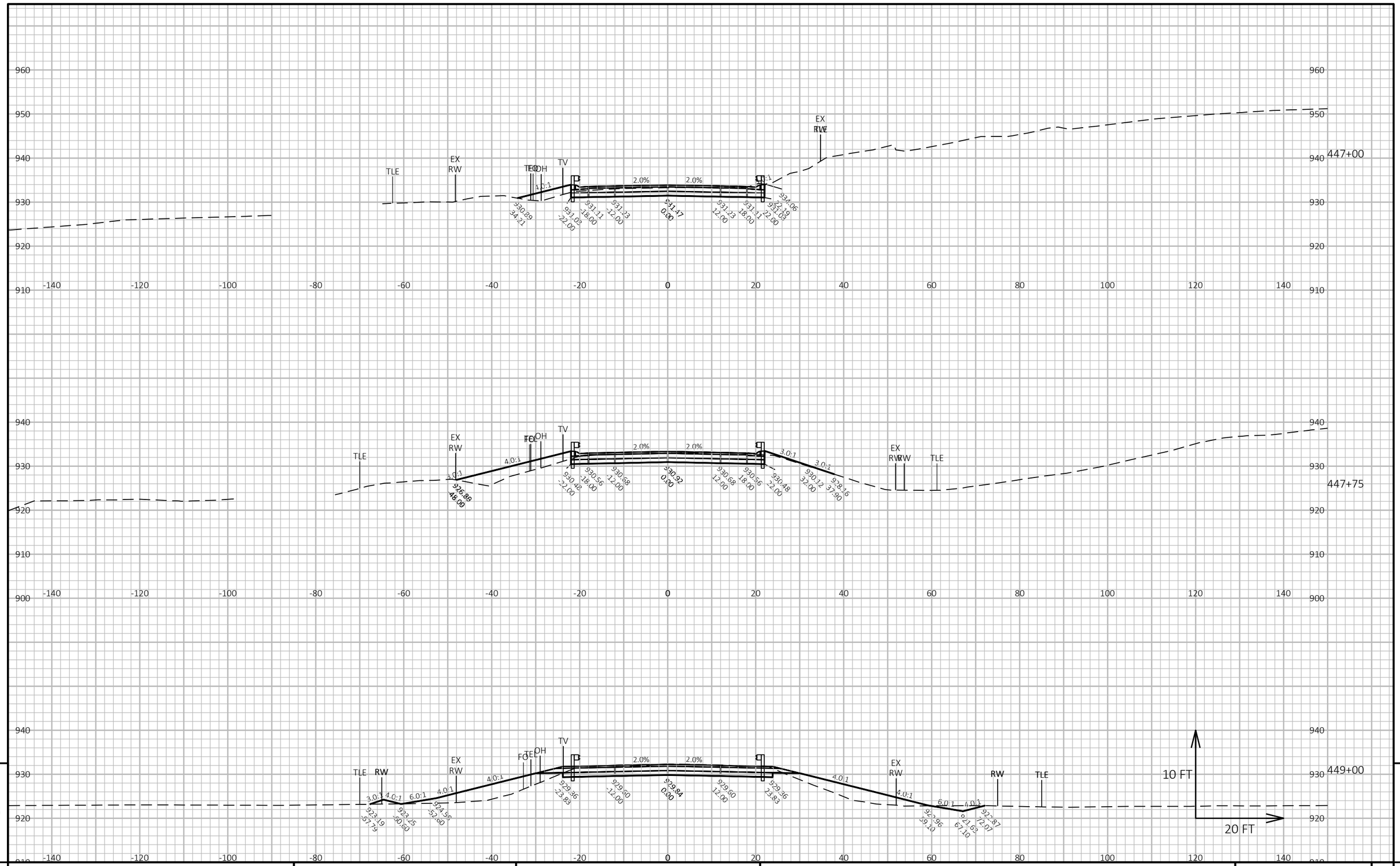
PLOT DATE : 9/21/2021 11:52 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 687	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-52

PLOT DATE : 9/21/2021 11:53 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

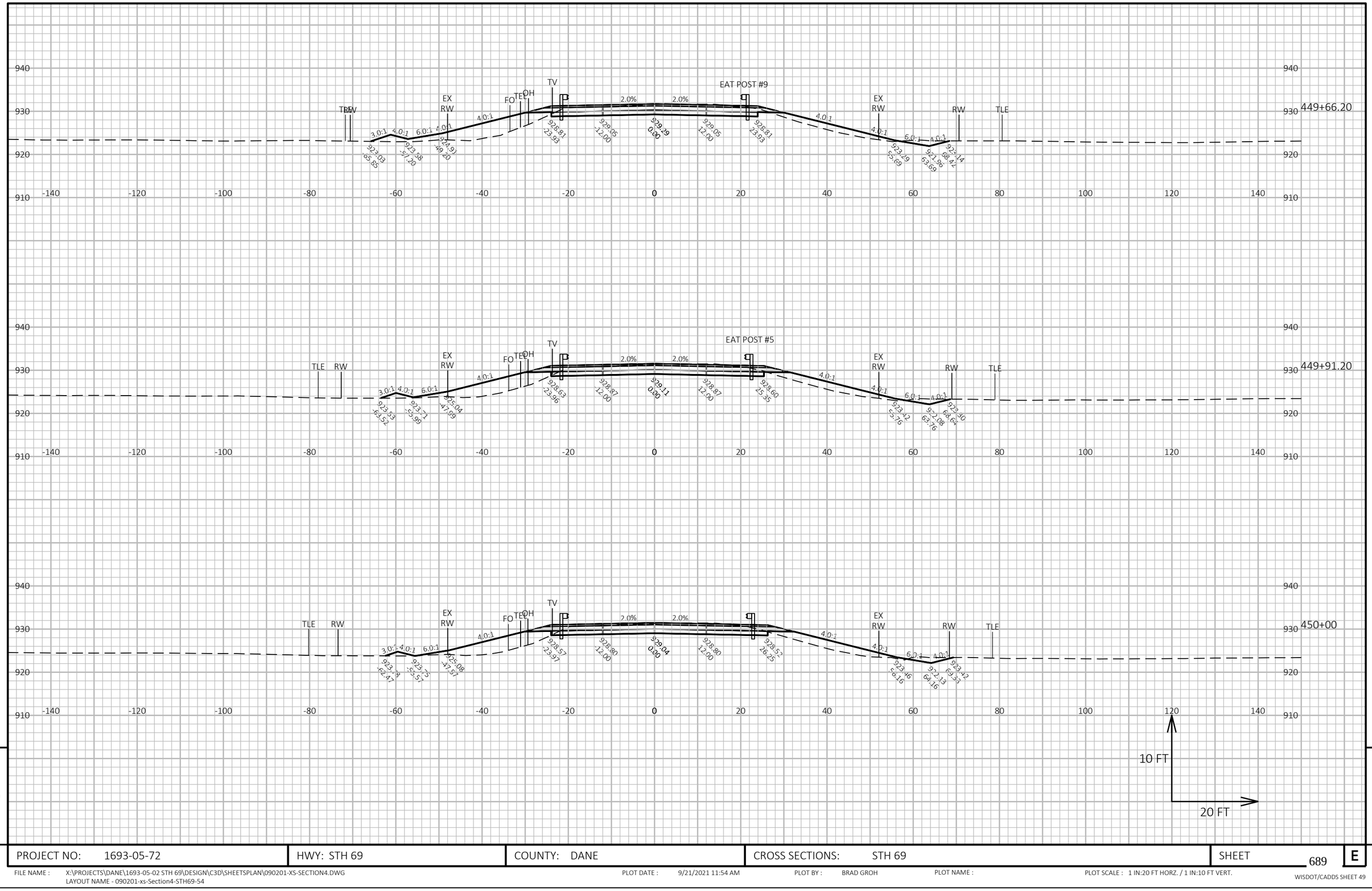


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 688	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-53

PLOT DATE : 9/21/2021 11:53 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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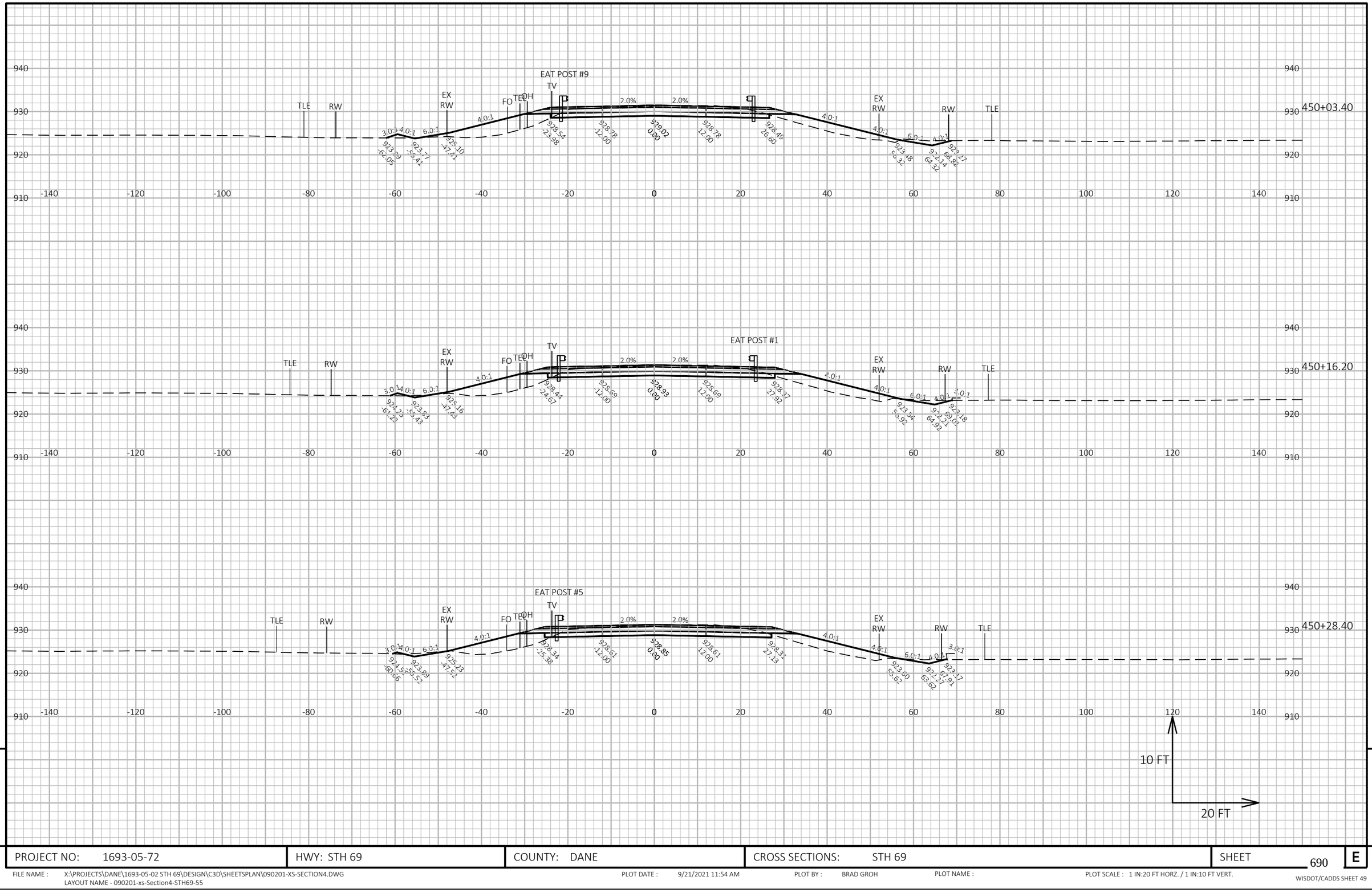
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 689	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-54

PLOT DATE : 9/21/2021 11:54 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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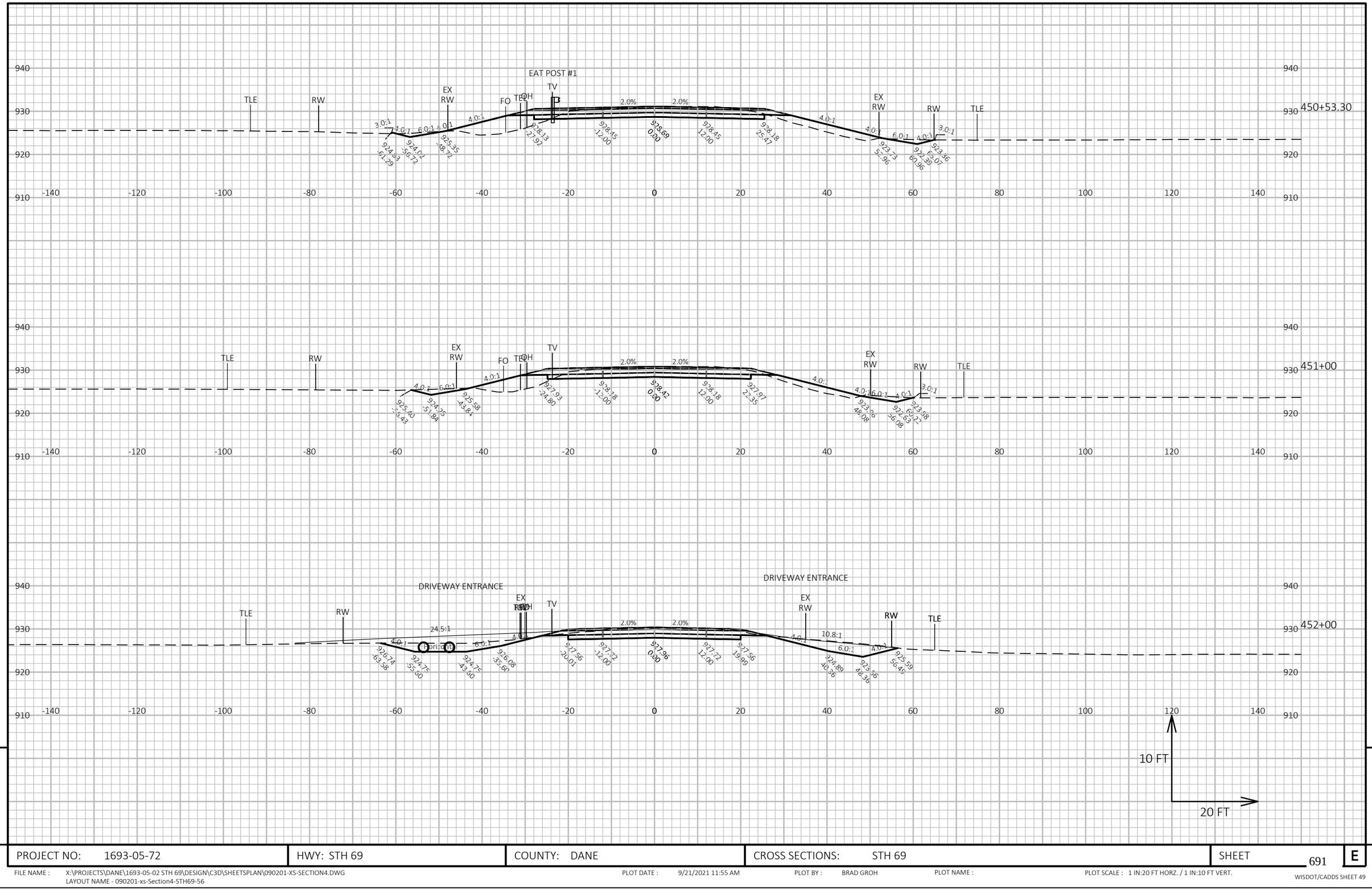
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 690	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-55

PLOT DATE : 9/21/2021 11:54 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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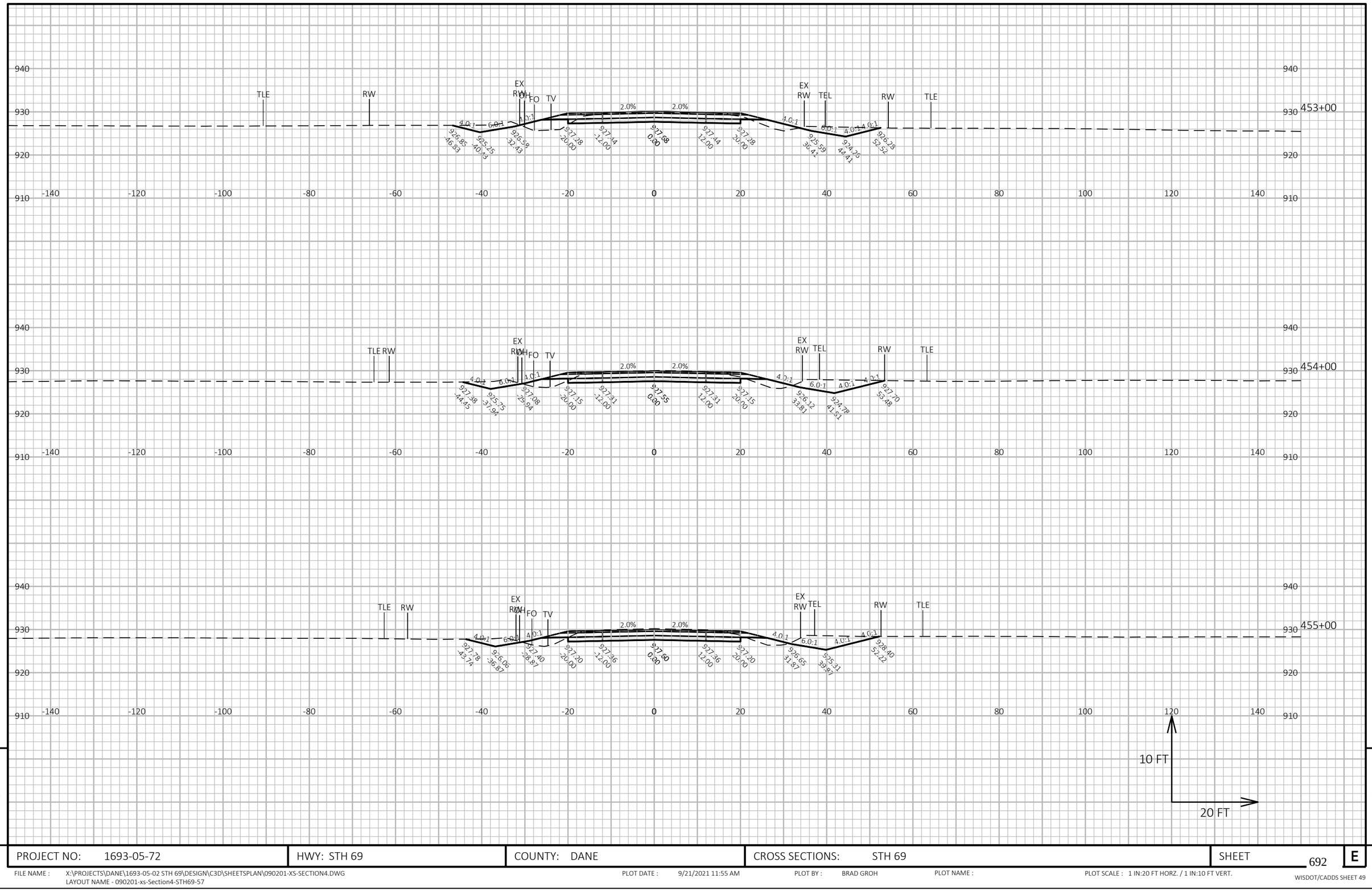
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 691	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-56

PLOT DATE : 9/21/2021 11:55 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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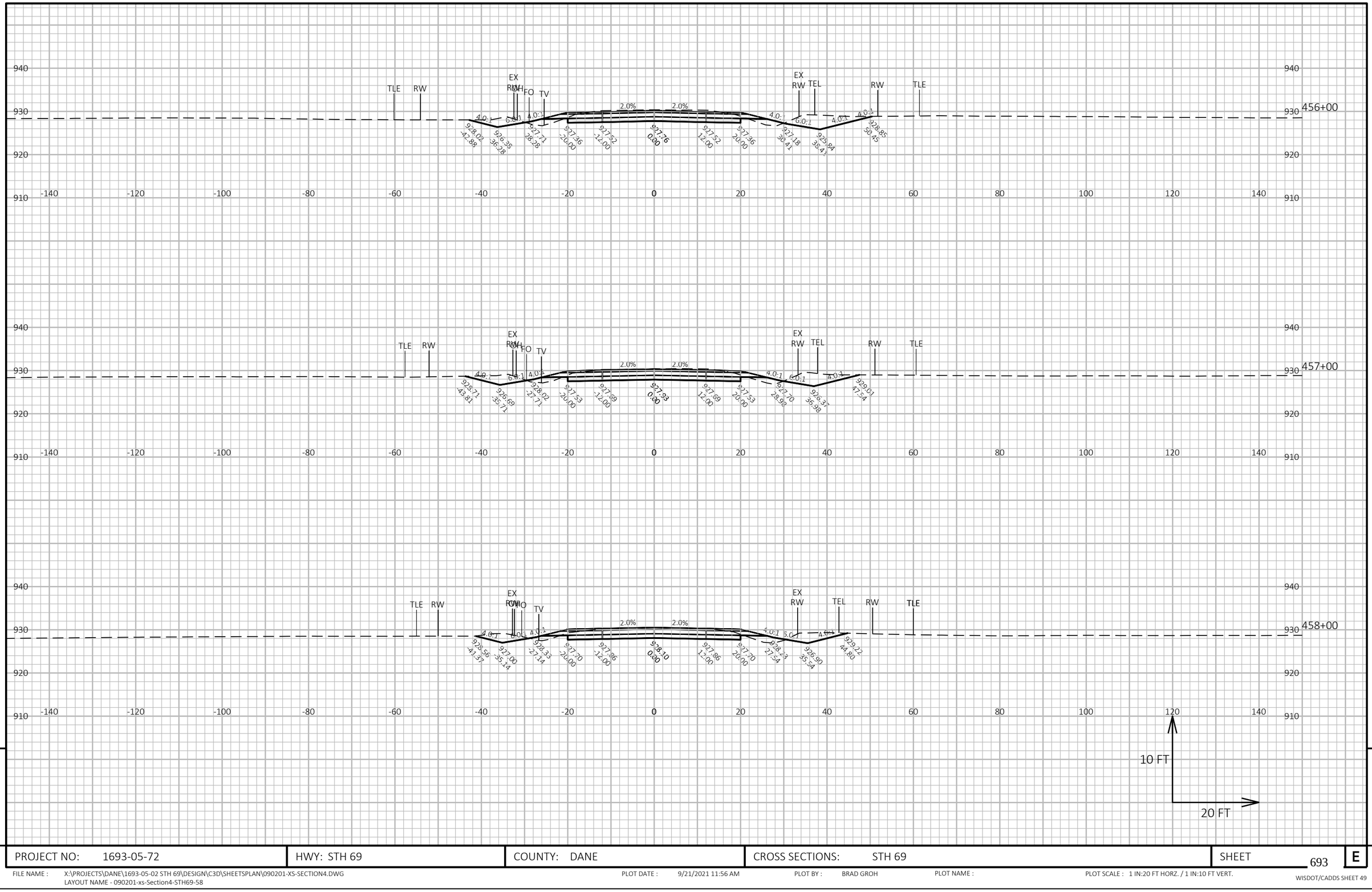
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 692	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-57

PLOT DATE : 9/21/2021 11:55 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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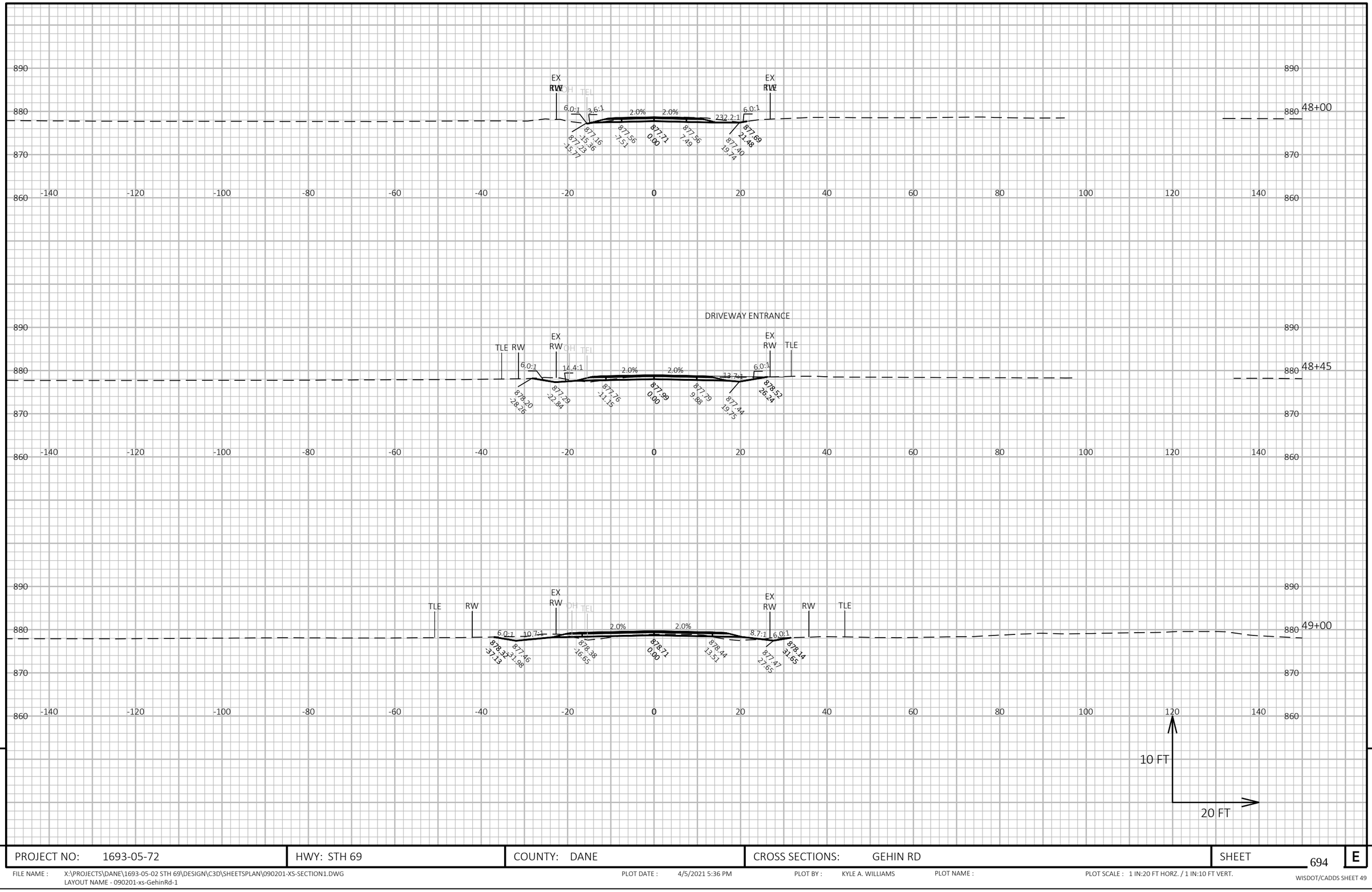
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: STH 69	SHEET 693	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-STH69-58

PLOT DATE : 9/21/2021 11:56 AM PLOT BY : BRAD GROH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



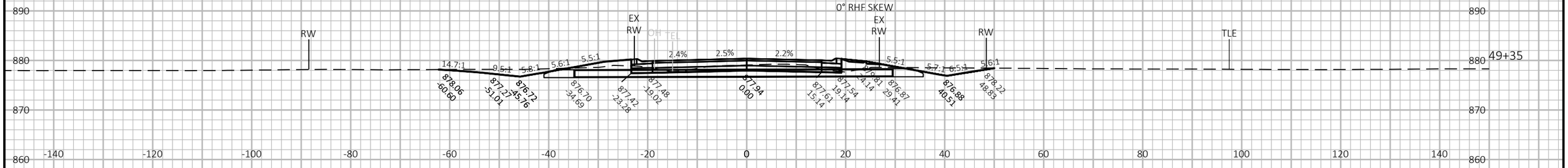
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: GEHIN RD	SHEET 694	E

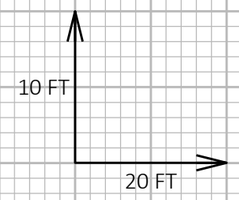
FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION1.DWG
LAYOUT NAME - 090201-xs-GehinRd-1

PLOT DATE : 4/5/2021 5:36 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

STA 49+35
1 - 65 LF CULVERT PIPE REINFORCED CONCRETE CLASS IV 15-INCH
2 - APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH
0° RHF SKEW





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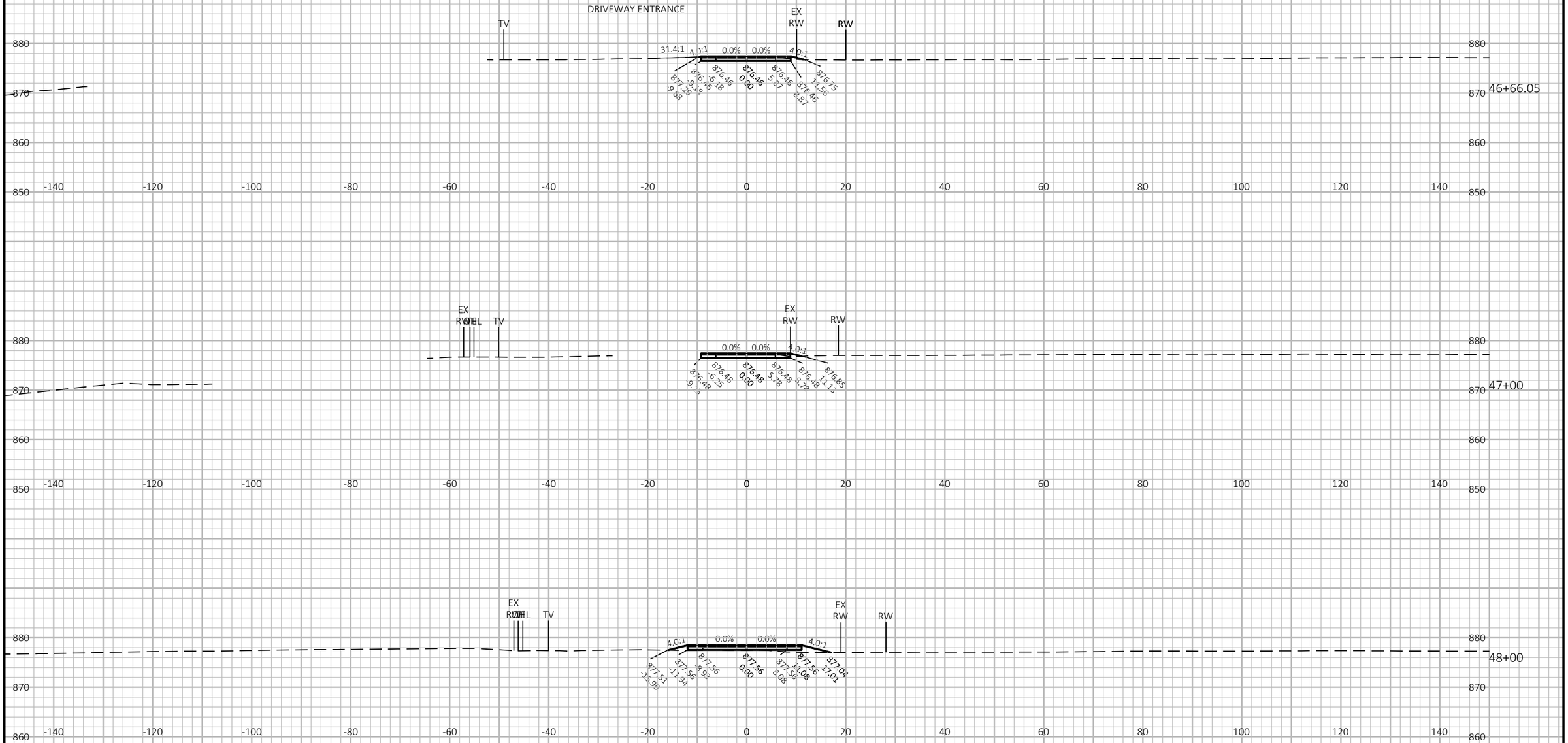
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: GEHIN RD	SHEET 695	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION1.DWG
LAYOUT NAME - 090201-xs-GehinRd-2

PLOT DATE : 4/5/2021 5:36 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

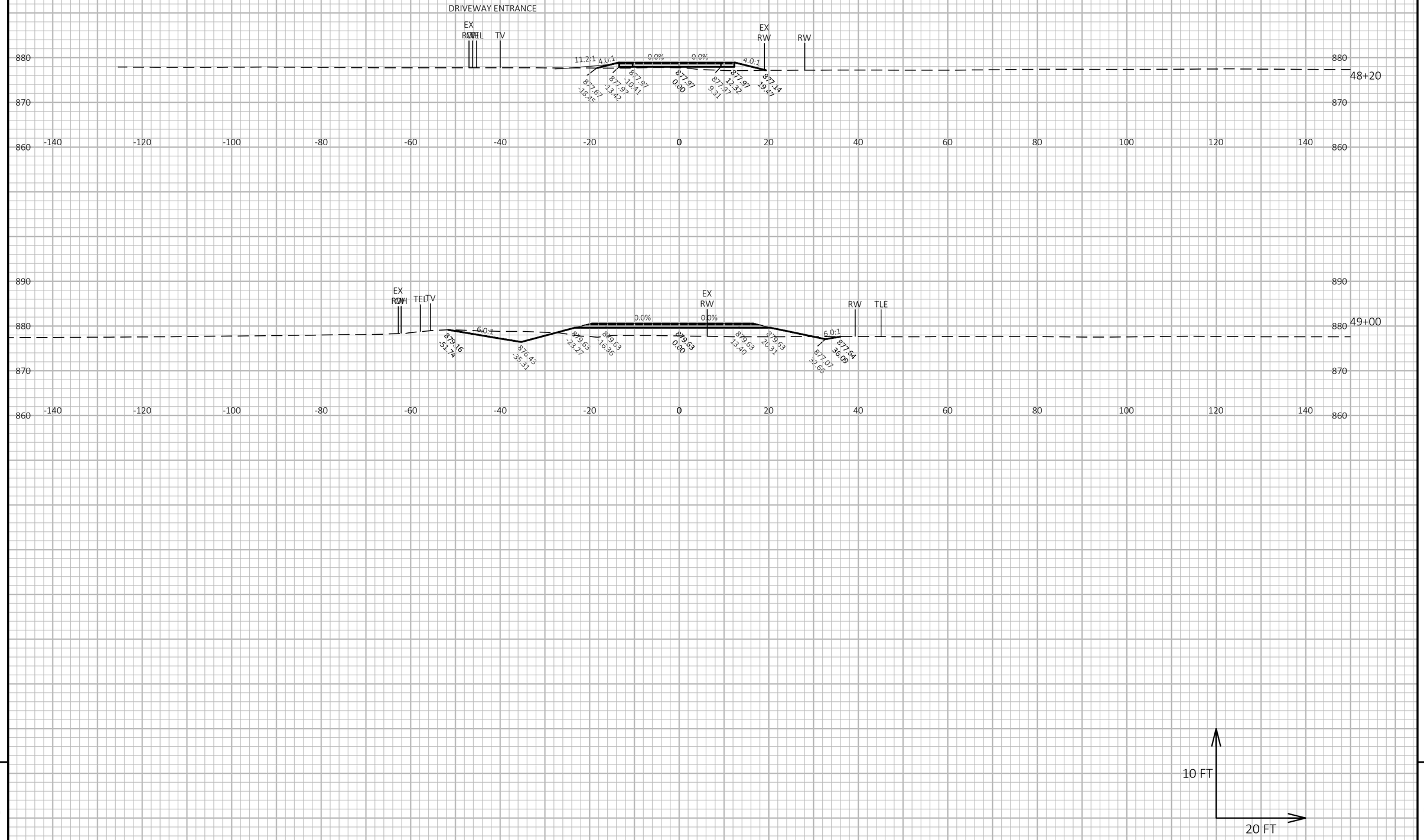
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: LITTLE LAKES RD	SHEET 696	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-LittleLakes1

PLOT DATE : 4/5/2021 5:36 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

DRIVEWAY ENTRANCE



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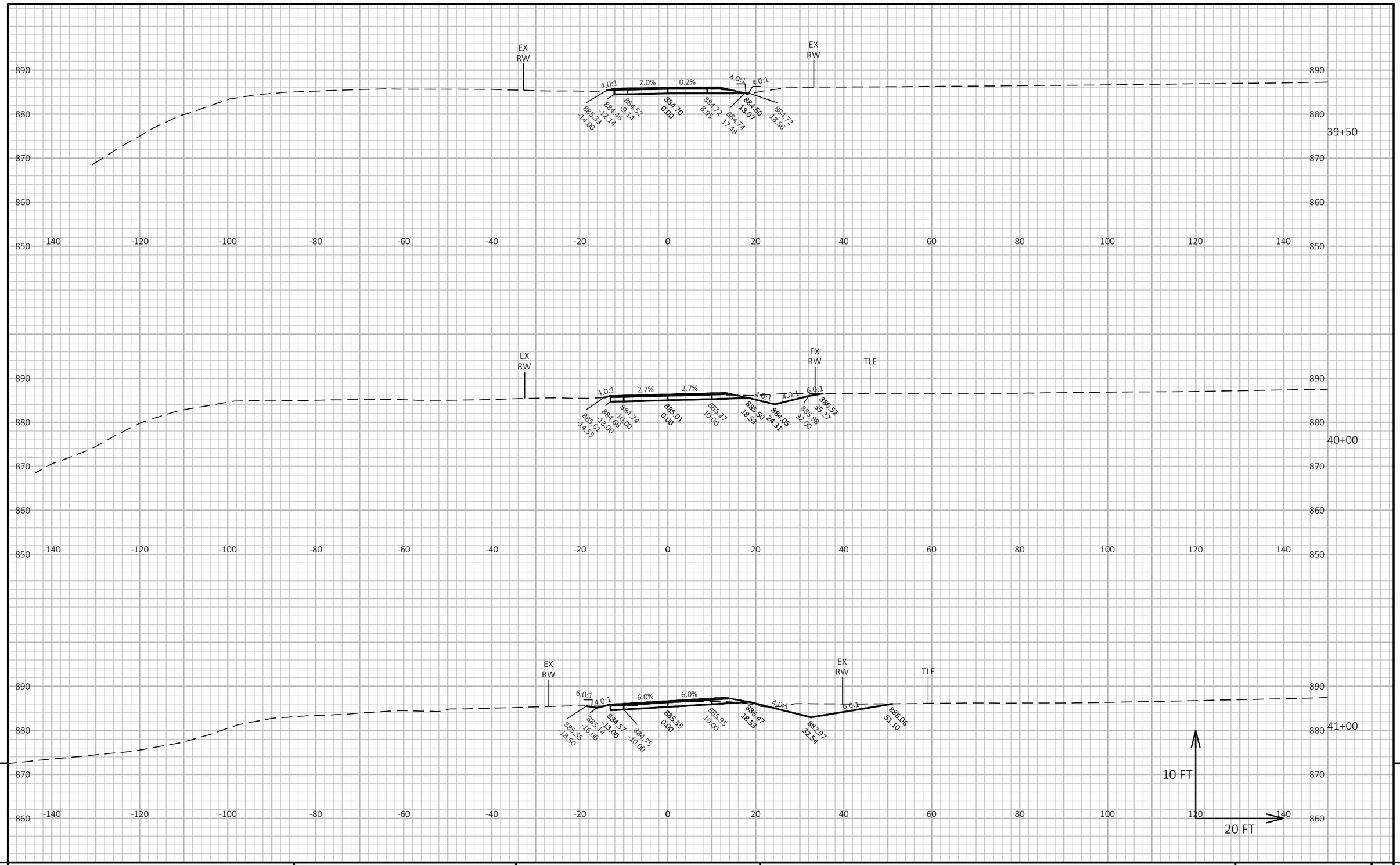
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: LITTLE LAKES RD	SHEET 697	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-LittleLakes2

PLOT DATE : 4/5/2021 5:37 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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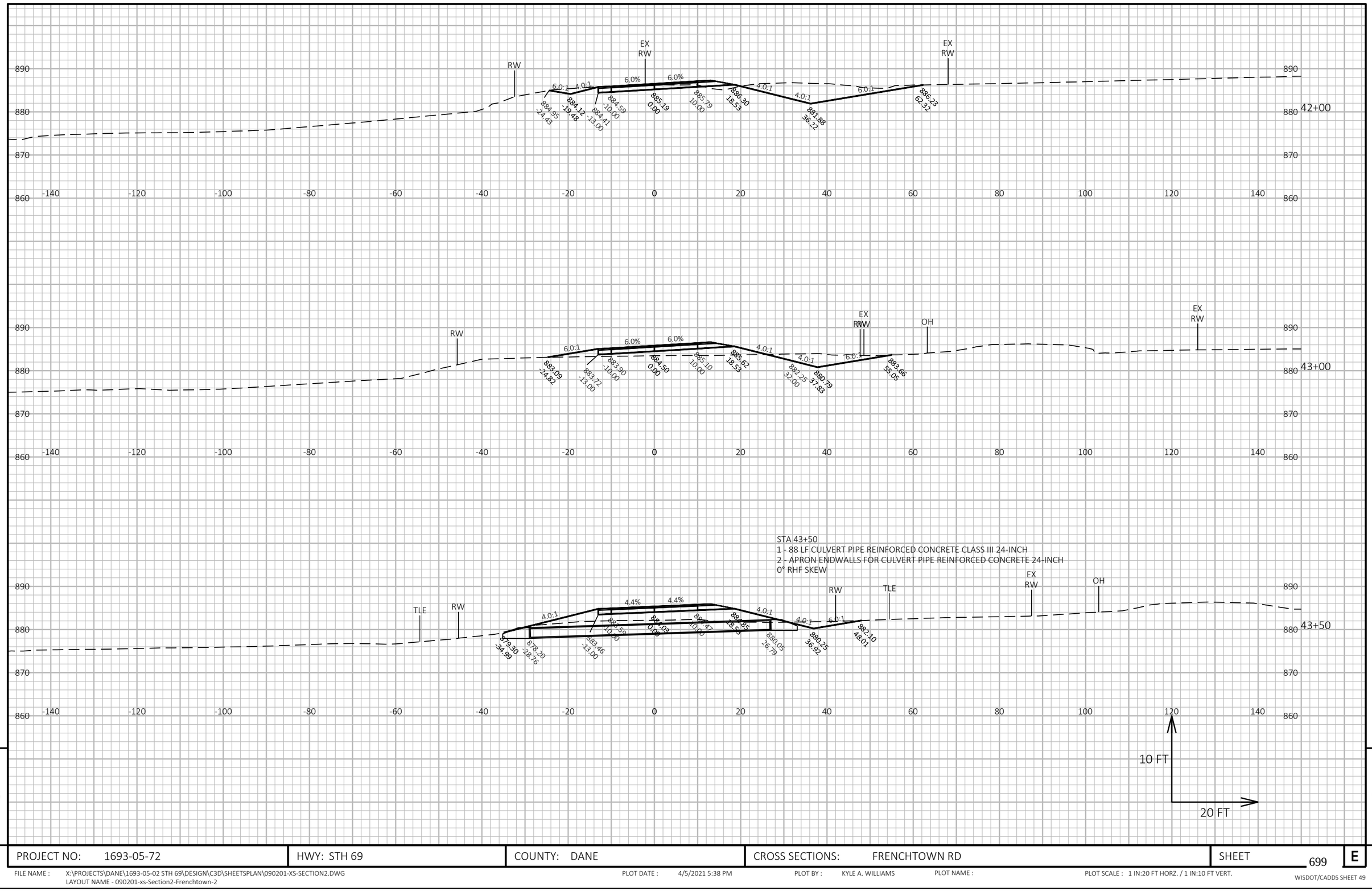
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: FRENCHTOWN RD	SHEET 698	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-Frenchtown-1

PLOT DATE : 4/5/2021 5:37 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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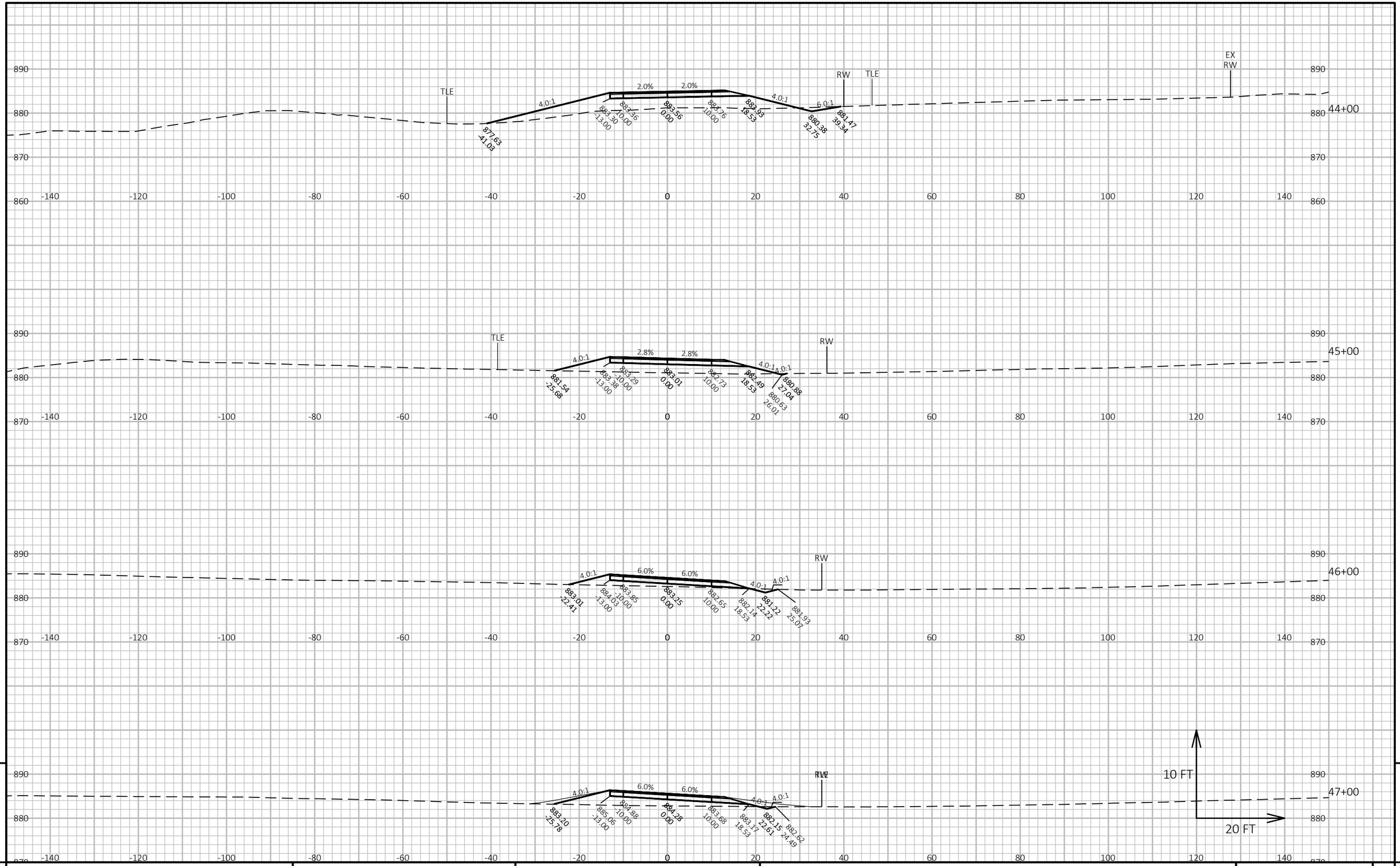
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: FRENCHTOWN RD	SHEET 699	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-Frenchtown-2

PLOT DATE : 4/5/2021 5:38 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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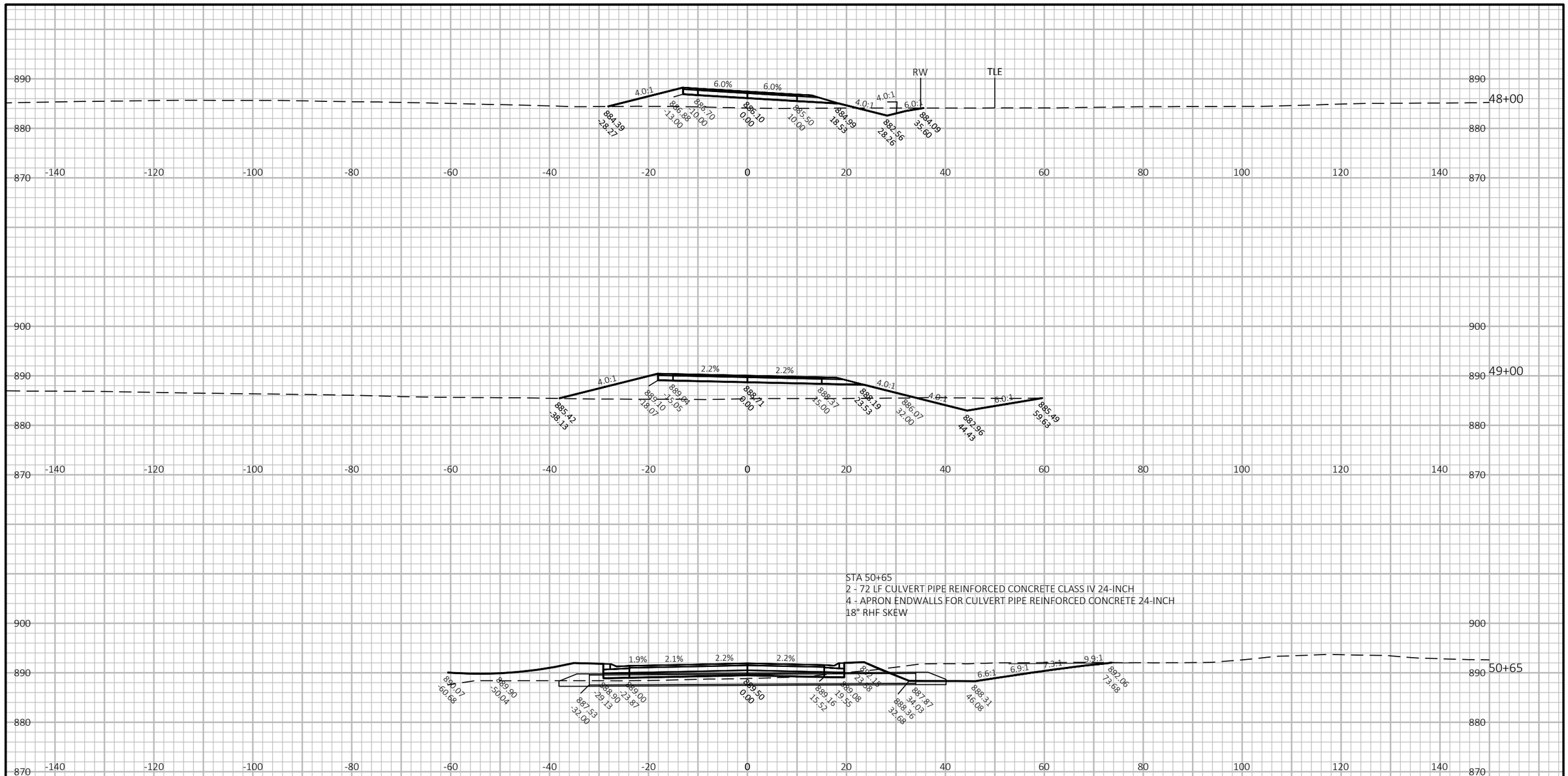
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: FRENCHTOWN RD	SHEET 700	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-Frenchtown-3

PLOT DATE : 4/5/2021 5:38 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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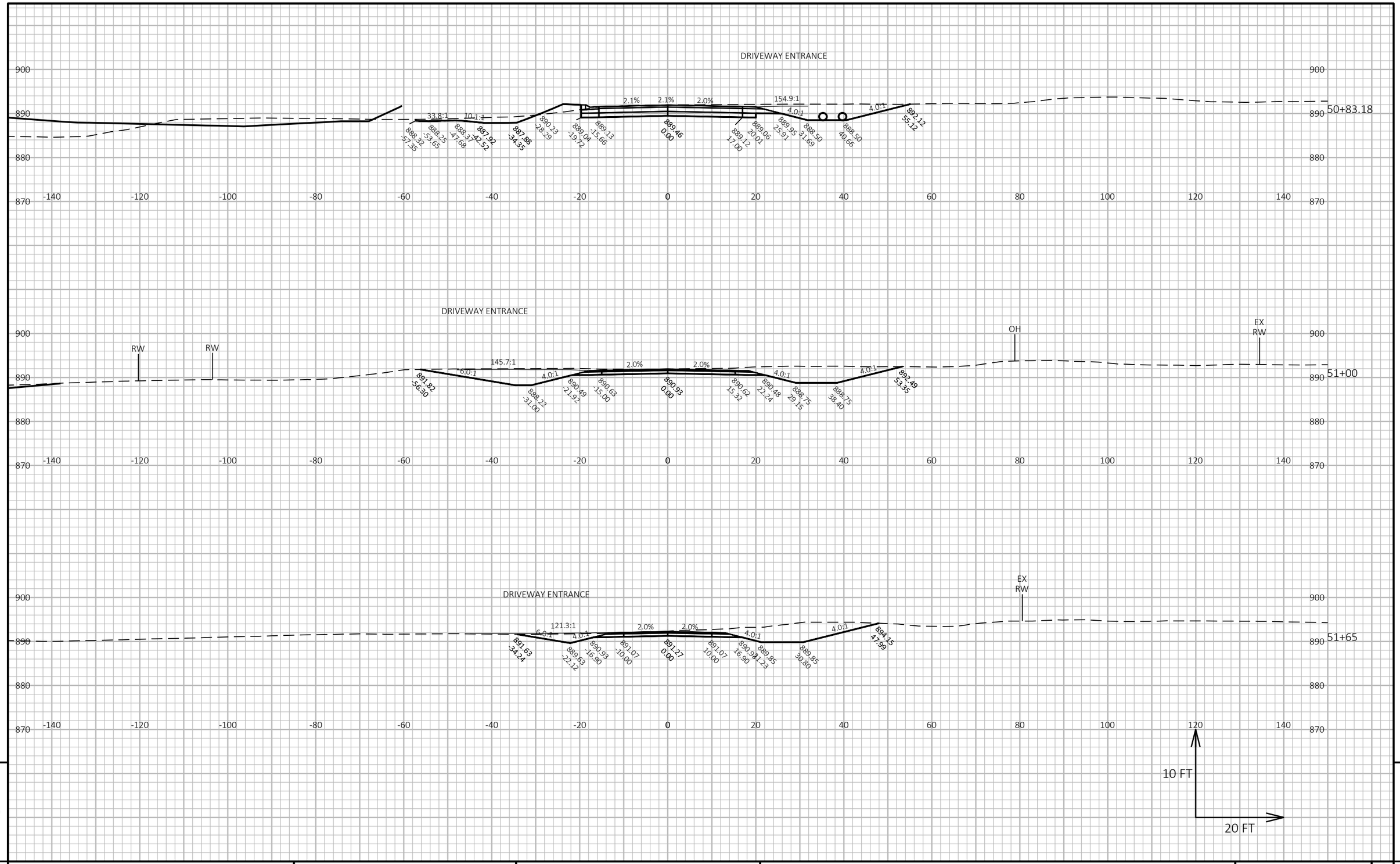
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: FRENCHTOWN RD	SHEET 701	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-Frenchtown-4

PLOT DATE : 4/5/2021 5:39 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

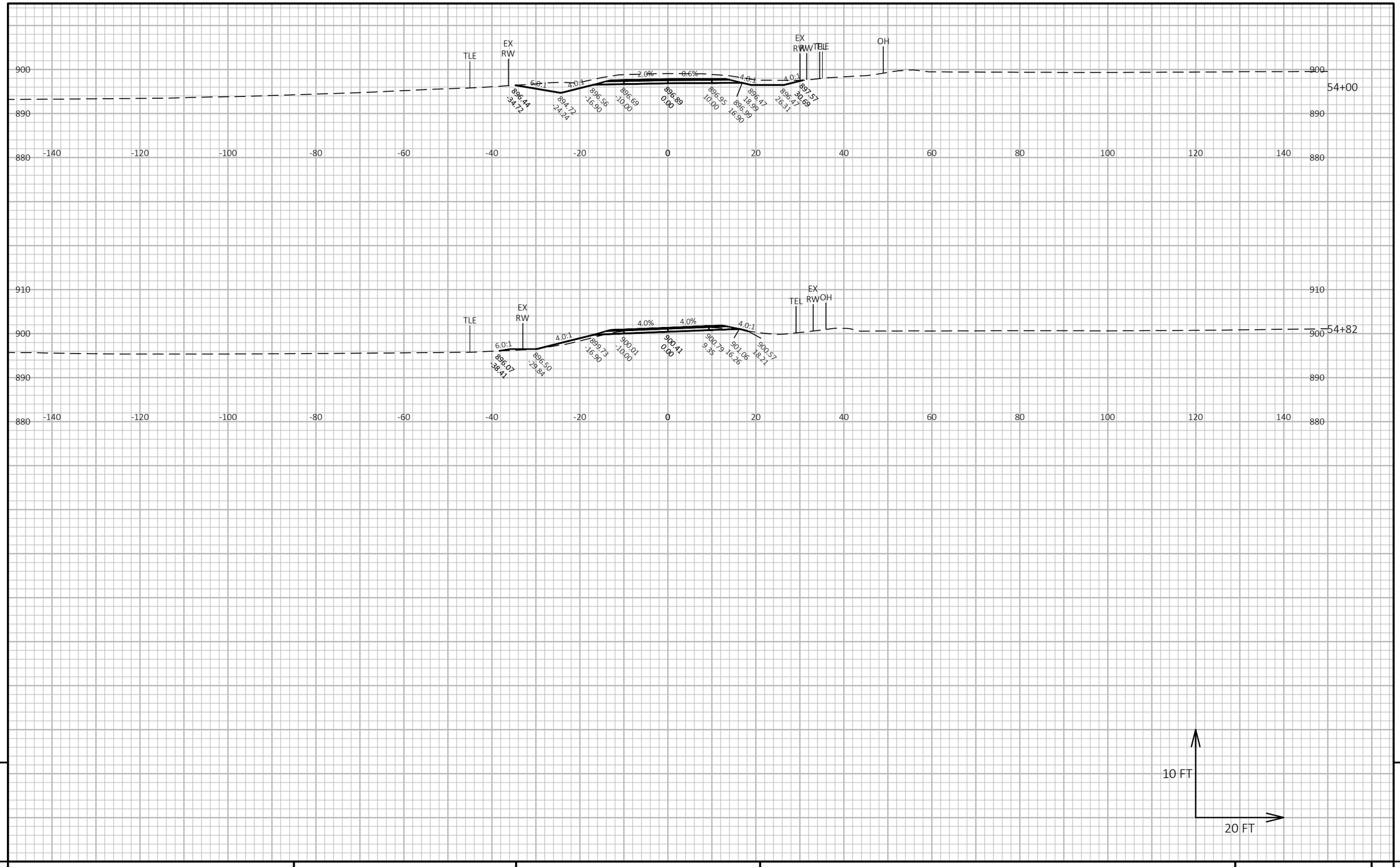


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: FRENCHTOWN RD	SHEET 702	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-Frenchtown-5

PLOT DATE : 4/5/2021 5:39 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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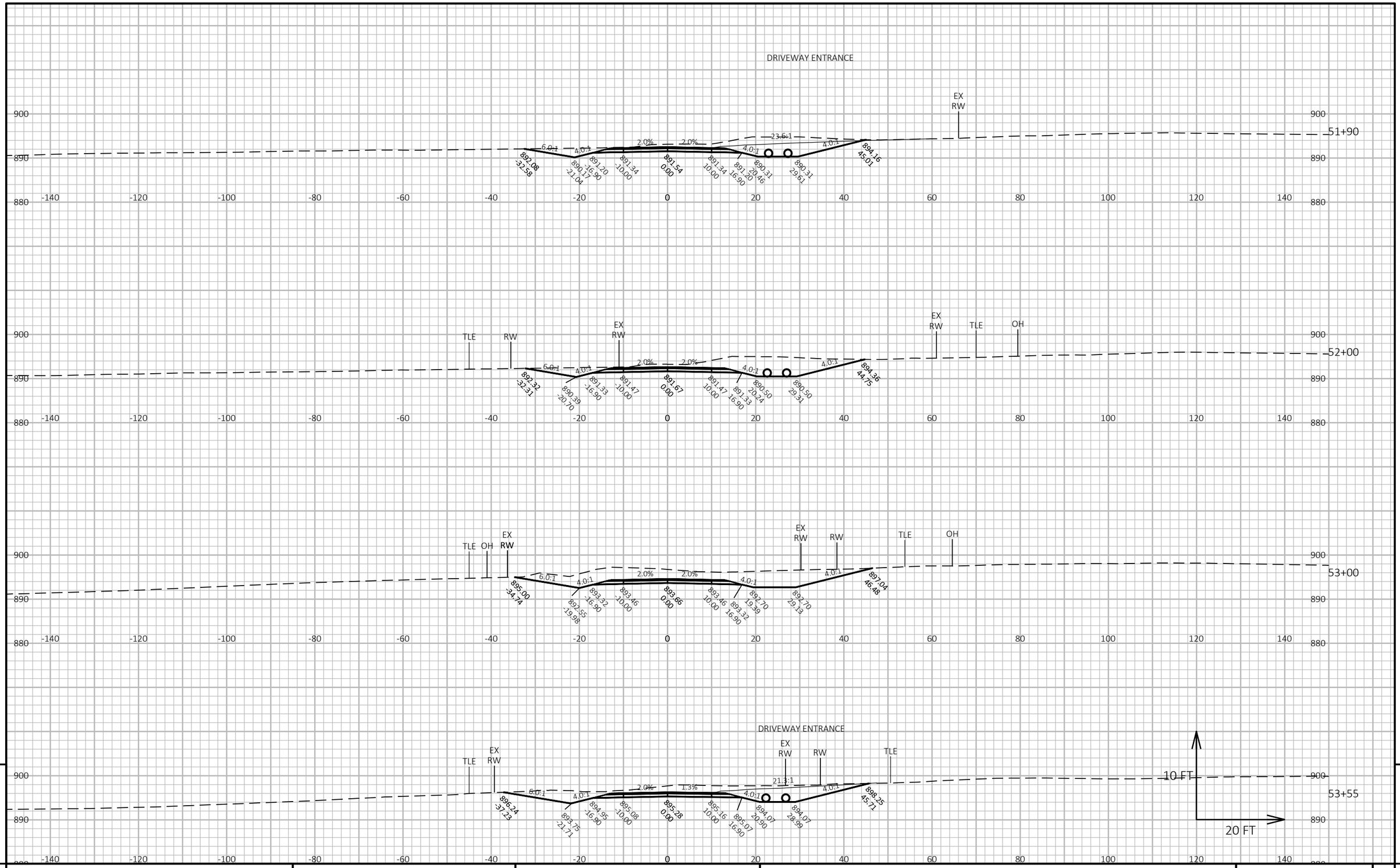
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: FRENCHTOWN RD	SHEET 703	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-Frenchtown-7

PLOT DATE : 4/5/2021 5:40 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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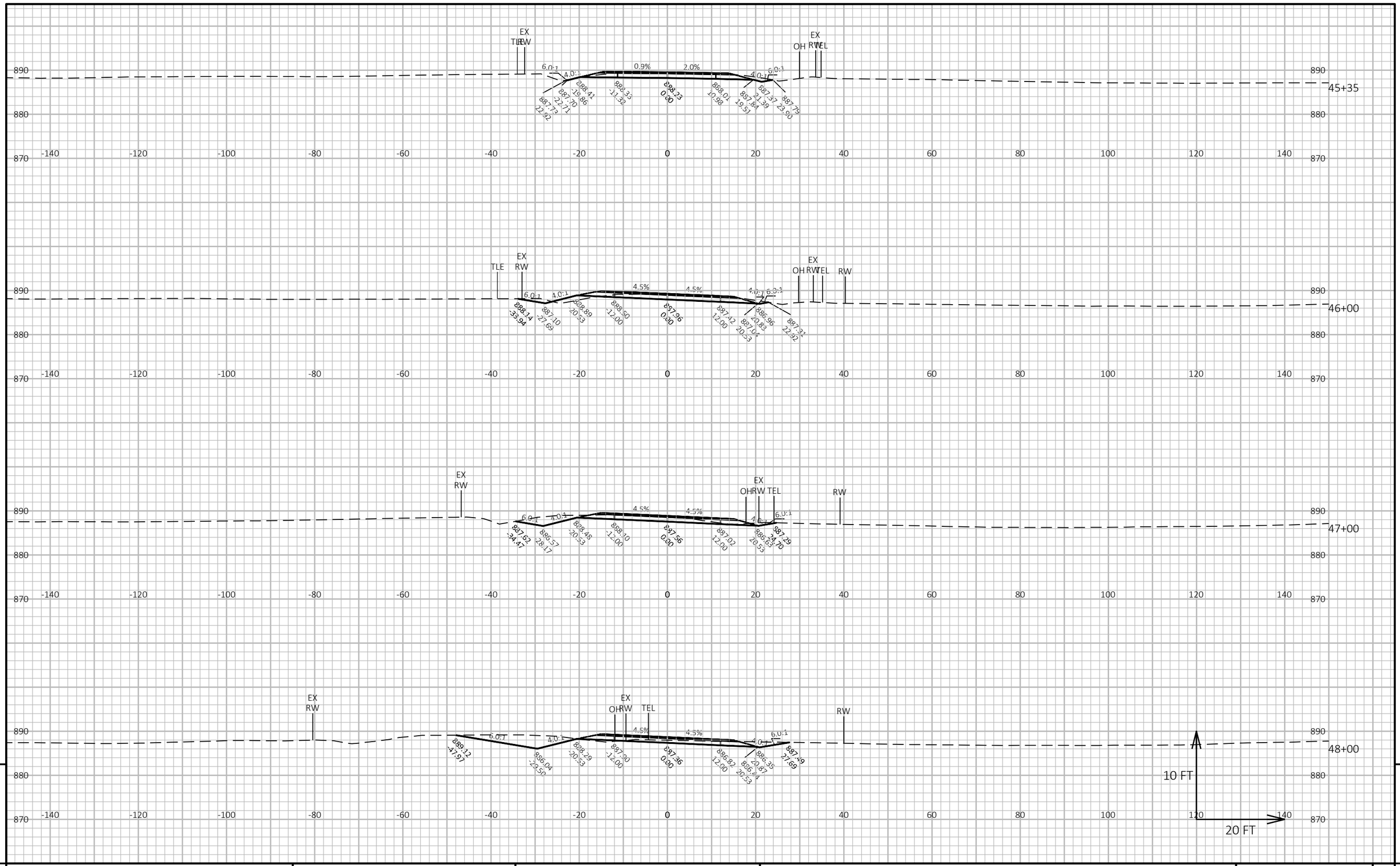
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: FRENCHTOWN RD	SHEET 704	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-Frenchtown-6

PLOT DATE : 4/5/2021 5:40 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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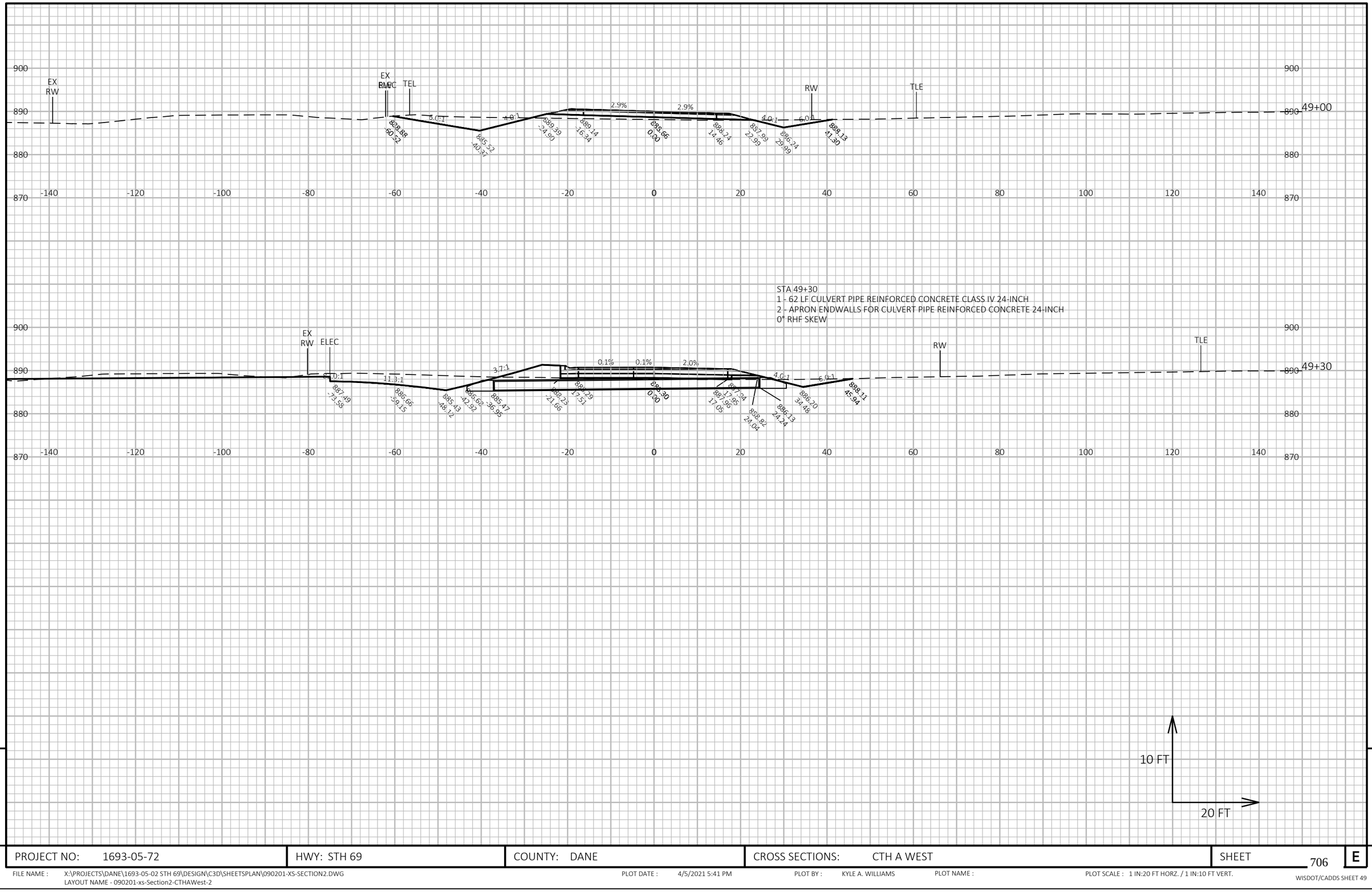
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: CTH A WEST	SHEET 705	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-CTHAWest-1

PLOT DATE : 4/5/2021 5:41 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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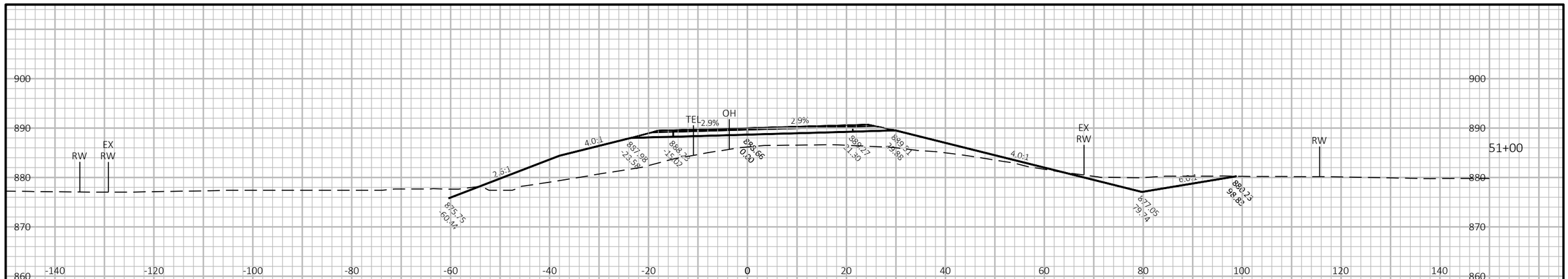
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: CTH A WEST	SHEET 706	E

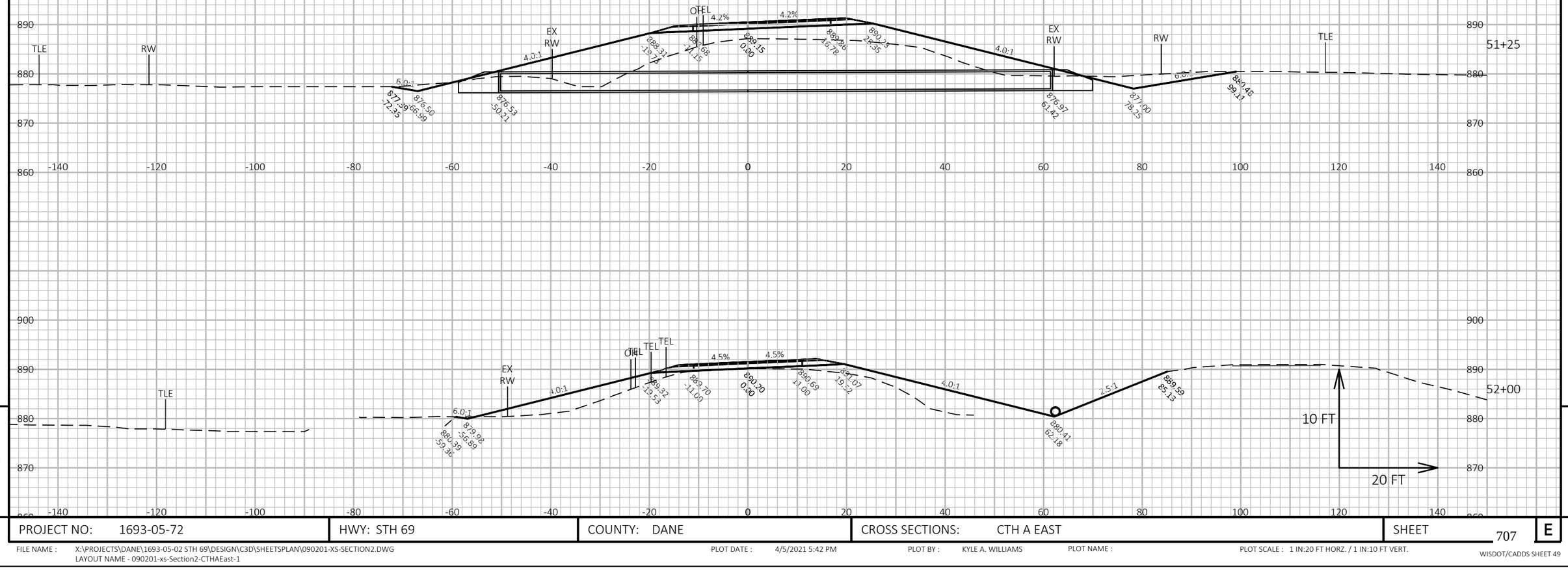
FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-CTHAWest-2

PLOT DATE : 4/5/2021 5:41 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



STA 51+25
1 - 112 LF CULVERT PIPE REINFORCED CONCRETE CLASS III 42-INCH
2 - APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 42-INCH
0° RHF SKEW



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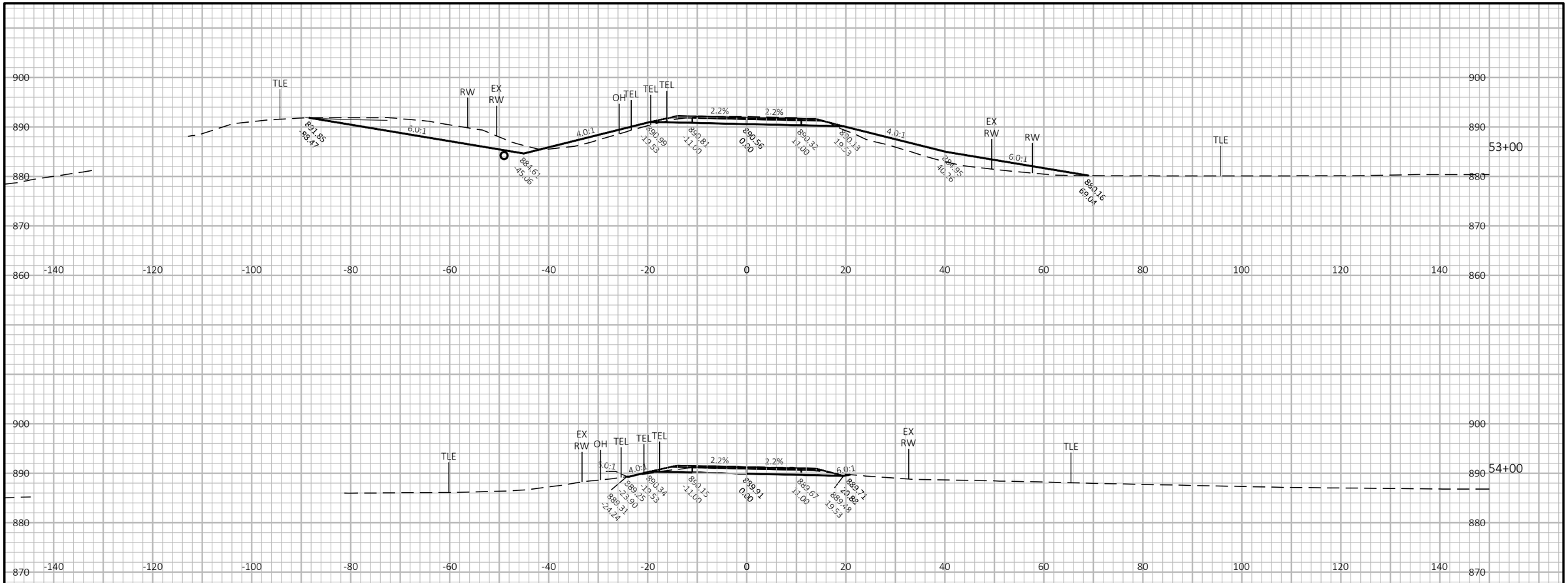
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: CTH A EAST	SHEET 707	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-CTHAEast-1

PLOT DATE : 4/5/2021 5:42 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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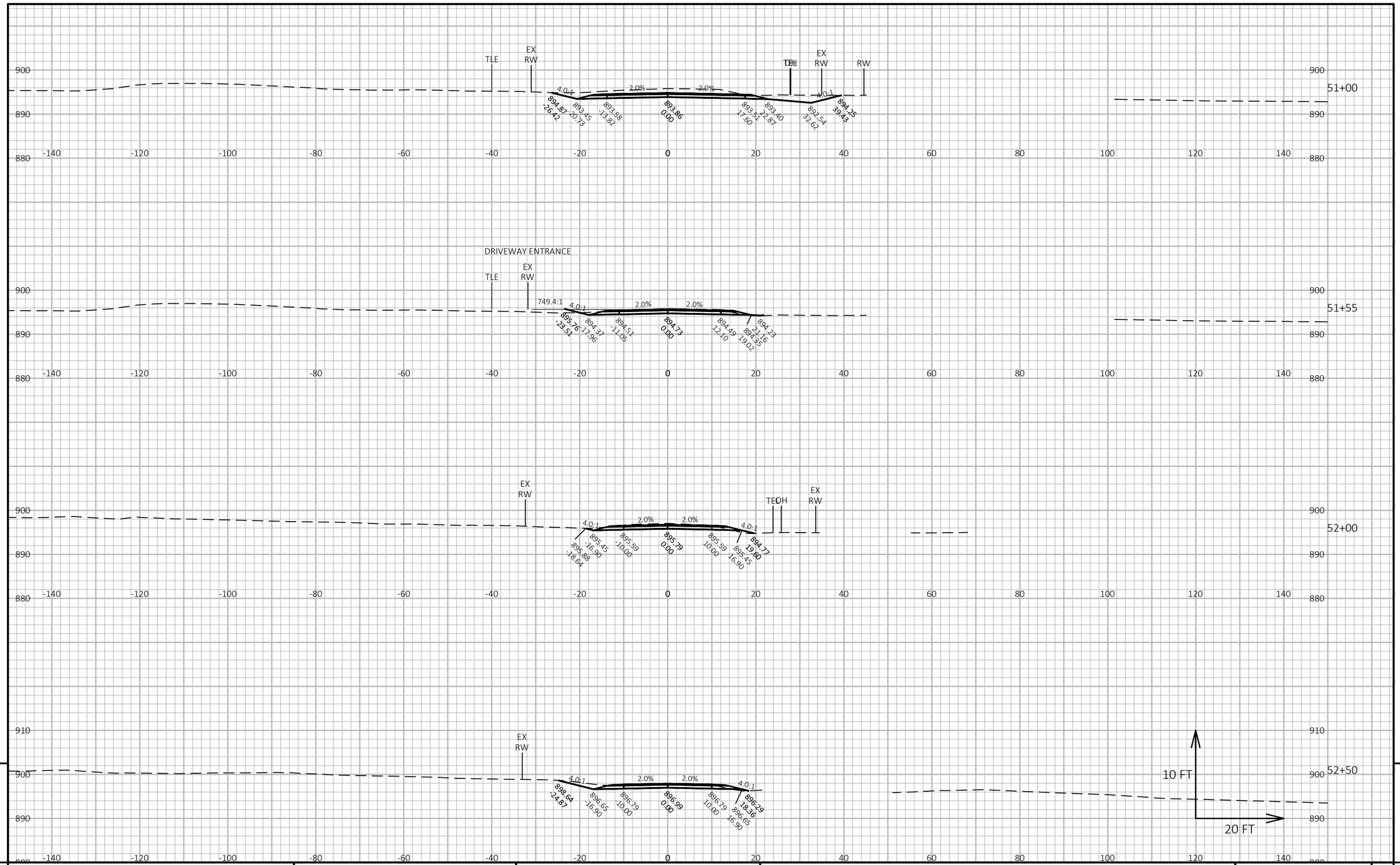
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: CTH A EAST	SHEET 708	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-CTHAEast-2

PLOT DATE : 4/5/2021 5:42 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



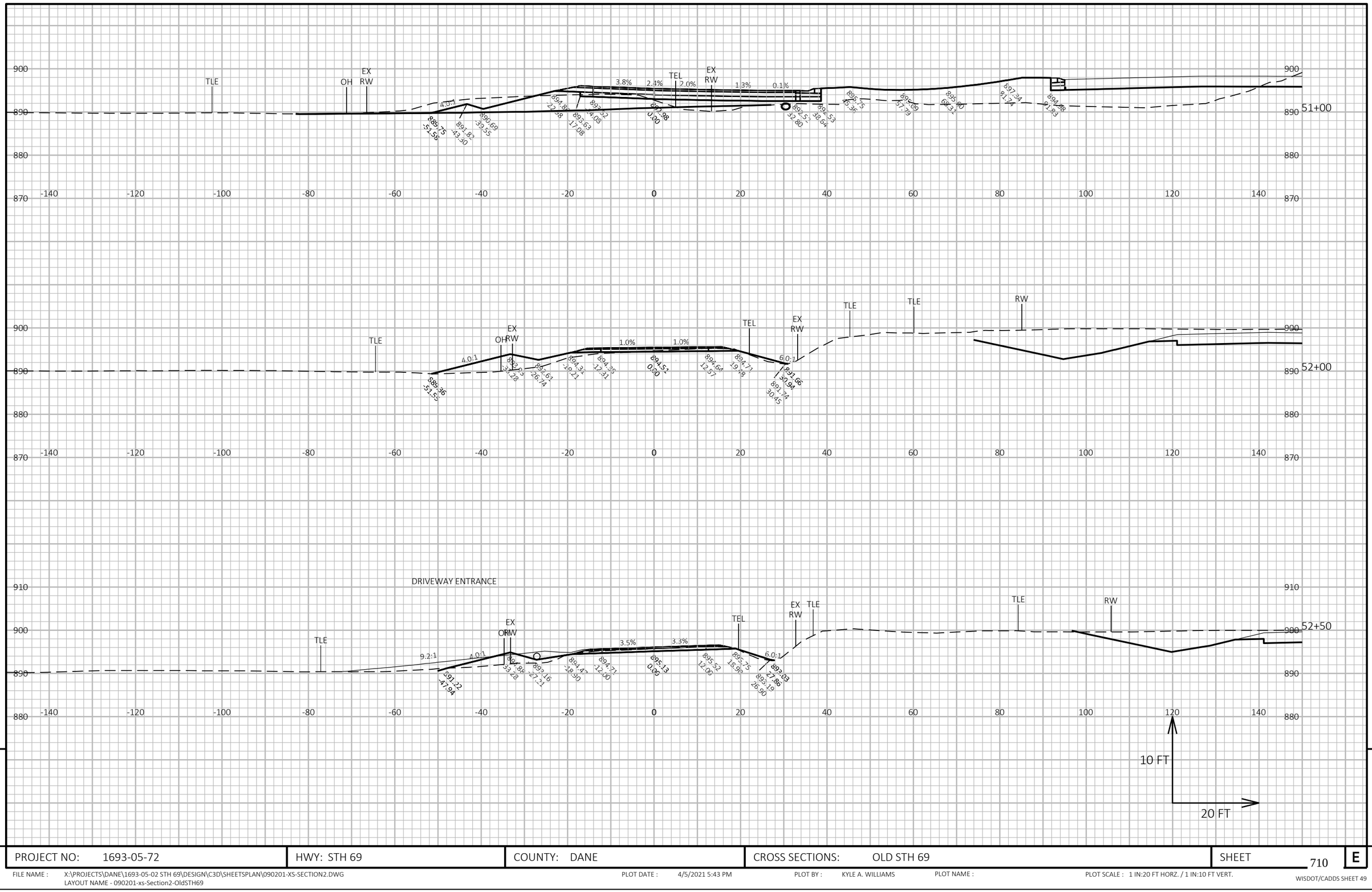
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: HENRY RD	SHEET 709 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-Henry-1

PLOT DATE : 4/5/2021 5:43 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9 9



9

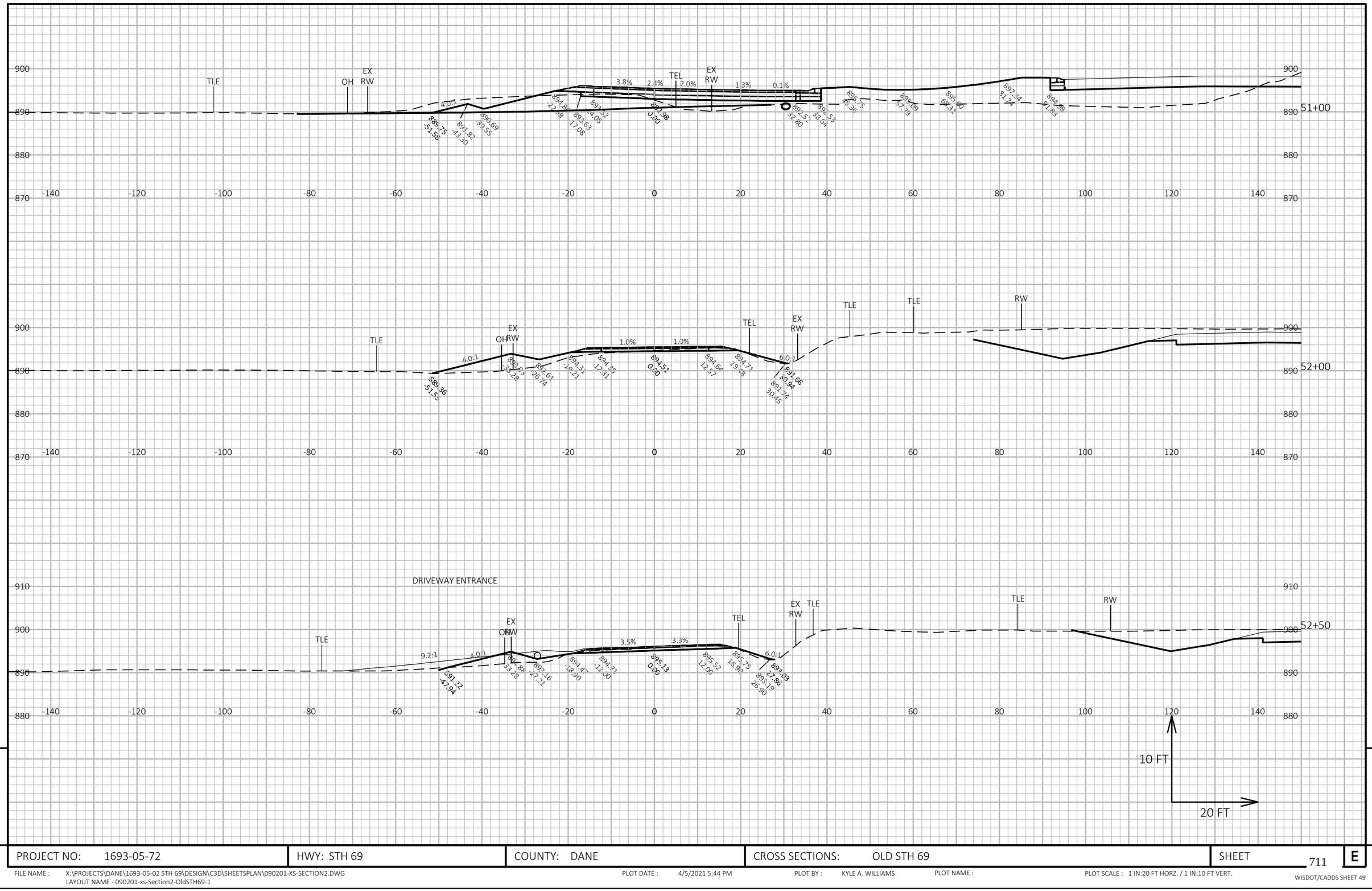
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: OLD STH 69	SHEET 710	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-OldSTH69

PLOT DATE : 4/5/2021 5:43 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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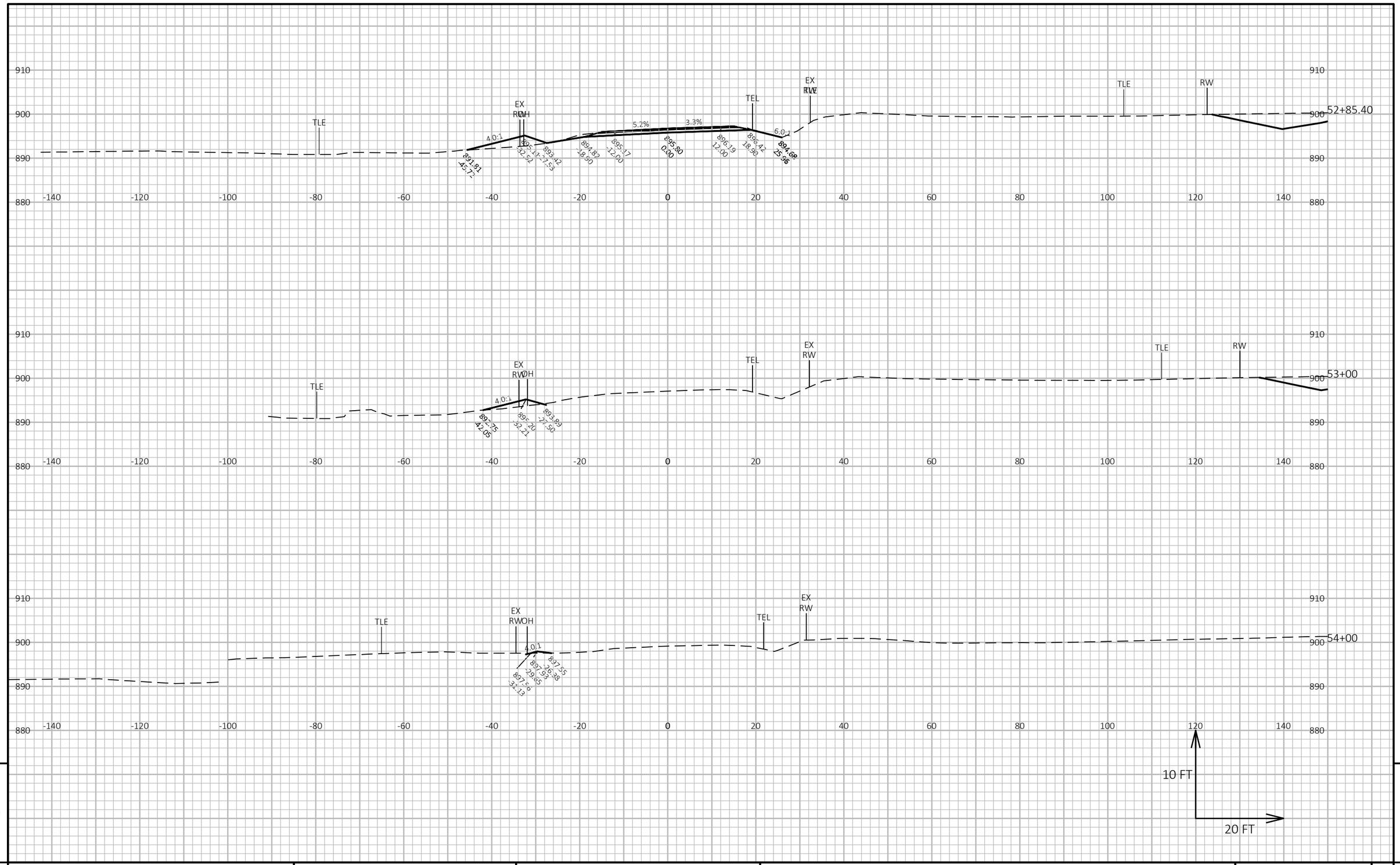
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: OLD STH 69	SHEET 711	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-OldSTH69-1

PLOT DATE : 4/5/2021 5:44 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



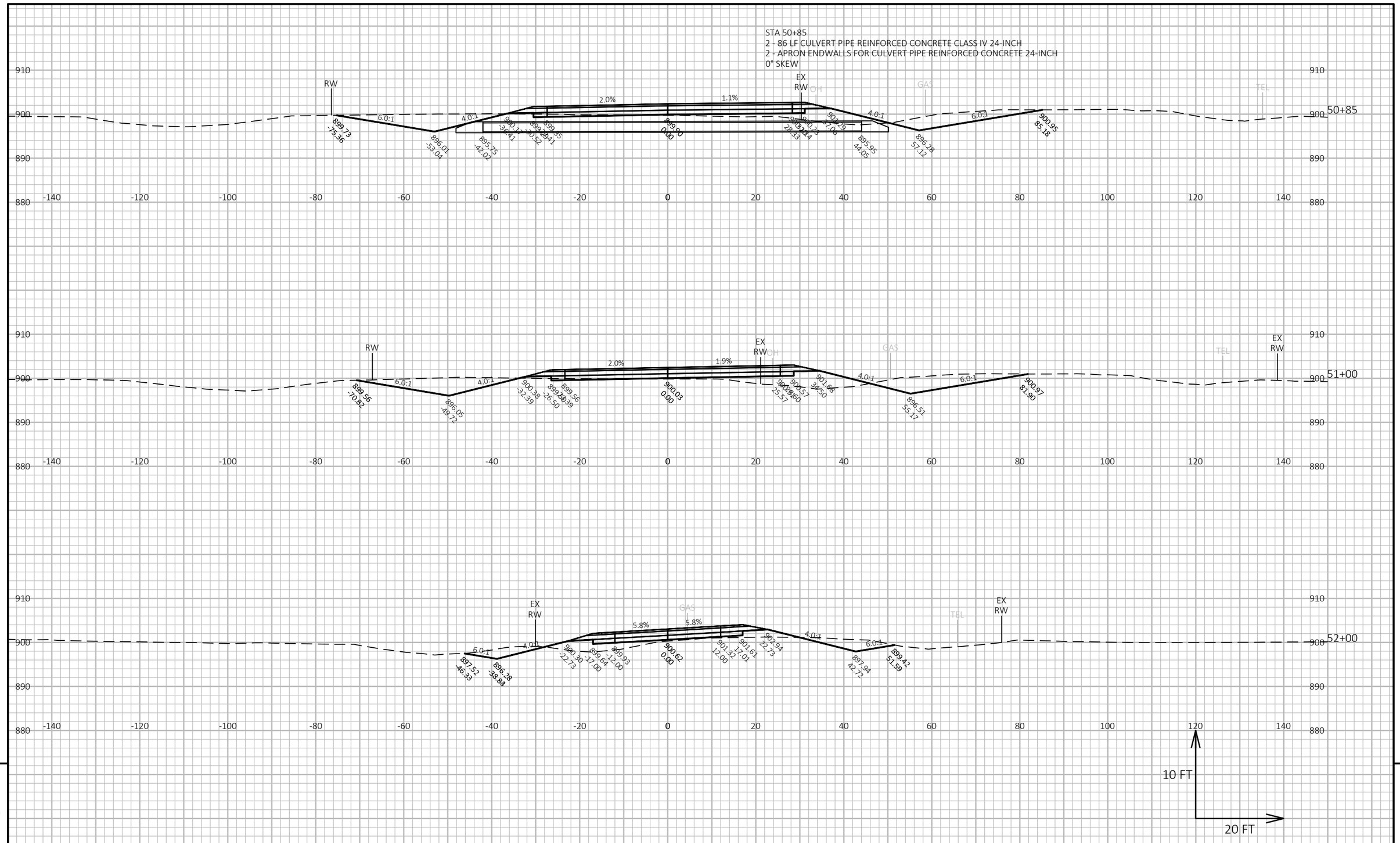
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: OLD STH 69	SHEET 712	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION2.DWG
LAYOUT NAME - 090201-xs-Section2-OldSTH69-2

PLOT DATE : 4/5/2021 5:44 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

STA 50+85
2 - 86 LF CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH
2 - APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH
0° SKEW

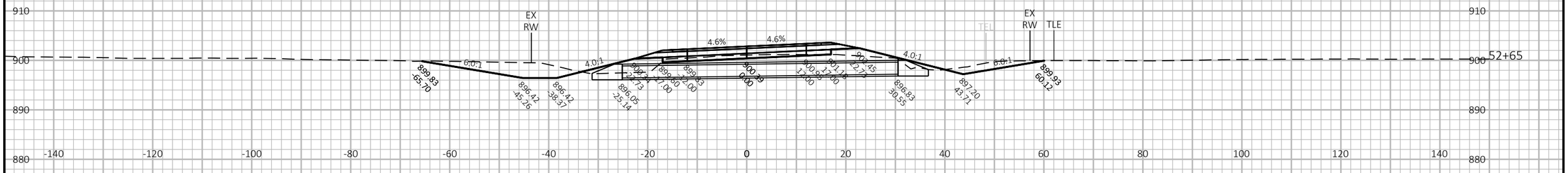


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: DIANE AVE	SHEET 713 E

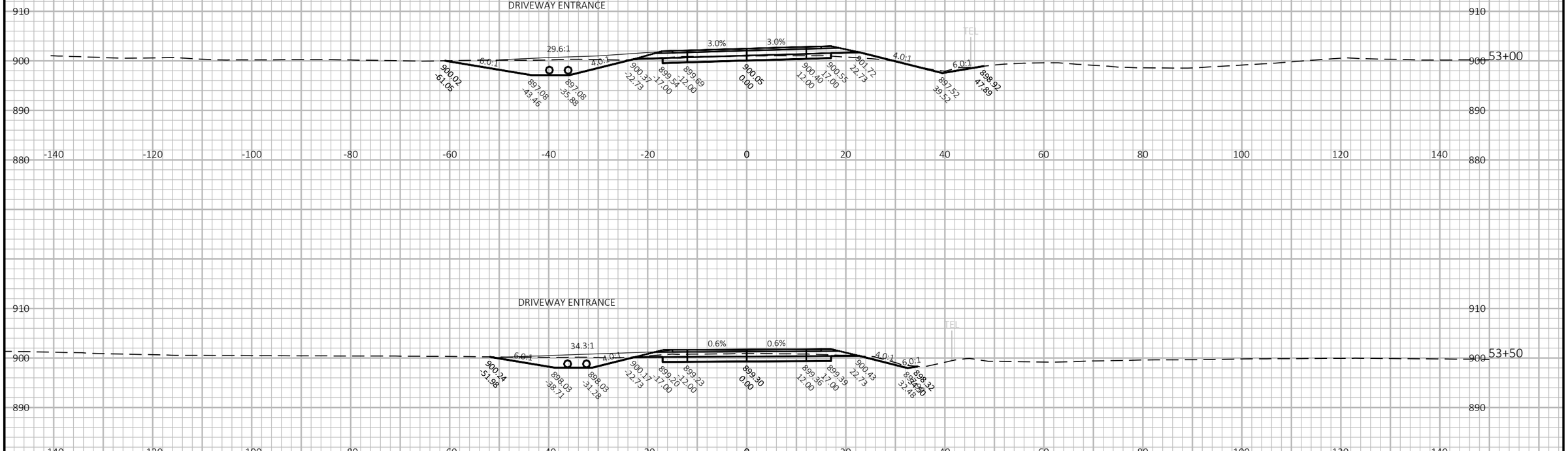
FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-DianeAve-1
PLOT DATE : 4/5/2021 5:45 PM
PLOT BY : KYLE A. WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

9

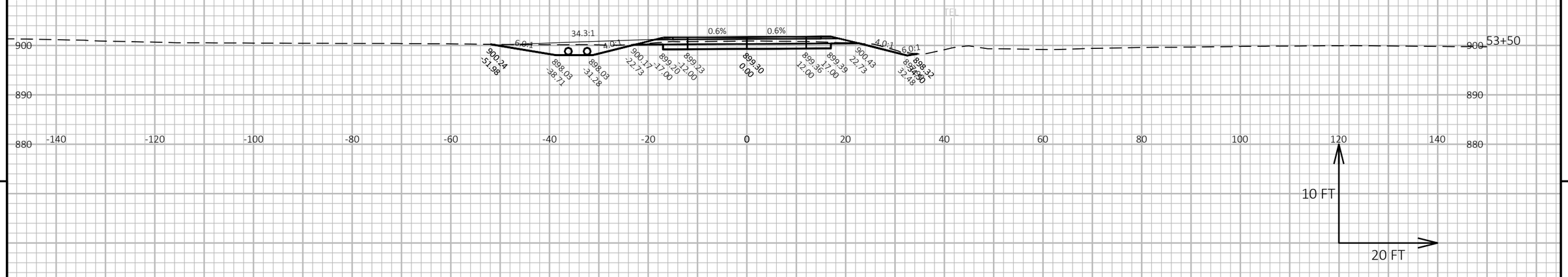
STA 52+65
3 - 56 LF CULVERT PIPE REINFORCED CONCRETE CLASS HE-IV 29X45-INCH
3 - APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 29X45-INCH
0° SKEW



DRIVEWAY ENTRANCE



DRIVEWAY ENTRANCE



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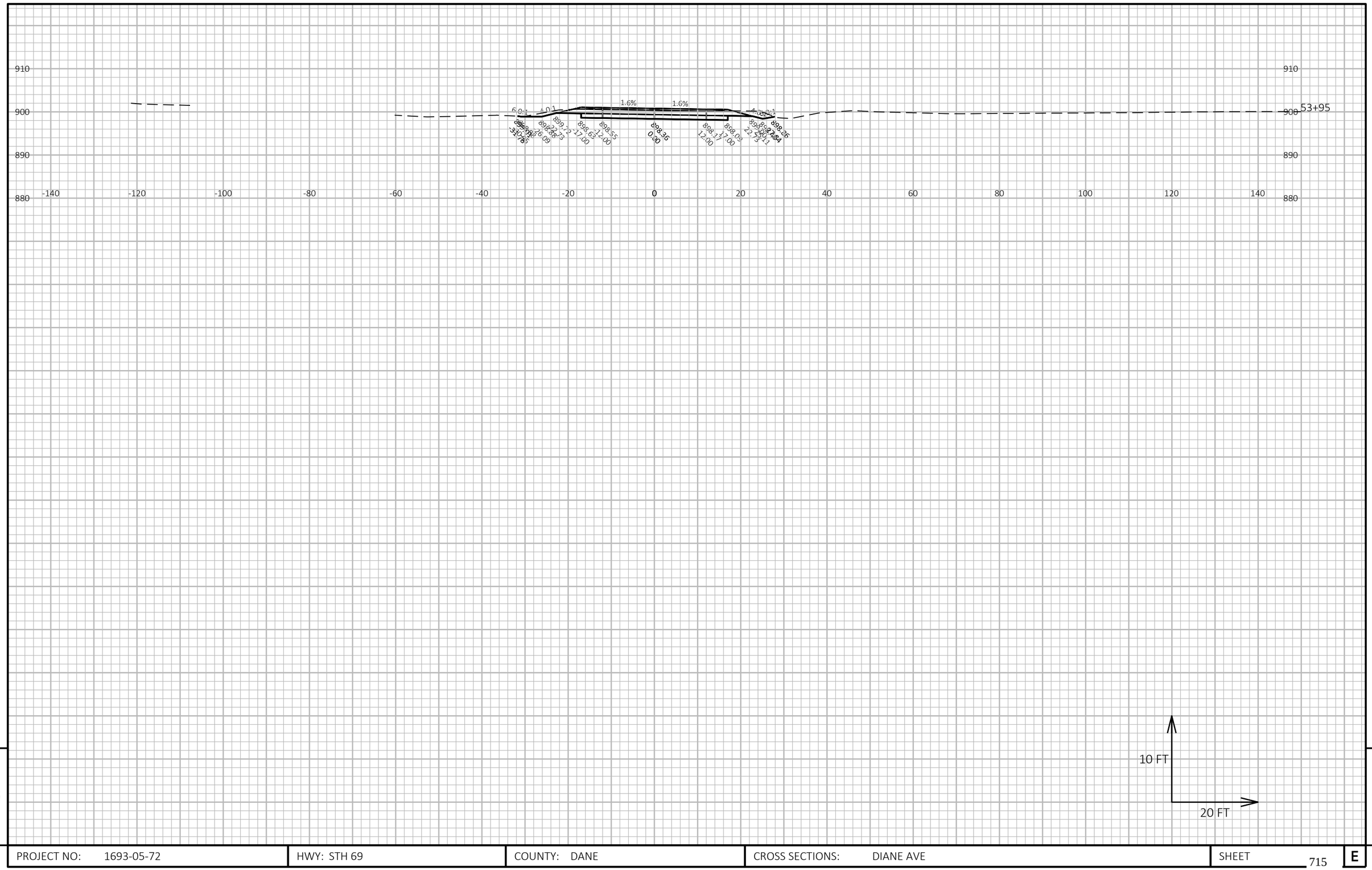
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: DIANE AVE	SHEET 714	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-DianeAve-2

PLOT DATE : 4/5/2021 5:45 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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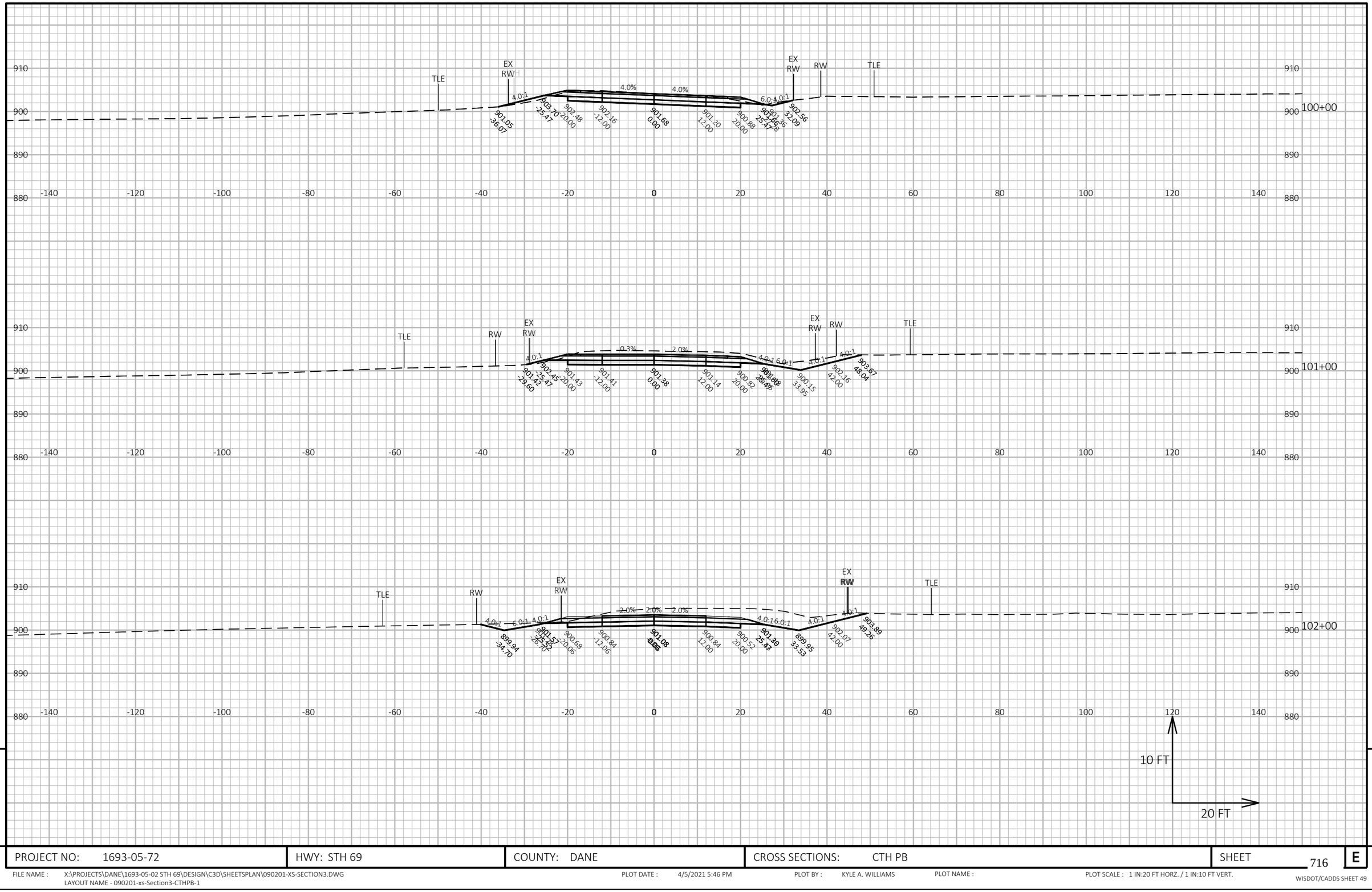
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: DIANE AVE	SHEET 715	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-DianeAve-3

PLOT DATE : 4/5/2021 5:46 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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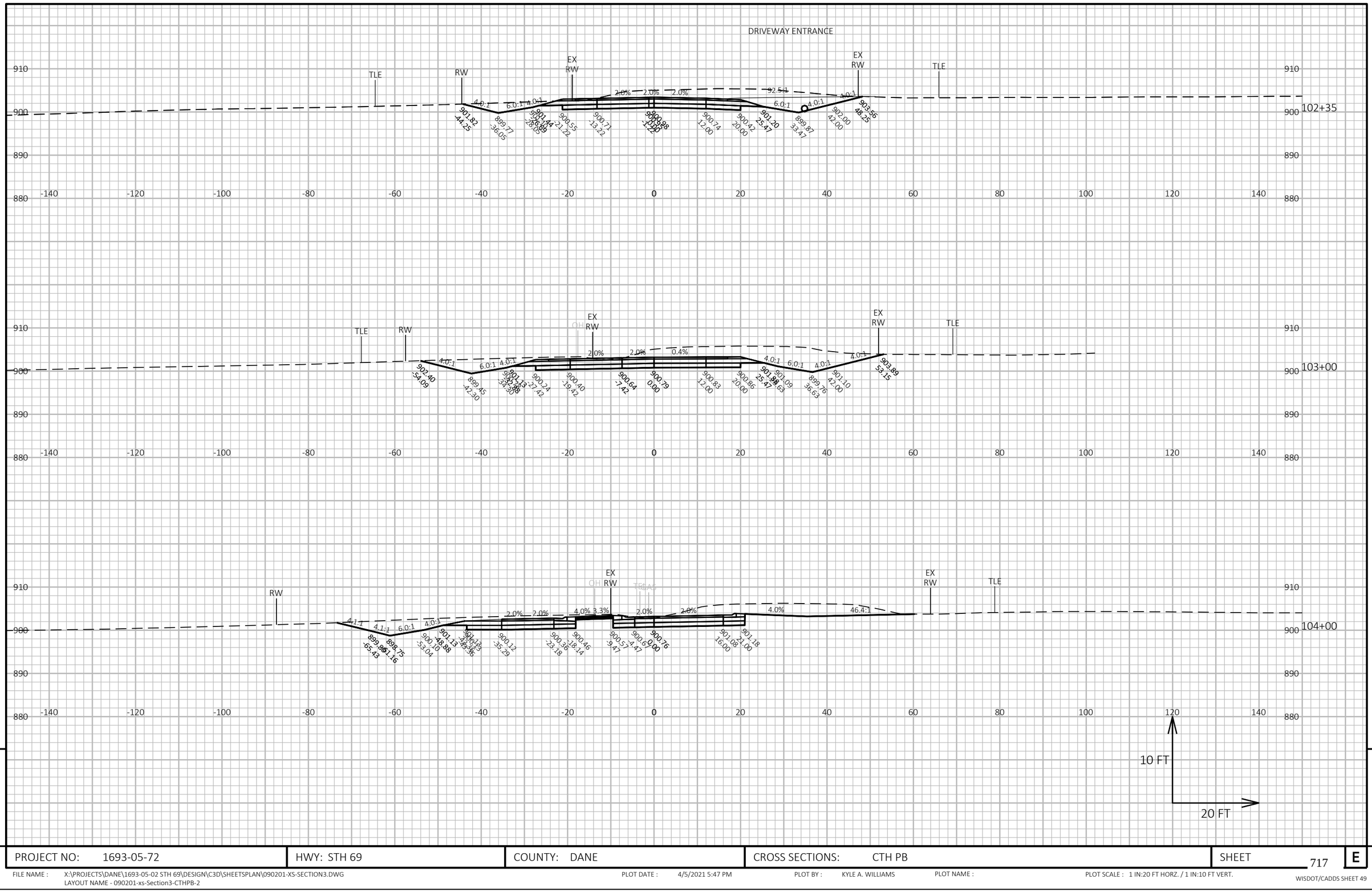
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: CTH PB	SHEET 716	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-CTHPB-1

PLOT DATE : 4/5/2021 5:46 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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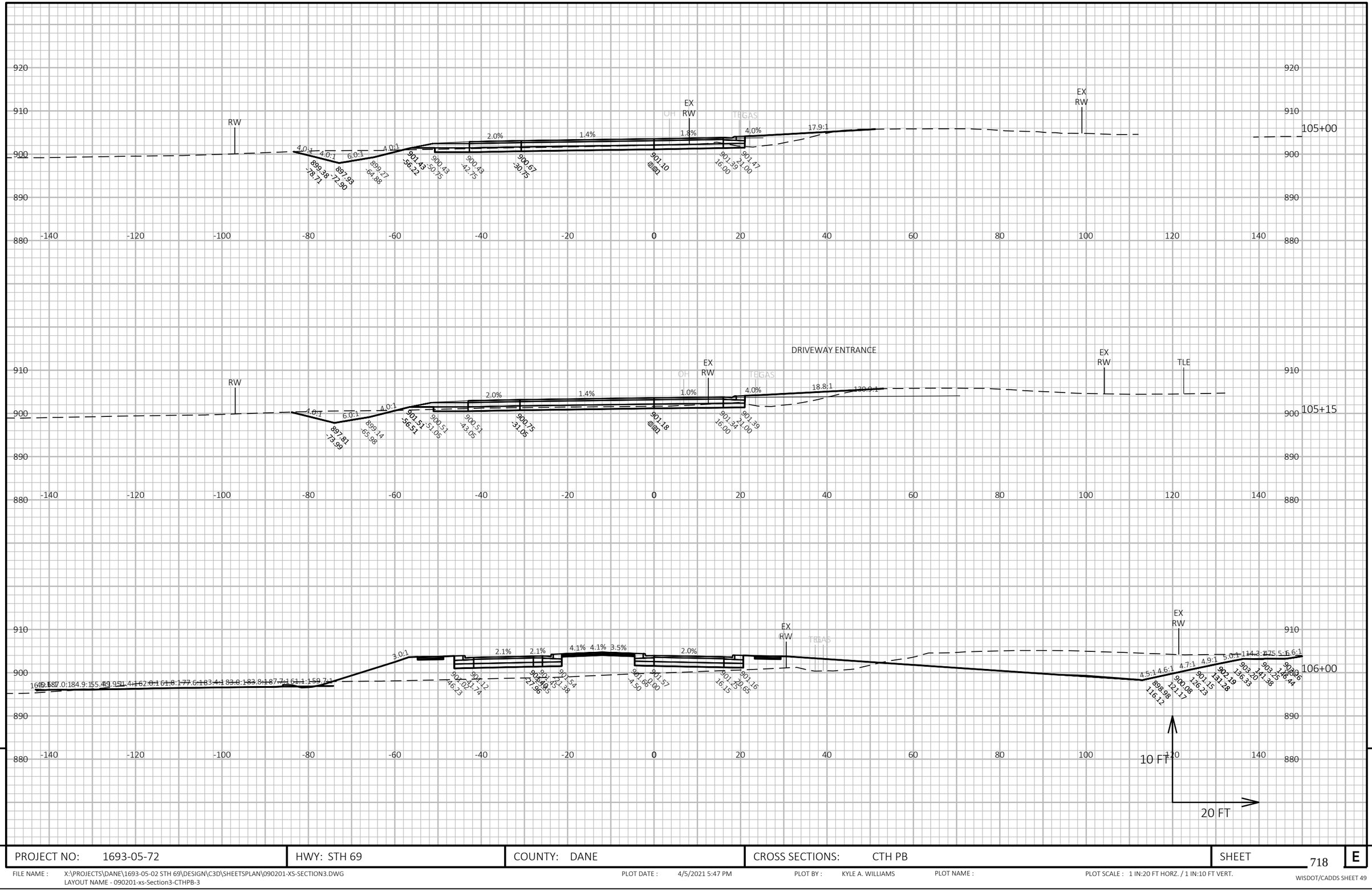
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: CTH PB	SHEET 717	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-CTHPB-2

PLOT DATE : 4/5/2021 5:47 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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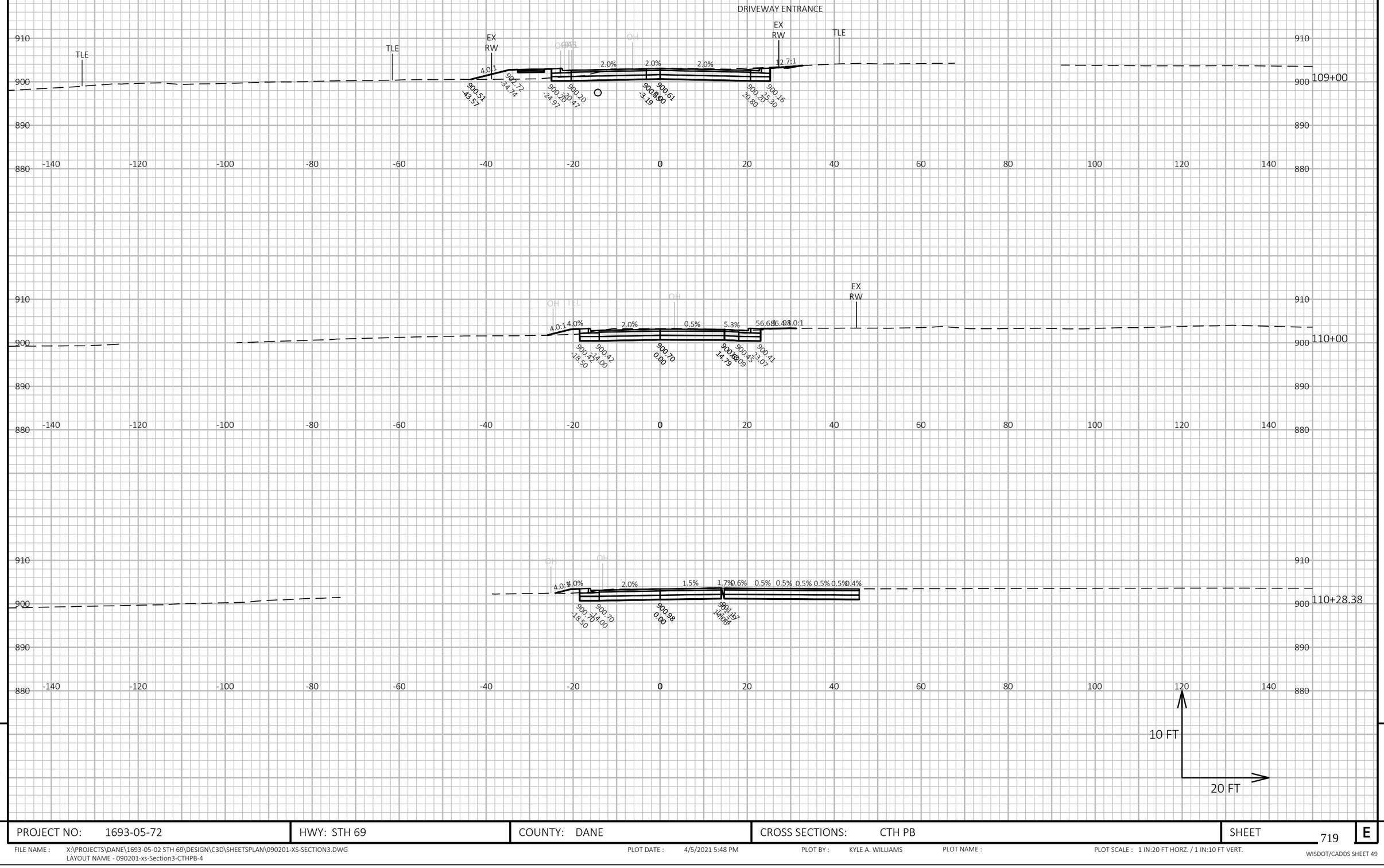
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: CTH PB	SHEET 718	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-CTHPB-3

PLOT DATE : 4/5/2021 5:47 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

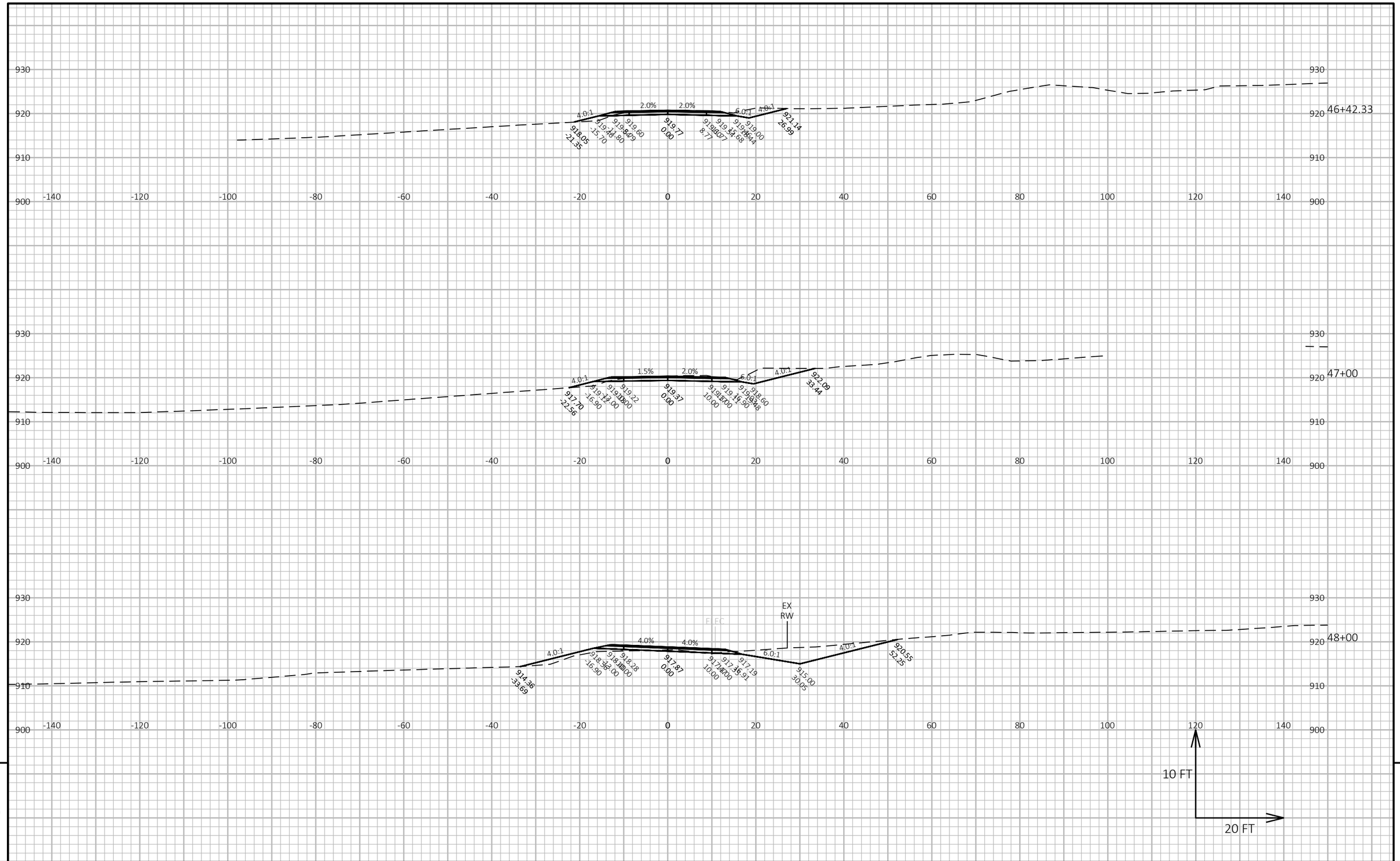


PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: CTH PB	SHEET 719 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-CTHPB-4

PLOT DATE : 4/5/2021 5:48 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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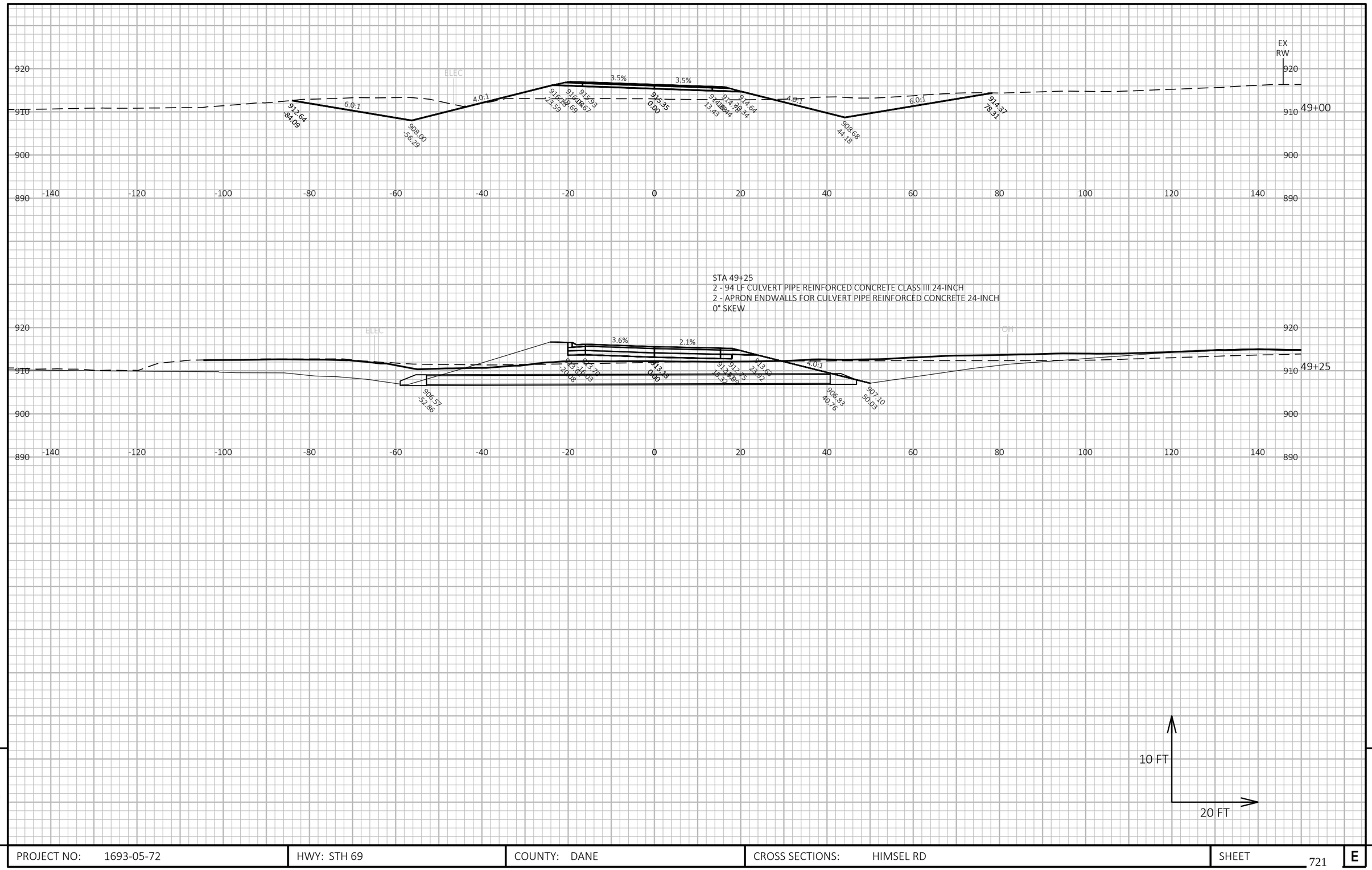
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: HIMSEL RD	SHEET 720	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-HimselRd-1

PLOT DATE : 4/5/2021 5:48 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



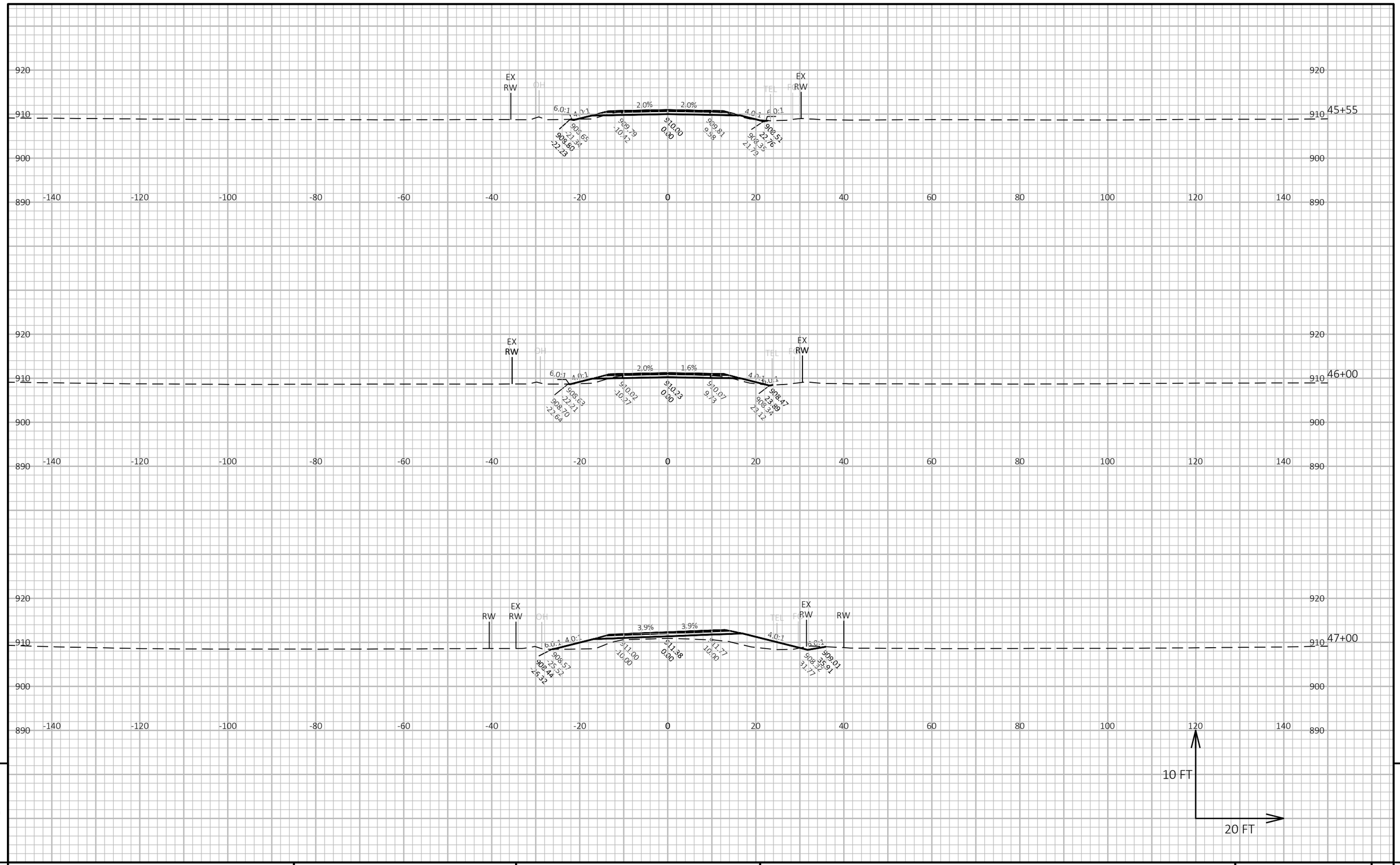
9

9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: HIMSEL RD	SHEET 721	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION3.DWG
LAYOUT NAME - 090201-xs-Section3-HimselRd-2

PLOT DATE : 4/5/2021 5:49 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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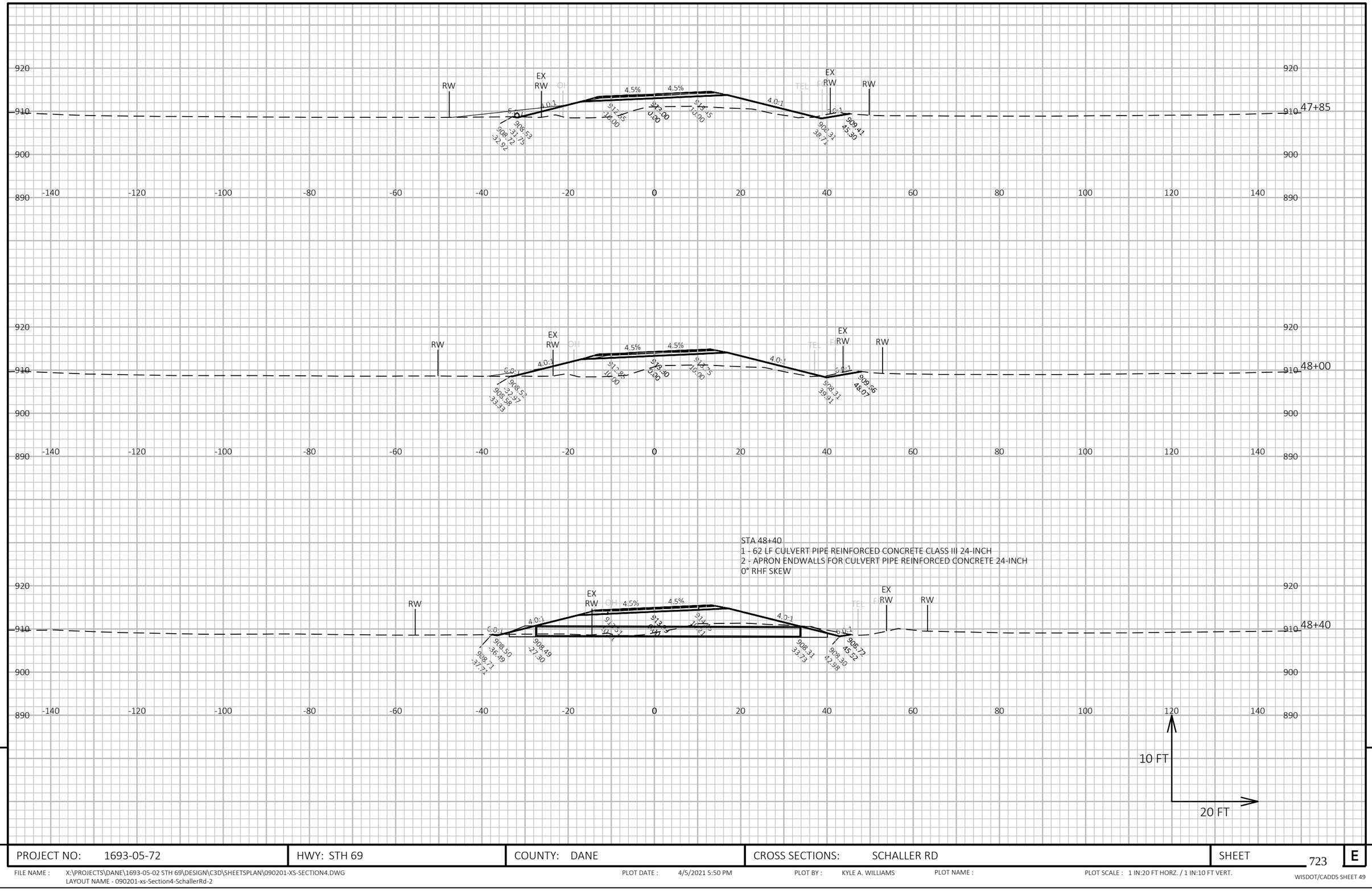
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: SCHALLER RD	SHEET 722	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-SchallerRd-1

PLOT DATE : 4/5/2021 5:50 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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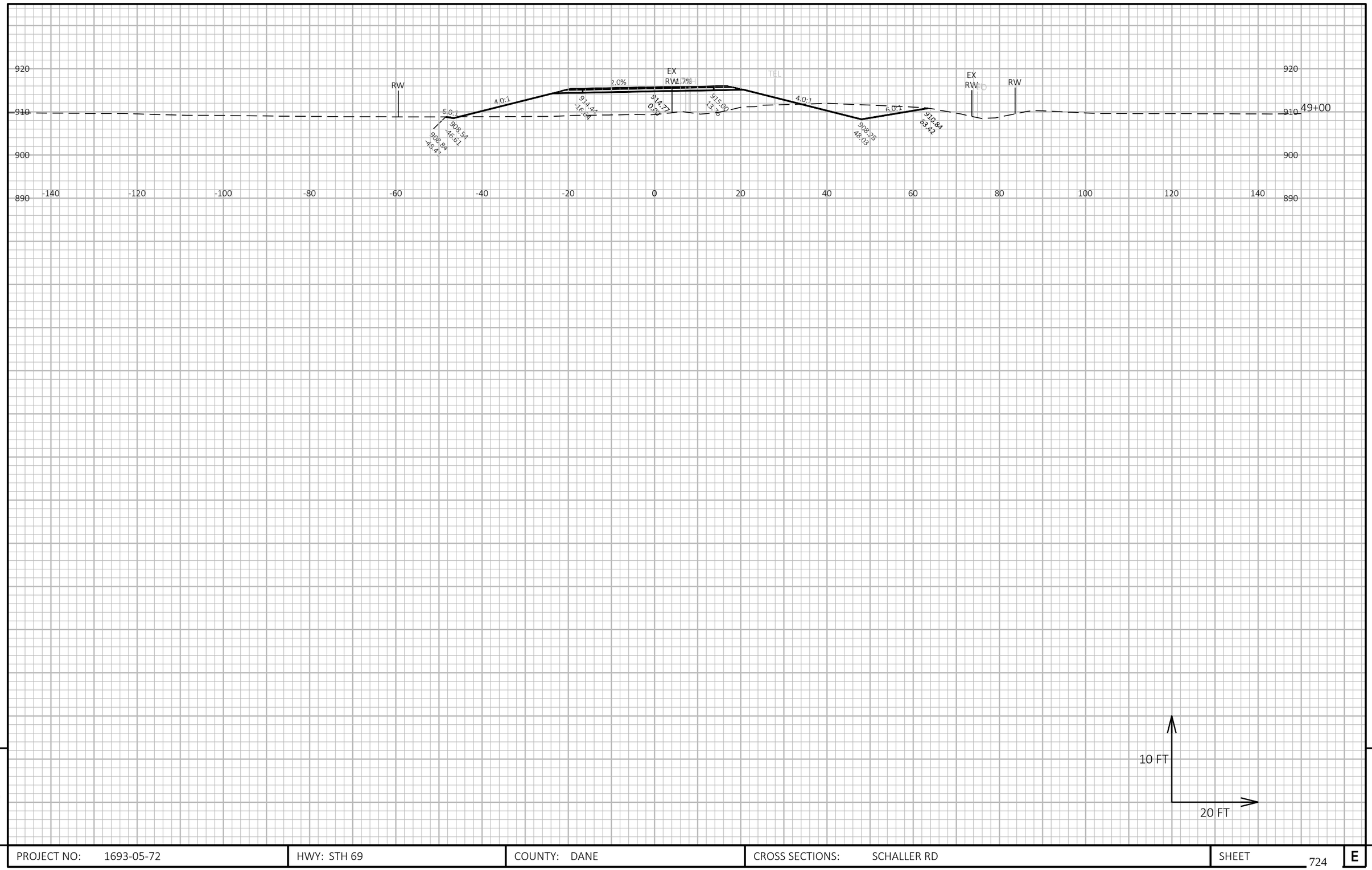
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: SCHALLER RD	SHEET 723	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-SchallerRd-2

PLOT DATE : 4/5/2021 5:50 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



10 FT

20 FT

9

9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: SCHALLER RD	SHEET 724	E

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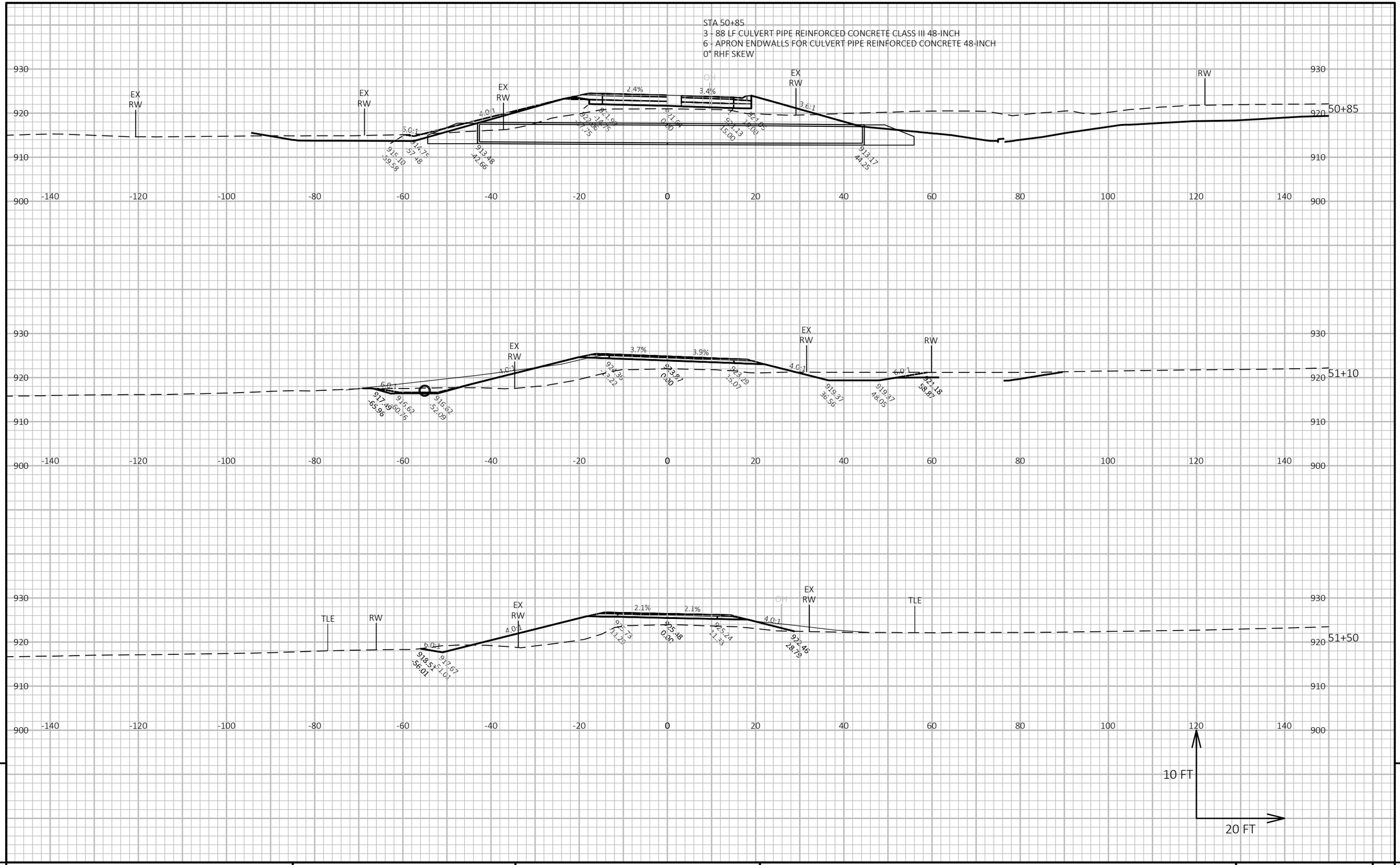
LAYOUT NAME - 090201-xs-Section4-SchallerRd-3

PLOT DATE : 4/5/2021 5:51 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

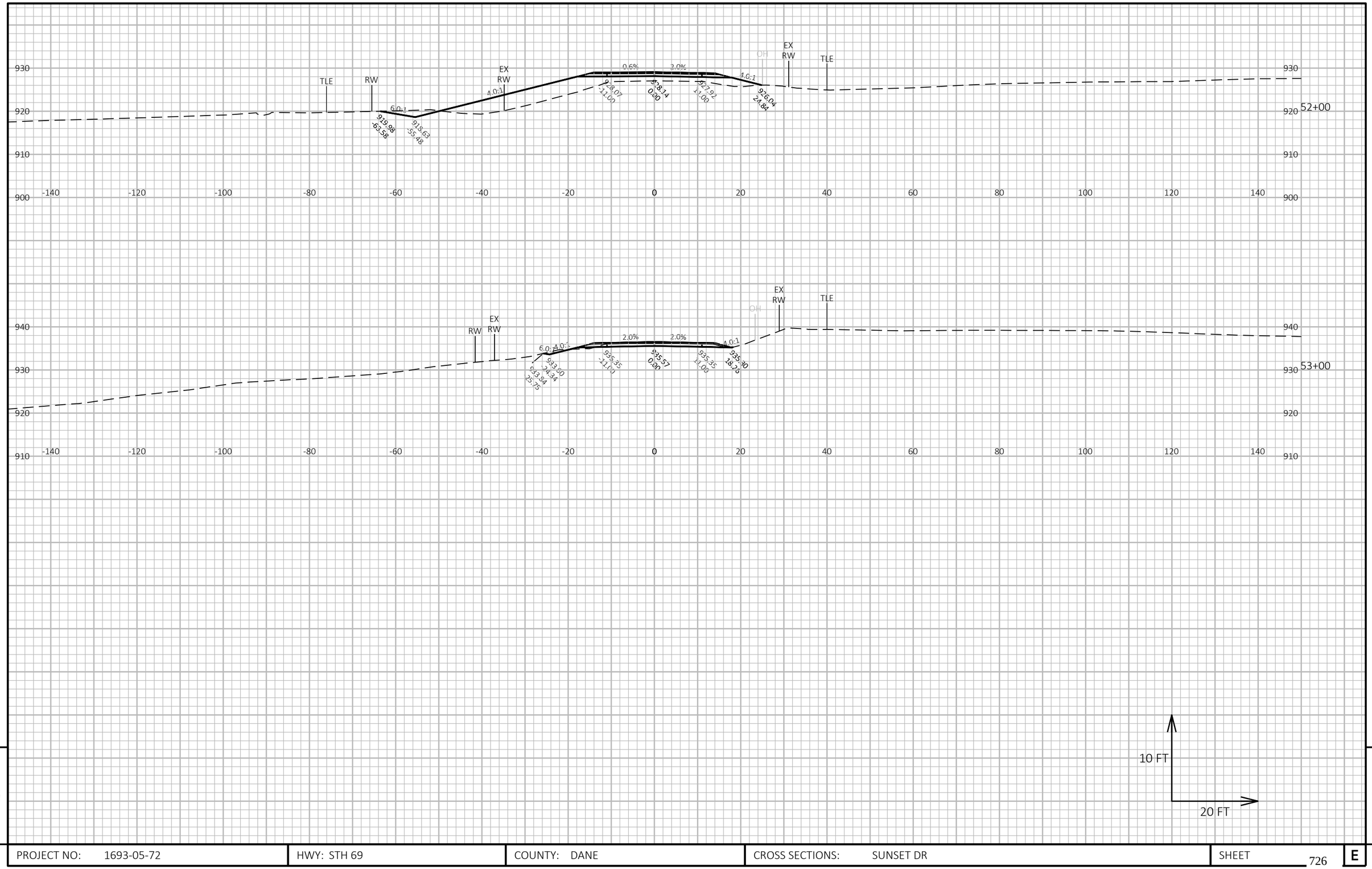
STA 50+85
3 - 88 LF CULVERT PIPE REINFORCED CONCRETE CLASS III 48-INCH
6 - APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 48-INCH
0° RHF SKEW



PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: SUNSET DR	SHEET 725 E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-SunsetDr-1
PLOT DATE : 4/5/2021 5:51 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

9 9



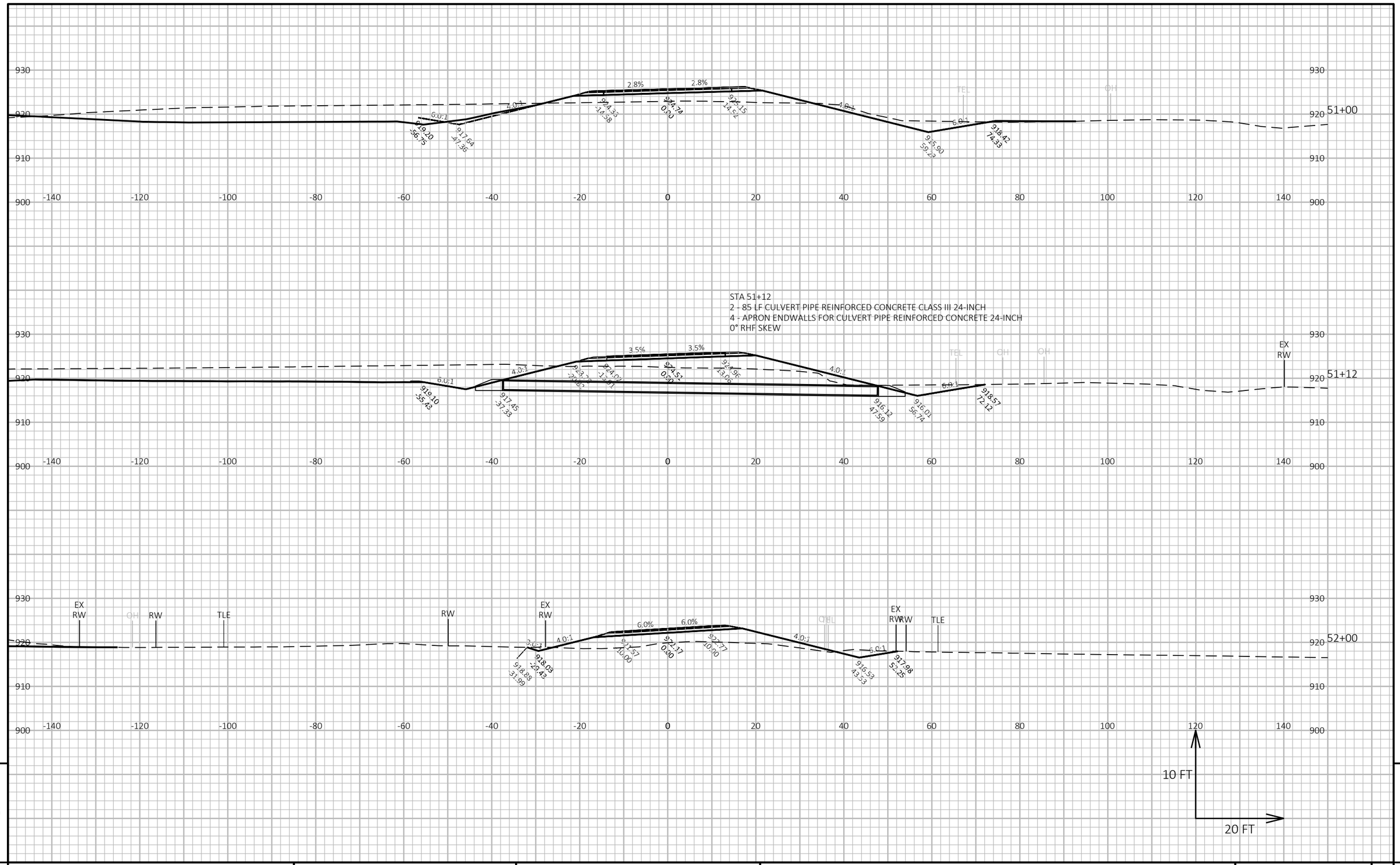
9

9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: SUNSET DR	SHEET 726	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-SunsetDr-2

PLOT DATE : 4/5/2021 5:52 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

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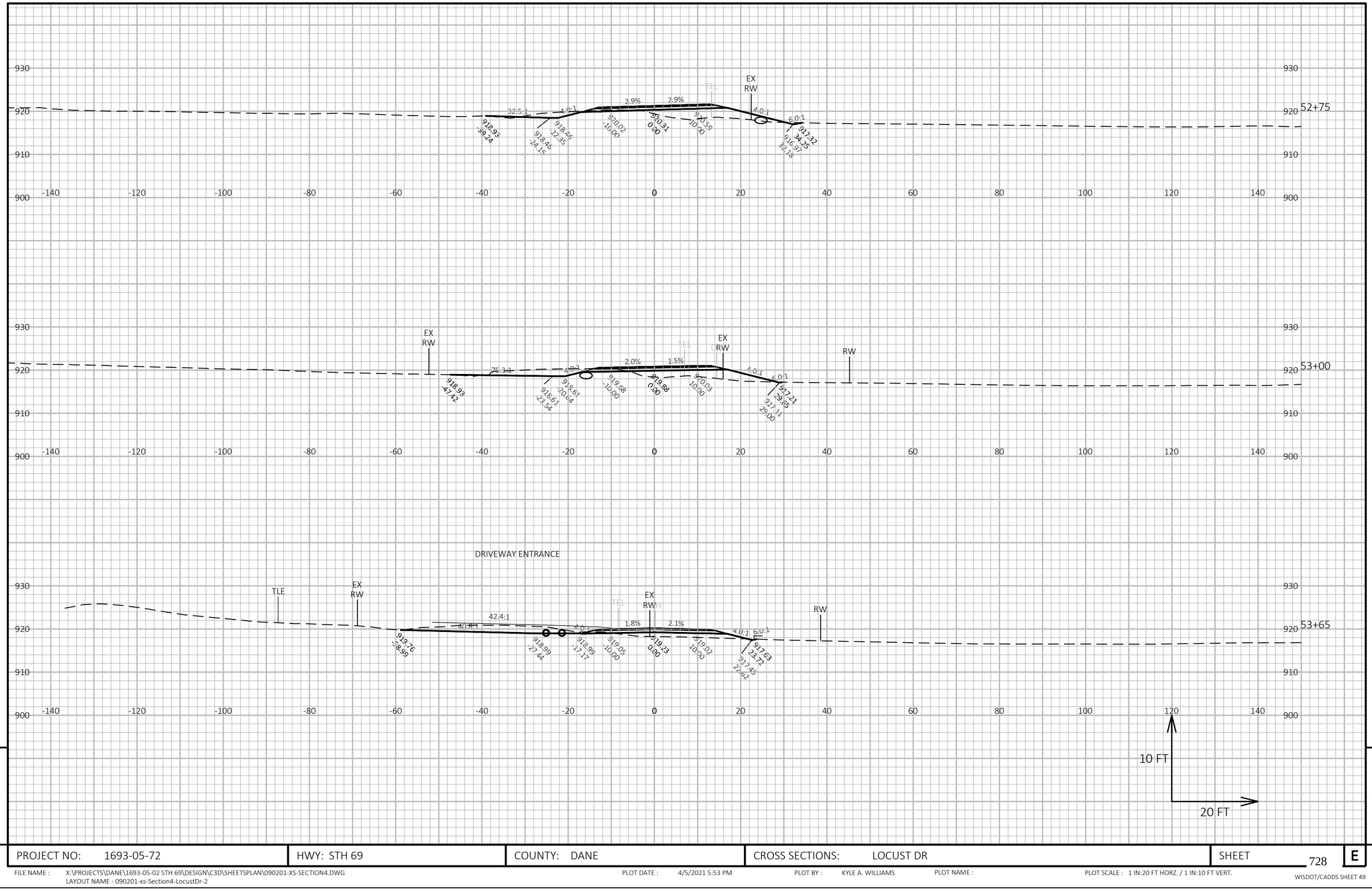
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: LOCUST DR	SHEET 727	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-LocustDr-1

PLOT DATE : 4/5/2021 5:52 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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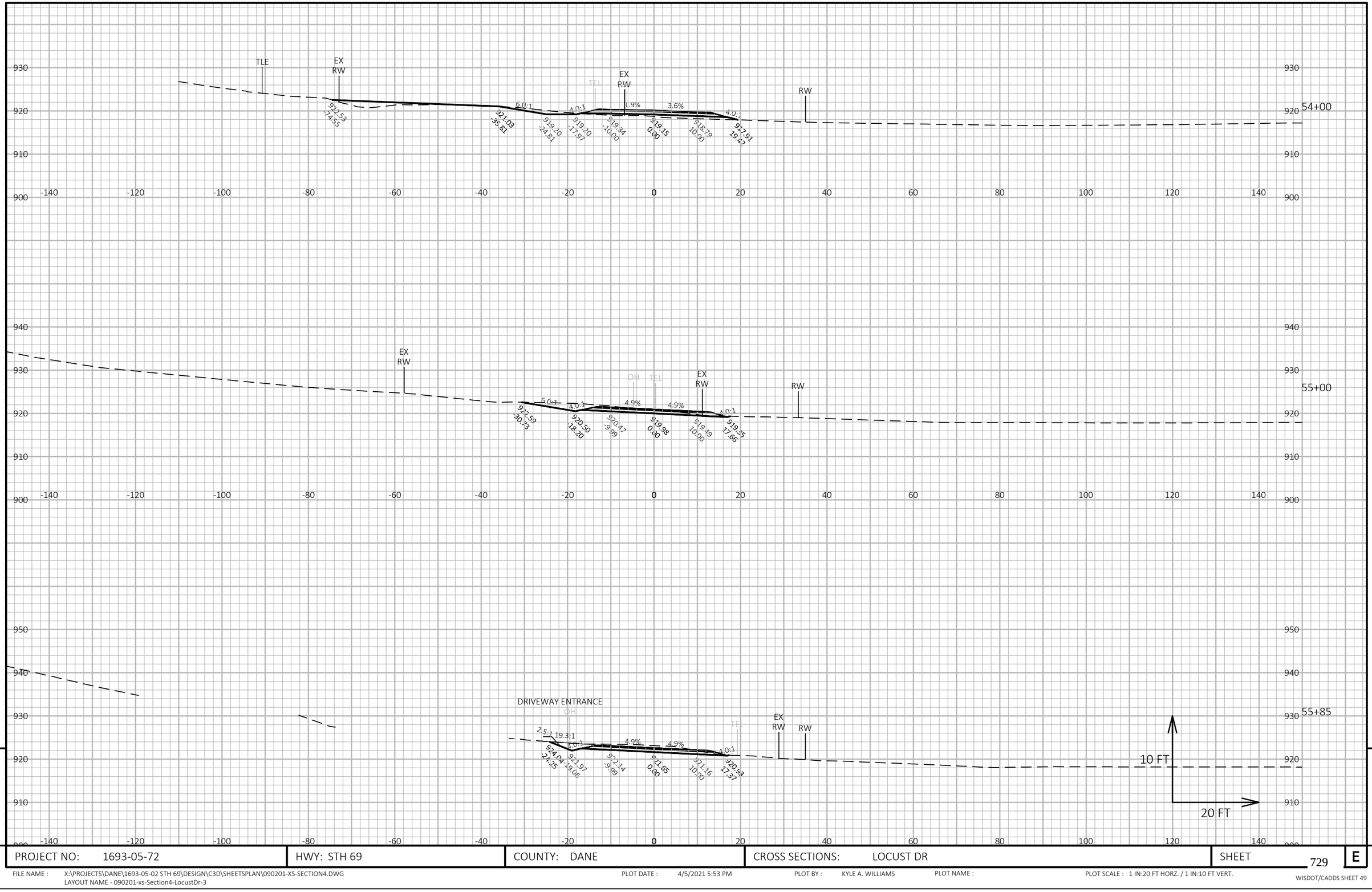
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: LOCUST DR	SHEET 728	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-LocustDr-2

PLOT DATE : 4/5/2021 5:53 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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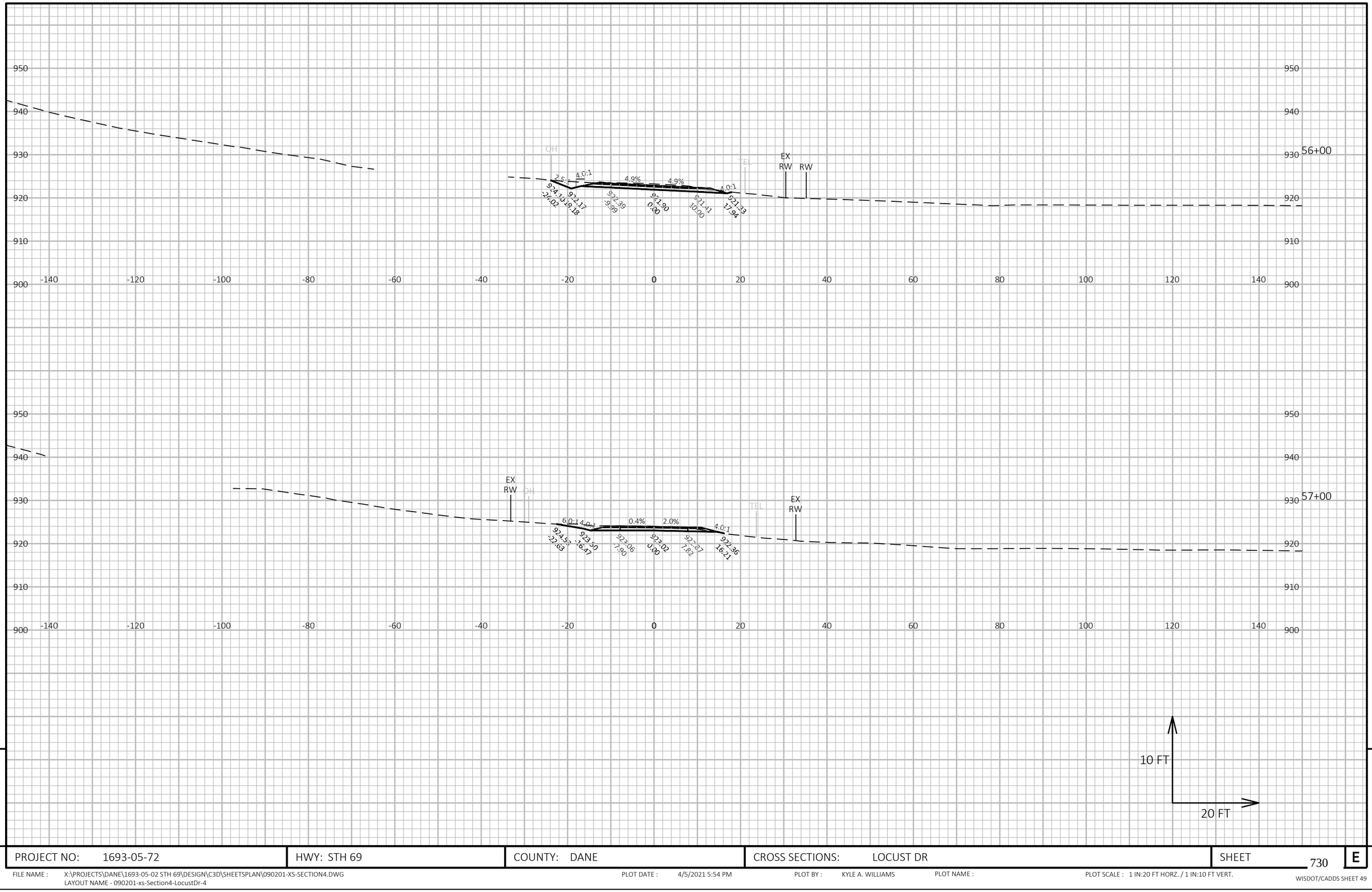
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: LOCUST DR	SHEET 729	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-LocustDr-3

PLOT DATE : 4/5/2021 5:53 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

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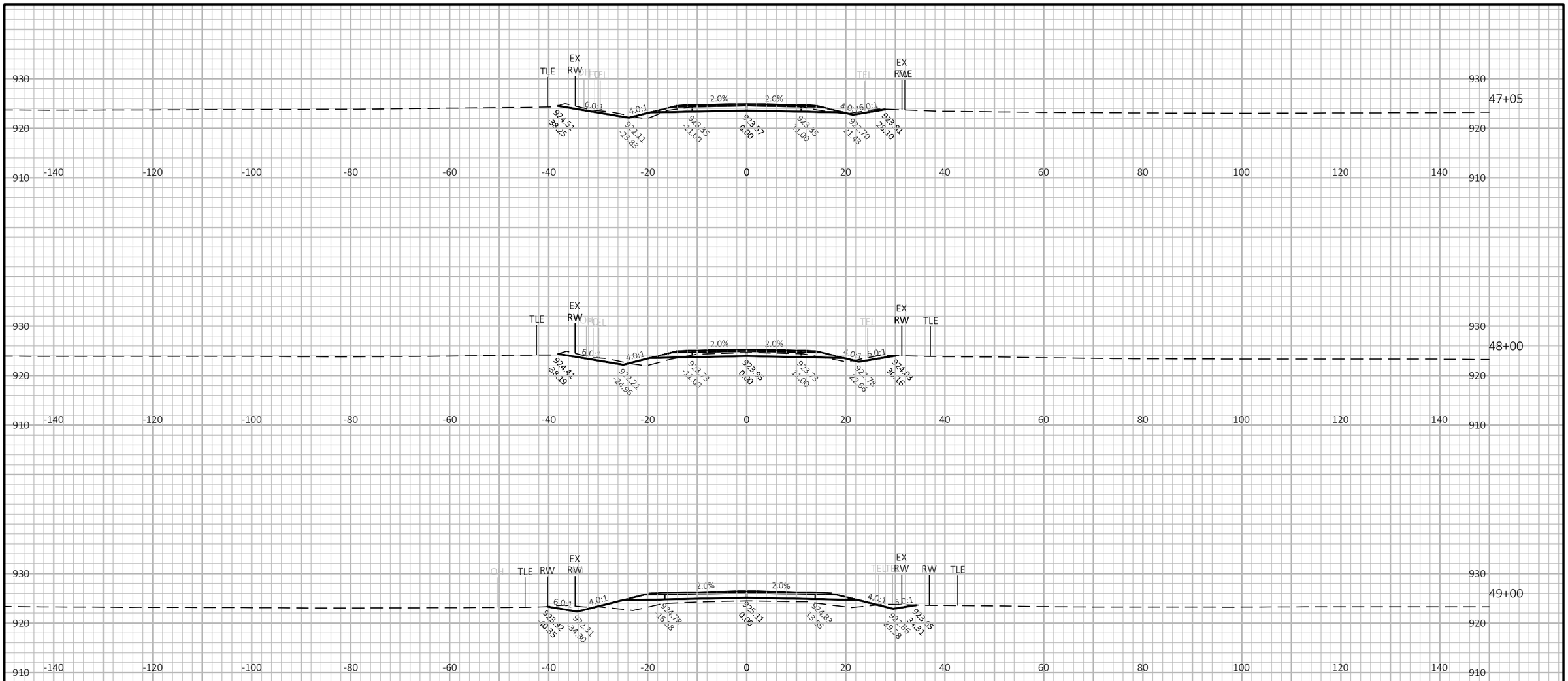
PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: LOCUST DR	SHEET 730	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-LocustDr-4

PLOT DATE : 4/5/2021 5:54 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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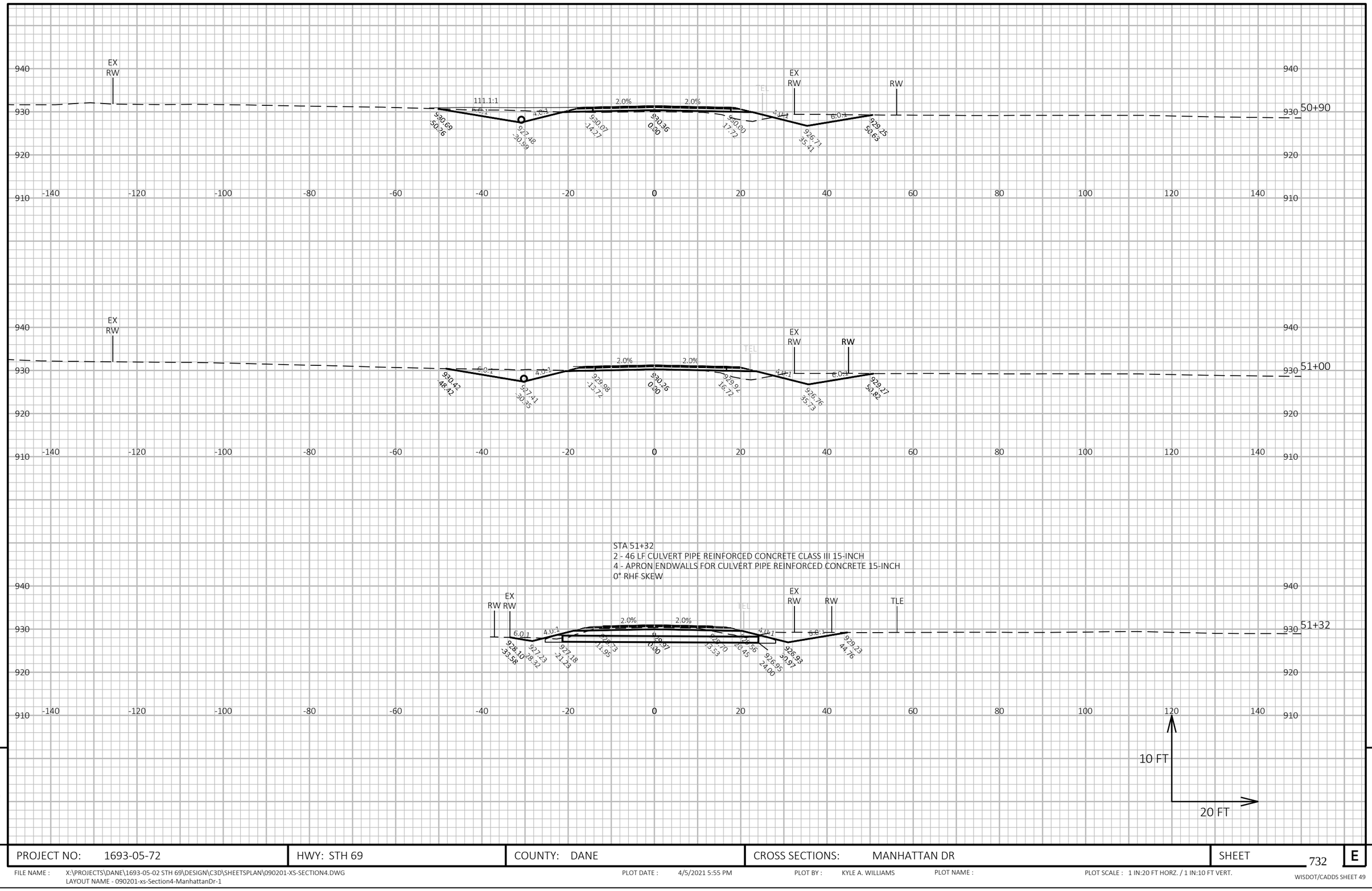
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: RIVERSIDE DR	SHEET 731	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-RiversideDr-1

PLOT DATE : 4/5/2021 5:55 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

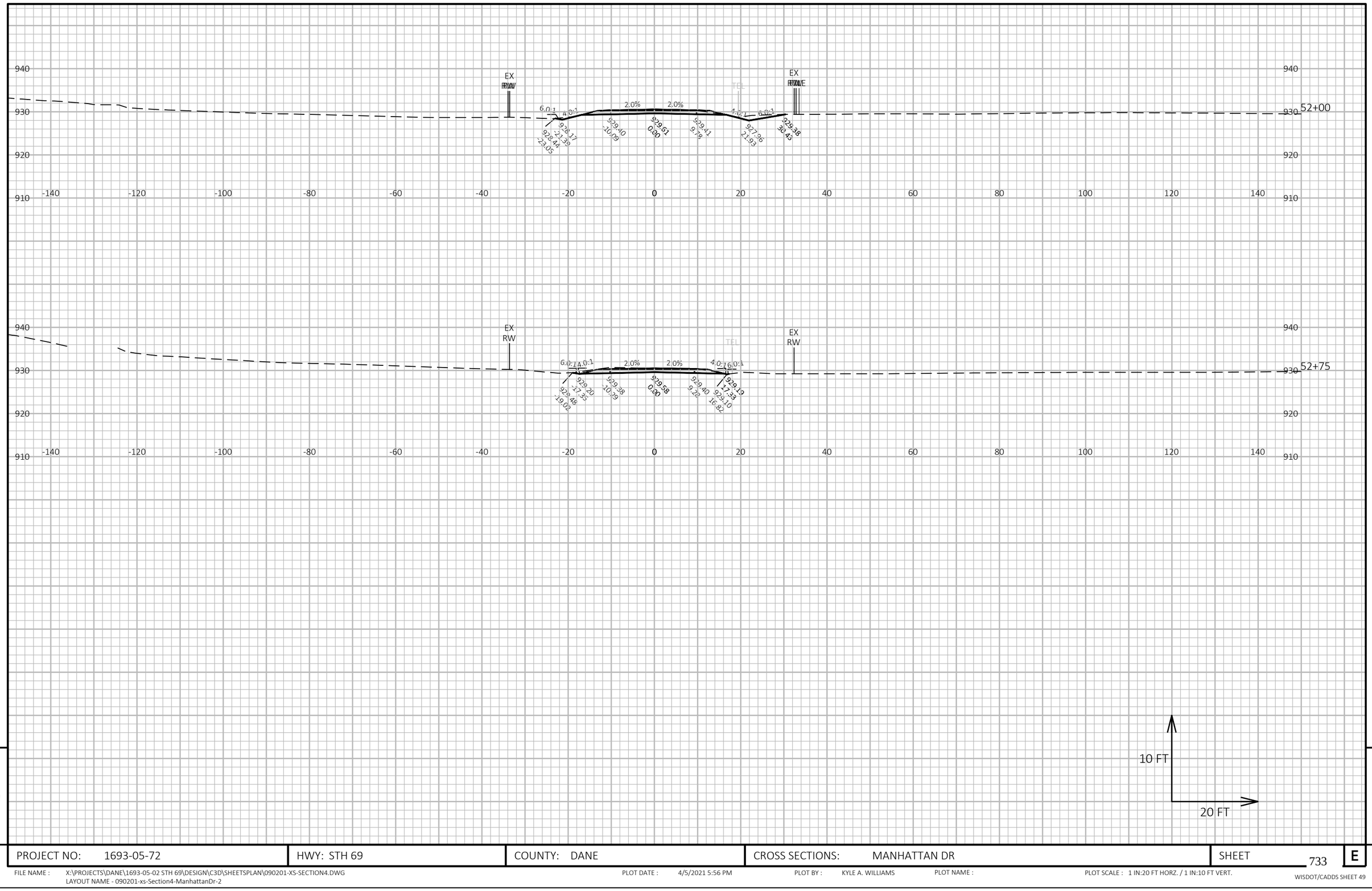
9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: MANHATTAN DR	SHEET 732	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-ManhattanDr-1

PLOT DATE : 4/5/2021 5:55 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1693-05-72	HWY: STH 69	COUNTY: DANE	CROSS SECTIONS: MANHATTAN DR	SHEET 733	E

FILE NAME : X:\PROJECTS\DANE\1693-05-02 STH 69\DESIGN\C3D\SHEETSPLAN\090201-XS-SECTION4.DWG
LAYOUT NAME - 090201-xs-Section4-ManhattanDr-2

PLOT DATE : 4/5/2021 5:56 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov

MAD FEBRUARY 2022

PROJECT ID: 1693-05-73

WITH: 1693-05-72

COUNTY: DANE

52

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
~~Section No.~~	~~4~~	~~Right-of-Way Plat~~
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
~~Section No.~~	~~7~~	~~Sign Plates~~
~~Section No.~~	~~8~~	~~Structure Plans~~
~~Section No.~~	~~9~~	~~Computer Earthwork Data~~
~~Section No.~~	~~9~~	~~Cross Sections~~

TOTAL SHEETS = 34

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1693-05-73		

NEW GLARUS - VERONA

CTH D TO V BELLEVILLE NORTH LIMIT

STH 69

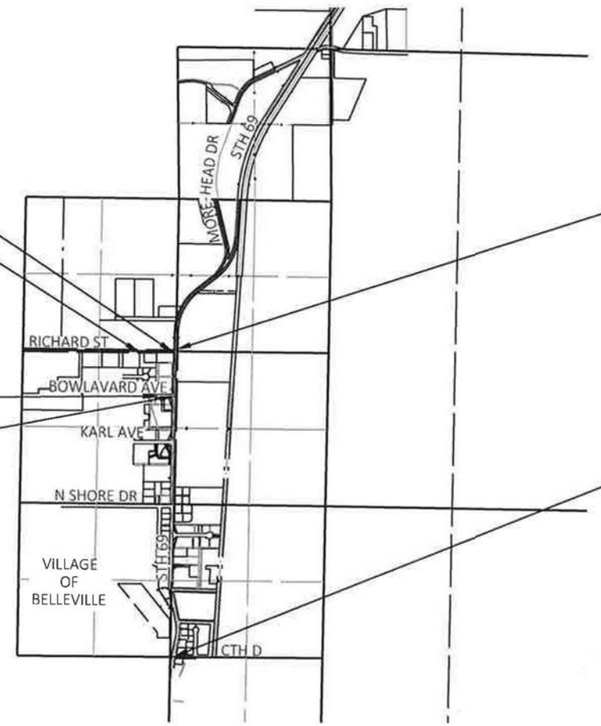
DANE COUNTY

STATE PROJECT NUMBER
1693-05-73

N

END CONSTRUCTION
STA. R50+00.00

BEGIN CONSTRUCTION
STA. R49+19.24



END PROJECT
STA 71+23.00

BEGIN CONSTRUCTION
STA. BA49+25.77

END CONSTRUCTION
STA. BA50+00.00

BEGIN PROJECT
STA 28+50.00

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE		CULVERT (Profile View)	
SLOPE INTERCEPT		UTILITIES	
REFERENCE LINE	300'E/B'	ELECTRIC	E
EXISTING CULVERT		FIBER OPTIC	FO
PROPOSED CULVERT (Box or Pipe)		GAS	G
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER	SAN
		STORM SEWER	SS
MARSH AREA		TELEPHONE	T
		WATER	W
		UTILITY PEDESTAL	
WOODED OR SHRUB AREA		POWER POLE	
		TELEPHONE POLE	

LAYOUT

SCALE 0 0.5 MI

TOTAL NET LENGTH OF CENTERLINE = 4,273 FT

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

VILLAGE OF BELLEVILLE
APPROVED BY:
DATE: 7/27/21 DALE YURS, VILLAGE PRESIDENT

ORIGINAL PLANS PREPARED BY:
MSA PROFESSIONAL SERVICES, INC.

WISCONSIN
KEVIN C. LORD
E-35535
MADISON
WI
PROFESSIONAL ENGINEER

07-09-2021 (DATE) (SIGNATURE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	GRAEF, STRAND, AND SW REGION
Designer	MSA PROFESSIONAL SERVICES, INC.
Project Manager	MAHESH SHRESTHA, P.E.
Regional Examiner	SW REGION
Regional Supervisor	MARC SCHWEIGER, P.E.

APPROVED FOR THE DEPARTMENT

Mahesh Shrestha

DATE: _____ (Signature)

E

FILE NAME : P:\370S\372\00372085\CADD\SHEETSPLAN_TI.DWG PLOT DATE : 7/9/2021 7:53 AM PLOT BY : JESSIKA MCNELLIS PLOT NAME :

GENERAL NOTES

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS INDICATED FOR REMOVAL BY THE ENGINEER.

ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM THE ABANDONMENT OR REMOVAL OF EXISTING STRUCTURES OR FROM GRUBBING OF TREES OR STUMPS SHALL BE BACKFILLED WITH GRANULAR BACKFILL. BACKFILL GRANULAR MATERIAL IS INCIDENTAL TO THE REMOVAL ITEM.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

ALL FITTINGS USED FOR WATER MAIN INSTALLATION SHALL BE DUCTILE CAST IRON IN ACCORDANCE WITH AWWA C-110. STAINLESS STEEL OR COR-TEN BOLTS ARE TO BE USED ON ALL WATER MAIN FITTINGS. ALL JOINTS SHALL BE MEGA-LUG CLAMPS. MATERIAL SHALL BE INCIDENTAL AND PAID FOR ON THE SPECIFIC BID ITEM.

ALL DUCTILE IRON PIPE, FITTINGS, AND HYDRANT LEADS SHALL BE ENCASED IN 6 MIL POLYETHYLENE. POLYETHYLENE SHALL BE TAPED AT INTERVALS SUFFICIENT TO PREVENT SOIL FROM CONTACTING PIPE. MATERIAL SHALL BE INCIDENTAL TO THE PIPE AND FITTINGS PAID FOR ON SPECIFIC BID ITEMS.

ALL WATER MAIN SHALL BE DISINFECTED, TESTED, AND FLUSHED ACCORDING TO THE STANDARD SPECIFICATIONS. TESTING AND DISINFECTING SHALL BE CONSIDERED INCIDENTAL TO THE INSTALLATION OF THE PIPE AND SHALL NOT BE PAID FOR SEPARATELY. REPEATING TESTING NECESSARY TO OBTAIN A CONFORMING TEST SHALL NOT BE CONSIDERED JUSTIFICATION FOR ANY EXTRA EXPENSE, CHANGE ORDER, OR CONTRACT TIME DELAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ALL TESTS WITHIN NORMAL WORKING HOURS, AND NO HYDROSTATIC PRESSURE TEST SHALL BE STARTED AFTER 4:00 PM.

HMA PAVEMENT WHERE INDICATED ON THE PLANS, SHALL CONSIST OF LAYERS AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER.

3.0" OF HMA PAVEMENT 3LT 58-28 S, AS THE LOWER LAYER - PAID FOR BY WATERMAIN REPLACEMENT PROJECT

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, BIKE OR PARKING LANE.

ASPHALT AND CONCRETE DRIVEWAYS SHALL BE SAWCUT AT THE MATCH LINE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PIROR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

INLET PROTECTION IS REQUIRED AT ALL INLETS AS PER DETAIL OR AS DIRECTED BY THE ENGINEER.

REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.

SIGNS IN CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER THE ITEM TRAFFIC CONTROL COVERING SIGNS.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

RE-TOPSOIL OF GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SEED, FERTILIZE, AND EROSION MAT TOP-SOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAN (14) CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED.

EROSION CONTROL DEVICES ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S ECIP AND BY THE ENGINEER. EROSION CONTROL DEVICES SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE DEVICE IS NO LONGER REQUIRED.

WHERE MENTIONED ELSEWHERE IN THE SPECIFICATIONS OR PLANS, THE "STANDARD SPECIFICATION" SHALL REFER TO THE LATEST EDITION OF THE STATE OF WISCONSIN: "STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION," AND THE LATEST AMENDMENTS (STATE SPECIFICATIONS) AND THE "VILLAGE OF BELLEVILLE STANDARD SPECIFICATIONS FOR PUBLIC WORKS IMPROVEMENTS" LAST REVISED IN APRIL 2018, (VILLAGE SPECIFICATIONS). IN INSTANCES WHERE THE STATE AND VILLAGE SPECIFICATION CONFLICT, THE STATE SPECIFICATION SHALL SUPERSEDE.

STANDARD ABBREVIATIONS

AEW	APRON END WALL
AGG	AGGREGATE
BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
C&G	CURB AND GUTTER
C/L	CENTER OR CONSTRUCTION LINE
CONC	CONCRETE
CP	CULVERT PIPE
CPCM	CULVERT PIPE CORRUGATED METAL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CSCP	CORRUGATED STEEL CULVERT PIPE
CSPA	CORRUGATED STEEL PIPE ARCH
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC-YARD
D	DEGREE OF CURVE
Δ	DELTA
DISCH	DISCHARGE
FE	FIELD ENTRANCE
HERCP	HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE
HMA	HOT MIX ASPHALT
INV	INVERT
L	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
LT	LEFT
MIN	MINIMUM
M/L	MATCHLINE
NB	NORTHBOUND
NC	NORMAL CROWN
NTS	NOT TO SCALE
PAVT	PAVEMENT
PB	PULL BOX
PC	POINT-OF-CURVE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PI	POINT OF INTERSECTION
PLE	PERMANENT LIMITED EASEMENT
PT	POINT OF TANGENT
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RAD	RADIUS
RC	REVERSE CROWN
RCAEW	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
RCHESS	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL STORM SEWER
RCPSS	REINFORCED CONCRETE PIPE - STORM SEWER
REQD	REQUIRED
RHF	RIGHT HAND FORWARD
RO	RUN OFF LENGTH
RT	RIGHT
SALV	SALVAGED
SB	SIGNAL BASE
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SF	SQUARE FOOT
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TC	TOP OF CURB
TLE	TEMPORARY LIMITED EASEMENT

SECTION 2 ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
CONSTRUCTION DETAILS
REMOVALS AND EROSION CONTROL
TRAFFIC CONTROL PLAN
ALIGNMENT DIAGRAM

UTILITIES

COMMUNICATION LINE
CHARTER COMMUNICATIONS
LUKAS LACROSSE
2701 DANIELS ST.
MADISON, WI 53718
(608) 709-1562
LUKAS.LACROSSE@CHARTER.COM

COMMUNICATION LINE
FRONTIER COMMUNICATIONS OF WI LLC.
RUSS RYAN
107 PLEASANT VIEW DR
PLYMOUTH, WI 53703
(920) 583-3275
RUSSELL.W.RYAN@FTR.COM

ELECTRICITY
ALLIANT ENERGY
MARY MONTGOMERY
200 FIRST ST.
CEDAR RAPIDS, IA 52401
(319) 786-4768
MARYMONTGOMERY@ALLIANTENERGY.COM

GAS
WE ENERGIES
ADAM MARING
N3025 14TH AVE
MONROE, WI 53566
(608) 328-5679
(608) 426-1715 (MOBILE)
WORKPLANS@MGE.COM

WATER/SANITARY
VILLAGE OF BELLEVILLE
TIM FRANCOIS, PUBLIC WORKS DIRECTOR
20 RIVER ST.
BELLEVILLE, WI 53508
(608) 424-3666
(608) 395-5183 (MOBILE)
TFRANCOIS@VILLAGEOFBELLEVILLE.COM

VILLAGE CONTACT

VILLAGE OF BELLEVILLE
TIM FRANCOIS, PUBLIC WORKS DIRECTOR
20 RIVER ST.
PO BOX 79
BELLEVILLE, WI 53508
(608) 424-3666
TFRANCOIS@VILLAGEOFBELLEVILLE.COM

WISDOT CONTACT

WISCONSIN DEPT OF TRANSPORTATION, SW REGION
MAHESH SHRESTHA
2101 WRIGHT STREET
MADISON, WI 53704
(608) 245-2674
MAHESH.SHRESTHA@DOT.WI.GOV

DEPT. OF NATURAL RESOURCES

WISCONSIN DEPT. OF NATURAL RESOURCES
ERIC HEGGELUND
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
(608) 275-3301
ERIC.HEGGELUND@WISCONSIN.GOV

DESIGN CONTACT

MSA PROFESSIONAL SERVICES
KEVIN LORD, P.E.
1702 PANKRATZ ST
MADISON, WI 53704
(608) 242-7779
KLORD@MSA-PS.COM

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

2

N

SUGAR RIVER

BEGIN PROJECT
STA. 28+50.00

START CONSTRUCTION
STA. BA49+25.77

START CONSTRUCTION
STA. R49+19.24

END CONSTRUCTION
STA. R50+00.00

END PROJECT
STA. 71+23.00

END CONSTRUCTION
STA. BA50+00.00

STH 69

N. SHORE DR.

KARL AVE.

BOWLAVARD AVE.

RICHARD ST.

GEHIN RD.

LITTLE LAKES RD.

FEDERAL AVE.

5TH AVE.

GREENWAY CROSS CT.

50

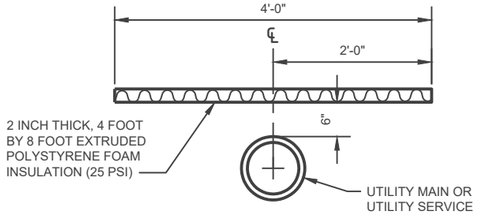
100

VILLAGE OF
BELLEVILLE

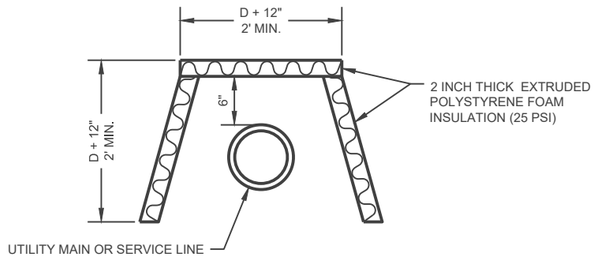
CTH D

BADGER STATE TRAIL

PROJECT NO: 1693-05-73	HWY: STH 69	COUNTY: DANE	PROJECT OVERVIEW	SHEET 3	E



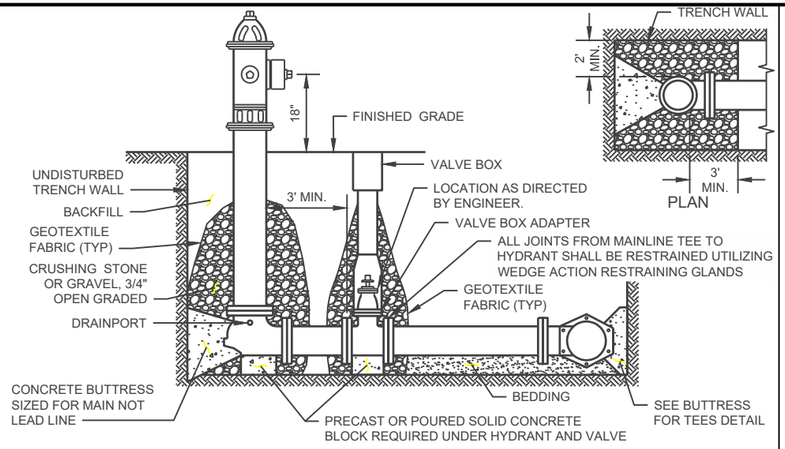
STANDARD INSTALLATION



SIDE PROTECTION INSTALLATION

GENERAL NOTES:
1. THE SIDE PROTECTION INSTALLATION SHALL BE USED WHERE FROST WILL PENETRATE BELOW THE PIPE INVERT.

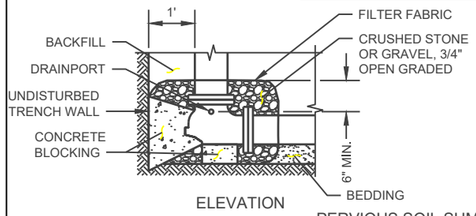
PIPE INSULATION DETAIL
NO SCALE



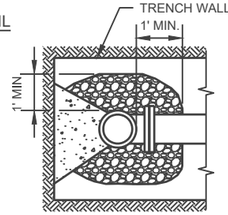
ELEVATION

PLAN

IMPERVIOUS SOIL SUMP DETAIL



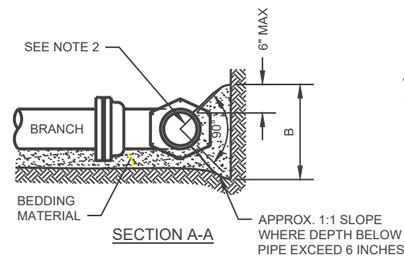
ELEVATION



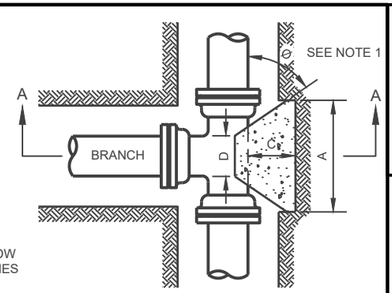
PLAN

PERVIOUS SOIL SUMP DETAIL

HYDRANT AND LEAD CONNECTION DETAIL
NO SCALE



SECTION A-A



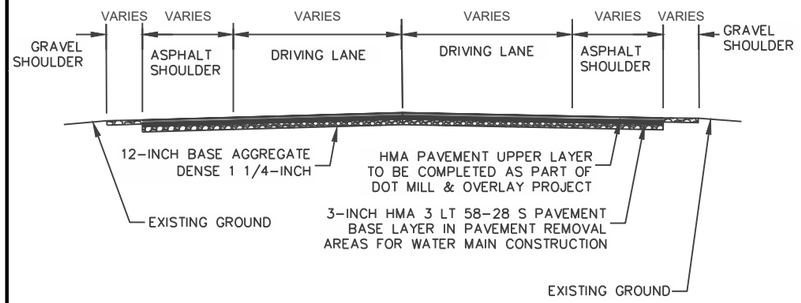
PLAN

NOTES:
1. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø GREATER THAN OR EQUAL TO 45°.
2. CONCRETE SHOULD BEAR ON THIS QUADRANT OF PIPE AT A MINIMUM.
3. DIMENSION 'D' SHOULD BE AS LARGE AS POSSIBLE BUT CONCRETE SHOULD NOT INTERFERE WITH MECHANICAL JOINTS.
4. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI. INFORM THE ENGINEER IF ON-SITE SOIL DOES NOT MEET THIS CONDITION OR PRESSURES EXCEED 150 PSI.
5. BUTTRESS TO BE PLACED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95%% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
6. CONCRETE SHALL HAVE A MINIMUM 7-DAY COMPRESSIVE STRENGTH OF 2000 PSI.
7. ALL POURED BUTTRESSED FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.
8. IN ADDITION TO BUTTRESSES, ALL JOINTS SURROUNDING TEES SHALL BE RESTRAINED WITH WEDGE ACTION RESTRAINING GLANDS.

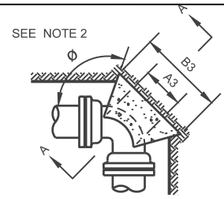
BUTTRESS DIMENSIONS				
DIA.	A	B	C	D
6"	1'-3"	1'-0"	SEE NOTE NO. 1	SEE NOTE NO. 3
8"	1'-6"	1'-4"		
10"	1'-10"	1'-8"		
12"	2'-3"	2'-0"		
16"	3'-2"	2'-6"		
20"	4'-0"	3'-0"		
24"	5'-3"	3'-4"		

DIA. = BRANCH DIAMETER

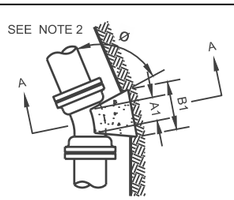
BUTTRESS FOR TEES DETAIL
NO SCALE



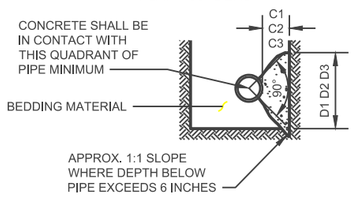
S.T.H. 69
STA. 28+50 TO STA. 71+23



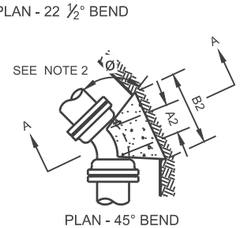
PLAN - 90° BEND



PLAN - 22 ½° BEND



SECTION A-A

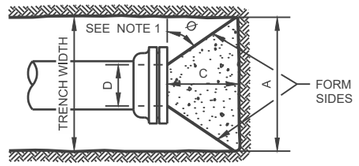


PLAN - 45° BEND

NOTES:
1. DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF 150 P.S.I. AND AN EARTH RESISTANCE OF 2 TONS PER SQ. FT. INFORM THE ENGINEER IF PRESSURES EXCEED 150 PSI, OR ON-SITE SOIL DOES NOT MEET THIS CONDITION.
2. DIMENSION C1 C2 C3 SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø EQUAL TO OR LARGER THAN 45°.
3. DIMENSION A1 A2 A3 SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH THE MECHANICAL JOINT.
4. BUTTRESS TO BE POURED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
5. ALL BUTTRESSED FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.
6. CONCRETE SHALL HAVE A MINIMUM 7-DAY COMPRESSIVE STRENGTH OF 2000 PSI.
7. IN ADDITION TO BUTTRESS, ALL JOINTS SURROUNDING BENDS SHALL BE RESTRAINED WITH WEDGE ACTION RESTRAINING GLANDS.

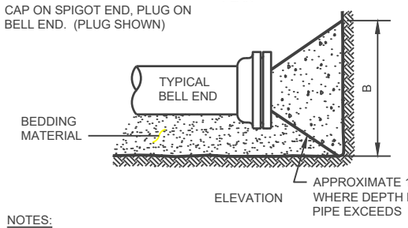
BUTTRESS DIMENSIONS						
PIPE SIZE	22 ½° BENDS		45° BENDS		90° BENDS	
	B1	D1	B2	D2	B3	D3
6"	1'-0"	1'-0"	1'-0"	1'-0"	1'-4"	1'-2"
8"	1'-0"	1'-0"	1'-4"	1'-2"	1'-10"	1'-6"
10"	1'-2"	1'-2"	1'-7"	1'-7"	2'-3"	1'-10"
12"	1'-4"	1'-4"	1'-10"	1'-10"	2'-8"	2'-3"
16"	1'-10"	1'-8"	2'-6"	2'-4"	3'-10"	2'-10"
20"	2'-4"	2'-0"	3'-3"	2'-10"	5'-0"	3'-4"
24"	2'-10"	2'-4"	4'-0"	3'-3"	6'-4"	3'-10"

BUTTRESS FOR BENDS DETAIL
NO SCALE



PLAN

CAP ON SPIGOT END, PLUG ON BELL END. (PLUG SHOWN)



ELEVATION

BUTTRESS DIMENSIONS				
DIA.	A	B	C	D
6"	1'-6"	1'-2"	SEE NOTE NO. 1	SEE NOTE NO. 2
8"	2'-0"	1'-4"		
12"	2'-5"	1'-10"		
16"	3'-4"	2'-4"		
20"	4'-3"	2'-10"		
24"	5'-2"	3'-4"		
30"	6'-9"	4'-0"		

NOTES:
1. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø EQUAL TO OR LARGER THAN 45°.
2. DIMENSION 'D' EQUALS APPROX. I.D. OF PIPE LESS 2 INCHES. THE CONCRETE SHOULD NOT INTERFERE WITH THE MECHANICAL JOINTS.
3. WHERE BUTTRESSES ARE NOT POSSIBLE BECAUSE OF POOR SOIL CONDITIONS OR LACK OF ROOM, WEDGE ACTION RESTRAINING GLANDS SHALL BE PERMITTED.
4. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI. INFORM THE ENGINEER IF ON-SITE SOIL DOES NOT MEET THIS CONDITION OR PRESSURES EXCEED 150 PSI.
5. BUTTRESS TO BE POURED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
6. CONCRETE SHALL HAVE A MINIMUM 7-DAY COMPRESSIVE STRENGTH OF 2000 PSI.
7. ALL POURED BUTTRESSED FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.
8. NO WOOD BUTTRESS ALLOWED.

BUTTRESS FOR PLUGS DETAIL
NO SCALE

2

INLET PROTECTION (TYP.)

PT: 27+38.40

PAVEMENT SAWCUT & REMOVAL LIMITS

PC: 28+95.02

PT: 31+77.69

R.O.W.

26+00 27+00 28+00 29+00 30+00 31+00 32+00

GRAVEL SHOULDER REMOVAL

ASPHALT DRIVEWAY REMOVAL

ASPHALT DRIVEWAY REMOVAL

RESTORATION, TOPSOIL, & EMAT

GRAVEL DRIVEWAY REMOVAL (INCIDENTAL TO WATER MAIN CONSTRUCTION)

PAVEMENT SAWCUT & REMOVAL LIMITS

CTH D

BLASER REV TR HERBERT & LUANE

PAULI REV LIVING TR DONALD F & MARIE M

GENERAL TELEPHONE CO OF WI

TYLER P CATE

EILEEN M VAN ACKER

FEDERAL AVE.

THOMAS I WILKINS

PC: 36+08.62

33+00 34+00 35+00 36+00 37+00 38+00 39+00 40+00

INLET PROTECTION

PAVEMENT SAWCUT & REMOVAL LIMITS

RESTORATION, TOPSOIL, & EMAT

STANDEX INTERNATIONAL CORP

5TH AVE.

THE FRENCH GROUP LLC

PT: 39+22.85

BANK OF NEW GLARUS

PROJECT NO: 1693-05-73	HWY: STH 69	COUNTY: DANE	REMOVALS & EROSION CONTROL: STH 69	SHEET 5	E

FILE NAME : P:\370S\372\00372085\CADD\SHEETSPLAN_EROSION.DWG
LAYOUT NAME - Plan Dbl 1 IN 50 FT
PLOT DATE : 8/25/2021 6:58 AM
PLOT BY : KEVIN LORD
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

THOMAS I WILKINS

BANK OF NEW GLARUS

N. SHORE DR.

PATRICK R PALMER TEMPLE E PALMER

THOMAS J SCHMITZ

JEFFREY A JUDD

JOSEPH B MANDT MARGARET E MANDT

FRED A WOLFROM HEATHER E WOLFROM

N

PT: 39+22.85

PI: 45+55.99

R.O.W.

FRONTIER TELEPHONE

39+00 40+00 41+00 42+00 43+00 44+00 45+00 46+00

STH 69

RESTORATION, TOPSOIL, & EMAT

PAVEMENT SAWCUT & REMOVAL LIMITS

THE FRENCH GROUP LLC

JAMES L KNIFFIN JR

UNION BANK & TRUST CO

PL

STEVEN F BRUNNER MARY A BRUNNER

KARL AVE.

CAPITOL REAL ESTATE LLC

CHARTER TELEVISION

MD RENTAL ENTERPRISE LLC

MICHAEL J O CONNOR G PETER MCDONALD

MARK A SCHWOEGLER

N

PI: 55+13.17

R.O.W.

51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00

GRAVEL DRIVEWAY REMOVAL (INCIDENTAL TO WATER MAIN CONSTRUCTION)

RESTORATION, TOPSOIL, & EMAT

GRAVEL DRIVEWAY REMOVAL (INCIDENTAL TO WATER MAIN CONSTRUCTION)

PROJECT NO: 1693-05-73	HWY: STH 69	COUNTY: DANE	REMOVALS & EROSION CONTROL: STH 69	SHEET 6	E

FILE NAME : P:\370S\372\00372085\CADD\SHEETSPLAN_EROSION.DWG
LAYOUT NAME - Layout2-Plan Dbl 1 IN 50 FT

PLOT DATE : 8/25/2021 6:56 AM PLOT BY : KEVIN LORD PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

MARK A SCHWOEGLER

BELLEVILLE SENIOR HOUSING LP

SEVERSON LIVING TR, RUTH M
KAYLA HEFTY
HELEN D REINHARDT
HERBERT O LANCASTER

HOMETOWN PROPERTIES OF BELLEVILLE LLC
DERBY ENTERPRISES INC OF MADISON

BOWLAVARD AVE.
BA49+00

CHRISTEN & CHRISTEN LLP

GMSD LLC

N

PI: 65+65.50

R.O.W.

PAVEMENT SAWCUT & REMOVAL LIMITS

12'

59+00 60+00 61+00 62+00 63+00 64+00 65+00 66+00

EP: 50+00.00

RESTORATION, TOPSOIL, & EMAT

GRASS/GRAVEL DRIVEWAY REMOVAL (INCIDENTAL TO WATER MAIN CONSTRUCTION)

JOAN ZWEIFEL

GUY

2

GMSD LLC

J.R.O. ENTERPRISES LLC

RICHARD ST.
R49+00

N

DULUTH HOLDINGS INC

PI: 65+65.50

PI: 72+46.47

PAVEMENT SAWCUT & REMOVAL LIMITS

STH 69

66+00 67+00 68+00 69+00 70+00 71+00 72+00

EP: 50+00.00

R.O.W.

RESTORATION, TOPSOIL, & EMAT

JOAN ZWEIFEL

PROJECT NO: 1693-05-73	HWY: STH 69	COUNTY: DANE	REMOVALS & EROSION CONTROL: STH 69	SHEET 7	E

FILE NAME : P:\370S\372\00372085\CADD\SHEETSPLAN_EROSION.DWG
LAYOUT NAME - Layout3-Plan Dbl 1 IN 50 FT

PLOT DATE : 8/25/2021 6:54 AM PLOT BY : KEVIN LORD PLOT NAME : PLOT SCALE : 1 IN:50 FT

NOTES:
- PROVIDE FLAGGING FOR 1-WAY OPERATIONAL NEEDS PER WISDOT STANDARD DETAIL DRAWING: TRAFFIC CONTROL FOR LANE CLOSURE SUITABLE FOR MOVING OPERATIONS.
- CONTRACTOR TO MAINTAIN MINIMUM 16-FOOT WIDE THROUGH TRAFFIC LANE DURING WATERMAIN CONSTRUCTION.
- AT THE COMPLETION OF THE WORK DAY, PROVIDE 2-WAY OPERATION AND MOVE TRAFFIC CONTROL SIGNS IN ACCORDANCE TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY."

2

2

TRAFFIC CONTROL DRUM WITH LIGHT (TYP.)

LANE CLOSURE SIGN (TYP.)

PT: 27+38.40

TRAFFIC CONTROL DRUM (TYP.)

PC: 28+95.02

PT: 31+77.69

WORK ZONE AREA

26+00 27+00 28+00 29+00 30+00 31+00 32+00

SIDEWALK CLOSED
R9-9
24"X12"

CTH D

BLASER REV TR
HERBERT & LUANE

PAULI REV
LIVING TR
DONALD F &
MARIE M

GENERAL
TELEPHONE
CO OF WI

TYLER P CATE

EILEEN M
VAN ACKER

WHEN WORK ZONE INCLUDES FEDERAL AVE., CLOSE SIDE ROADS IN ACCORDANCE TO STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES" DETAIL 1 WHEN ACCESS TO STH 69 IS NOT PERMITTED.

FEDERAL AVE.

THOMAS I WILKINS

PC: 36+08.62

33+00 34+00 35+00 36+00 37+00 38+00 39+00 40+00

TRAFFIC CONTROL
DRUM WITH LIGHT (TYP.)

LANE CLOSURE SIGN (TYP.)

TRAFFIC CONTROL DRUM (TYP.)

PT: 39+22.85

BANK OF NEW
GLARUS

SIDEWALK CLOSED
R9-9
24"X12"

WORK ZONE AREA

PLACE TEMPORARY PEDESTRIAN SURFACE PLATES TO ALLOW PEDESTRIAN ACCESS

THE FRENCH GROUP LLC

STANDEX INTERNATIONAL CORP

5TH AVE.

WHEN WORK ZONE INCLUDES 5TH AVE., CLOSE SIDE ROADS IN ACCORDANCE TO STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES" DETAIL 1 WHEN ACCESS TO SHT 69 IS NOT PERMITTED.

PROJECT NO: 1693-05-73	HWY: STH 69	COUNTY: DANE	TRAFFIC CONTROL PLAN	SHEET 8	E

NOTES:
- PROVIDE FLAGGING FOR 1-WAY OPERATIONAL NEEDS PER WISDOT STANDARD DETAIL DRAWING: TRAFFIC CONTROL FOR LANE CLOSURE SUITABLE FOR MOVING OPERATIONS.
- CONTRACTOR TO MAINTAIN MINIMUM 16-FOOT WIDE THROUGH TRAFFIC LANE DURING WATERMAIN CONSTRUCTION.
- AT THE COMPLETION OF THE WORK DAY, PROVIDE 2-WAY OPERATION AND MOVE TRAFFIC CONTROL SIGNS IN ACCORDANCE TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY."

2

N. SHORE DR.

PATRICK R PALMER
TEMPLE E PALMER

THOMAS J SCHMITZ

JEFFREY A JUDD

JOSEPH B MANDT
MARGARET E MANDT

FRED A WOLFROM
HEATHER E WOLFROM

N

PT: 39+22.85

FRONTIER TELEPHONE

TRAFFIC CONTROL DRUM (TYP.)

WORK ZONE AREA

LANE CLOSURE SIGN (TYP.)

PI: 45+55.99

39+00 40+00 41+00 42+00 43+00 STH 69 44+00 45+00 46+00

THE FRENCH GROUP LLC

WHEN WORK ZONE INCLUDES N. SHORE DR., CLOSE SIDE ROADS IN ACCORDANCE TO STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES" DETAIL 1 WHEN ACCESS TO STH 69 IS NOT PERMITTED.

JAMES L KNIFFIN JR

UNION BANK & TRUST CO

MARK A SCHWOEGLER

N

STEVEN F BRUNNER
MARY A BRUNNER

KARL AVE.

CAPITOL REAL ESTATE LLC

CHARTER TELEVISION

MD RENTAL ENTERPRISE LLC

MICHAEL J O CONNOR
G PETER MCDONALD

PI: 55+13.17

TRAFFIC CONTROL DRUM (TYP.)

TRAFFIC CONTROL DRUM WITH LIGHT (TYP.)

WORK ZONE AREA

51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00

2

PROJECT NO: 1693-05-73	HWY: STH 69	COUNTY: DANE	TRAFFIC CONTROL PLAN	SHEET 9	E

FILE NAME : P:\370S\372\00372085\CADD\SHEETSPLAN_TRAFFIC.DWG
LAYOUT NAME - Layout2-Plan Dbl 1 IN 50 FT

PLOT DATE : 8/24/2021 12:12 PM PLOT BY : KEVIN LORD PLOT NAME : PLOT SCALE : 1 IN:50 FT

NOTES:

- PROVIDE FLAGGING FOR 1-WAY OPERATIONAL NEEDS PER WISDOT STANDARD DETAIL DRAWING: TRAFFIC CONTROL FOR LANE CLOSURE SUITABLE FOR MOVING OPERATIONS.
- CONTRACTOR TO MAINTAIN MINIMUM 16-FOOT WIDE THROUGH TRAFFIC LANE DURING WATERMAIN CONSTRUCTION.
- AT THE COMPLETION OF THE WORK DAY, PROVIDE 2-WAY OPERATION AND MOVE TRAFFIC CONTROL SIGNS IN ACCORDANCE TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY."

2

BELLEVILLE SENIOR HOUSING LP

SEVERSON LIVING TR, RUTH M
KAYLA HEFTY
HELEN D REINHARDT
HERBERT O LANCASTER

HOMETOWN PROPERTIES OF BELLEVILLE LLC
DERBY ENTERPRISES INC OF MADISON

BOWLAVARD AVE.

CHRISTEN & CHRISTEN LLP

GMSD LLC

PROVIDE FLAGGING OPERATIONS AS NECESSARY TO PERFORM WATER MAIN CONNECTION TO BOWLAVARD AVE. IN ACCORDANCE WITH CONTRACT DOCUMENTS. VILLAGE TO APPROVE PROPOSED STAGING PLAN FOR CONNECTION.

TRAFFIC CONTROL DRUM (TYP.)

WORK ZONE AREA

PI: 65+65.50

59+00 60+00 61+00 62+00 63+00 64+00 65+00 66+00

JOAN ZWEIFEL

GMSD LLC

J.R.O. ENTERPRISES LLC

PROVIDE FLAGGING OPERATIONS AS NECESSARY TO PERFORM WATER MAIN CONNECTION TO RICHARD ST. IN ACCORDANCE WITH CONTRACT DOCUMENTS. VILLAGE TO APPROVE PROPOSED STAGING PLAN FOR CONNECTION.

RICHARD ST.

DULUTH HOLDINGS INC

PI: 65+65.50

TRAFFIC CONTROL DRUM (TYP.)

WORK ZONE AREA

STH 69

PI: 72+46.47

66+00 67+00 68+00 69+00 70+00 71+00 72+00

JOAN ZWEIFEL

PROJECT NO: 1693-05-73	HWY: STH 69	COUNTY: DANE	TRAFFIC CONTROL PLAN	SHEET 10	E

FILE NAME : P:\370S\372\00372085\CADD\SHEETSPLAN_TRAFFIC.DWG
LAYOUT NAME - Layout3-Plan Dbl 1 IN 50 FT

PLOT DATE : 8/24/2021 1:11 PM PLOT BY : KEVIN LORD PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

BP: 10+01.23
BP: 10+01.23

N1° 09' 25.52"E

PC: 15+25.84
PC: 15+25.84

PT: 15+79.66
PT: 15+79.66

PI STA = 15+52.76
Y = 405025.497
X = 781210.273
DELTA = 4°24'19"
D = 8°11'06"
T = 26.92'
L = 53.82'
R = 700.00'
PC STA = 15+25.84
PT STA = 15+79.66

STH 69 R/L

N5° 33' 44.31"E

PC: 24+97.70
PC: 24+97.70

PI STA = 26+18.23
Y = 406085.977
X = 781313.550
DELTA = 7°39'42"
D = 3°10'59"
T = 120.53'
L = 240.70'
R = 1800.00'
PC STA = 24+97.70
PT STA = 27+38.40

PT: 27+38.40
PT: 27+38.40

BEGIN PROJECT
STA. 28+50.00
X = 781,372.46
Y = 406,311.85

N13° 13' 26.25"E

PC: 28+95.02
PC: 28+95.02

STH 69 CURVE 1 NOTES
PI STA = 30+38.56
Y = 406495.510
X = 781409.785
DELTA = 24°32'21"
D = 8°40'52"
T = 143.54'
L = 282.67'
R = 660.00'
PC STA = 28+95.02
PT STA = 31+77.69
SE = 4.3%

PT: 31+77.69
PT: 31+77.69

STA. 31+98.06 STH 69 =
STA. 50+00.00"FE"
Θ = 77.00°
X = 781,377.59
Y = 406,656.43

N11° 10' 54.67"W

PC: 36+08.62
PC: 36+08.62

STH 69 CURVE 2 NOTES
PI STA = 37+66.35
Y = 407213.475
X = 781266.124
DELTA = 12°24'59"
D = 3°57'05"
T = 157.73'
L = 314.23'
R = 1450.00'
PC STA = 36+08.62
PT STA = 39+22.85
SE = 2.9%

PT: 39+22.85
PT: 39+22.85

STA. 37+58.88 STH 69 =
STA. 50+00.00"FA"
Θ = 83.00°
X = 781,275.37
Y = 407,206.34

S88° 12' 47.30"E

FEDERAL AVE R/L

X = 781,704.34
Y = 406,646.23
EP: 53+26.92"FE"

S88° 29' 56.38"E

5TH AVE R/L

EP: 53+10.06"FA"
X = 781,585.33
Y = 407,198.22

N

NORTH SHORE DRIVE CURVE NOTES
PI STA = 47+82.14"NS"
Y = 407619.990
X = 781052.018
DELTA = 28°39'39"
D = 15°08'01"
T = 96.72'
L = 189.38'
R = 378.60'
PC STA = 46+85.42"NS"
PT STA = 48+74.80"NS"

NORTH SHORE DR R/L

BP: 46+85.42"NS"
X = 780,967.24
Y = 407,666.53

S89° 53' 40.10"E

PT: 48+74.80"NS"

50' "NS"

EP: 51+06.90"NS"
X = 781,380.83
Y = 407,619.38

STA. 37+58.88 STH 69 =
STA. 50+00.00"NS"
Θ = 89.00°
X = 781,273.93
Y = 407,619.58

PI: 45+55.99
PI: 45+55.99

N1° 06' 04.60"E

KARL AVE R/L

BP: 47+06.61"KA"
X = 780,999.35
Y = 408,668.17

STA. 52+17.30 STH 69 =
STA. 50+00.00"KA"
Θ = 89.00°
X = 781,292.73
Y = 408,665.41

S89° 27' 40.17"E

STA. 47+13.34 STH 69 =
STA. 50'+00.00"GC"
Θ = 89.00°
X = 781,284.04
Y = 408,161.53

S89° 31' 34.19"E

GREENWAY CROSS CT R/L

X = 781,573.50
Y = 408,159.14
EP: 52+89.47"GC"

PI: 55+13.17
PI: 55+13.17

N0° 59' 17.84"E

STH 69 R/L

N0° 59' 05.75"E

BOWLAVARD AVE R/L

BP: 46+80.37"BA"
X = 780,992.25
Y = 409,780.31

S89° 34' 45.57"E

STA. 63+30.03 STH 69 =
STA. 50+00.00"BA"
Θ = 89.00°
X = 781,311.88
Y = 409,777.96

PI: 65+65.50
PI: 65+65.50

N1° 04' 02.60"E

BP: 47+64.62"R"
X = 781,091.18
Y = 410,583.26

RICHARD ST R/L

S87° 40' 00.72"E

PI: 72+46.47
PI: 72+46.47

STA. 71+25.86 STH 69 =
STA. 50+00.00"RS"
Θ = 89.00°
X = 781,326.36
Y = 410,573.67

END PROJECT
STA. 71+23.00

PROJECT NO: 1693-05-73	HWY: STH 69	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 11	E

1693-05-73

Line	Item	Item Description	Unit	Total	Qty
0040	204.0110	Removing Asphaltic Surface	SY	751.000	751.000
0078	305.0110	Base Aggregate Dense 3/4-Inch	TON	52.000	52.000
0080	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	780.000	780.000
0104	460.5223	HMA Pavement 3 LT 58-28 S	TON	160.000	160.000
0358	619.1000	Mobilization	EACH	0.100	0.100
0368	625.0100	Topsoil	SY	3,684.000	3,684.000
0382	628.2002	Erosion Mat Class I Type A	SY	3,684.000	3,684.000
0394	628.7020	Inlet Protection Type D	EACH	6.000	6.000
0404	629.0210	Fertilizer Type B	CWT	2.000	2.000
0408	630.0140	Seeding Mixture No. 40	LB	300.000	300.000
0448	643.0300	Traffic Control Drums	DAY	180.000	180.000
0450	643.0410	Traffic Control Barricades Type II	DAY	10.000	10.000
0452	643.0420	Traffic Control Barricades Type III	DAY	75.000	75.000
0454	643.0705	Traffic Control Warning Lights Type A	DAY	75.000	75.000
0456	643.0715	Traffic Control Warning Lights Type C	DAY	180.000	180.000
0458	643.0900	Traffic Control Signs	DAY	180.000	180.000
0468	643.5000	Traffic Control	EACH	0.100	0.100
0472	644.1430	Temporary Pedestrian Surface Plate	SF	100.000	100.000
0574	690.0150	Sawing Asphalt	LF	1,207.000	1,207.000
0594	SPV.0060	Special 05. 12-Inch Gate Valve and Box	EACH	11.000	11.000
0596	SPV.0060	Special 06. 10-Inch Gate Valve and Box	EACH	1.000	1.000
0598	SPV.0060	Special 07. 6-Inch Gate Valve and Box	EACH	6.000	6.000
0600	SPV.0060	Special 08. 12-Inch D.I. 45 Degree Bend	EACH	2.000	2.000
0602	SPV.0060	Special 09. 12-Inch D.I. 22.5 Degree Bend	EACH	4.000	4.000
0604	SPV.0060	Special 10. 12-Inch D.I. 11.25 Degree Bend	EACH	1.000	1.000
0606	SPV.0060	Special 11. 12-Inch D.I. Cap	EACH	1.000	1.000
0608	SPV.0060	Special 12. 8-Inch D.I. Cap	EACH	1.000	1.000
0610	SPV.0060	Special 13. 12-Inch x 8-Inch D.I. Tee	EACH	4.000	4.000
0612	SPV.0060	Special 14. 12-Inch x 6-Inch D.I. Tee	EACH	6.000	6.000
0614	SPV.0060	Special 15. 12-Inch x 10-Inch D.I. Tee	EACH	2.000	2.000
0616	SPV.0060	Special 16. 12-Inch x 10-Inch D.I. Reducer	EACH	4.000	4.000
0618	SPV.0060	Special 17. Fire Hydrant	EACH	6.000	6.000
0620	SPV.0060	Special 18. Connect to Existing Water Main	EACH	12.000	12.000
0622	SPV.0060	Special 19. Remove and Salvage Existing Fire Hydrant	EACH	1.000	1.000
0624	SPV.0060	Special 20. Utility Line Opening - ULO	EACH	4.000	4.000
0634	SPV.0060	Special 25. Abandon Existing Watermain ID 1693-05-73	EACH	1.000	1.000
0636	SPV.0090	Special 01. 12-Inch D.I. Water Main	LF	3,227.000	3,227.000
0638	SPV.0090	Special 02. 10-Inch D.I. Water Main	LF	6.000	6.000
0640	SPV.0090	Special 03. 8-Inch D.I. Water Main	LF	134.000	134.000
0642	SPV.0090	Special 04. 6-Inch D.I. Water Main	LF	45.000	45.000
0644	SPV.0090	Special 05. Trench Backfill - Water Main	LF	3,412.000	3,412.000
0648	SPV.0165	Special 01. 2-Inch Thick Rigid Insulation	SF	64.000	64.000

PROPOSED VALVES

STATION	LOCATION	(SPV.0060.07) 6-INCH GATE VALVE AND BOX EACH	(SPV.0060.06) 10-INCH GATE VALVE AND BOX EACH	(SPV.0060.05) 12-INCH GATE VALVE AND BOX EACH
31+43.93	22.3' RT	1	-	-
32+12.51	24.2' RT	-	-	1
38+04.00	22.8' RT	1	-	-
38+08.76	19.1' RT	-	-	1
41+74.81	15.2' RT	-	-	1
42+11.53	19.7' RT	1	-	-
42+16.05	16.9' RT	-	-	1
44+83.77	18.3' RT	-	-	1
51+82.29	20.6' RT	-	1	-
52+08.44	20.7' RT	-	-	1
52+57.31	24.7' RT	1	-	-
52+65.28	21.0' RT	-	-	1
57+86.76	24.7' RT	1	-	-
57+94.72	21.0' RT	-	-	1
63+25.81	21.0' RT	-	-	1
67+00.39	23.1' RT	1	-	-
67+07.12	20.9' RT	-	-	1
71+10.91	20.3' RT	-	-	1
PROJECT 1693-05-73 TOTALS		**6**	**1**	**11**

ABANDON EXISTING WATERMAIN

FROM STATION	LOCATION	TO STATION	LOCATION	(SPV.0060.25) EACH
37+41.84	20.0' RT	41+99.37	23.5' RT	1
PROJECT 1693-05-73 TOTALS				**1**

CONNECT TO EXISTING WATERMAIN

FROM STATION	LOCATION	(SPV.0060.18) CONNECT TO EXISTING WATERMAIN EACH
26+71.16	5.3' RT	1
32+20.35	25.45' RT	1
32+21.12	24.82' RT	1
37+32.48	19.40' RT	1
37+33.62	21.95' RT	1
41+80.17	15.5' RT	1
44+91.74	19.3' RT	1
44+92.41	19.28' RT	1
51+82.29	20.6' RT	1
52+00.91	20.6' RT	1
63+17.79	66.5' LT	1
71+23.33	40.3' LT	1
PROJECT 1693-05-73 TOTALS		**12**

DUCTILE IRON WATERMAIN							
FROM STATION	LOCATION	TO STATION	LOCATION	(SPV.0090.04) 6-INCH D.I. WATER MAIN LF	(SPV.0090.03) 8-INCH D.I. WATER MAIN LF	(SPV.0090.02) 10-INCH D.I. WATER MAIN LF	(SPV.0090.01) 12-INCH D.I. WATER MAIN LF
26+71.16	5.3' RT	28+62.19	13.5' RT	-	-	-	190
28+62.19	13.5' RT	28+82.79	22.8' RT	-	-	-	22
28+82.79	22.8' RT	31+43.85	20.4' RT	-	-	-	270
31+43.85	20.4' RT	31+43.91	22.3' RT	2	-	-	-
31+43.91	22.3' RT	31+44.01	24.9' RT	2	-	-	-
31+43.85	20.4' RT	32+12.51	24.2' RT	-	-	-	69
32+12.51	24.2' RT	32+19.81	24.6' RT	-	-	-	7
37+35.18	19.5' RT	37+41.84	20.0' RT	-	-	-	6
37+41.84	20.0' RT	37+47.25	16.3' RT	-	-	-	5
37+47.25	16.3' RT	38+04.11	19.0' RT	-	-	-	55
38+04.11	19.0' RT	38+04.00	22.8' RT	4	-	-	-
38+04.00	22.8' RT	38+03.92	25.8' RT	3	-	-	-
38+04.11	19.0' RT	38+08.76	19.1' RT	-	-	-	3
38+08.76	19.1' RT	41+02.03	17.3' RT	-	-	-	290
41+02.03	17.3' RT	41+34.59	13.7' RT	-	-	-	32
41+34.59	13.7' RT	41+74.81	15.2' RT	-	-	-	40
41+74.81	15.2' RT	41+80.17	15.4' RT	-	-	-	3
41+80.17	15.4 RT	42+11.59	16.7' RT				30
42+11.59	16.7' RT	42+11.53	19.8' RT	3	-	-	-
42+11.53	19.8' RT	42+11.47	22.8' RT	3	-	-	-
42+11.59	16.7' RT	42+16.05	16.9' RT	-	-	-	3
42+16.05	16.9' RT	44+83.77	18.3' RT	-	-	-	266
44+83.77	18.3' RT	44+85.74	18.4' RT	-	-	-	2
44+85.74	18.4' RT	44+89.99	19.2' RT	-	-	-	3
44+89.99	19.2' RT	44+91.74	19.3' RT	-	-	-	4
51+82.29	20.6' RT	51+89.16	20.6' RT	-	-	6	-
51+90.26	20.6' RT	52+00.24	20.6' RT	-	-	-	10
52+01.57	20.6' RT	52+08.44	20.7' RT	-	-	-	6
52+08.44	20.7' RT	52+57.28	21.0' RT	-	-	-	49
52+58.28	21.0' RT	52+57.28	24.8' RT	4	-	-	-
52+57.28	24.8' RT	52+57.28	31.8' RT	7	-	-	-
52+57.28	21.0' RT	52+65.28	21.0' RT	-	-	-	8
52+65.28	21.0' RT	57+86.72	21.0' RT	-	-	-	522
57+86.72	21.0' RT	57+86.75	24.7' RT	4	-	-	-
57+86.75	24.7' RT	57+86.85	31.8' RT	7	-	-	-
57+86.72	21.0' RT	57+94.72	21.0' RT	-	-	-	8
57+94.72	21.0' RT	63+17.28	20.4' RT	-	-	-	522
63+17.78	20.4' RT	63+17.81	51.6' LT	-	74	-	-
63+17.78	20.4' RT	63+25.81	21.0' RT	-	-	-	7
63+25.81	21.0' RT	67+00.39	20.8' RT	-	-	-	375
67+00.39	20.8' RT	67+00.39	23.1' RT	3	-	-	-
67+00.39	23.1' RT	67+00.39	26' RT	3	-	-	-
67+00.39	20.8' RT	67+07.12	20.9' RT	-	-	-	5
67+07.12	20.9' RT	71+10.91	20.3' RT	-	-	-	405
71+10.91	20.3' RT	71+22.95	20.3' RT	-	-	-	10
71+22.95	20.3' RT	71+23.33	40.3' LT	-	60	-	-
		PROJECT 1693-05-73 TOTALS		**45**	**134**	**6**	**3,227**

PROPOSED FITTINGS

STATION	LOCATION	(SPV.0060.14) 12-INCH X 6-INCH D.I. TEE EACH	(SPV.0060.13) 12-INCH X 8-INCH D.I. TEE EACH	(SPV.0060.15) 12-INCH X 10-INCH D.I. TEE EACH	(SPV.0060.16) 12-INCH X 10-INCH D.I. REDUCER EACH	(SPV.0060.10) 12-INCH D.I. 11.25° BEND EACH	(SPV.0060.09) 12-INCH D.I. 22.5° BEND EACH	(SPV.0060.08) 12-INCH D.I. 45° BEND EACH	(SPV.0060.11) 12-INCH D.I. CAP EACH	(SPV.0060.12) 8-INCH D.I. CAP EACH
28+62.19	13.5' RT	-	-	-	-	-	1	-	-	-
28+82.79	22.9' RT	-	-	-	-	-	1	-	-	-
31+43.85	20.4' RT	1	-	-	-	-	-	-	-	-
32+20.47	24.8' RT	-	-	1	-	-	-	-	-	-
32+21.12	24.8' RT	-	-	-	1	-	-	-	-	-
37+31.38	19.5' RT	-	-	-	1	-	-	-	-	-
37+33.78	19.4' RT	-	1	-	-	-	-	-	-	-
37+41.84	20.0' RT	-	-	-	-	-	-	1	-	-
37+47.25	16.3' RT	-	-	-	-	-	-	1	-	-
38+04.11	19.0' RT	1	-	-	-	-	-	-	-	-
41+02.03	17.3' RT	-	-	-	-	-	1	-	-	-
41+34.59	13.7' RT	-	-	-	-	-	1	-	-	-
41+80.17	18.4' RT	-	-	-	-	-	-	-	-	1
41+80.17	15.4' RT	-	1	-	-	-	-	-	-	-
42+11.59	16.7' RT	1	-	-	-	-	-	-	-	-
44+85.74	19.1' RT	-	-	-	-	1	-	-	-	-
44+89.99	19.2' RT	-	-	-	1		-	-	-	-
51+90.54	20.6' RT	-	-	-	1	-	-	-	-	-
52+00.91	20.67' RT	-	-	1	-	-	-	-	-	-
52+57.28	21.0' RT	1	-	-	-	-	-	-	-	-
57+86.72	21.0' RT	1	-	-	-	-	-	-	-	-
63+17.78	20.1' RT	-	1	-	-	-	-	-	-	-
67+00.39	20.8' RT	1	-	-	-	-	-	-	-	-
71+22.95	20.3' RT	-	1	-	-	-	-	-	-	-
71+24.29	20.3' RT	-	-	-	-	-	-	-	1	-
PROJECT 1693-05-73 TOTALS		**6**	**4**	**2**	**4**	**1**	**4**	**2**	**1**	**1**

2-INCH THICK RIGID INSULATION

STATION	LOCATION	(SPV.0165.01) SF
63+17.79	40.3' LT	32
71+21.00	30.5' LT	32
PROJECT 1693-05-73 TOTALS		**64**

FIRE HYDRANT

STATION	LOCATION	(SPV.0060.17) EACH
31+44.00	24.9' RT	1
38+03.92	25.8' RT	1
42+11.47	22.8' RT	1
52+57.41	31.8' RT	1
57+86.85	31.8' RT	1
67+00.39	25.9' RT	1
PROJECT 1693-05-73 TOTALS		**6**

INLET PROTECTION TYPE D

STATION	LOCATION	(628.7020) EACH
25+59.97	51.5' RT	1
26+12.34	37.4' RT	1
26+44.84	25.1' RT	1
26+46.57	21.06' LT	1
28+62.18	21.45' RT	1
37+10.47	23.1' RT	1
PROJECT 1693-05-73 TOTALS		**6**

3

3

TRENCH BACKFILL - WATER MAIN

FROM STATION	LOCATION	TO STATION	LOCATION	(SPV.0090.05) LF
26+71.16	5.3' RT	32+19.67	28.1' RT	560
37+35.76	19.5' RT	44+91.74	19.3' RT	741
51+82.29	20.6' RT	71+22.95	20.3' RT	1931
31+43.85	20.4' RT	31+44.01	24.9' RT	4
38+04.11	19.0' RT	38+03.92	25.8' RT	7
42+11.59	16.7' RT	42+11.47	22.8' RT	6
55+51.08	21.0' RT	55+51.21	31.8' RT	10
67+00.39	20.8' RT	67+00.39	26' RT	6
63+17.78	20.4' RT	63+17.79	66.5' LT	87
71+22.95	20.3' RT	71+23.33	40.3' LT	60
PROJECT 1693-05-73 TOTALS				**3,412**

ASPHALT PAVEMENT REMOVAL

FROM STATION	TO STATION	(204.0110) SY
26+66.15	28+72.76	193
27+78.62	27+98.81	27
28+84.51	29+05.15	22
31+36.72	32+29.24	103
37+20.9	38+01.77	96
41+02.41	42+35.05	109
44+12.79	44+96.48	32
63+11.81	63+23.81	88
71+16.97	71+28.97	81
PROJECT 1693-05-73 TOTALS		**751**

REMOVE & SALVAGE EXISTING HYDRANT

STATION	LOCATION	(SPV.0060.19) EA
38+03.54	32.8' RT	1
PROJECT 1693-05-73 TOTALS		**1**

BASE AGGREGATE DENSE, 3/4 INCH

FROM STATION	TO STATION	(305.0110) TON
28+50.00	71+23.00	52
PROJECT 1693-05-73 TOTALS		**52**

UTILITY LINE OPENING - ULO

STATION	LOCATION	(SPV.0060.20) EA
32+20.48	24.8' RT	1
37+33.60	19.2' RT	1
41+79.88	15.5' RT	1
52+00.91	20.6' RT	1
PROJECT 1693-05-73 TOTALS		**4**

BASE AGGREGATE DENSE, 1-1/4 INCH

FROM STATION	TO STATION	(305.0120) TON
28+50.00	71+23.00	780
PROJECT 1693-05-73 TOTALS		**780**

SAWING ASPHALT

FROM STATION	TO STATION	(690.0150) LF
26+66.15	28+72.76	224
31+36.72	32+29.24	184
37+20.9	38+01.77	134
41+02.41	42+35.05	194
44+12.79	44+96.48	91
63+11.81	63+23.81	197
71+16.97	71+28.97	183
PROJECT 1693-05-73 TOTALS		**1,207**

HMA PAVEMENT 3 LT 58-28 S

FROM STATION	TO STATION	(460.5223) TON
28+50.00	71+23.00	160
PROJECT 1693-05-73 TOTALS		**160**

TOPSOIL		
FROM STATION	TO STATION	(625.0100) SY
27+52.09	27+78.62	2
27+97.99	28+91.69	59
29+01.96	29+93.49	122
30+04.25	31+51.74	194
37+91.40	51+37.66	424
41+99.28	44+98.89	363
51+97.63	52+43.42	58
52+52.76	53+95.28	183
54+03.84	61+92.87	1046
62+05.32	71.28.94	1233
PROJECT 1693-05-73 TOTALS		**3,684**

SEEDING MIXTURE NO. 40		
STATION	LOCATION	(630.0140) LB
28+50.00	71+23.00	300
PROJECT 1693-05-73 TOTALS		**300**

TRAFFIC CONTROL DRUMS		
FROM STATION	TO STATION	(643.0300) DAY
28+50.00	71+23.00	180
PROJECT 1693-05-73 TOTALS		**180**

TRAFFIC CONTROL BARRICADES TYPE III		
FROM STATION	TO STATION	(643.0420) DAY
28+50.00	71+23.00	75
PROJECT 1693-05-73 TOTALS		**75**

TRAFFIC CONTROL BARRICADES TYPE II		
FROM STATION	TO STATION	(643.0410) DAY
32+25.63	29.8' RT	5
37+21.23	29.2' RT	5
PROJECT 1693-05-73 TOTALS		**10**

TRAFFIC CONTROL SIGNS		
FROM STATION	TO STATION	(643.0900) DAY
28+50.00	71+23.00	180
PROJECT 1693-05-73 TOTALS		**180**

EROSION MAT CLASS I TYPE A		
FROM STATION	TO STATION	(628.2002) SY
27+52.09	27+78.62	2
27+97.99	28+91.69	59
29+01.96	29+93.49	122
30+04.25	31+51.74	194
37+91.40	51+37.66	424
41+99.28	44+98.89	363
51+97.63	52+43.42	58
52+52.76	53+95.28	183
54+03.84	61+92.87	1046
62+05.32	71.28.94	1233
PROJECT 1693-05-73 TOTALS		**3,684**

FERTILIZER TYPE B		
STATION	LOCATION	(629.0210) CWT
28+50.00	71+23.00	2
PROJECT 1693-05-73 TOTALS		**2**

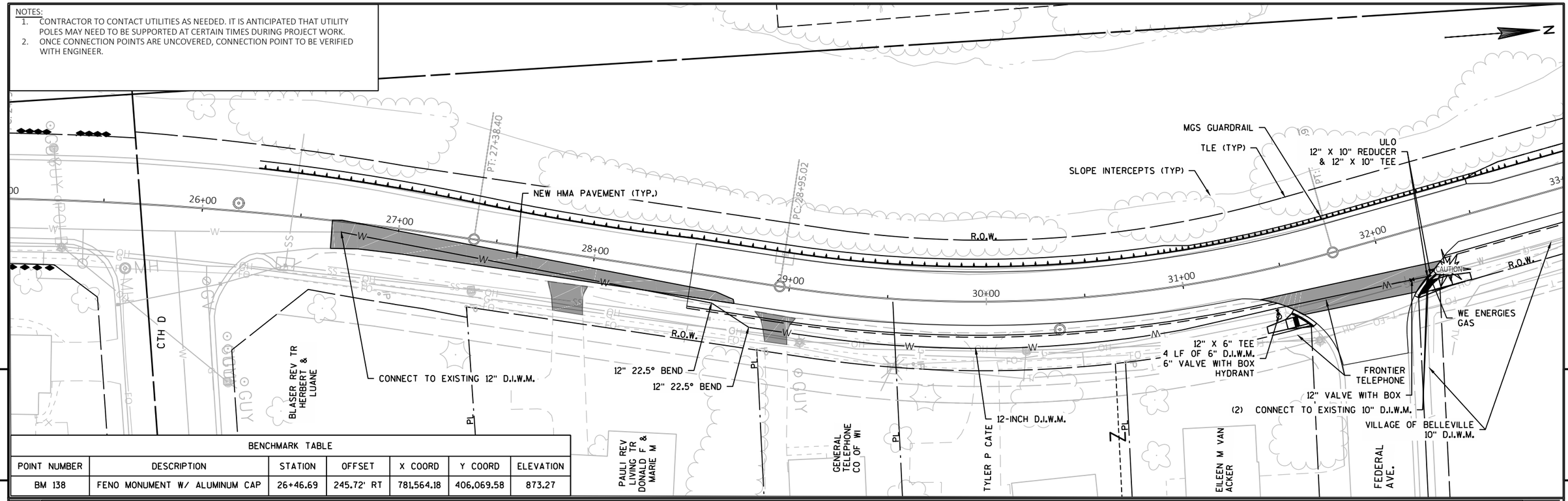
TRAFFIC CONTROL WARNING LIGHTS TYPE C		
FROM STATION	TO STATION	(643.0715) DAY
28+50.00	71+23.00	180
PROJECT 1693-05-73 TOTALS		**180**

TRAFFIC CONTROL WARNING LIGHTS TYPE A		
FROM STATION	TO STATION	(643.0705) DAY
28+50.00	71+23.00	75
PROJECT 1693-05-73 TOTALS		**75**

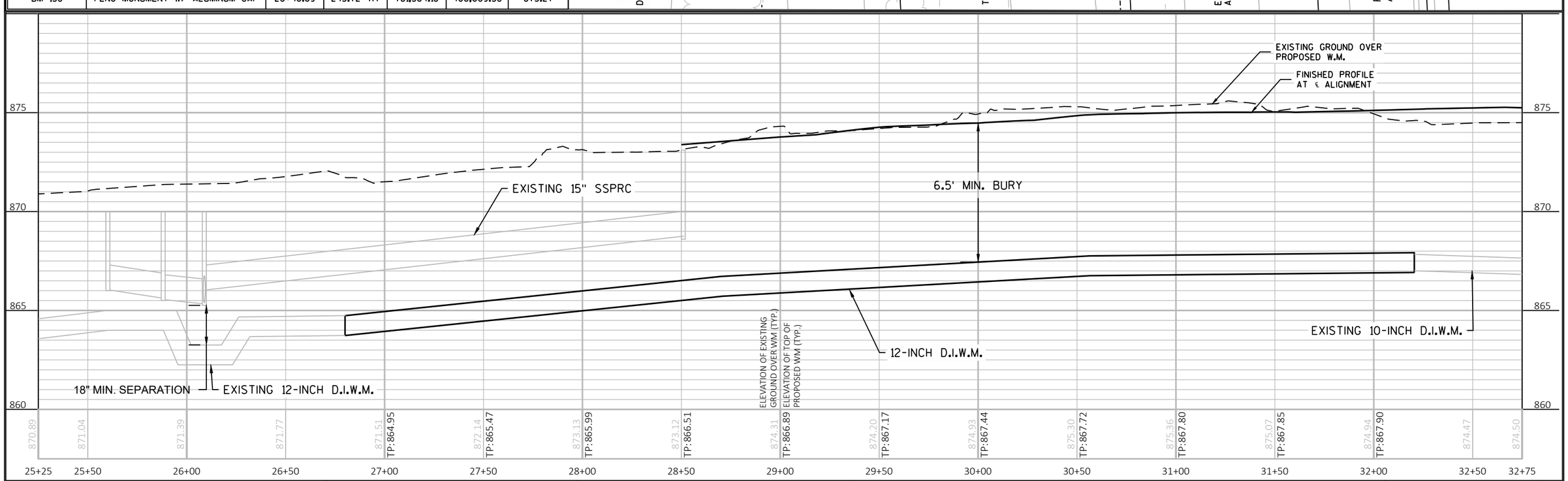
TRAFFIC CONTROL		
FROM STATION	TO STATION	(643.5000) EA
28+50.00	71+23.00	1
PROJECT 1693-05-73 TOTALS		**1**

TEMPORARY PEDESTRIAN SURFACE PLATE		
FROM STATION	TO STATION	(644.1430) SF
37+78.73	30.6' RT	100
PROJECT 1693-05-73 TOTALS		**100**

NOTES:
1. CONTRACTOR TO CONTACT UTILITIES AS NEEDED. IT IS ANTICIPATED THAT UTILITY POLES MAY NEED TO BE SUPPORTED AT CERTAIN TIMES DURING PROJECT WORK.
2. ONCE CONNECTION POINTS ARE UNCOVERED, CONNECTION POINT TO BE VERIFIED WITH ENGINEER.

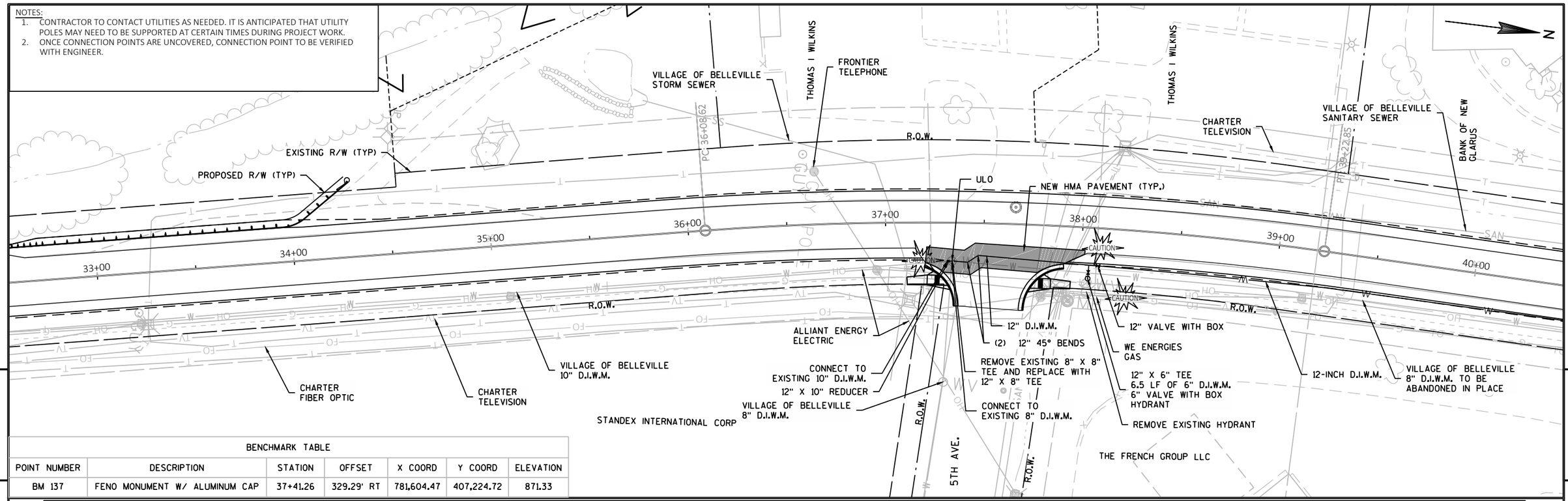


BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 138	FENO MONUMENT W/ ALUMINUM CAP	26+46.69	245.72' RT	781,564.18	406,069.58	873.27

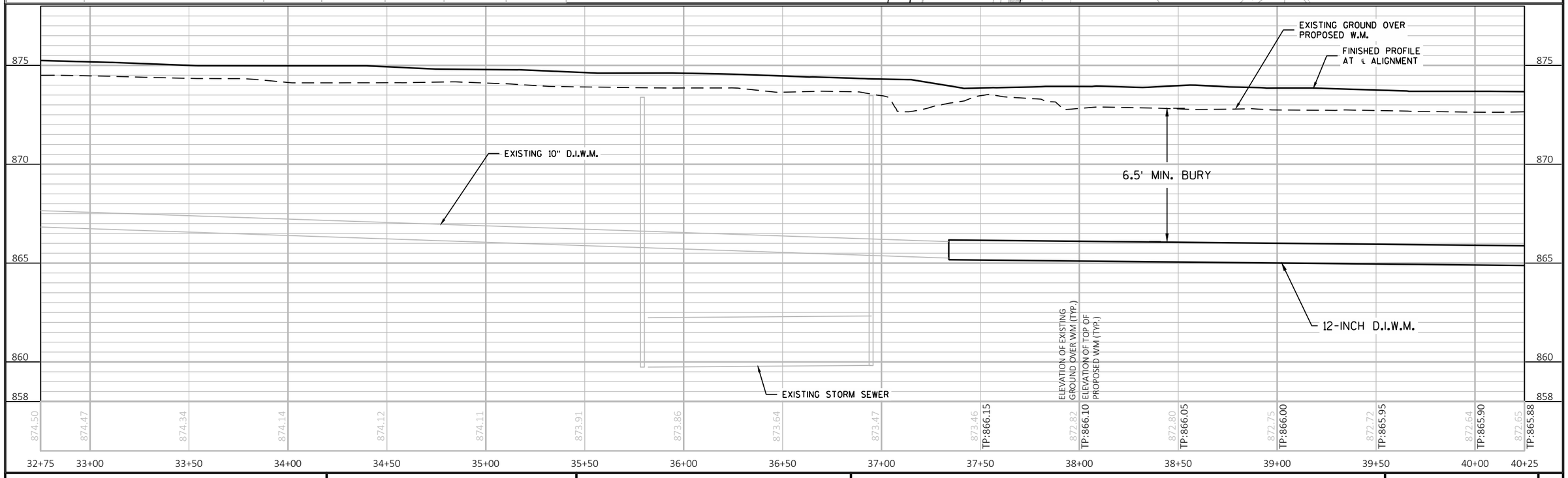


PROJECT NO: 1693-05-73	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: STH 69	SHEET 18	E

NOTES:
1. CONTRACTOR TO CONTACT UTILITIES AS NEEDED. IT IS ANTICIPATED THAT UTILITY POLES MAY NEED TO BE SUPPORTED AT CERTAIN TIMES DURING PROJECT WORK.
2. ONCE CONNECTION POINTS ARE UNCOVERED, CONNECTION POINT TO BE VERIFIED WITH ENGINEER.

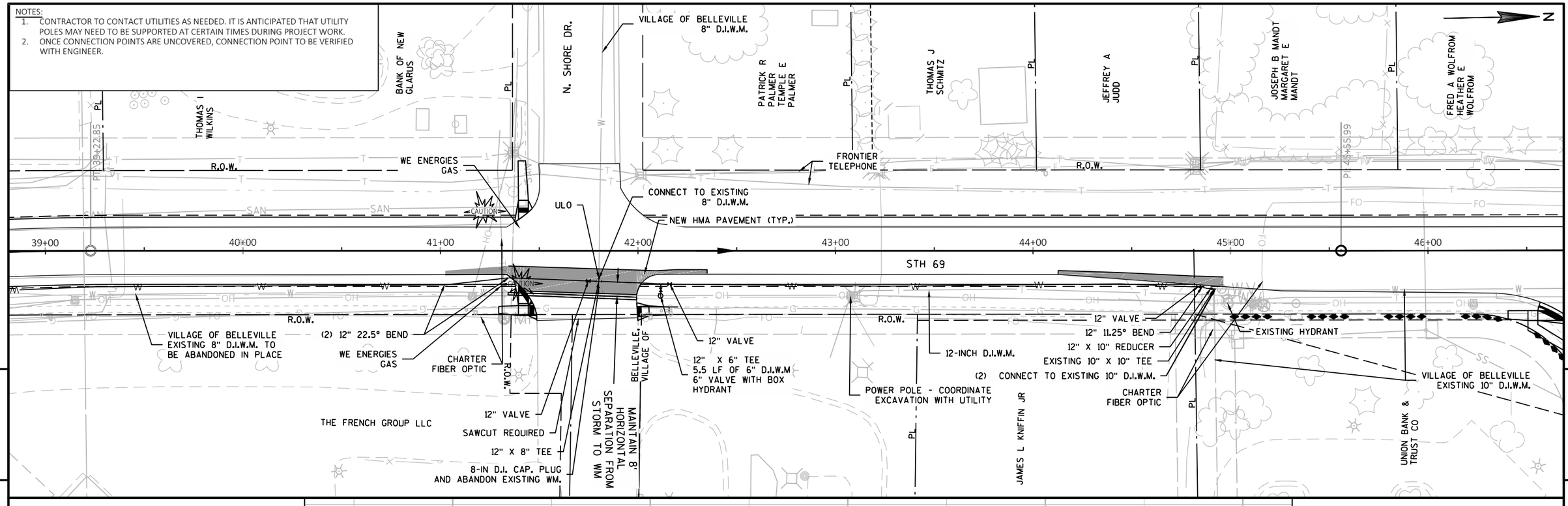


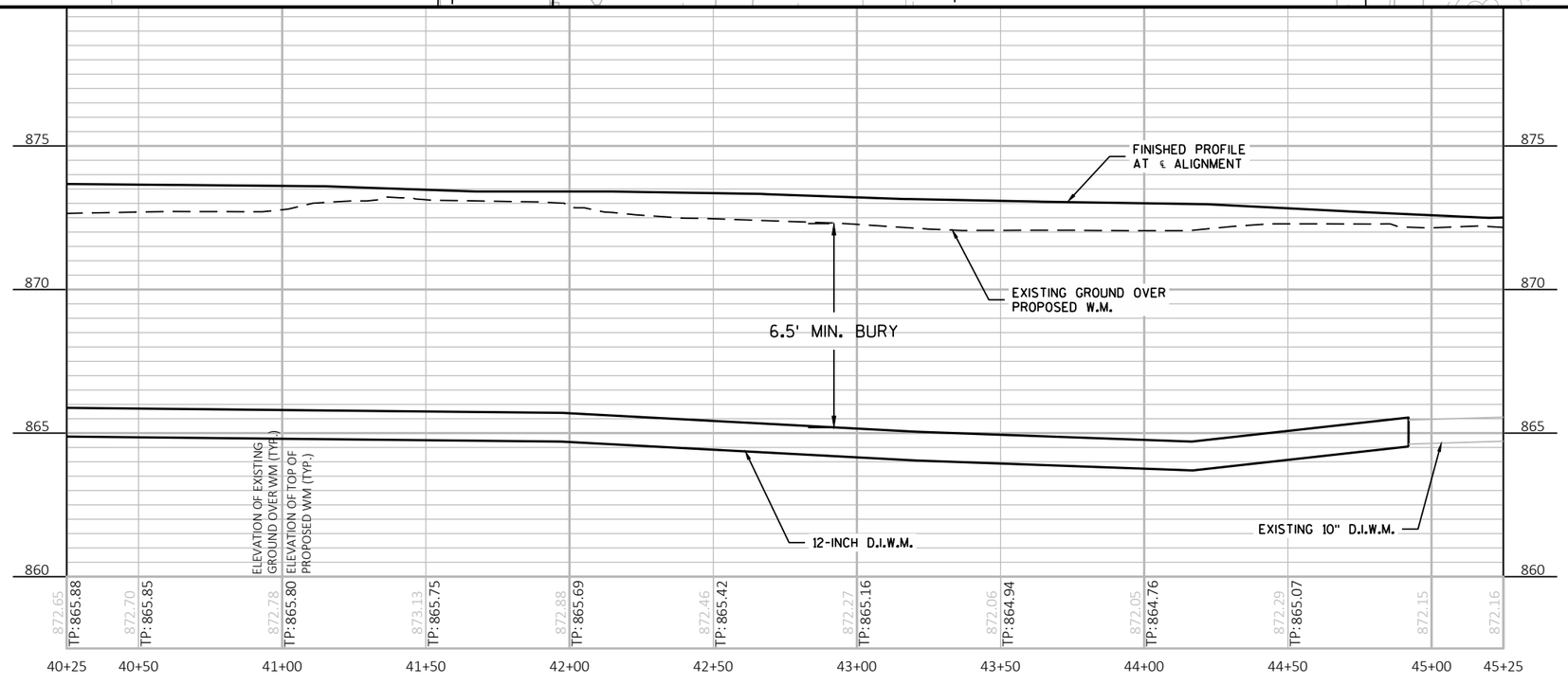
BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 137	FENO MONUMENT W/ ALUMINUM CAP	37+41.26	329.29' RT	781,604.47	407,224.72	871.33



PROJECT NO: 1693-05-73	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: STH 69	SHEET 19	E

NOTES:
1. CONTRACTOR TO CONTACT UTILITIES AS NEEDED. IT IS ANTICIPATED THAT UTILITY POLES MAY NEED TO BE SUPPORTED AT CERTAIN TIMES DURING PROJECT WORK.
2. ONCE CONNECTION POINTS ARE UNCOVERED, CONNECTION POINT TO BE VERIFIED WITH ENGINEER.

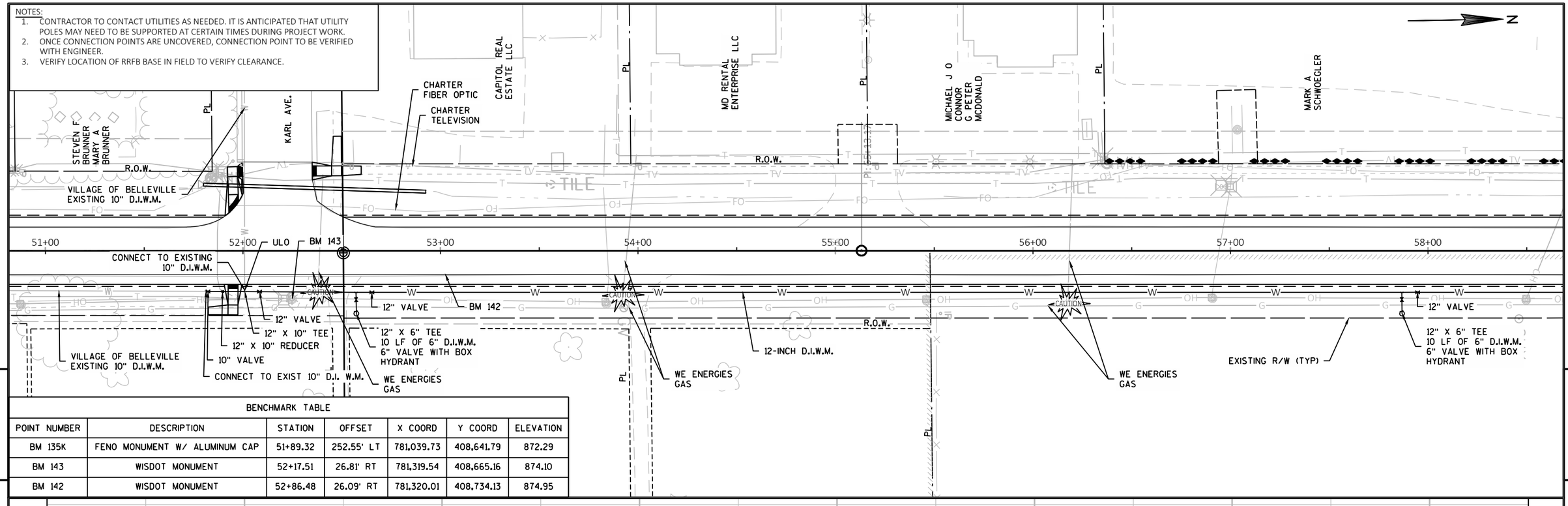




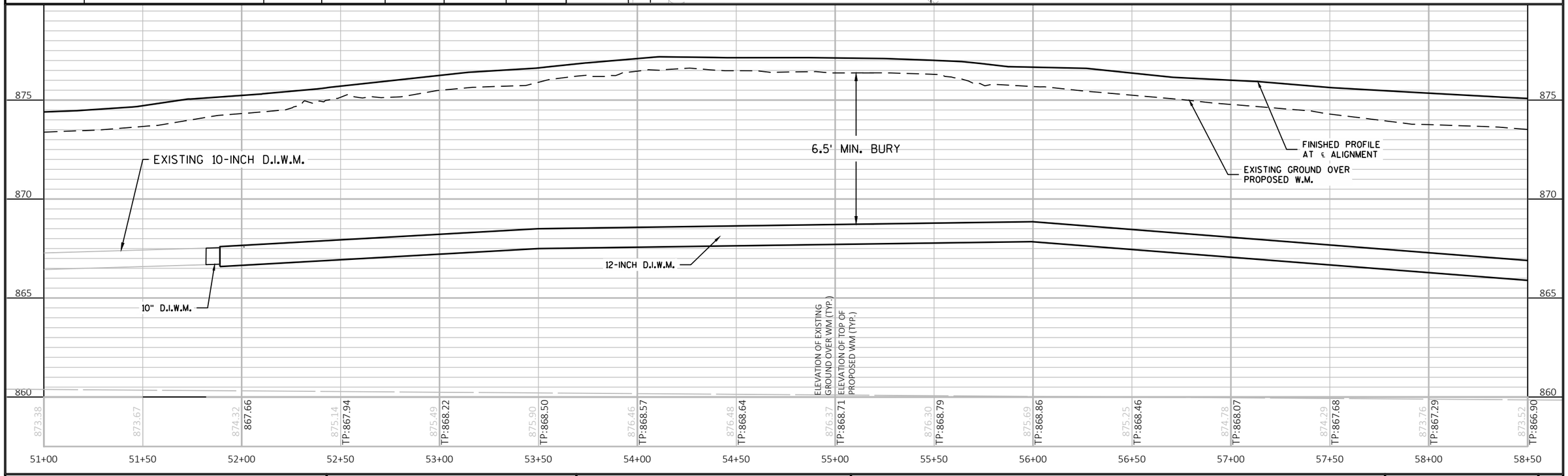
PROJECT NO: 1693-05-73	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: STH 69	SHEET 20	E

FILE NAME : P:\370S\372\00372085\CADD\SHEETSPLAN_PP.DWG
LAYOUT NAME - 3
PLOT DATE : 8/18/2021 11:34 AM
PLOT BY : JESSIKA MCNELLIS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

NOTES:
1. CONTRACTOR TO CONTACT UTILITIES AS NEEDED. IT IS ANTICIPATED THAT UTILITY POLES MAY NEED TO BE SUPPORTED AT CERTAIN TIMES DURING PROJECT WORK.
2. ONCE CONNECTION POINTS ARE UNCOVERED, CONNECTION POINT TO BE VERIFIED WITH ENGINEER.
3. VERIFY LOCATION OF RRFB BASE IN FIELD TO VERIFY CLEARANCE.

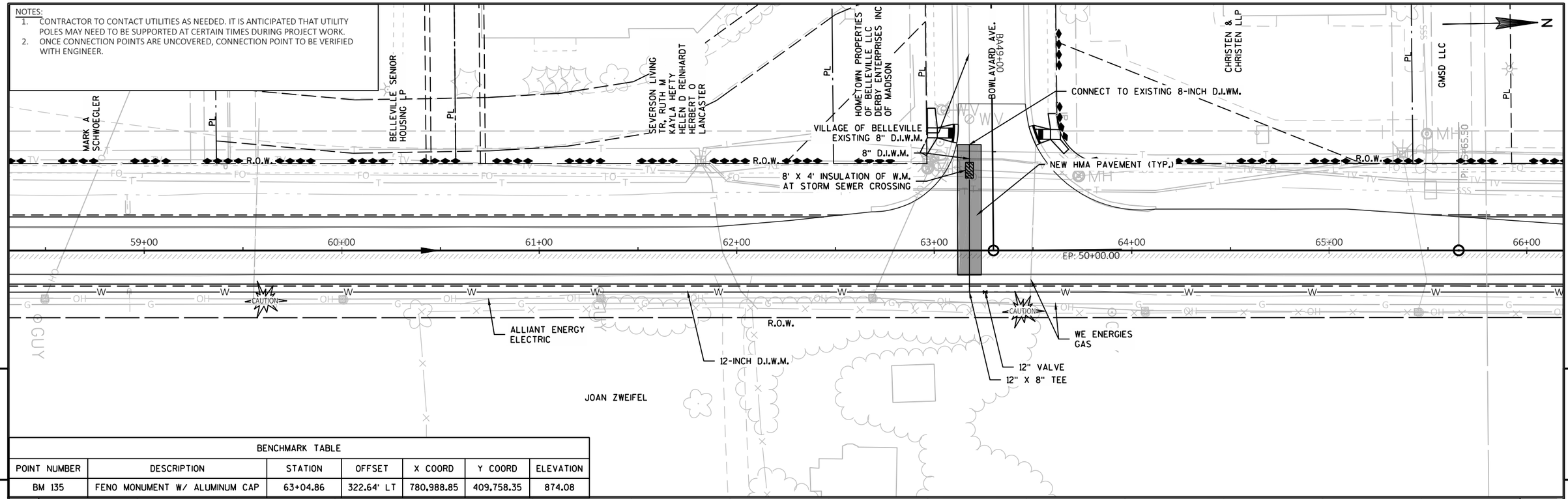


BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 135K	FENO MONUMENT W/ ALUMINUM CAP	51+89.32	252.55' LT	781,039.73	408,641.79	872.29
BM 143	WISDOT MONUMENT	52+17.51	26.81' RT	781,319.54	408,665.16	874.10
BM 142	WISDOT MONUMENT	52+86.48	26.09' RT	781,320.01	408,734.13	874.95

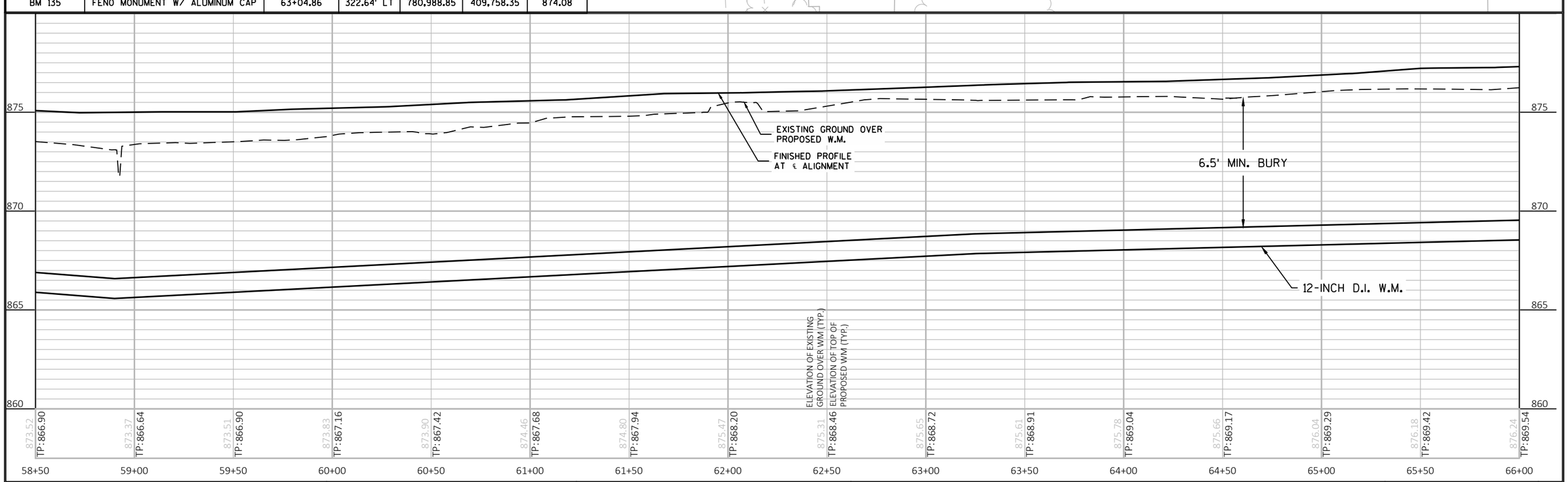


PROJECT NO: 1693-05-73	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: STH 69	SHEET 21	E

NOTES:
1. CONTRACTOR TO CONTACT UTILITIES AS NEEDED. IT IS ANTICIPATED THAT UTILITY POLES MAY NEED TO BE SUPPORTED AT CERTAIN TIMES DURING PROJECT WORK.
2. ONCE CONNECTION POINTS ARE UNCOVERED, CONNECTION POINT TO BE VERIFIED WITH ENGINEER.



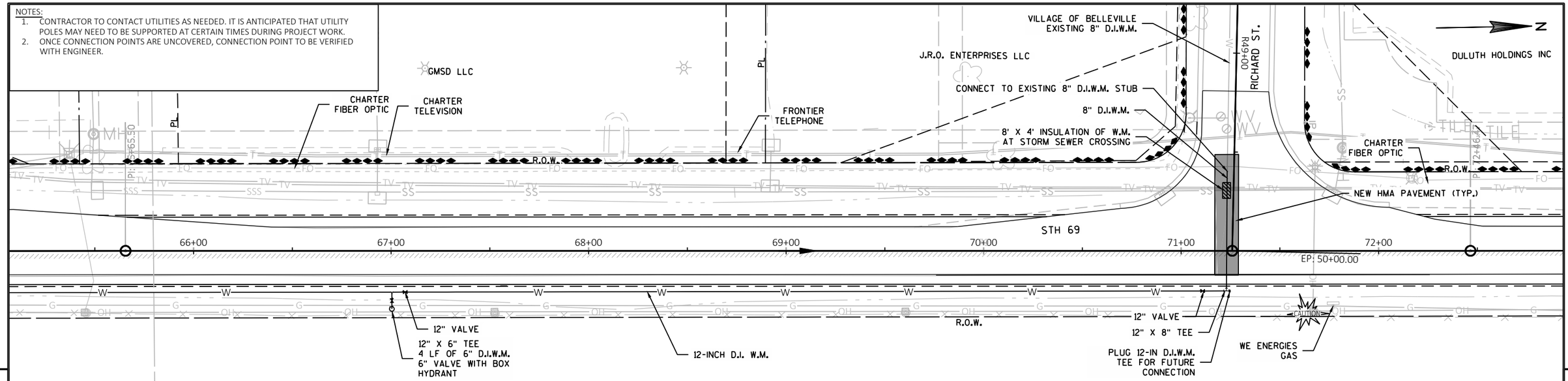
BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 135	FENO MONUMENT W/ ALUMINUM CAP	63+04.86	322.64' LT	780,988.85	409,758.35	874.08



PROJECT NO: 1693-05-73	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: STH 69	SHEET 22 E

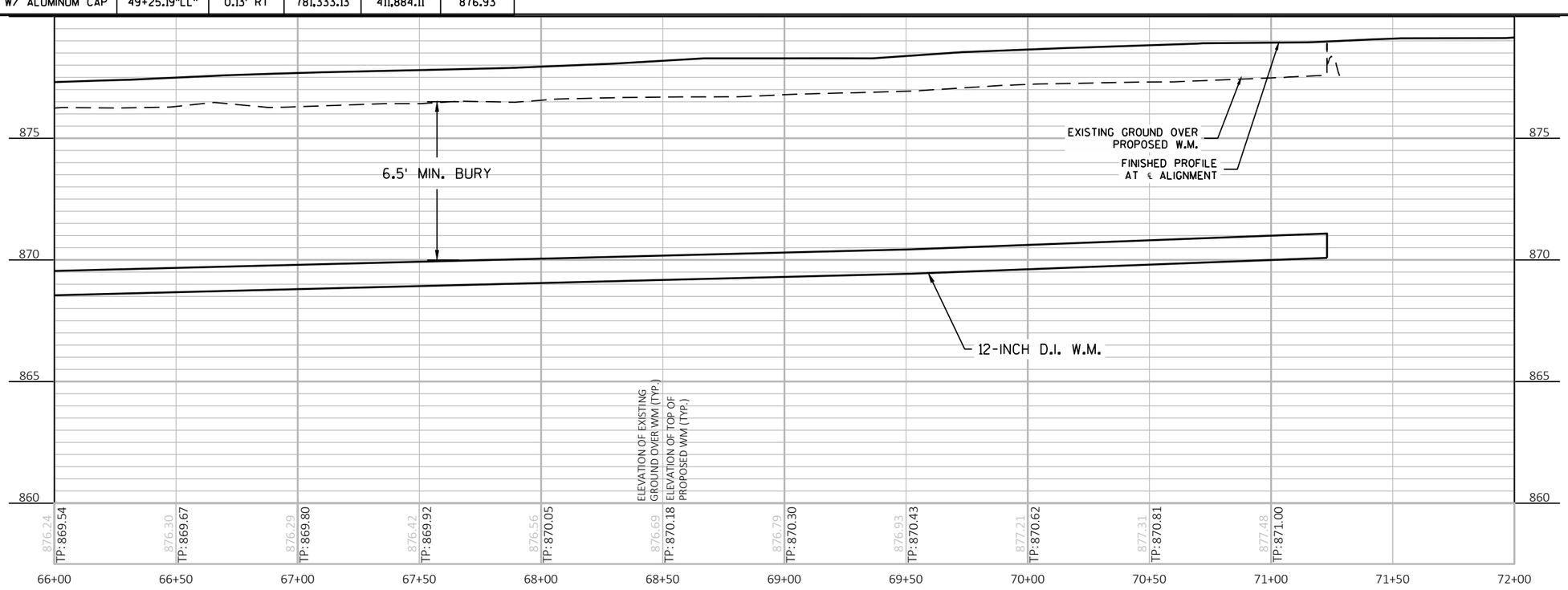
FILE NAME : P:\370S\372\00372085\CADD\SHEETSPLAN_PP.DWG
LAYOUT NAME - 5
PLOT DATE : 8/18/2021 11:36 AM
PLOT BY : JESSIKA MCNELLIS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

NOTES:
1. CONTRACTOR TO CONTACT UTILITIES AS NEEDED. IT IS ANTICIPATED THAT UTILITY POLES MAY NEED TO BE SUPPORTED AT CERTAIN TIMES DURING PROJECT WORK.
2. ONCE CONNECTION POINTS ARE UNCOVERED, CONNECTION POINT TO BE VERIFIED WITH ENGINEER.



BENCHMARK TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	X COORD	Y COORD	ELEVATION
BM 134R	FENO MONUMENT W/ ALUMINUM CAP	71+53.61	338.64' LT	780,988.30	410,607.73	877.51
BM 134	FENO MONUMENT W/ ALUMINUM CAP	47+45.37"GE"	19.49' LT	781,085.55	411,380.12	877.71
B 133	FENO MONUMENT W/ ALUMINUM CAP	49+25.19"LL"	0.13' RT	781,333.13	411,884.11	876.93

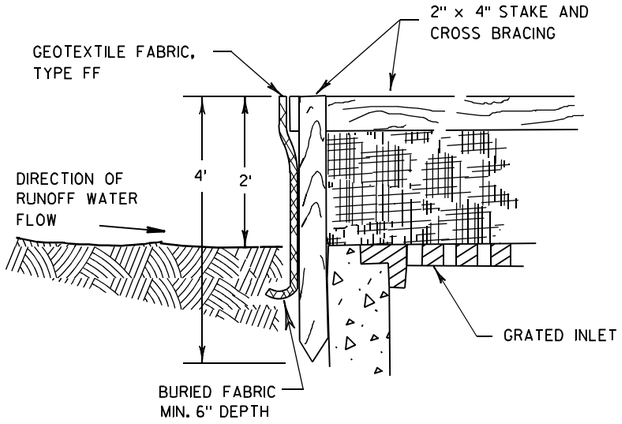
JOAN ZWEIFEL

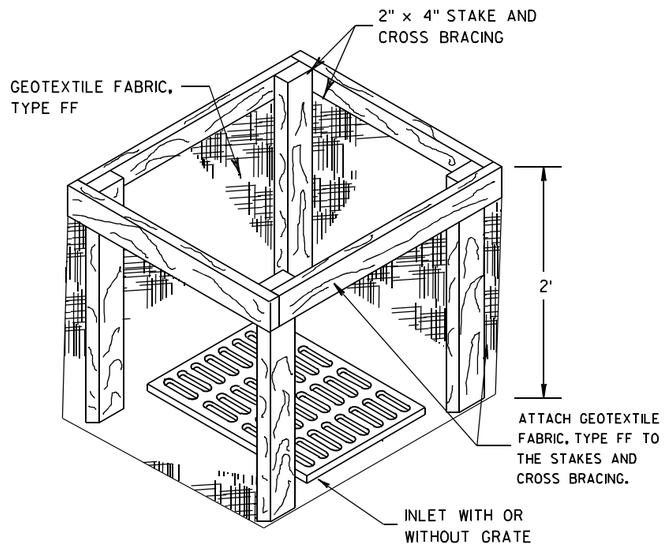


PROJECT NO: 1693-05-73	HWY: STH 69	COUNTY: DANE	PLAN AND PROFILE: STH 69	SHEET 23	E

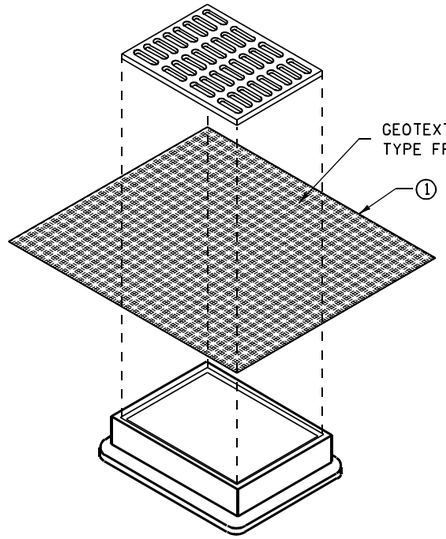
Standard Detail Drawing List

08E10-02	INLET PROTECTION TYPE A, B, C AND D
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15D12-09A	TRAFFIC CONTROL, LANE CLOSURE
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS



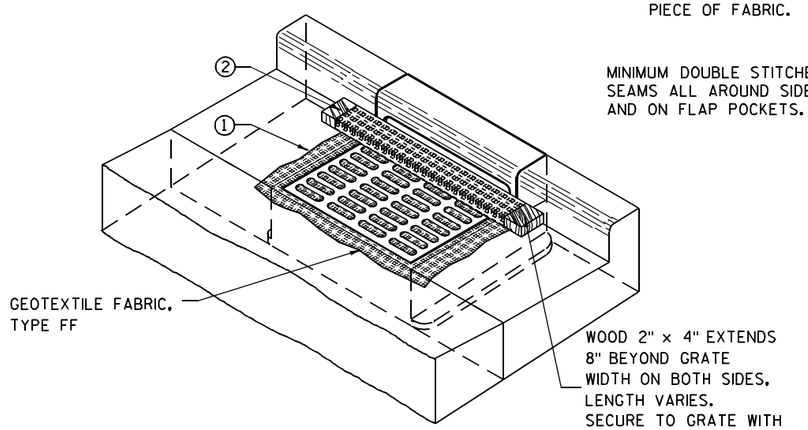


INLET PROTECTION, TYPE A

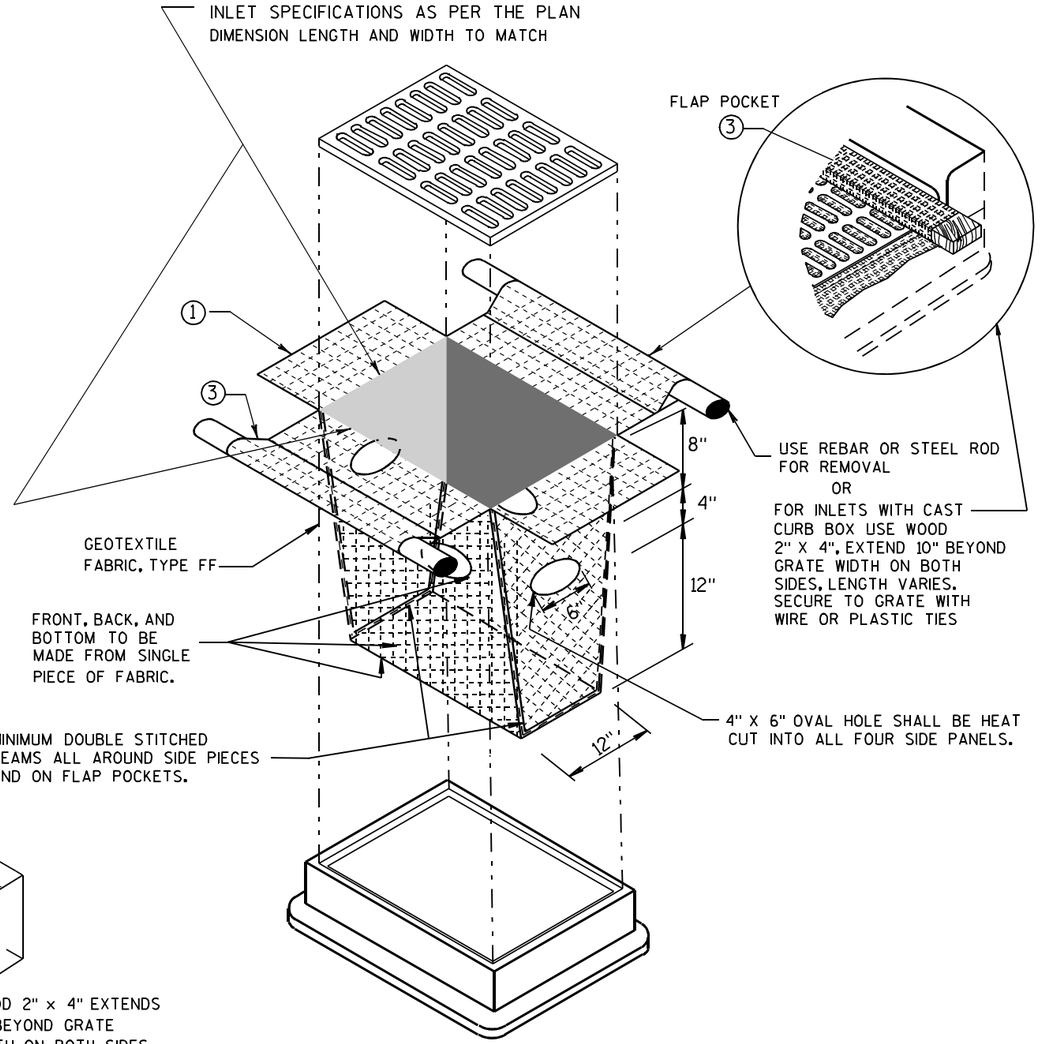


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

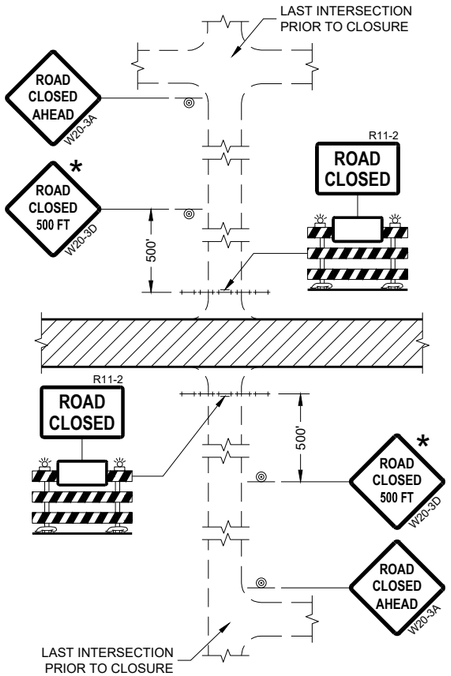
APPROVED

10/16/02
DATE

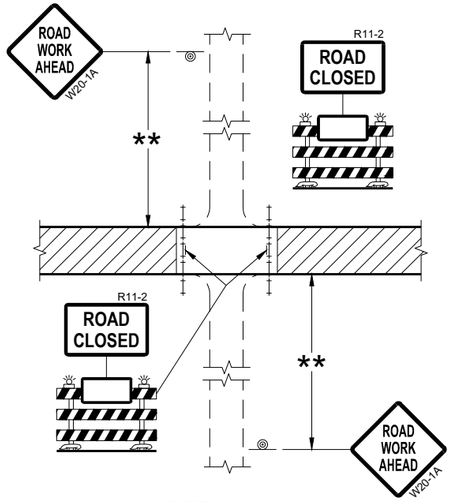
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

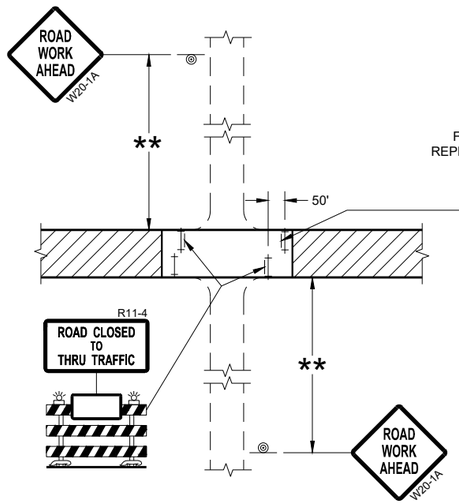
6
S.D.D. 8 E 10-2



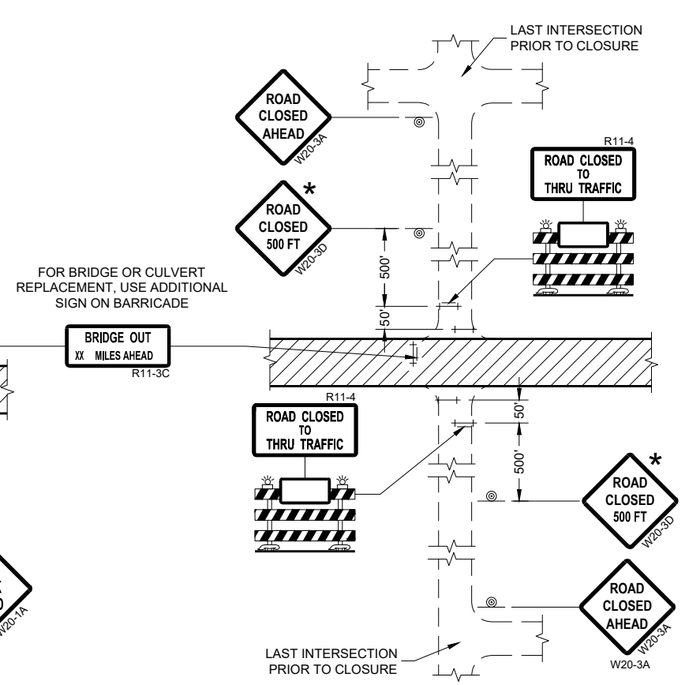
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

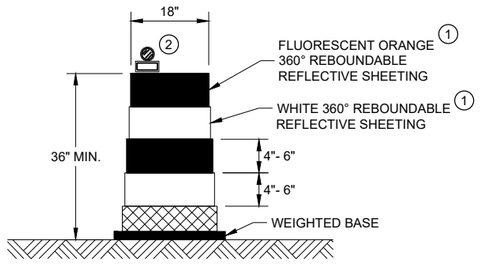
FHWA

6

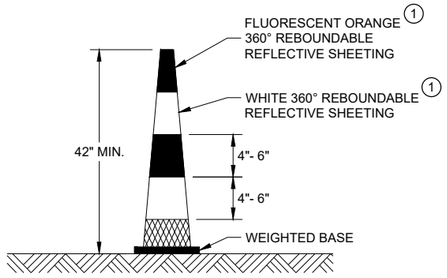
SDD 15C03 - 05

GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.

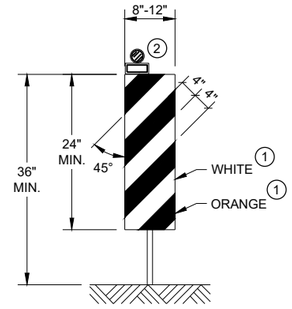


DRUM



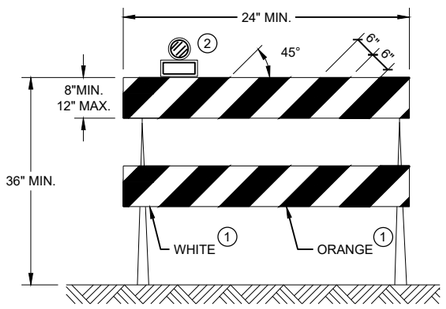
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



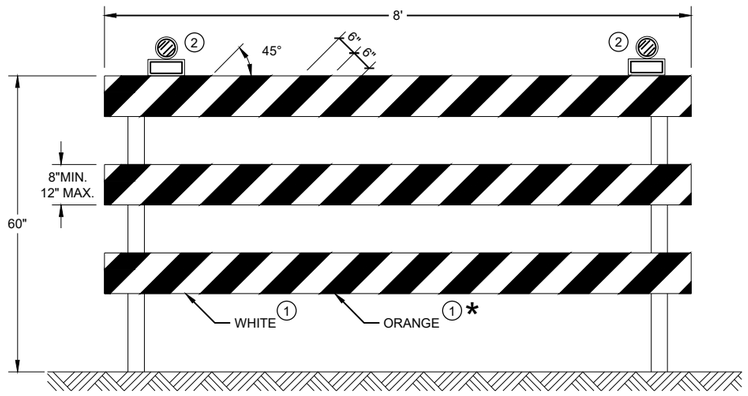
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD15C11 - 09b

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SDD15C11 - 09b

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

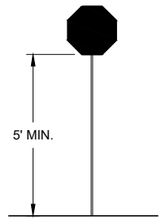
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FOR THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



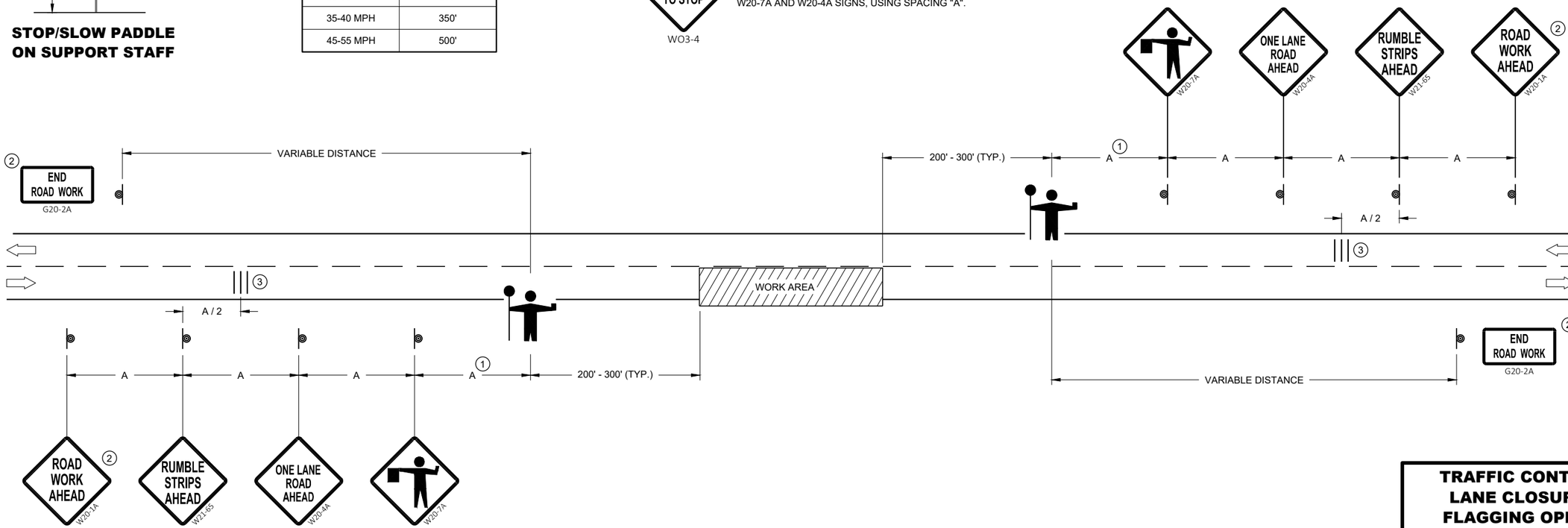
STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C12 - 07

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

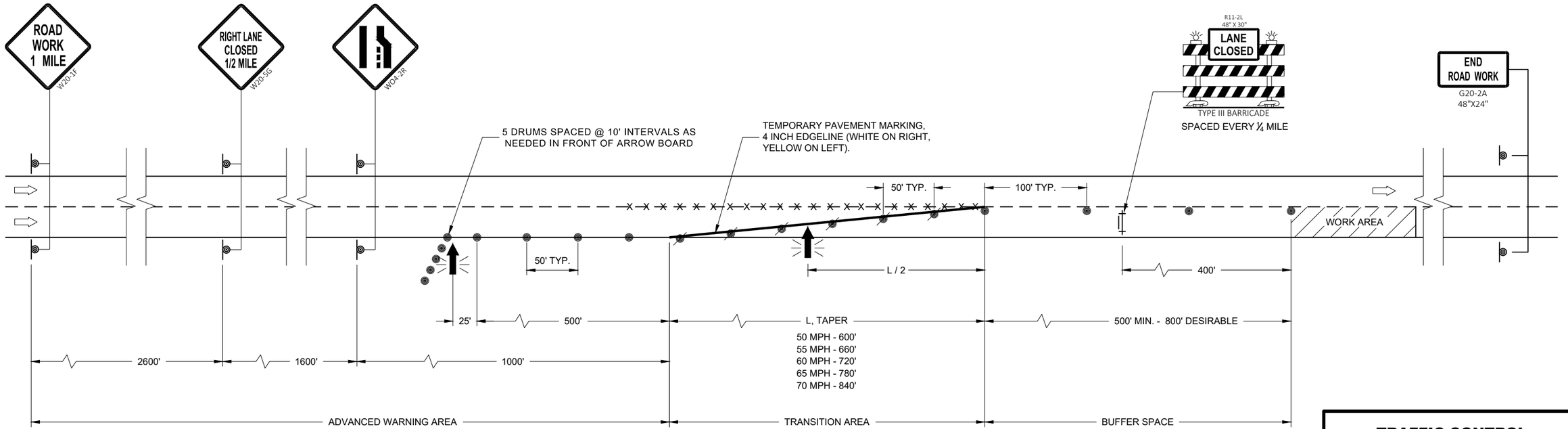
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15D12 - 09a

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SDD 15D12 - 09a

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

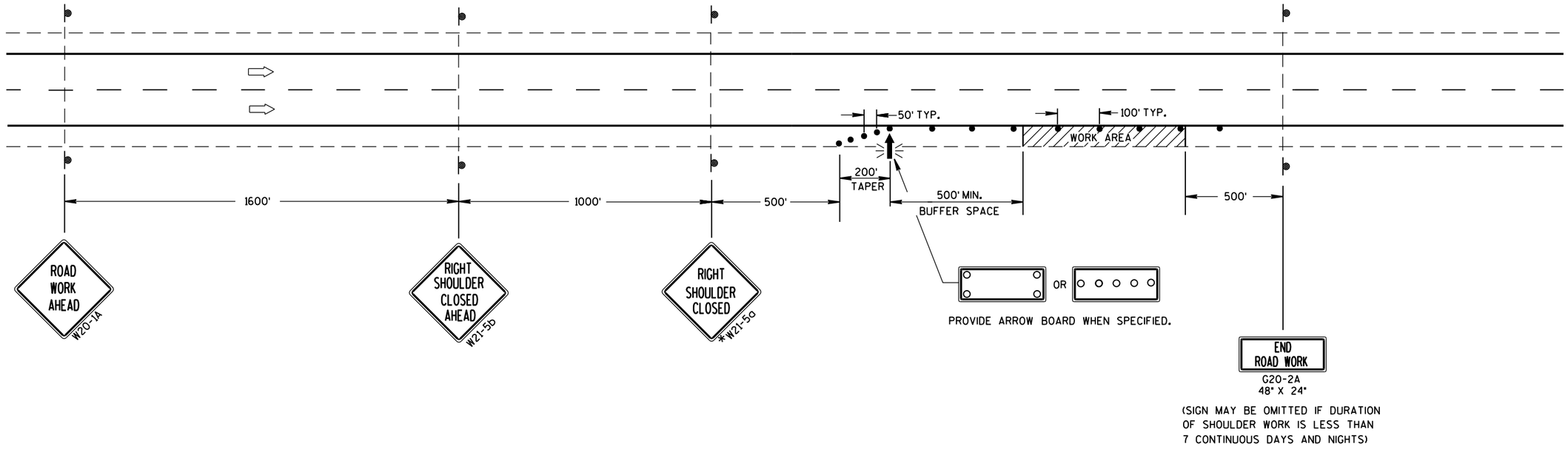
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2016 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible]

FHWA

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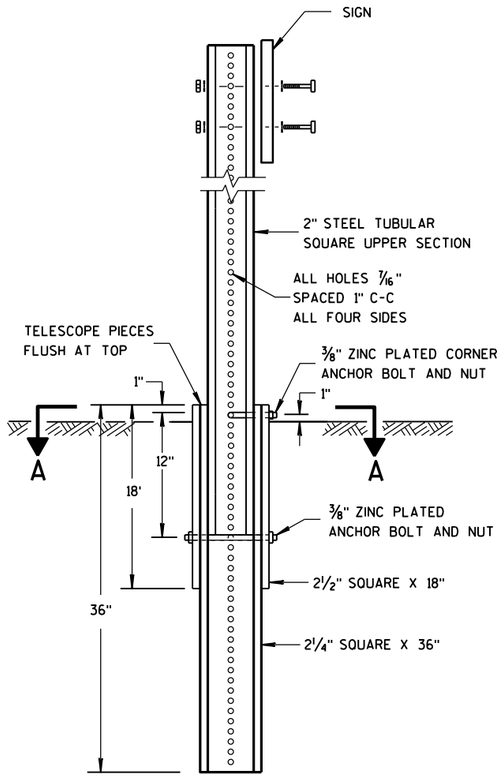
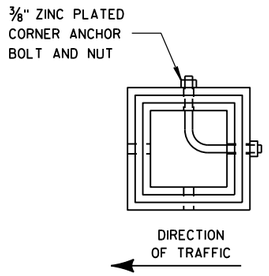
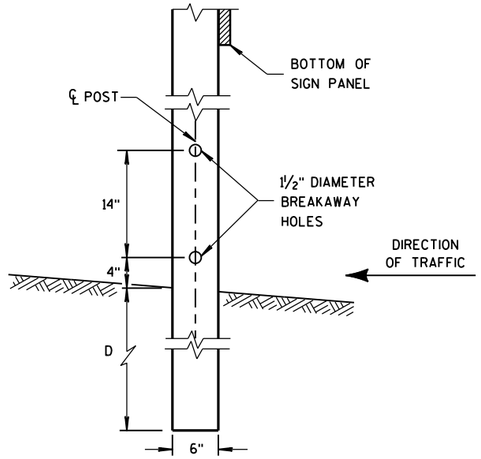
S.D.D. 15 D 27-3



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



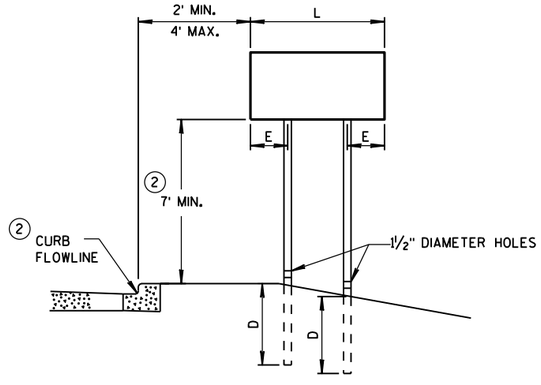
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

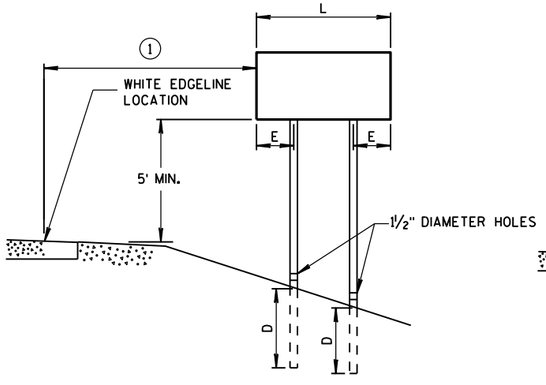
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

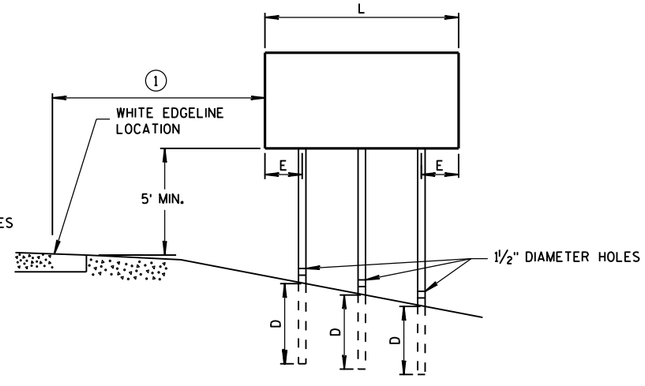
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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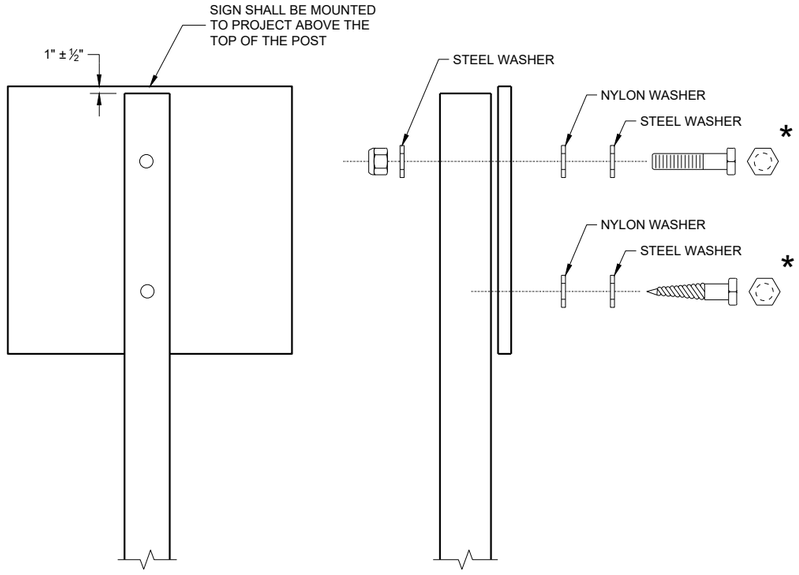
S.D.D. 15 D 38-2a
S.D.D. 15 D 38-2a



NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS
SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM
   DESIGNATION: A 153, CLASS D, OR SC 3
B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM
   DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POST (4" x 6")
LAG SCREWS - ⅜" x 3"
MACHINE BOLTS - 5/16" x 6 ½" OR 7" LENGTH W/NUTS

SQUARE STEEL POST (2" x 2")
MACHINE BOLTS - ⅜" x 3 ¼" LENGTH W/NUTS
RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM
BODY/MANDREL O.D. FLANGE 0.720 - 0.765 INCH,
GRIP RANGE 0.042 - 0.375 INCH

WASHERS (ALL POSTS) -
1 ¼" O.D. x ⅜" I.D. x 1/16" STEEL
1 ¼" O.D. x ⅜" I.D. x 0.080 NYLON

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

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SDD 15D38 - 02b

SDD 15D38 - 02b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov