RHI

FEBRUARY 2024

PROJECT ID: 6999-09-72

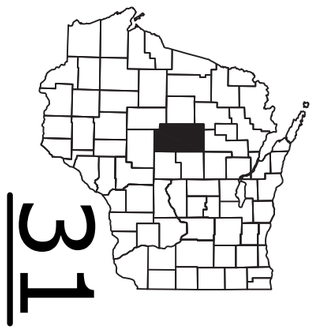
WITH: N/A

COUNTY: MARATHON

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control)
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 = 608



N

DESIGN DESIGNATION STEWART AVENUE

A.A.D.T.	2024	=	3,300 - 5150
A.A.D.T.	2044	=	4,000 - 6,150
D.H.V.	2044	=	UNKNOWN
D.D.		=	50/50
T.		=	5.5% - 9.8%
DESIGN SPEED		=	40
ESALS		=	560,000

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 (300'EB')
- 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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

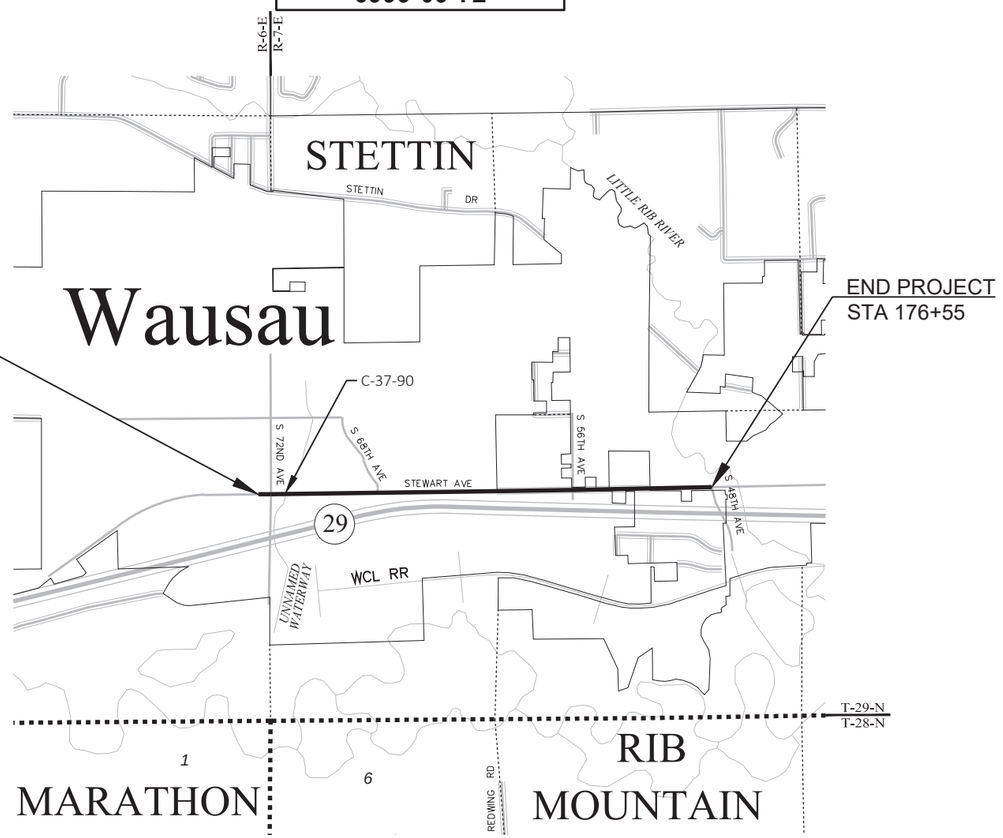
C WAUSAU, STEWART AVENUE

S 72ND AVENUE TO S 48TH AVENUE

LOC STR
MARATHON COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6999-09-72	WISC 2024256	1

STATE PROJECT NUMBER **6999-09-72**



BEGIN PROJECT
STA 98+35
Y=200,326.95
X=255,929.86

END PROJECT
STA 176+55

LAYOUT

SCALE 0 0.5 MI

TOTAL NET LENGTH OF CENTERLINE = 1.481 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), MARATHON 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.

ACCEPTED FOR

CITY OF WAUSAU

Date 16-Oct-23 (Signature and Title of Official)

ORIGINAL PLANS PREPARED BY

emcs

500 North 17th Avenue
Wausau, WI 54401
715.845.1081 Fax 715.845.1099

WISCONSIN
STEPHANIE G. CHRISTENSEN
E-35909
WAUSAU, WI
PROFESSIONAL ENGINEER

10/12/23 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	EMCS, INC.
Designer	EMCS, INC.
Project Manager	MICHAEL GRAGE
Regional Examiner	MICHAEL GRAGE
Regional Supervisor	DAN ERVA

APPROVED FOR THE DEPARTMENT

DATE: 10/18/2023 (Signature)

E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\010101-TI.DWG PLOT DATE : 8/16/2023 11:29 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

GENERAL NOTES

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

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON PLANS ARE APPROXIMATE.
THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

AS-BUILTS USED FOR PLAN DEVELOPMENT

PROJECT NO: FEDERAL AID PROJECT 445C, CONSTRUCTION YEAR: 1927 (ORIGNAL STEWART AVENUE CONSTRUCTION)
PROJECT NO: 1053-06-71, CONSTRUCTION YEAR: 1990 (72ND AVENUE/STEWART AVENUE INTERSECTION)
PROJECT NO: 6999-08-81, CONSTRUCTION YEAR: 2008 (STEWART AVENUE FROM 48TH AVENUE TO THE EAST)

ORDER OF SECTION 2 SHEETS

PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PAVING DETAILS
CURB RAMP DETAILS
EROSION CONTROL
STORM SEWER
UTILITY PLAN
PERMANENT SIGNING
TRAFFIC SIGNAL PLAN
PAVEMENT MARKING
TRAFFIC CONTROL
DETOUR

UTILITIES

COMMUNICATIONS

CITY COUNTY IT COMMISSION
GERARD KLEIN
407 GRANT STREET
WAUSAU, WI 54403
OFFICE PHONE: (715) 261-6707
GERARD.KLEIN@CO.MARATHON.WI.US

FRONTIER COMMUNICATIONS OF WI LLC
CHAD SCHMIDT
330 BLACKBURN STREET
RIPON, WI 54971
OFFICE PHONE: (920) 872-2902
MOBILE PHONE: (715) 571-6901
CHAD.SCHMIDT@JSITEL.COM

NET-LEC LLC
RICK VINCENT
470 SECURITY BLVD
GREEN BAY, WI 54313
MOBILE PHONE: (920) 617-7316
RICK.VINCENT@NSIGHT.COM

SPECTRUM
SCOTT GOHDES
853 MCINTOSH STREET
WAUSAU, WI 54403
OFFICE PHONE: (715) 803-2989
MOBILE PHONE: (715) 519-0065
SCOTT.GOHDES@CHARTER.COM

TDS METROCOM LLC
ROD LINDEMANN
9508 S WASHINGTON AVENUE
MARSHFIELD, WI 54449
MOBILE PHONE: (715) 383-9217
RODNEY.LINDEMANN@TDSTELECOM.COM

ELECTRIC - DISTRIBUTION

WISCONSIN PUBLIC SERVICE CORPORATION
JESSE PATTEN
1700 SHERMAN STREET
P.O. BOX 1166
WAUSAU, WI 54402
OFFICE PHONE: (715) 848-7405
MOBILE PHONE: (715) 573-0349
JESSE.PATTEN@WISCONSINPUBLICSERVICE.COM

GAS/PETROLEUM

WISCONSIN PUBLIC SERVICE CORPORATION
TYLER DAHLSTROM
1700 SHERMAN STREET
P.O. BOX 1166
WAUSAU, WI 54402
OFFICE PHONE: (715) 848-7387
MOBILE PHONE: (715) 432-9212
TYLER.DAHLSTROM@WISCONSINPUBLICSERVICE.COM

SEWER

WAUSAU WATER WORKS
RYAN DWELLY
407 GRANT STREET
WAUSAU, WI 54403
OFFICE PHONE: (715) 261-6948
MOBILE PHONE: (715) 574-3149
RYAN.DWELLY@CI.WAUSAU.WI.US

WATER

WAUSAU WATER WORKS
SHANNON LANE
407 GRANT STREET
WAUSAU, WI 54403
OFFICE PHONE: (715) 261-7281
MOBILE PHONE: (715) 571-9774
SHANNON.LANE@CI.WAUSAU.WI.US

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

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 = 23.1 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 17.9 ACRES

OTHER CONTACTS

DESIGNER CONTACTS

EMCS, INC.
500 NORTH 17TH AVENUE
WAUSAU, WI 54401
OFFICE: (715) 845-1081

CLARK DIETZ (SEWER AND WATER DESIGNER)
500 NORTH 3RD STREET, SUITE 703
WAUSAU, WI 54403
OFFICE: (715) 841-9251

DNR LIAISON

JIM DOPERALSKI
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
2984 SHAWANO AVENUE
GREEN BAY, WI 54313-6727
(920) 412-0165
JAMES.DOPERALSKI@WISCONSIN.GOV

TRAFFIC & LIGHTING CONTACT

RICK PERGOLSKI
CITY OF WAUSAU
(715) 261-6782
RICK.PERGOLSKI@CI.WAUSAU.WI.US

CITY OF WAUSAU CONTACTS

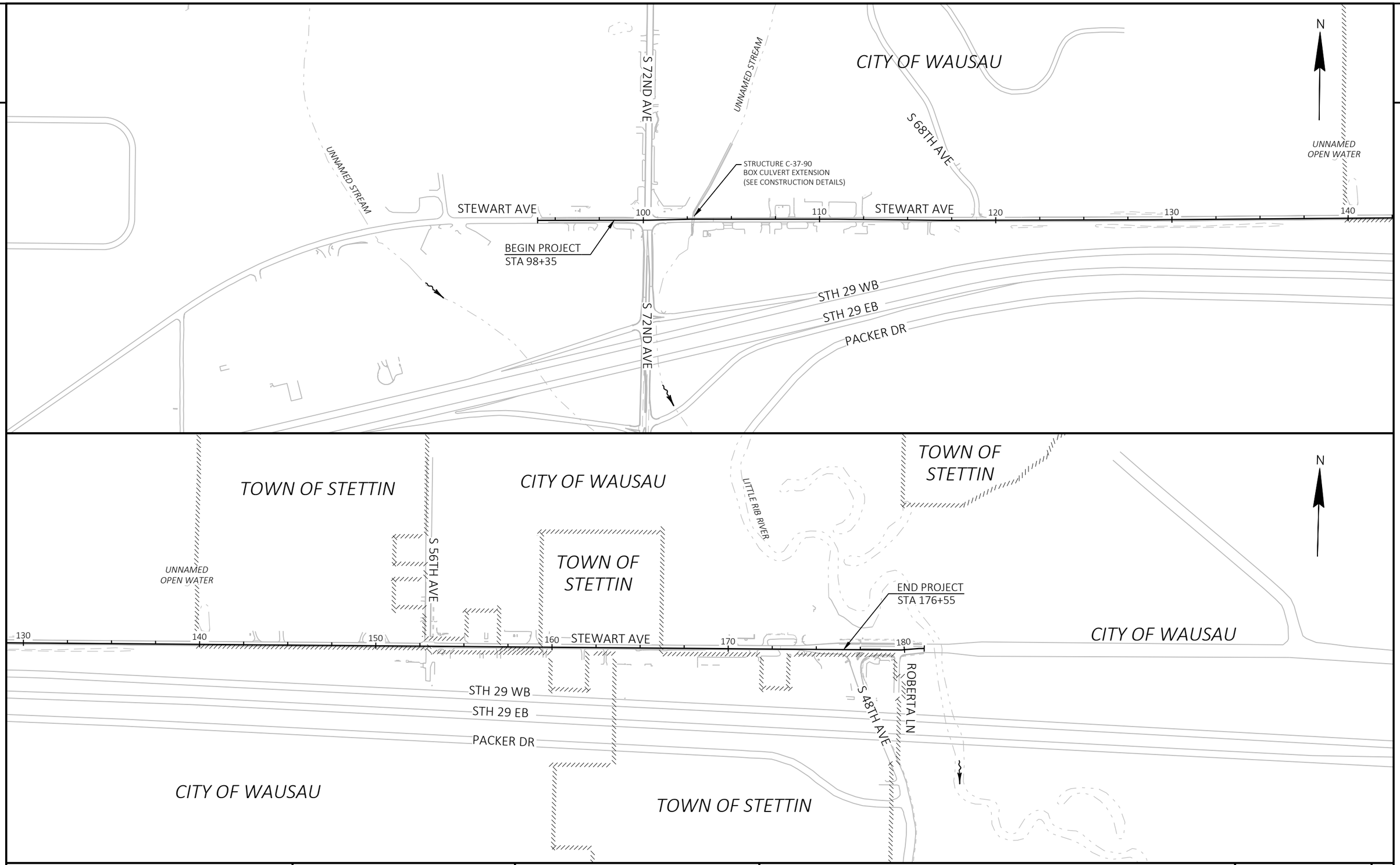
CITY OF WAUSAU - ENGINEERING DEPARTMENT
CITY HALL
407 GRANT STREET
WAUSAU, WI 54403
OFFICE: (715) 261-6740
FAX: (715) 261-6759
AFTER HOURS: (715) 849-7798
ENGINEERING@CI.WAUSAU.WI.US

ERIC LINDMAN - DIRECTOR OF PUBLIC WORKS & UTILITIES
OFFICE: (715) 261-6745
ERIC.LINDMAN@CI.WAUSAU.WI.US

ALLEN WESOLOWSKI - CITY ENGINEER
OFFICE: (715) 261-6762
ALLEN.WESOLOWSKI@CI.WAUSAU.WI.US

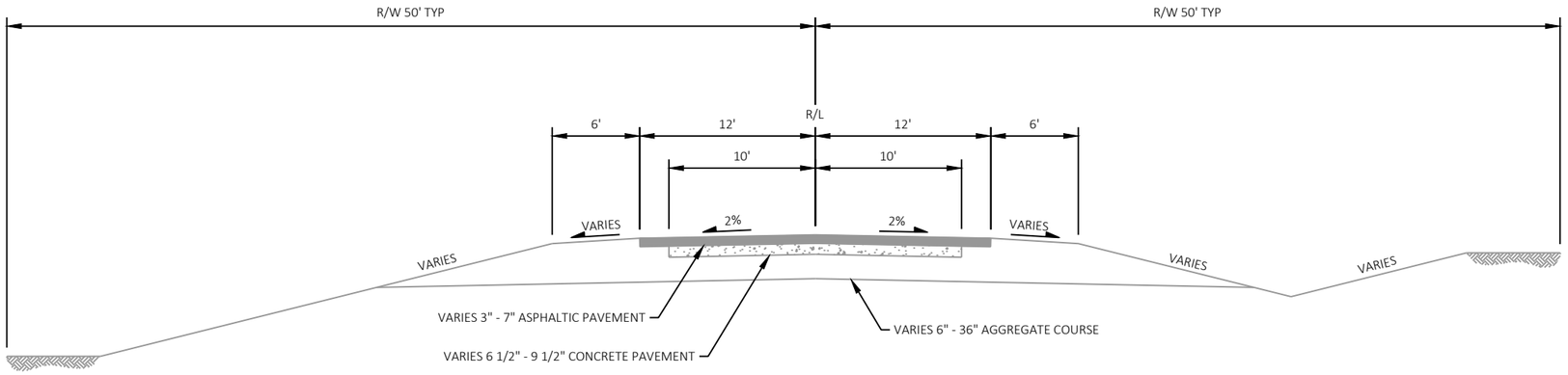
DAVID HUEMPFNER - CITY SURVEYOR
OFFICE: (715) 261-6754
DAVID.HUEMPFNER@CI.WAUSAU.WI.US

2



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PROJECT OVERVIEW	SHEET 3	E

2



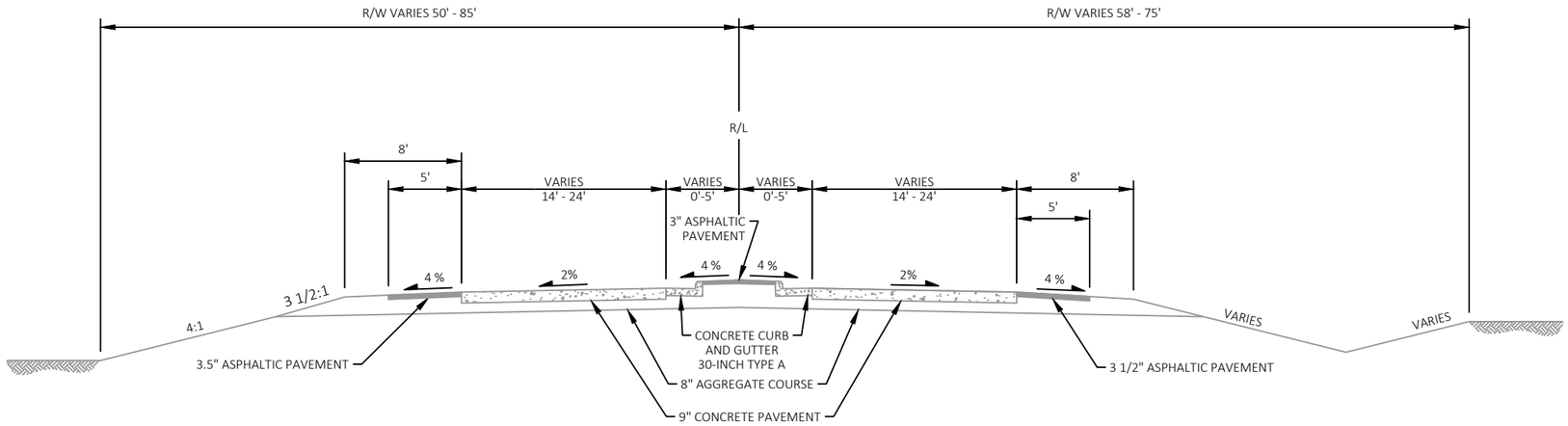
EXISTING TYPICAL SECTION
STEWART AVE
STA 98+35 - STA 176+55

NOTES
AS-BUILT PLANS ARE NOT AVAILABLE FOR STEWART AVENUE. PAVEMENT STRUCTURE IS BASED ON BORING LOGS AND AVAILABLE ORIGINAL STH 29 CONSTRUCTION AS-BUILT.

CONCRETE PAVEMENT IS NOT ANTICIPATED TO BE PRESENT WITHIN THE STEWART/72ND AVENUE INTERSECTION AND STEWART/48TH AVENUE INTERSECTION.

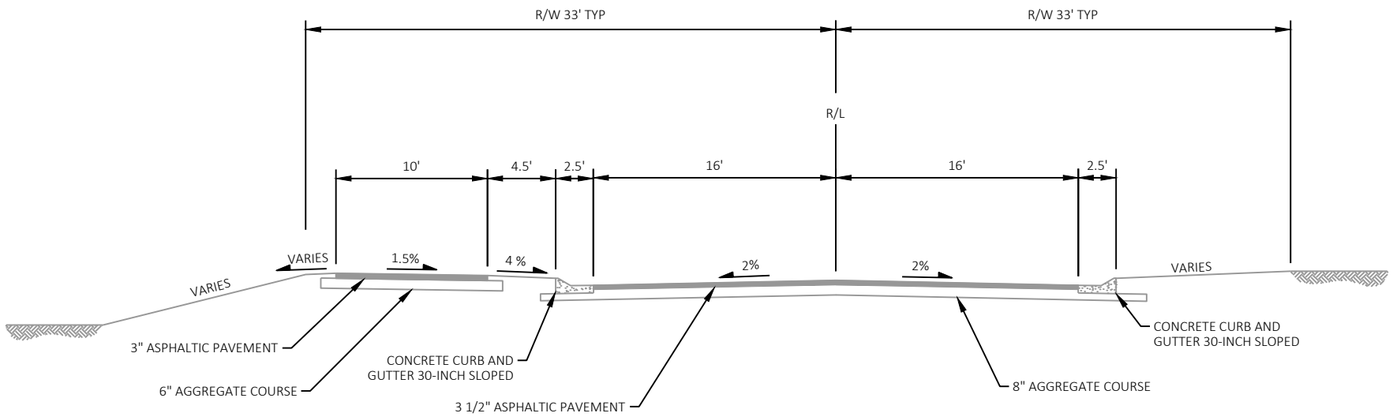
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TYPICAL SECTIONS	SHEET 4	E

2



EXISTING TYPICAL SECTION
S 72ND AVE

STA 14+60 - STA 18+44, LT
STA 15+25 - STA 18+44, RT



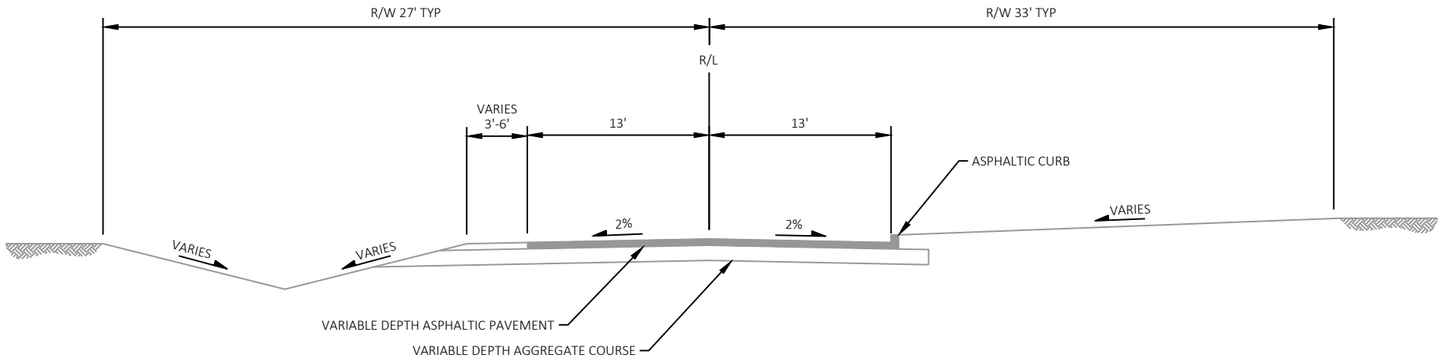
EXISTING TYPICAL SECTION
S 72ND AVE

STA 18+44 - STA 23+61

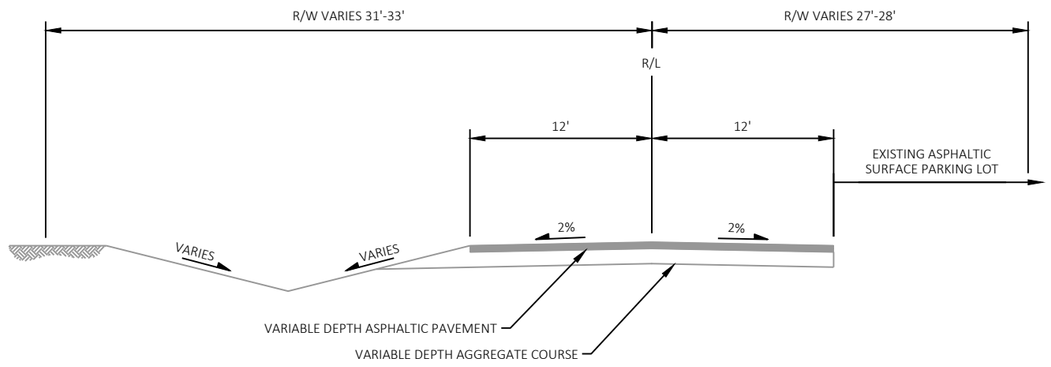
NOTE
THE ASPHALTIC PAVEMENT STRUCTURE IS ASSUMED TO BE PRESENT THROUGH THE 72ND AVENUE INTERSECTION.

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TYPICAL SECTIONS	SHEET 5	E

2

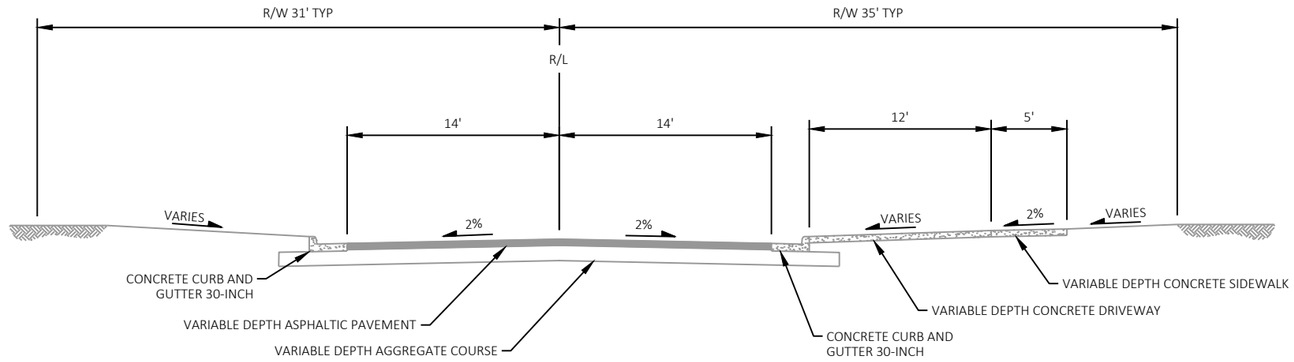


EXISTING TYPICAL SECTION
S 68TH AVE
STA 40+16 - STA 41+00



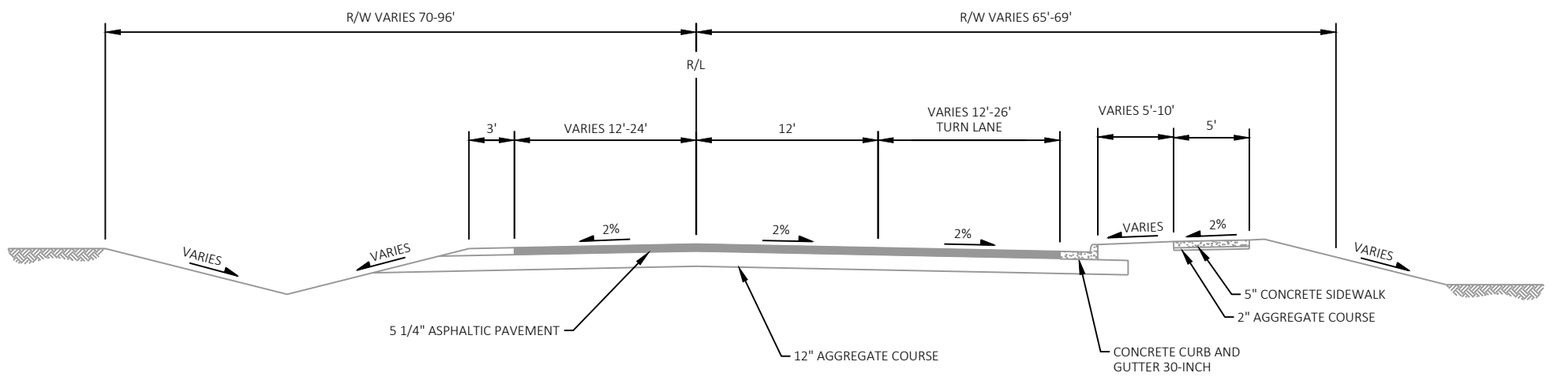
EXISTING TYPICAL SECTION
S 56TH AVE
STA 58+80 - STA 59+84

2



EXISTING TYPICAL SECTION
S 56TH AVE

STA 60+16 - STA 61+00



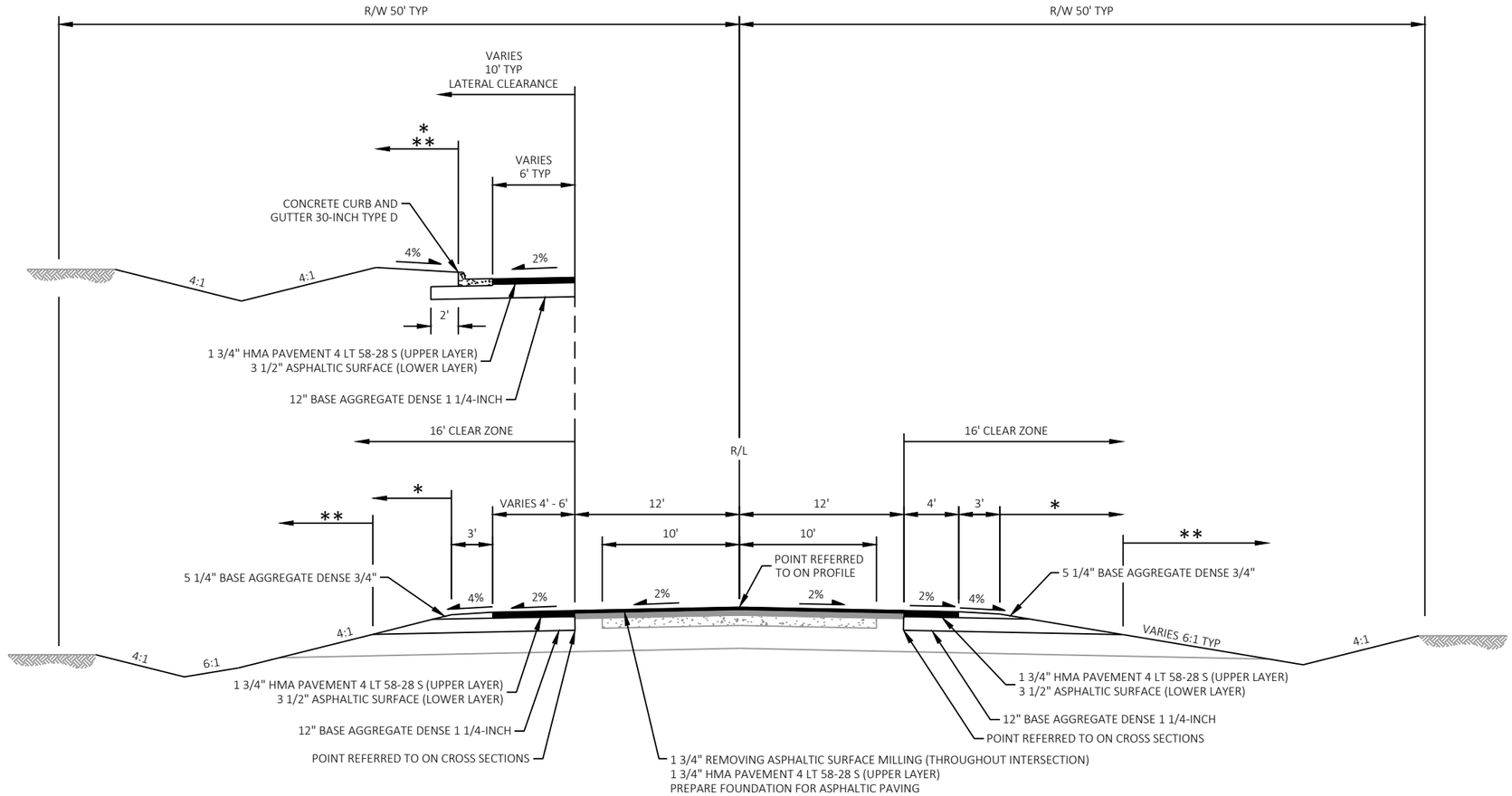
EXISTING TYPICAL SECTION
S 48TH AVE

STA 78+03 - STA 79+84

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TYPICAL SECTIONS	SHEET 7	E

2

STA 98+35 - STA 98+86



FINISHED TYPICAL SECTION
STEWART AVE

STA 98+35 - STA 100+42

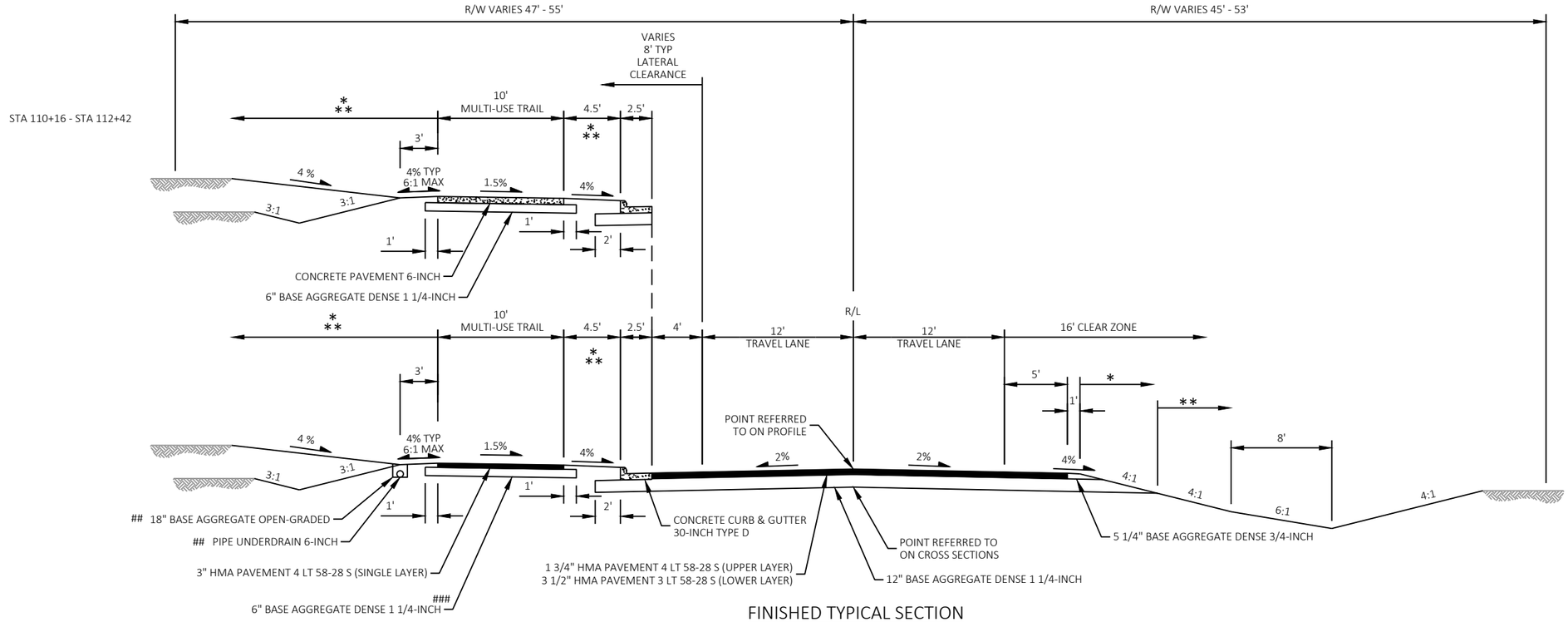
NOTES

FULL DEPTH PAVEMENT STRUCTURE SHOWN AT RADII WIDENING, SEE PAVING DETAILS FOR ADDITIONAL INFORMATION.

* SEEDING AND FERTILIZER

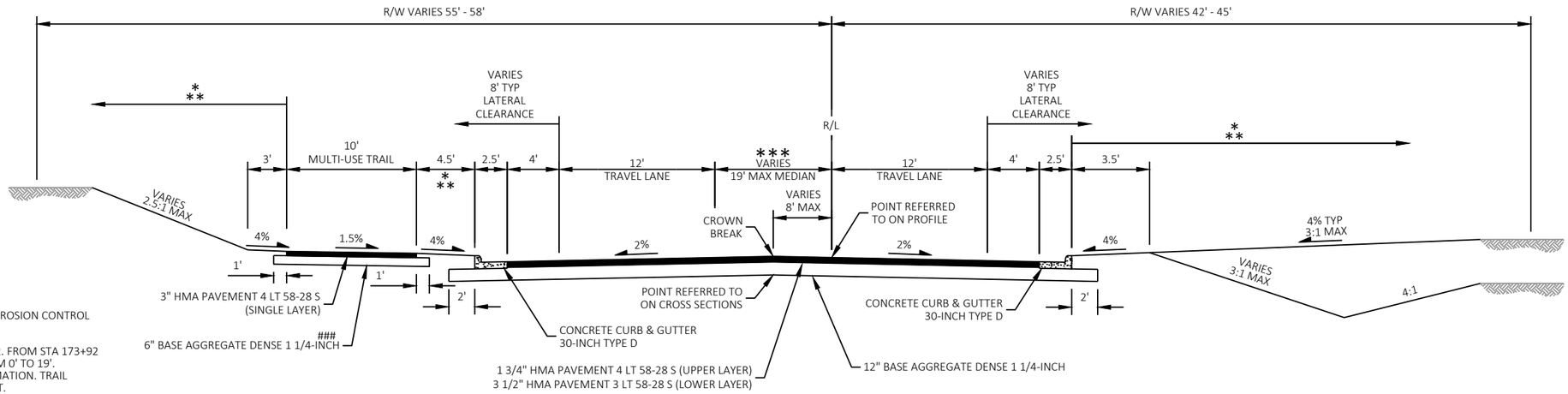
** TOPSOIL AND MULCH OR EROSION MAT; SEE EROSION CONTROL PLANS FOR ADDITIONAL INFORMATION

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TYPICAL SECTIONS	SHEET 8	E



FINISHED TYPICAL SECTION
STEWART AVE

STA 100+42 - STA 150+25



FINISHED TYPICAL SECTION
STEWART AVE

STA 150+25 - STA 176+55

NOTES

* SEEDING AND FERTILIZER

** TOPSOIL AND MULCH OR EROSION MAT; SEE EROSION CONTROL PLANS FOR ADDITIONAL INFORMATION

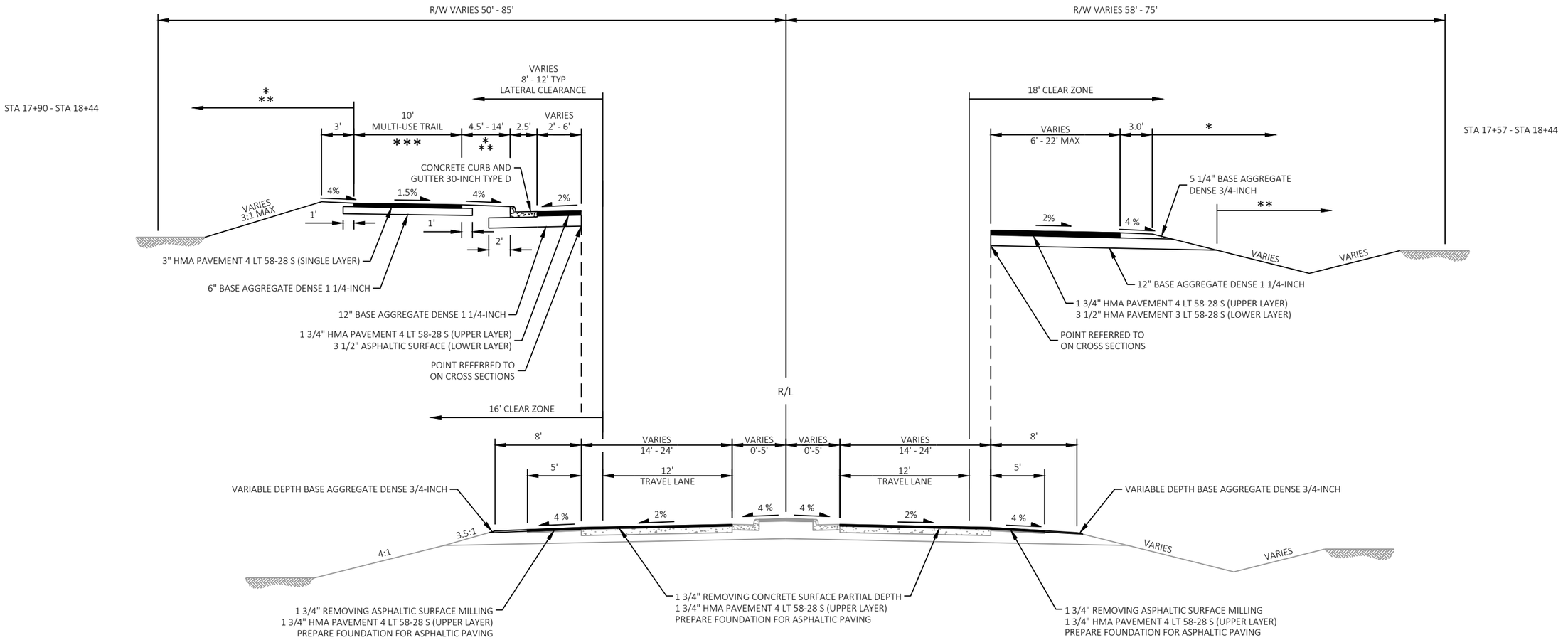
*** NO MEDIAN FROM STA 150+25 TO STA 173+92. FROM STA 173+92 TO STA 176+55, MEDIAN WIDTH RANGES FROM 0' TO 19'. SEE PAVING DETAILS FOR ADDITIONAL INFORMATION. TRAIL RECONSTRUCTION EXTENDS TO STA 176+91, LT.

PLACE UNDERDRAIN FROM STA 119+34 - STA 135+50, LT. SEE CONSTRUCTION DETAIL AND STORM SEWER PLANS FOR ADDITIONAL INFORMATION.

PLACE 8" BASE AGGREGATE DENSE 1 1/4-INCH THROUGH ALL FIELD, PRIVATE, AND COMMERCIAL ENTRANCES.

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TYPICAL SECTIONS	SHEET 9	E

2



FINISHED TYPICAL SECTION
S 72ND AVE

STA 14+60 - STA 18+44, LT
STA 15+25 - STA 18+44, RT

NOTES

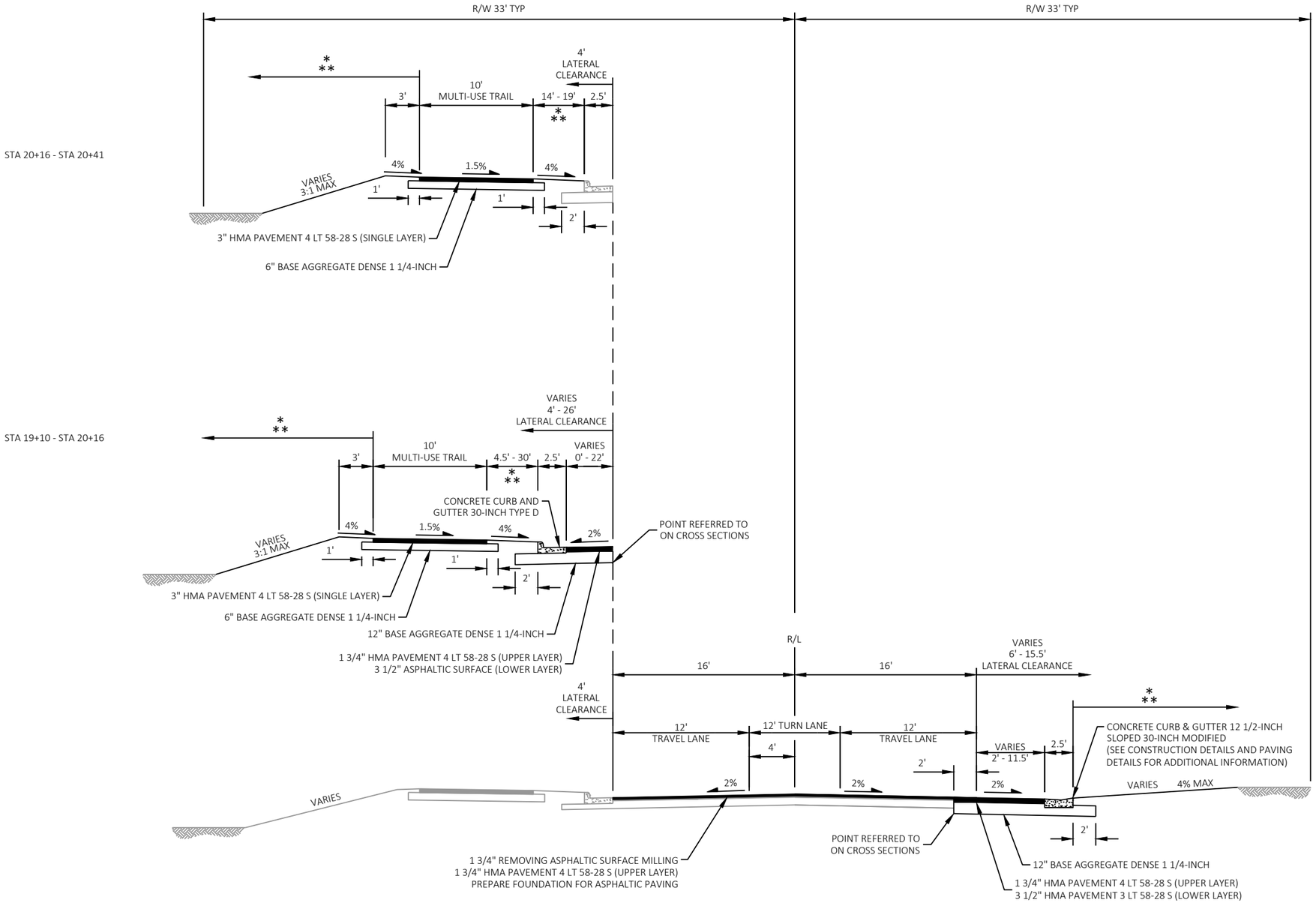
* SEEDING AND FERTILIZER

** TOPSOIL AND MULCH OR EROSION MAT; SEE EROSION CONTROL PLANS FOR ADDITIONAL INFORMATION

*** TRAIL CONSTRUCTION STARTS AT STA 17+94, LT

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TYPICAL SECTIONS	SHEET 10	E

2



NOTES

* SEEDING AND FERTILIZER

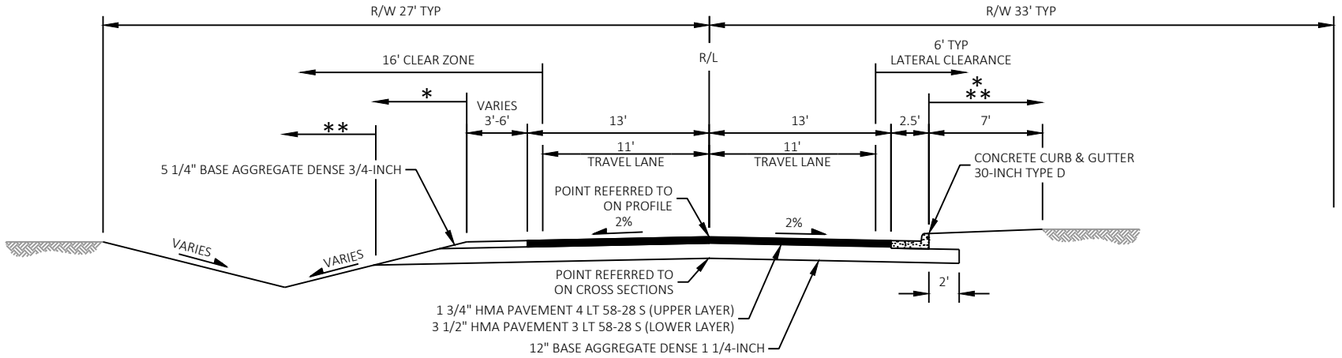
** TOPSOIL AND MULCH OR EROSION MAT; SEE EROSION CONTROL PLANS FOR ADDITIONAL INFORMATION

FINISHED TYPICAL SECTION

S 72ND AVE

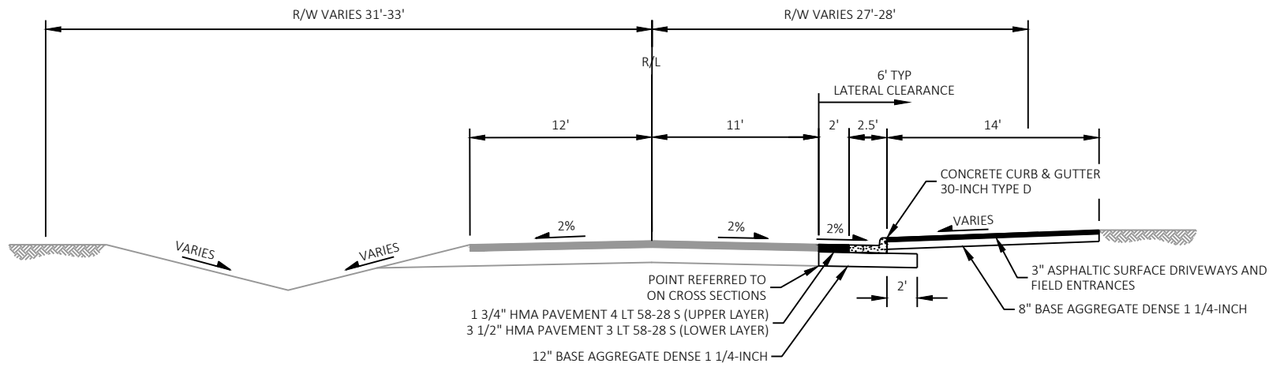
STA 18+44 - STA 23+61

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TYPICAL SECTIONS	SHEET 11	E



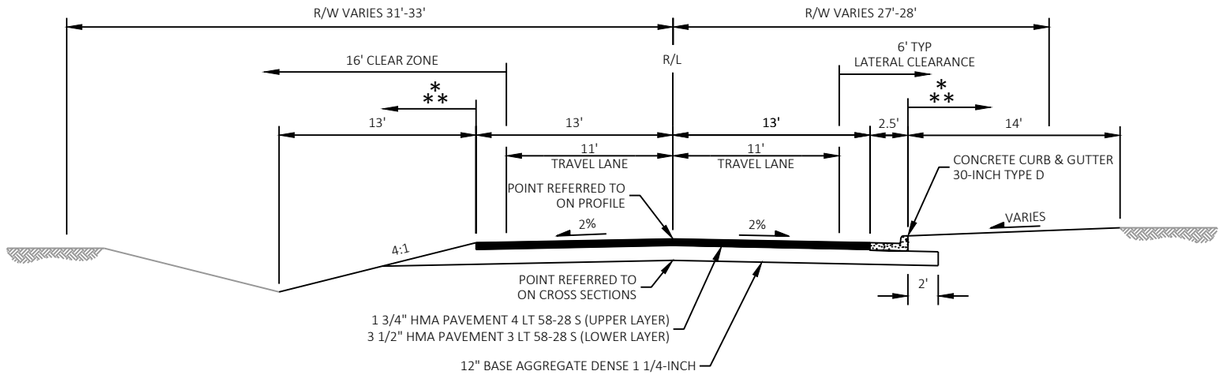
FINISHED TYPICAL SECTION
S 68TH AVE

STA 40+16 - STA 41+00



FINISHED TYPICAL SECTION
S 56TH AVE

STA 58+80 - STA 59+35



FINISHED TYPICAL SECTION
S 56TH AVE

STA 59+35 - STA 59+84

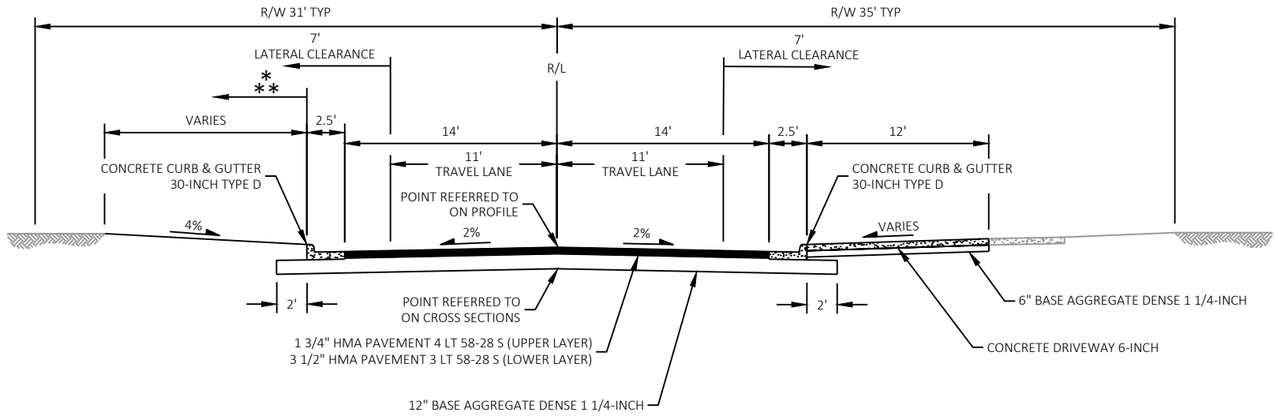
NOTES

* SEEDING AND FERTILIZER

** TOPSOIL AND MULCH OR EROSION MAT; SEE EROSION CONTROL PLANS FOR ADDITIONAL INFORMATION

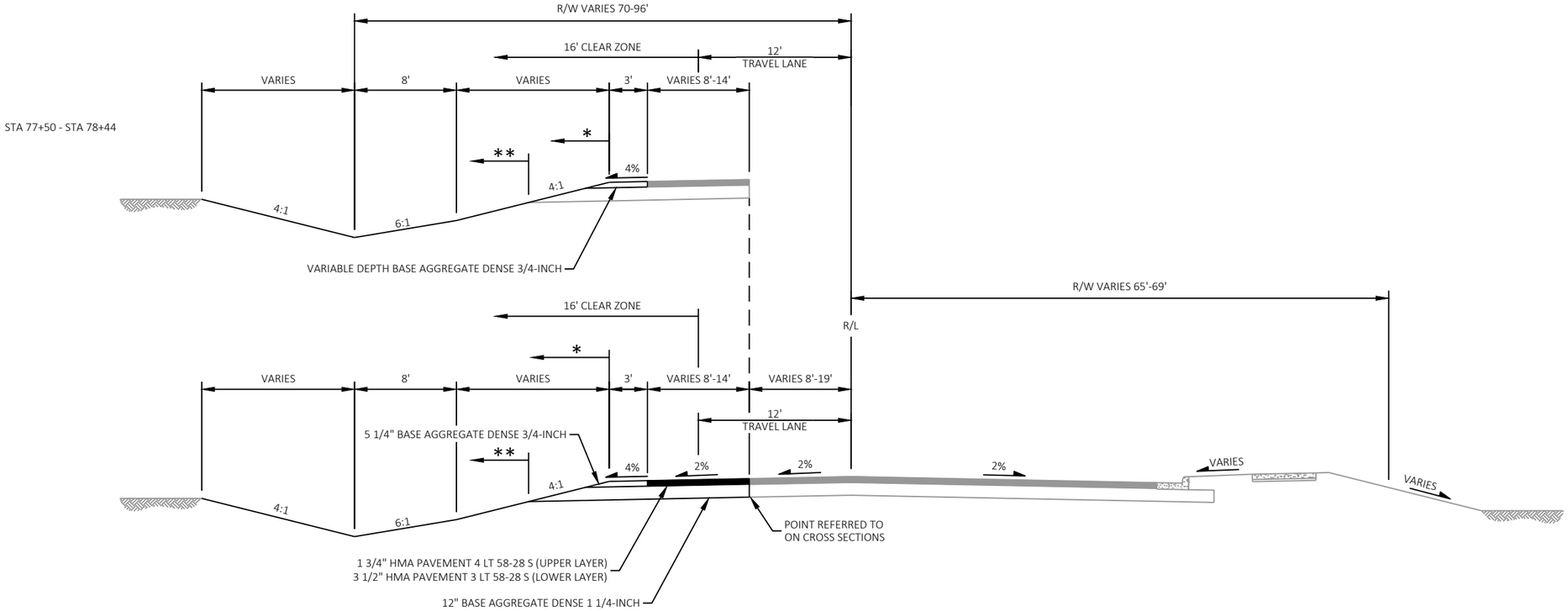
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TYPICAL SECTIONS	SHEET 12	E

2



FINISHED TYPICAL SECTION
S 56TH AVE

STA 60+16 - STA 61+00



NOTES

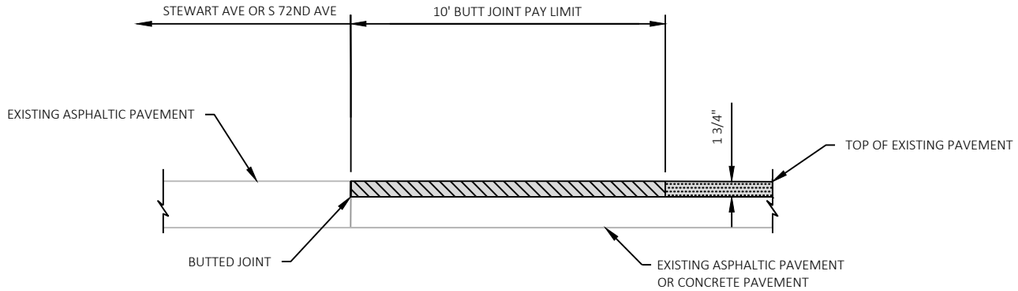
* SEEDING AND FERTILIZER

** TOPSOIL AND MULCH OR EROSION MAT; SEE EROSION CONTROL PLANS FOR ADDITIONAL INFORMATION

FINISHED TYPICAL SECTION
S 48TH AVE

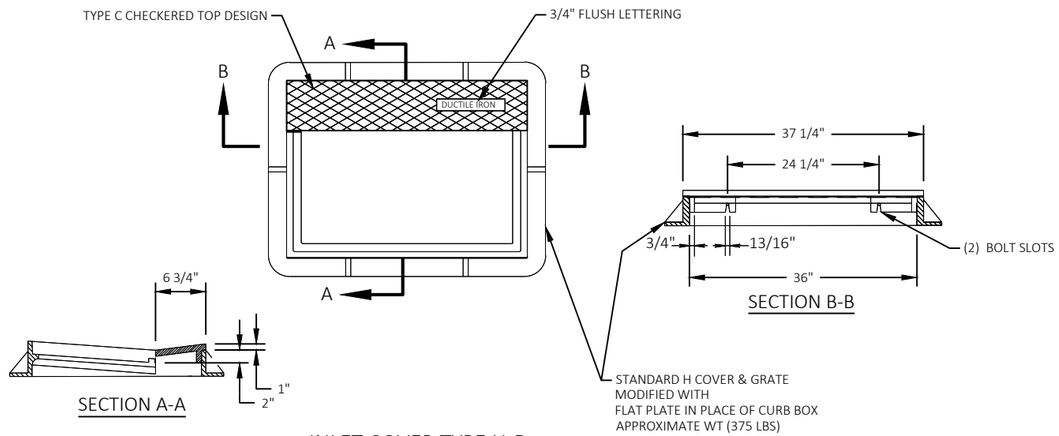
STA 77+50 - STA 79+84

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TYPICAL SECTIONS	SHEET 13	E



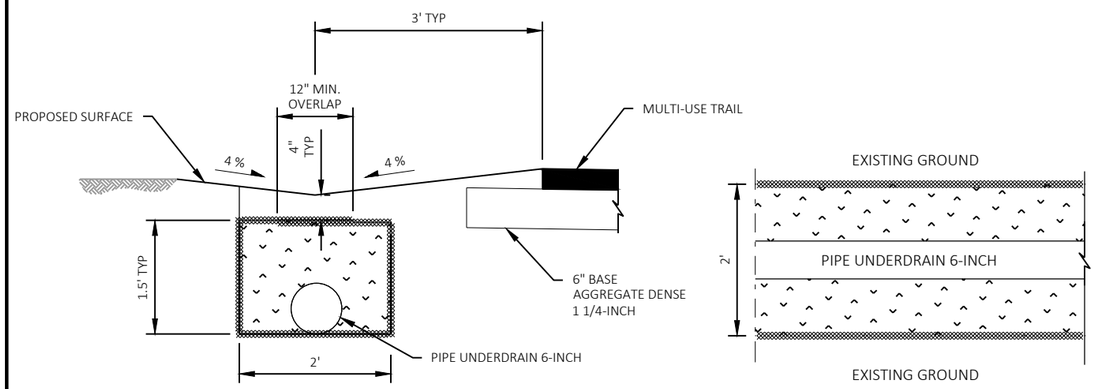
BUTT JOINT DETAIL

STA 98+35 (STEWART AVE)
STA 14+60, LT (S 72ND AVE)
STA 15+25, RT (S 72ND AVE)
STA 23+61 (S 72ND AVE)



INLET COVER TYPE H-D

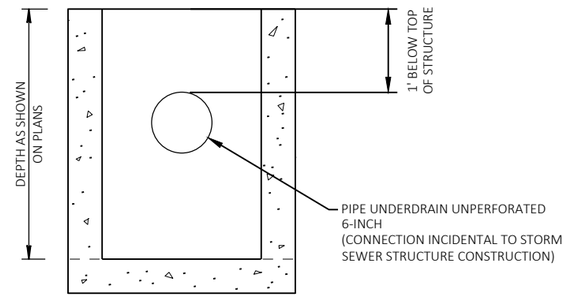
(WITH MOUNTABLE CURB PLATE)
STA 153+10, LT
STA 171+59, RT



PIPE UNDERDRAIN DETAIL

STA 119+34 - STA 134+50

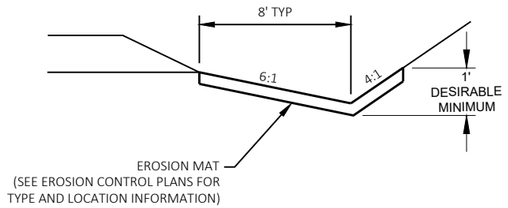
NOTE
SEE STORM SEWER PLANS AND SECTION 5 PLANS FOR LOCATIONS
AND ADDITIONAL INFORMATION.



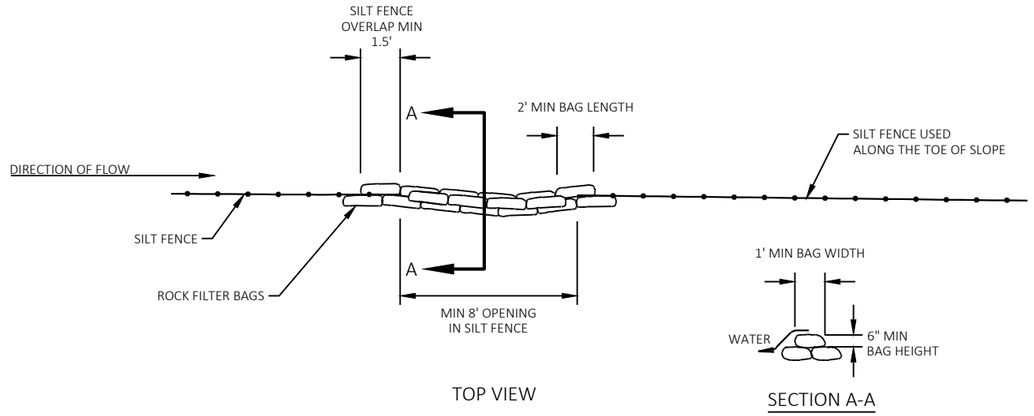
PIPE UNDERDRAIN CONNECTION TO STRUCTURE

NOTE
SEE STORM SEWER PLANS AND SECTION 5 PLANS FOR LOCATIONS
AND ADDITIONAL INFORMATION.

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CONSTRUCTION DETAILS	SHEET 14	E



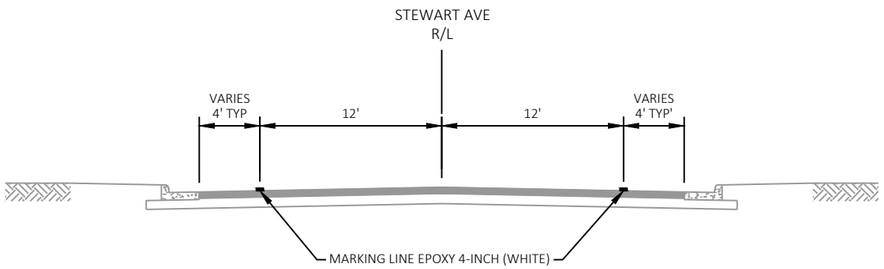
EROSION MAT FOR DITCHES DETAIL



ROCK BAGS USED FOR SILT FENCE RELIEF DETAIL

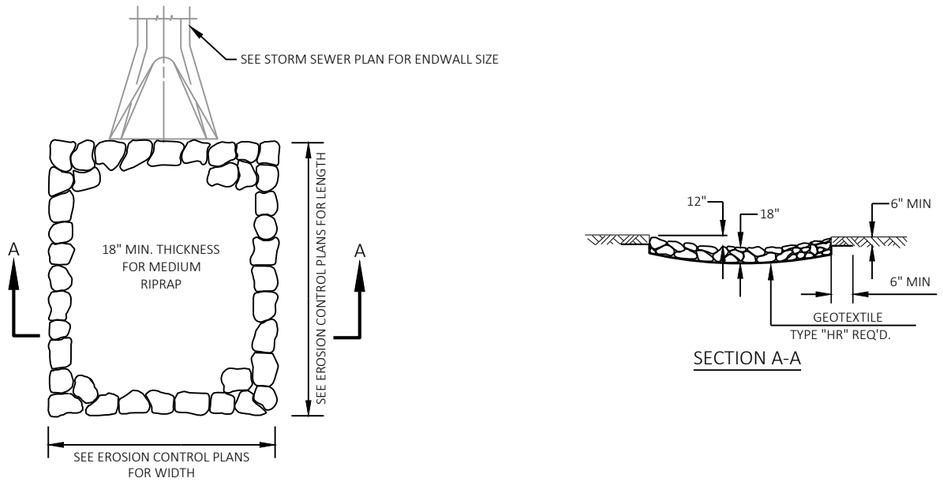
PAID AS ROCK BAGS

NOTE
SEE EROSION CONTROL PLANS FOR LOCATIONS



URBAN EDGELINE MARKING DETAIL

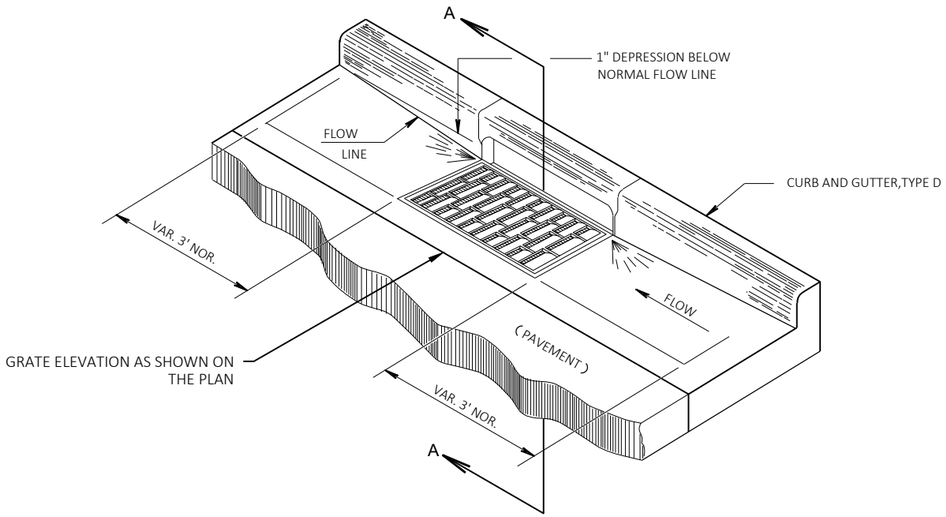
SEE PAVEMENT MARKING DETAILS FOR LOCATIONS

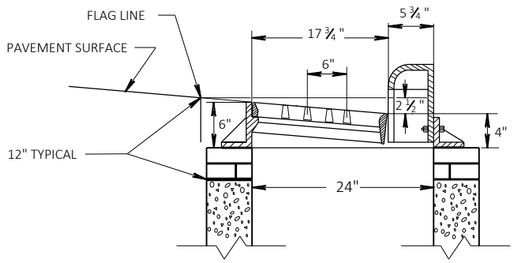


RIPRAP MEDIUM AT SS OUTFALL DETAIL

NOTE
SEE EROSION CONTROL PLANS FOR LOCATIONS

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CONSTRUCTION DETAILS	SHEET 15	E

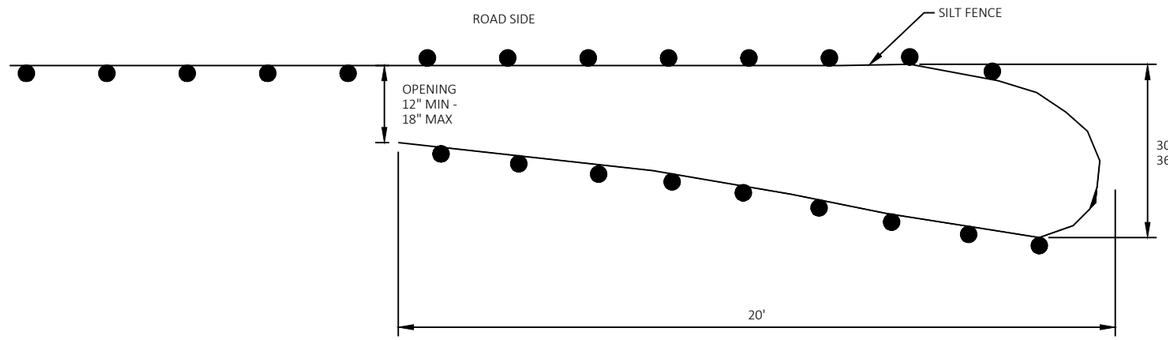




SECTION A-A

CONCRETE CURB AND GUTTER AT INLETS DETAIL

(TYPE 2X3-FT / H INLET SHOWN)



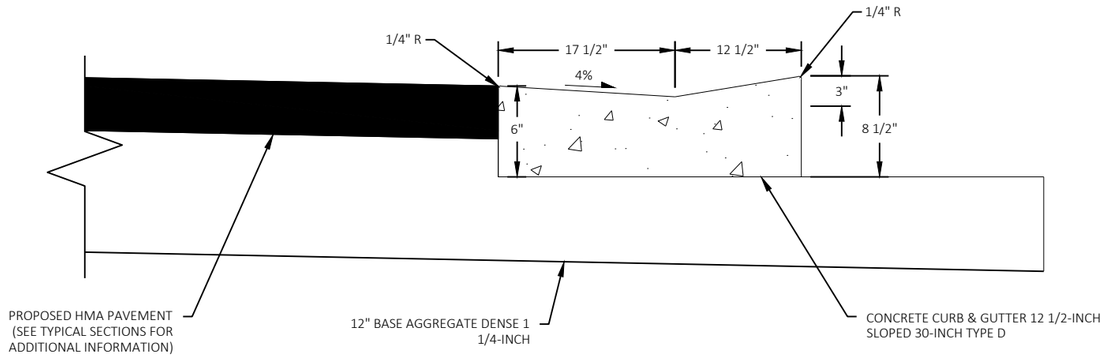
PLAN VIEW

TEMPORARY SMALL ANIMAL TURN-AROUND

NOTES

SILT FENCE POSTS FOR THE TURN-AROUND SHOULD BE ON THE OUTSIDE OF THE TURN-AROUND AND TRENCHED IN ACCORDING TO SILT FENCE REQUIREMENTS.

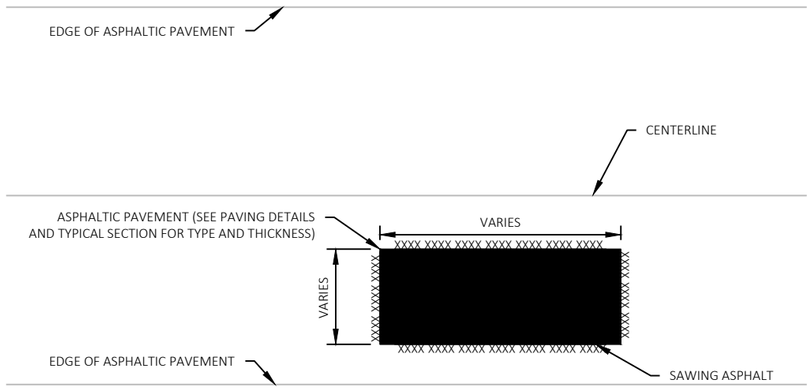
SEE EROSION CONTROL SHEETS FOR LOCATIONS.



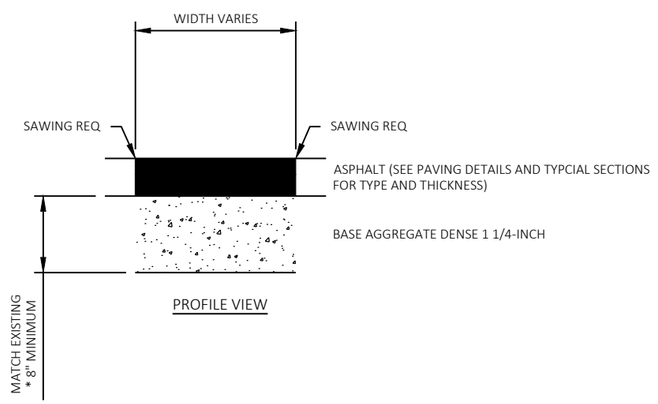
CONCRETE CURB & GUTTER 12 1/2-INCH SLOPED HES 30-INCH TYPE D DETAIL

STA 20+09 - STA 23+61, RT

2



PLAN VIEW



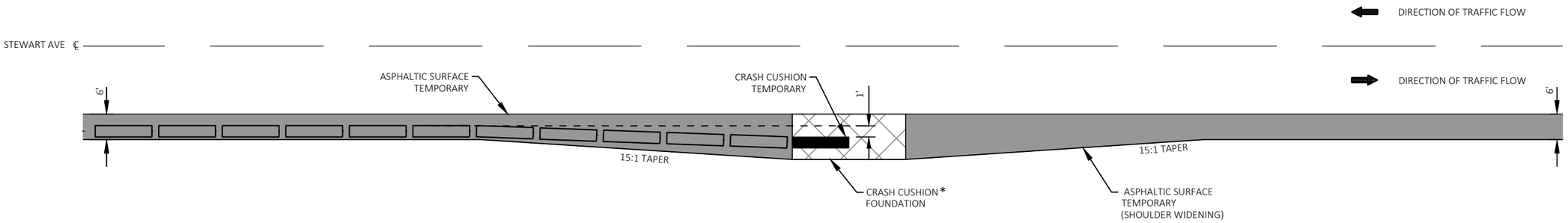
PROFILE VIEW

ASPHALTIC PATCHING DETAIL

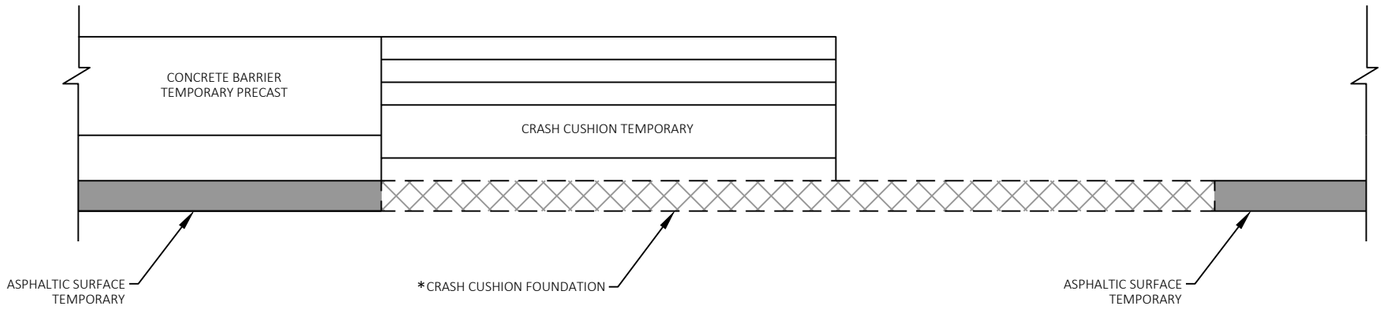
S 72ND AVE (STORM SEWER, SANITARY SEWER, LOOP DETECTORS)
STEWART AVE (WEST OF S 72ND AVE - LOOP DETECTORS)
STORM SEWER AND TEMP CULVERT WORK (STA 101+75 - STA 102+70)
S 48TH AVE SANITARY SEWER INSTALLATION (SEE TYPICAL SECTIONS)

NOTE
* 12" DEPTH AT S 48TH AVE

2

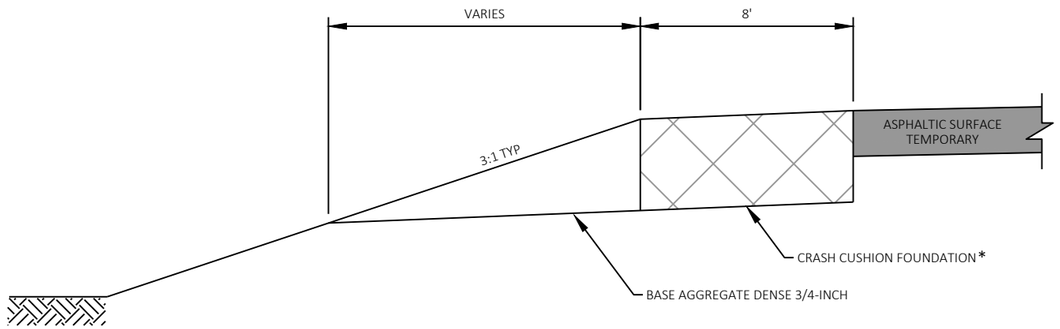


PLAN VIEW



SIDE VIEW

FAR SIDE CRASH CUSHION SHOWN - MIRROR FOR NEAR SIDE CRASH CUSHION
ON ASPHALTIC SURFACE TEMPORARY - DIMENSIONS AND INFORMATION
SHOWN APPLIES TO ALL CRASH CUSHION LOCATIONS



CROSS SECTION

NOTES

SEE TRAFFIC CONTROL PLANS FOR TEMPORARY BARRIER LOCATIONS.

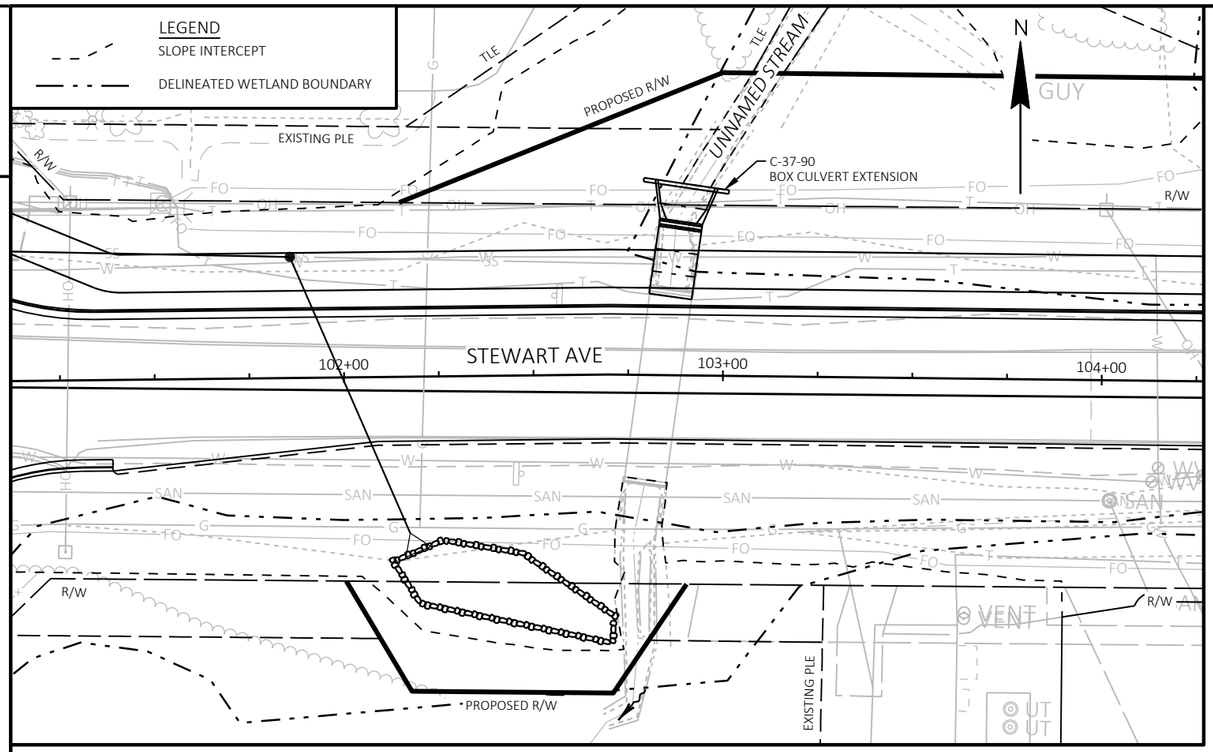
SEE SDD "END TREATMENTS AND GENERAL NOTES" FOR ADDITIONAL INFORMATION.

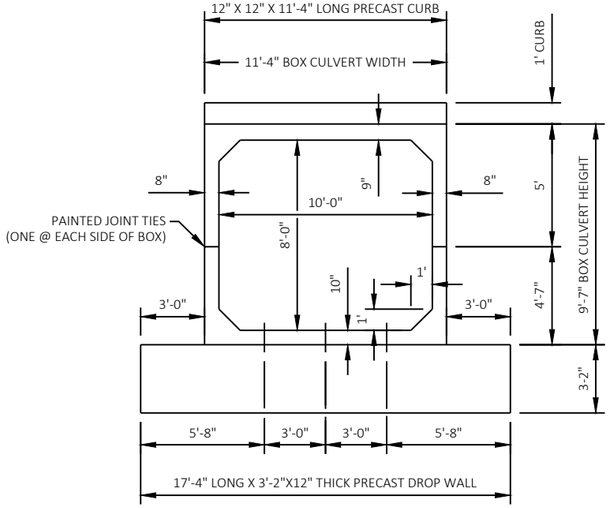
* CRASH CUSHION FOUNDATION DIMENSIONS AS SPECIFIED BY MANUFACTURER. INCIDENTAL TO CRASH CUSHION TEMPORARY.

CRASH CUSHION TEMPORARY PLACEMENT DETAIL

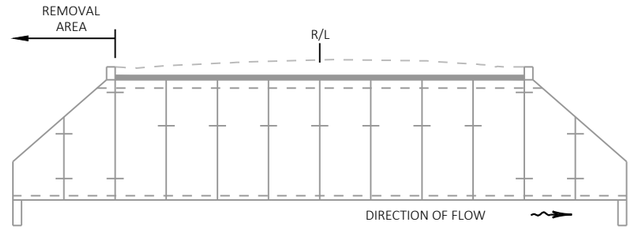
STA 101+20 - STA 104+54, LT
STA 101+77 - STA 104+04, RT

PROJECT NO: 6999-09-72	HWY: STEWART AVE	COUNTY: MARATHON	CONSTRUCTION DETAILS	SHEET 18	E



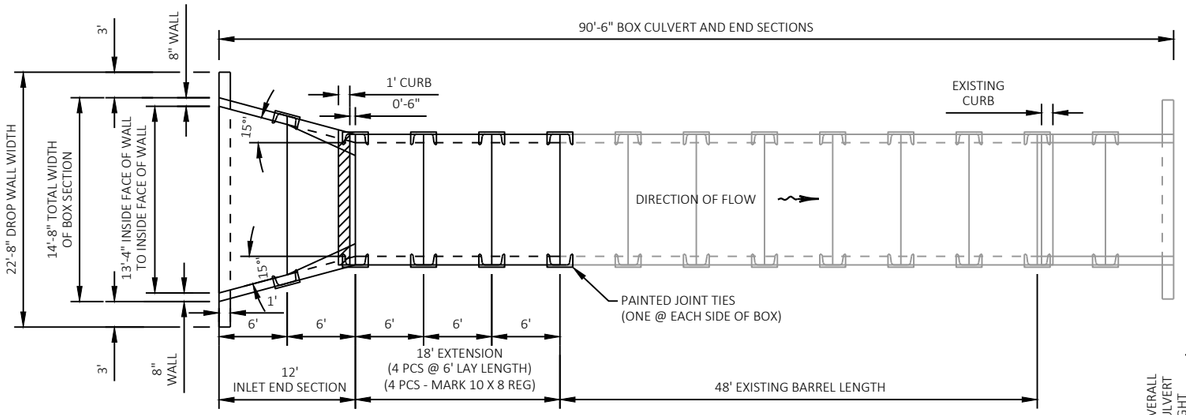


SECTION THRU BOX

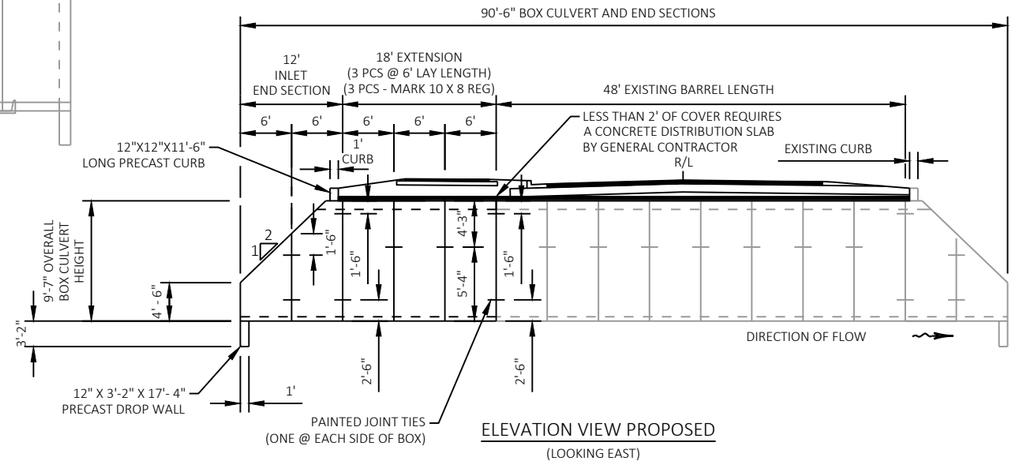


ELEVATION VIEW EXISTING

(LOOKING EAST)



PLAN VIEW



ELEVATION VIEW PROPOSED

(LOOKING EAST)

DESIGN NOTES

BOX CULVERT DESIGN TO COMPLY WITH HS20 LOADING

ALL STEEL COVERAGE TO BE 1-1/2" OF CONCRETE COVERAGE

F'C - 5,000 PSI

STEEL REINFORCEMENT

AS PER ASTM C1433-04, SECTION 11.5, POSITION OF REINFORCEMENT: THE MAXIMUM VARIATION IN THE POSITION OF THE REINFORCEMENT ON 5-IN. OR LESS SLAB AND WALL THICKNESS SHALL BE ± 3/8-IN., AND FOR GREATER THAN 5-IN. SLAB AND WALL THICKNESS SHALL BE ± 1/2-IN.

GENERAL NOTES

ALL LIFTING HOLES TO BE FREE OF DEBRIS AND PVC CONDUIT REMOVED PRIOR TO SHIPMENT

ALL LIFTING HOLES TO BE 2-1/4"Ø CLEAR ONCE PVC CONDUIT IS REMOVED

ALL JOINT TIE HOLES TO BE FORMED WITH 1-1/4"Ø CONDUIT WHICH MAY REMAIN WITH FINISHED PRODUCT FOR SHIPMENT ALL OTHER DEBRIS TO BE REMOVED PRIOR TO SHIPMENT

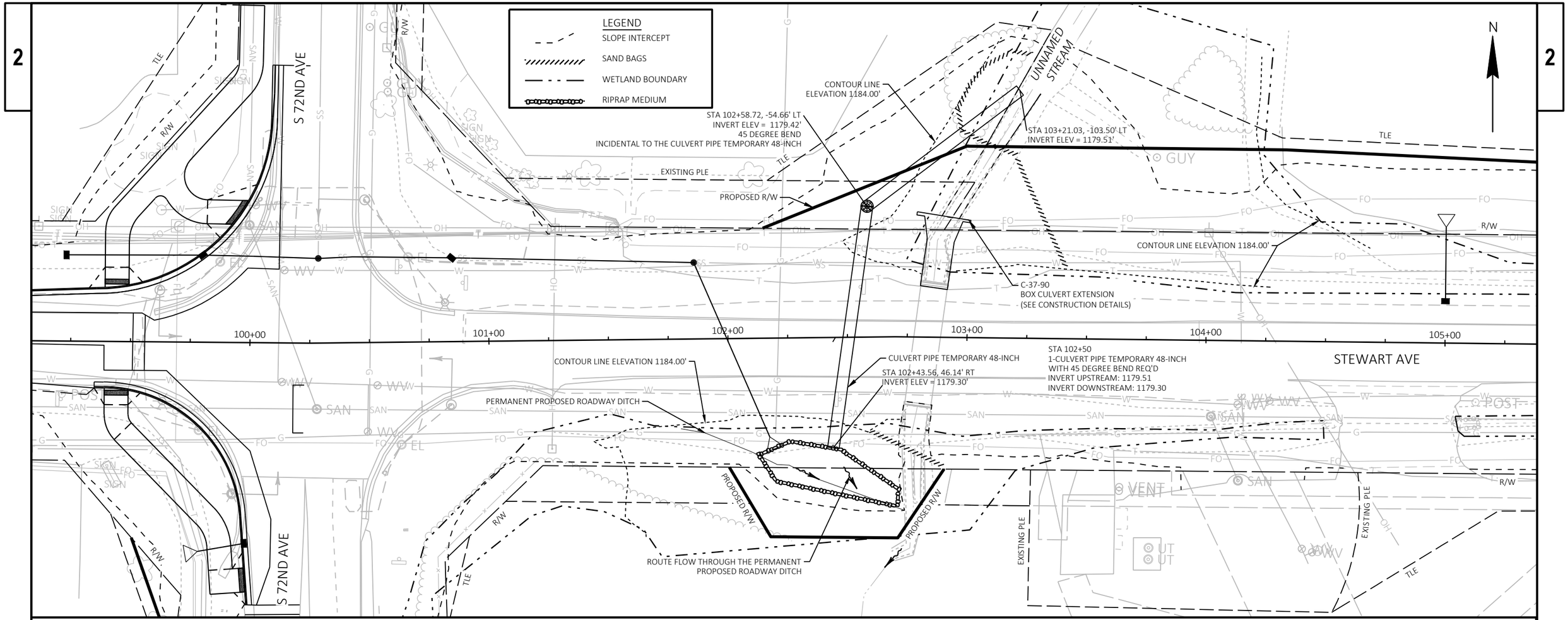
CONSTRUCTION DETAIL WAS CREATED FROM THE COUNTY MATERIALS CORPORATION PLAN SEALED ON 07-06-11

SEE STORM SEWER PLANS FOR EXISTING AND PROPOSED STORM SEWER INFORMATION

C-37-90 BOX CULVERT EXTENSION DETAIL

UNNAMED STREAM

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CONSTRUCTION DETAILS - C-37-90 BOX CULVERT EXTENSION	SHEET 19	E



NOTES

TEMPORARY CULVERT PIPE MUST BE CAPABLE OF CARRYING THE Q5 FLOW, WITH A FREEBOARD OF 0.5-FEET DURING THE CONSTRUCTION PERIOD AND MAINTAIN A SUITABLE DEPTH AND VELOCITY TO ALLOW THE PASSAGE OF MIGRATING FISH AND AQUATIC SPECIES. FISH THAT BECOME STRANDED IN DEWATERED AREAS OR TEMPORARY CHANNELS SHOULD BE CAPTURED AND RETURNED TO THE ACTIVE CHANNEL IMMEDIATELY.

WORK FOR ANY TEMPORARY SANDBAGS USED AT THE BOX CULVERT OR OTHER DIVERSION TECHNIQUES IMPLEMENTED WILL BE PAID UNDER THE FOLLOWING BID ITEMS:

- EXCAVATION FOR STRUCTURES CULVERTS (C-37-90)
- REMOVING STRUCTURE STATION 102+83
- BACKFILL STRUCTURE TYPE B (BACKFILL NEXT TO THE CULVERT EXTENSION)

THE TOP OF SANDBAGS IS SHOWN AT ELEVATION 1184.0(±) WHICH IS THE STREAM ELEVATION RESULTING FROM A 5-YEAR RAINFALL EVENT PLUS 0.5'(+/-) FREEBOARD. IT IS ASSUMED THE WORK ZONE WILL BE INUNDATED FOR RAINFALL EVENTS EXCEEDING 5 YEARS. CONTRACTOR MAY CHOOSE TO SET THE TOP OF SANDBAGS AT AN ELEVATION GREATER THAN 1184.0(±) DEPENDING ON THEIR BEST PRACTICES AND AT THE DIRECTION OF THE ENGINEER.

SUBMIT A WATER DIVERSION PLAN TO THE ENGINEER IF CONTRACTOR CHOOSES A DIFFERENT METHOD THAN WHAT IS SHOWN IN THE SCHEMATIC.

C-37-90
Q5 = 80.2 CFS
Q5 ELEVATION 1183.59(±)

USE AVAILABLE EROSION CONTROL ITEMS IN THE CONTRACT TO IMPLEMENT ANY ADDITIONAL EROSION CONTROL ITEMS NECESSARY TO STABILIZE THE SITE DURING CONSTRUCTION OF THE BOX CULVERT.

SEE STORM SEWER PLANS FOR EXISTING AND PROPOSED STORM SEWER INFORMATION.

TEMPORARY BYPASS DETAIL

UNNAMED STREAM

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH
- CONDUIT RIGID NONMETALLIC SCHEDULE 3-INCH
- PULL BOXES STEEL 24x36-INCH
- REMOVE AND REINSTALL STREET LIGHTING ASSEMBLY, CONCRETE BASES TYPE 7

CONSTRUCTION NOTES

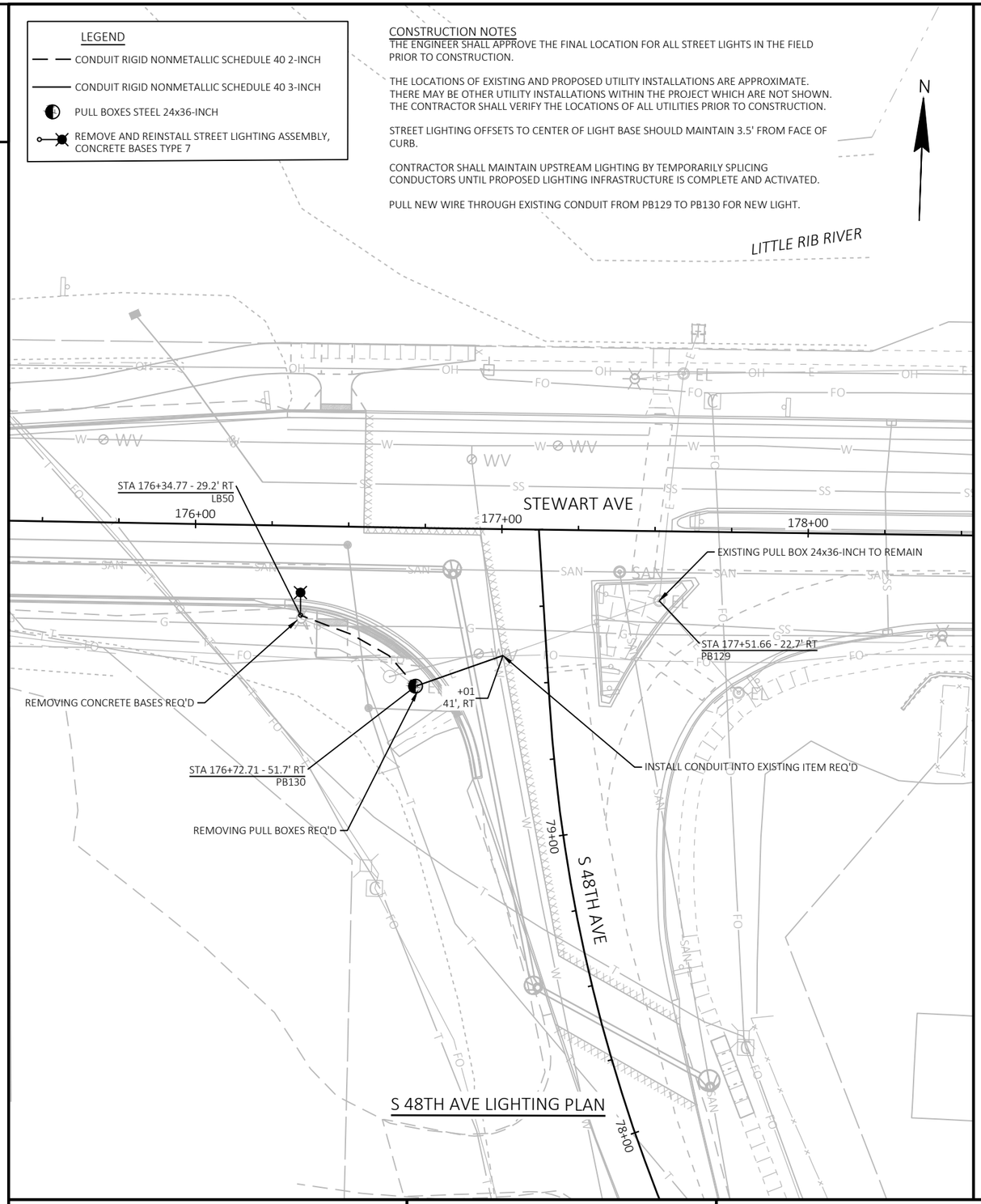
THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL STREET LIGHTS IN THE FIELD PRIOR TO CONSTRUCTION.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

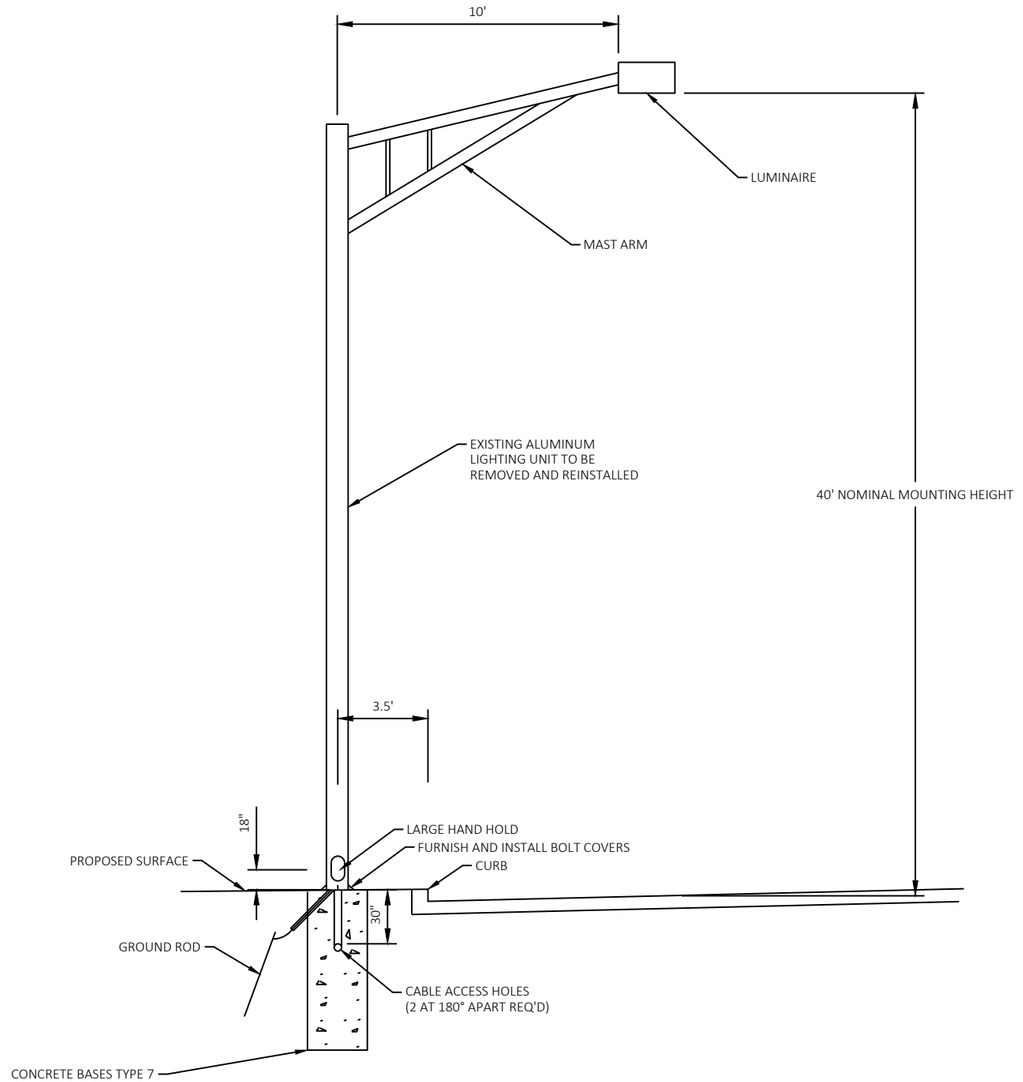
STREET LIGHTING OFFSETS TO CENTER OF LIGHT BASE SHOULD MAINTAIN 3.5' FROM FACE OF CURB.

CONTRACTOR SHALL MAINTAIN UPSTREAM LIGHTING BY TEMPORARILY SPLICING CONDUCTORS UNTIL PROPOSED LIGHTING INFRASTRUCTURE IS COMPLETE AND ACTIVATED.

PULL NEW WIRE THROUGH EXISTING CONDUIT FROM PB129 TO PB130 FOR NEW LIGHT.



S 48TH AVE LIGHTING PLAN

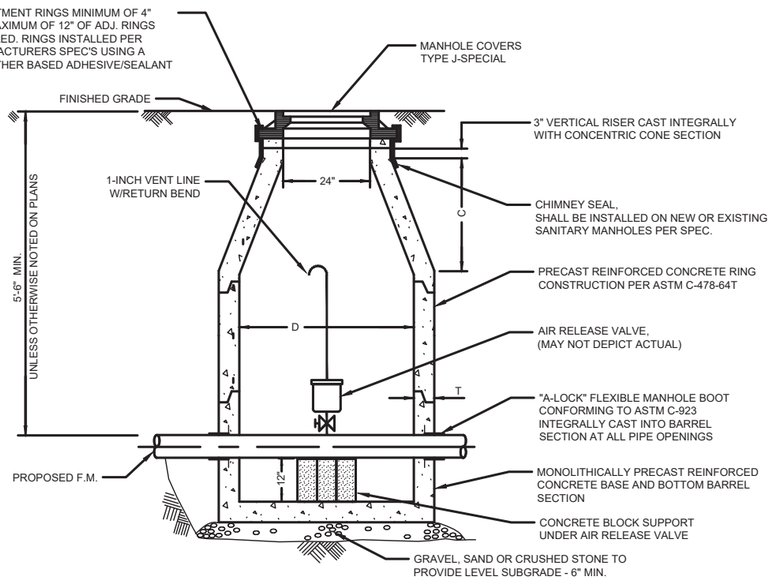


REMOVE AND REINSTALL STREET LIGHT ASSEMBLY DETAIL

2

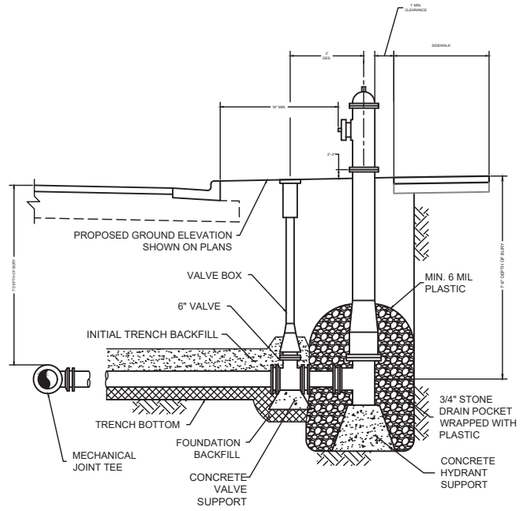


CONSTRUCTION DETAILS - UTILITIES SHEETS
PREPARED BY CLARK DIETZ, INC.

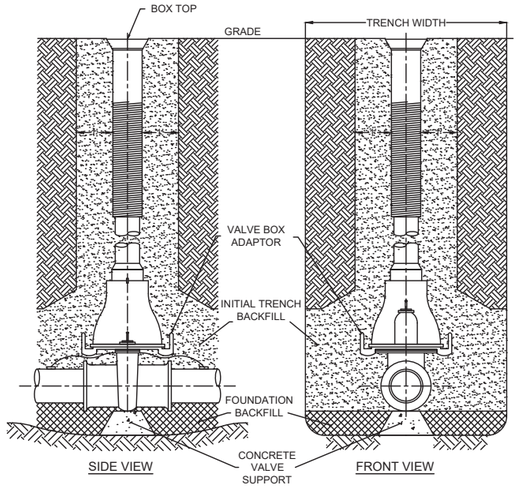


DIAMETER OF MAIN	D	C	T MIN.
10" AND UNDER	48"	3'-9"	4"
12" AND OVER	60"	3'-9"	5"

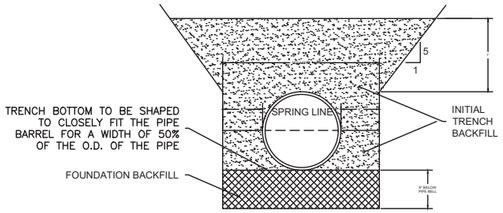
AIR RELEASE VALVE AND VAULT
N.T.S.



STANDARD HYDRANT PROFILE
N.T.S.



VALVE BOX
N.T.S.



CLASS "B"

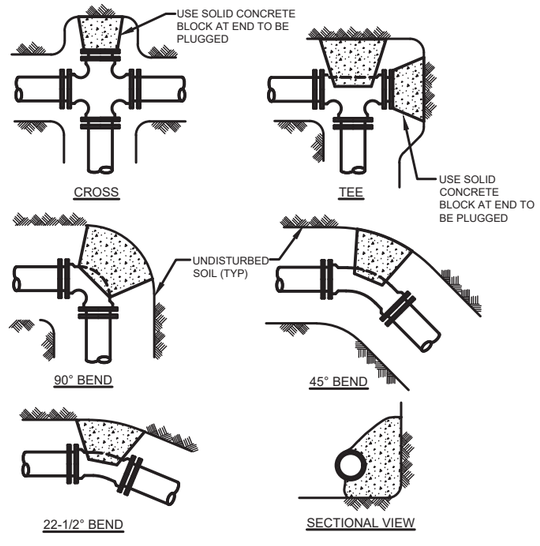
NOTE:
THE TRENCH WIDTH IS TO BE TAKEN AS THE HORIZONTAL DISTANCE AT THE OUTSIDE TOP OF THE PIPE.

NATIVE SOILS CONFORMING TO THE FOUNDATION OR INITIAL BACKFILL SPECIFICATIONS MAY BE USED.

THE MAXIMUM ALLOWABLE WIDTH SHALL BE:

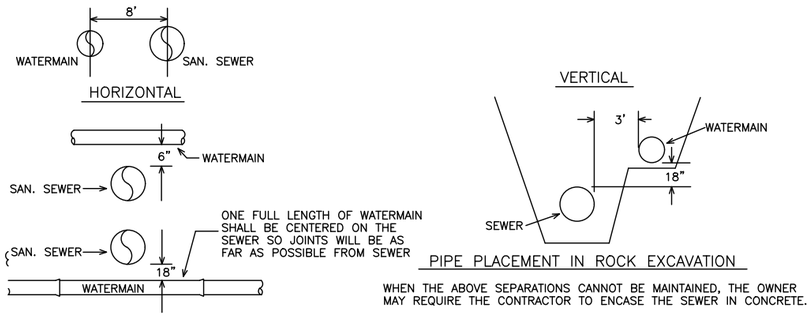
1.) 3.0' GREATER THAN OUTSIDE DIA. FOR 36" OR LARGER PIPE
2.) 2.0' GREATER THAN OUTSIDE DIA. FOR PIPES LESS THAN 36" IN DIA.

FLEXIBLE & RIGID PIPE BEDDING CLASSIFICATIONS
FOR SANITARY SEWER, FORCE MAIN, AND WATER MAIN ITEMS. N.T.S.



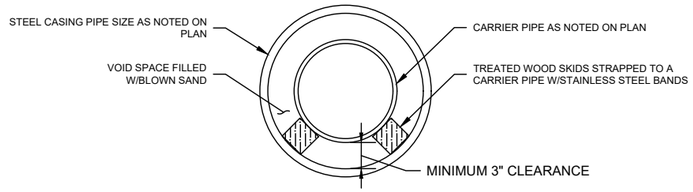
1. THRUST BLOCKING SHALL BE USED AT 1/8 OR GREATER BENDS
2. THRUST BLOCKING SHALL BE CONCRETE POURED AGAINST FIRM UNDISTURBED SOIL.
3. ALL RETAINER GLANDS SHALL BE MEGALUG OR APPROVED EQUAL.

THRUST BLOCKING
N.T.S.



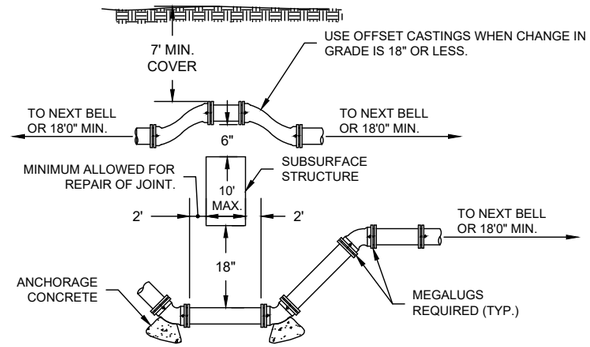
SEWER / WATER MAIN SEPARATION DISTANCE

N.T.S.



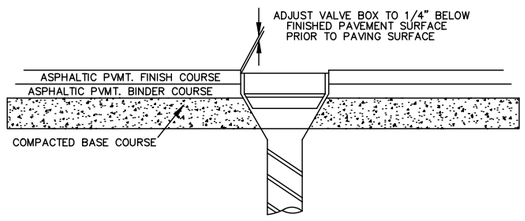
CASING PIPE DETAIL

N.T.S.



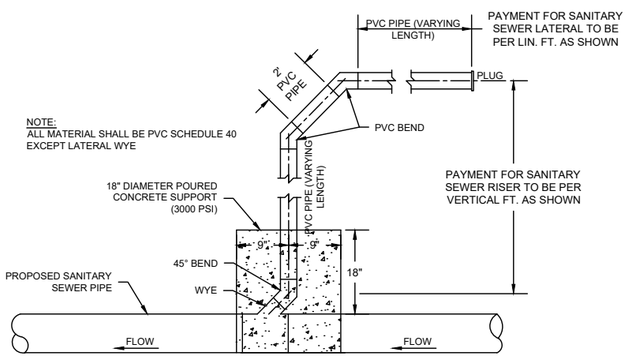
TYPICAL STRAPPING WATER MAIN OFFSETS 6" THRU 16"

N.T.S.



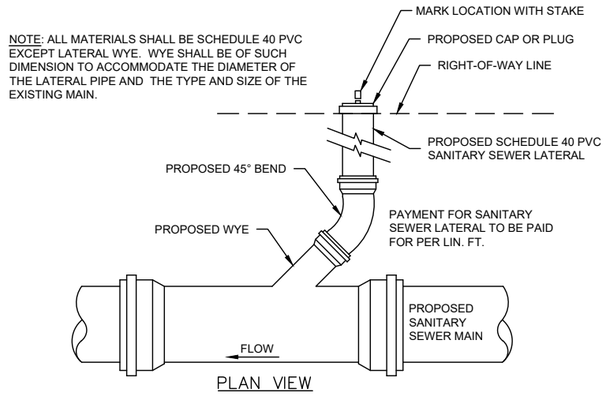
WATER VALVE BOX ADJUSTMENT

N.T.S.



TYPICAL SANITARY SEWER SERVICE LATERAL, EXISTING CONNECTION

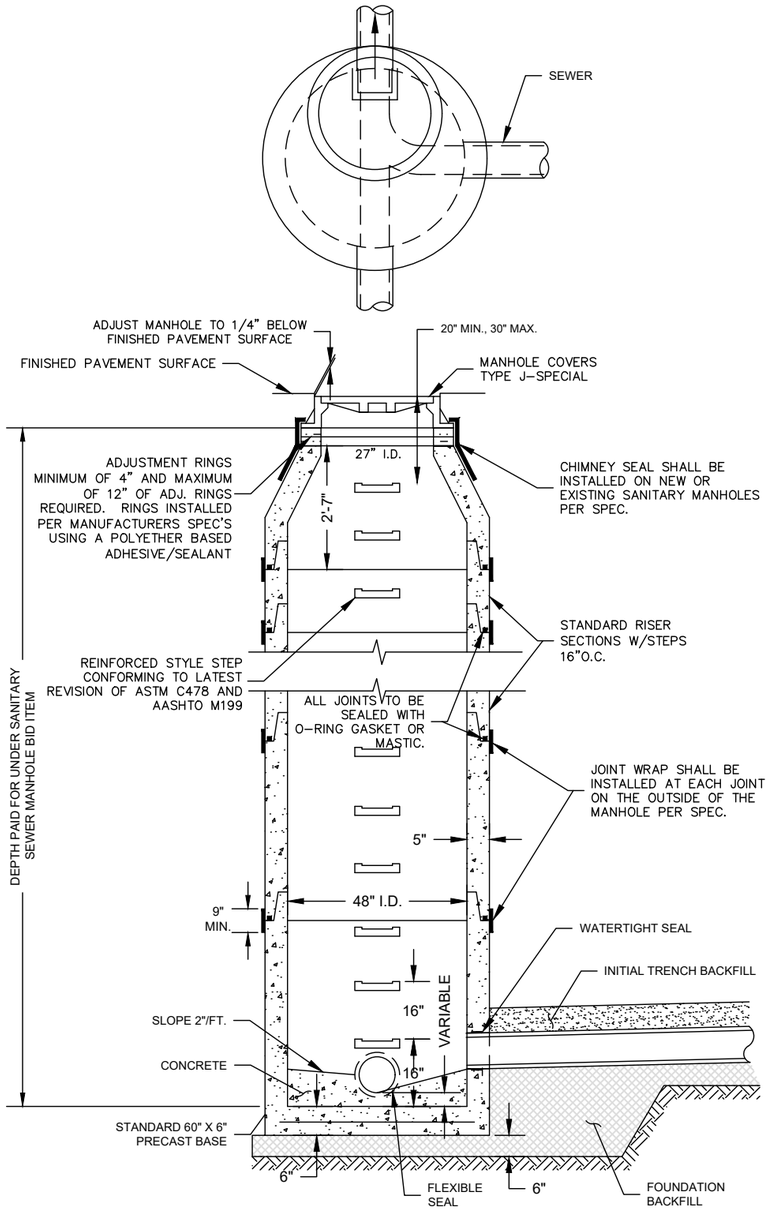
N.T.S.



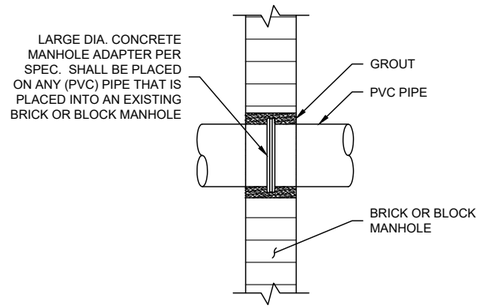
TYPICAL SANITARY SEWER SERVICE LATERAL, NO EXISTING CONNECTION

N.T.S.

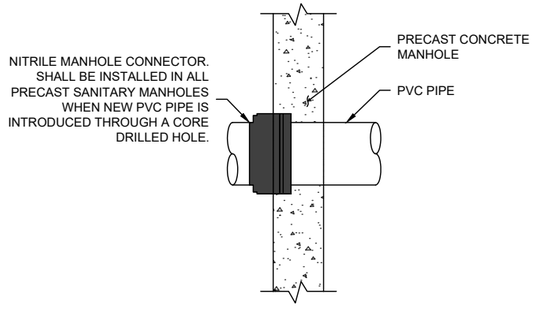
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CONSTRUCTION DETAILS - UTILITIES	SHEET	E



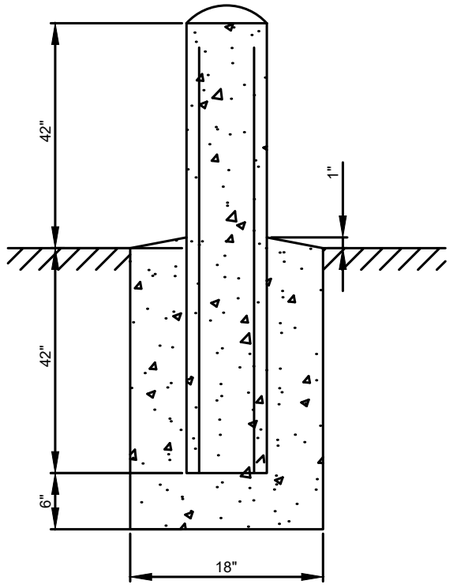
PRECAST CONCRETE SANITARY MANHOLE
N.T.S.



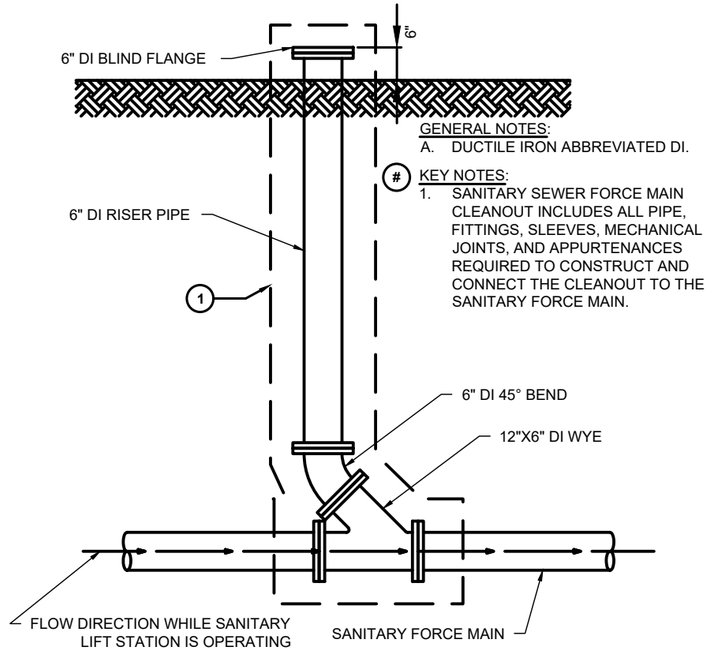
BRICK OR BLOCK MANHOLE ADAPTER
N.T.S.



PRECAST CONCRETE MANHOLE CONNECTOR
N.T.S.



PIPE BOLLARD
N.T.S.



SANITARY SEWER FORCE MAIN CLEANOUT
N.T.S.

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CONSTRUCTION DETAILS - UTILITIES	SHEET	E

LEGEND

- C1 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 CONCRETE CURB AND GUTTER HES 30-INCH TYPE D (THRU DRIVEWAYS AS SHOWN)
- C3 CONCRETE CURB AND GUTTER 18-INCH TYPE D
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
- C5 CONCRETE CURB AND GUTTER 12 1/2-INCH SLOPED HES 30-INCH TYPE D
- S1 CONCRETE SIDEWALK 6-INCH
- P1 CONCRETE PAVEMENT 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- D1 3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 8" BASE AGGREGATE DENSE 1 1/4-INCH
- D2 8" BASE AGGREGATE DENSE 1 1/4-INCH DRIVEWAY
- D3 CONCRETE DRIVEWAY HES 8-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- D4 CONCRETE DRIVEWAY HES 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- F1 ASPHALTIC FLUMES
- M1 HMA PAVEMENT MULTI-USE TRAIL (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- Y1 HMA PAVEMENT (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- Y2 5 1/4" ASPHALTIC SURFACE (1 3/4" UPPERLAYER) (3 1/2" LOWER LAYER)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (4-INCH MIN) MATCH EXISTING PAVEMENT DEPTH
- MILL AND OVERLAY LIMITS (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- XXXXXXX SAWCUT
- CATCH BASIN AND MANHOLE WORK (SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION)
- SANITARY SEWER AND WATERMAIN WORK (SEE UTILITY PLAN FOR ADDITIONAL INFO)
- ADJUSTING VALVE BOX

BEGIN PROJECT
STA 98+35
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

STEWART AVE

S 72ND AVE

UNNAMED STREAM

BEGIN FULL DEPTH PAVEMENT REPLACEMENT
STA 100+42
SAWCUT REQ'D

ASPHALTIC SURFACE PATCHING (9-INCH ANTICIPATED)

NOTES

RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

CURB & GUTTER GRADES ARE SHOWN AT 50' INTERVALS.

CURB & GUTTER GRADES ARE SHOWN AT THE END AND MID-POINT OF CURB & GUTTER RADII UNLESS OTHERWISE NOTED.

* SEE CURB RAMP DETAILS FOR ADDITIONAL CURB AND GUTTER AND SIDEWALK INFORMATION.

OVERLAY THICKNESS WILL MATCH UPPER LAYER OF (Y1). COMPLETE UPPER LAYER THROUGHOUT INTERSECTION AT THE SAME TIME. PATCHING AREAS ARE SHOWN FOR REFERENCE.

PAVE ASPHALTIC SURFACE (Y2). FLUSH WITH THE TOP OF EXISTING PAVEMENT. MILL AND OVERLAY UPPER LAYER THROUGHOUT INTERSECTION. (SEE TYPICAL SECTIONS)

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PAVING DETAILS: STEWART AVE	SHEET 25	E

2

LEGEND

- C1 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 CONCRETE CURB AND GUTTER HES 30-INCH TYPE D (THRU DRIVEWAYS AS SHOWN)
- C3 CONCRETE CURB AND GUTTER 18-INCH TYPE D
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
- S1 CONCRETE SIDEWALK 6-INCH
- P1 CONCRETE PAVEMENT 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- D1 3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 8" BASE AGGREGATE DENSE 1 1/4-INCH
- D2 8" BASE AGGREGATE DENSE 3/4-INCH DRIVEWAY
- D3 CONCRETE DRIVEWAY HES 8-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- ADJUSTING VALVE BOX
- D4 CONCRETE DRIVEWAY HES 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- F1 ASPHALTIC FLUMES
- M1 HMA PAVEMENT MULTI-USE TRAIL (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- Y1 HMA PAVEMENT (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (4-INCH MIN) MATCH EXISTING PAVEMENT DEPTH
- MILL AND OVERLAY LIMITS (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- XXXXXXX SAWCUT
- CATCH BASIN AND MANHOLE WORK (SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION)
- SANITARY SEWER AND WATERMAIN WORK (SEE UTILITY PLAN FOR ADDITIONAL INFO)

NOTES

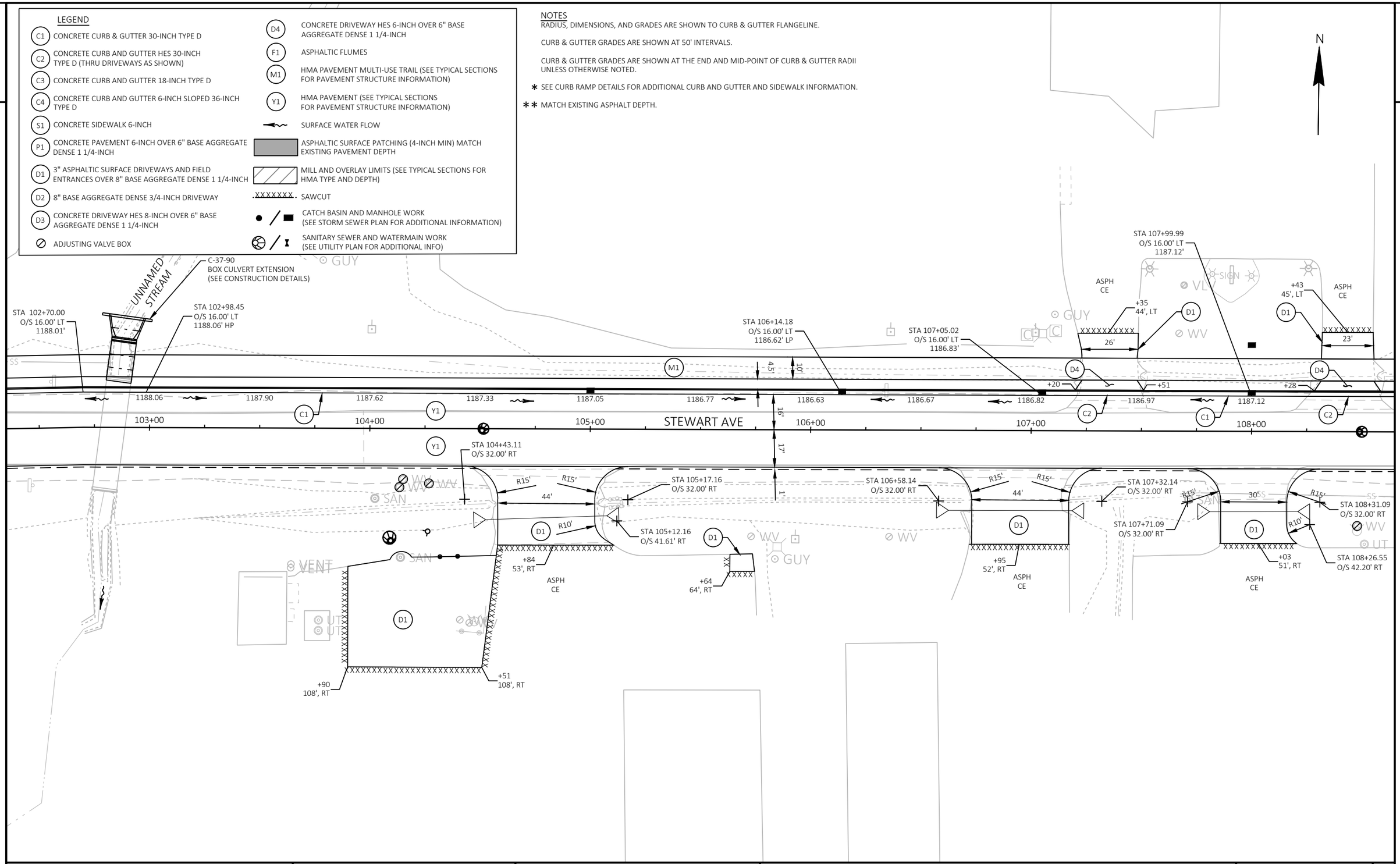
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* SEE CURB RAMP DETAILS FOR ADDITIONAL CURB AND GUTTER AND SIDEWALK INFORMATION.

** MATCH EXISTING ASPHALT DEPTH.



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PAVING DETAILS: STEWART AVE	SHEET 26	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 02

PLOT DATE : 11/1/2023 6:13 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- C1 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 CONCRETE CURB AND GUTTER HES 30-INCH TYPE D (THRU DRIVEWAYS AS SHOWN)
- C3 CONCRETE CURB AND GUTTER 18-INCH TYPE D
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
- S1 CONCRETE SIDEWALK 6-INCH
- P1 CONCRETE PAVEMENT 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- D1 3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 8" BASE AGGREGATE DENSE 1 1/4-INCH
- D2 8" BASE AGGREGATE DENSE 3/4-INCH DRIVEWAY
- D3 CONCRETE DRIVEWAY HES 8-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- ADJUSTING VALVE BOX
- D4 CONCRETE DRIVEWAY HES 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- F1 ASPHALTIC FLUMES
- M1 HMA PAVEMENT MULTI-USE TRAIL (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- Y1 HMA PAVEMENT (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (4-INCH MIN) MATCH EXISTING PAVEMENT DEPTH
- MILL AND OVERLAY LIMITS (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- SAWCUT
- CATCH BASIN AND MANHOLE WORK (SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION)
- SANITARY SEWER AND WATERMAIN WORK (SEE UTILITY PLAN FOR ADDITIONAL INFO)

NOTES

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* SEE CURB RAMP DETAILS FOR ADDITIONAL CURB AND GUTTER AND SIDEWALK INFORMATION.

** MATCH EXISTING ASPHALT DEPTH.

N

2

ASPH CE +43 45', LT

D4 +58

M1 +13

C2 1187.27

1187.42

C1 1187.57

1187.72

C2 1187.87

109+00

110+00

D3 ** D1 +16 33', LT

D3 +33 49', LT

CONC CE +33 44', LT

35' +51 33', LT

STA 110+80.14 O/S 16.00' LT 1187.96'

111+00

1188.02

4.5'

10'

P1 +54

16'

Y1

17'

Y1

1'

STEWART AVE

D3 ** D1 +07 33', LT

D3 CONC CE +24 52', LT

+24 47', LT

35' +42 33', LT

STA 112+55 O/S 16.00' LT 1188.48'

+45 +04

M1

1188.17

C1 1188.32

112+00

C2 1188.47

113+00

1188.62

C1 1188.82

114+00

1189.19

STA 112+56.03 O/S 32.00' RT

STA 109+20.08 O/S 32.01' RT

R15' R10' 30' R15' R10'

D1

STA 109+25.11 O/S 40.86' RT

STA 109+80.08 O/S 32.00' RT

STA 109+75.10 O/S 40.34' RT

+50 50', RT

ASPH CE

D1 +07 68', RT

+14 68', RT

STA 111+96.03 O/S 32.00' RT

STA 111+96.08 O/S 36.00' RT

R15' R15' 30' R15' R15'

D1

+25 51', RT

ASPH CE

+84 57', RT

+94 57', RT

D1 30'

STA 113+24.00 O/S 32.00' RT

+94 46', RT

BASE AGG CE

D2

STA 112+64.00 O/S 32.00' RT

STA 112+56.08 O/S 36.00' RT

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PAVING DETAILS: STEWART AVE	SHEET 27	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 03

PLOT DATE : 11/1/2023 6:14 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- C1 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 CONCRETE CURB AND GUTTER HES 30-INCH TYPE D (THRU DRIVEWAYS AS SHOWN)
- C3 CONCRETE CURB AND GUTTER 18-INCH TYPE D
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
- S1 CONCRETE SIDEWALK 6-INCH
- P1 CONCRETE PAVEMENT 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- D1 3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 8" BASE AGGREGATE DENSE 1 1/4-INCH
- D2 8" BASE AGGREGATE DENSE 3/4-INCH DRIVEWAY
- D3 CONCRETE DRIVEWAY HES 8-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- ADJUSTING VALVE BOX
- D4 CONCRETE DRIVEWAY HES 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- F1 ASPHALTIC FLUMES
- M1 HMA PAVEMENT MULTI-USE TRAIL (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- Y1 HMA PAVEMENT (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (4-INCH MIN) MATCH EXISTING PAVEMENT DEPTH
- MILL AND OVERLAY LIMITS (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- SAWCUT
- CATCH BASIN AND MANHOLE WORK (SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION)
- SANITARY SEWER AND WATERMAIN WORK (SEE UTILITY PLAN FOR ADDITIONAL INFO)

NOTES

RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

CURB & GUTTER GRADES ARE SHOWN AT 50' INTERVALS.

CURB & GUTTER GRADES ARE SHOWN AT THE END AND MID-POINT OF CURB & GUTTER RADII UNLESS OTHERWISE NOTED.

* SEE CURB RAMP DETAILS FOR ADDITIONAL CURB AND GUTTER AND SIDEWALK INFORMATION.

** MATCH EXISTING ASPHALT DEPTH.

N

S 68TH AVE

STEWART AVE

42+00

41+00

END CONSTRUCTION
STA 41+00,0.00'
SAWCUT REQ'D
MATCH EXISTING

STA 41+00
O/S 12.58' RT
1203.84'

STA 40+94.36
O/S 11.58' RT
1203.59'

STA 40+57.09
O/S 15.00' RT
1202.15' LP

STA 40+54.93
O/S 15.00' LT
1201.34'

+95.93
13.08', LT

+64.94
15.00', LT

STA 118+36.99
O/S 56.00' LT
STA 40+54.93
O/S 55.00' LT

STA 118+64.99
O/S 27.44' LT
1200.77'

STA 118+36.99
O/S 16.00' LT
1199.67'

STA 119+47.01
O/S 56.00' LT
STA 40+57.09
O/S 55.00' RT

STA 119+47.01
O/S 16.00' LT
1204.09'

PIPE UNDERDRAIN
(SEE STORM SEWER PLANS)

STA 115+25
O/S 16.00' LT
1190.86'

1189.73 1190.45 1191.33 1192.38 1193.60 1194.98 1196.55 1198.28 1204.21 1206.23

115+00 116+00 117+00 118+00 119+00 120+00

10' 4.5' 16' 17' 1'

15' 15'

R40' R40'

+88 +10

STA 114+65.00
O/S 32.00' RT

STA 115+17.00
O/S 32.00' RT

STA 115+97.00
O/S 32.00' RT

STA 116+43.00
O/S 32.00' RT

STA 117+80.27
O/S 32.00' RT

STA 118+34.27
O/S 32.00' RT

+07
32', RT

STA 119+18.45
O/S 27.99' LT
1202.61'

22'

+02
52', RT

+91
62', RT

BASE AGG
FE

+80
52', RT

16'

+28
49', RT

12'

+12
49', RT

+21
60', RT

ASPH
PE

24'

+07
52', RT

BASE AGG
FE

R15'

SAN WV GUY

2

LEGEND

- C1 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 CONCRETE CURB AND GUTTER HES 30-INCH TYPE D (THRU DRIVEWAYS AS SHOWN)
- C3 CONCRETE CURB AND GUTTER 18-INCH TYPE D
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
- S1 CONCRETE SIDEWALK 6-INCH
- P1 CONCRETE PAVEMENT 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- D1 3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 8" BASE AGGREGATE DENSE 1 1/4-INCH
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- D4 CONCRETE DRIVEWAY HES 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- F1 ASPHALTIC FLUMES
- M1 HMA PAVEMENT MULTI-USE TRAIL (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- Y1 HMA PAVEMENT (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (4-INCH MIN) MATCH EXISTING PAVEMENT DEPTH
- MILL AND OVERLAY LIMITS (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- XXXXXXX SAWCUT
- CATCH BASIN AND MANHOLE WORK (SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION)
- SANITARY SEWER AND WATERMAIN WORK (SEE UTILITY PLAN FOR ADDITIONAL INFO)

NOTES

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CURB & GUTTER GRADES ARE SHOWN AT 50' INTERVALS.

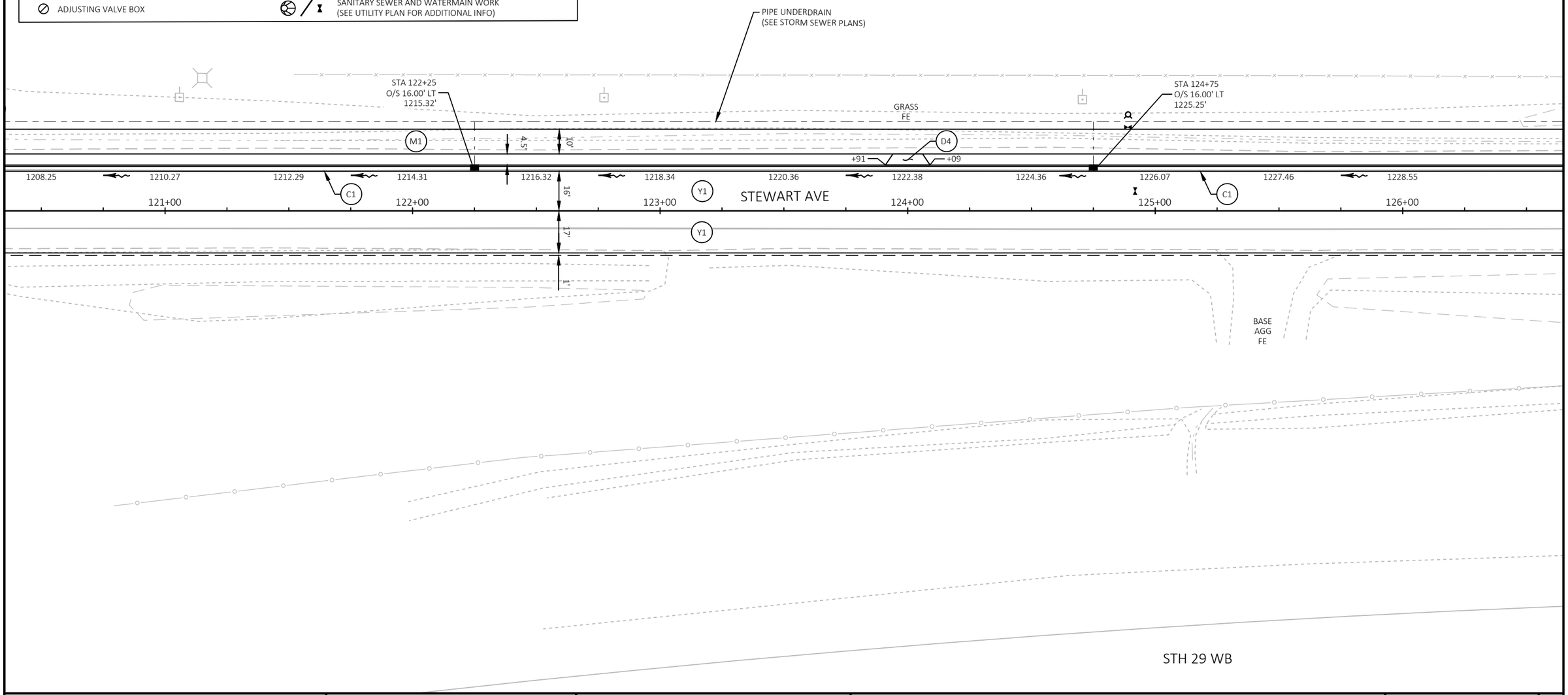
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* SEE CURB RAMP DETAILS FOR ADDITIONAL CURB AND GUTTER AND SIDEWALK INFORMATION.

** MATCH EXISTING ASPHALT DEPTH.

N

2



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PAVING DETAILS: STEWART AVE	SHEET 29	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 05

PLOT DATE : 11/1/2023 6:14 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- C1 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 CONCRETE CURB AND GUTTER HES 30-INCH TYPE D (THRU DRIVEWAYS AS SHOWN)
- C3 CONCRETE CURB AND GUTTER 18-INCH TYPE D
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
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- F1 ASPHALTIC FLUMES
- M1 HMA PAVEMENT MULTI-USE TRAIL (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- Y1 HMA PAVEMENT (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (4-INCH MIN) MATCH EXISTING PAVEMENT DEPTH
- MILL AND OVERLAY LIMITS (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- SAWCUT
- CATCH BASIN AND MANHOLE WORK (SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION)
- SANITARY SEWER AND WATERMAIN WORK (SEE UTILITY PLAN FOR ADDITIONAL INFO)

NOTES

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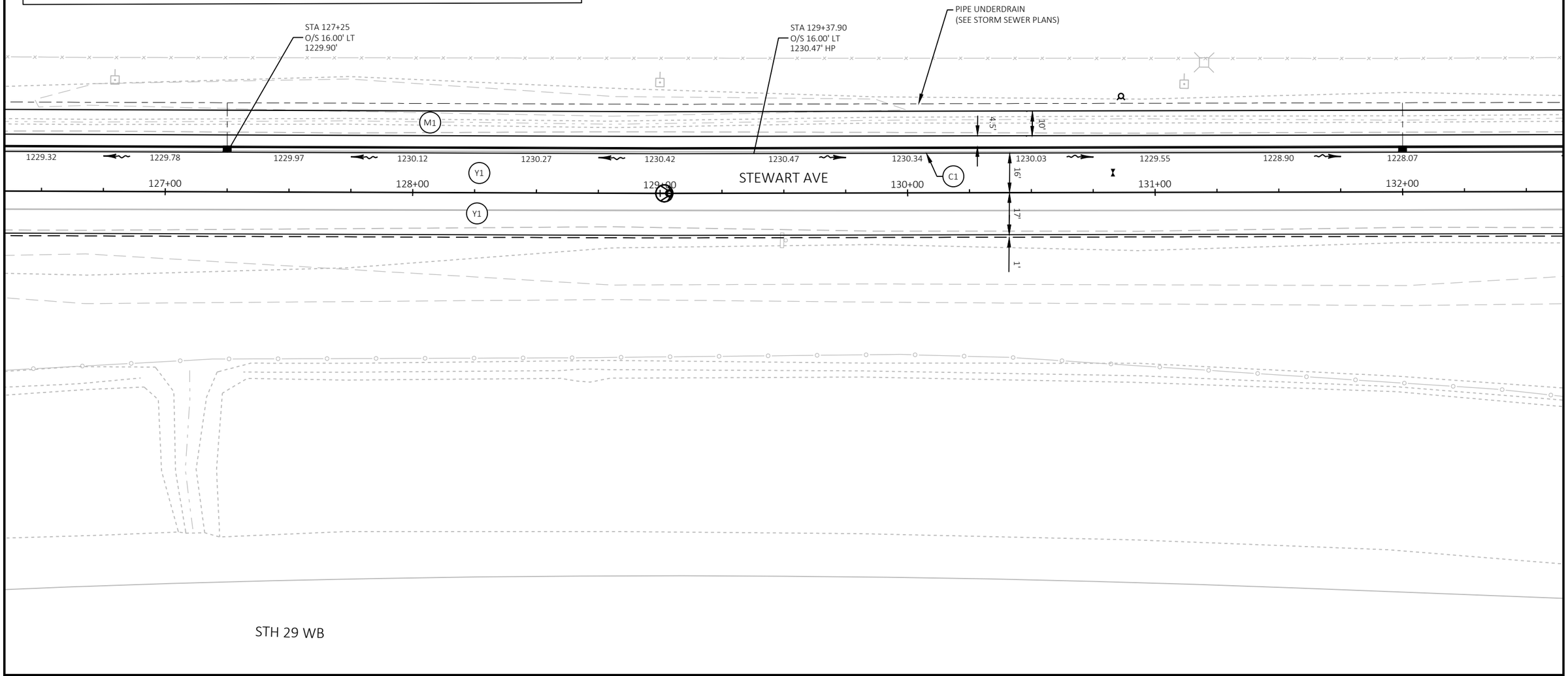
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** MATCH EXISTING ASPHALT DEPTH.

N



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PAVING DETAILS: STEWART AVE	SHEET 30	E

LEGEND

- C1 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 CONCRETE CURB AND GUTTER HES 30-INCH TYPE D (THRU DRIVEWAYS AS SHOWN)
- C3 CONCRETE CURB AND GUTTER 18-INCH TYPE D
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
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- SAWCUT
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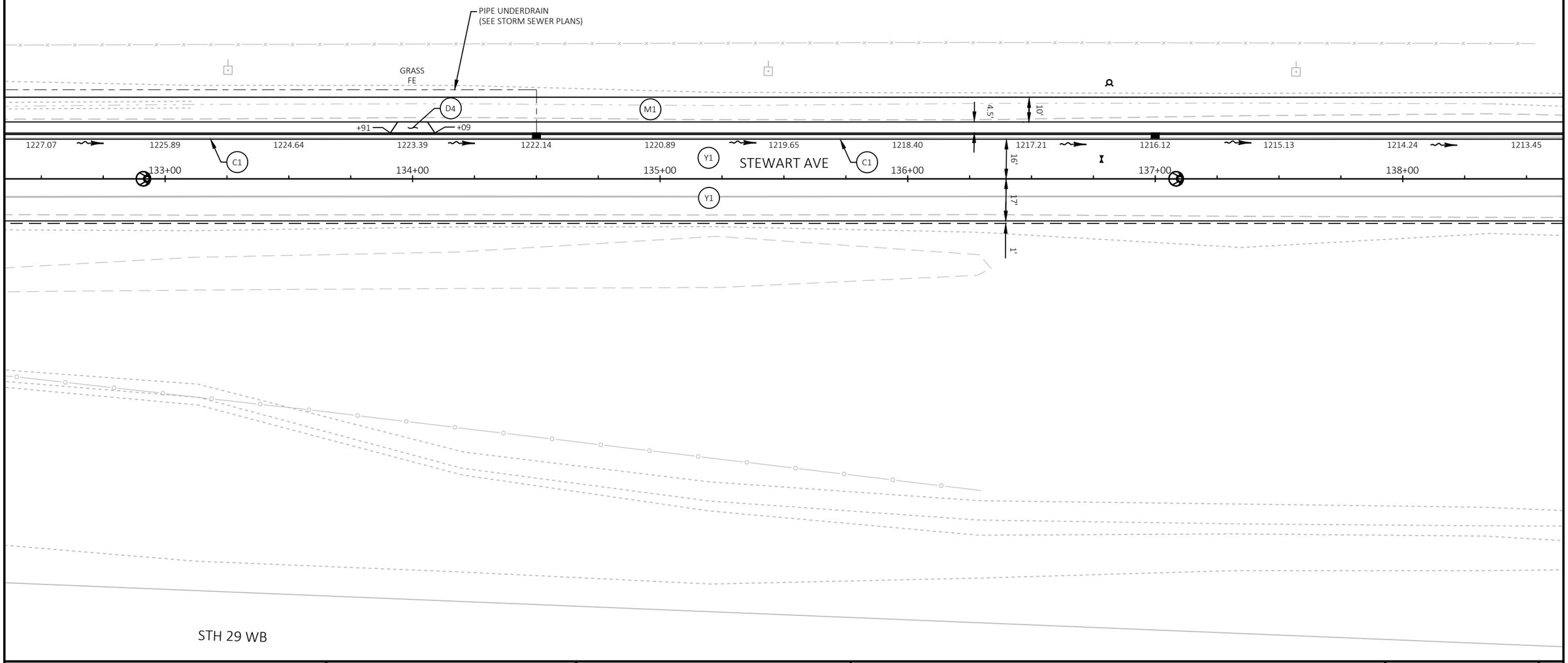
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** MATCH EXISTING ASPHALT DEPTH.

N



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PAVING DETAILS: STEWART AVE	SHEET 31	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 07

PLOT DATE : 11/1/2023 6:14 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

- C1 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 CONCRETE CURB AND GUTTER HES 30-INCH TYPE D (THRU DRIVEWAYS AS SHOWN)
- C3 CONCRETE CURB AND GUTTER 18-INCH TYPE D
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
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- M1 HMA PAVEMENT MULTI-USE TRAIL (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- Y1 HMA PAVEMENT (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (4-INCH MIN) MATCH EXISTING PAVEMENT DEPTH
- MILL AND OVERLAY LIMITS (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- SAWCUT
- CATCH BASIN AND MANHOLE WORK (SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION)
- SANITARY SEWER AND WATERMAIN WORK (SEE UTILITY PLAN FOR ADDITIONAL INFO)

NOTES

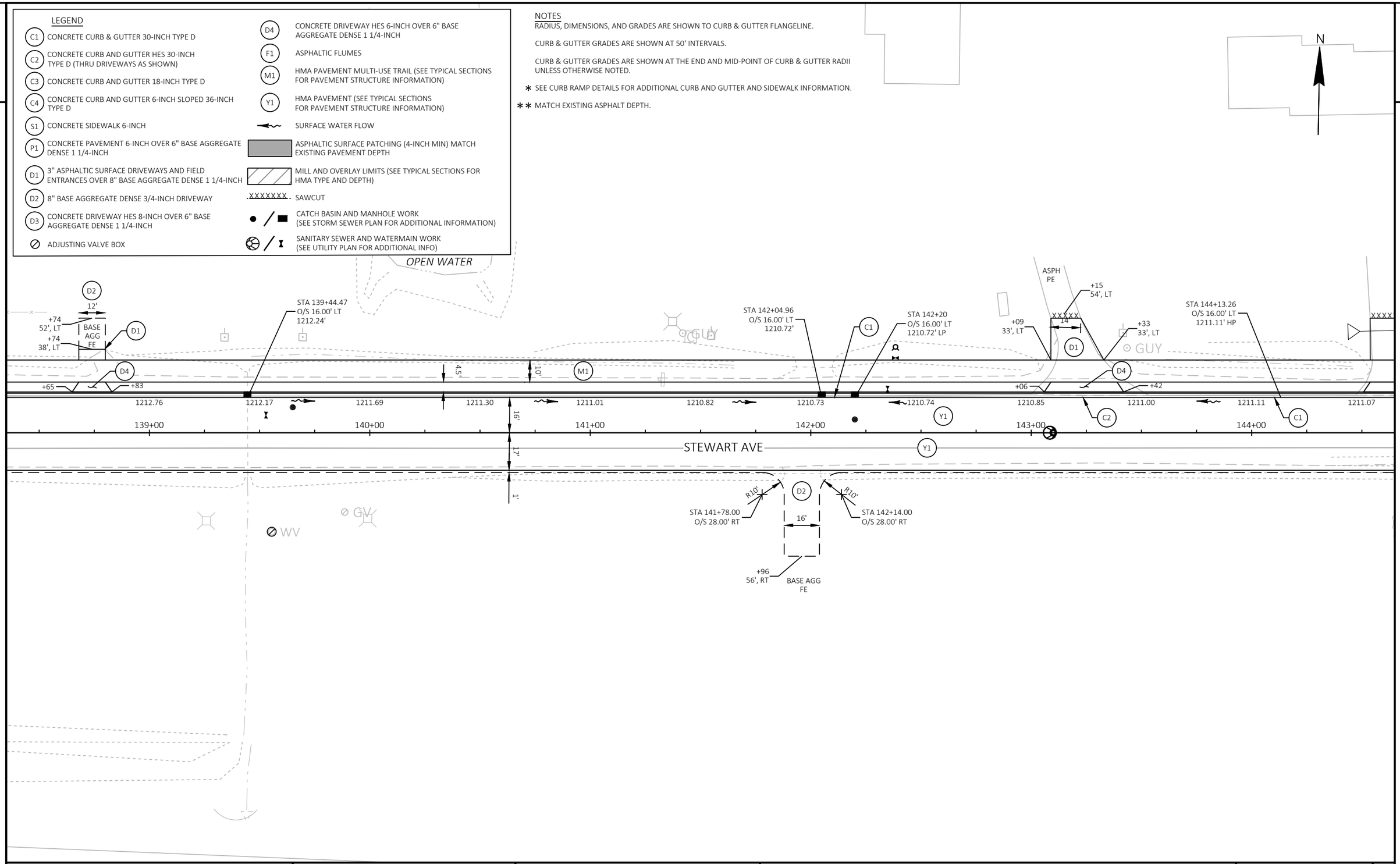
RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

CURB & GUTTER GRADES ARE SHOWN AT 50' INTERVALS.

CURB & GUTTER GRADES ARE SHOWN AT THE END AND MID-POINT OF CURB & GUTTER RADII UNLESS OTHERWISE NOTED.

* SEE CURB RAMP DETAILS FOR ADDITIONAL CURB AND GUTTER AND SIDEWALK INFORMATION.

** MATCH EXISTING ASPHALT DEPTH.



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PAVING DETAILS: STEWART AVE	SHEET 32	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 08

PLOT DATE : 11/1/2023 6:14 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- C1 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 CONCRETE CURB AND GUTTER HES 30-INCH TYPE D (THRU DRIVEWAYS AS SHOWN)
- C3 CONCRETE CURB AND GUTTER 18-INCH TYPE D
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
- S1 CONCRETE SIDEWALK 6-INCH
- P1 CONCRETE PAVEMENT 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- D1 3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 8" BASE AGGREGATE DENSE 1 1/4-INCH
- D2 8" BASE AGGREGATE DENSE 3/4-INCH DRIVEWAY
- D3 CONCRETE DRIVEWAY HES 8-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- ADJUSTING VALVE BOX
- D4 CONCRETE DRIVEWAY HES 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- F1 ASPHALTIC FLUMES
- M1 HMA PAVEMENT MULTI-USE TRAIL (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- Y1 HMA PAVEMENT (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (4-INCH MIN) MATCH EXISTING PAVEMENT DEPTH
- MILL AND OVERLAY LIMITS (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- SAWCUT
- CATCH BASIN AND MANHOLE WORK (SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION)
- SANITARY SEWER AND WATERMAIN WORK (SEE UTILITY PLAN FOR ADDITIONAL INFO)

NOTES

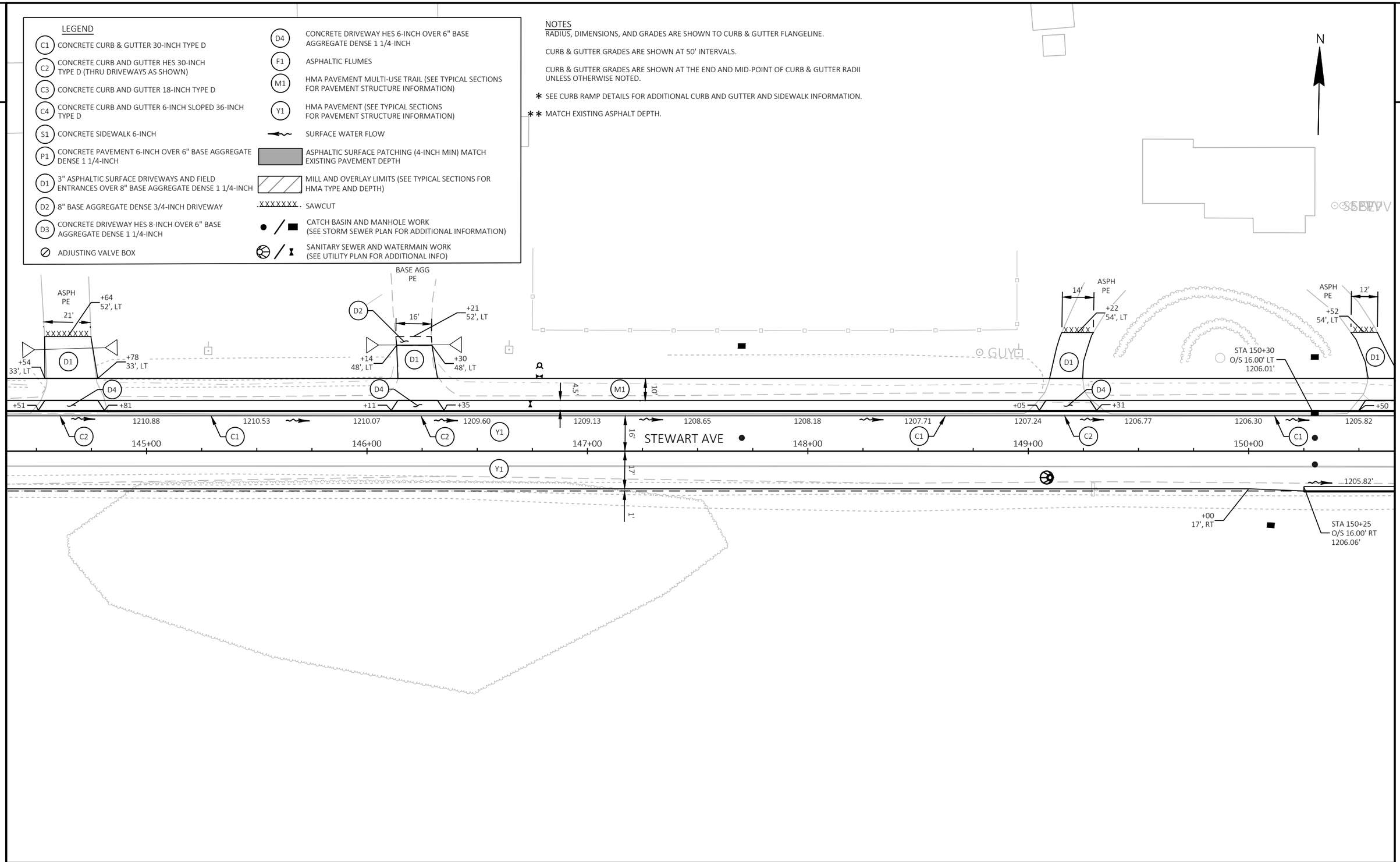
RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

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* SEE CURB RAMP DETAILS FOR ADDITIONAL CURB AND GUTTER AND SIDEWALK INFORMATION.

** MATCH EXISTING ASPHALT DEPTH.



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PAVING DETAILS: STEWART AVE	SHEET 33	E

2

N

S 56TH AVE

STEWART AVE

S 56TH AVE

END CONSTRUCTION
STA 152+94,100.19' LT
SAWCUT REQ'D
MATCH EXISTING

STA 152+80.07
O/S 100.10' LT
MATCH EXISTING

STA 152+79.82
O/S 56.41' LT
1202.84'

STA 152+79.74
O/S 53.23' LT
1202.78'

STA 152+42.20
O/S 53.50' LT
STA 60+53.14
O/S 51.54' LT

STA 152+40
O/S 16.00' LT
1204.02'

STA 152+68.66
O/S 26.89' LT
1203.19'

STA 152+42.24
O/S 16.00' LT
1203.99'

STA 153+08.07
O/S 99.90' LT
MATCH EXISTING

STA 153+07.85
O/S 66.32' LT
1202.91'

STA 153+08.88
O/S 55.89' LT
1202.81'

STA 153+57.85
O/S 66.00' LT
STA 60+66.45
O/S 64.02' RT
S 56TH AVE FLANGE RAD PT

STA 153+29.32
O/S 50.96' LT
1202.85'

STA 153+29.31
O/S 48.00' LT
1202.86'

STA 153+41.81
O/S 48.00' LT
STA 60+48.34
O/S 48.10' RT
PARKING LOT FLANGE RAD PT

STA 153+32.96
O/S 39.17' LT
1202.89'

STA 153+41.81
O/S 35.50' LT
1202.92'

STA 154+40
O/S 16.00' LT
1201.65'

STA 154+46.70
O/S 35.50' LT
1201.87'

STA 153+22.38
O/S 30.76' LT
1202.92'

STA 153+57.85
O/S 16.00' LT
1202.69'

STA 152+73.76
O/S 27.83' RT
1202.90'

STA 152+40
O/S 16.00' RT
1204.02'

STA 152+46.46 #
O/S 25.00' RT

STA 152+45.36
O/S 16.00' RT
1203.96'

STA 152+76.61 #
O/S 35.28' RT

STA 59+43.57
O/S 13.00' LT
1201.65'

STA 152+45.36
O/S 56.00' RT
STA 59+43.57
O/S 53.00' LT

END CONSTRUCTION
STA 59+35,0.00'
SAWCUT REQ'D
MATCH EXISTING

STA 153+23.19
O/S 27.60' RT
1202.31'

STA 153+51.36
O/S 16.00' RT
1202.77'

STA 153+30.26
O/S 25.00' RT

STA 153+20.11
O/S 35.28' RT

STA 153+51.36
O/S 56.00' RT
STA 59+44.43
O/S 53.00' RT

STA 59+44.43
O/S 13.00' RT
1201.68'

STA 59+00
O/S 13.00' RT
1200.79'

STA 58+80
O/S 13.00' RT
1200.46'

END CONSTRUCTION
STA 58+80,13.18' RT
SAWCUT REQ'D
MATCH EXISTING

ASPH PE
12'
+52
54', LT
D1
D4
M1
+50
+76
10'
4.5'
1205.35
1204.88
1204.41
C2
Y1
C1
16'
151+00
152+00
153+00
154+00
155+00
156+00
1202.16
1201.52
1200.87
1200.23
1199.59
+49
+90
+15
+47
11'
R50'
R12'
R38'
S1
C3
ASPH CE
+12
55', LT
+22
100', LT
+27
64', LT
+64
35', RT
+32
45', LT
+05
45', LT
+05
36', LT
+08
33', LT
CONCRETE PE
+31
53', LT
26'
61+00
59+00
14'
13'
SAN
WELL
GUY
WV
SS
SIGN

Y1
+33
+12
D2
4'
12'
+23
45', RT
BASE AGG PE
R40'
+24
45', RT
+84
+29
+93
45', RT
+22
45', RT
+07
55', RT
29'
+38
16', RT
+10
26', RT
+83
19', RT
+80
15', RT
+97
+19
+08
29', RT
16'
+88
+14
+01
40', RT
19'

NOTES
RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

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* SEE CURB RAMP DETAILS FOR ADDITIONAL CURB AND GUTTER AND SIDEWALK INFORMATION.

** MATCH EXISTING ASPHALT DEPTH.

10' MINIMUM CURB CUT OPENING PARALLEL TO STEWART AVE.

LEGEND

- C1 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 CONCRETE CURB AND GUTTER HES 30-INCH TYPE D (THRU DRIVEWAYS AS SHOWN)
- C3 CONCRETE CURB AND GUTTER 18-INCH TYPE D
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
- S1 CONCRETE SIDEWALK 6-INCH
- P1 CONCRETE PAVEMENT 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- D1 3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 8" BASE AGGREGATE DENSE 1 1/4-INCH
- D2 8" BASE AGGREGATE DENSE 3/4-INCH DRIVEWAY
- D3 CONCRETE DRIVEWAY HES 8-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- ADJUSTING VALVE BOX
- D4 CONCRETE DRIVEWAY HES 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- F1 ASPHALTIC FLUMES
- M1 HMA PAVEMENT MULTI-USE TRAIL (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- Y1 HMA PAVEMENT (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (4-INCH MIN) MATCH EXISTING PAVEMENT DEPTH
- MILL AND OVERLAY LIMITS (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- SAWCUT
- CATCH BASIN AND MANHOLE WORK (SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION)
- SANITARY SEWER AND WATERMAIN WORK (SEE UTILITY PLAN FOR ADDITIONAL INFO)

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PAVING DETAILS: STEWART AVE	SHEET 34	E

2

LEGEND

- C1 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 CONCRETE CURB AND GUTTER HES 30-INCH TYPE D (THRU DRIVEWAYS AS SHOWN)
- C3 CONCRETE CURB AND GUTTER 18-INCH TYPE D
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
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- Y1 HMA PAVEMENT (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (4-INCH MIN) MATCH EXISTING PAVEMENT DEPTH
- MILL AND OVERLAY LIMITS (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- SAWCUT
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** MATCH EXISTING ASPHALT DEPTH.

N

STEWART AVE

157+00 158+00 159+00 160+00 161+00 162+00

O/S 16.00' LT 1198.98'

STA 157+85.99 O/S 16.00' LT 1198.39'

STA 158+01 O/S 16.00' LT 1198.39' LP

STA 158+16 O/S 16.00' LT 1198.39'

+94 53', LT — ASPH CE — 33' — D1

+95 55', LT — ASPH CE — 25' — D1

+04 54', LT — ASPH CE — 34' — D1

D4 +70 1199.07 C1 1198.69 1198.47 1198.39 1198.46 C2 +20 1198.67 Y1 1198.92 C1 C2 +73 1199.17 +14 1199.41 4' 10' M1 1199.66 C1 1199.91 C2 +83 1200.16 C1 +24 1200.41

16'

+86 — D1 20' — +12 D4 — +99 40', RT — ASPH PE

+78 — D2 12' — +96 D4 — +87 45', RT — BASE AGG PE

STA 158+01 O/S 16.00' RT 1198.39' LP

+47 D4 — D1 17' — +71 — +59 45', RT — ASPH PE

+66 D4 — D1 13' — +86 — +76 45', RT — ASPH PE

SAN WV GUY SEPV SS SIGN

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PAVING DETAILS: STEWART AVE	SHEET 35	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 11

PLOT DATE : 11/1/2023 6:15 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- C1 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 CONCRETE CURB AND GUTTER HES 30-INCH TYPE D (THRU DRIVEWAYS AS SHOWN)
- C3 CONCRETE CURB AND GUTTER 18-INCH TYPE D
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
- S1 CONCRETE SIDEWALK 6-INCH
- P1 CONCRETE PAVEMENT 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- D1 3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 8" BASE AGGREGATE DENSE 1 1/4-INCH
- D2 8" BASE AGGREGATE DENSE 3/4-INCH DRIVEWAY
- D3 CONCRETE DRIVEWAY HES 8-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- ADJUSTING VALVE BOX
- D4 CONCRETE DRIVEWAY HES 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- F1 ASPHALTIC FLUMES
- M1 HMA PAVEMENT MULTI-USE TRAIL (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- Y1 HMA PAVEMENT (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (4-INCH MIN) MATCH EXISTING PAVEMENT DEPTH
- MILL AND OVERLAY LIMITS (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- XXXXXXX SAWCUT
- CATCH BASIN AND MANHOLE WORK (SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION)
- SANITARY SEWER AND WATERMAIN WORK (SEE UTILITY PLAN FOR ADDITIONAL INFO)

NOTES

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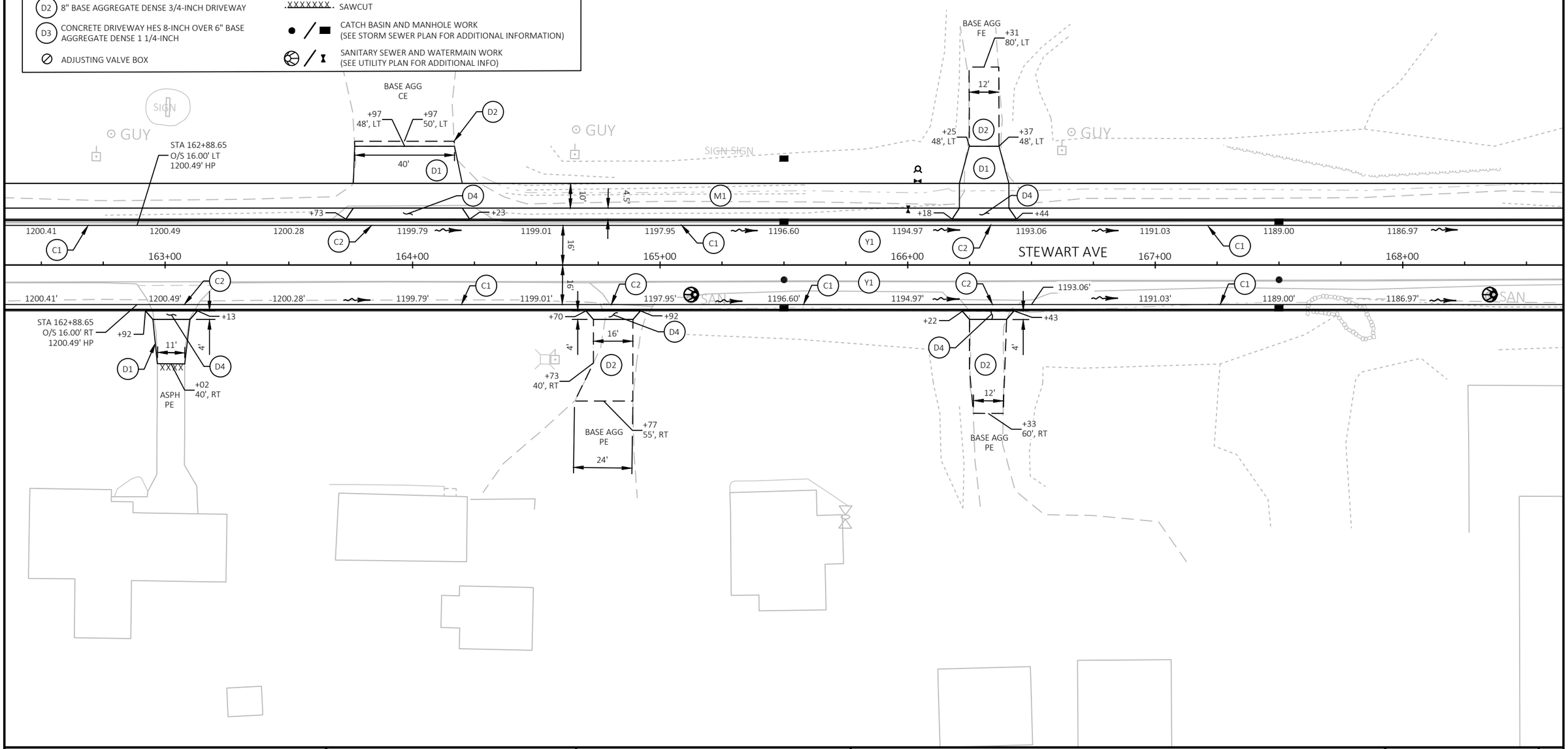
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* SEE CURB RAMP DETAILS FOR ADDITIONAL CURB AND GUTTER AND SIDEWALK INFORMATION.

** MATCH EXISTING ASPHALT DEPTH.

N



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PAVING DETAILS: STEWART AVE	SHEET 36	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 12

PLOT DATE : 11/1/2023 6:15 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- C1 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 CONCRETE CURB AND GUTTER HES 30-INCH TYPE D (THRU DRIVEWAYS AS SHOWN)
- C3 CONCRETE CURB AND GUTTER 18-INCH TYPE D
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
- S1 CONCRETE SIDEWALK 6-INCH
- P1 CONCRETE PAVEMENT 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- D1 3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 8" BASE AGGREGATE DENSE 1 1/4-INCH
- D2 8" BASE AGGREGATE DENSE 3/4-INCH DRIVEWAY
- D3 CONCRETE DRIVEWAY HES 8-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- ADJUSTING VALVE BOX
- D4 CONCRETE DRIVEWAY HES 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- F1 ASPHALTIC FLUMES
- M1 HMA PAVEMENT MULTI-USE TRAIL (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- Y1 HMA PAVEMENT (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (4-INCH MIN) MATCH EXISTING PAVEMENT DEPTH
- MILL AND OVERLAY LIMITS (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- SAWCUT
- CATCH BASIN AND MANHOLE WORK (SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION)
- SANITARY SEWER AND WATERMAIN WORK (SEE UTILITY PLAN FOR ADDITIONAL INFO)

NOTES

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** MATCH EXISTING ASPHALT DEPTH.

N

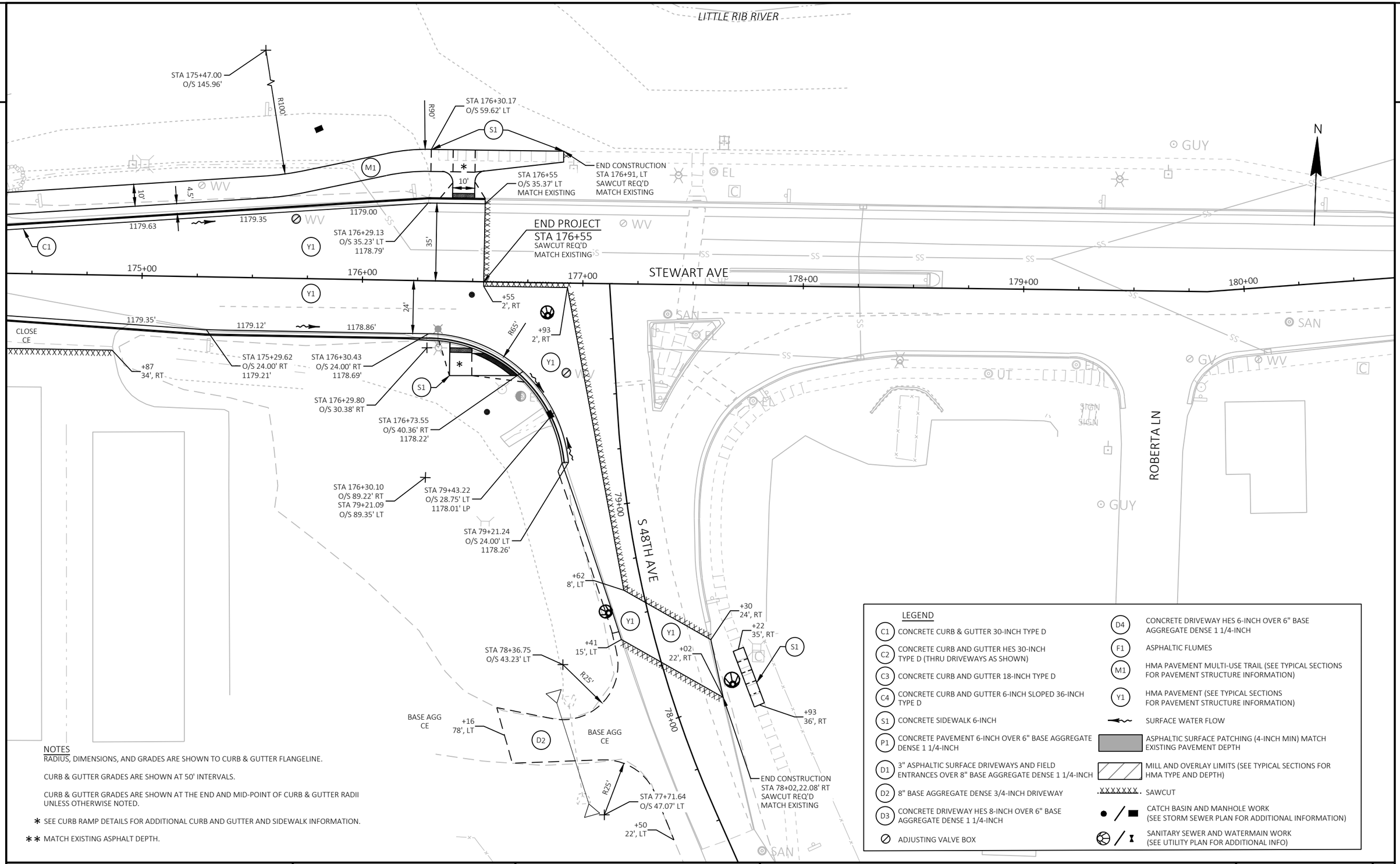
STEWART AVE

169+00 170+00 171+00 172+00 173+00 174+00

STA 169+50 O/S 16.00' LT 1181.83'
STA 170+06.45 O/S 62.50' LT ± 1180.82'
STA 170+06.45 O/S 56.50' LT ± 1180.73'
STA 170+56.45 O/S 60.59' LT ± 1181.26'
STA 170+90 O/S 16.00' LT 1179.45'
STA 171+59.17 O/S 16.00' LT 1179.15' LP
STA 173+90.31 O/S 16.00' LT 1179.65' HP
STA 173+92.01 O/S 16.00' LT 1179.65'
STA 169+50 O/S 16.00' RT 1181.83'
STA 170+90 O/S 16.00' RT 1179.45'
STA 170+91.12 O/S 16.65' RT
STA 171+59.17 O/S 16.00' RT 1179.15' LP
STA 172+86.88 O/S 27.94' RT
STA 173+79.62 O/S 16.00' RT 1179.65'
STA 173+90.31 O/S 16.57' RT 1179.64' HP
STA 174+26.71 O/S 26.00' RT

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PAVING DETAILS: STEWART AVE	SHEET 37	E

2



NOTES

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* SEE CURB RAMP DETAILS FOR ADDITIONAL CURB AND GUTTER AND SIDEWALK INFORMATION.

** MATCH EXISTING ASPHALT DEPTH.

LEGEND

- C1 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 CONCRETE CURB AND GUTTER HES 30-INCH TYPE D (THRU DRIVEWAYS AS SHOWN)
- C3 CONCRETE CURB AND GUTTER 18-INCH TYPE D
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
- S1 CONCRETE SIDEWALK 6-INCH
- P1 CONCRETE PAVEMENT 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- D1 3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 8" BASE AGGREGATE DENSE 1 1/4-INCH
- D2 8" BASE AGGREGATE DENSE 3/4-INCH DRIVEWAY
- D3 CONCRETE DRIVEWAY HES 8-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- ADJUSTING VALVE BOX
- D4 CONCRETE DRIVEWAY HES 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- F1 ASPHALTIC FLUMES
- M1 HMA PAVEMENT MULTI-USE TRAIL (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- Y1 HMA PAVEMENT (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (4-INCH MIN) MATCH EXISTING PAVEMENT DEPTH
- MILL AND OVERLAY LIMITS (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- SAWCUT
- CATCH BASIN AND MANHOLE WORK (SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION)
- SANITARY SEWER AND WATERMAIN WORK (SEE UTILITY PLAN FOR ADDITIONAL INFO)

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PAVING DETAILS: STEWART AVE	SHEET 38	E

LEGEND

- C1 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 CONCRETE CURB AND GUTTER HES 30-INCH TYPE D (THRU DRIVEWAYS AS SHOWN)
- C3 CONCRETE CURB AND GUTTER 18-INCH TYPE D
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
- C5 CONCRETE CURB AND GUTTER 12 1/2-INCH SLOPED HES 30-INCH TYPE D
- S1 CONCRETE SIDEWALK 6-INCH
- P1 CONCRETE PAVEMENT 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- D1 3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 8" BASE AGGREGATE DENSE 1 1/4-INCH
- D2 8" BASE AGGREGATE DENSE 3/4-INCH DRIVEWAY
- D3 CONCRETE DRIVEWAY HES 8-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- ADJUSTING VALVE BOX
- D4 CONCRETE DRIVEWAY HES 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- F1 ASPHALTIC FLUMES
- M1 HMA PAVEMENT MULTI-USE TRAIL (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- Y1 HMA PAVEMENT (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- Y2 5 1/4" ASPHALTIC SURFACE (1 3/4" UPPERLAYER) (3 1/2" LOWER LAYER)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (4-INCH MIN) MATCH EXISTING PAVEMENT DEPTH
- MILL AND OVERLAY LIMITS (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- SAWCUT
- CATCH BASIN AND MANHOLE WORK (SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION)
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RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

CURB & GUTTER GRADES ARE SHOWN AT 50' INTERVALS.

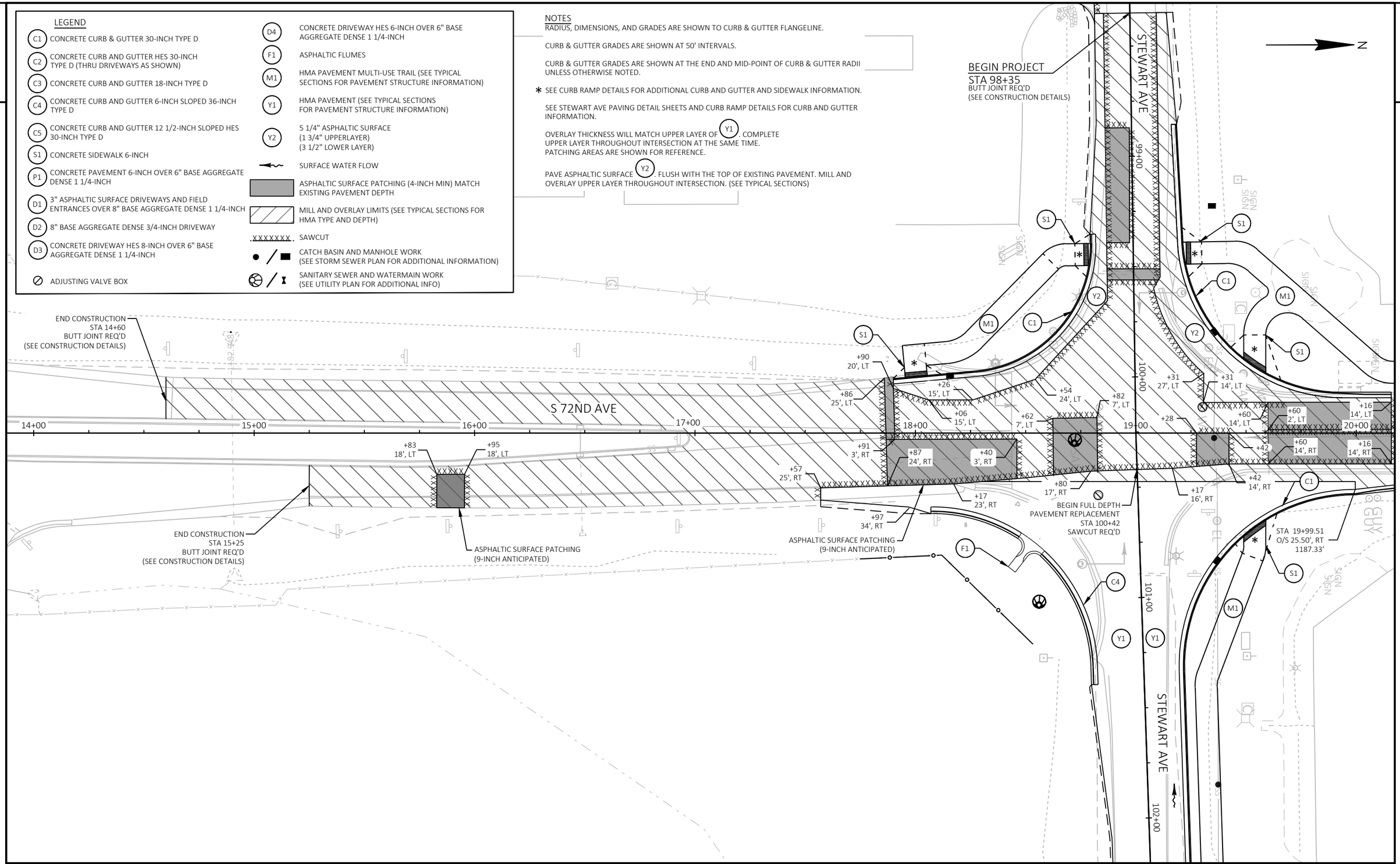
CURB & GUTTER GRADES ARE SHOWN AT THE END AND MID-POINT OF CURB & GUTTER RADII UNLESS OTHERWISE NOTED.

* SEE CURB RAMP DETAILS FOR ADDITIONAL CURB AND GUTTER AND SIDEWALK INFORMATION.

SEE STEWART AVE PAVING DETAIL SHEETS AND CURB RAMP DETAILS FOR CURB AND GUTTER INFORMATION.

OVERLAY THICKNESS WILL MATCH UPPER LAYER OF (Y1). COMPLETE UPPER LAYER THROUGHOUT INTERSECTION AT THE SAME TIME. PATCHING AREAS ARE SHOWN FOR REFERENCE.

PAVE ASPHALTIC SURFACE (Y2). FLUSH WITH THE TOP OF EXISTING PAVEMENT. MILL AND OVERLAY UPPER LAYER THROUGHOUT INTERSECTION. (SEE TYPICAL SECTIONS)



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PAVING DETAILS: S 72ND AVE	SHEET 39	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\021202-PD.DWG
LAYOUT NAME - 01

PLOT DATE : 11/1/2023 6:13 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

BEGIN PROJECT
STA 98+35
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

STEWART AVE

LEGEND

- C1 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 CONCRETE CURB AND GUTTER HES 30-INCH TYPE D (THRU DRIVEWAYS AS SHOWN)
- C3 CONCRETE CURB AND GUTTER 18-INCH TYPE D
- C4 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
- C5 CONCRETE CURB AND GUTTER 12 1/2-INCH SLOPED HES 30-INCH TYPE D
- S1 CONCRETE SIDEWALK 6-INCH
- P1 CONCRETE PAVEMENT 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- D1 3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 8" BASE AGGREGATE DENSE 1 1/4-INCH
- D2 8" BASE AGGREGATE DENSE 3/4-INCH DRIVEWAY
- D3 CONCRETE DRIVEWAY HES 8-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- ADJUSTING VALVE BOX
- D4 CONCRETE DRIVEWAY HES 6-INCH OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
- F1 ASPHALTIC FLUMES
- M1 HMA PAVEMENT MULTI-USE TRAIL (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- Y1 HMA PAVEMENT (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- Y2 5 1/4" ASPHALTIC SURFACE (1 3/4" UPPERLAYER) (3 1/2" LOWER LAYER)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (4-INCH MIN) MATCH EXISTING PAVEMENT DEPTH
- MILL AND OVERLAY LIMITS (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- XXXXXXX SAWCUT
- CATCH BASIN AND MANHOLE WORK (SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION)
- SANITARY SEWER AND WATERMAIN WORK (SEE UTILITY PLAN FOR ADDITIONAL INFO)

N

18+00 19+00 20+00 21+00 22+00 23+00 24+00

99+00 100+00 101+00 102+00

S 72ND AVE

ASPH CE 32'

ASPH CE 29'

ASPH CE 40'

+26 15', LT
+54 24', LT
+82 7', LT
+91 3', RT
+62 7', LT
+31 27', LT
+31 14', LT
+28
+60 14', LT
+60 2', LT
+16 14', LT
+16 2', LT
+42
+60 14', RT
+16 14', RT
+87 24', RT
+40 3', RT
+80 17', RT
+17 23', RT
+17 16', RT
+42 14', RT
+12 8', RT
+24 8', RT
+08 5.5', LT
+23 5.5', LT
+73
+07
+90 31', RT
+16
+40 28', RT
+61

1187.61' 1187.67' 1187.96' 1188.19' 1188.39' 1188.50'

BEGIN FULL DEPTH PAVEMENT REPLACEMENT STA 100+42 SAWCUT REQ'D

STA 19+99.51 O/S 25.50', RT 1187.33'

STA 20+09.29 O/S 24.42', RT 1187.48'

STA 20+49.51 O/S 20.00', RT 1187.72' HP

STA 21+18.37 O/S 20.00' RT 1187.53'

STA 21+72.94 O/S 20.00', RT 1187.78'

END CONSTRUCTION STA 23+61 BUTT JOINT REQ'D (SEE CONSTRUCTION DETAILS)

STA 23+36.27 O/S 16.00', RT 1188.53'

TRANSITION BETWEEN CURB & GUTTER TYPES

ASPHALTIC SURFACE PATCHING (9-INCH ANTICIPATED)

NOTES

RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

CURB & GUTTER GRADES ARE SHOWN AT 50' INTERVALS.

CURB & GUTTER GRADES ARE SHOWN AT THE END AND MID-POINT OF CURB & GUTTER RADII UNLESS OTHERWISE NOTED.

* SEE CURB RAMP DETAILS FOR ADDITIONAL CURB AND GUTTER AND SIDEWALK INFORMATION.

SEE STEWART AVE PAVING DETAIL SHEETS AND CURB RAMP DETAILS FOR CURB AND GUTTER INFORMATION.

OVERLAY THICKNESS WILL MATCH UPPER LAYER OF (Y1). COMPLETE UPPER LAYER THROUGHOUT INTERSECTION AT THE SAME TIME. PATCHING AREAS ARE SHOWN FOR REFERENCE.

PAVE ASPHALTIC SURFACE (Y2) FLUSH WITH THE TOP OF EXISTING PAVEMENT. MILL AND OVERLAY UPPER LAYER THROUGHOUT INTERSECTION. (SEE TYPICAL SECTIONS)

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PAVING DETAILS: S 72ND AVE	SHEET 40	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\021202-PD.DWG
LAYOUT NAME - 02

PLOT DATE : 11/1/2023 6:13 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

XXXXXXX SAWCUT	SURFACE WATER FLOW
C1 CONCRETE CURB & GUTTER 30-INCH TYPE D	CURB RAMP DETECTABLE WARNING FIELD (YELLOW)
C2 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	CURB RAMP DETECTABLE WARNING FIELD RADIAL (YELLOW)
C3 CONCRETE CURB & GUTTER 18-INCH TYPE D	INLET AND MANHOLE WORK (SEE STORM SEWER PLAN FOR ADDITIONAL INFO)
S1 CONCRETE SIDEWALK 6-INCH	LL LEVEL LANDING
M1 HMA PAVEMENT MULTI-USE TRAIL (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)	

NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE CONDITIONS OF THE STANDARD DETAIL DRAWINGS

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

THE MAXIMUM GRADE BREAK BETWEEN THE GUTTER PAN AND CURB RAMP SHALL BE 11%

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION

*MATCH EXISTING

S 72nd-S					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1-20	17+90.00	22.24' LT	1187.58	200219.30	256097.81
1-21	17+95.62	22.75' LT	1187.52	200224.92	256097.31
1-22	18+05.58	23.66' LT	1187.41	200234.88	256096.42
1-23	18+11.86	24.24' LT	1187.35	200241.17	256095.86
1-24	18+11.61	26.73' LT	1187.73	200240.93	256093.37
1-25	18+05.35	26.15' LT	1187.42	200234.66	256093.93
1-26	17+95.39	25.24' LT	1187.52	200224.70	256094.82
1-27	17+94.98	29.72' LT	1187.61	200224.30	256090.34
1-28	17+94.07	39.68' LT	1187.76	200223.41	256080.38
1-29	18+04.03	40.59' LT	1187.63	200233.37	256079.49
1-30	18+13.72	41.48' LT	1187.71	200243.07	256078.63
1-31	18+23.05	45.91' LT	1187.81	200252.41	256074.22
1-32	18+30.19	38.90' LT	1187.66	200259.53	256081.24
1-33	18+14.63	31.52' LT	1187.56	200243.95	256088.59
1-34	18+04.94	30.63' LT	1187.48	200234.26	256089.45

S 72nd-SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1 - 01	99+35.00	17.00' RT	1187.86	200311.16	256030.08
1 - 02	99+39.21	17.00' RT	1187.82	200311.21	256034.29
1 - 03	99+49.23	17.89' RT	1187.75	200310.44	256044.32
1 - 04	99+54.80	19.14' RT	1187.70	200309.26	256049.90
1 - 05	99+54.14	21.55' RT	1188.05	200306.85	256049.27
1 - 06	99+49.20	20.43' RT	1187.74	200307.91	256044.32
1 - 07	99+39.20	19.50' RT	1187.78	200308.71	256034.31
1 - 08	99+35.00	19.50' RT	1187.79	200308.66	256030.11
1 - 09	99+39.20	20.43' RT	1187.79	200307.79	256034.32
1 - 10	99+39.20	26.43' RT	1187.85	200301.79	256034.39
1 - 11	99+39.20	30.47' RT	1188.10	200297.75	256034.44
1 - 12	99+43.54	41.02' RT	1188.24	200287.25	256038.91
1 - 13	99+50.65	33.98' RT	1188.09	200294.37	256045.93
1 - 14	99+49.20	30.47' RT	1187.95	200297.87	256044.44
1 - 15	99+49.20	26.43' RT	1187.77	200301.91	256044.39

STA 99+38.93
O/S 77.00' RT

STA 18+12.35
O/S 56.42' LT

STA 99+54.20
O/S 30.47' RT

6:1 NON-TRAVERSABLE FLARE

TYPE 4B1 MODIFIED CURB RAMP DETECTABLE WARNING FIELD REQ'D

TYPE 3 MODIFIED CURB RAMP DETECTABLE WARNING FIELD REQ'D

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION

STEWART AVE

S 72ND AVE

PROPOSED R/W

R/W

TLE

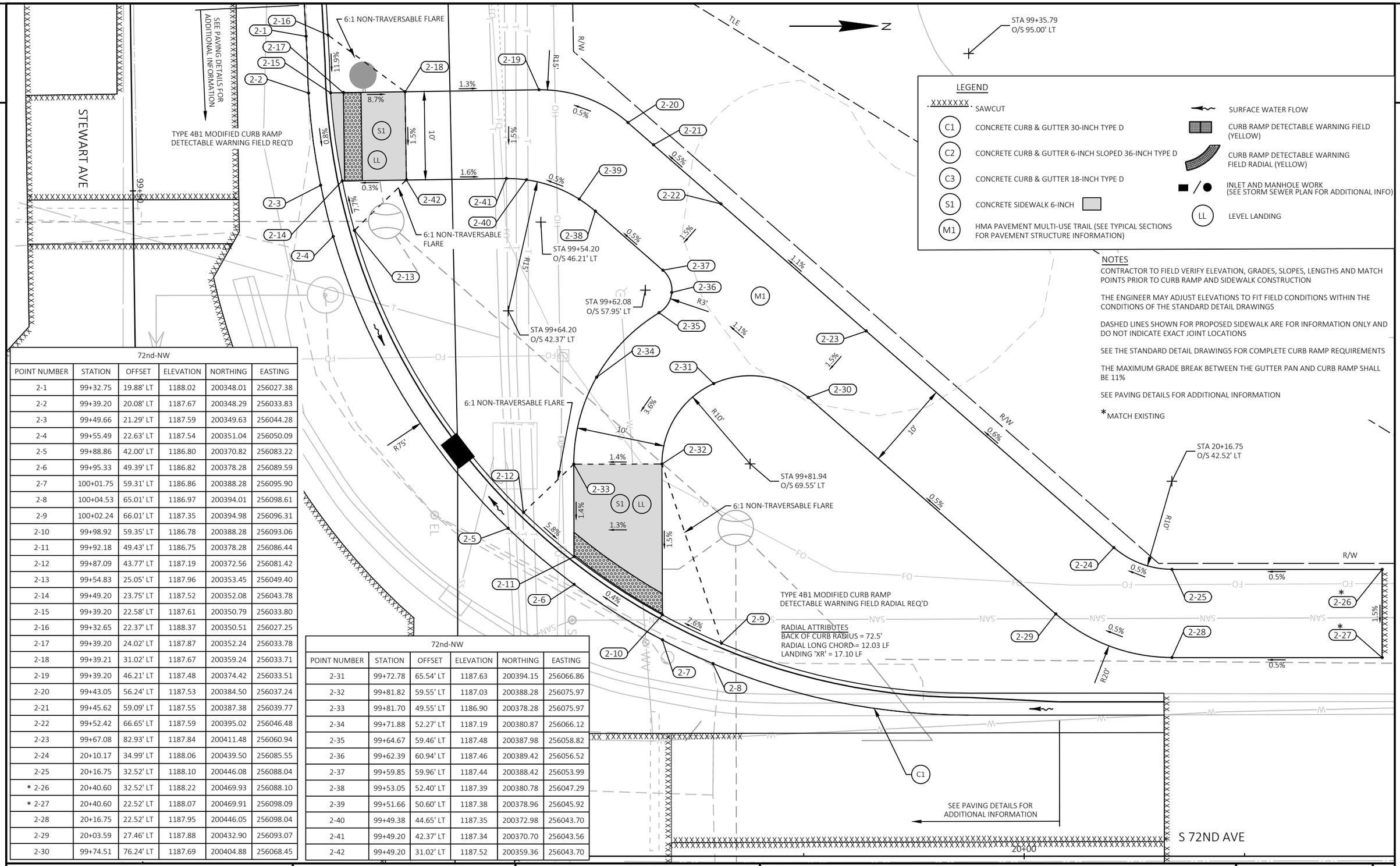
18+00

99+00

PROJECT NO: 6999-09-72	HWY: STEWART AVE	COUNTY: MARATHON	CURB RAMP DETAILS	SHEET 41	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 01

PLOT DATE : 11/1/2023 6:17 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:10 FT



NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE CONDITIONS OF THE STANDARD DETAIL DRAWINGS

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

THE MAXIMUM GRADE BREAK BETWEEN THE GUTTER PAN AND CURB RAMP SHALL BE 11%

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION

*MATCH EXISTING

72nd-NW

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2-1	99+32.75	19.88' LT	1188.02	200348.01	256027.38
2-2	99+39.20	20.08' LT	1187.67	200348.29	256033.83
2-3	99+49.66	21.29' LT	1187.59	200349.63	256044.28
2-4	99+55.49	22.63' LT	1187.54	200351.04	256050.09
2-5	99+88.86	42.00' LT	1186.80	200370.82	256083.22
2-6	99+95.33	49.39' LT	1186.82	200378.28	256089.59
2-7	100+01.75	59.31' LT	1186.86	200388.28	256095.90
2-8	100+04.53	65.01' LT	1186.97	200394.01	256098.61
2-9	100+02.24	66.01' LT	1187.35	200394.98	256096.31
2-10	99+98.92	59.35' LT	1186.78	200388.28	256093.06
2-11	99+92.18	49.43' LT	1186.75	200378.28	256086.44
2-12	99+87.09	43.77' LT	1187.19	200372.56	256081.42
2-13	99+54.83	25.05' LT	1187.96	200353.45	256049.40
2-14	99+49.20	23.75' LT	1187.52	200352.08	256043.78
2-15	99+39.20	22.58' LT	1187.61	200350.79	256033.80
2-16	99+32.65	22.37' LT	1188.37	200350.51	256027.25
2-17	99+39.20	24.02' LT	1187.87	200352.24	256033.78
2-18	99+39.21	31.02' LT	1187.67	200359.24	256033.71
2-19	99+39.20	46.21' LT	1187.48	200374.42	256033.51
2-20	99+43.05	56.24' LT	1187.53	200384.50	256037.24
2-21	99+45.62	59.09' LT	1187.55	200387.38	256039.77
2-22	99+52.42	66.65' LT	1187.59	200395.02	256046.48
2-23	99+67.08	82.93' LT	1187.84	200411.48	256060.94
2-24	20+10.17	34.99' LT	1188.06	200439.50	256085.55
2-25	20+16.75	32.52' LT	1188.10	200446.08	256088.04
* 2-26	20+40.60	32.52' LT	1188.22	200469.93	256088.10
* 2-27	20+40.60	22.52' LT	1188.07	200469.91	256098.09
2-28	20+16.75	22.52' LT	1187.95	200446.05	256098.04
2-29	20+03.59	27.46' LT	1187.88	200432.90	256093.07
2-30	99+74.51	76.24' LT	1187.69	200404.88	256068.45

72nd-NW

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2-31	99+72.78	65.54' LT	1187.63	200394.15	256066.86
2-32	99+81.82	59.55' LT	1187.03	200388.28	256075.97
2-33	99+81.70	49.55' LT	1186.90	200378.28	256075.97
2-34	99+71.88	52.27' LT	1187.19	200380.87	256066.12
2-35	99+64.67	59.46' LT	1187.48	200387.98	256058.82
2-36	99+62.39	60.94' LT	1187.46	200389.42	256056.52
2-37	99+59.85	59.96' LT	1187.44	200388.42	256053.99
2-38	99+53.05	52.40' LT	1187.39	200380.78	256047.29
2-39	99+51.66	50.60' LT	1187.38	200378.96	256045.92
2-40	99+49.38	44.65' LT	1187.35	200372.98	256043.70
2-41	99+49.20	42.37' LT	1187.34	200370.70	256043.56
2-42	99+49.20	31.02' LT	1187.52	200359.36	256043.70

PROJECT NO: 6999-09-72	HWY: STEWART AVE	COUNTY: MARATHON	CURB RAMP DETAILS	SHEET 42	E

LEGEND

XXXXXXX SAWCUT	SURFACE WATER FLOW
C1 CONCRETE CURB & GUTTER 30-INCH TYPE D	CURB RAMP DETECTABLE WARNING FIELD (YELLOW)
C2 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	CURB RAMP DETECTABLE WARNING FIELD RADIAL (YELLOW)
C3 CONCRETE CURB & GUTTER 18-INCH TYPE D	INLET AND MANHOLE WORK (SEE STORM SEWER PLAN FOR ADDITIONAL INFO)
S1 CONCRETE SIDEWALK 6-INCH	LL LEVEL LANDING
M1 HMA PAVEMENT MULTI-USE TRAIL (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)	

72nd-NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
3-1	100+62.04	61.55' LT	1186.88	200391.93	256154.94
3-2	100+64.03	57.65' LT	1186.83	200388.10	256157.06
3-3	100+70.68	47.41' LT	1186.69	200378.07	256164.03
3-4	100+75.41	41.79' LT	1186.60	200372.60	256168.93
3-5	100+77.24	43.49' LT	1187.02	200374.36	256170.71
3-6	100+73.95	47.30' LT	1186.58	200378.06	256167.30
3-7	100+66.95	57.55' LT	1186.73	200388.09	256159.98
3-8	100+64.31	62.63' LT	1187.12	200393.08	256157.18
3-9	100+78.32	57.15' LT	1186.79	200388.05	256171.35
3-10	100+77.97	47.16' LT	1186.64	200378.05	256171.32
3-11	100+85.32	55.62' LT	1186.72	200386.74	256178.40
3-12	101+37.65	33.77' LT	1187.71	200366.55	256231.40
3-13	101+34.19	24.38' LT	1187.59	200357.06	256228.23
3-14	100+81.47	46.39' LT	1186.68	200377.39	256174.84

N

STA 101+34.24
O/S 96.00' LT

STA 101+41.49
O/S 43.00' LT

STA 100+77.61
O/S 37.16' LT

100' INGRESS AND EGRESS EASEMENT

EXISTING PLE

R/W

R80'

R20'

R10'

10'

S 72ND AVE

STEWART AVE

6:1 NON-TRAVERSABLE FLARE

6:1 NON-TRAVERSABLE FLARE

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION

TYPE 4B1 MODIFIED CURB RAMP
DETECTABLE WARNING FIELD RADIAL REQ'D

RADIAL ATTRIBUTES
BACK OF CURB RADIUS = 77.5'
RADIAL LONG CHORD = 12.42 LF
LANDING 'XR' = 11.37 LF

6.8% 0.5% 1.0% 1.5% 0.4% 1.0% 1.1% 8.7% 1.7% 1.6% 1.3%

3-1 3-2 3-3 3-4 3-5 3-6 3-7 3-8 3-9 3-10 3-11 3-12 3-13 3-14

LL S1 M1 C1

100+50 101+00 101+50 102+00

NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE CONDITIONS OF THE STANDARD DETAIL DRAWINGS

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

THE MAXIMUM GRADE BREAK BETWEEN THE GUTTER PAN AND CURB RAMP SHALL BE 11%

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION

*MATCH EXISTING

PROJECT NO: 6999-09-72	HWY: STEWART AVE	COUNTY: MARATHON	CURB RAMP DETAILS	SHEET 43	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 03

PLOT DATE : 11/1/2023 6:17 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:10 FT

68th-NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
4-1	118+49.76	18.09' LT	1200.26	200364.46	257944.23
4-2	118+59.59	23.00' LT	1200.66	200369.49	257954.00
4-3	118+69.71	33.00' LT	1200.88	200379.61	257964.00
4-4	118+73.08	38.75' LT	1201.01	200385.41	257967.29
4-5	118+70.82	39.83' LT	1201.39	200386.46	257965.02
4-6	118+66.60	33.00' LT	1200.78	200379.58	257960.89
4-7	118+54.80	23.00' LT	1200.53	200369.43	257949.21
4-8	118+48.96	20.46' LT	1200.64	200366.82	257943.40
4-9	118+50.07	23.00' LT	1200.59	200369.37	257944.48
4-10	118+44.07	23.00' LT	1200.62	200369.30	257938.48
4-11	118+37.07	23.00' LT	1200.27	200369.21	257931.49
4-12	118+37.07	33.00' LT	1200.42	200379.21	257931.36
4-13	118+44.07	33.00' LT	1200.77	200379.30	257938.36
4-14	118+50.07	33.00' LT	1200.74	200379.37	257944.36

68th-NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
4-20	119+39.45	16.72' LT	1203.70	200364.19	258033.93
4-21	119+24.40	23.00' LT	1202.73	200370.29	258018.81
4-22	119+14.28	33.00' LT	1202.51	200380.16	258008.57
4-23	119+10.65	39.32' LT	1202.41	200386.43	258004.86
4-24	119+12.93	40.36' LT	1202.83	200387.50	258007.12
4-25	119+17.39	33.00' LT	1202.47	200380.20	258011.67
4-26	119+29.20	23.00' LT	1202.72	200370.35	258023.60
4-27	119+39.92	19.18' LT	1204.12	200366.65	258034.37
4-28	119+33.92	23.00' LT	1202.72	200370.40	258028.33
4-29	119+39.92	23.00' LT	1203.14	200370.48	258034.33
4-30	119+44.92	23.00' LT	1203.17	200370.54	258039.33
4-31	119+44.92	33.00' LT	1203.21	200380.54	258039.20
4-32	119+39.92	33.00' LT	1203.14	200380.48	258034.20
4-33	119+33.92	33.00' LT	1202.72	200380.40	258028.20

LEGEND

- XXXXXXX SAWCUT
- C1 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- C3 CONCRETE CURB & GUTTER 18-INCH TYPE D
- S1 CONCRETE SIDEWALK 6-INCH
- M1 HMA PAVEMENT MULTI-USE TRAIL (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
- SURFACE WATER FLOW
- CURB RAMP DETECTABLE WARNING FIELD (YELLOW)
- CURB RAMP DETECTABLE WARNING FIELD RADIAL (YELLOW)
- INLET AND MANHOLE WORK (SEE STORM SEWER PLAN FOR ADDITIONAL INFO)
- LL LEVEL LANDING

TYPE 4B1 MODIFIED CURB RAMP
DETECTABLE WARNING FIELD RADIAL REQ'D

RADIAL ATTRIBUTES
BACK OF CURB RADIUS = 37.5'
RADIAL LONG CHORD = 15.47 LF
LANDING 'XR' = 16.53 LF

NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE CONDITIONS OF THE STANDARD DETAIL DRAWINGS

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

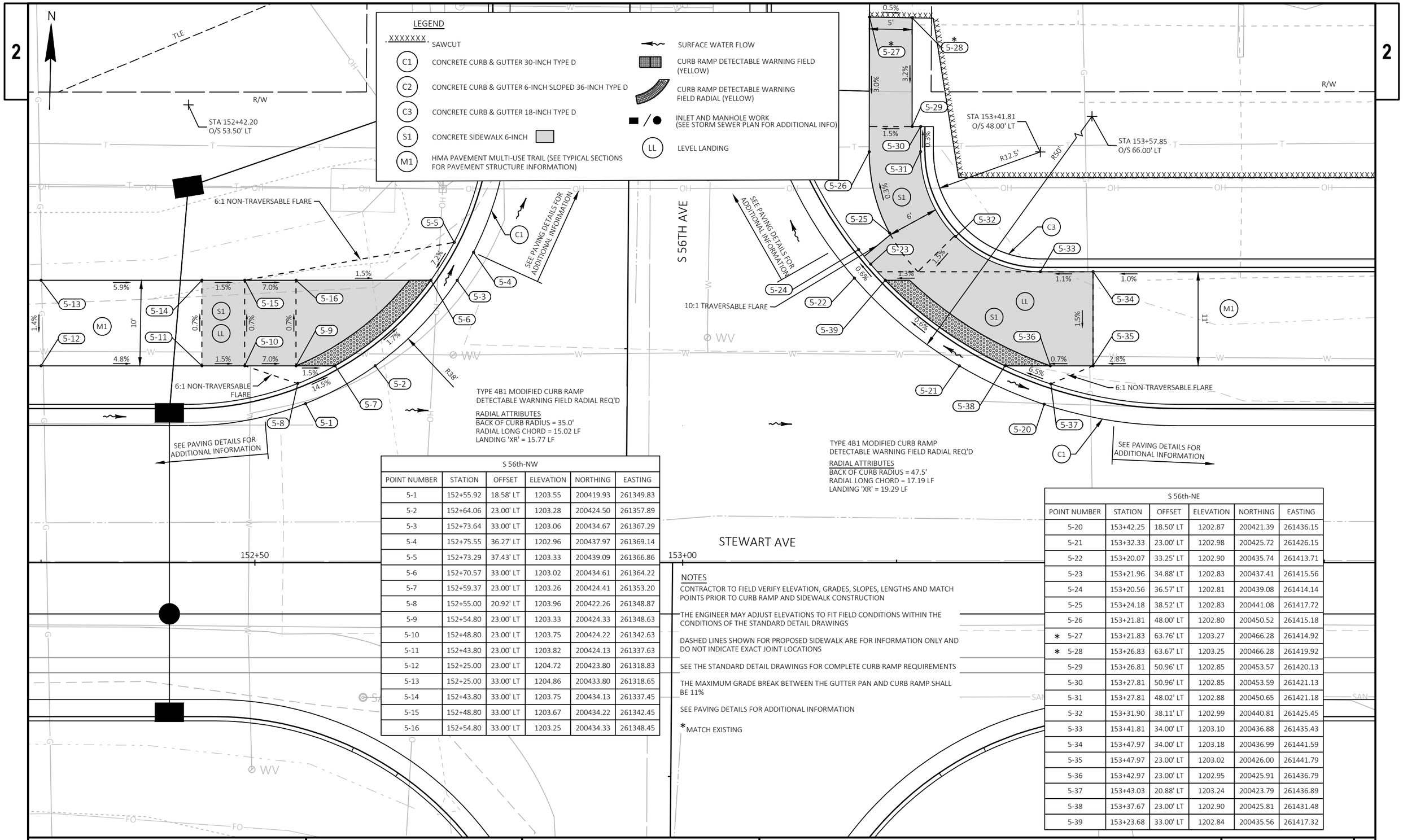
THE MAXIMUM GRADE BREAK BETWEEN THE GUTTER PAN AND CURB RAMP SHALL BE 11%

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION

*MATCH EXISTING

PROJECT NO: 6999-09-72	HWY: STEWART AVE	COUNTY: MARATHON	CURB RAMP DETAILS	SHEET 44	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 04
PLOT DATE : 11/1/2023 6:17 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:10 FT



S 56th-NW

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
5-1	152+55.92	18.58' LT	1203.55	200419.93	261349.83
5-2	152+64.06	23.00' LT	1203.28	200424.50	261357.89
5-3	152+73.64	33.00' LT	1203.06	200434.67	261367.29
5-4	152+75.55	36.27' LT	1202.96	200437.97	261369.14
5-5	152+73.29	37.43' LT	1203.33	200439.09	261366.86
5-6	152+70.57	33.00' LT	1203.02	200434.61	261364.22
5-7	152+59.37	23.00' LT	1203.26	200424.41	261353.20
5-8	152+55.00	20.92' LT	1203.96	200422.26	261348.87
5-9	152+54.80	23.00' LT	1203.33	200424.33	261348.63
5-10	152+48.80	23.00' LT	1203.75	200424.22	261342.63
5-11	152+43.80	23.00' LT	1203.82	200424.13	261337.63
5-12	152+25.00	23.00' LT	1204.72	200423.80	261318.83
5-13	152+25.00	33.00' LT	1204.86	200433.80	261318.65
5-14	152+43.80	33.00' LT	1203.75	200434.13	261337.45
5-15	152+48.80	33.00' LT	1203.67	200434.22	261342.45
5-16	152+54.80	33.00' LT	1203.25	200434.33	261348.45

S 56th-NE

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
5-20	153+42.25	18.50' LT	1202.87	200421.39	261436.15
5-21	153+32.33	23.00' LT	1202.98	200425.72	261426.15
5-22	153+20.07	33.25' LT	1202.90	200435.74	261413.71
5-23	153+21.96	34.88' LT	1202.83	200437.41	261415.56
5-24	153+20.56	36.57' LT	1202.81	200439.08	261414.14
5-25	153+24.18	38.52' LT	1202.83	200441.08	261417.72
5-26	153+21.81	48.00' LT	1202.80	200450.52	261415.18
* 5-27	153+21.83	63.76' LT	1203.27	200466.28	261414.92
* 5-28	153+26.83	63.67' LT	1203.25	200466.28	261419.92
5-29	153+26.81	50.96' LT	1202.85	200453.57	261420.13
5-30	153+27.81	50.96' LT	1202.85	200453.59	261421.13
5-31	153+27.81	48.02' LT	1202.88	200450.65	261421.18
5-32	153+31.90	38.11' LT	1202.99	200440.81	261425.45
5-33	153+41.81	34.00' LT	1203.10	200436.88	261435.43
5-34	153+47.97	34.00' LT	1203.18	200436.99	261441.59
5-35	153+47.97	23.00' LT	1203.02	200426.00	261441.79
5-36	153+42.97	23.00' LT	1202.95	200425.91	261436.79
5-37	153+43.03	20.88' LT	1203.24	200423.79	261436.89
5-38	153+37.67	23.00' LT	1202.90	200425.81	261431.48
5-39	153+23.68	33.00' LT	1202.84	200435.56	261417.32

NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE CONDITIONS OF THE STANDARD DETAIL DRAWINGS

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

THE MAXIMUM GRADE BREAK BETWEEN THE GUTTER PAN AND CURB RAMP SHALL BE 11%

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION

*MATCH EXISTING

PROJECT NO: 6999-09-72	HWY: STEWART AVE	COUNTY: MARATHON	CURB RAMP DETAILS	SHEET 45	E

S 48th-SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
6-30	176+35.42	24.19' RT	1178.66	200419.67	263729.71
6-31	176+40.17	24.73' RT	1178.64	200419.21	263734.47
6-32	176+50.17	27.07' RT	1178.58	200417.05	263744.51
6-33	176+75.54	42.20' RT	1178.18	200402.38	263770.14
6-34	176+76.35	43.00' RT	1178.17	200401.59	263770.97
6-35	176+74.23	45.13' RT	1178.43	200399.43	263768.89
6-36	176+71.18	42.28' RT	1178.22	200402.23	263765.79
6-37	176+56.04	32.54' RT	1178.45	200411.69	263750.48
6-38	176+50.17	30.23' RT	1178.52	200413.90	263744.57
6-39	176+40.17	27.77' RT	1178.57	200416.18	263734.53
6-40	176+35.19	27.18' RT	1178.92	200416.67	263729.54
6-41	176+40.17	32.23' RT	1178.62	200411.72	263734.61
6-42	176+40.17	42.82' RT	1178.56	200401.13	263734.80
6-43	176+50.35	42.64' RT	1178.46	200401.49	263744.96
6-44	176+50.17	32.64' RT	1178.52	200411.48	263744.61
6-45	176+52.31	30.99' RT	1178.61	200413.17	263746.72

S 48th-NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
6-1	176+34.68	35.26' LT	1178.76	200479.10	263727.91
6-2	176+40.19	35.29' LT	1178.73	200479.23	263733.41
6-3	176+50.18	35.34' LT	1178.67	200479.46	263743.41
6-4	176+55.00	35.34' LT	1178.65	200479.54	263748.23
6-5	176+55.00	37.87' LT	1179.07	200482.07	263748.18
6-6	176+50.17	37.84' LT	1178.64	200481.96	263743.35
6-7	176+40.17	37.79' LT	1178.67	200481.72	263733.36
6-8	176+34.67	37.76' LT	1179.17	200481.60	263727.86
6-9	176+40.17	44.64' LT	1179.07	200488.57	263733.23
6-10	176+35.16	49.64' LT	1179.52	200493.48	263728.13
6-11	176+30.17	49.62' LT	1179.68	200493.38	263723.15
6-12	176+30.17	59.62' LT	1179.83	200503.38	263722.97
6-13	176+40.14	59.66' LT	1179.51	200503.59	263732.93
6-14	176+50.14	59.69' LT	1179.37	200503.80	263742.93
* 6-15	176+90.53	59.79' LT	1178.65	200504.67	263783.05
* 6-16	176+90.54	54.86' LT	1178.73	200499.74	263783.17
6-17	176+54.48	50.26' LT	1179.17	200494.45	263747.44
6-18	176+50.17	45.30' LT	1179.00	200489.42	263743.22
6-19	176+50.17	49.69' LT	1179.22	200493.80	263743.14
6-20	176+40.17	49.66' LT	1179.36	200493.59	263733.14

6:1 NON-TRAVERSABLE FLARE
SEE PAVING DETAILS FOR ADDITIONAL INFORMATION
6-40
6-30
6-31
6-39
6-38
6-32
6-45
6-42
6-41
6-44
6-43
S1
LL
1.0%
0.6%
1.2%
8.6%
0.8%
0.6%
0.0%
3.5%
1.5%
5.4%
2" CURB HEIGHT
6-37
6:1 NON-TRAVERSABLE FLARE
1.2%
STA 176+30.43
O/S 89.00' RT
6-35
6-36
6-33
6-34
5.4%
1.5%
R65'
C2
SEE PAVING DETAILS FOR ADDITIONAL INFORMATION
S 48TH AVE
STEWART AVE
176+50
TYPE 2 MODIFIED CURB RAMP
DETECTABLE WARNING FIELD RADIAL REQ'D
RADIAL ATTRIBUTES
BACK OF CURB RADIUS = 62.0'
RADIAL LONG CHORD = 18.0 LF
LANDING 'XR' = 20.03 LF
SEE PAVING DETAILS FOR ADDITIONAL INFORMATION
C1
M1
6-8
6-11
10'
1.5%
STA 176+35.17
O/S 44.64' LT
R5'
6-12
3.3%
6-10
6-1
6-7
9.2%
6:1 NON-TRAVERSABLE FLARE
6-2
5.8%
6-9
TYPE 3 MODIFIED CURB RAMP
DETECTABLE WARNING FIELD REQ'D
0.3%
10'
S1
1.4%
6-13
6-20
LL
6-3
6-18
6-19
4.9%
1.5%
10.0%
6-6
6-14
R5'
6-4
6-17
6-5
STA 176+55.17
O/S 45.30' LT
6:1 NON-TRAVERSABLE FLARE
R/W
PROPOSED R/W
TLE
N
S1
1.2%
1.8%
PROPOSED R/W
1.7%
XXXXXXX
6-16
6-15
5'
TLE
R/W

NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE CONDITIONS OF THE STANDARD DETAIL DRAWINGS

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

THE MAXIMUM GRADE BREAK BETWEEN THE GUTTER PAN AND CURB RAMP SHALL BE 11%

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION

*MATCH EXISTING

LEGEND

.XXXXXXX. SAWCUT
C1 CONCRETE CURB & GUTTER 30-INCH TYPE D
C2 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
C3 CONCRETE CURB & GUTTER 18-INCH TYPE D
S1 CONCRETE SIDEWALK 6-INCH
M1 HMA PAVEMENT MULTI-USE TRAIL (SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION)
SURFACE WATER FLOW
CURB RAMP DETECTABLE WARNING FIELD (YELLOW)
CURB RAMP DETECTABLE WARNING FIELD RADIAL (YELLOW)
INLET AND MANHOLE WORK (SEE STORM SEWER PLAN FOR ADDITIONAL INFO)
LL LEVEL LANDING

PROJECT NO: 6999-09-72	HWY: STEWART AVE	COUNTY: MARATHON	CURB RAMP DETAILS	SHEET 46	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 06
PLOT DATE : 11/1/2023 6:17 AM
PLOT BY : JESSICA SPLITTGERBER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

LEGEND

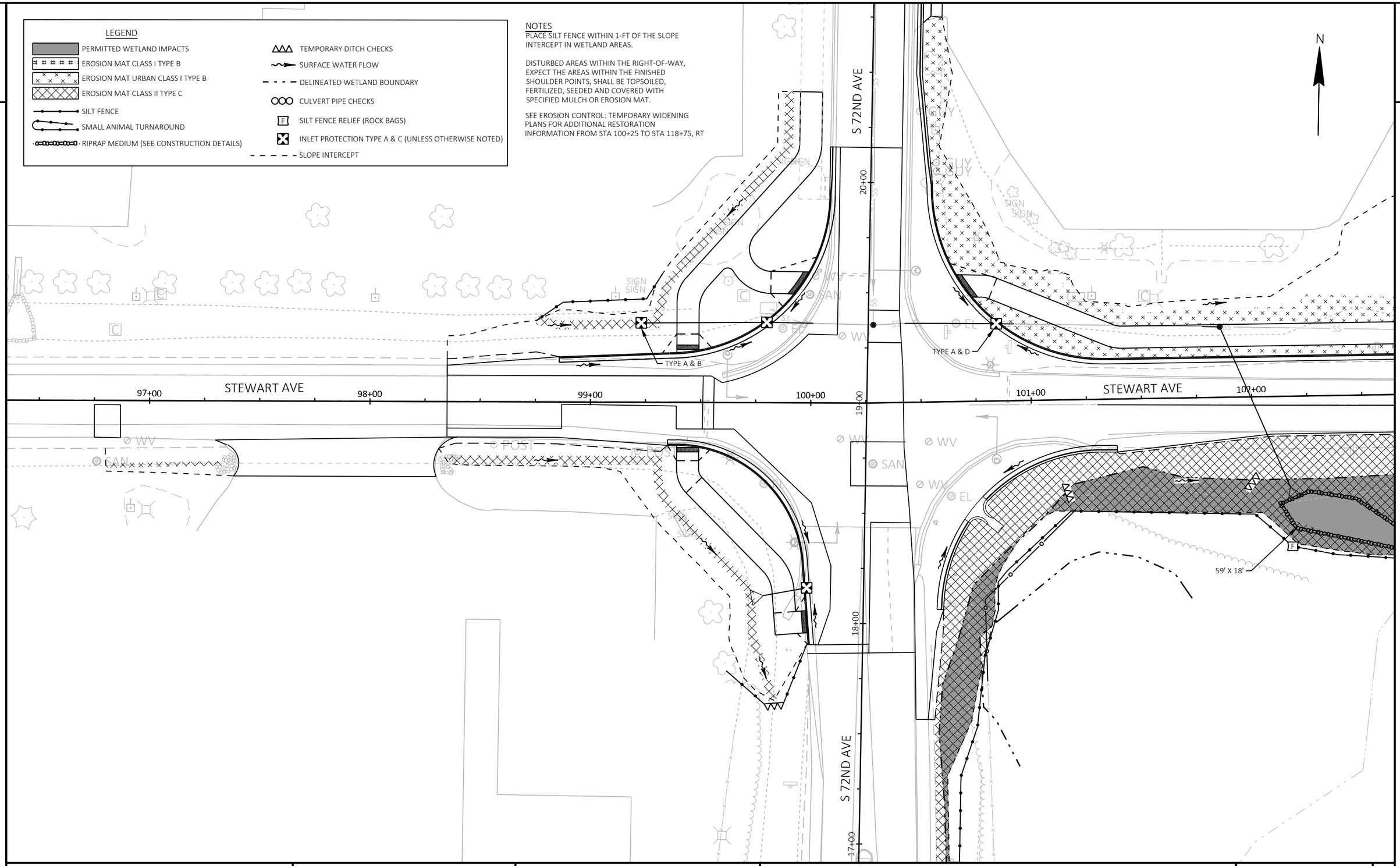
- PERMITTED WETLAND IMPACTS
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SMALL ANIMAL TURNAROUND
- RIPRAP MEDIUM (SEE CONSTRUCTION DETAILS)
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF (ROCK BAGS)
- INLET PROTECTION TYPE A & C (UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT

NOTES

PLACE SILT FENCE WITHIN 1-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXPECT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND COVERED WITH SPECIFIED MULCH OR EROSION MAT.

SEE EROSION CONTROL: TEMPORARY WIDENING PLANS FOR ADDITIONAL RESTORATION INFORMATION FROM STA 100+25 TO STA 118+75, RT



2

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	EROSION CONTROL	SHEET 47	E

2

LEGEND

- PERMITTED WETLAND IMPACTS
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SMALL ANIMAL TURNAROUND
- RIPRAP MEDIUM (SEE CONSTRUCTION DETAILS)
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF (ROCK BAGS)
- INLET PROTECTION TYPE A & C (UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT

NOTES

PLACE SILT FENCE WITHIN 1-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXPECT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND COVERED WITH SPECIFIED MULCH OR EROSION MAT.

ADDITIONAL EROSION CONTROL DEVICES ARE PLACED DURING THE TEMPORARY WIDENING THAT WILL REMAIN THROUGH THE END OF THE PROJECT.

N

EROSION CONTROL ITEMS PLACED DURING THE TEMPORARY WIDENING STAGE ARE TO REMAIN THROUGHOUT THE DURATION OF THE PROJECT.

EROSION CONTROL ITEMS PLACED DURING THE TEMPORARY WIDENING STAGE ARE TO REMAIN THROUGHOUT THE DURATION OF THE PROJECT.

38' X 15'

TYPE A & B

TYPE A & D

103+00 104+00 105+00 STEWART AVE 106+00 107+00 108+00

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	EROSION CONTROL	SHEET 48	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 02

PLOT DATE : 10/19/2023 2:47 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- PERMITTED WETLAND IMPACTS
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SMALL ANIMAL TURNAROUND
- RIPRAP MEDIUM (SEE CONSTRUCTION DETAILS)
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF (ROCK BAGS)
- INLET PROTECTION TYPE A & C (UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT

NOTES

PLACE SILT FENCE WITHIN 1-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXPECT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND COVERED WITH SPECIFIED MULCH OR EROSION MAT.

ADDITIONAL EROSION CONTROL DEVICES ARE PLACED DURING THE TEMPORARY WIDENING THAT WILL REMAIN THROUGH THE END OF THE PROJECT.

N

EROSION CONTROL ITEMS PLACED DURING THE TEMPORARY WIDENING STAGE ARE TO REMAIN THROUGHOUT THE DURATION OF THE PROJECT.

TYPE A & B

STEWART AVE

109+00 110+00 111+00 112+00 113+00 114+00

2

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	EROSION CONTROL	SHEET 49	E

LEGEND

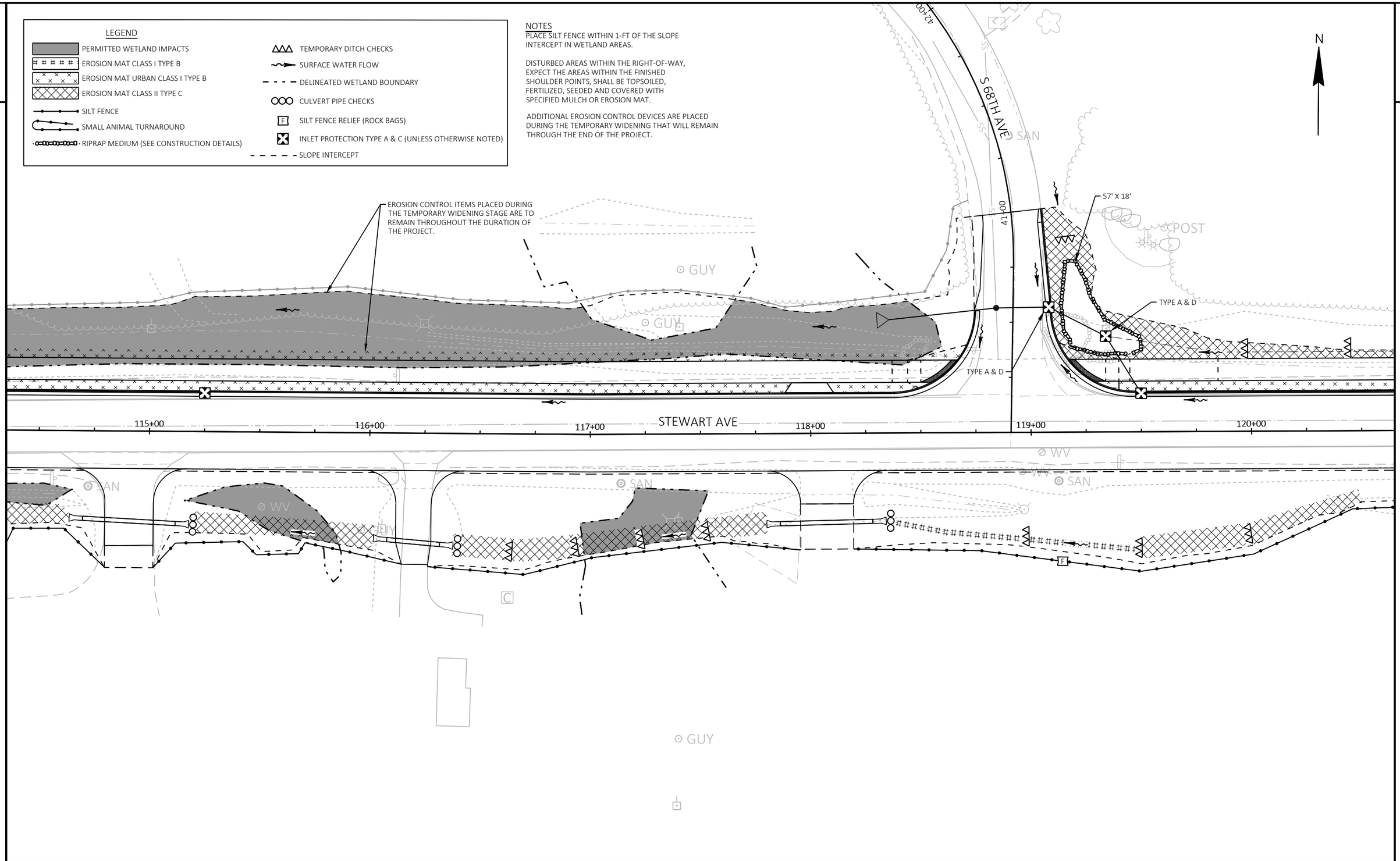
- PERMITTED WETLAND IMPACTS
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SMALL ANIMAL TURNAROUND
- RIPRAP MEDIUM (SEE CONSTRUCTION DETAILS)
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF (ROCK BAGS)
- INLET PROTECTION TYPE A & C (UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT

NOTES

PLACE SILT FENCE WITHIN 1-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXPECT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND COVERED WITH SPECIFIED MULCH OR EROSION MAT.

ADDITIONAL EROSION CONTROL DEVICES ARE PLACED DURING THE TEMPORARY WIDENING THAT WILL REMAIN THROUGH THE END OF THE PROJECT.



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	EROSION CONTROL	SHEET 50	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 04

PLOT DATE : 10/19/2023 2:47 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- PERMITTED WETLAND IMPACTS
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SMALL ANIMAL TURNAROUND
- RIPRAP MEDIUM (SEE CONSTRUCTION DETAILS)
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF (ROCK BAGS)
- INLET PROTECTION TYPE A & C (UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT

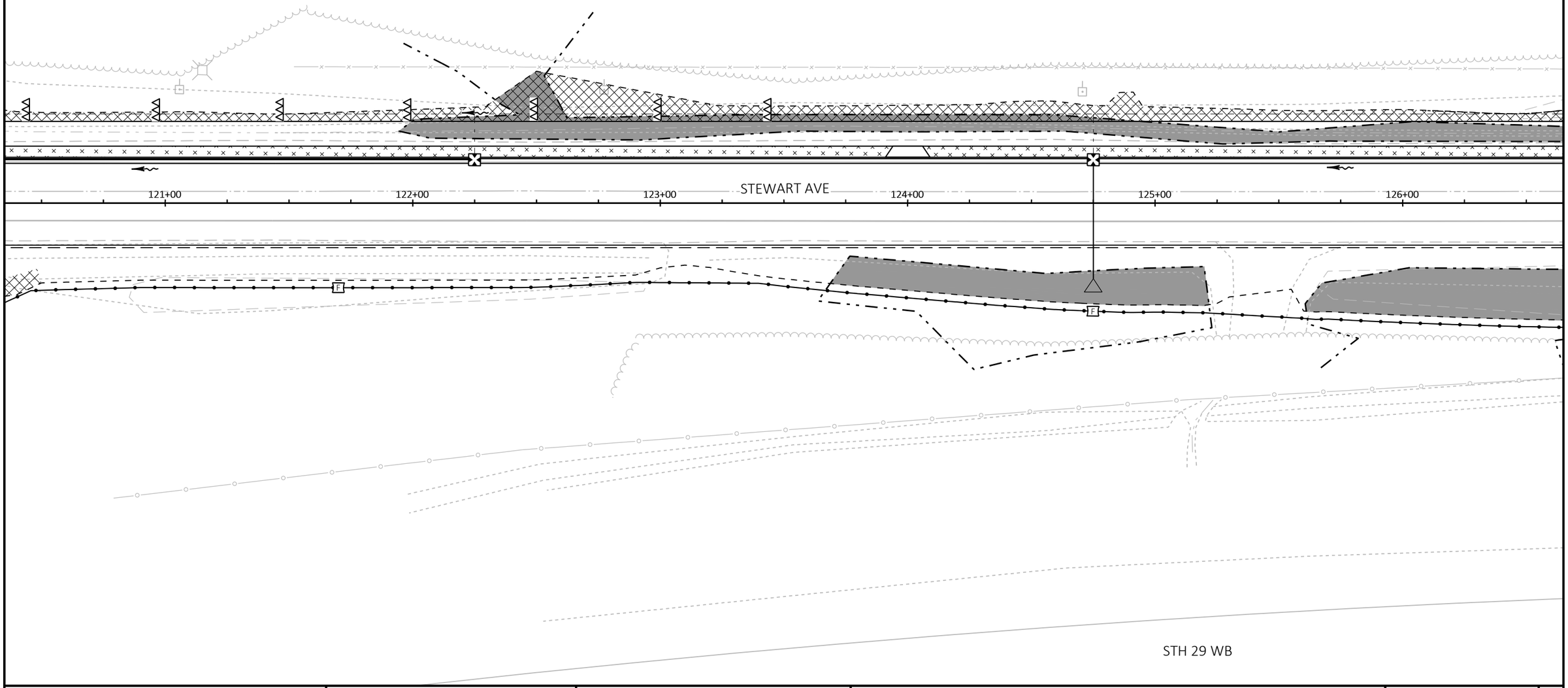
NOTES

PLACE SILT FENCE WITHIN 1-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXPECT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND COVERED WITH SPECIFIED MULCH OR EROSION MAT.

N

2



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	EROSION CONTROL	SHEET 51	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 05

PLOT DATE : 10/19/2023 2:47 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

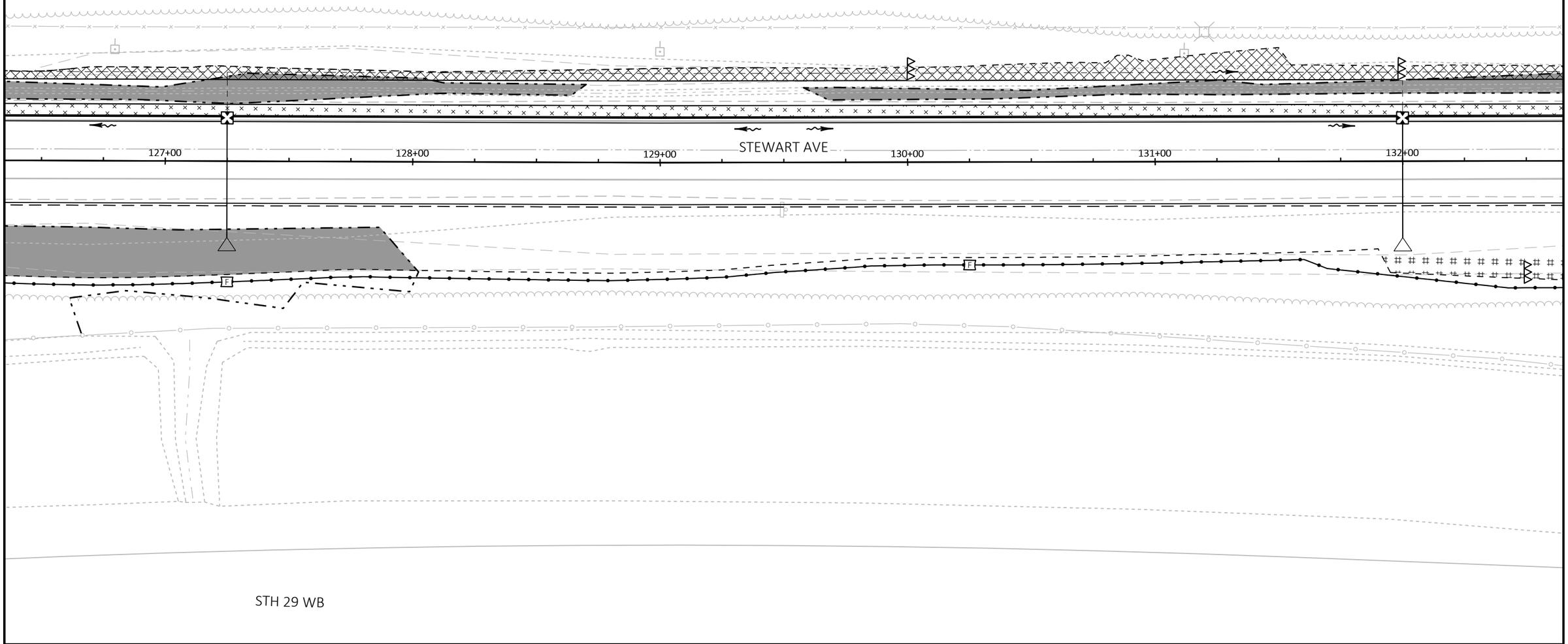
- PERMITTED WETLAND IMPACTS
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SMALL ANIMAL TURNAROUND
- RIPRAP MEDIUM (SEE CONSTRUCTION DETAILS)
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF (ROCK BAGS)
- INLET PROTECTION TYPE A & C (UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT

NOTES

PLACE SILT FENCE WITHIN 1-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXPECT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND COVERED WITH SPECIFIED MULCH OR EROSION MAT.

N



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	EROSION CONTROL	SHEET 52	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 06

PLOT DATE : 10/19/2023 2:47 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

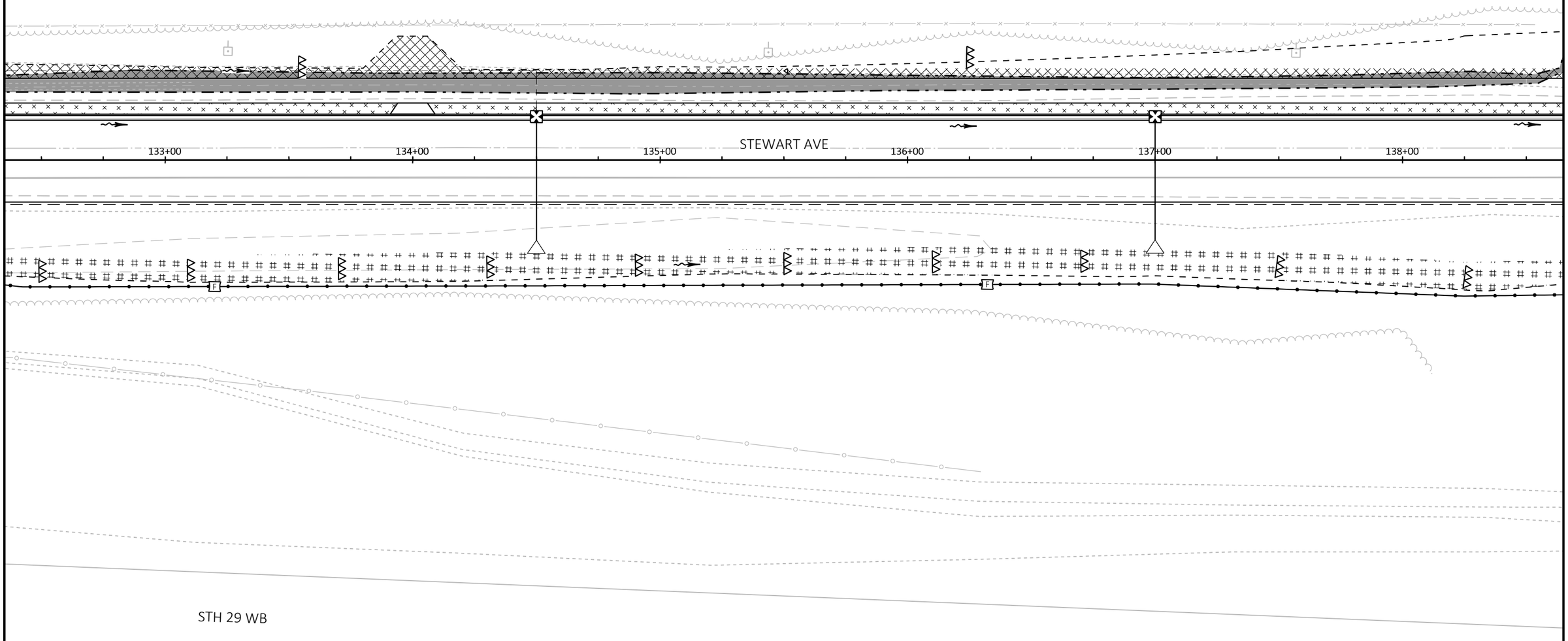
- PERMITTED WETLAND IMPACTS
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SMALL ANIMAL TURNAROUND
- RIPRAP MEDIUM (SEE CONSTRUCTION DETAILS)
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF (ROCK BAGS)
- INLET PROTECTION TYPE A & C (UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT

NOTES

PLACE SILT FENCE WITHIN 1-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXPECT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND COVERED WITH SPECIFIED MULCH OR EROSION MAT.

N



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	EROSION CONTROL	SHEET 53	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 07

PLOT DATE : 10/19/2023 2:47 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- PERMITTED WETLAND IMPACTS
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SMALL ANIMAL TURNAROUND
- RIPRAP MEDIUM (SEE CONSTRUCTION DETAILS)
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF (ROCK BAGS)
- INLET PROTECTION TYPE A & C (UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT

NOTES

PLACE SILT FENCE WITHIN 1-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXPECT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND COVERED WITH SPECIFIED MULCH OR EROSION MAT.

N

2

UNNAMED OPEN WATER

F

TYPE A & D

139+00 140+00 141+00 142+00 143+00 STEWART AVE 144+00

POST

10' X 5'

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	EROSION CONTROL	SHEET 54	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 08

PLOT DATE : 10/19/2023 2:48 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

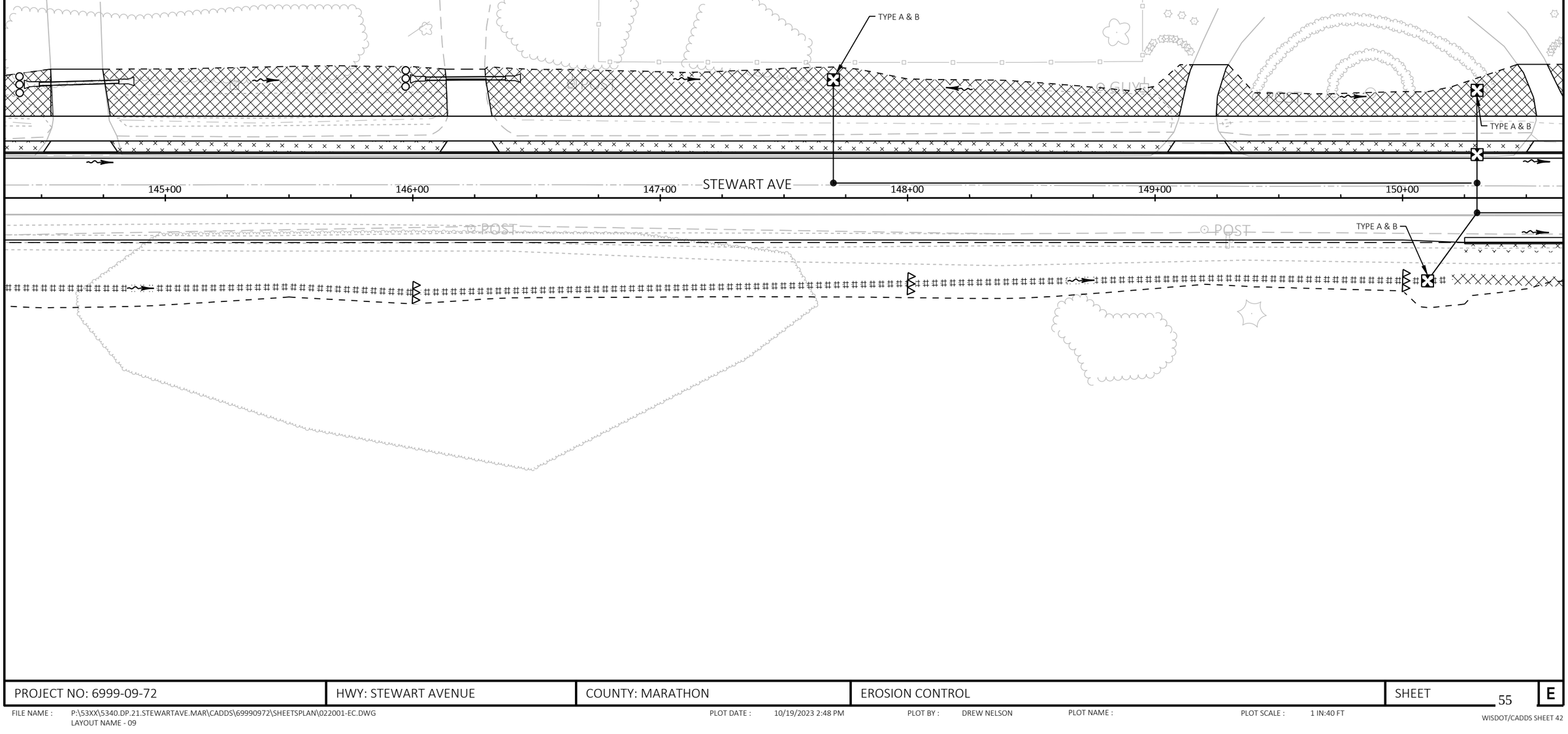
- PERMITTED WETLAND IMPACTS
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SMALL ANIMAL TURNAROUND
- RIPRAP MEDIUM (SEE CONSTRUCTION DETAILS)
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF (ROCK BAGS)
- INLET PROTECTION TYPE A & C (UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT

NOTES

PLACE SILT FENCE WITHIN 1-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXPECT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND COVERED WITH SPECIFIED MULCH OR EROSION MAT.

N



2

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	EROSION CONTROL	SHEET 55	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 09

PLOT DATE : 10/19/2023 2:48 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- PERMITTED WETLAND IMPACTS
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SMALL ANIMAL TURNAROUND
- RIPRAP MEDIUM (SEE CONSTRUCTION DETAILS)
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF (ROCK BAGS)
- INLET PROTECTION TYPE A & C (UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT

NOTES

PLACE SILT FENCE WITHIN 1-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXPECT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND COVERED WITH SPECIFIED MULCH OR EROSION MAT.

N

S 56TH AVE

61+00

TYPE A & D

TYPE A & D

STEWART AVE

151+00 152+00 153+00 154+00 155+00 156+00

S 56TH AVE

59+00

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	EROSION CONTROL	SHEET 56	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 10

PLOT DATE : 10/19/2023 2:48 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- PERMITTED WETLAND IMPACTS
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SMALL ANIMAL TURNAROUND
- RIPRAP MEDIUM (SEE CONSTRUCTION DETAILS)
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF (ROCK BAGS)
- INLET PROTECTION TYPE A & C (UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT

NOTES

PLACE SILT FENCE WITHIN 1-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXPECT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND COVERED WITH SPECIFIED MULCH OR EROSION MAT.

N

2

SS

SIGN

SIGN

GUY

TYPE A & D

STEWART AVE

157+00 158+00 159+00 160+00 161+00 162+00

SAN

SAN

WV

WV

GUY

SEPV

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	EROSION CONTROL	SHEET 57	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 11

PLOT DATE : 10/19/2023 2:48 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- PERMITTED WETLAND IMPACTS
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SMALL ANIMAL TURNAROUND
- RIPRAP MEDIUM (SEE CONSTRUCTION DETAILS)
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF (ROCK BAGS)
- INLET PROTECTION TYPE A & C (UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT

NOTES

PLACE SILT FENCE WITHIN 1-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXPECT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND COVERED WITH SPECIFIED MULCH OR EROSION MAT.

N

2

TYPE A & B

STEWART AVE

163+00 164+00 165+00 166+00 167+00 168+00

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	EROSION CONTROL	SHEET 58	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 12

PLOT DATE : 10/19/2023 2:48 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

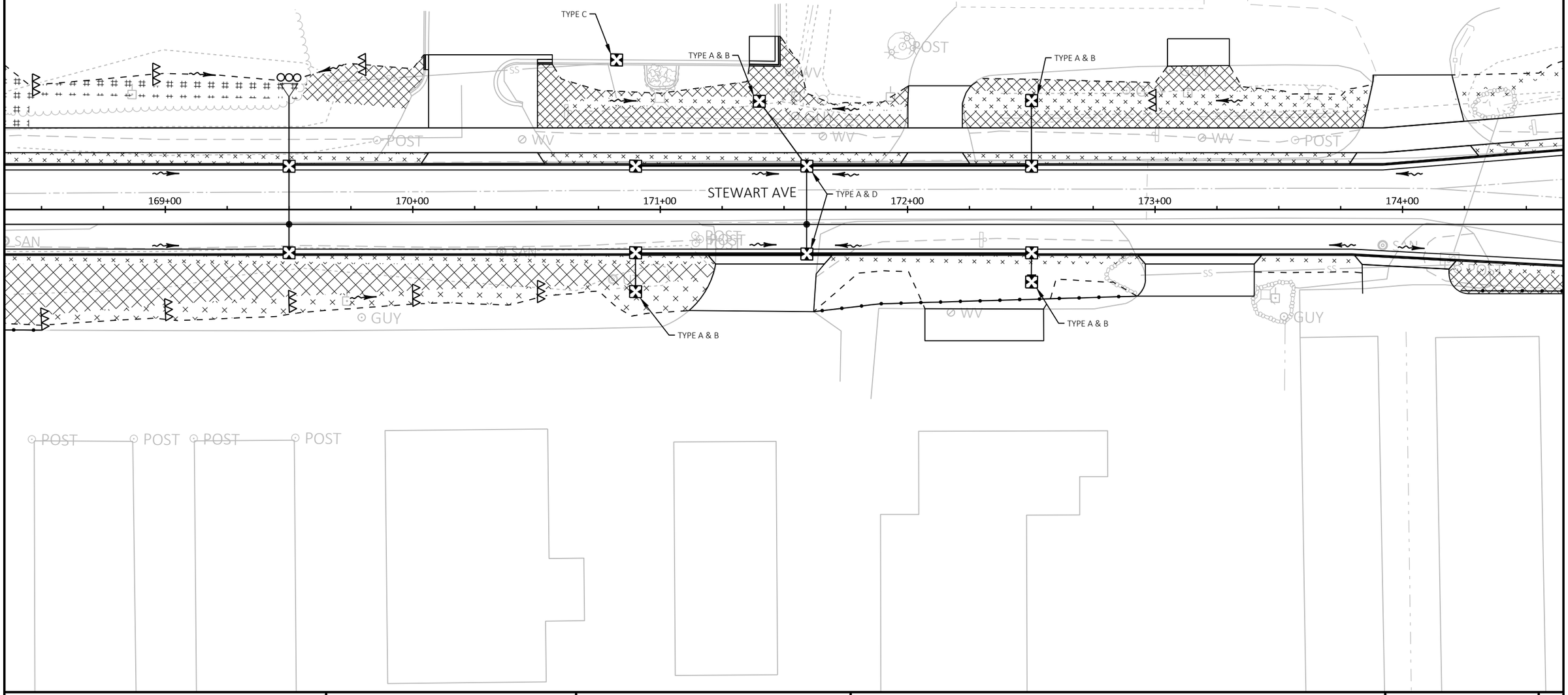
- PERMITTED WETLAND IMPACTS
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SMALL ANIMAL TURNAROUND
- RIPRAP MEDIUM (SEE CONSTRUCTION DETAILS)
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF (ROCK BAGS)
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- SLOPE INTERCEPT

NOTES

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DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXPECT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND COVERED WITH SPECIFIED MULCH OR EROSION MAT.

N



2

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	EROSION CONTROL	SHEET 59	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 13

PLOT DATE : 10/19/2023 2:48 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- PERMITTED WETLAND IMPACTS
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SMALL ANIMAL TURNAROUND
- RIPRAP MEDIUM (SEE CONSTRUCTION DETAILS)
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF (ROCK BAGS)
- INLET PROTECTION TYPE A & C (UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT

NOTES

PLACE SILT FENCE WITHIN 1-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXPECT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND COVERED WITH SPECIFIED MULCH OR EROSION MAT.

TYPE A & D

TYPE A & D

175+00

176+00

177+00

STEWART AVE

178+00

179+00

180+00

79+00

S 48TH AVE

78+00

12' X 12'

6' X 21'

ROBERTA LN

N

2

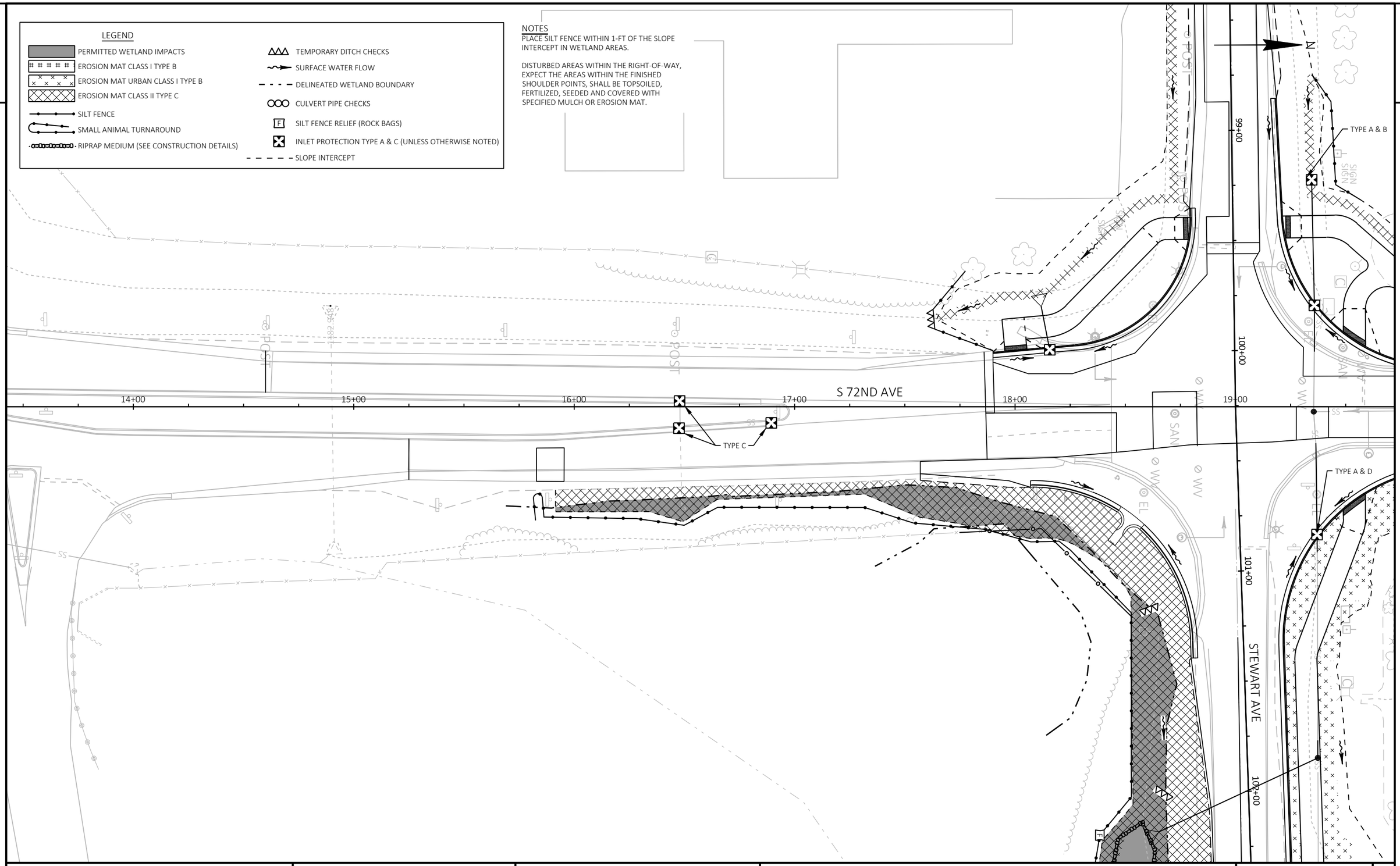
LEGEND

- PERMITTED WETLAND IMPACTS
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SMALL ANIMAL TURNAROUND
- RIPRAP MEDIUM (SEE CONSTRUCTION DETAILS)
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF (ROCK BAGS)
- INLET PROTECTION TYPE A & C (UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT

NOTES

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2

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	EROSION CONTROL - S 72ND AVE	SHEET 61	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 15 (2)

PLOT DATE : 10/19/2023 2:48 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- PERMITTED WETLAND IMPACTS
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SMALL ANIMAL TURNAROUND
- RIPRAP MEDIUM (SEE CONSTRUCTION DETAILS)
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF (ROCK BAGS)
- INLET PROTECTION TYPE A & C (UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT

NOTES

PLACE SILT FENCE WITHIN 1-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXPECT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND COVERED WITH SPECIFIED MULCH OR EROSION MAT.

N

TYPE A & B

TYPE C

TYPE C

TYPE C

TYPE A & D

99+00

100+00

101+00

102+00

18+00

19+00

20+00

21+00

22+00

23+00

24+00

S 72ND AVE

S 72ND AVE

STEWART AVE

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	EROSION CONTROL - S 72ND AVE	SHEET 62	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 15

PLOT DATE : 10/19/2023 2:48 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

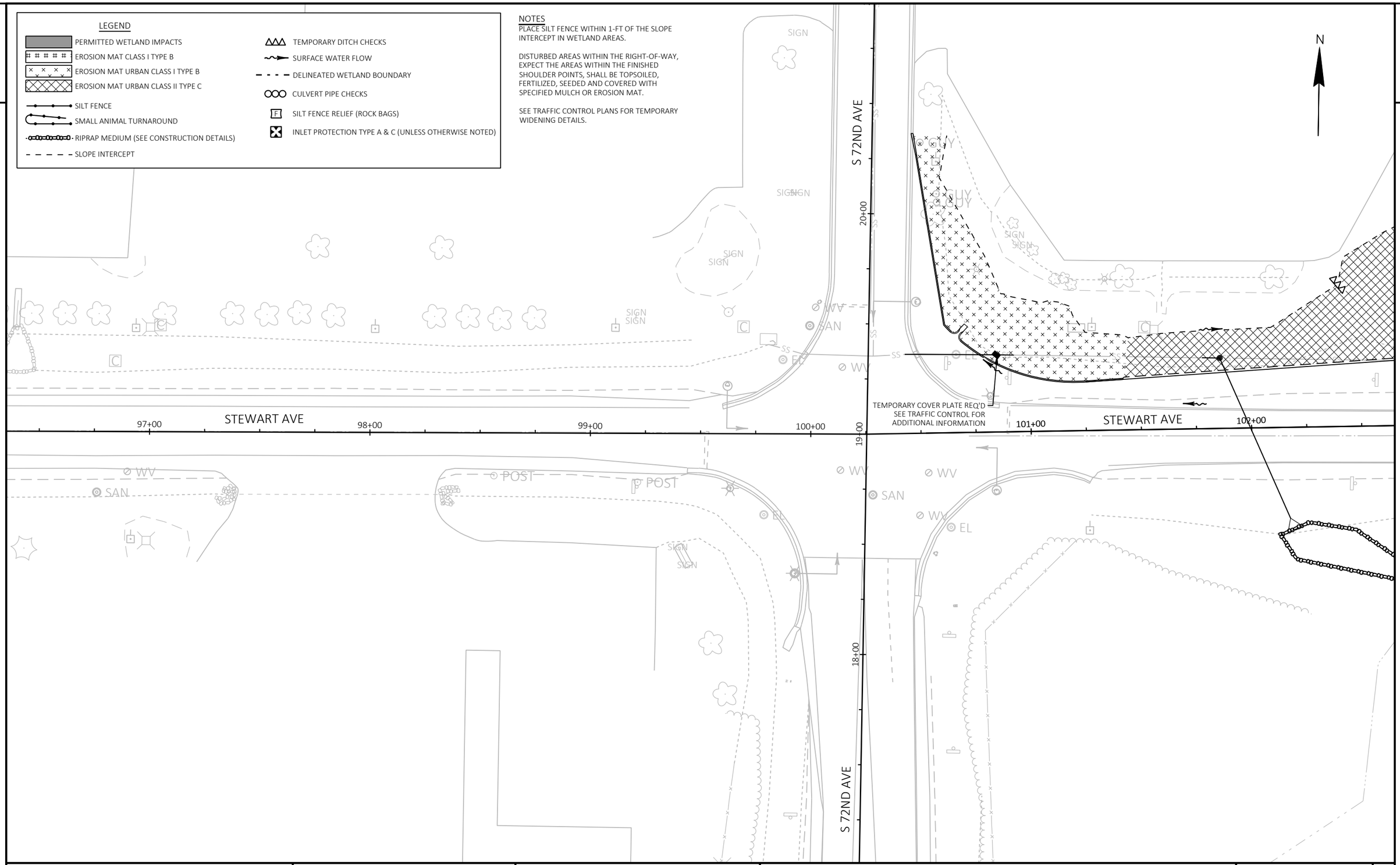
- PERMITTED WETLAND IMPACTS
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT URBAN CLASS II TYPE C
- SILT FENCE
- SMALL ANIMAL TURNAROUND
- RIPRAP MEDIUM (SEE CONSTRUCTION DETAILS)
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF (ROCK BAGS)
- INLET PROTECTION TYPE A & C (UNLESS OTHERWISE NOTED)

NOTES

PLACE SILT FENCE WITHIN 1-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXPECT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND COVERED WITH SPECIFIED MULCH OR EROSION MAT.

SEE TRAFFIC CONTROL PLANS FOR TEMPORARY WIDENING DETAILS.



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	EROSION CONTROL: TEMPORARY WIDENING	SHEET 63	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022002-EC.DWG
LAYOUT NAME - 01

PLOT DATE : 10/19/2023 2:57 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- PERMITTED WETLAND IMPACTS
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT URBAN CLASS II TYPE C
- SILT FENCE
- SMALL ANIMAL TURNAROUND
- RIPRAP MEDIUM (SEE CONSTRUCTION DETAILS)
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF (ROCK BAGS)
- INLET PROTECTION TYPE A & C (UNLESS OTHERWISE NOTED)

NOTES

PLACE SILT FENCE WITHIN 1-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXPECT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND COVERED WITH SPECIFIED MULCH OR EROSION MAT.

SEE TRAFFIC CONTROL PLANS FOR TEMPORARY WIDENING DETAILS.

N

2

GUY
SIGN
VLV
TYPE A & B
TEMPORARY COVER PLATE REQ'D
103+00
104+00
105+00
STEWART AVE
106+00
107+00
108+00
WV
SAN
POST
SS
VENT
UT

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	EROSION CONTROL: TEMPORARY WIDENING	SHEET 64	E

2

LEGEND

- PERMITTED WETLAND IMPACTS
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT URBAN CLASS II TYPE C
- SILT FENCE
- SMALL ANIMAL TURNAROUND
- RIPRAP MEDIUM (SEE CONSTRUCTION DETAILS)
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF (ROCK BAGS)
- INLET PROTECTION TYPE A & C (UNLESS OTHERWISE NOTED)

NOTES

PLACE SILT FENCE WITHIN 1-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXPECT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND COVERED WITH SPECIFIED MULCH OR EROSION MAT.

SEE TRAFFIC CONTROL PLANS FOR TEMPORARY WIDENING DETAILS.

N

2

TYPE A & B

TYPE A & B

TEMPORARY COVER PLATE REQ'D

TEMPORARY COVER PLATE REQ'D

TEMPORARY COVER PLATE REQ'D

STEWART AVE

109+00 110+00 111+00 112+00 113+00 114+00

POST GUY WV SAN SS UT

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	EROSION CONTROL: TEMPORARY WIDENING	SHEET 65	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022002-EC.DWG
LAYOUT NAME - 03

PLOT DATE : 10/19/2023 2:57 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

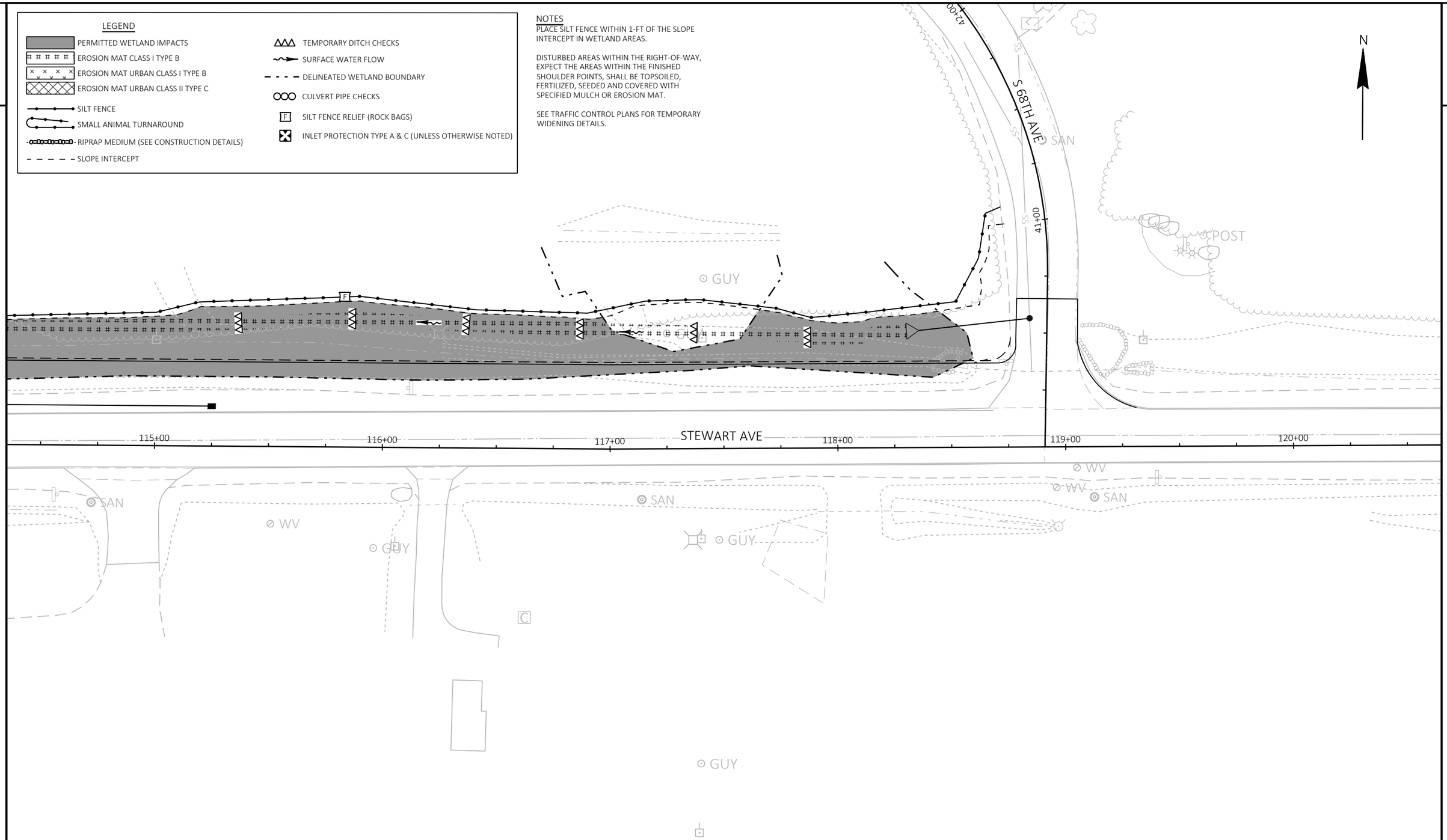
- PERMITTED WETLAND IMPACTS
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT URBAN CLASS II TYPE C
- SILT FENCE
- SMALL ANIMAL TURNAROUND
- RIPRAP MEDIUM (SEE CONSTRUCTION DETAILS)
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF (ROCK BAGS)
- INLET PROTECTION TYPE A & C (UNLESS OTHERWISE NOTED)

NOTES

PLACE SILT FENCE WITHIN 1-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXPECT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND COVERED WITH SPECIFIED MULCH OR EROSION MAT.

SEE TRAFFIC CONTROL PLANS FOR TEMPORARY WIDENING DETAILS.



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	EROSION CONTROL: TEMPORARY WIDENING	SHEET 66	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022002-EC.DWG
LAYOUT NAME - 04

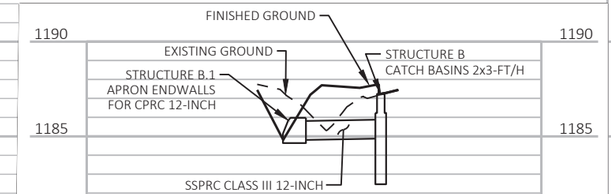
PLOT DATE : 10/19/2023 2:57 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

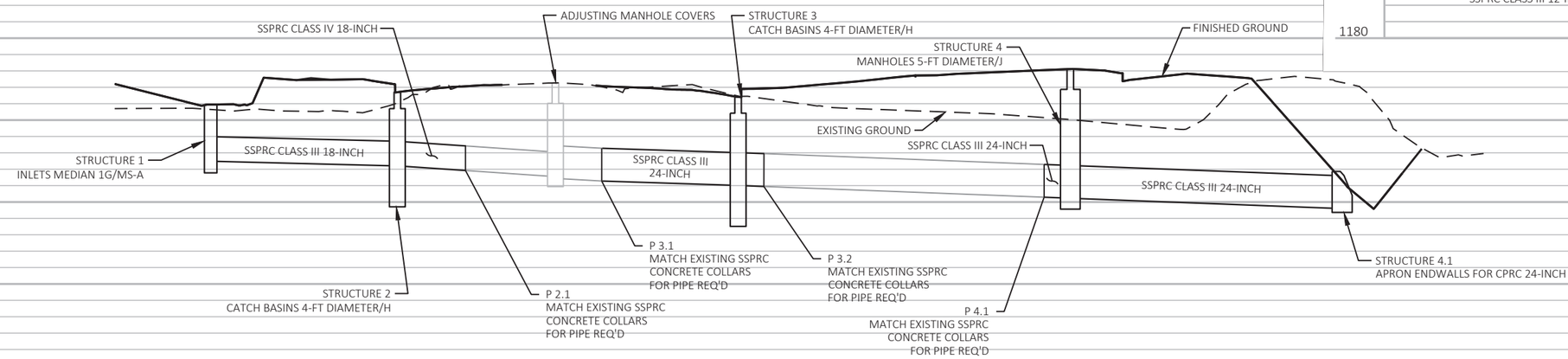
LEGEND
- INLETS/CATCH BASINS (SEE SCHEDULE FOR DETAILS)
- MANHOLE (SEE SCHEDULE FOR DETAILS)
- APRON ENDWALL (SEE SCHEDULE FOR DETAILS)
- STORM SEWER PIPE
- SURFACE WATER FLOW

REMOVING STORM SEWER (18-INCH)
REMOVING INLETS
STRUCTURE 1
INLETS MEDIAN 1G/MS-A
STA 99+23.00
O/S 36.00', LT
STRUCTURE 2
CATCH BASINS 4-FT DIAMETER/H
STA 99+79.99
O/S 36.41', LT
STEWART AVE
S 72ND AVE
CAUTION
REMOVING INLETS
REMOVING STORM SEWER (24-INCH)
STRUCTURE 3
CATCH BASINS 4-FT DIAMETER/H
STA 100+84.67
O/S 35.02', LT
P 3.2
MATCH EXISTING SSPRC
CONCRETE COLLARS FOR
PIPE REQ'D
P 2.1
MATCH EXISTING SSPRC
CONCRETE COLLARS FOR
PIPE REQ'D
P 3.1
MATCH EXISTING SSPRC
CONCRETE COLLARS FOR
PIPE REQ'D
WAUSAU WATER WORKS
(PROPOSED SANITARY SEWER)
STRUCTURE B
CATCH BASINS 2x3-FT/H
STA 99+98.13
O/S 83.94', RT
100' INGRESS
AND EGRESS
EASEMENT
EXISTING PLE
PROPOSED R/W
UNNAMED
STREAM
C-37-0090
BOX CULVERT EXTENSION
(SEE CONSTRUCTION DETAILS)
STRUCTURE 4
MANHOLES 5-FT DIAMETER/J
STA 101+86.00
O/S 31.94', LT
REMOVING STORM SEWER (24-INCH)
P 4.1
MATCH EXISTING SSPRC
CONCRETE COLLARS FOR
PIPE REQ'D
WAUSAU WATER WORKS
(PROPOSED SANITARY SEWER FORCEMAIN)
STRUCTURE 4.1
APRON ENDWALLS FOR CPRC 24-INCH
STA 102+17.04
O/S 41.24', RT
STRUCTURE B-1
APRON ENDWALLS FOR CPRC 12-INCH
STA 99+78.70
O/S 87.48', RT
PROPOSED R/W
R/W
TLE
99+00
100+00
101+00
102+00
103+00
104+00
GUY
VENT
UT

NOTE
ALL RURAL CULVERT REMOVALS AND RURAL CULVERT INSTALLATIONS ARE SHOWN ON THE STORM SEWER SHEETS

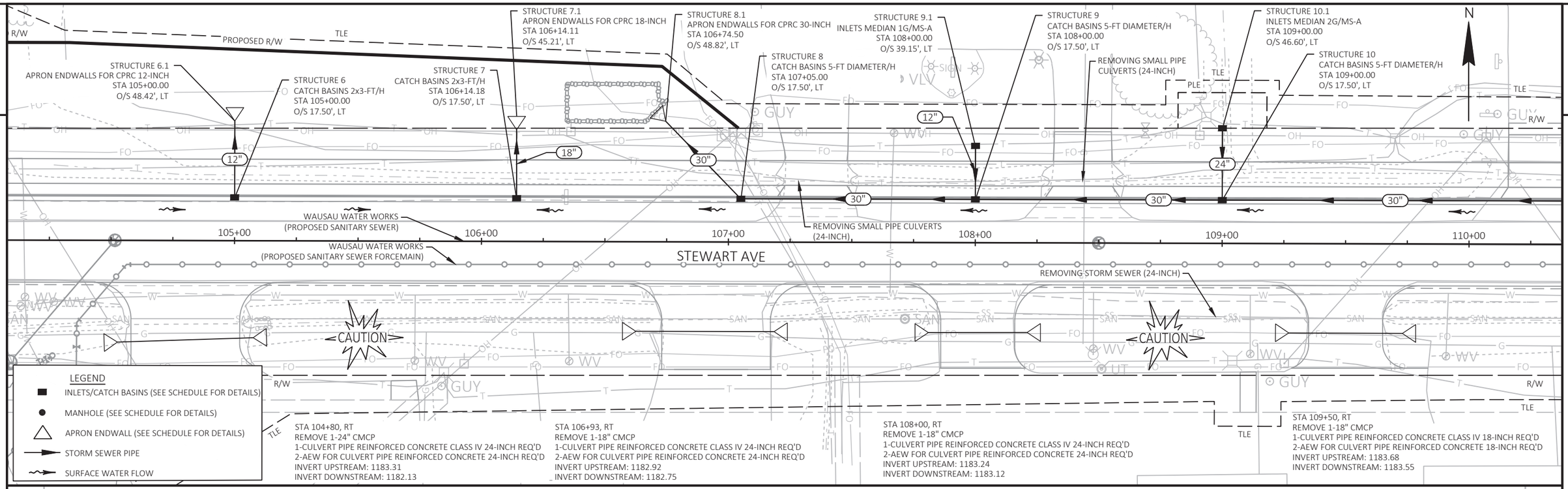
STEWART AVE STRUCTURE B - STRUCTURE B.1

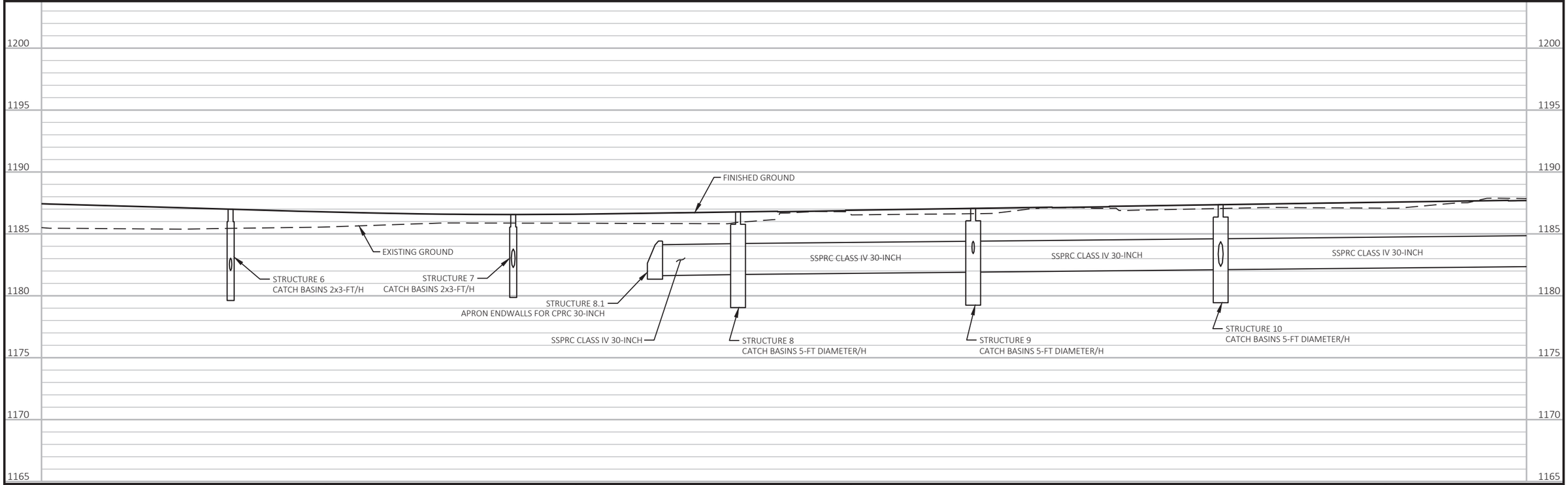




PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	STORM SEWER	SHEET 67	E

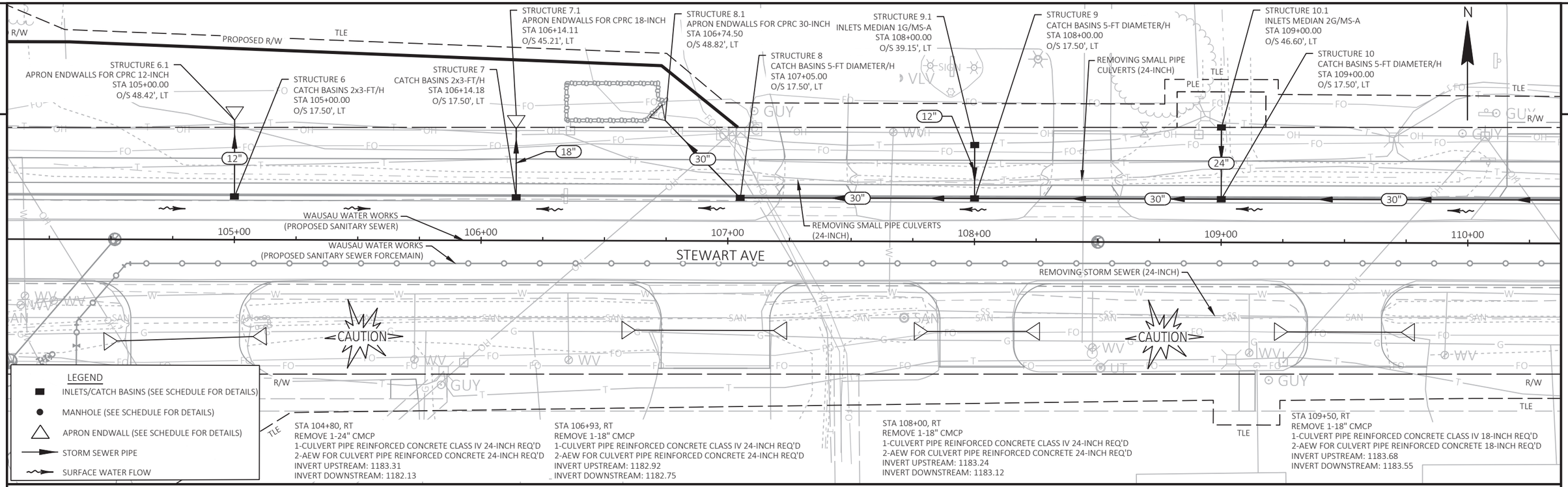
FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 01
PLOT DATE : 10/31/2023 7:45 AM
PLOT BY : JESSICA SPLITTGERBER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT





PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	STORM SEWER	SHEET 68	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 02
PLOT DATE : 10/31/2023 7:46 AM
PLOT BY : JESSICA SPLITTGERBER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

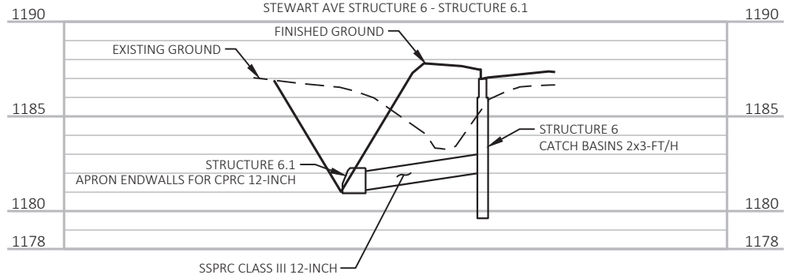


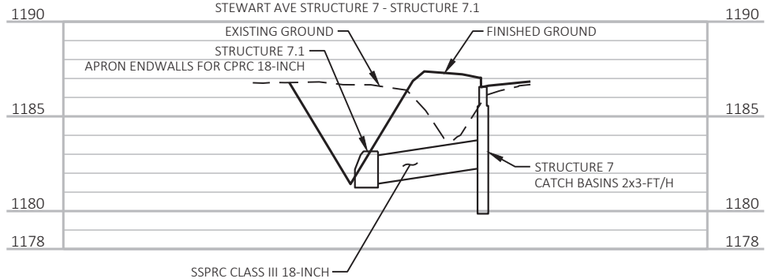
STA 104+80, RT
REMOVE 1-24" CMCP
1-CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH REQ'D
2-AEW FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH REQ'D
INVERT UPSTREAM: 1183.31
INVERT DOWNSTREAM: 1182.13

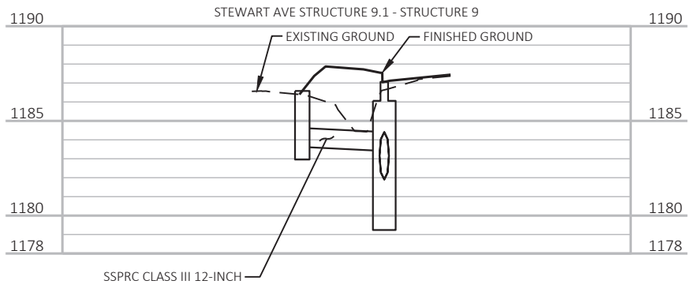
STA 106+93, RT
REMOVE 1-18" CMCP
1-CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH REQ'D
2-AEW FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH REQ'D
INVERT UPSTREAM: 1182.92
INVERT DOWNSTREAM: 1182.75

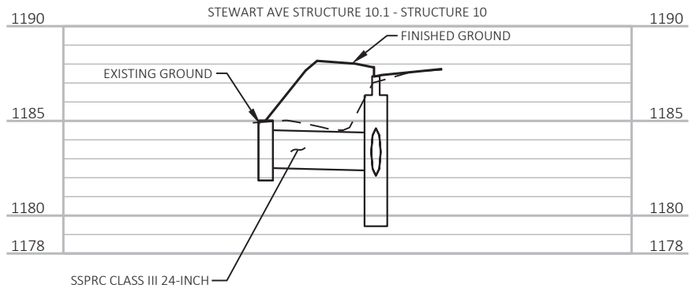
STA 108+00, RT
REMOVE 1-18" CMCP
1-CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH REQ'D
2-AEW FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH REQ'D
INVERT UPSTREAM: 1183.24
INVERT DOWNSTREAM: 1183.12

STA 109+50, RT
REMOVE 1-18" CMCP
1-CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH REQ'D
2-AEW FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH REQ'D
INVERT UPSTREAM: 1183.68
INVERT DOWNSTREAM: 1183.55









PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	STORM SEWER	SHEET 69	E

LEGEND
- INLETS/CATCH BASINS (SEE SCHEDULE FOR DETAILS)
- MANHOLE (SEE SCHEDULE FOR DETAILS)
- APRON ENDWALL (SEE SCHEDULE FOR DETAILS)
- STORM SEWER PIPE
- SURFACE WATER FLOW

STRUCTURE 11.1
INLETS MEDIAN 1G/MS-A
STA 110+80.00
O/S 42.64', LT

STRUCTURE 11
CATCH BASINS 5-FT DIAMETER/H
STA 110+80.15
O/S 17.50', LT

STRUCTURE 12
CATCH BASINS 6-FT DIAMETER/H
STA 112+55.00
O/S 17.50', LT

STRUCTURE 12.1
APRON ENDWALLS FOR CPRC 30-INCH
STA 112+70.00
O/S 47.70', LT

STRUCTURE 13
CATCH BASINS 2x3-H
STA 115+25.00
O/S 17.50', LT

REMOVING SMALL PIPE CULVERTS (24-INCH)

REMOVING SMALL PIPE CULVERTS (24-INCH)

STEWART AVE

WAUSAU WATER WORKS (PROPOSED SANITARY SEWER)

WAUSAU WATER WORKS (PROPOSED SANITARY SEWER FORCEMAIN)

STA 112+26, RT
REMOVE 1-30" RCCP
1-CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH REQ'D
2-AEW FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH REQ'D
INVERT UPSTREAM: 1184.50
INVERT DOWNSTREAM: 1184.40

STA 112+94, RT
REMOVE 1-16" CPCP
1-CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH REQ'D
2-AEW FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH REQ'D
INVERT UPSTREAM: 1184.71
INVERT DOWNSTREAM: 1184.60

STA 114+91, RT
1-CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH REQ'D
2-AEW FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH REQ'D
INVERT UPSTREAM: 1185.29
INVERT DOWNSTREAM: 1185.17

STA 116+20, RT
REMOVE 1-24" CMCP
1-CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH REQ'D
2-AEW FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH REQ'D
INVERT UPSTREAM: 1185.66
INVERT DOWNSTREAM: 1185.59

EXISTING GROUND
FINISHED GROUND
SSPRC CLASS IV 30-INCH
SSPRC CLASS IV 30-INCH
SSPRC CLASS IV 12-INCH
STRUCTURE 11
CATCH BASINS 5-FT DIAMETER/H
STRUCTURE 12
CATCH BASINS 6-FT DIAMETER/H
STRUCTURE 13
CATCH BASINS 2x3-H

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	STORM SEWER	SHEET 70	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 03
PLOT DATE : 10/31/2023 7:46 AM
PLOT BY : JESSICA SPLITTGERBER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

LEGEND
- INLETS/CATCH BASINS (SEE SCHEDULE FOR DETAILS)
- MANHOLE (SEE SCHEDULE FOR DETAILS)
- APRON ENDWALL (SEE SCHEDULE FOR DETAILS)
- STORM SEWER PIPE
- SURFACE WATER FLOW

STRUCTURE 11.1
INLETS MEDIAN 1G/MS-A
STA 110+80.00
O/S 42.64', LT

STRUCTURE 11
CATCH BASINS 5-FT DIAMETER/H
STA 110+80.15
O/S 17.50', LT

STRUCTURE 12
CATCH BASINS 6-FT DIAMETER/H
STA 112+55.00
O/S 17.50', LT

STRUCTURE 12.1
APRON ENDWALLS FOR CPRC 30-INCH
STA 112+70.00
O/S 47.70', LT

STRUCTURE 13
CATCH BASINS 2x3-H
STA 115+25.00
O/S 17.50', LT

REMOVING SMALL PIPE CULVERTS (24-INCH)

REMOVING SMALL PIPE CULVERTS (24-INCH)

WAUSAU WATER WORKS (PROPOSED SANITARY SEWER)

WAUSAU WATER WORKS (PROPOSED SANITARY SEWER FORCEMAIN)

STEWART AVE

111+00 112+00 113+00 114+00 115+00 116+00

CAUTION

CAUTION

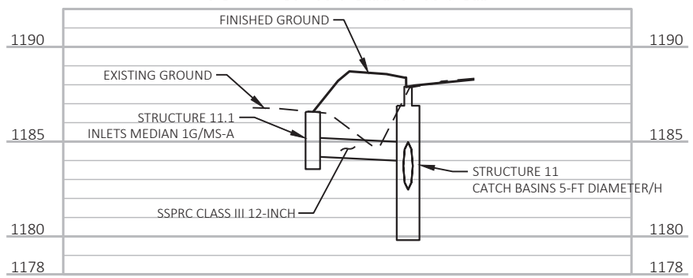
STA 112+26, RT
REMOVE 1-30" RCCP
1-CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH REQ'D
2-AEW FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH REQ'D
INVERT UPSTREAM: 1184.50
INVERT DOWNSTREAM: 1184.40

STA 112+94, RT
REMOVE 1-16" CPCP
1-CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH REQ'D
2-AEW FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH REQ'D
INVERT UPSTREAM: 1184.71
INVERT DOWNSTREAM: 1184.60

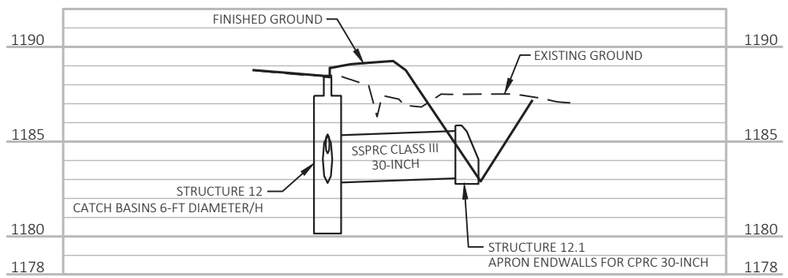
STA 114+91, RT
1-CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH REQ'D
2-AEW FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH REQ'D
INVERT UPSTREAM: 1185.29
INVERT DOWNSTREAM: 1185.17

STA 116+20, RT
REMOVE 1-24" CMCP
1-CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH REQ'D
2-AEW FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH REQ'D
INVERT UPSTREAM: 1185.66
INVERT DOWNSTREAM: 1185.59

STEWART AVE STRUCTURE 11.1 - STRUCTURE 11



STEWART AVE STRUCTURE 12.1 - STRUCTURE 12



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	STORM SEWER	SHEET 71	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 03 (2)
PLOT DATE : 10/31/2023 7:47 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND
- INLETS/CATCH BASINS (SEE SCHEDULE FOR DETAILS)
- MANHOLE (SEE SCHEDULE FOR DETAILS)
- APRON ENDWALL (SEE SCHEDULE FOR DETAILS)
- STORM SEWER PIPE
- SURFACE WATER FLOW

STRUCTURE 14.2
APRON ENDWALLS FOR CPRC 30-INCH
STA 118+35.70
O/S 51.44', LT

STRUCTURE 14
CATCH BASINS 5-FT DIAMETER/H
STA 119+08.27
O/S 56.76', LT

STRUCTURE 14.1
MANHOLES 5-FT DIAMETER/J
STA 118+84.40
O/S 56.53', LT

STRUCTURE 15
INLETS MEDIAN 2G/MS-A
STA 119+34.03
O/S 43.49', LT

STRUCTURE 16
CATCH BASINS 4-FT DIAMETER/H
STA 119+50.00
O/S 17.50', LT

STRUCTURE 17
CATCH BASINS 2x3-FT/H
STA 122+25.00
O/S 17.50', LT

PIPE UNDERDRAIN 6-INCH

STA 119+84.80
-36.00' LT

REMOVING STORM SEWER (27-INCH)

REMOVING MANHOLES
REMOVING STORM SEWER (27-INCH)

WAUSAU WATER WORKS
(PROPOSED SANITARY SEWER FORCEMAIN)

WAUSAU WATER WORKS
(PROPOSED WATERMAIN)

WAUSAU WATER WORKS
(PROPOSED SANITARY SEWER)

S 68TH AVE

STEWART AVE

PROPOSED R/W

R/W

TLE

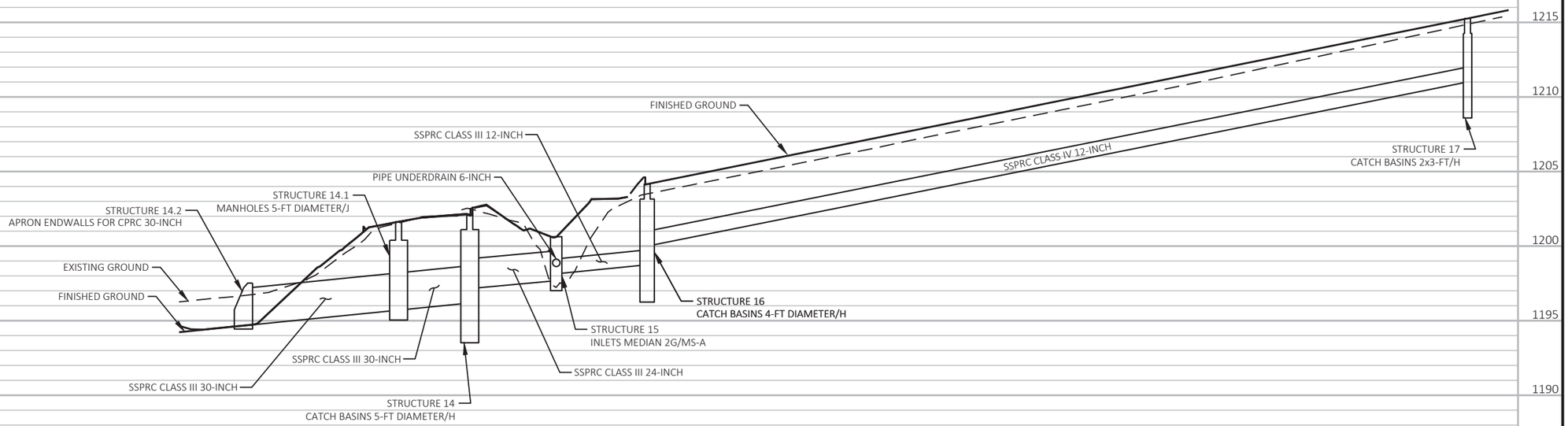
CAUTION

30" 30" 24" 12" 12"

117+00 118+00 119+00 120+00 121+00 122+00

N

STA 118+12, RT
REMOVE 1-24" CMCP
1-CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH REQ'D
2-AEW FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH REQ'D
INVERT UPSTREAM: 1194.27
INVERT DOWNSTREAM: 1192.66



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	STORM SEWER	SHEET 72	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 04

PLOT DATE : 10/31/2023 7:47 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

R/W

PIPE UNDERDRAIN 6-INCH

WAUSAU WATER WORKS
(PROPOSED WATERMAIN)

PIPE UNDERDRAIN
UNPERFORATED 6-INCH

STRUCTURE 18
CATCH BASINS 2x3-FT/H
STA 124+75.00
O/S 17.50', LT

PIPE UNDERDRAIN 6-INCH

STRUCTURE 19
CATCH BASINS 2x3-FT/H
STA 127+25.00
O/S 17.50', LT

PIPE UNDERDRAIN
UNPERFORATED 6-INCH

R/W

123+00 124+00 125+00 STEWART AVE 126+00 127+00 128+00

12" 12"

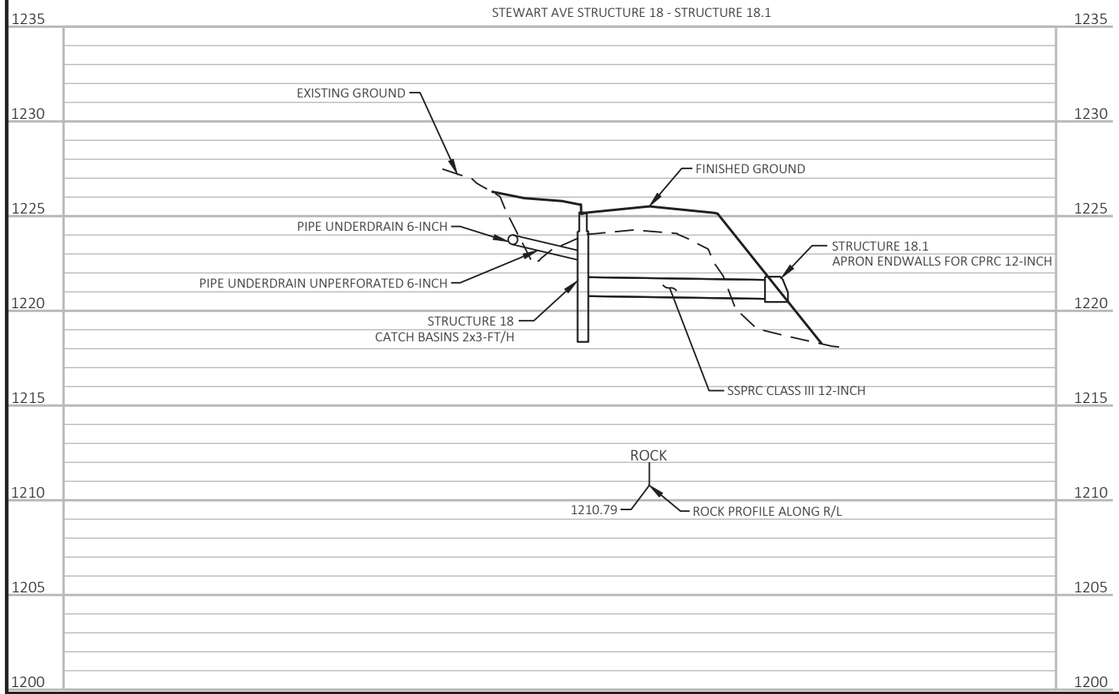
CAUTION CAUTION

STRUCTURE 18.1
APRON ENDWALLS FOR CPRC 12-INCH
STA 124+75.00
O/S 30.54', RT

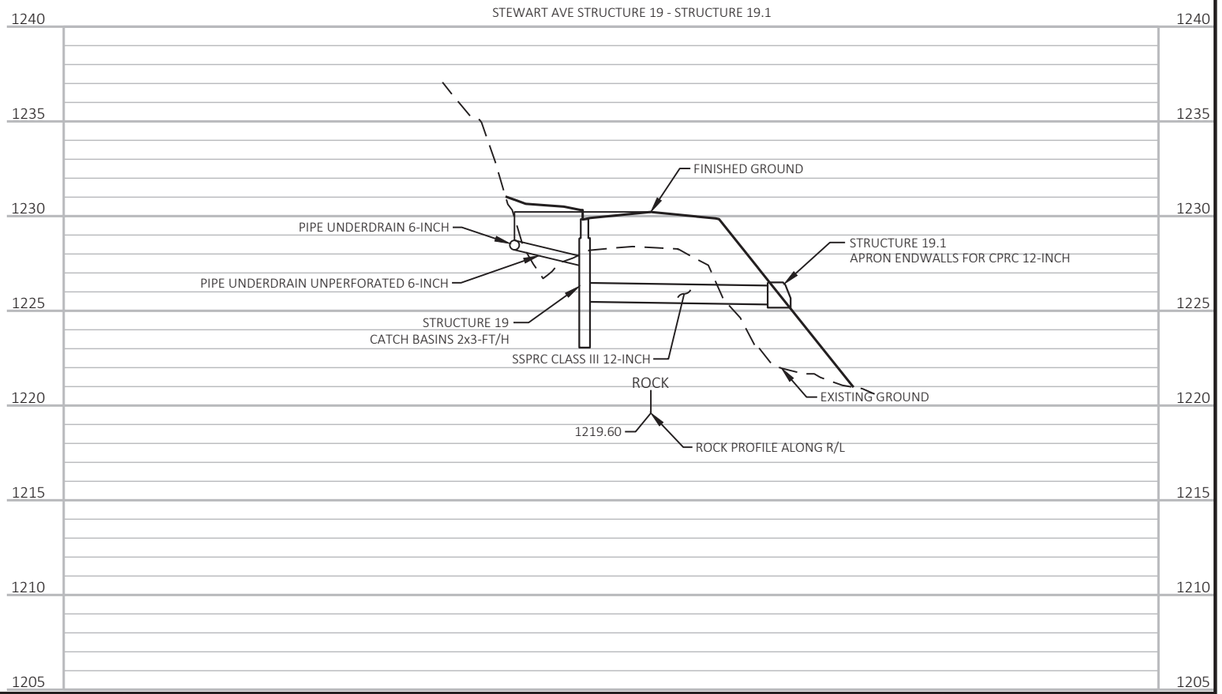
STRUCTURE 19.1
APRON ENDWALLS FOR CPRC 12-INCH
STA 127+25.00
O/S 30.82', RT

LEGEND
- INLETS/CATCH BASINS (SEE SCHEDULE FOR DETAILS)
- MANHOLE (SEE SCHEDULE FOR DETAILS)
- APRON ENDWALL (SEE SCHEDULE FOR DETAILS)
- STORM SEWER PIPE
- SURFACE WATER FLOW

STEWART AVE STRUCTURE 18 - STRUCTURE 18.1



STEWART AVE STRUCTURE 19 - STRUCTURE 19.1



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	STORM SEWER	SHEET 73	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 05
PLOT DATE : 10/31/2023 7:47 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

N

PIPE UNDERDRAIN 6-INCH

WAUSAU WATER WORKS
(PROPOSED WATERMAIN)

PIPE UNDERDRAIN
UNPERFORATED 6-INCH

STRUCTURE 20
CATCH BASINS 2x3-FT/H
STA 132+00.00
O/S 17.50', LT

R/W

R/W

STEWART AVE

129+00 130+00 131+00 132+00 133+00 134+00

WAUSAU WATER WORKS
(PROPOSED SANITARY SEWER)

12"

CAUTION

CAUTION

STRUCTURE 20.1
APRON ENDWALLS FOR CPRC 12-INCH
STA 132+00.00
O/S 30.89', RT

LEGEND

- INLETS/CATCH BASINS (SEE SCHEDULE FOR DETAILS)
- MANHOLE (SEE SCHEDULE FOR DETAILS)
- APRON ENDWALL (SEE SCHEDULE FOR DETAILS)
- STORM SEWER PIPE
- SURFACE WATER FLOW

STEWART AVE STRUCTURE 20 - STRUCTURE 20.1

1240 1235 1230 1225 1220 1215 1210 1205

FINISHED GROUND

PIPE UNDERDRAIN 6-INCH

PIPE UNDERDRAIN UNPERFORATED 6-INCH

EXISTING GROUND

SSPRC CLASS III 12-INCH

ROCK

1210.36

ROCK PROFILE ALONG R/L

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	STORM SEWER	SHEET 74	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 06

PLOT DATE : 10/31/2023 7:48 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

PIPE UNDERDRAIN
UNPERFORATED 6-INCH

STRUCTURE 21
CATCH BASINS 2x3-FT/H
STA 134+50.00
O/S 17.50', LT

STRUCTURE 22
CATCH BASINS 2x3-FT/H
STA 137+00.00
O/S 17.50', LT

STRUCTURE 23.1
APRON ENDWALLS FOR CPRC 24-INCH
STA 139+44.55
O/S 47.52', LT

STRUCTURE 23
CATCH BASINS 5-FT DIAMETER/H
STA 139+44.47
O/S 17.50', LT

WAUSAU WATER WORKS
(PROPOSED WATERMAIN)

WAUSAU WATER WORKS
(PROPOSED SANITARY SEWER)

UNNAMED
OPEN WATER

R/W

N

135+00 136+00 137+00 138+00 139+00 140+00

STEWART AVE

12" 12" 24" 24" 15" 15"

CAUTION CAUTION CAUTION

STRUCTURE 21.1
APRON ENDWALLS FOR CPRC 12-INCH
STA 134+50.00
O/S 32.37', RT

STRUCTURE 22.1
APRON ENDWALLS FOR CPRC 12-INCH
STA 137+00.00
O/S 32.25', RT

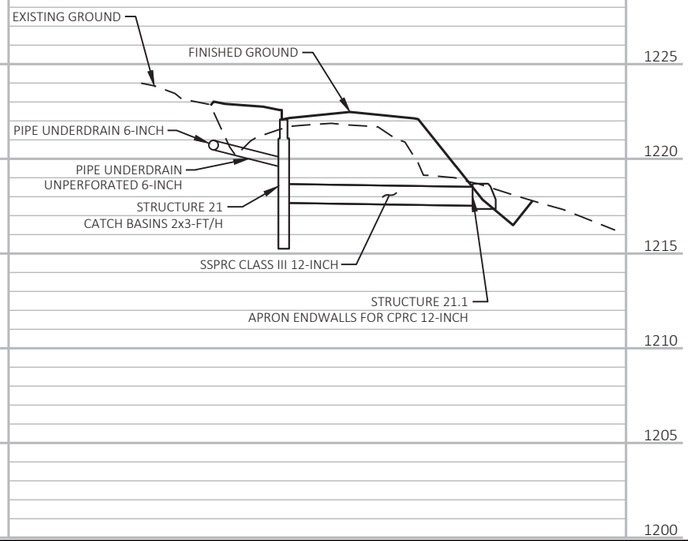
STRUCTURE 23.2
APRON ENDWALLS FOR CPRC 24-INCH
STA 139+44.50
O/S 32.69', RT

STRUCTURE 23.3
MANHOLES 4-FT DIAMETER/J
STA 139+65.00
O/S 11.50', LT

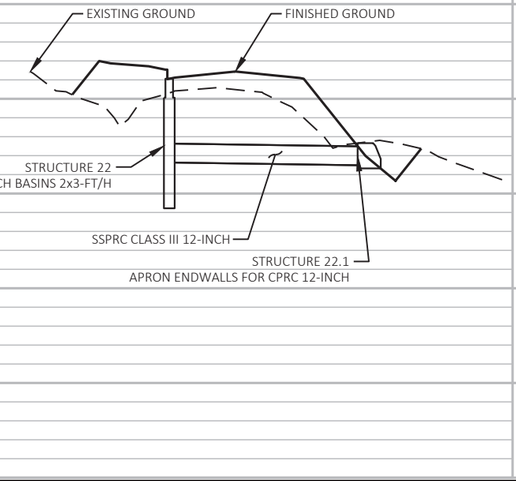
TLE

LEGEND
- INLETS/CATCH BASINS (SEE SCHEDULE FOR DETAILS)
- MANHOLE (SEE SCHEDULE FOR DETAILS)
- APRON ENDWALL (SEE SCHEDULE FOR DETAILS)
- STORM SEWER PIPE
- SURFACE WATER FLOW

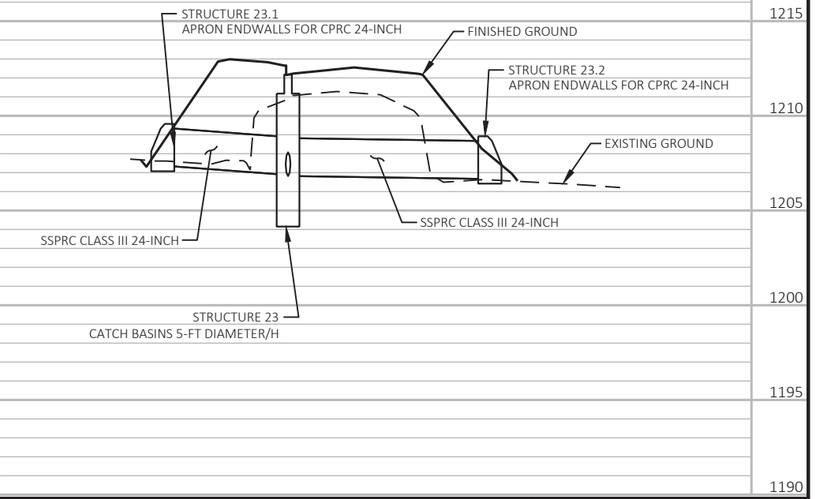
STEWART AVE STRUCTURE 21 - STRUCTURE 21.1



STEWART AVE STRUCTURE 22 - STRUCTURE 22.1

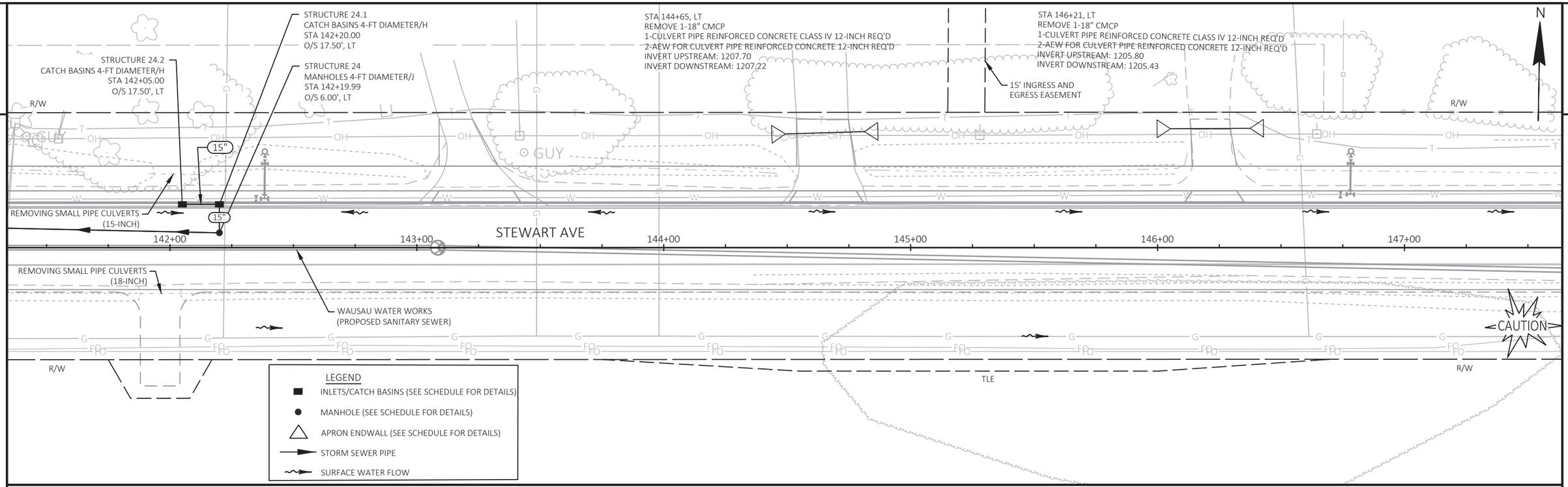


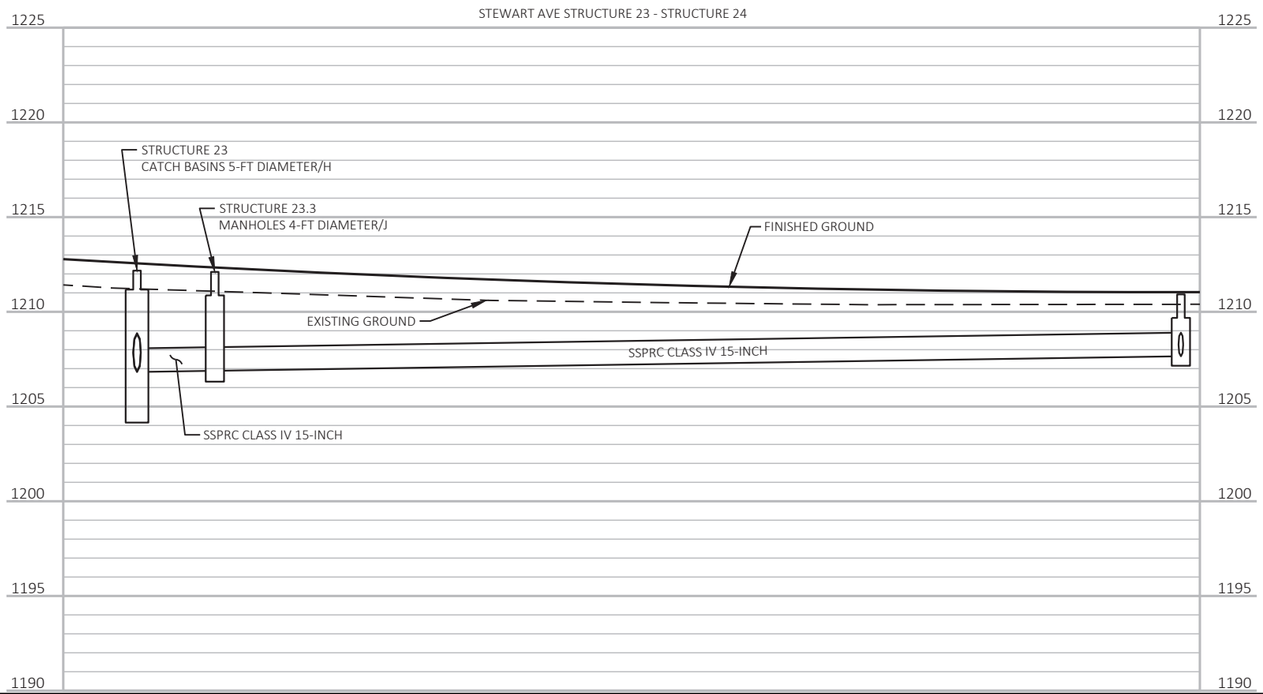
STEWART AVE STRUCTURE 23.1 - STRUCTURE 23.2

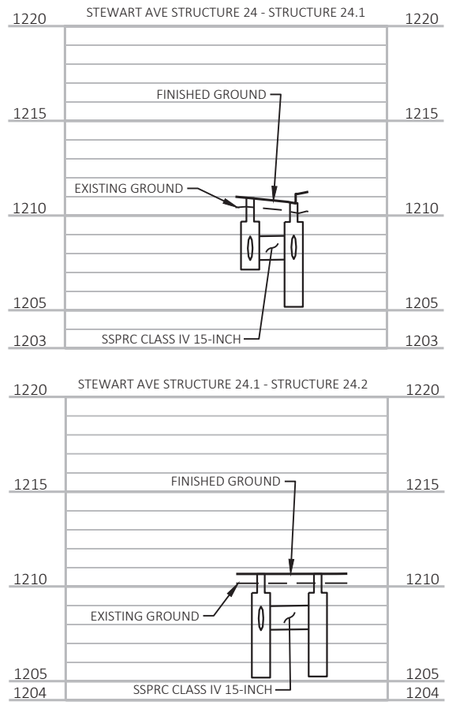


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	STORM SEWER	SHEET 75	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 07
PLOT DATE : 10/31/2023 7:48 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

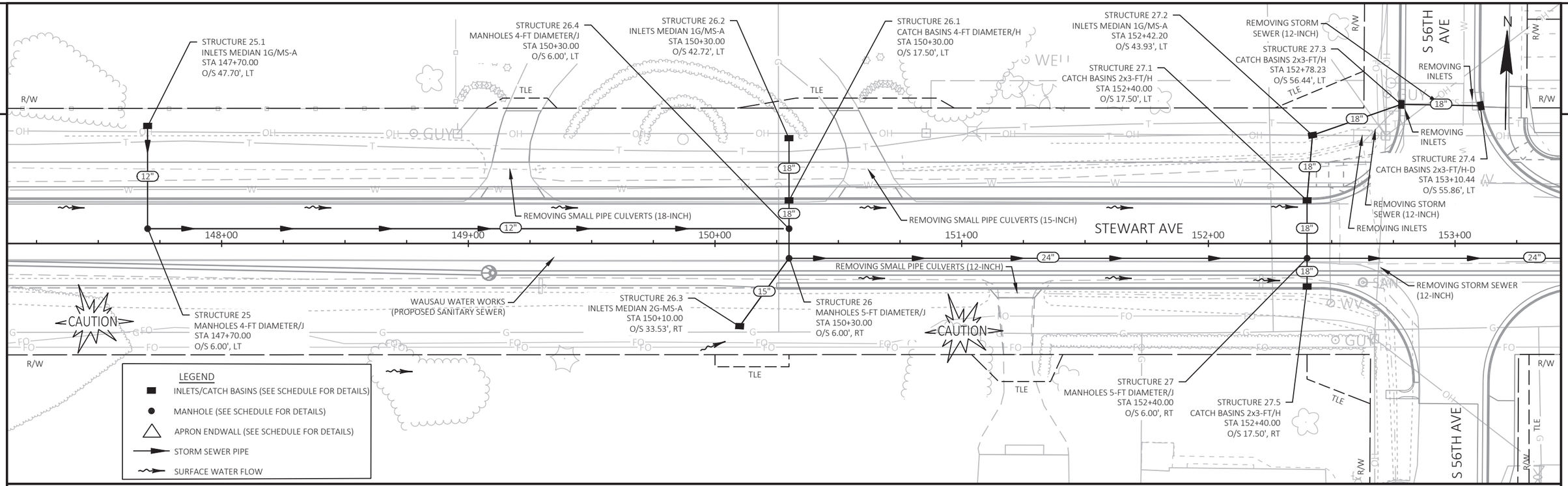


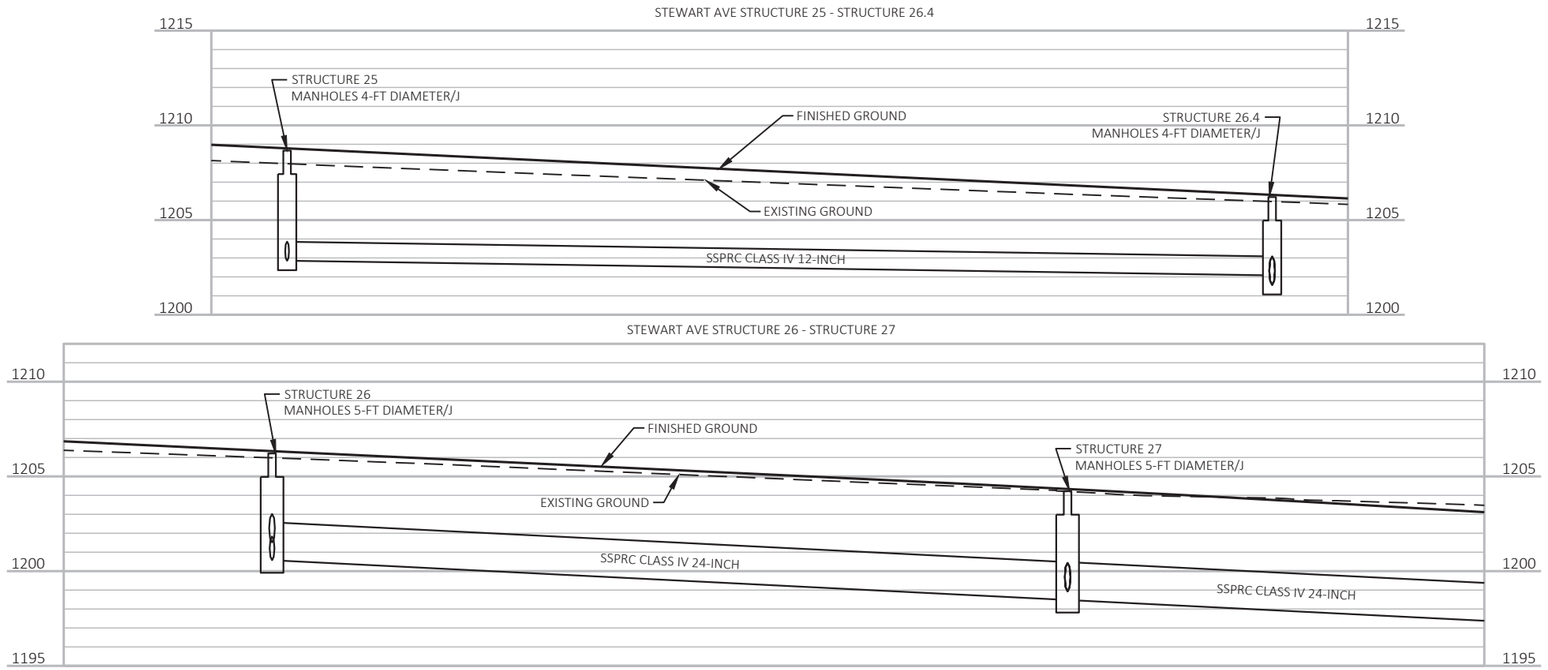




PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	STORM SEWER	SHEET 76	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 08
PLOT DATE : 10/31/2023 7:48 AM
PLOT BY : JESSICA SPLITTGERBER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT





PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	STORM SEWER	SHEET 77	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 09
PLOT DATE : 10/31/2023 7:49 AM
PLOT BY : JESSICA SPLITTGERBER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

NOTE
STRUCTURE 27.2 TO BE ORIENTED SO THAT THE CONNECTING PIPES ARE CENTERED ON THE FLAT FACES OF THE STRUCTURE

STRUCTURE 25.1
INLETS MEDIAN 1G/MS-A
STA 147+70.00
O/S 47.70', LT

STRUCTURE 26.4
MANHOLES 4-FT DIAMETER/J
STA 150+30.00
O/S 6.00', LT

STRUCTURE 26.2
INLETS MEDIAN 1G/MS-A
STA 150+30.00
O/S 42.72', LT

STRUCTURE 26.1
CATCH BASINS 4-FT DIAMETER/H
STA 150+30.00
O/S 17.50', LT

STRUCTURE 27.2
INLETS MEDIAN 1G/MS-A
STA 152+42.20
O/S 43.93', LT

STRUCTURE 27.1
CATCH BASINS 2x3-FT/H
STA 152+40.00
O/S 17.50', LT

STRUCTURE 27.3
CATCH BASINS 2x3-FT/H
STA 152+78.23
O/S 56.44', LT

REMOVING STORM SEWER (12-INCH)

REMOVING INLETS

REMOVING INLETS

STRUCTURE 27.4
CATCH BASINS 2x3-FT/H-D
STA 153+10.44
O/S 55.86', LT

REMOVING STORM SEWER (12-INCH)

REMOVING INLETS

REMOVING SMALL PIPE CULVERTS (18-INCH)

REMOVING SMALL PIPE CULVERTS (15-INCH)

REMOVING SMALL PIPE CULVERTS (12-INCH)

REMOVING STORM SEWER (12-INCH)

WAUSAU WATER WORKS
(PROPOSED SANITARY SEWER)

STRUCTURE 25
MANHOLES 4-FT DIAMETER/J
STA 147+70.00
O/S 6.00', LT

STRUCTURE 26.3
INLETS MEDIAN 2G-MS-A
STA 150+10.00
O/S 33.53', RT

STRUCTURE 26
MANHOLES 5-FT DIAMETER/J
STA 150+30.00
O/S 6.00', RT

STRUCTURE 27
MANHOLES 5-FT DIAMETER/J
STA 152+40.00
O/S 6.00', RT

STRUCTURE 27.5
CATCH BASINS 2x3-FT/H
STA 152+40.00
O/S 17.50', RT

STEWART AVE

S 56TH AVE

S 56TH AVE

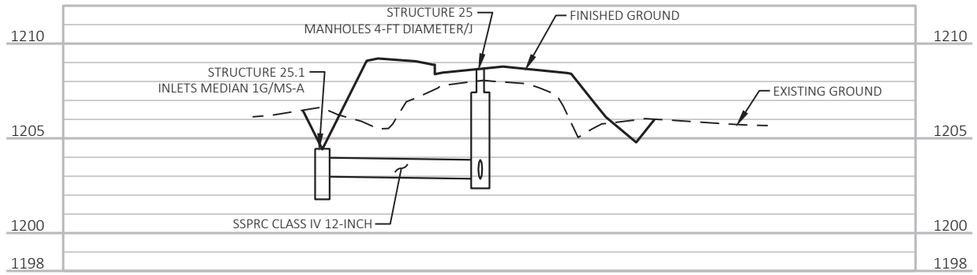
148+00 149+00 150+00 151+00 152+00 153+00

CAUTION

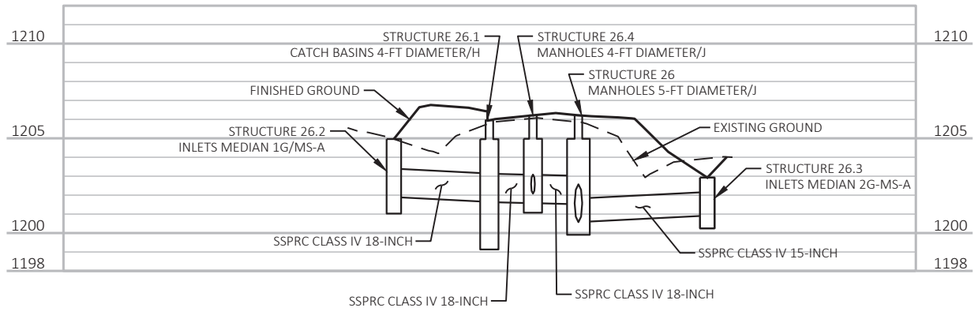
CAUTION

LEGEND
- INLETS/CATCH BASINS (SEE SCHEDULE FOR DETAILS)
- MANHOLE (SEE SCHEDULE FOR DETAILS)
- APRON ENDWALL (SEE SCHEDULE FOR DETAILS)
- STORM SEWER PIPE
- SURFACE WATER FLOW

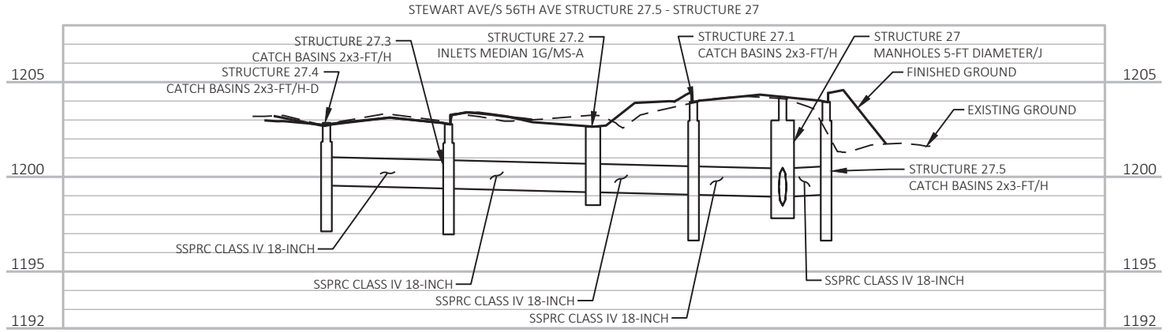
STEWART AVE STRUCTURE 25.1 - STRUCTURE 25



STEWART AVE STRUCTURE 26.4 - STRUCTURE 26



STEWART AVE/S 56TH AVE STRUCTURE 27.5 - STRUCTURE 27



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	STORM SEWER	SHEET 78	E

STRUCTURE 28.1
CATCH BASINS 2x3-FT/H
STA 154+40.00
O/S 17.50', LT

STRUCTURE 29.1
CATCH BASINS 2x3-FT/H
STA 156+50.00
O/S 17.50', LT

STRUCTURE 29.2
CATCH BASINS 2x3-FT/H
STA 156+60.00
O/S 17.50', LT

STRUCTURE 30.1
CATCH BASINS 2x3-FT/H
STA 158+01.00
O/S 17.50', LT

STRUCTURE 30.2
CATCH BASINS 2x3-FT/H
STA 157+86.00
O/S 17.50', LT

STRUCTURE 30.3
CATCH BASINS 2x3-FT/H
STA 158+16.00
O/S 17.50', LT

EXISTING STORM SEWER PIPE TO REMAIN

REMOVING SMALL PIPE CULVERTS (15-INCH)

STEWART AVE

154+00 155+00 156+00 157+00 158+00 159+00

STRUCTURE 28
MANHOLES 5-FT DIAMETER/J
STA 154+40.00
O/S 6.00', RT

WAUSAU WATER WORKS
(PROPOSED SANITARY SEWER)

STRUCTURE 29.3
CATCH BASINS 2x3-FT/H
STA 156+50.00
O/S 17.50', RT

STRUCTURE 29
MANHOLES 5-FT DIAMETER/J
STA 156+50.00
O/S 6.00', RT

CAUTION

STRUCTURE 30.4
CATCH BASINS 2x3-FT/H
STA 158+01.00
O/S 17.50', RT

STRUCTURE 30
MANHOLES 5-FT DIAMETER/J
STA 158+01.00
O/S 6.00', RT

LEGEND
- INLETS/CATCH BASINS (SEE SCHEDULE FOR DETAILS)
- MANHOLE (SEE SCHEDULE FOR DETAILS)
- APRON ENDWALL (SEE SCHEDULE FOR DETAILS)
- STORM SEWER PIPE
- SURFACE WATER FLOW

STRUCTURE 28
MANHOLES 5-FT DIAMETER/J

STRUCTURE 29
MANHOLES 5-FT DIAMETER/J

STRUCTURE 30
MANHOLES 5-FT DIAMETER/J

EXISTING GROUND

FINISHED GROUND

SSPRC CLASS IV 24-INCH

SSPRC CLASS IV 24-INCH

SSPRC CLASS IV 24-INCH

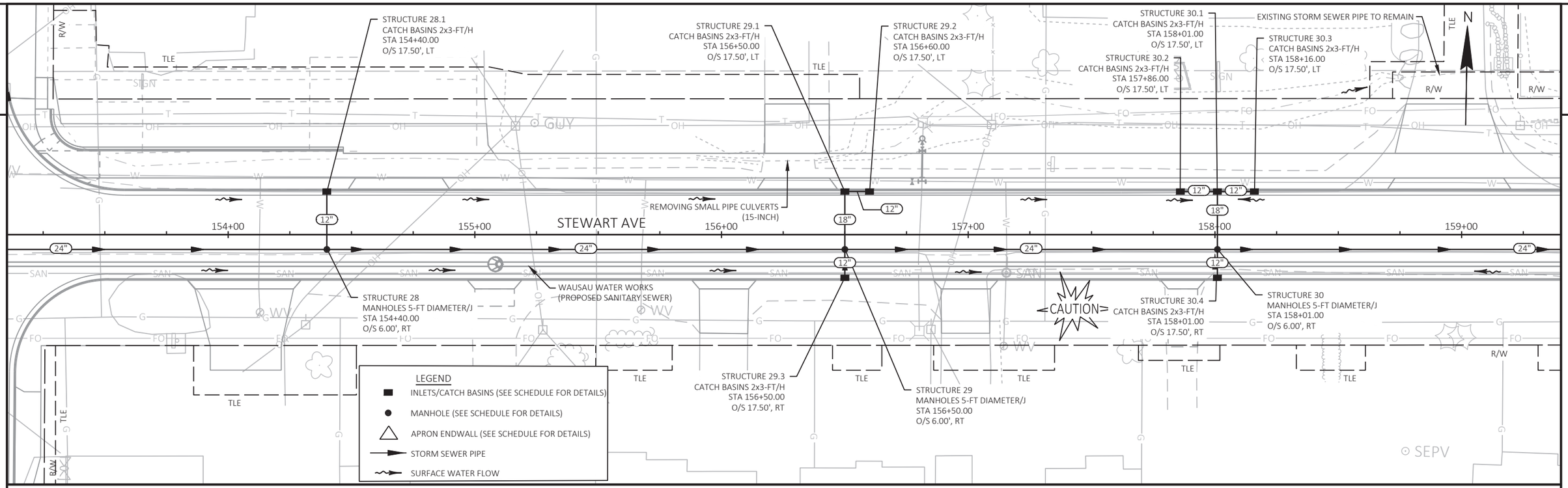
SSPRC CLASS IV 24-INCH

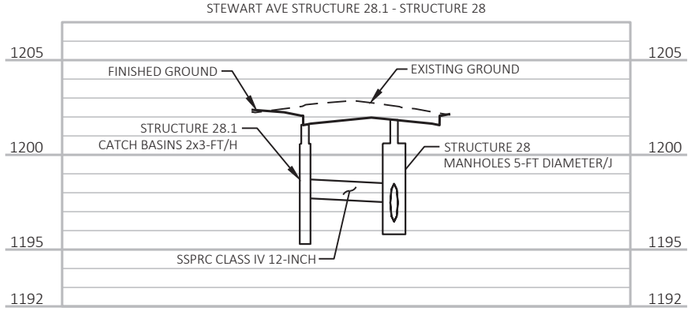
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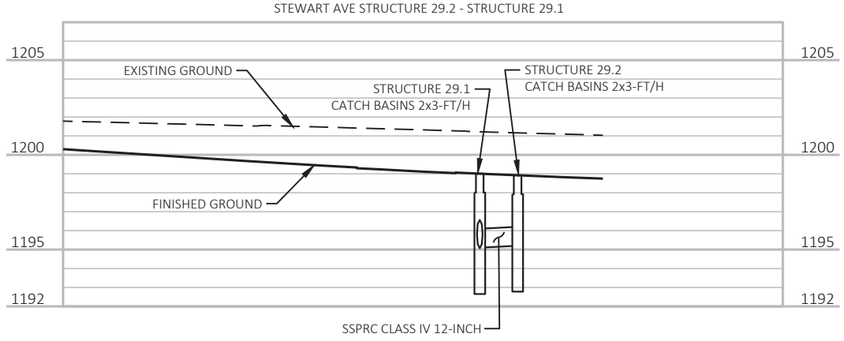
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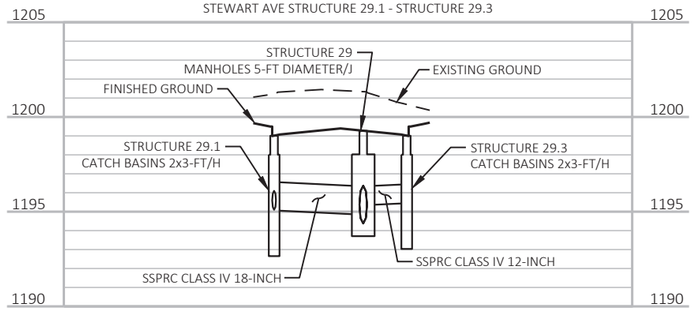
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LAYOUT NAME - 10

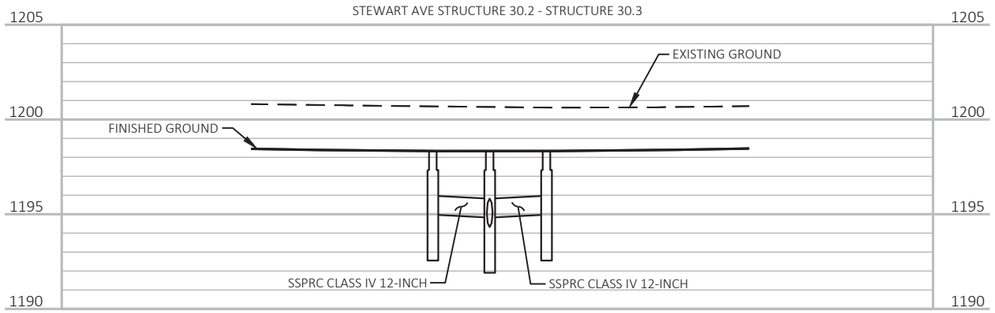
PLOT DATE : 10/31/2023 7:49 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

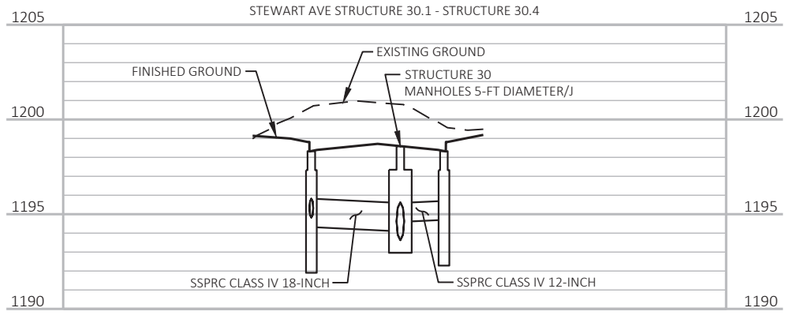






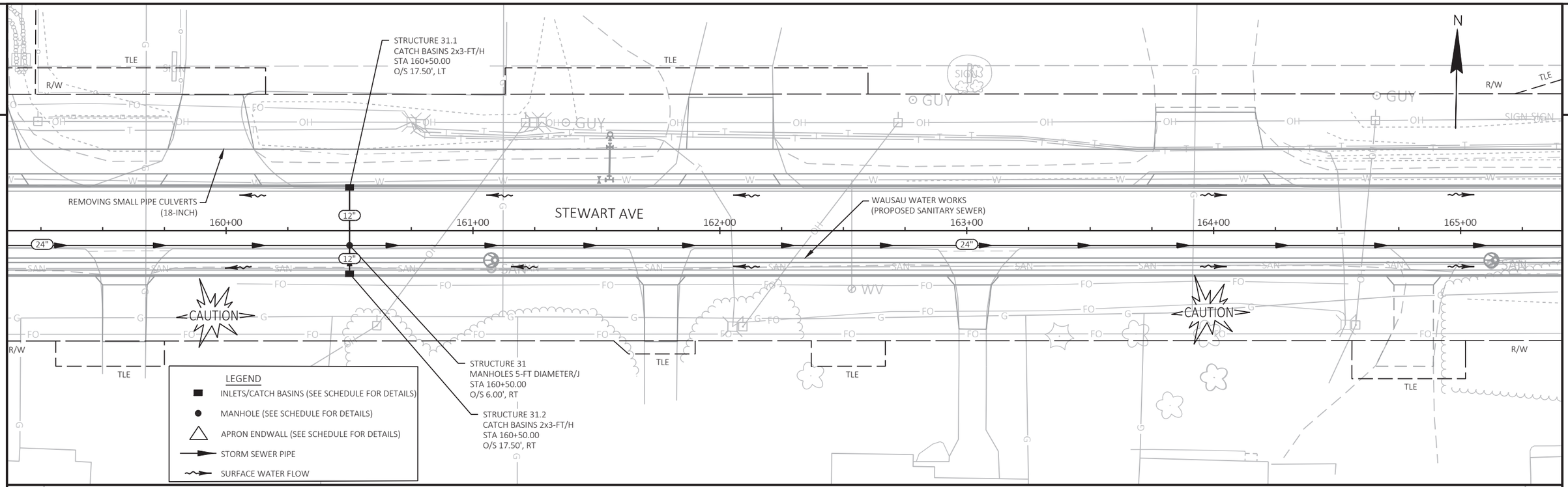


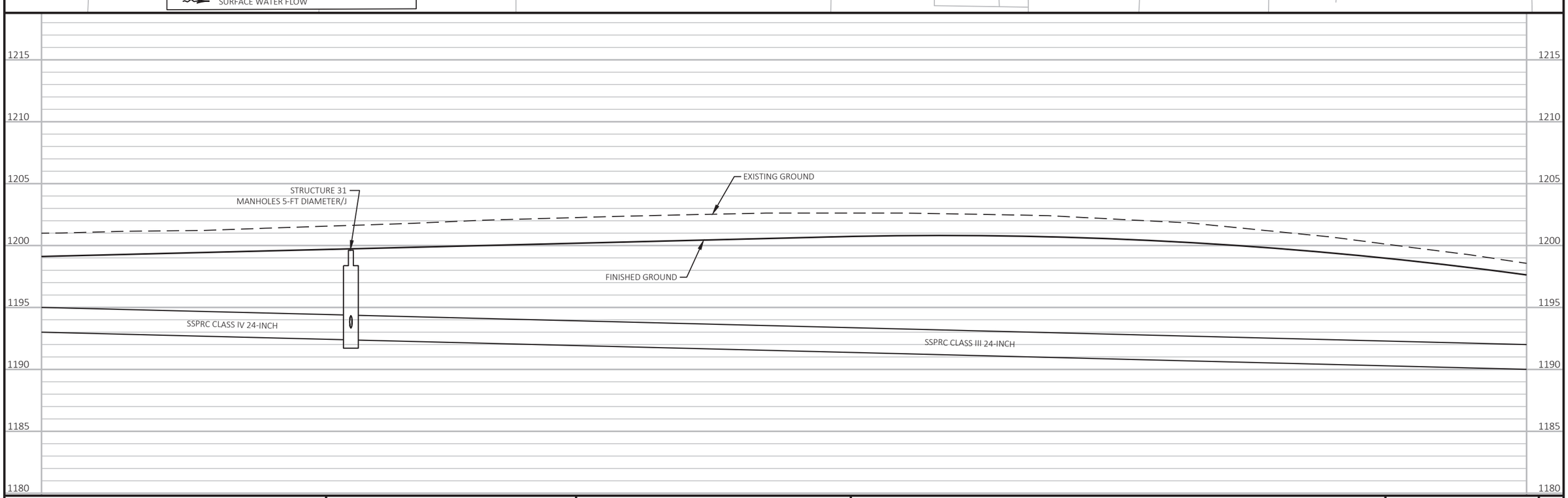




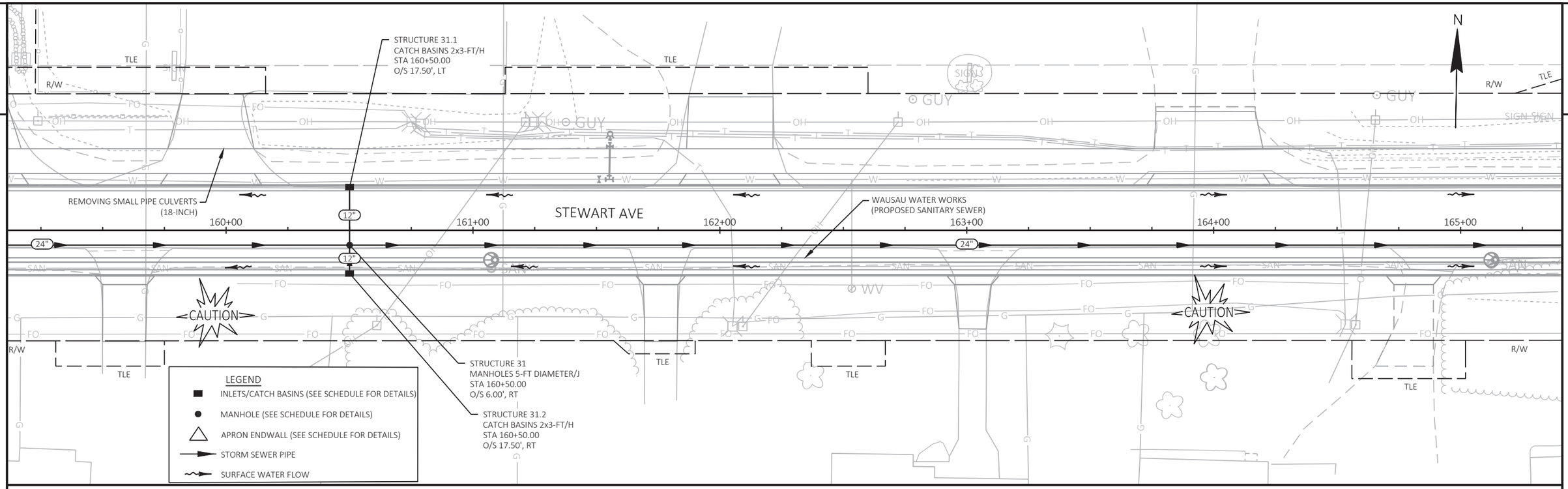
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	STORM SEWER	SHEET 80	E

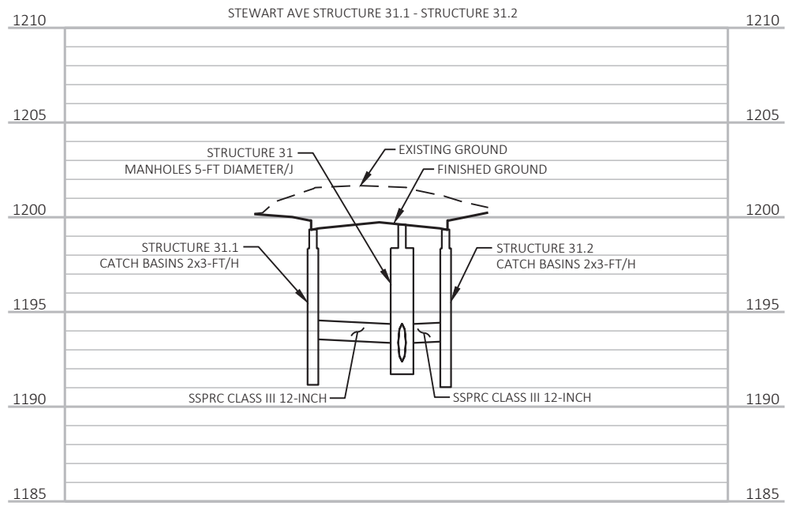
FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 10 (2)
PLOT DATE : 10/31/2023 7:50 AM
PLOT BY : JESSICA SPLITTGERBER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT





PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	STORM SEWER	SHEET 81	E





PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	STORM SEWER	SHEET 82	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 11 (2)

PLOT DATE : 10/31/2023 7:50 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

STRUCTURE 32.2
INLETS MEDIAN 1G/MS-A
STA 165+50.00
O/S 43.00', LT

STRUCTURE 32.1
CATCH BASINS 2x3-FT/H
STA 165+50.00
O/S 17.50', LT

STRUCTURE 33.1
CATCH BASINS 2x3-FT/H
STA 167+50.00
O/S 17.50', LT

STRUCTURE 34.1
CATCH BASINS 2x3-FT/H
STA 169+50.00
O/S 17.50', LT

STRUCTURE 34.2
APRON ENDWALLS FOR CPRC 12-INCH
STA 169+50.00
O/S 45.51', LT

STRUCTURE 35.3
CATCH BASINS 2x3-FT/H
STA 170+90.00
O/S 17.50', LT

SEALING PIPES

REMOVING SMALL PIPE CULVERTS
(18-INCH)

STEWART AVE

166+00 167+00 168+00 169+00 170+00 171+00

STRUCTURE 32.3
CATCH BASINS 2x3-FT/H
STA 165+50.00
O/S 17.50', RT

STRUCTURE 32
MANHOLES 5-FT DIAMETER/J
STA 165+50.00
O/S 6.00', RT

STRUCTURE 33.2
CATCH BASINS 2x3-FT/H
STA 167+50.00
O/S 17.50', RT

STRUCTURE 33
MANHOLES 5-FT DIAMETER/J
STA 167+50.00
O/S 6.00', RT

WAUSAU WATER WORKS
(PROPOSED SANITARY SEWER)

STRUCTURE 34.3
CATCH BASINS 2x3-FT/H
STA 169+50.00
O/S 17.50', RT

STRUCTURE 34
MANHOLES 5-FT DIAMETER/J
STA 169+50.00
O/S 6.00', RT

STRUCTURE 35.7
CATCH BASINS 4-FT DIAMETER/H
STA 170+90.00
O/S 17.50', RT

STRUCTURE 35.8
INLETS MEDIAN 1G/MS-A
STA 170+90.00
O/S 32.64', RT

CAUTION

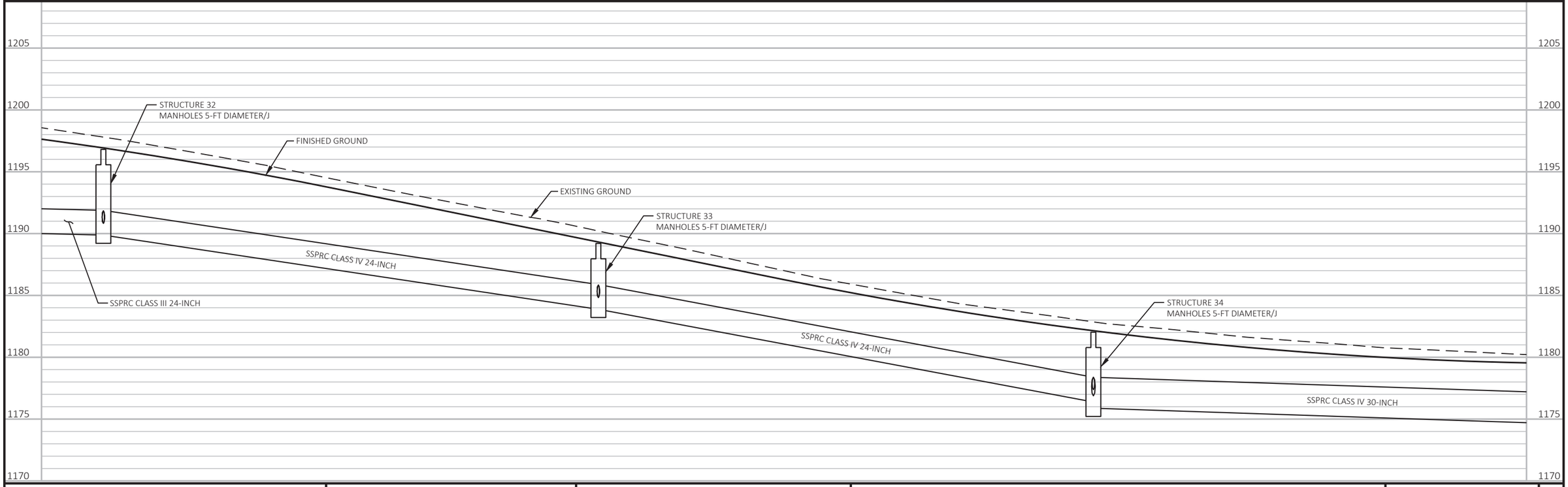
PROPOSED R/W

TLE

R/W

LEGEND
- INLETS/CATCH BASINS (SEE SCHEDULE FOR DETAILS)
- MANHOLE (SEE SCHEDULE FOR DETAILS)
- APRON ENDWALL (SEE SCHEDULE FOR DETAILS)
- STORM SEWER PIPE
- SURFACE WATER FLOW

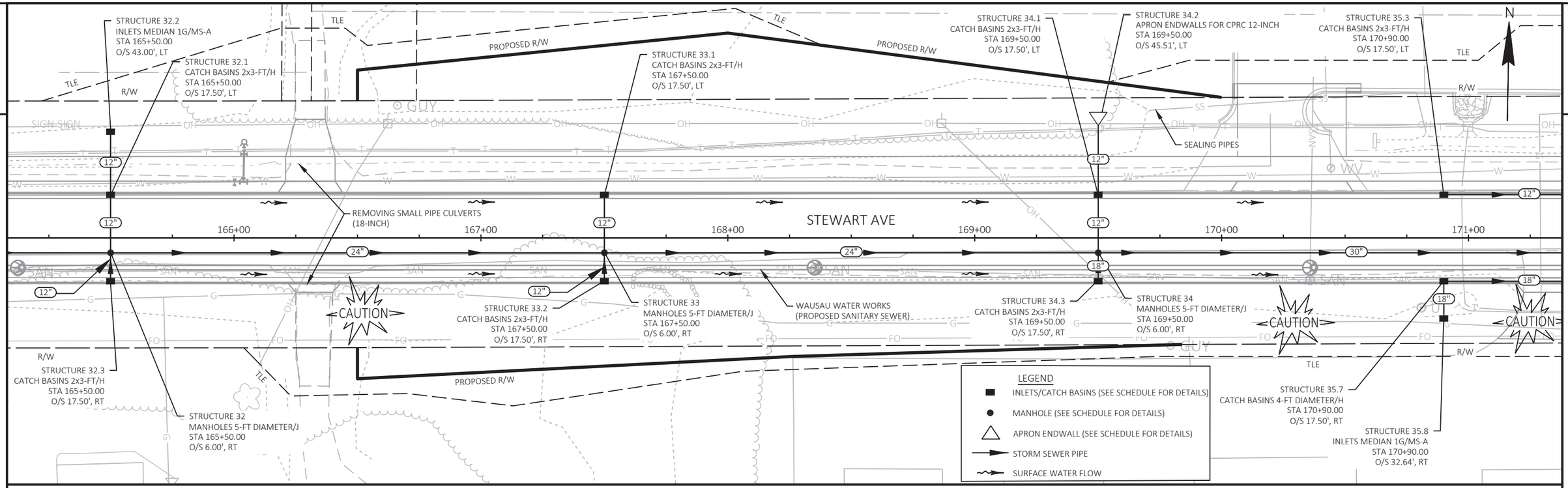
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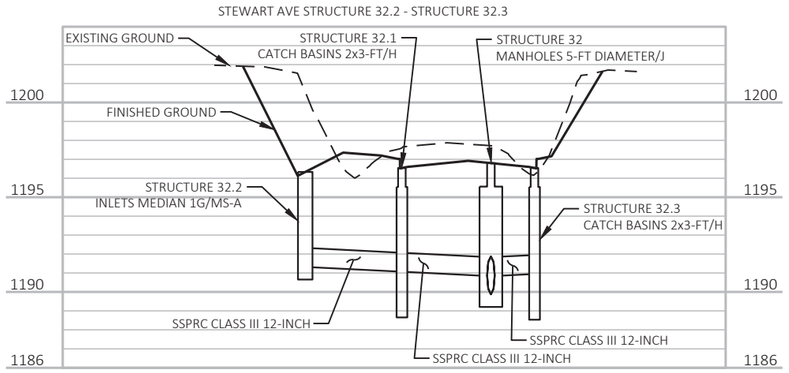
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	STORM SEWER	SHEET 83	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 12

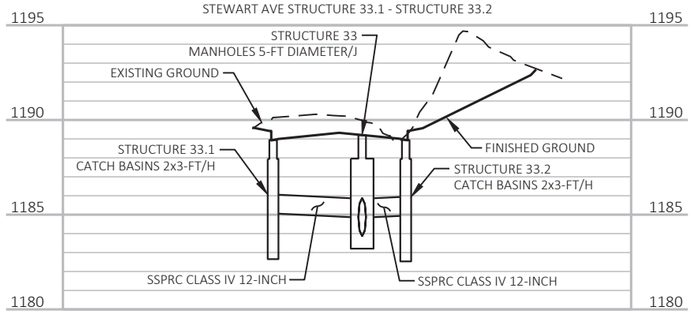
PLOT DATE : 10/31/2023 7:51 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT



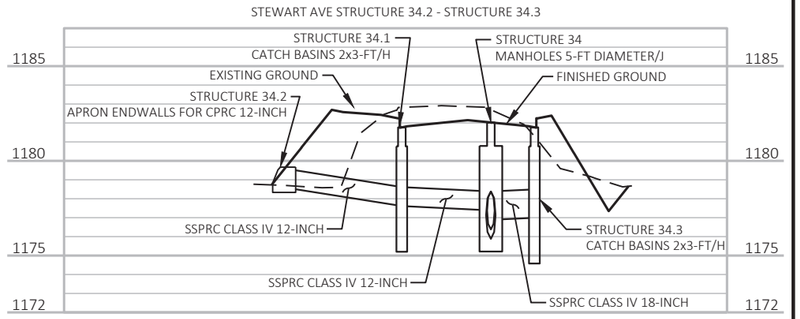
STEWART AVE STRUCTURE 32.2 - STRUCTURE 32.3



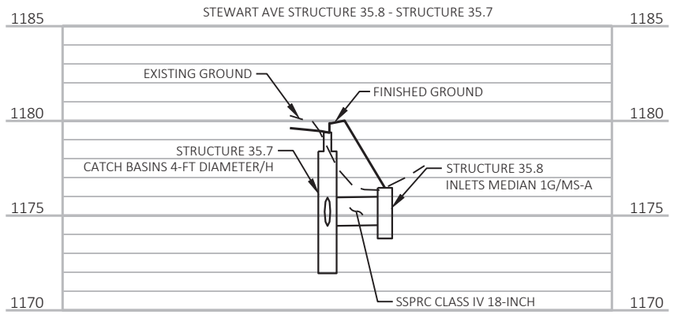
STEWART AVE STRUCTURE 33.1 - STRUCTURE 33.2



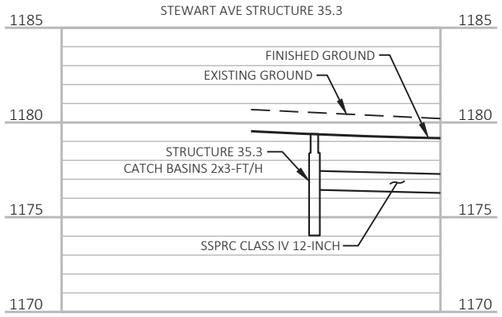
STEWART AVE STRUCTURE 34.2 - STRUCTURE 34.3



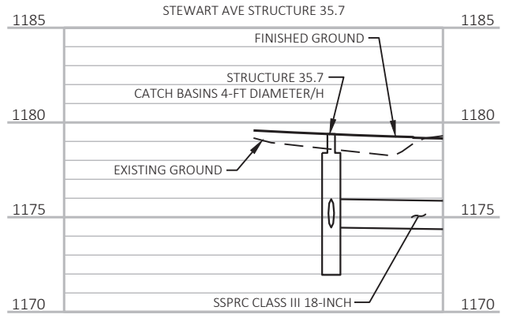
STEWART AVE STRUCTURE 35.8 - STRUCTURE 35.7



STEWART AVE STRUCTURE 35.3

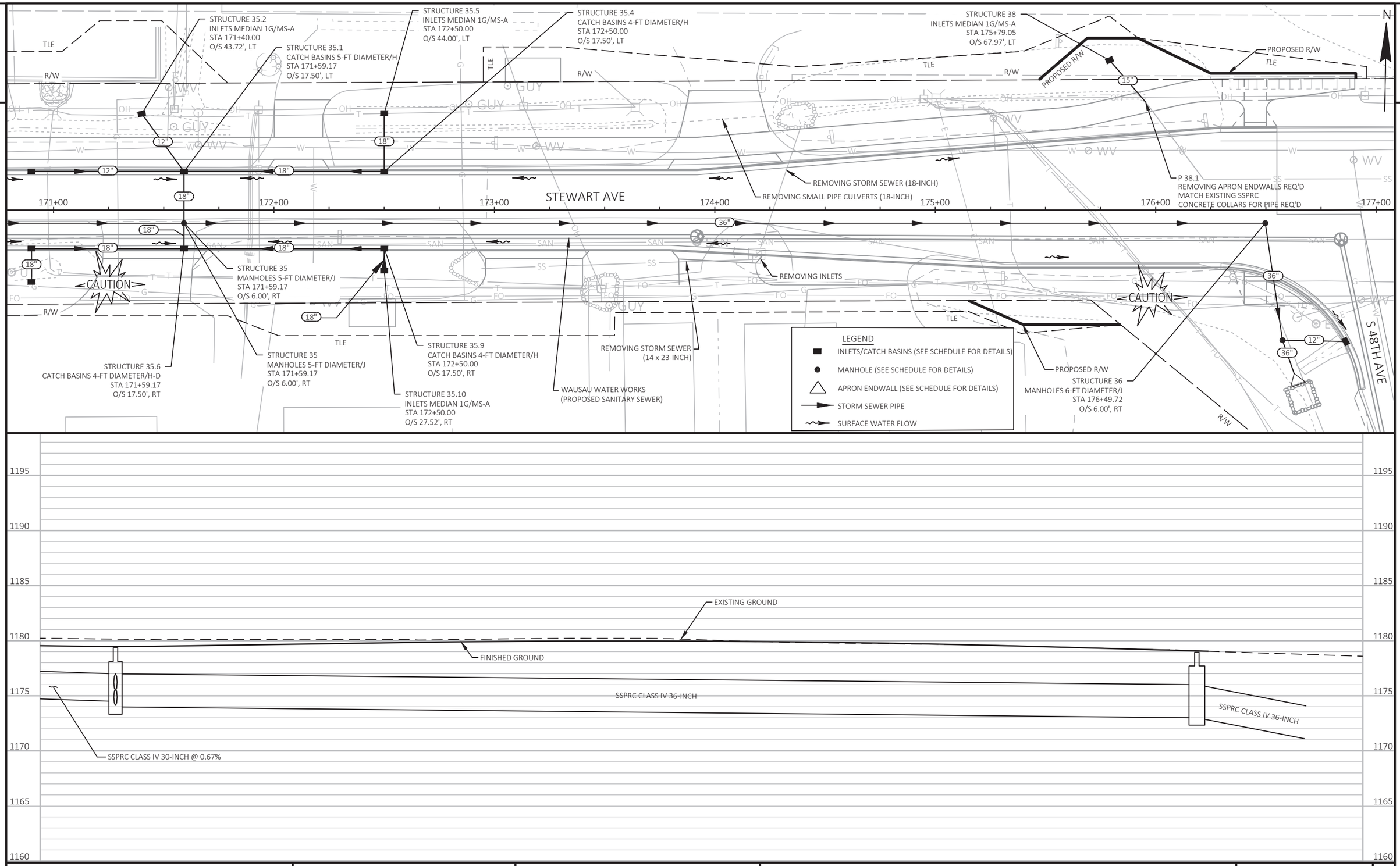


STEWART AVE STRUCTURE 35.7



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	STORM SEWER	SHEET 84	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 12 (2)
PLOT DATE : 10/31/2023 7:51 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

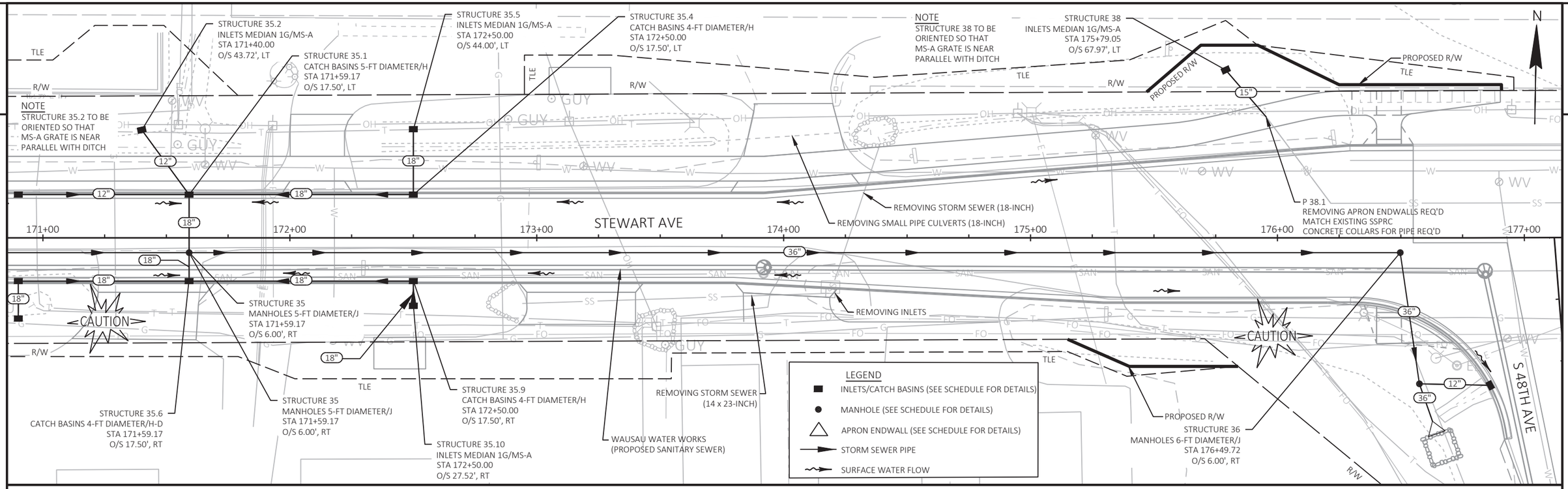


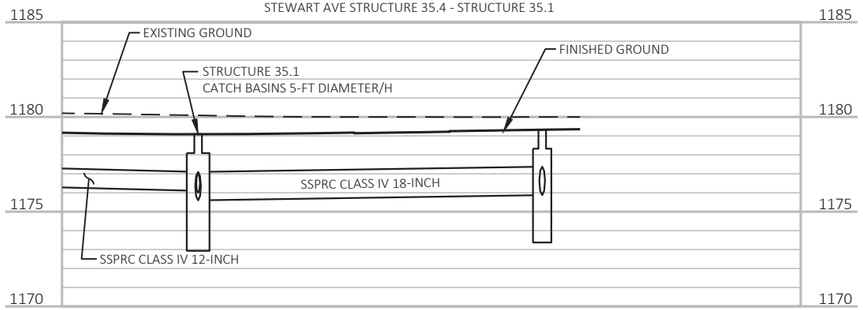
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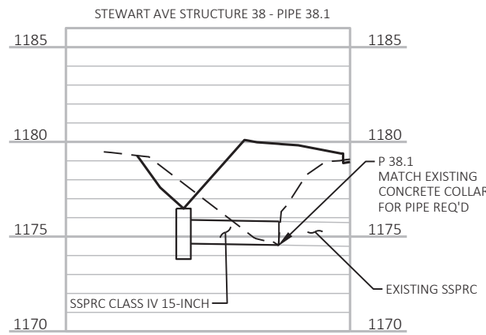
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LAYOUT NAME - 13

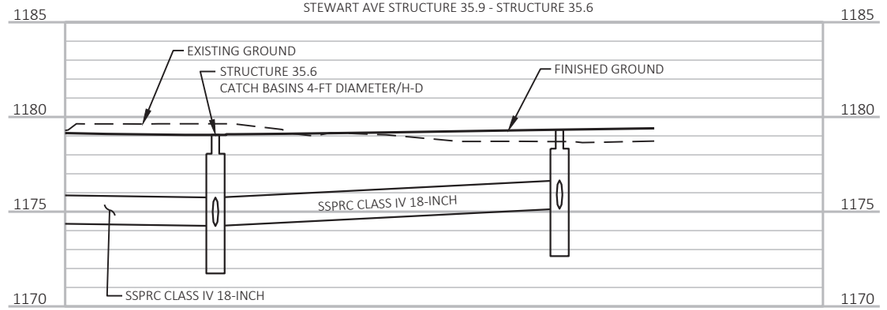
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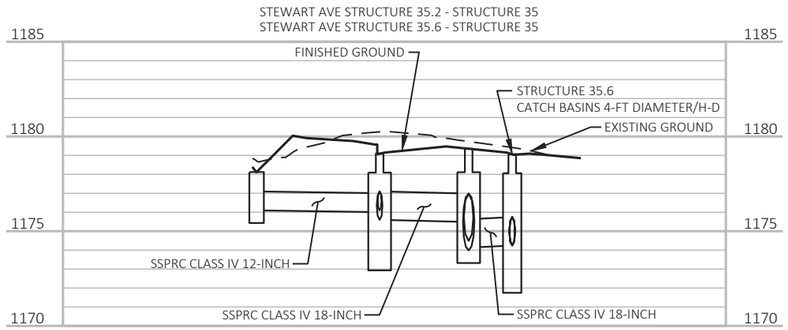
WISDOT/CADDS SHEET 41

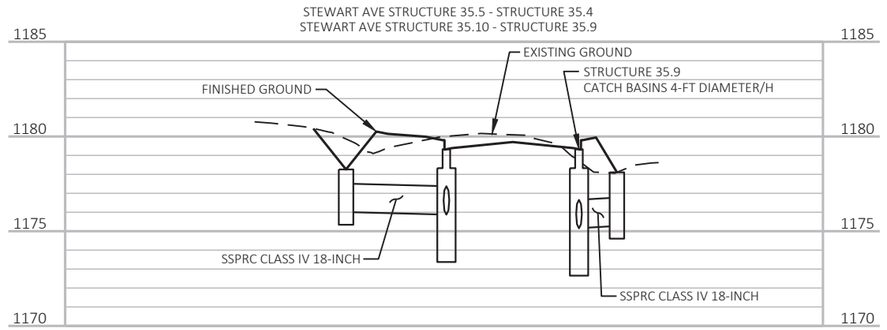












PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	STORM SEWER	SHEET 86	E

LEGEND
- INLETS/CATCH BASINS (SEE SCHEDULE FOR DETAILS)
- MANHOLE (SEE SCHEDULE FOR DETAILS)
- APRON ENDWALL (SEE SCHEDULE FOR DETAILS)
- STORM SEWER PIPE
- SURFACE WATER FLOW

STH 29 WB

R/W

PROPOSED R/W

STRUCTURE 37
MANHOLES 6-FT DIAMETER/J
STA 79+45.29
O/S 59.13', LT

STRUCTURE 37.1
APRON ENDWALLS FOR CPRC 36-INCH
STA 79+31.04
O/S 55.19', LT

STRUCTURE 37.2
CATCH BASINS 2x3-FT/H
STA 79+42.45
O/S 30.58', LT

CAUTION

STA 78+05, LT
REMOVE 1-24" CMCP
1-CULVERT PIPE REINFORCED CONCRETE CLASS III 36-INCH REQ'D
2-AEW FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH REQ'D
INVERT UPSTREAM: 1171.51
INVERT DOWNSTREAM: 1171.02

36"
12"

STEWART AVE

176+00

177+00

R R/W

PROPOSED R/W

15"

TILE

PROPOSED R/W

79+00

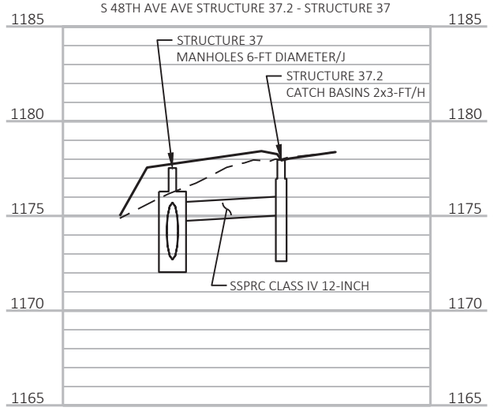
78+00

S 48TH AVE

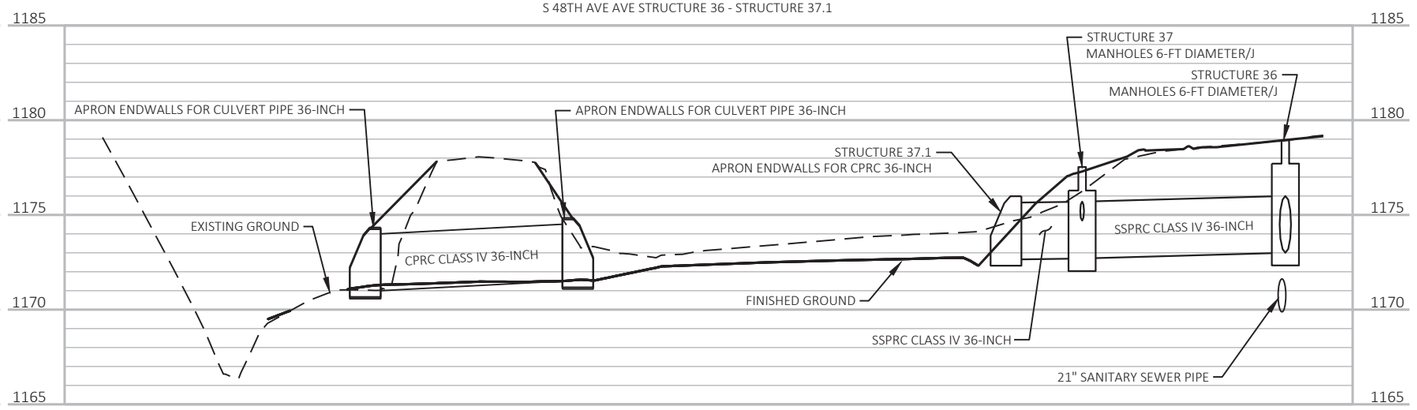
WAUSAU WATER WORKS
(PROPOSED SANITARY SEWER)

N

S 48TH AVE AVE STRUCTURE 37.2 - STRUCTURE 37



S 48TH AVE AVE STRUCTURE 36 - STRUCTURE 37.1

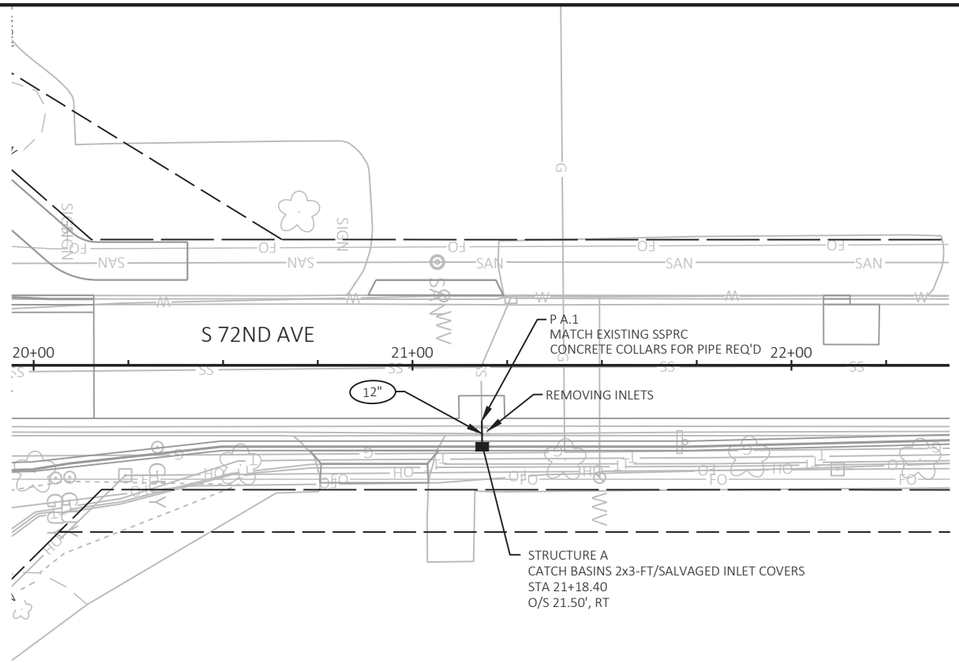


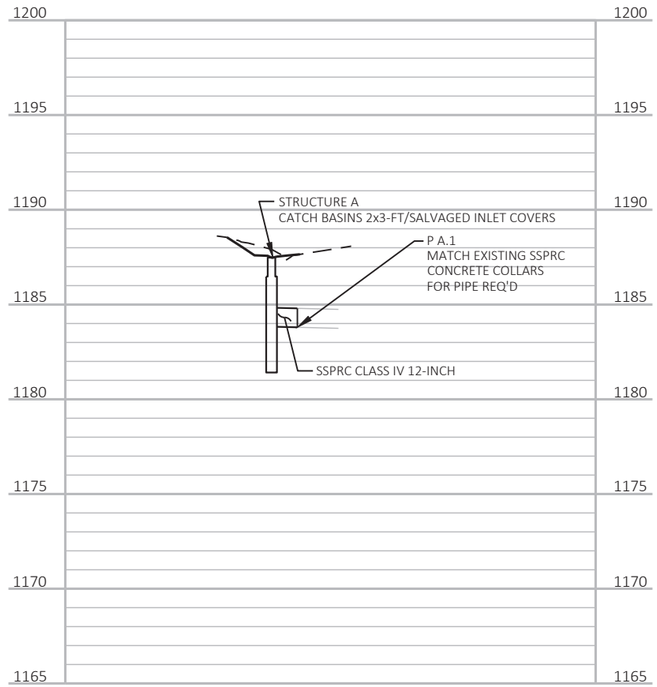
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	STORM SEWER	SHEET 87	E

2

LEGEND

- INLETS/CATCH BASINS (SEE SCHEDULE FOR DETAILS)
- MANHOLE (SEE SCHEDULE FOR DETAILS)
- APRON ENDWALL (SEE SCHEDULE FOR DETAILS)
- STORM SEWER PIPE
- SURFACE WATER FLOW





PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	STORM SEWER	SHEET 88	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 01 (2)

PLOT DATE : 10/31/2023 7:52 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

STORM SEWER SCHEDULE

STRUCT OR PIPE NO.	STATION	(1) OFFSET	SIDE	C-C (FT)	TO STRUCT OR PIPE	INLET TYPE / COVER	(2) RIM/ GRATE ELEV.	(3) T.O.S. ELEV.	(4) DEPTH (FT)	DISCHARGE PIPE CLASS	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	(5) LENGTH (FT)	(6) SLOPE (%)	REMARKS
1	99+23.00	36.00	LT	57.0	2	INLETS MEDIAN 1G/MS-A	1185.94	1185.94	3.45	III	18	1182.49	1182.21	53.6	0.53	MS-A COVER, NO SLOPE
2	99+79.99	36.41	LT	21.0	P 2.1	CATCH BASINS 4-FT DIAMETER/H	1186.76	1185.76	5.56	IV	18	1182.21	1181.92	19.0	1.50	MATCH EXISTING AT P 2.1, CONCRETE COLLARS FOR PIPE REQ'D
P 3.1	--	--	LT	41.5	3	--	--	--	--	III	24	1181.28	1181.01	39.5	0.65	MATCH EXISTING AT P 3.1, CONCRETE COLLARS FOR PIPE REQ'D
3	100+84.67	35.02	LT	8.0	P 3.2	CATCH BASINS 4-FT DIAMETER/H	1186.48	1185.48	6.47	III	24	1181.01	1180.95	6.0	1.03	MATCH EXISTING AT P 3.2, CONCRETE COLLARS FOR PIPE REQ'D
P 4.1	--	--	LT	8.0	4	--	--	--	--	III	24	1180.29	1180.23	6.0	1.03	MATCH EXISTING AT P 4.1, CONCRETE COLLARS FOR PIPE REQ'D
4	101+86.00	31.94	LT	79.5	4.1	MANHOLES 5-FT DIAMETER/J	1188.12	1186.88	6.64	III	24	1180.23	1179.62	77.5	0.79	
4.1	102+17.04	41.24	RT	--	--	--	--	--	--	--	24	1179.62	--	--	--	(7) APRON ENDWALL REQ'D
6	105+00.00	17.50	LT	30.9	6.1	CATCH BASINS 2x3-FT/H	1187.05	1186.05	6.01	III	12	1182.04	1181.11	29.9	3.10	
6.1	105+00.00	48.42	LT	--	--	--	--	--	--	--	12	--	--	--	--	(7) APRON ENDWALL REQ'D
7	106+14.18	17.50	LT	27.7	7.1	CATCH BASINS 2x3-FT/H	1186.62	1185.62	5.34	III	18	1182.28	1181.45	26.7	3.11	
7.1	106+14.11	45.21	LT	--	--	--	--	--	--	--	18	--	--	--	--	(7) APRON ENDWALL REQ'D
8	107+05.00	17.50	LT	43.7	8.1	CATCH BASINS 5-FT DIAMETER/H	1186.83	1185.83	6.11	III	30	1181.72	1181.63	41.2	0.21	
8.1	106+74.50	48.82	LT	--	--	--	--	--	--	--	30	--	--	--	--	(7) APRON ENDWALL REQ'D
9	108+00.00	17.50	LT	95.0	8	CATCH BASINS 5-FT DIAMETER/H	1187.12	1186.12	6.21	IV	30	1181.91	1181.72	90.0	0.21	
9.1	108+00.00	39.15	LT	21.7	9	INLETS MEDIAN 1G/MS-A	1186.58	1186.58	2.96	III	12	1183.62	1183.41	17.7	1.23	MS-A COVER, NO SLOPE
10	109+00.00	17.50	LT	100.0	9	CATCH BASINS 5-FT DIAMETER/H	1187.42	1186.42	6.31	IV	30	1182.11	1181.91	95.0	0.21	
10.1	109+00.00	46.60	LT	29.1	10	INLETS MEDIAN 2G/MS-A	1185.02	1185.02	2.50	III	24	1182.52	1182.37	25.2	0.58	MS-A COVER, NO SLOPE
11	110+80.15	17.50	LT	180.2	10	CATCH BASINS 5-FT DIAMETER/H	1187.96	1186.96	6.49	IV	30	1182.47	1182.11	175.2	0.21	
11.1	110+80.00	42.64	LT	25.1	11	INLETS MEDIAN 1G/MS-A	1186.57	1186.57	2.35	III	12	1184.22	1183.97	21.2	1.18	MS-A COVER, NO SLOPE
12	112+55.00	17.50	LT	175.0	11	CATCH BASINS 6-FT DIAMETER/H	1188.48	1187.48	6.66	IV	30	1182.82	1182.47	169.5	0.21	
12.1	112+70.00	47.70	LT	33.7	12	--	--	--	--	III	30	1183.06	1182.82	30.7	0.80	(7) APRON ENDWALL REQ'D
13	115+25.00	17.50	LT	270.0	12	CATCH BASINS 2x3-FT/H	1190.86	1189.86	4.72	IV	12	1187.14	1184.38	265.0	1.04	
A	21+18.40	21.50	RT	6.8	P A.1	CATCH BASINS 2x3-FT/SALVAGED INLET COVERS	1187.53	1186.53	4.70	IV	12	1183.83	1183.80	5.8	0.58	MATCH EXISTING AT P A.1, CONCRETE COLLARS FOR PIPE REQ'D
B	99+98.13	83.94	RT	19.8	B.1	CATCH BASINS 2x3-FT/H	1187.30	1187.30	4.41	III	12	1184.89	1184.82	18.8	0.38	
B.1	99+78.70	87.48	RT	--	--	--	--	--	--	--	12	1184.82	--	--	--	(7) APRON ENDWALL REQ'D
14	119+08.27	56.76	LT	23.9	14.1	CATCH BASINS 5-FT DIAMETER/H	1202.15	1201.15	6.96	III	30	1196.19	1195.71	18.9	2.53	
14.1	118+84.40	56.53	LT	49.0	14.2	MANHOLES 5-FT DIAMETER/J	1201.63	1200.39	4.68	III	30	1195.71	1194.73	46.5	2.11	
14.2	118+35.70	51.44	LT	--	--	--	--	--	--	--	30	1194.73	--	--	--	(7) APRON ENDWALL REQ'D
15	119+34.03	43.49	LT	29.0	14	INLETS MEDIAN 2G/MS-A	1200.62	1200.62	2.94	III	24	1197.68	1197.15	25.0	2.12	2 - MS-A COVERS, TWO SLOPE
16	119+50.00	17.50	LT	30.5	15	CATCH BASINS 4-FT DIAMETER/H	1204.21	1203.21	6.46	III	12	1198.75	1198.14	27.1	2.25	
17	122+25.00	17.50	LT	275.0	16	CATCH BASINS 2x3-FT/H	1215.32	1214.32	5.32	IV	12	1211.00	1200.00	271.5	4.05	
18	124+75.00	17.50	LT	48.0	18.1	CATCH BASINS 2x3-FT/H	1225.25	1224.25	5.47	III	12	1220.78	1220.63	47.0	0.31	
18.1	124+75.00	30.54	RT	--	--	--	--	--	--	--	12	--	--	--	--	(7) APRON ENDWALL REQ'D
19	127+25.00	17.50	LT	48.3	19.1	CATCH BASINS 2x3-FT/H	1229.90	1228.90	5.42	III	12	1225.48	1225.33	47.3	0.31	
19.1	127+25.00	30.82	RT	--	--	--	--	--	--	--	12	--	--	--	--	(7) APRON ENDWALL REQ'D
20	132+00.00	17.50	LT	48.4	20.1	CATCH BASINS 2x3-FT/H	1228.07	1227.07	5.41	III	12	1223.66	1223.51	47.4	0.31	
20.1	132+00.00	30.89	RT	--	--	--	--	--	--	--	12	--	--	--	--	(7) APRON ENDWALL REQ'D
21	134+50.00	17.50	LT	49.9	21.1	CATCH BASINS 2x3-FT/H	1222.14	1221.14	5.47	III	12	1217.67	1217.52	48.9	0.30	
21.1	134+50.00	32.37	RT	--	--	--	--	--	--	--	12	--	--	--	--	(7) APRON ENDWALL REQ'D
22	137+00.00	17.50	LT	49.7	22.1	CATCH BASINS 2x3-FT/H	1216.12	1215.12	5.48	III	12	1211.64	1211.49	48.7	0.31	
22.1	137+00.00	32.25	RT	--	--	--	--	--	--	--	12	--	--	--	--	(7) APRON ENDWALL REQ'D
23	139+44.47	17.50	LT	50.2	23.2	CATCH BASINS 4-FT DIAMETER/H	1212.24	1211.24	6.37	III	24	1206.87	1206.67	48.2	0.42	
23.1	139+44.55	47.52	LT	30.0	23	--	--	--	--	III	24	1207.33	1206.88	28.0	1.60	(7) APRON ENDWALL REQ'D
23.2	139+44.50	32.69	RT	--	--	--	--	--	--	--	24	1206.67	--	--	--	(7) APRON ENDWALL REQ'D
23.3	139+65.00	11.50	LT	21.4	23	MANHOLES 4-FT DIAMETER/J	1212.11	1210.87	3.98	IV	15	1206.89	1206.82	16.9	0.41	
24	142+20.00	17.50	LT	255.1	23.3	MANHOLES 4-FT DIAMETER/J	1210.92	1209.92	4.27	IV	15	1207.65	1206.89	251.1	0.30	
24.1	142+20.00	17.50	LT	11.5	24.0	CATCH BASINS 4-FT DIAMETER/H	1210.72	1209.72	2.03	IV	15	1207.69	1207.65	8.0	0.50	
24.2	142+05.00	17.50	LT	15.0	24.1	CATCH BASINS 4-FT DIAMETER/H	1210.72	1209.72	3.97	IV	15	1207.75	1207.70	11.0	0.41	
25.1	147+70.00	47.70	LT	41.7	25	INLETS MEDIAN 1G/MS-A	1204.42	1204.42	1.43	IV	12	1202.98	1202.86	38.3	0.33	MS-A COVER, NO SLOPE
25	147+70.00	6.00	LT	260.0	26.4	MANHOLES 4-FT DIAMETER/J	1208.67	1207.43	6.57	IV	12	1202.86	1202.08	256.0	0.30	
26	150+30.00	6.00	RT	210.0	27	MANHOLES 5-FT DIAMETER/J	1206.21	1204.97	4.39	IV	24	1200.58	1198.48	205.0	1.03	
26.1	150+30.00	17.50	LT	11.5	26.4	CATCH BASINS 4-FT DIAMETER/H	1206.01	1205.01	5.37	IV	18	1201.64	1201.58	7.5	0.76	
26.2	150+30.00	42.72	LT	25.2	26.1	INLETS MEDIAN 1G/MS-A	1204.96	1204.96	3.06	IV	18	1201.90	1201.64	22.0	1.18	MS-A COVER, NO SLOPE
26.3	150+10.00	33.53	RT	34.0	26	INLETS MEDIAN 2G/MS-A	1202.93	1202.93	2.01	IV	15	1200.92	1200.58	30.3	1.12	2 - MS-A COVERS, NO SLOPE
26.4	150+30.00	6.00	LT	12.0	26	MANHOLES 4-FT DIAMETER/J	1206.21	1204.97	3.39	IV	18	1201.58	1201.52	7.5	0.80	
27	152+40.00	6.00	RT	200.0	28	MANHOLES 5-FT DIAMETER/J	1204.22	1202.98	4.50	IV	24	1198.48	1196.48	195.0	1.03	
27.1	152+40.00	17.50	LT	23.5	27	CATCH BASINS 2x3-FT/H	1204.02	1203.02	5.97	IV	18	1199.05	1198.94	20.0	0.59	
27.2	152+42.20	43.93	LT	26.5	27.1	INLETS MEDIAN 1G/MS-A	1202.65	1202.65	3.46	IV	18	1199.19	1199.05	24.2	0.54	MS-A COVER, NO SLOPE
27.3	152+78.23	56.44	LT	38.1	27.2	CATCH BASINS 2x3-FT/H	1202.84	1201.84	4.46	IV	18	1199.38	1199.19	35.8	0.53	
27.4	153+10.44	55.86	LT	32.2	27.3	CATCH BASINS 2x3-FT/H-D	1202.81	1201.81	4.27	IV	18	1199.54	1199.38	30.2	0.53	
27.5	152+40.00	17.50	RT	11.5	27	CATCH BASINS 2x3-FT/H	1204.02	1203.02	5.97	IV	18	1199.05	1198.94	8.0	1.43	

(1) STRUCTURE OFFSET IS TO CENTER OF STRUCTURE
(2) RIM ELEVATION SHOWN AT CURB FLANGE FOR TYPE H COVERS. RIM ELEVATION SHOWN AT CENTER OF STRUCTURE FOR TYPE C, J, AND MS-A COVERS.
(3) TOP OF STRUCTURE ELEVATION (T.O.S.) IS DETERMINED BY SUBTRACTING THE CASTING HEIGHT AND 6-INCHES FOR ADJUSTMENT, FROM THE RIM ELEVATION. TYPE H INLET CASTING IS 6-INCHES IN HEIGHT. TYPE C INLET CASTING IS 9-INCHES IN HEIGHT. TYPE J MANHOLE CASTING IS 9-INCHES IN HEIGHT. FOR MEDIAN 1 GRATE AND MEDIAN 2 GRATE INLETS, THE T.O.S. ELEVATION IS EQUAL TO THE RIM/GRATE ELEVATION.
(4) DEPTH OF STRUCTURE IS MEASURED BY SUBTRACTING INVERT ELEVATION FROM T.O.S. DEPTH INCLUDES 2-FT SUMP FOR ALL CATCH BASIN STRUCTURES.
(5) PIPE LENGTH IS MEASURED FROM INSIDE WALL OF STRUCTURE TO INSIDE WALL OF STRUCTURE OR INSIDE WALL OF STRUCTURE TO THE EXISTING PIPE CONNECTION. PAYMENT IS C-C PER STANDARD SPEC.
(6) PIPE SLOPE IS CALCULATED USING ((INLET ELEVATION - DISCHARGE ELEVATION) / PIPE LENGTH)*100
(7) STATION AT ENDWALL IS TO THE BEGINING OF ENDWALL/END OF NORMAL PIPE

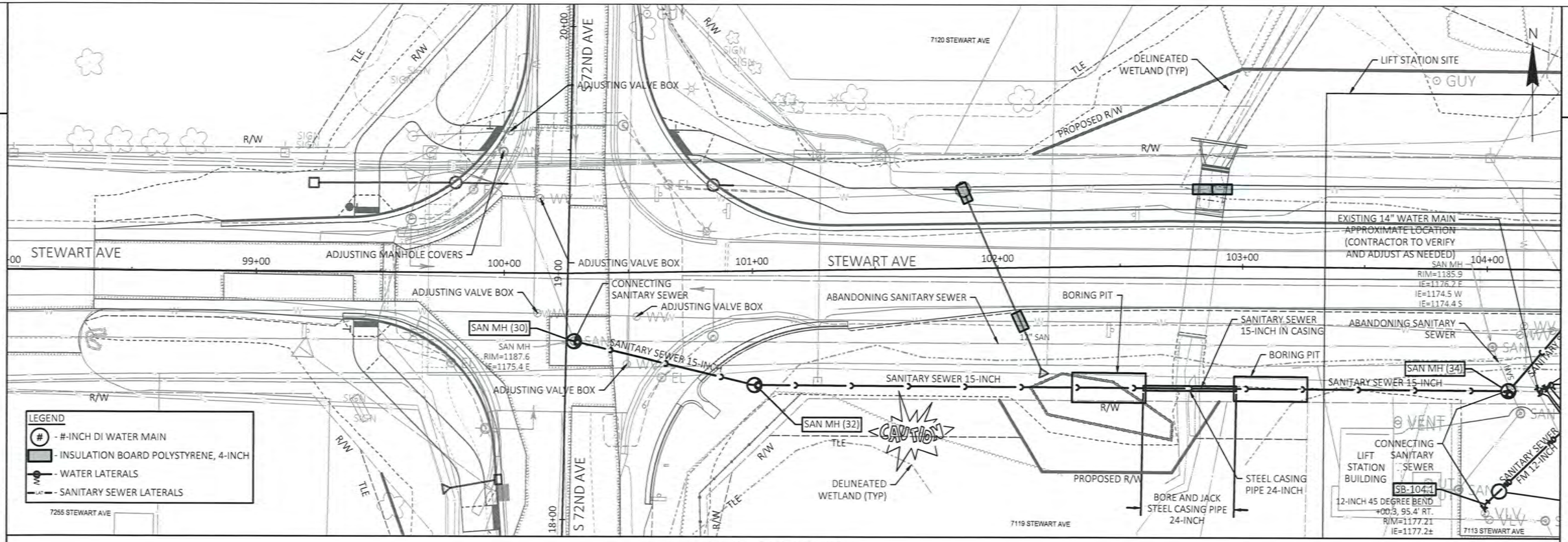
2

STORM SEWER SCHEDULE

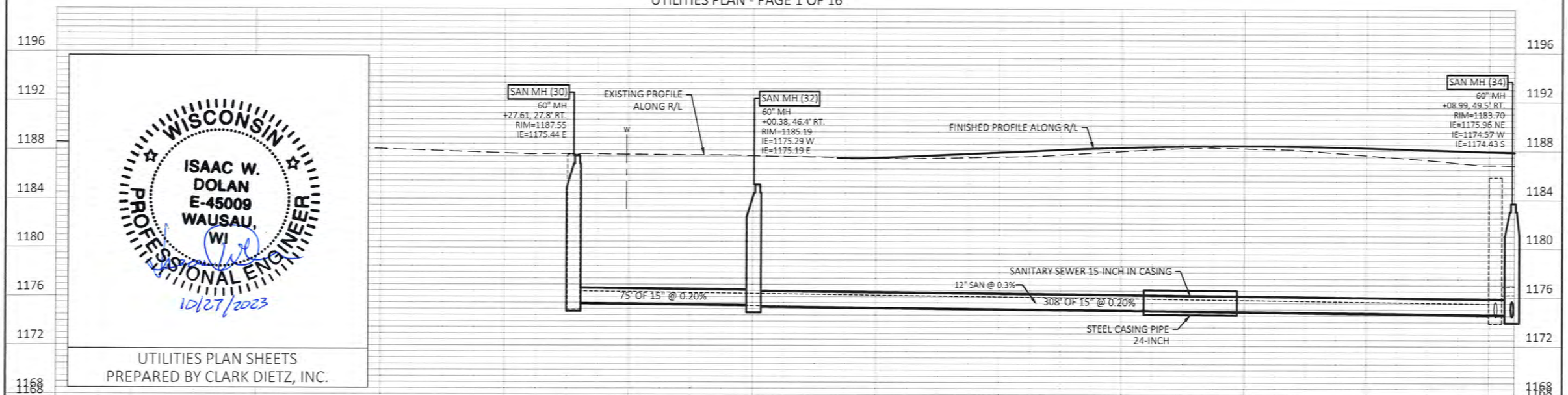
STRUCT OR PIPE NO.	STATION	(1) OFFSET	SIDE	C-C (FT)	TO STRUCT OR PIPE	INLET TYPE / COVER	(2) RIM/ GRATE ELEV.	(3) T.O.S. ELEV.	(4) DEPTH (FT)	DISCHARGE PIPE CLASS	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	(5) LENGTH (FT)	(6) SLOPE (%)	REMARKS
28	154+40.00	6.00	RT	210.0	29	MANHOLES 5-FT DIAMETER/J	1201.85	1200.61	4.13	IV	24	1196.48	1194.38	205.0	1.02	
28.1	154+40.00	17.50	LT	23.5	28	CATCH BASINS 2x3-FT/H	1201.65	1200.65	4.94	IV	12	1197.71	1197.48	20.0	1.17	
29	156+50.00	6.00	RT	150.0	30	MANHOLES 5-FT DIAMETER/J	1199.27	1198.03	3.65	IV	24	1194.38	1193.63	145.0	0.52	
29.1	156+50.00	17.50	LT	23.5	29	CATCH BASINS 2x3-FT/H	1199.07	1198.07	5.00	IV	18	1195.07	1194.84	20.0	1.17	
29.2	156+60.00	17.50	LT	10.0	29.1	CATCH BASINS 2x3-FT/H	1198.92	1197.92	4.72	IV	12	1195.20	1195.10	7.0	1.43	
29.3	156+50.00	17.50	RT	11.5	29	CATCH BASINS 2x3-FT/H	1199.07	1198.07	4.62	IV	12	1195.45	1195.34	8.0	1.44	
30	158+01.00	6.00	RT	250.0	31	MANHOLES 5-FT DIAMETER/J	1198.59	1197.35	3.72	IV	24	1193.63	1192.38	245.0	0.51	
30.1	158+01.00	17.50	LT	23.5	30	CATCH BASINS 2x3-FT/H	1198.39	1197.39	5.07	IV	18	1194.32	1194.09	20.0	1.17	
30.2	157+86.00	17.50	LT	15.0	30.1	CATCH BASINS 2x3-FT/H	1198.33	1197.33	4.36	IV	12	1194.97	1194.82	12.0	1.25	
30.3	158+16.00	17.50	LT	15.0	30.1	CATCH BASINS 2x3-FT/H	1198.33	1197.33	4.36	IV	12	1194.97	1194.82	12.0	1.25	
30.4	158+01.00	17.50	RT	11.5	30	CATCH BASINS 2x3-FT/H	1198.39	1197.39	4.69	IV	12	1194.70	1194.59	8.0	1.42	
31	160+50.00	6.00	RT	500.0	32	MANHOLES 5-FT DIAMETER/J	1199.62	1198.38	6.00	III	24	1192.38	1189.88	495.0	0.51	
31.1	160+50.00	17.50	LT	23.5	31	CATCH BASINS 2x3-FT/H	1199.41	1198.41	6.84	III	12	1193.57	1193.34	20.0	1.17	
31.2	160+50.00	17.50	RT	11.5	31	CATCH BASINS 2x3-FT/H	1199.41	1198.41	6.96	III	12	1193.45	1193.34	8.0	1.44	
32	165+50.00	6.00	RT	200.1	33	MANHOLES 5-FT DIAMETER/J	1196.80	1195.56	5.69	IV	24	1189.88	1183.88	195.2	3.07	
32.1	165+50.00	17.50	LT	23.5	32	CATCH BASINS 2x3-FT/H	1196.60	1195.60	6.53	III	12	1191.07	1190.84	20.0	1.17	
32.2	165+50.00	43.00	LT	25.5	32.1	INLETS MEDIAN 1G/MS-A	1196.33	1196.33	5.01	III	12	1191.33	1191.07	23.3	1.10	MS-A COVER, NO SLOPE
32.3	165+50.00	17.50	RT	11.5	32	CATCH BASINS 2x3-FT/H	1196.60	1195.60	6.65	III	12	1190.95	1190.84	8.0	1.44	
33	167+50.00	6.00	RT	200.1	34	MANHOLES 5-FT DIAMETER/J	1189.20	1187.96	4.08	IV	24	1183.88	1176.38	195.2	3.84	
33.1	167+50.00	17.50	LT	23.5	33	CATCH BASINS 2x3-FT/H	1189.00	1188.00	4.93	IV	12	1185.07	1184.84	20.0	1.17	
33.2	167+50.00	17.50	RT	11.5	33	CATCH BASINS 2x3-FT/H	1189.00	1188.00	5.05	IV	12	1184.95	1184.84	8.0	1.44	
34	169+50.00	6.00	RT	209.2	35	MANHOLES 5-FT DIAMETER/J	1182.03	1180.79	4.90	IV	30	1175.88	1174.48	204.2	0.69	
34.1	169+50.00	17.50	LT	23.5	34	CATCH BASINS 2x3-FT/H	1181.83	1180.83	5.21	IV	12	1177.62	1177.38	20.0	1.17	
34.2	169+50.00	45.51	LT	28.0	34.1	--	--	--	--	IV	12	1178.50	1177.62	27.0	3.26	(7) APRON ENDWALL REQ'D
34.3	169+50.00	17.50	RT	11.5	34	CATCH BASINS 2x3-FT/H	1181.83	1180.83	5.83	IV	18	1177.00	1176.88	8.0	1.43	
35	171+59.17	6.00	RT	490.5	36	MANHOLES 5-FT DIAMETER/J	1179.35	1178.11	4.13	IV	36	1173.98	1173.00	485.5	0.20	
35.1	171+59.17	17.50	LT	23.5	35	CATCH BASINS 5-FT DIAMETER/H	1179.15	1178.15	4.55	IV	18	1175.60	1175.48	20.0	0.58	
35.2	171+40.00	43.72	LT	32.5	35.1	INLETS MEDIAN 1G/MS-A	1178.12	1178.12	2.02	IV	12	1176.10	1176.00	28.6	0.35	MS-A COVER, NO SLOPE
35.3	170+90.00	17.50	LT	69.2	35.1	CATCH BASINS 2x3-FT/H	1179.45	1178.45	4.00	IV	12	1176.45	1176.10	65.2	0.53	
35.4	172+50.00	17.50	LT	90.8	35.1	CATCH BASINS 4-FT DIAMETER/H	1179.39	1178.39	4.52	IV	18	1175.87	1175.60	86.3	0.32	
35.5	172+50.00	44.00	LT	26.5	35.4	INLETS MEDIAN 1G/MS-A	1178.26	1178.26	2.25	IV	18	1176.01	1175.87	23.1	0.57	MS-A COVER, NO SLOPE
35.6	171+59.17	17.50	RT	12.0	35	CATCH BASINS 4-FT DIAMETER/H-D	1179.15	1178.15	5.91	IV	18	1174.25	1174.13	7.5	1.60	
35.7	170+90.00	17.50	RT	69.2	35.6	CATCH BASINS 4-FT DIAMETER/H	1179.45	1178.45	6.00	IV	18	1174.45	1174.25	65.2	0.32	
35.8	170+90.00	32.64	RT	15.1	35.7	INLETS MEDIAN 1G/MS-A	1176.46	1176.46	1.96	IV	18	1174.50	1174.45	11.7	0.40	MS-A COVER, NO SLOPE
35.9	172+50.00	17.50	RT	90.8	35.6	CATCH BASINS 4-FT DIAMETER/H	1179.39	1178.39	5.24	IV	18	1175.15	1174.25	86.8	1.05	
35.10	172+50.00	27.52	RT	10.0	35.9	INLETS MEDIAN 1G/MS-A	1178.11	1178.11	2.84	IV	18	1175.27	1175.15	6.6	1.79	MS-A COVER, NO SLOPE
36	176+49.72	6.00	RT	53.6	37	MANHOLES 6-FT DIAMETER/J	1178.95	1177.71	4.70	IV	36	1173.00	1172.70	47.6	0.63	
37	79+45.29	59.13	LT	16.0	37.1	MANHOLES 6-FT DIAMETER/J	1177.29	1176.05	3.35	IV	36	1172.70	1172.65	13.0	0.38	
37.1	79+31.04	55.19	LT	--	--	--	--	--	--	--	36	1172.74	--	--	--	(7) APRON ENDWALL REQ'D
37.2	79+42.45	30.58	LT	28.7	37	CATCH BASINS 2x3-FT/H	1178.01	1177.01	3.98	IV	12	1175.03	1174.70	24.7	1.32	
38	175+79.05	67.97	LT	25.2	P 38.1	INLETS MEDIAN 1G/MS-A	1176.48	1176.48	1.84	IV	15	1174.63	1174.55	23.8	0.35	MATCH EXISTING AT P 38.1, CONCRETE COLLARS FOR PIPE REQ'D; MS-A COVER, NO SLOPE

(1) STRUCTURE OFFSET IS TO CENTER OF STRUCTURE
(2) RIM ELEVATION SHOWN AT CURB FLANGE FOR TYPE H COVERS. RIM ELEVATION SHOWN AT CENTER OF STRUCTURE FOR TYPE C, J, AND MS-A COVERS.
(3) TOP OF STRUCTURE ELEVATION (T.O.S.) IS DETERMINED BY SUBTRACTING THE CASTING HEIGHT AND 6-INCHES FOR ADJUSTMENT, FROM THE RIM ELEVATION. TYPE H INLET CASTING IS 6-INCHES IN HEIGHT. TYPE C INLET CASTING IS 9-INCHES IN HEIGHT. TYPE J MANHOLE CASTING IS 9-INCHES IN HEIGHT.
FOR MEDIAN 1 GRATE AND MEDIAN 2 GRATE INLETS, THE T.O.S. ELEVATION IS EQUAL TO THE RIM/GRATE ELEVATION.
(4) DEPTH OF STRUCTURE IS MEASURED BY SUBTRACTING INVERT ELEVATION FROM T.O.S. DEPTH INCLUDES 2-FT SUMP FOR ALL CATCH BASIN STRUCTURES.
(5) PIPE LENGTH IS MEASURED FROM INSIDE WALL OF STRUCTURE TO INSIDE WALL OF STRUCTURE OR INSIDE WALL OF STRUCTURE TO THE EXISTING PIPE CONNECTION. PAYMENT IS C-C PER STANDARD SPEC.
(6) PIPE SLOPE IS CALCULATED USING ((INLET ELEVATION - DISCHARGE ELEVATION) / PIPE LENGTH)*100
(7) STATION AT ENDWALL IS TO THE BEGINING OF ENDWALL/END OF NORMAL PIPE

2



UTILITIES PLAN - PAGE 1 OF 16

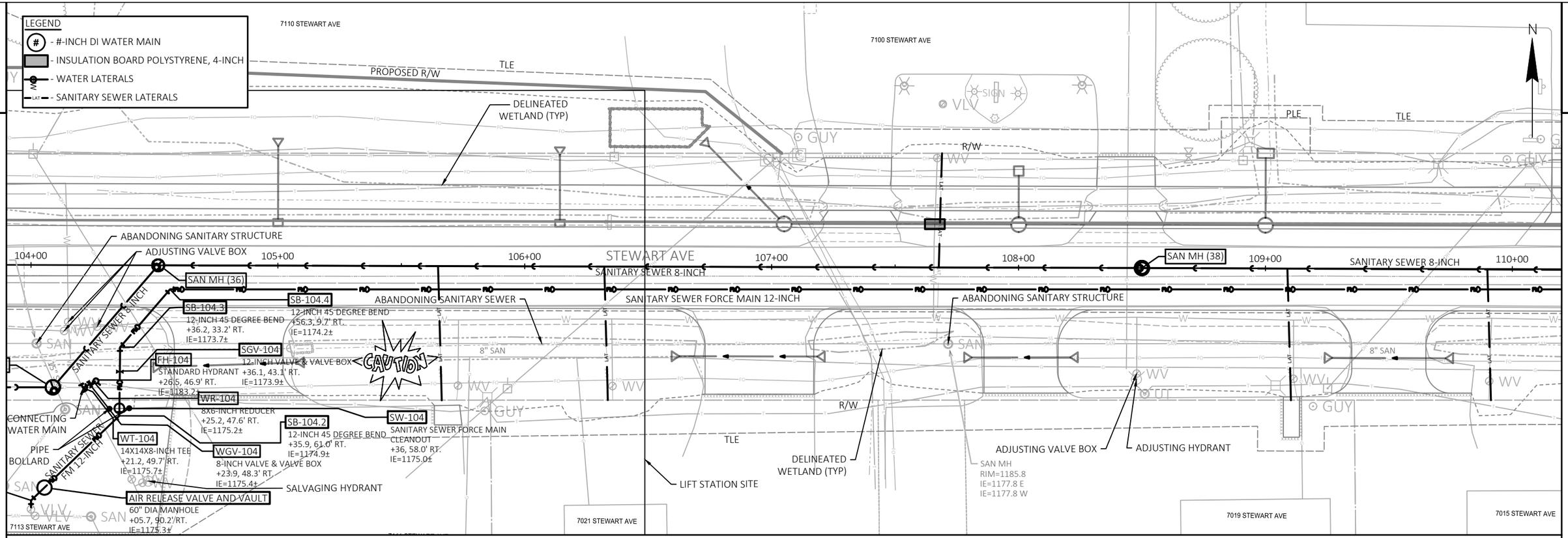


WISCONSIN
ISAAC W. DOLAN
E-45009
WAUSAU, WI
PROFESSIONAL ENGINEER
10/27/2023

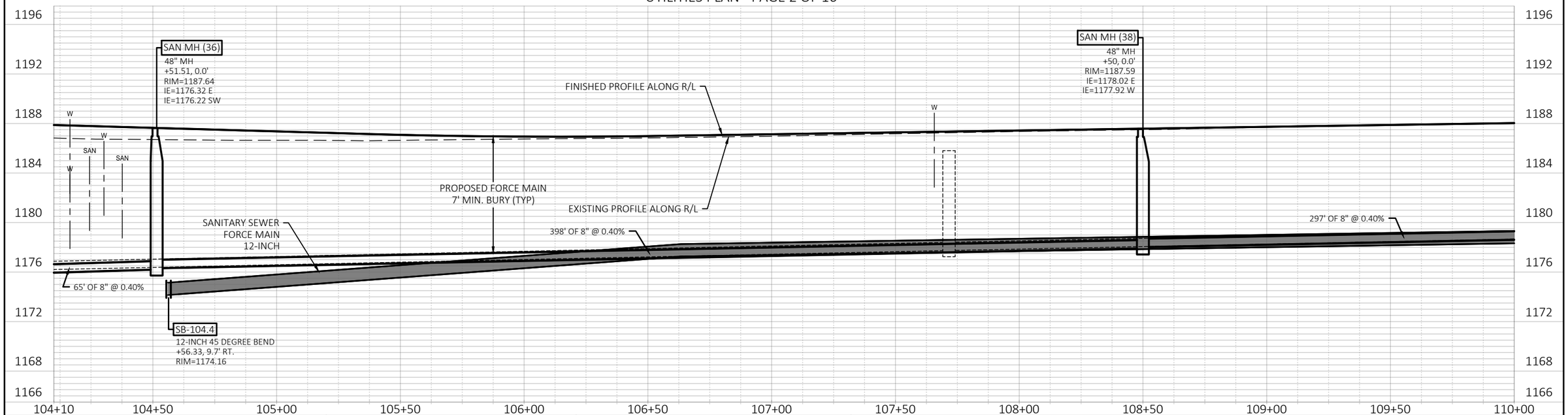
UTILITIES PLAN SHEETS
PREPARED BY CLARK DIETZ, INC.

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	UTILITIES PLAN	SHEET E

FILE NAME : P:\W0400070_WAUSAU - STEWARTAVE FORCE MAIN INTERCEPT\11-0 DRAWINGS\11-15 PLAN PRODUCTION SHEETS\PROJECT 1 - STREET RECONSTRUCTION\0501-PP (CDI).DWG
LAYOUT NAME - 1
PLOT DATE : 10/27/2023 7:41 PM
PLOT BY : ISAAC W. DOLAN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT



UTILITIES PLAN - PAGE 2 OF 16



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	UTILITIES PLAN	SHEET E

LEGEND

(#) - #-INCH DI WATER MAIN

- INSULATION BOARD POLYSTYRENE, 4-INCH

- WATER LATERALS

LAT - SANITARY SEWER LATERALS

DELINEATED WETLAND (TYP)

N

STEWART AVE

ABANDONING SANITARY STRUCTURE

ADJUSTING VALVE BOX

SAN MH
RIM=1185.9
IE=1176.2 E
IE=1174.5 W
IE=1174.4 S

104+00

105+00

106+00

SANITARY

SAN MH (36)

SB-104.4
12-INCH 45 DEGREE BEND
+56.3, 9.7' RT.
IE=1174.2±

SB-104.3
12-INCH 45 DEGREE BEND
+36.2, 33.2' RT.
IE=1173.7±

ABANDONING SANITARY SEWER

EXISTING 14" WATER MAIN
APPROXIMATE LOCATION (CONTRACTOR TO VERIFY AND ADJUST AS NEEDED)

ABANDONING SANITARY SEWER

SAN MH (34)

SANITARY SEWER 15-INCH

SANITARY SEWER 8-INCH

SGV-104
12-INCH VALVE & VALVE BOX
+36.1, 43.1' RT.
IE=1173.9±

FH-104
STANDARD HYDRANT
+26.5, 46.9' RT.
IE=1183.2±

8" SAN

CAUTION

WR-104
8X6-INCH REDUCER
+25.2, 47.6' RT.
IE=1175.2±

CONNECTING WATER MAIN

SB-104.2
12-INCH 45 DEGREE BEND
+35.9, 61.0' RT.
IE=1174.9±

SW-104
SANITARY SEWER FORCE MAIN CLEANOUT
+36, 58.0' RT.
IE=1175.0±

CONNECTING SANITARY SEWER

WT-104
14X14X8-INCH TEE
+21.2, 49.7' RT.
IE=1175.7±

PIPE BOLLARD

WGV-104
8-INCH VALVE & VALVE BOX
+23.9, 48.3' RT.
IE=1175.4±

LIFT STATION BUILDING

SB-104.1
12-INCH 45 DEGREE BEND
+00.3, 95.4' RT.
RIM=1177.21
IE=1177.2±

SALVAGING HYDRANT

AIR RELEASE VALVE AND VAULT
60" DIA MANHOLE
+05.7, 90.2' RT.
IE=1175.3±

7113 STEWART AVE

7111 STEWART AVE

7021 STEWART AVE

UTILITIES PLAN - PAGE 3 OF 16

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	UTILITIES PLAN - LIFT STATION SITE	SHEET E

FILE NAME : P:\W0400070_WAUSAU - STEWARTAVE FORCE MAIN INTERCEPT\11-0 DRAWINGS\11-15 PLAN PRODUCTION SHEETS\PROJECT 1 - STREET RECONSTRUCTION\0501-PP (CDI).DWG
LAYOUT NAME - 1
PLOT DATE : 10/27/2023 7:42 PM
PLOT BY : ISAAC W. DOLAN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

2

LEGEND
- (#) - #-INCH DI WATER MAIN
- - INSULATION BOARD POLYSTYRENE, 4-INCH
- W - WATER LATERALS
- LAT - SANITARY SEWER LATERALS

7000 STEWART AVE

6800 STEWART AVE

N

DELINEATED WETLAND (TYP)

PROPOSED R/W

TLE

R/W

110+00 SANITARY SEWER 8-INCH 111+00 SAN MH (40) 112+00 STEWART AVE 113+00 SANITARY SEWER 8-INCH 114+00 SAN MH (42) 115+00 SANITARY SEWER 8-INCH 116+00

SANITARY SEWER FORCE MAIN 12-INCH

CAUTION

ADJUSTING VALVE BOX

ADJUSTING HYDRANT

ABANDONING SANITARY SEWER

ABANDONING SANITARY STRUCTURE

DELINEATED WETLAND (TYP)

ABANDONING SANITARY STRUCTURE

DELINEATED WETLAND (TYP)
SB-115
12-INCH 11.25 DEGREE BEND
+57.9, 4.6' RT.
RIM=1182.02
IE=1182.0±

SAN MH
RIM=1187.1
IE=1179.2 E
IE=1180.1 N
IE=1179.2 W

SAN MH
RIM=1188.9
IE=1180.6 E
IE=1180.6 W

SB-114
12-INCH 11.25 DEGREE BEND
+92.9, 8.0' RT.
IE=1181.5±

7015 STEWART AVE

6815 STEWART AVE

6705 STEWART AVE

6701 STEWART AVE

2

UTILITIES PLAN - PAGE 4 OF 16

1196 1192 1188 1184 1180 1176 1172 1168 1166

SAN MH (40)
48" MH
+47.43, 0.0'
RIM=1188.48
IE=1179.31 E
IE=1179.21 W

SAN MH (42)
48" MH
+00, 0.0'
RIM=1190.77
IE=1180.82 E
IE=1180.72 W

W SAN

EXISTING PROFILE ALONG R/L

FINISHED PROFILE ALONG R/L

PROPOSED FORCE MAIN
7' MIN. BURY (TYP)

SANITARY SEWER
FORCE MAIN
12-INCH

6" SANITARY
INV=1180.4±

297' OF 8" @ 0.40%

353' OF 8" @ 0.40%

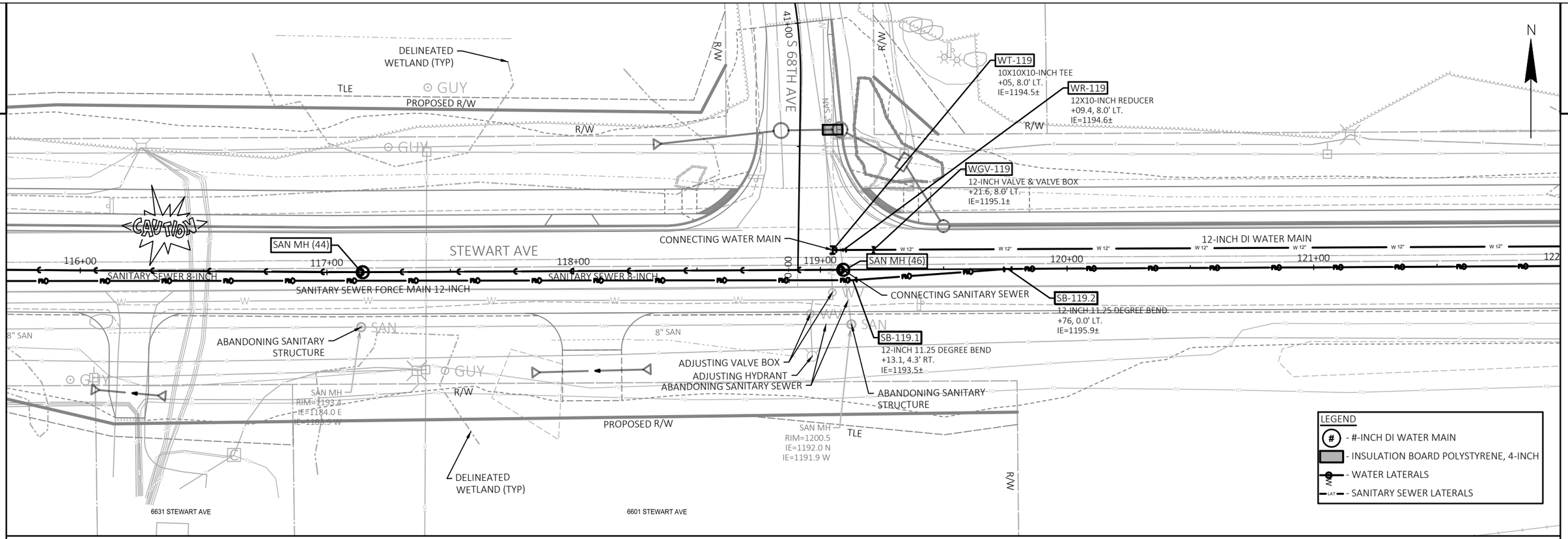
214' OF 8" @ 1.42%

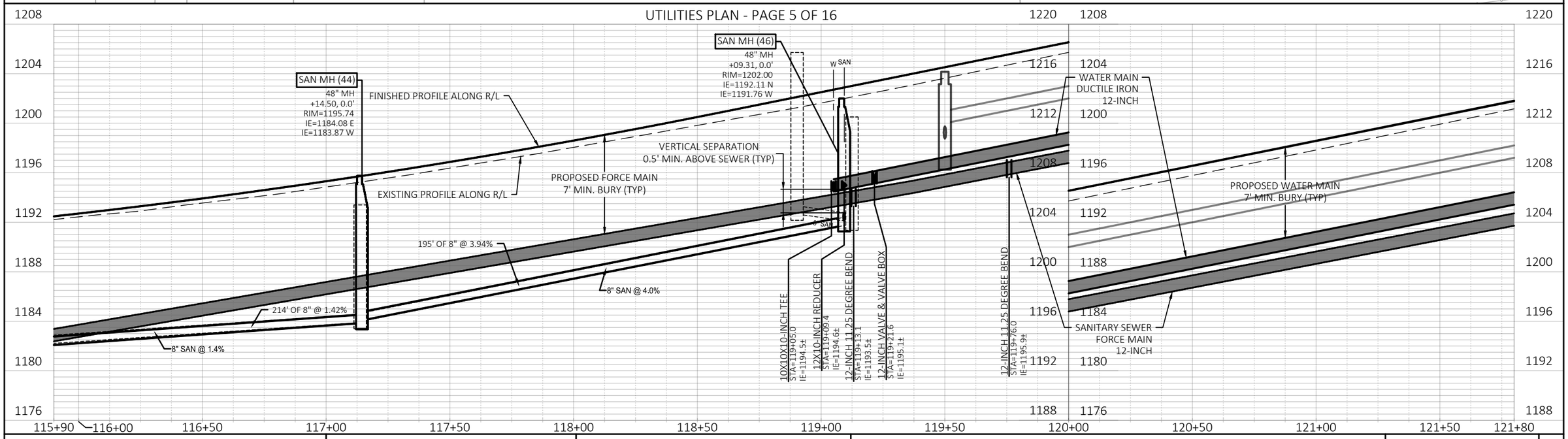
12-INCH 11.25 DEGREE BEND
STA=114+92.9
IE=1181.5±

12-INCH 11.25 DEGREE BEND
STA=115+57.9
IE=1182.0±

110+00 110+50 111+00 111+50 112+00 112+50 113+00 113+50 114+00 114+50 115+00 115+50 115+90

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	UTILITIES PLAN	SHEET	E





UTILITIES PLAN - PAGE 5 OF 16

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	UTILITIES PLAN	SHEET E

2

6500 STEWART AVE

WGV-124.1
8-INCH VALVE & VALVE BOX
+89, 33.8' LT.
RIM=1218.28
IE=1218.3±

WR-124
8X6-INCH REDUCER
+89, 36.4' LT.
IE=1218.2±

WT-124
12X12X8-INCH TEE
+88.9, 8.0' LT.
RIM=1217.47
IE=1217.5±

FH-124
STANDARD HYDRANT
+89.1, 38.9' LT.
IE=1226.5±

WGV-124.2
12-INCH VALVE & VALVE BOX
+91.9, 8.0' LT.
IE=1217.6±

DELINEATED
WETLAND (TYP)

R/W

N

12-INCH DI WATER MAIN

STEWART AVE

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

SANITARY SEWER FORCE MAIN 12-INCH

DELINEATED
WETLAND (TYP)

LEGEND
- #-INCH DI WATER MAIN
- INSULATION BOARD POLYSTYRENE, 4-INCH
- WATER LATERALS
- SANITARY SEWER LATERALS

6400 STATE HIGHWAY 29

2

UTILITIES PLAN - PAGE 6 OF 16

STM

FH-124
STANDARD HYDRANT
+89.1, 38.9' LT. STM
RIM=1226.47
IE=1226.5±

FINISHED PROFILE ALONG R/L

PROPOSED WATER MAIN
7' MIN. BURY (TYP)

WATER MAIN
DUCTILE IRON
12-INCH

VERTICAL SEPARATION
1.5' MIN. BELOW SEWER (TYP)

EXISTING PROFILE ALONG R/L

PROPOSED FORCE MAIN
7' MIN. BURY (TYP)

EXISTING BEDROCK PROFILE ALONG R/L

SANITARY SEWER
FORCE MAIN
12-INCH

12X12X8-INCH TEE
STA=124+88.9
IE=1217.5±

12-INCH VALVE & VALVE BOX
STA=124+91.9
IE=1217.6±

1228 1224 1220 1216 1212 1208 1204 1200 1199

121+80 122+00 122+50 123+00 123+50 124+00 124+50 125+00 125+50 126+00 126+50 127+00 127+50 127+70

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	UTILITIES PLAN	SHEET	E

2

WGV-130.2
8-INCH VALVE & VALVE BOX
+86.2, 34.0' LT.
RIM=1222.25
IE=1222.3±

WR-130
8X6-INCH REDUCER
+86.2, 36.4' LT.
IE=1222.2±

WT-130
12X12X8-INCH TEE
+86, 8.0' LT.
RIM=1221.94
IE=1221.9±

FH-130
STANDARD HYDRANT
+86.2, 39.0' LT.
IE=1230.5±

R/W

DELINEATED
WETLAND (TYP)

WGV-130.1
12-INCH VALVE & VALVE BOX
+83, 8.0' LT.
RIM=1221.97
IE=1222.0±

8

12-INCH DI WATER MAIN

STEWART AVE

W 12"

128+00

SANITARY SEWER FORCE MAIN 12-INCH

129+00

130+00

131+00

SANITARY SEWER 21-INCH

132+00

133+00

SAN MH (48)

SAN MH (50)

DELINEATED
WETLAND (TYP)

N

LEGEND
- #-INCH DI WATER MAIN
- INSULATION BOARD POLYSTYRENE, 4-INCH
- WATER LATERALS
- SANITARY SEWER LATERALS

UTILITIES PLAN - PAGE 7 OF 16

SAN MH (48)
72" MH
+01.65, 0.0'
RIM=1230.75
IE=1221.00 E

FH-130
STANDARD HYDRANT
+86.2, 39.0' LT.
IE=1230.5±

FINISHED PROFILE ALONG R/L

EXISTING PROFILE ALONG R/L

SAN MH (50)
60" MH
+91.14, 0.0'
RIM=1226.43
IE=1217.11 W
IE=1217.01 E

STM

PROPOSED FORCE MAIN
7' MIN. BURY (TYP)

WATER MAIN
DUCTILE IRON
12-INCH

PROPOSED WATER MAIN
7' MIN. BURY (TYP)

VERTICAL SEPARATION
1.5' MIN. BELOW SEWER (TYP)

389' OF 21" @ 1.00%

417' OF 21" @ 2.76%

SANITARY SEWER
FORCE MAIN
12-INCH

EXISTING BEDROCK PROFILE ALONG R/L

12-INCH VALVE & VALVE BOX
STA=130+83.0
IE=1222.0±

12X12X8-INCH TEE
STA=130+86.0
IE=1221.9±

1236
1232
1228
1224
1220
1216
1212
1208
1205

127+70 128+00 128+50 129+00 129+50 130+00 130+50 131+00 131+50 132+00 132+50 133+00 133+50 133+60

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	UTILITIES PLAN	SHEET	E

FILE NAME : P:\W0400070_WAUSAU - STEWARTAVE FORCE MAIN INTERCEPT\11-0 DRAWINGS\11-15 PLAN PRODUCTION SHEETS\PROJECT 1 - STREET RECONSTRUCTION\0501-PP (CDI).DWG
LAYOUT NAME - 1
PLOT DATE : 10/27/2023 7:43 PM
PLOT BY : ISAAC W. DOLAN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISI HEET 44

6230 STEWART AVE

WGV-136.2
8-INCH VALVE & VALVE BOX
+81.3, 34.0' LT.
RIM=1209.07
IE=1209.1±

WR-136
8X6-INCH REDUCER
+81.4, 36.6' LT.
IE=1208.8±

WT-136
12X12X8-INCH TEE
+81.3, 8.0' LT.
RIM=1208.48
IE=1208.5±

FH-136
STANDARD HYDRANT
+81.5, 39.0' LT.
IE=1216.4±

WGV-136.1
12-INCH VALVE & VALVE BOX
+78.3, 8.0' LT.
RIM=1208.55
IE=1208.6±

R/W

STEWART AVE

12-INCH DI WATER MAIN

SANITARY SEWER 21-INCH

SAN MH (52)

<CAUTION>

DELINEATED WETLAND (TYP)

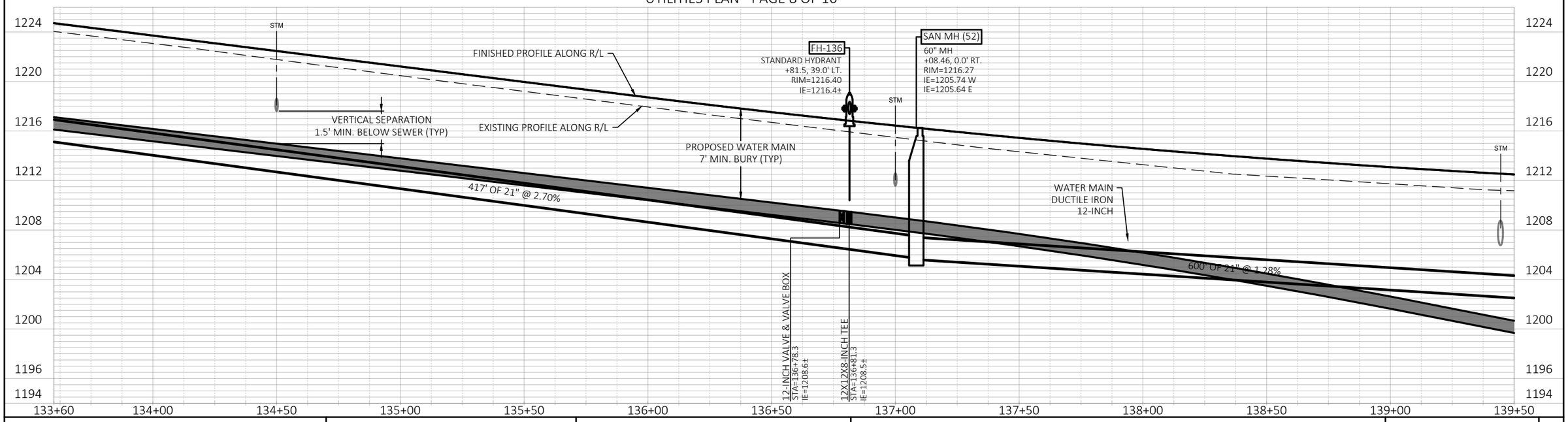
DELINEATED WETLAND (TYP)

N

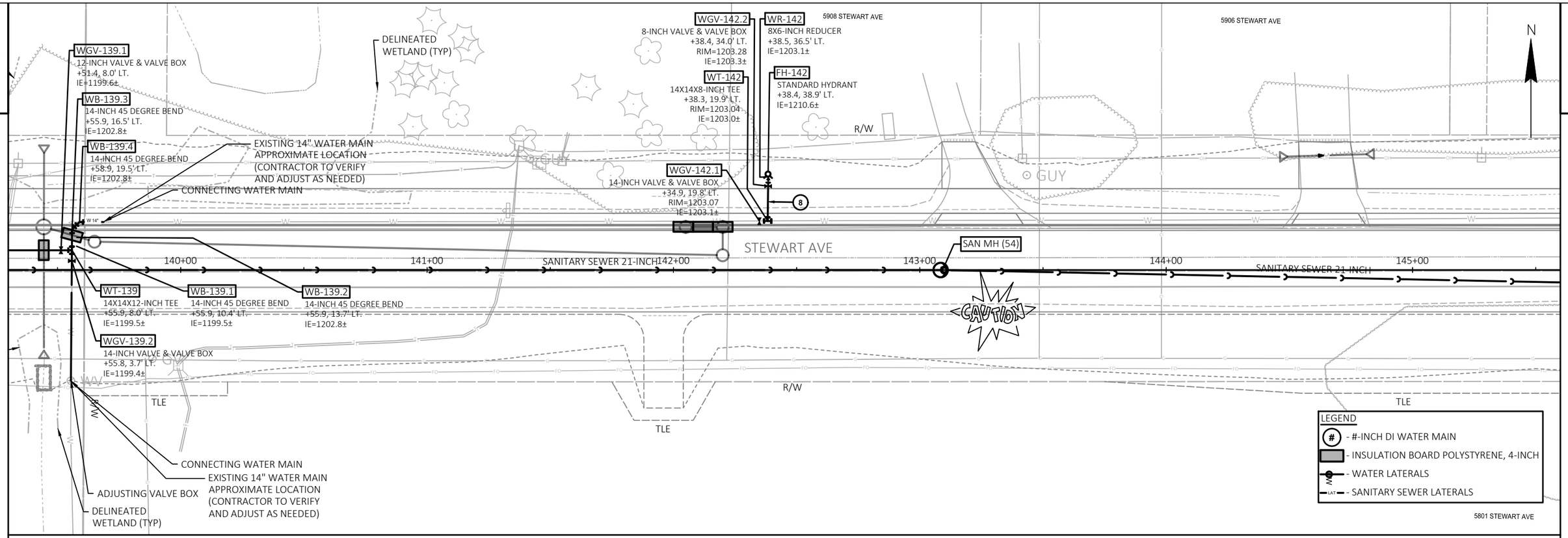
134+00 135+00 136+00 138+00 139+00

LEGEND
- (#) - #-INCH DI WATER MAIN
- INSULATION BOARD POLYSTYRENE, 4-INCH
- WATER LATERALS
- SANITARY SEWER LATERALS

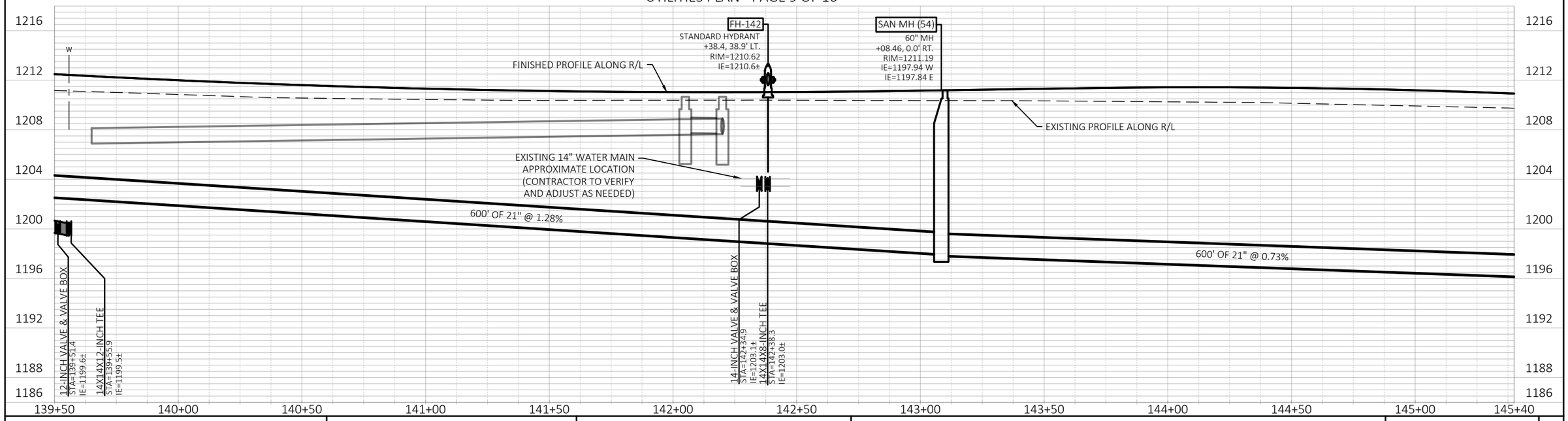
UTILITIES PLAN - PAGE 8 OF 16



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	UTILITIES PLAN	SHEET E



UTILITIES PLAN - PAGE 9 OF 16



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	UTILITIES PLAN	SHEET	E

2

5904 STEWART AVE

WGV-146.2
8-INCH VALVE & VALVE BOX
+78.2, 34.0' LT.
RIM=1201.88
IE=1201.9±

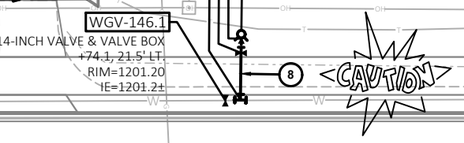
WR-146
8X6-INCH REDUCER
+78.3, 36.6' LT.
IE=1201.6±

WT-146
14X14X8-INCH TEE
+78.1, 21.6' LT.
RIM=1201.15
IE=1201.2±

FH-146
STANDARD HYDRANT
+78.3, 39.0' LT.
IE=1209.2±

WGV-146.1
14-INCH VALVE & VALVE BOX
+74.1, 21.5' LT.
RIM=1201.20
IE=1201.2±

8



5606 STEWART AVE

N

WELL

R/W

TLE

CLIVE

TLE

STEWART AVE

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

SANITARY SEWER 21-INCH

SAN MH (58)

SANITARY SEWER 21-INCH

LAT

W

R/W

TLE

TLE

TLE

LEGEND
- #-INCH DI WATER MAIN
- INSULATION BOARD POLYSTYRENE, 4-INCH
- WATER LATERALS
- SANITARY SEWER LATERALS

5801 STEWART AVE

FH-146
STANDARD HYDRANT
+78.3, 39.0' LT.
IE=1209.2±

SAN MH (58)
60" MH
+08.33, 12.0' RT.
RIM=1206.44
IE=1193.48 W
IE=1193.38 E

FINISHED PROFILE ALONG R/L

EXISTING PROFILE ALONG R/L

STM

EXISTING 14" WATER MAIN
APPROXIMATE LOCATION
(CONTRACTOR TO VERIFY
AND ADJUST AS NEEDED)

600' OF 21" @ 0.73%

600' OF 21" @ 0.51%

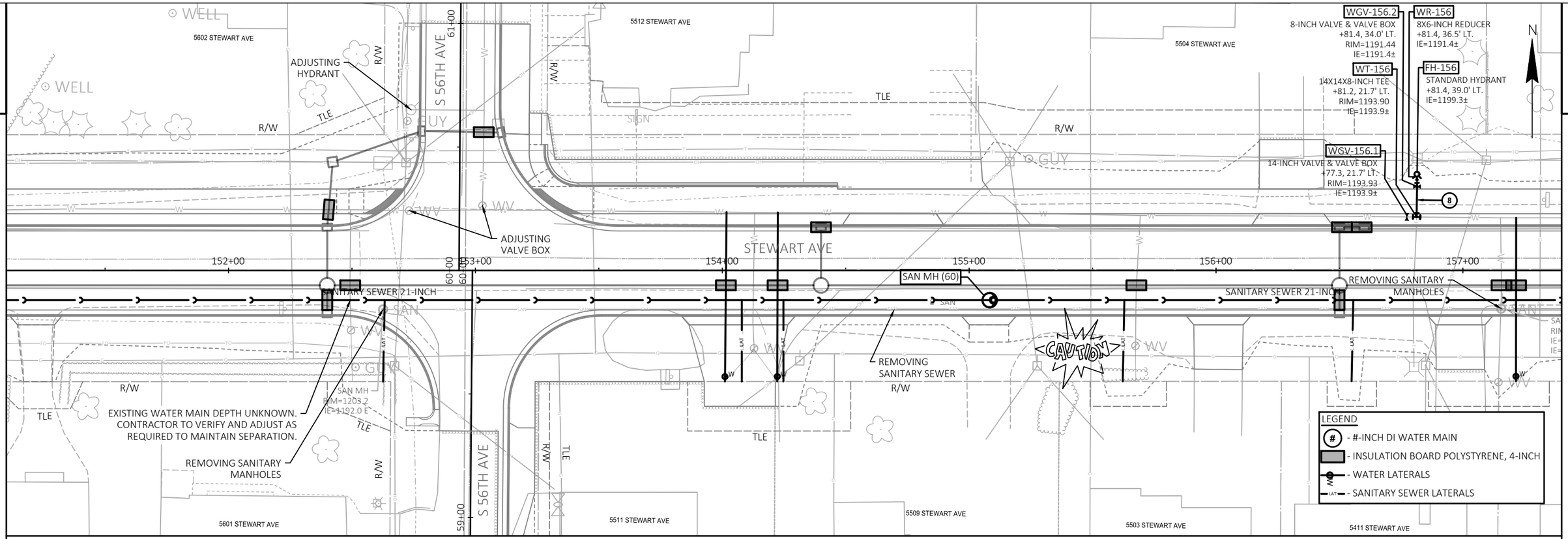
14-INCH VALVE & VALVE BOX
STA=146+74.1
IE=1201.2±

14X14X8-INCH TEE
STA=146+78.1
IE=1201.2±

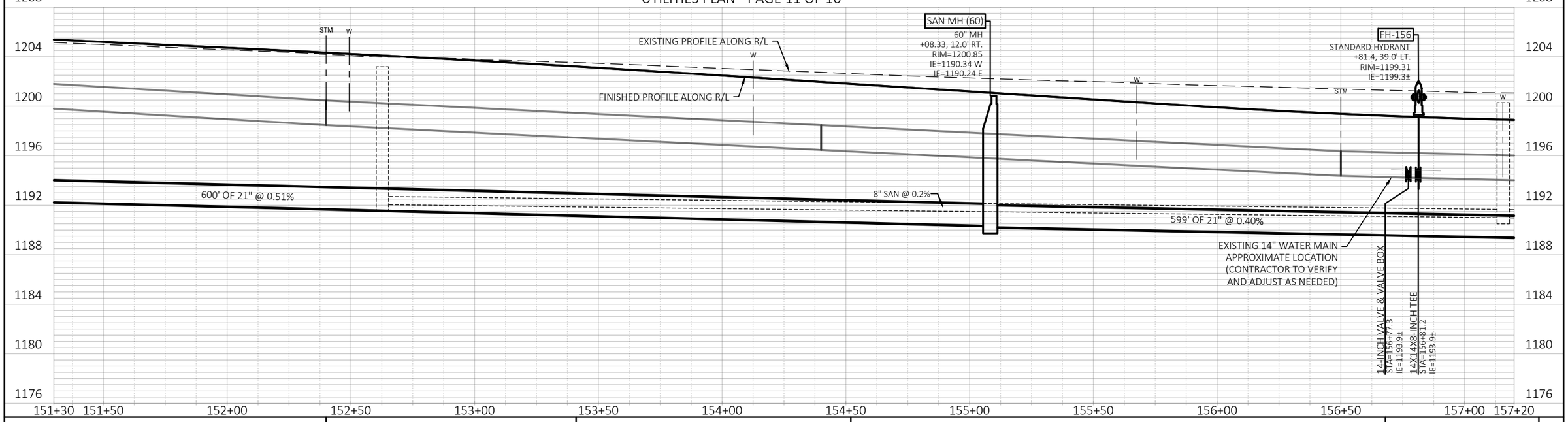
1216 1212 1208 1204 1200 1196 1192 1188 1184

145+40 145+50 146+00 146+50 147+00 147+50 148+00 148+50 149+00 149+50 150+00 150+50 151+00 151+30

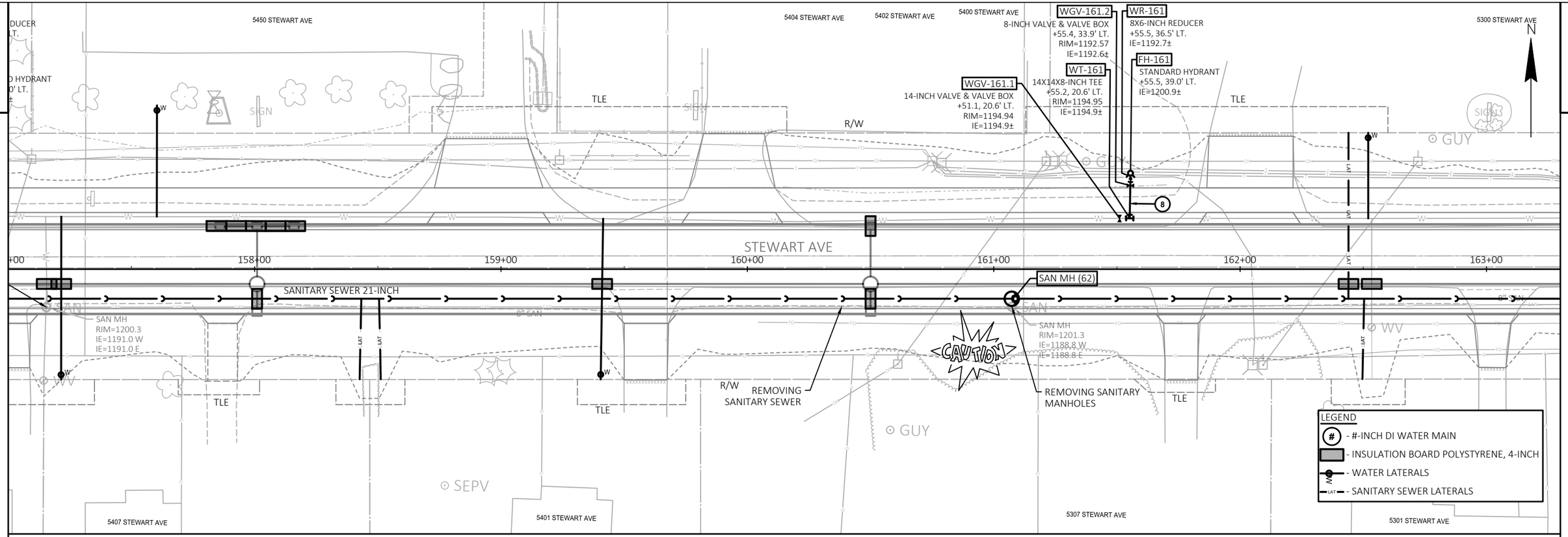
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	UTILITIES PLAN	SHEET E

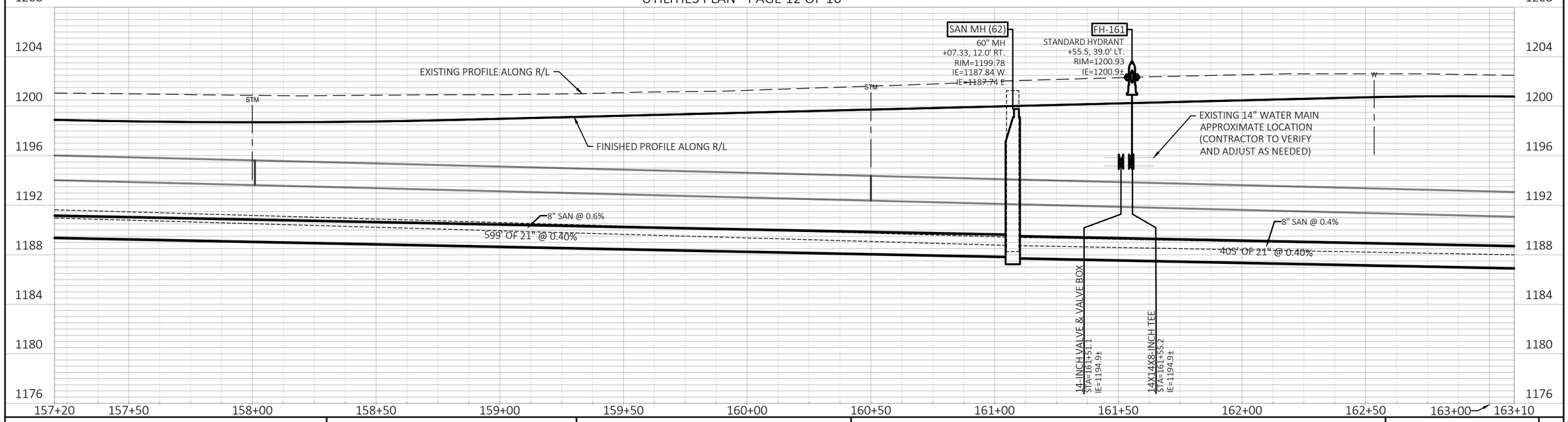


2



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	UTILITIES PLAN	SHEET	E





PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	UTILITIES PLAN	SHEET E

FILE NAME : P:\W0400070_WAUSAU - STEWARTAVE FORCE MAIN INTERCEPT\11-0 DRAWINGS\11-15 PLAN PRODUCTION SHEETS\PROJECT 1 - STREET RECONSTRUCTION\0501-PP (CDI).DWG
LAYOUT NAME - 1
PLOT DATE : 10/27/2023 7:45 PM
PLOT BY : ISAAC W. DOLAN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISI 102 HEET 44

2

5300 STEWART AVE

5208 STEWART AVE

5108 STEWART AVE

WGV-166.2
8-INCH VALVE & VALVE BOX
+04, 34.0' LT.
RIM=1187.48
IE=1187.5±

WR-166
8X6-INCH REDUCER
+04.1, 36.5' LT.
IE=1187.6±

WT-166
14X14X8-INCH TEE
+03.8, 22.6' LT.
RIM=1188.50
IE=1188.5±

FH-166
STANDARD HYDRANT
+04.1, 38.9' LT.
IE=1195.9±

WGV-166.1
14-INCH VALVE & VALVE BOX
+00.2, 22.5' LT.
RIM=1188.63
IE=1188.6±

N

TLE

PROPOSED R/W

R/W

STEWART AVE

163+00 164+00 165+00 166+00 167+00 168+00 169+00

SAN MH (64)

SANITARY SEWER 21-INCH

8" SAN

REMOVING SANITARY MANHOLES

REMOVING SANITARY SEWER

SAN MH (66)

CAUTION

SAN MH
RIM=1198.5
IE=1187.2 W
IE=1187.2 E

5213 STEWART AVE

5211 STEWART AVE

LEGEND
- #-INCH DI WATER MAIN
- INSULATION BOARD POLYSTYRENE, 4-INCH
- WATER LATERALS
- SANITARY SEWER LATERALS

UTILITIES PLAN - PAGE 13 OF 16

SAN MH (64)
60" MH
+12.48, 12.0' RT.
RIM=1197.72
IE=1186.12 W
IE=1186.02 E

FH-166
STANDARD HYDRANT
+04.1, 38.9' LT.
RIM=1195.95
IE=1195.9±

STM

EXISTING PROFILE ALONG R/L

FINISHED PROFILE ALONG R/L

8" SAN @ 0.4%

405' OF 21" @ 0.40%

EXISTING 14" WATER MAIN
APPROXIMATE LOCATION
(CONTRACTOR TO VERIFY
AND ADJUST AS NEEDED)

8" SAN @ 4.4%

323' OF 21" @ 4.62%

14-INCH VALVE & VALVE BOX
STA=166+00.2
IE=1188.6±

14X14X8-INCH TEE
STA=166+03.8
IE=1188.5±

SAN MH (66)
60" MH
+35.17, 12.0' RT.
RIM=1185.63
IE=1171.11 W
IE=1171.01 E

8" SAN @ 0.4%

201' OF 21" @ 0.10%

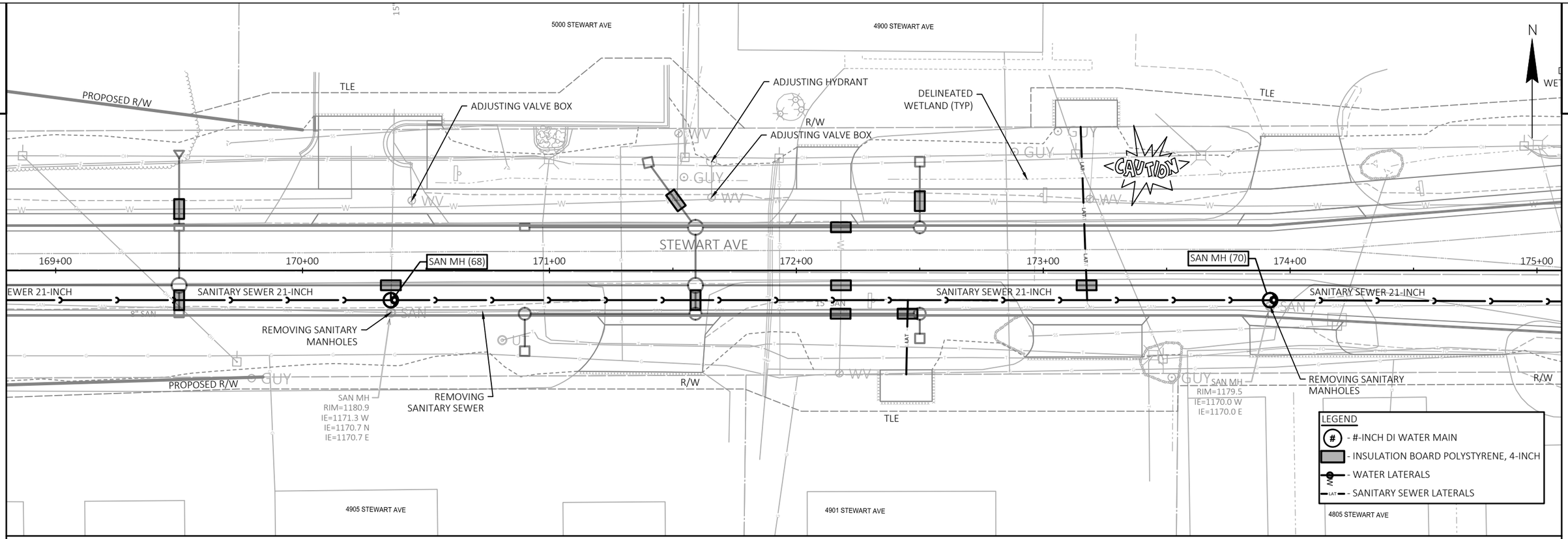
1204 1200 1196 1192 1188 1184 1180 1176 1173

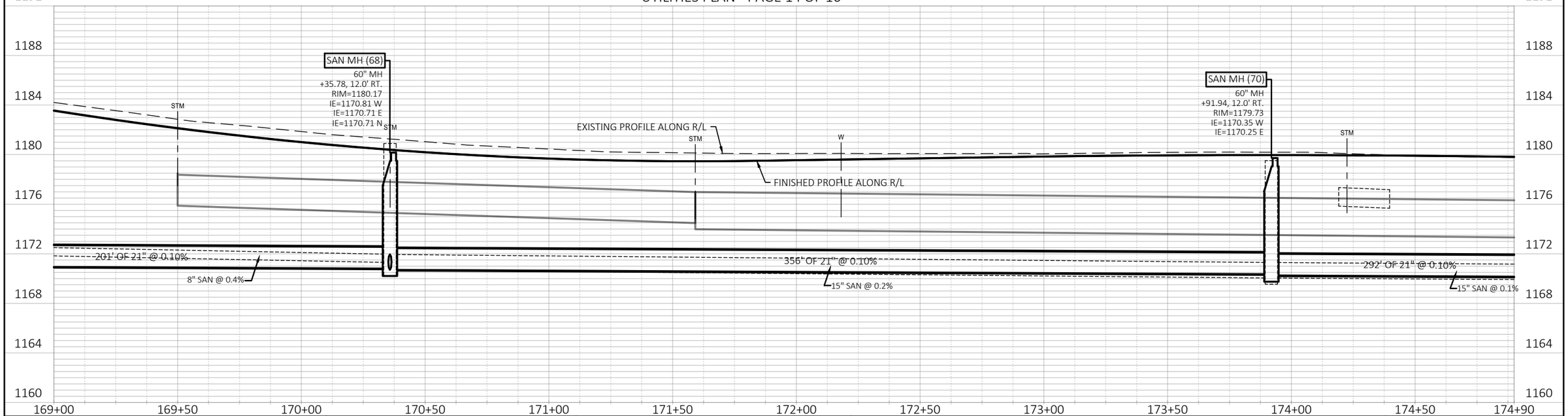
1196 1192 1188 1184 1180 1176 1172 1168 1165

163+10 163+50 164+00 164+50 165+00 165+50 166+00 166+50 167+00 167+50 168+00 168+50 169+00

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	UTILITIES PLAN	SHEET	E

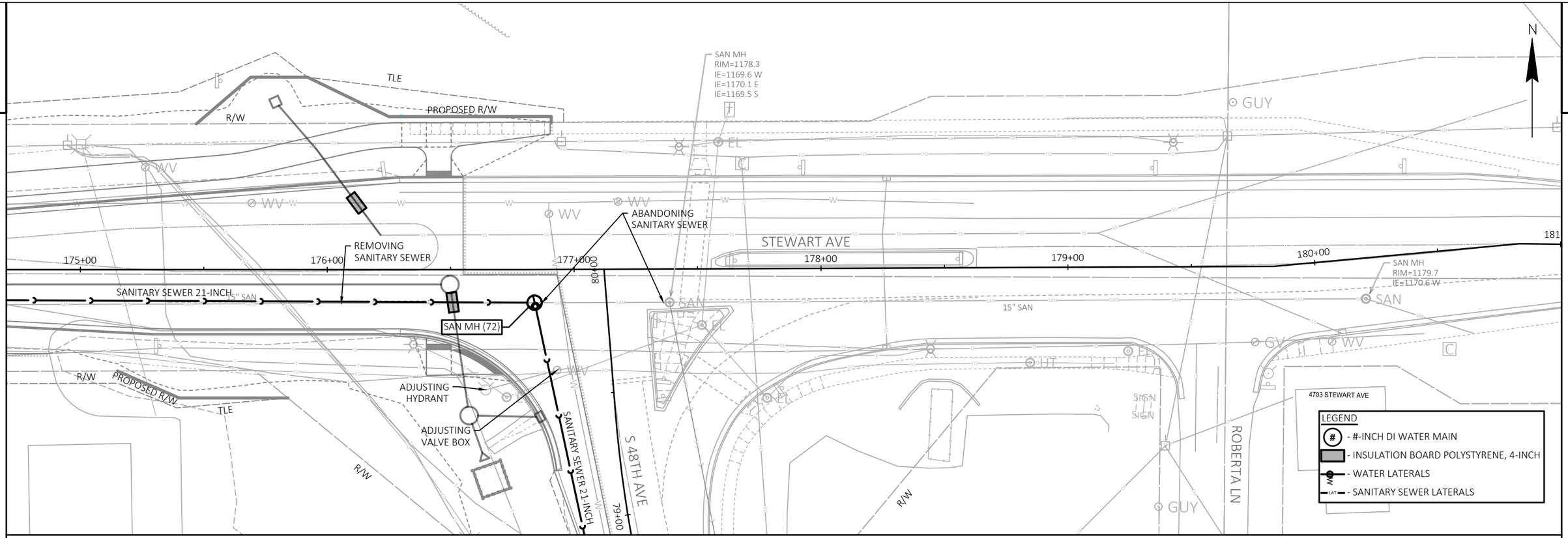
2

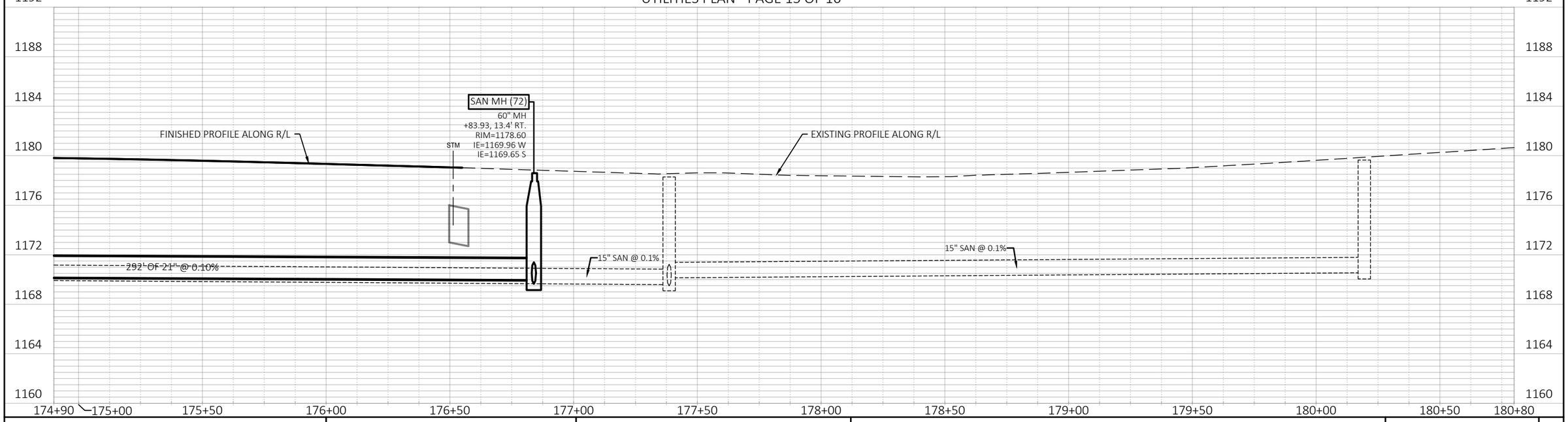




PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	UTILITIES PLAN	SHEET E

2

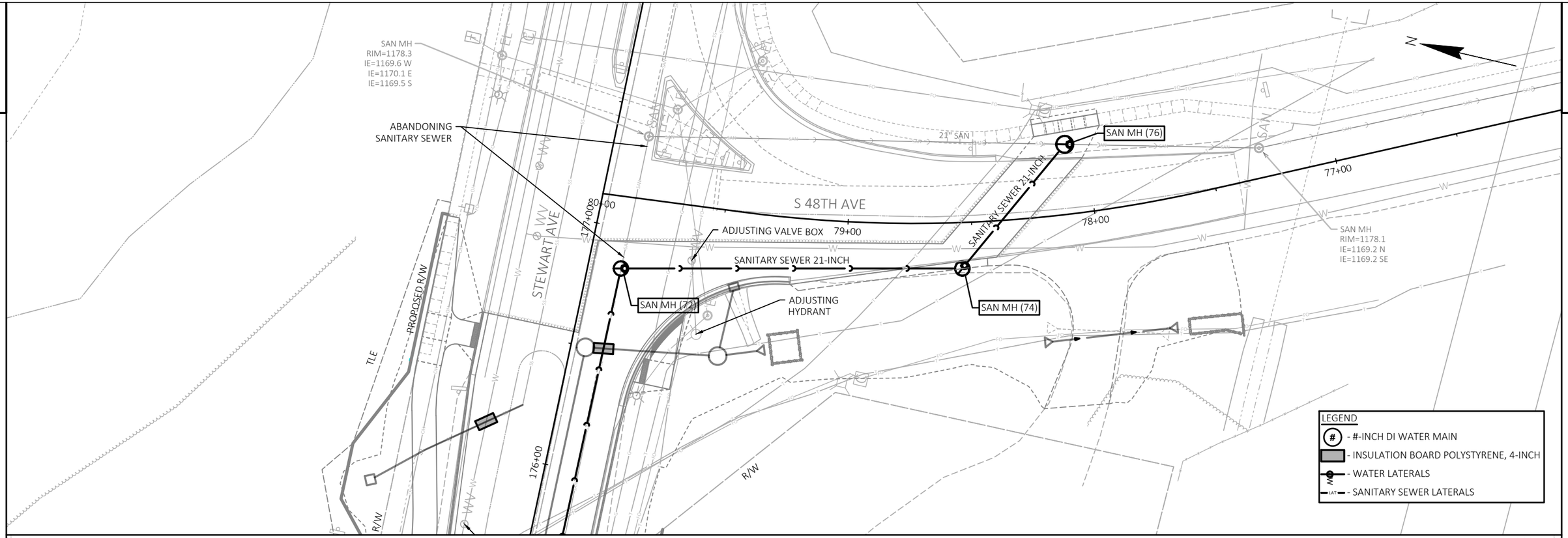


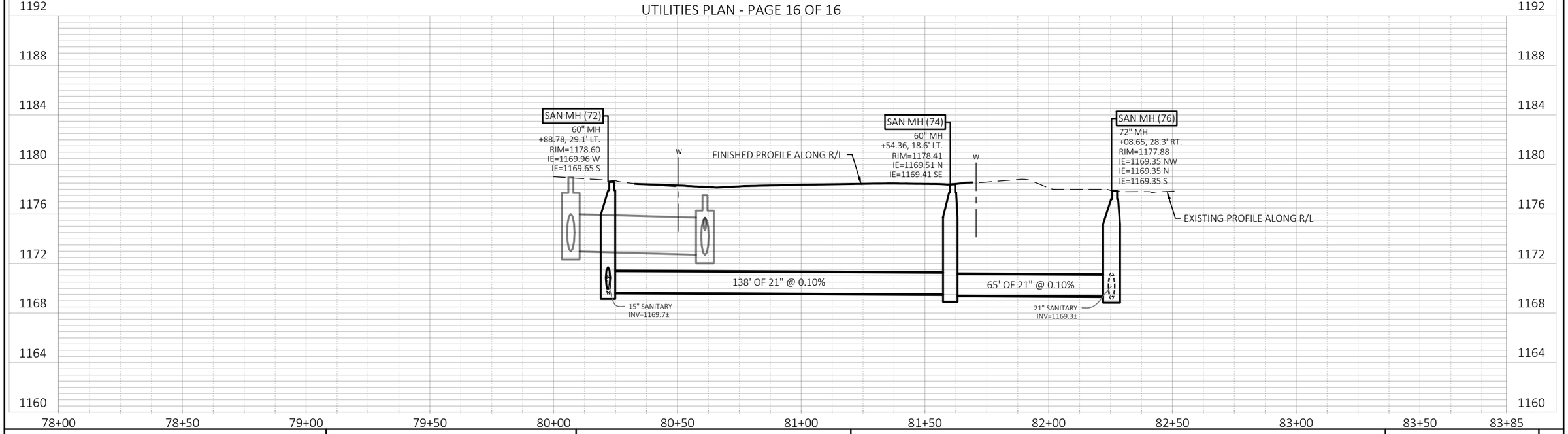


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	UTILITIES PLAN	SHEET E

FILE NAME : P:\W0400070_WAUSAU - STEWARTAVE FORCE MAIN INTERCEPT\11-0 DRAWINGS\11-15 PLAN PRODUCTION SHEETS\PROJECT 1 - STREET RECONSTRUCTION\0501-PP (CDI).DWG
LAYOUT NAME - 1
PLOT DATE : 10/27/2023 7:47 PM
PLOT BY : ISAAC W. DOLAN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2





UTILITIES PLAN - PAGE 16 OF 16

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	UTILITIES PLAN	SHEET	E

FILE NAME : P:\W0400070_WAUSAU - STEWARTAVE FORCE MAIN INTERCEPT\11-0 DRAWINGS\11-15 PLAN PRODUCTION SHEETS\PROJECT 1 - STREET RECONSTRUCTION\0501-PP (CDI).DWG
LAYOUT NAME - 1
PLOT DATE : 10/27/2023 7:47 PM
PLOT BY : ISAAC W. DOLAN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- X — SIGN - MOVE
- X — SIGN - NEW
- X — SIGN - REMOVE
- X — SIGN - REMOVE AND REPLACE

SEE S 72ND AVE PERMANENT SIGNING DETAIL SHEETS

N

S 72ND AVE

STEWART AVE

97+00 98+00 99+00 100+00 101+00 102+00 103+00

19+00 20+00 18+00

UNNAMED STREAM

1-1
STA 94+81
W3-3
36"X36"

1-2
SUNNYVALE COUNTY PARK
SUNNYVALE SOFTBALL COMPLEX
MARATHON COUNTY CHILDRENS COURT CENTER
MOVE

1-3
STOP
R1-1F
30"X30"
(MOUNTED ON SIGNAL POLE)

1-4
START CROSSING Watch For Vehicles
DON'T START Finish Crossing If Started
DON'T CROSS
TO CROSS
PUSH BUTTON
R10-3BR
9"X12"

1-5
R10-3BL
9"X12"

1-6
START CROSSING Watch For Vehicles
DON'T START Finish Crossing If Started
DON'T CROSS
TO CROSS
PUSH BUTTON
R10-3BR
9"X12"

1-7
STOP
R1-1F
30"X30"
(MOUNTED ON SIGNAL POLE)

1-8
WAUSAU BUSINESS CAMPUS
MOVE BY MUNICIPALITY

1-9
START CROSSING Watch For Vehicles
DON'T START Finish Crossing If Started
DON'T CROSS
TO CROSS
PUSH BUTTON
R10-3BL
9"X12"

1-10
TO WEST 29
REMOVE

1-11
TO 29
J22-1
24"X57"

1-12
STOP
R1-1F
30"X30"
(MOUNTED ON SIGNAL POLE)

1-13
STOP
R1-1F
30"X30"
(MOUNTED ON SIGNAL POLE)

1-14
SPEED LIMIT 35
R2-1
24"X30"

1-15
Industrial Park
MOVE

HIGHLAND DR
MOVE BY MUNICIPALITY

S 72 ND AV
STEWART AV
MOVE BY MUNICIPALITY

25' 25' 25' 25'

SEE S 72ND AVE PERMANENT SIGNING DETAIL SHEETS

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PERMANENT SIGNING	SHEET 107	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 01
PLOT DATE : 10/20/2023 7:11 AM
PLOT BY : DREW NELSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- X — SIGN - MOVE
- X — SIGN - NEW
- X — SIGN - REMOVE
- X — SIGN - REMOVE AND REPLACE

N

2-1
REMOVE

2-2
W3-3
36"X36"

UNNAMED STREAM

VLV

SIGN

103+00 104+00 105+00 STEWART AVE 106+00 107+00 108+00

2

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PERMANENT SIGNING	SHEET 108	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 02

PLOT DATE : 8/22/2023 12:14 PM PLOT BY : NICK MENNINGA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

X SIGN - MOVE

X SIGN - NEW

X SIGN - REMOVE

X SIGN - REMOVE AND REPLACE

N

3-1 STOP MOVE

SPEED LIMIT 10 TO REMAIN

3-3 STOP MOVE

3-4 STOP MOVE

3-5 STOP MOVE

STEWART AVE

109+00 110+00 111+00 112+00 113+00 114+00

3-2 SPEED LIMIT 35 R2-1 24"X30"

3-6 DO NOT PASS REMOVE

3-7 WELCOME TO CITY OF MARSHFIELD A CRIME WATCH COMMUNITY MOVE

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PERMANENT SIGNING	SHEET 109	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 03

PLOT DATE : 8/22/2023 12:14 PM PLOT BY : NICK MENNINGA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- X — SIGN - MOVE
- X — SIGN - NEW
- X — SIGN - REMOVE
- X — SIGN - REMOVE AND REPLACE

N

2

4-1
SPEED LIMIT 35
REMOVE

4-2
SPEED LIMIT 35
R2-1
24"X30"

4-3
STOP
R1-1
30"X30"

4-4
STOP
REMOVE

S 68Th Av
W Stewart Av
MOVE BY MUNICIPALITY

S 68TH AVE

41+00

STEWART AVE

115+00 116+00 117+00 118+00 119+00 120+00

4-5
SPEED LIMIT 35
REMOVE

4-6
SPEED LIMIT 35
R2-1
24"X30"

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PERMANENT SIGNING	SHEET 110	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 04

PLOT DATE : 8/22/2023 12:14 PM PLOT BY : NICK MENNINGA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

X SIGN - MOVE

X SIGN - NEW

X SIGN - REMOVE

X SIGN - REMOVE AND REPLACE

N

5-1
SPEED LIMIT 35
R2-1
24"X30"

STEWART AVE

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

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PERMANENT SIGNING	SHEET 111	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 05

PLOT DATE : 8/22/2023 12:14 PM PLOT BY : NICK MENNINGA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

X SIGN - MOVE

X SIGN - NEW

X SIGN - REMOVE

X SIGN - REMOVE AND REPLACE

N

2

STEWART AVE

127+00 128+00 129+00 130+00 131+00 132+00

6-1

PASS WITH CARE

REMOVE

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PERMANENT SIGNING	SHEET 112	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 06

PLOT DATE : 8/22/2023 12:14 PM PLOT BY : NICK MENNINGA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

X SIGN - MOVE

X SIGN - NEW

X SIGN - REMOVE

X SIGN - REMOVE AND REPLACE

N

7-2

SPEED LIMIT 35

R2-1
24"X30"

STEWART AVE

133+00 134+00 135+00 136+00 137+00 138+00

7-1

SPEED LIMIT 35

R2-1
24"X30"

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PERMANENT SIGNING	SHEET 113	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 07

PLOT DATE : 8/22/2023 12:14 PM PLOT BY : NICK MENNINGA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

X SIGN - MOVE

X SIGN - NEW

X SIGN - REMOVE

X SIGN - REMOVE AND REPLACE

N

8-1

SPEED LIMIT 35

REMOVE

STEWART AVE

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

2

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PERMANENT SIGNING	SHEET 114	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 08

PLOT DATE : 8/22/2023 12:14 PM PLOT BY : NICK MENNINGA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

X SIGN - MOVE

X SIGN - NEW

X SIGN - REMOVE

X SIGN - REMOVE AND REPLACE

N

9-2

NO PASSING ZONE

W14-3
48"X36"

145+00 146+00 147+00 STEWART AVE 148+00 149+00 150+00

9-1

NO PASSING ZONE

W14-3
48"X36"

9-3

DO NOT PASS

REMOVE

9-4

SPEED LIMIT 35

R2-1
24"X30"

2

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PERMANENT SIGNING	SHEET 115	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 09

PLOT DATE : 8/22/2023 12:15 PM PLOT BY : NICK MENNINGA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- X — SIGN - MOVE
- X — SIGN - NEW
- X — SIGN - REMOVE
- X — SIGN - REMOVE AND REPLACE

N

S 56TH AVE

61+00

S 56Th AV

STEWART AV

MOVE BY MUNICIPALITY

10-4

STOP

REMOVE

10-1

SPEED LIMIT 35

R2-1

24"X30"

10-3

STOP

R1-1

30"X30"

STEWART AVE

151+00 152+00 153+00 154+00 155+00 156+00

10-2

SPEED LIMIT 35

REMOVE

S 56TH AVE

59+00

10-5

SPEED LIMIT 35

R2-1

24"X30"

2

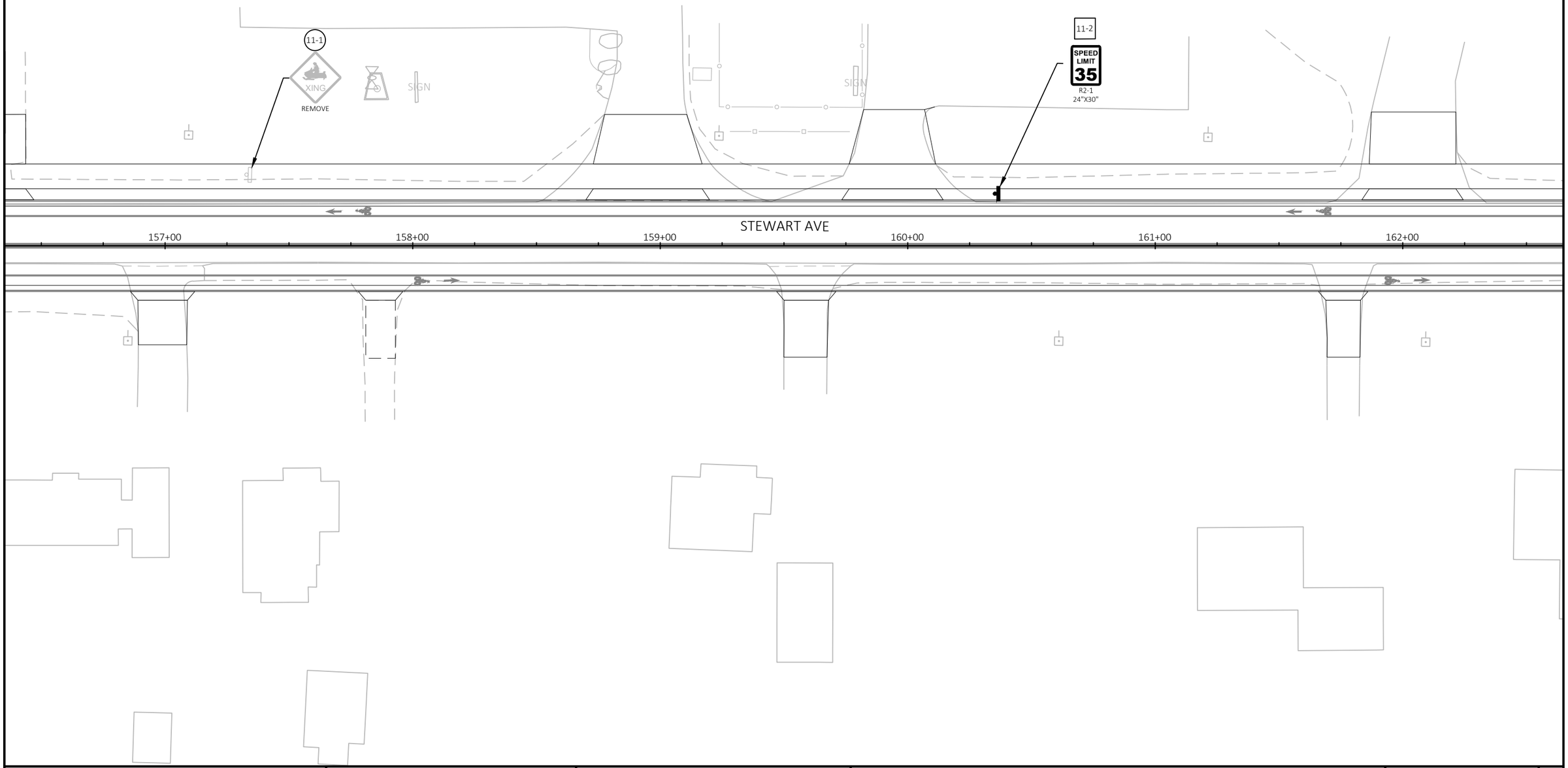
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PERMANENT SIGNING	SHEET 116	E

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- X — SIGN - MOVE
- X — SIGN - NEW
- X — SIGN - REMOVE
- X — SIGN - REMOVE AND REPLACE

N



2

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PERMANENT SIGNING	SHEET 117	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 11

PLOT DATE : 10/23/2023 4:46 PM PLOT BY : SCOTT KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

X SIGN - MOVE

X SIGN - NEW

X SIGN - REMOVE

X SIGN - REMOVE AND REPLACE

N

2

SIGN

SIGN SIGN

163+00 164+00 165+00 STEWART AVE 166+00 167+00 168+00

12-1

SPEED LIMIT 35

R2-1
24"X30"

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PERMANENT SIGNING	SHEET 118	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 12

PLOT DATE : 8/22/2023 12:15 PM PLOT BY : NICK MENNINGA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

X SIGN - MOVE

X SIGN - NEW

X SIGN - REMOVE

X SIGN - REMOVE AND REPLACE

N

STEWART AVE

169+00 170+00 171+00 172+00 173+00 174+00

13-1 W6-1 36"X36"

13-2 REMOVE

13-3 SPEED LIMIT 35 REMOVE

DO NOT PASS REMOVE

13-4 SPEED LIMIT 35 R2-1 24"X30"

13-5 W6-3 36"X36"

13-6 REMOVE

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PERMANENT SIGNING	SHEET 119	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 13

PLOT DATE : 8/22/2023 12:15 PM PLOT BY : NICK MENNINGA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- X — SIGN - MOVE
- X — SIGN - NEW
- X — SIGN - REMOVE
- X — SIGN - REMOVE AND REPLACE

N

14-3
REMOVE

14-4
W6-2
36"X36"

TO REMAIN

48TH AVE
Industrial Park
TO REMAIN

TO REMAIN

ONLY ONLY
NO PARKING
TO REMAIN

SPEED LIMIT 35
TO REMAIN

175+00 176+00 177+00 178+00 179+00 180+00

STEWART AVE

ONLY ONLY ONLY

SIGN

14-1
ONLY ONLY
R3-8
36"X30"

14-2
ONLY ONLY
REMOVE

S 48TH AVE

79+00

78+00

YIELD
TO REMAIN

TO REMAIN

STOP
TO REMAIN

S 48Th Av
W Stewart Av
TO REMAIN

TO REMAIN

SIGN
SIGN

STOP
TO REMAIN

ONLY ONLY
TO REMAIN

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PERMANENT SIGNING	SHEET 120	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 14

PLOT DATE : 8/22/2023 12:15 PM PLOT BY : NICK MENNINGA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- X — SIGN - MOVE
- X — SIGN - NEW
- X — SIGN - REMOVE
- X — SIGN - REMOVE AND REPLACE

NOTE
SIGNS IN THE INTERSECTION ARE SHOWN ON STEWART AVENUE PERMANENT SIGNING SHEETS

N

STEWART AVE

S 72ND AVE

14+00 15+00 16+00 17+00 18+00 19+00 20+00

99+00 100+00 101+00 102+00

EAST 29 | WEST 29
TO REMAIN

JCT 29
TO REMAIN

Wausau
Marathon City
Abbotsford
TO REMAIN

15-4
W6-1
36"X36"

15-1
W3-3
36"X36"

NO OVERNIGHT PARKING ON ALL CITY STREETS
ALTERNATE ODD-EVEN PARKING 2:30AM-6:00AM
NO PARKING ALL DOWNTOWN STREETS 2:30AM-6:00AM
NO PARKING ALL STREETS DURING SNOW EMERGENCY
COMPRESSION BREAKS ARE PROHIBITED IN THE CITY OF WAUSAU
ORD 61-5118
TO REMAIN

15-2
ONLY
R3-8LF
36"X30"

15-3
W6-3
36"X36"

TO HIGHLAND DR
MOVE BY MUNICIPALITY

TRUCK ROUTE
PARK 2 TALK
CELL PHONES AND HANDHELD DEVICES PROHIBITED
MOVE BY MUNICIPALITY

UNNAMED STREAM

25'

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PERMANENT SIGNING: S 72ND AVE	SHEET 121	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\023202-PS.DWG
LAYOUT NAME - 15

PLOT DATE : 8/22/2023 12:18 PM PLOT BY : NICK MENNINGA PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- X — SIGN - MOVE
- X — SIGN - NEW
- X — SIGN - REMOVE
- X — SIGN - REMOVE AND REPLACE

NOTE
SIGNS IN THE INTERSECTION ARE SHOWN ON STEWART AVENUE PERMANENT SIGNING SHEETS

N

STEWART AVE

S 72ND AVE

16-3
W3-3
36"X36"
APPROXIMATELY 1065' NORTH OF INTERSECTION

16-2
ONLY
R3-8
36"X30"

16-1
SPEED LIMIT 35
R2-1
24"X30"

99+00 100+00 101+00 102+00

18+00 19+00 20+00 21+00 22+00 23+00 24+00

25'

POST SIGN GUY

2

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PERMANENT SIGNING: S 72ND AVE	SHEET 122	E

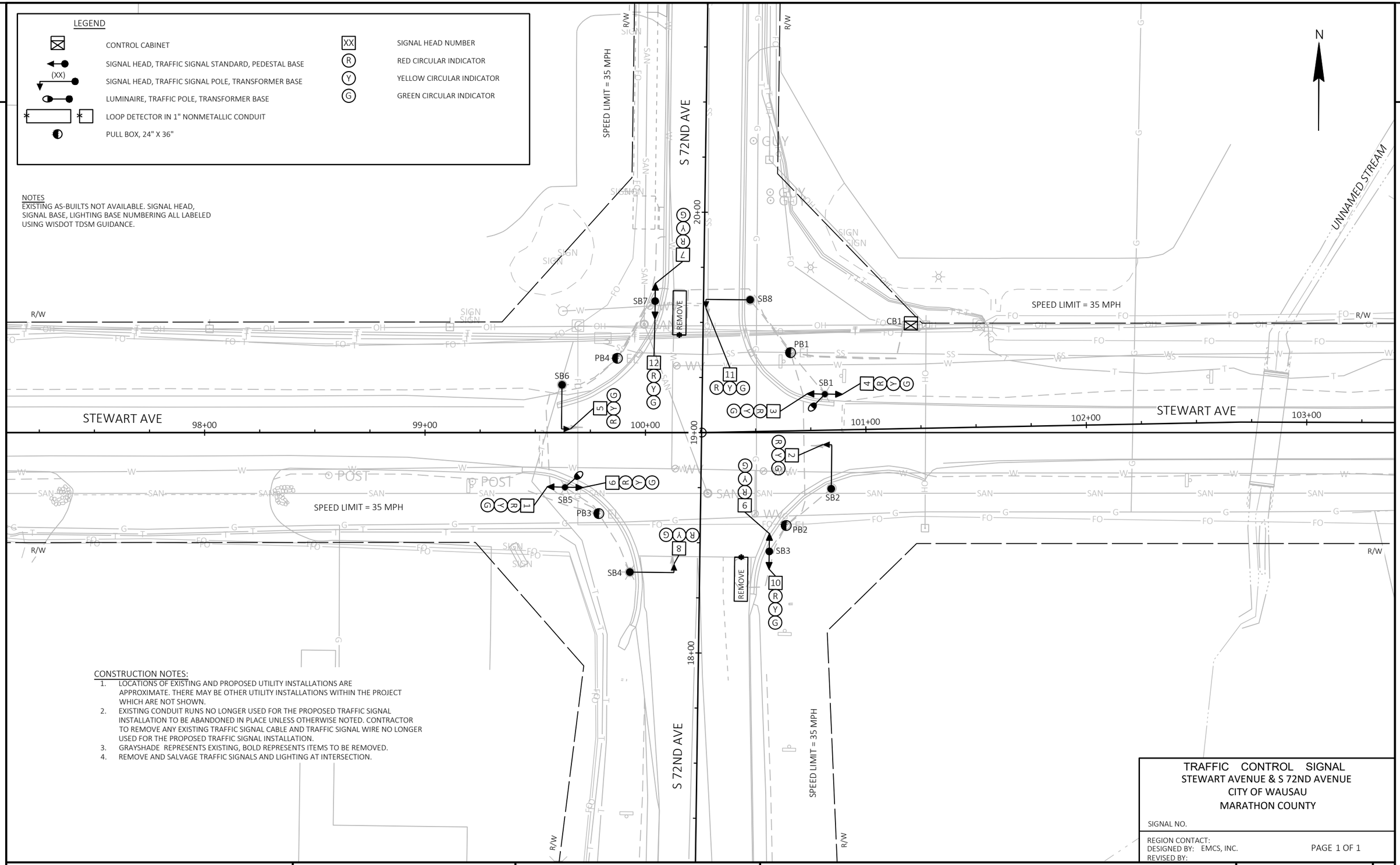
FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\023202-PS.DWG
LAYOUT NAME - 16
PLOT DATE : 8/22/2023 12:18 PM PLOT BY : NICK MENNINGA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- CONTROL CABINET
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR

NOTES
EXISTING AS-BUILTS NOT AVAILABLE. SIGNAL HEAD, SIGNAL BASE, LIGHTING BASE NUMBERING ALL LABELED USING WISDOT TDSM GUIDANCE.



CONSTRUCTION NOTES:

1. LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. EXISTING CONDUIT RUNS NO LONGER USED FOR THE PROPOSED TRAFFIC SIGNAL INSTALLATION TO BE ABANDONED IN PLACE UNLESS OTHERWISE NOTED. CONTRACTOR TO REMOVE ANY EXISTING TRAFFIC SIGNAL CABLE AND TRAFFIC SIGNAL WIRE NO LONGER USED FOR THE PROPOSED TRAFFIC SIGNAL INSTALLATION.
3. GRAYSHADE REPRESENTS EXISTING, BOLD REPRESENTS ITEMS TO BE REMOVED.
4. REMOVE AND SALVAGE TRAFFIC SIGNALS AND LIGHTING AT INTERSECTION.

TRAFFIC CONTROL SIGNAL
STEWART AVENUE & S 72ND AVENUE
CITY OF WAUSAU
MARATHON COUNTY

SIGNAL NO.

REGION CONTACT:
DESIGNED BY: EMCS, INC.
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC SIGNAL REMOVAL	SHEET 123	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - 01
PLOT DATE : 8/22/2023 1:26 PM
PLOT BY : NICK MENNINGA
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

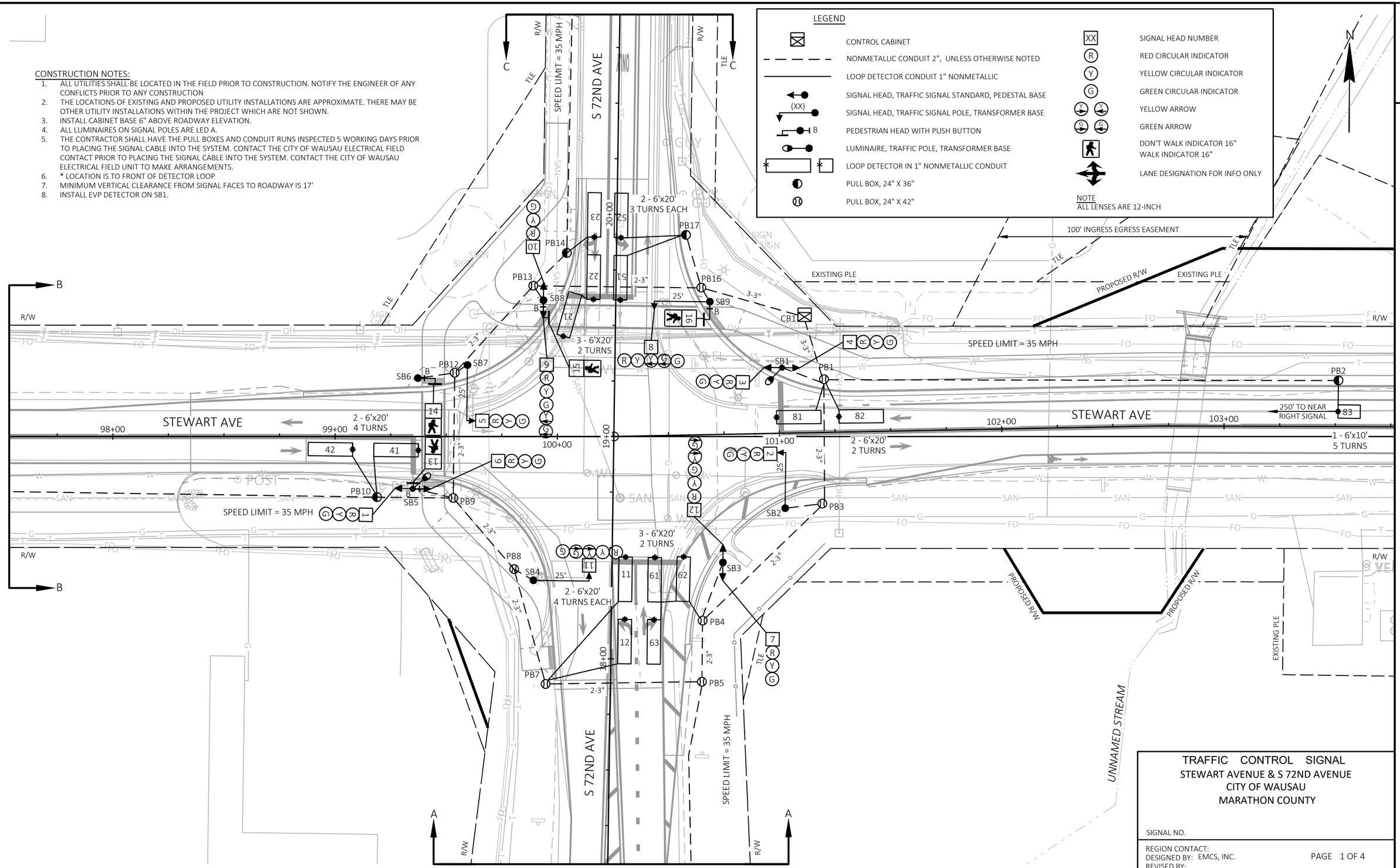
CONSTRUCTION NOTES:

1. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO ANY CONSTRUCTION
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
4. ALL LUMINAIRES ON SIGNAL POLES ARE LED A.
5. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING THE SIGNAL CABLE INTO THE SYSTEM. CONTACT THE CITY OF WAUSAU ELECTRICAL FIELD CONTACT PRIOR TO PLACING THE SIGNAL CABLE INTO THE SYSTEM. CONTACT THE CITY OF WAUSAU ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS.
6. * LOCATION IS TO FRONT OF DETECTOR LOOP
7. MINIMUM VERTICAL CLEARANCE FROM SIGNAL FACES TO ROADWAY IS 17'
8. INSTALL EVP DETECTOR ON SB1.

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- B PEDESTRIAN HEAD WITH PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY

NOTE
ALL LENSES ARE 12-INCH



TRAFFIC CONTROL SIGNAL
STEWART AVENUE & S 72ND AVENUE
CITY OF WAUSAU
MARATHON COUNTY

SIGNAL NO.

REGION CONTACT:
DESIGNED BY: EMCS, INC.
REVISED BY:

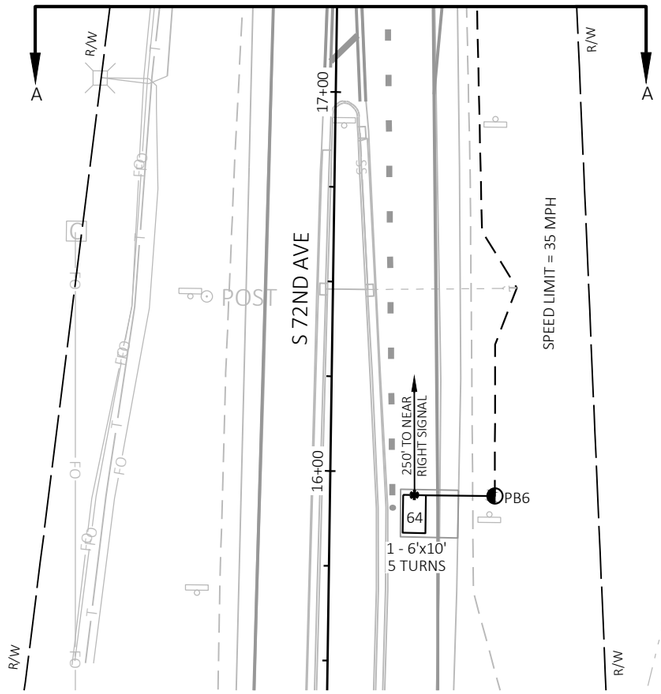
PAGE 1 OF 4

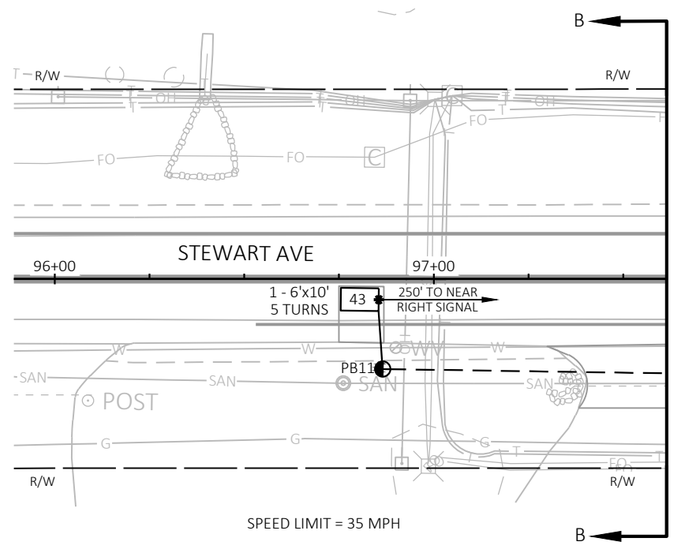
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC SIGNAL PLAN	SHEET 124	E

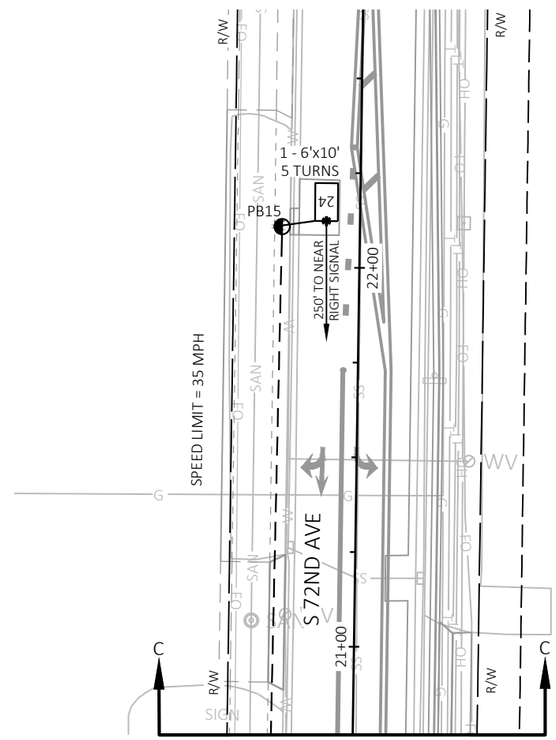
FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 01
PLOT DATE : 8/24/2023 1:07 PM
PLOT BY : NICHOLAS WIEDERIN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

N







TRAFFIC CONTROL SIGNAL
STEWART AVENUE & S 72ND AVENUE
CITY OF WAUSAU
MARATHON COUNTY

SIGNAL NO.

REGION CONTACT:
DESIGNED BY: EMCS, INC.
REVISED BY:

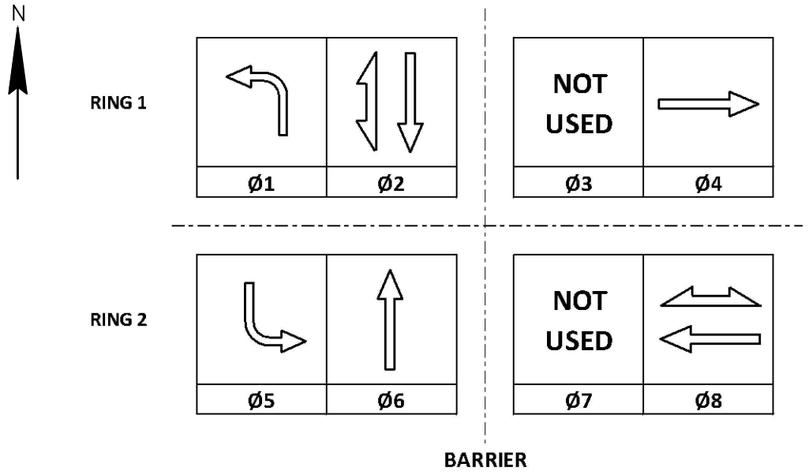
PAGE 2 OF 4

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC SIGNAL PLAN	SHEET 125	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 02

PLOT DATE : 8/24/2023 1:07 PM PLOT BY : NICHOLAS WIEDERIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	8,9	-
Ø2	10,11,12	R
Ø3		
Ø4	1,2,3	R
Ø5	11,12	-
Ø6	7,8,9	R
Ø7		
Ø8	4,5,6	R
Ø2P	13,14	
Ø4P		
Ø6P		
Ø8P	15,16	
OLE		
OLF		
OLG		
OLH		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3				
4		8		X
5		2		X
6	X	2	MIN	X
7				
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4	8

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.

AFTER PREEMPTION SEQUENCE 4+8, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	
SIGNAL SYSTEM NO:	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	X
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	21	23	41	43	52	62	64
CALLED PHASE	1	2	2	4	4	5	6	6
CALL OPTION	X			X		X		
DELAY TIME								
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME					X			X
USE ADDED INITIAL								X
CROSS SWITCH PHASE								

DETECTOR INPUT	19	17	23	21	27	25	31	29
PLAN LOOP DETECTOR*(S)	82							
CALLED PHASE	8							
CALL OPTION	X							
DELAY TIME								
EXTENTION OPTION								
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	12	22	24	42	51	61	63	81
CALLED PHASE	1	2	2	4	5	6	6	8
CALL OPTION	X			X	X			X
DELAY TIME								
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME			X					
USE ADDED INITIAL			X					
CROSS SWITCH PHASE								

DETECTOR INPUT	20	18	24	22	28	26	32	30
PLAN LOOP DETECTOR*(S)	83							
CALLED PHASE	8							
CALL OPTION								
DELAY TIME								
EXTENTION OPTION	X							
EXTEND TIME	X							
USE ADDED INITIAL								
CROSS SWITCH PHASE								

STEWART AVENUE & S 72ND AVENUE
CITY OF WAUSAU
MARATHON COUNTY

SIGNAL NO: CABINET TYPE: TS2
CONTROLLER TYPE: COBALT
DATE: 08/2023 PAGE NUMBER: 3 OF 4

2

PROJECT ID:	6999-09-72
INTERSECTION:	STEWART AVENUE & S 72ND AVENUE

SIGNAL WIRE COLOR CODING	BLK - BLACK	RED - RED	GRN - GREEN
	WHT - WHITE	BLU - BLUE	ORG - ORANGE

CB1 TO	AWG14 # OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED NEUTRAL	PED INPUT
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB1	12	3	RED	ORG	GRN								
		4	RED/BLK	ORG/BLK	GRN/BLK								
SB2	12	2	RED	ORG	GRN								
SB3	12	7	RED	ORG	GRN								
		12	RED/BLK	ORG/BLK	GRN/BLK		BLK	BLU					
SB4	12	11	RED	ORG	GRN		RED/BLK	ORG/BLK					
SB5	12	1	RED	ORG	GRN								
		6	RED/BLK	ORG/BLK	GRN/BLK								
		13								BLK	BLU		
		BUTTON											WHT/BLK
SB6	12	14								BLK	BLU		
		BUTTON											WHT/BLK
SB7	12	5	RED	ORG	GRN								
SB8	15	9	RED	ORG	GRN		ORG/BLK	GRN/BLK					
		10	RED/BLK	ORG/WHT	GRN/WHT								
		15								BLK	BLU		
		BUTTON											WHT/BLK
SB9	12	8	RED	ORG	GRN		RED/BLK	ORG/BLK					
		16								BLK	BLU		
		BUTTON											WHT/BLK

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GREEN XLP	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	CB1

PULL BOX BONDING JUMPER 10 AWG GREEN XLP	
FROM	TO
CB1	PB1
SB2	PB3
SB3	PB4
SB3	PB5
SB4	PB7
SB4	PB8
SB5	PB9
SB5	PB10
SB6	PB12
SB7	PB12
SB8	PB13
SB8	PB14
SB9	PB16
SB9	PB17

LIGHTING UF #12 W/GROUND	
FROM	TO
CB1	SB1
CB1	SB5

EVP CABLE	
FROM	TO
CB1	SB1

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 04
PLOT DATE : 8/24/2023 1:07 PM PLOT BY : NICHOLAS WIEDERIN PLOT NAME : PLOT SCALE : 1 IN:1 FT
WISDOT/CADDS SHEET 42

2

LEGEND

ARRW1	MARKING ARROW TYPE 1 (WHITE)	MSY4	MARKING LINE SAME DAY 4-INCH (YELLOW)
ARRW2	MARKING ARROW TYPE 2 (WHITE)	MY4	MARKING LINE 4-INCH (YELLOW)
ARRW3	MARKING ARROW TYPE 3 (WHITE)	MW8	MARKING LINE 8-INCH (WHITE)
ARRW4	BIKE LANE MARKING ARROW (WHITE)	MYD12	MARKING DIAGONAL 12-INCH (YELLOW)(25' C-C AT 45°)
SHRRW	BIKE LANE SYMBOL FOR SHARED LANE (WHITE)	MWD12	MARKING DIAGONAL 12-INCH (WHITE)(25' C-C AT 45°)
WORD	MARKING WORD (WHITE)	SLW18	MARKING STOP LINE 18-INCH (WHITE)
SYMBL	BIKE LANE SYMBOL (WHITE)	CWW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
EPOXY	EPOXY	MYS4	MARKING LINE SKIP 4-INCH (YELLOW)(12 1/2' LINE 37 1/2' GAP)
MEW4	MARKING EDGE LINE 4-INCH (WHITE)	PARK	MARKING PARKING STALL
MEWS4	MARKING EDGE LINE 4-INCH (WHITE)(3' LINE, 9' GAP)	× ×	MARKING REMOVAL LINE 4-INCH
MEWS8	MARKING EDGE LINE 8-INCH (WHITE)(3' LINE, 9' GAP)		

NOTE
PLACE BIKE LANE SYMBOL AND BIKE LANE ARROW EVERY 600'

MARKING TO FOLLOW APPLICABLE SDDS

REINSTALL EB EDGELINE MARKING TO STA 96+53
REINSTALL CENTERLINE MARKING TO STA 94+35
REINSTALL WB EDGELINE MARKING TO STA 94+35

N

REMARK EDGELINE MARKING TO STA 14+60

MARKING TO FOLLOW APPLICABLE SDDS

MARKING TO FOLLOW APPLICABLE SDDS AND CONSTRUCTION DETAILS

STEWART AVE

S 72ND AVE

UNNAMED STREAM

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PAVEMENT MARKING	SHEET 128	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 01
PLOT DATE : 11/1/2023 6:34 AM
PLOT BY : JESSICA SPLITTGERBER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

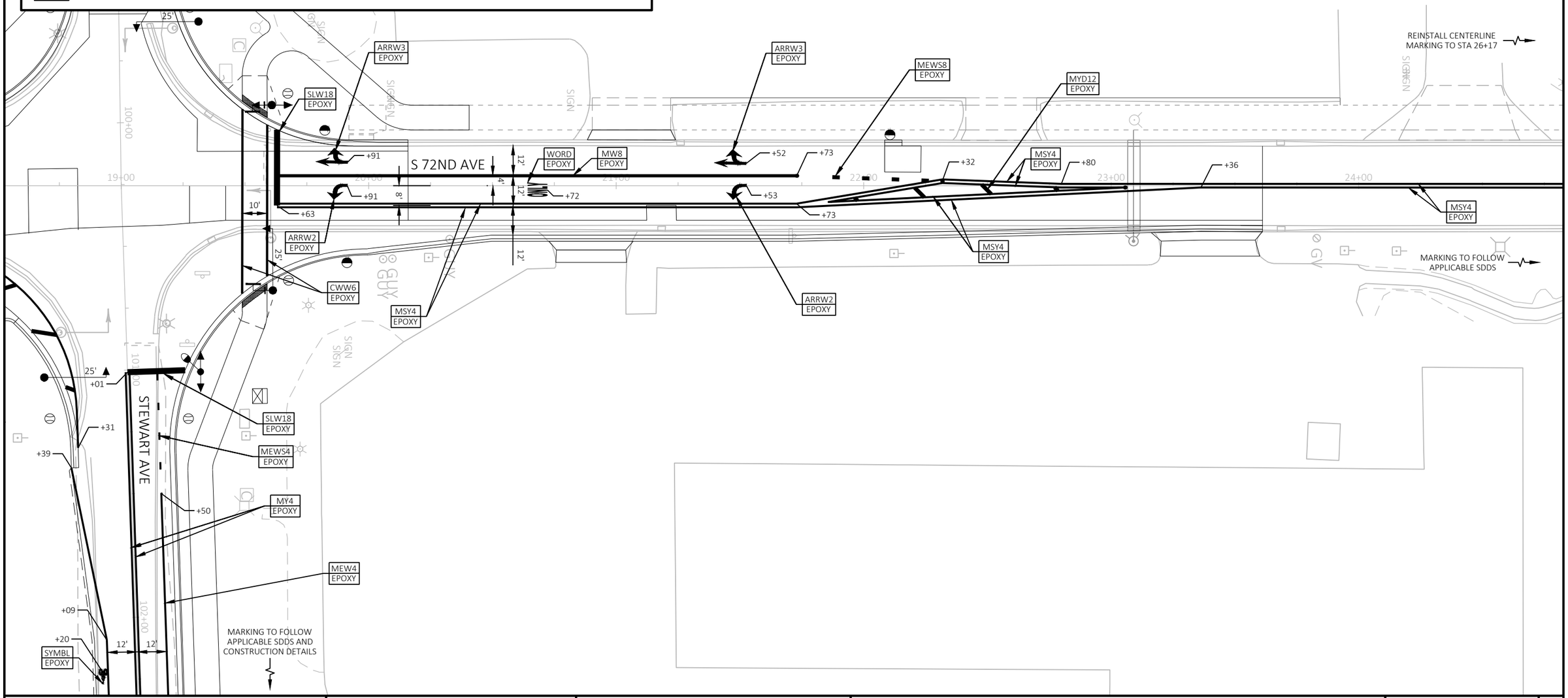
LEGEND

ARRW1	MARKING ARROW TYPE 1 (WHITE)	MSY4	MARKING LINE SAME DAY 4-INCH (YELLOW)
ARRW2	MARKING ARROW TYPE 2 (WHITE)	MY4	MARKING LINE 4-INCH (YELLOW)
ARRW3	MARKING ARROW TYPE 3 (WHITE)	MW8	MARKING LINE 8-INCH (WHITE)
ARRW4	BIKE LANE MARKING ARROW (WHITE)	MYD12	MARKING DIAGONAL 12-INCH (YELLOW)(25' C-C AT 45°)
SHRRW	BIKE LANE SYMBOL FOR SHARED LANE (WHITE)	MWD12	MARKING DIAGONAL 12-INCH (WHITE)(25' C-C AT 45°)
WORD	MARKING WORD (WHITE)	SLW18	MARKING STOP LINE 18-INCH (WHITE)
SYMBL	BIKE LANE SYMBOL (WHITE)	CWW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
EPOXY	EPOXY	MYS4	MARKING LINE SKIP 4-INCH (YELLOW)(12 1/2' LINE 37 1/2' GAP)
MEW4	MARKING EDGE LINE 4-INCH (WHITE)	PARK	MARKING PARKING STALL
MEWS4	MARKING EDGE LINE 4-INCH (WHITE)(3' LINE, 9' GAP)	× ×	MARKING REMOVAL LINE 4-INCH
MEWS8	MARKING EDGE LINE 8-INCH (WHITE)(3' LINE, 9' GAP)		

NOTE

PLACE BIKE LANE SYMBOL AND BIKE LANE ARROW EVERY 600'

N



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PAVEMENT MARKING	SHEET 129	E

2

LEGEND

ARRW1	MARKING ARROW TYPE 1 (WHITE)	MSY4	MARKING LINE SAME DAY 4-INCH (YELLOW)
ARRW2	MARKING ARROW TYPE 2 (WHITE)	MY4	MARKING LINE 4-INCH (YELLOW)
ARRW3	MARKING ARROW TYPE 3 (WHITE)	MW8	MARKING LINE 8-INCH (WHITE)
ARRW4	BIKE LANE MARKING ARROW (WHITE)	MYD12	MARKING DIAGONAL 12-INCH (YELLOW)(25' C-C AT 45°)
SHRRW	BIKE LANE SYMBOL FOR SHARED LANE (WHITE)	MWD12	MARKING DIAGONAL 12-INCH (WHITE)(25' C-C AT 45°)
WORD	MARKING WORD (WHITE)	SLW18	MARKING STOP LINE 18-INCH (WHITE)
SYMBL	BIKE LANE SYMBOL (WHITE)	CWW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
EPOXY	EPOXY	MYS4	MARKING LINE SKIP 4-INCH (YELLOW)(12 1/2' LINE 37 1/2' GAP)
MEW4	MARKING EDGE LINE 4-INCH (WHITE)	PARK	MARKING PARKING STALL
MEWS4	MARKING EDGE LINE 4-INCH (WHITE)(3' LINE, 9' GAP)	× ×	MARKING REMOVAL LINE 4-INCH
MEWS8	MARKING EDGE LINE 8-INCH (WHITE)(3' LINE, 9' GAP)		

NOTE
PLACE BIKE LANE SYMBOL AND BIKE LANE ARROW EVERY 600'

N

MARKING TO FOLLOW APPLICABLE SDDS AND CONSTRUCTION DETAILS

42+00
41+00
S 68TH AVE
STEWART AVE
116+00
117+00
118+00
119+00
120+00
121+00
+24
+37
+47
+50
10'
12'
12'
SYMBL EPOXY
ARRW4 EPOXY
MEW4 EPOXY
SLW18 EPOXY
CWW6 EPOXY
MY4 EPOXY
SYMBL EPOXY
ARRW4 EPOXY
MY4 EPOXY
MEW4 EPOXY
GUY
C

MARKING TO FOLLOW APPLICABLE SDDS AND CONSTRUCTION DETAILS

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PAVEMENT MARKING	SHEET 130	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 03
PLOT DATE : 11/1/2023 6:34 AM
PLOT BY : JESSICA SPLITTGERBER
PLOT NAME :
PLOT SCALE : ##########

LEGEND

ARRW1	MARKING ARROW TYPE 1 (WHITE)	MSY4	MARKING LINE SAME DAY 4-INCH (YELLOW)
ARRW2	MARKING ARROW TYPE 2 (WHITE)	MY4	MARKING LINE 4-INCH (YELLOW)
ARRW3	MARKING ARROW TYPE 3 (WHITE)	MW8	MARKING LINE 8-INCH (WHITE)
ARRW4	BIKE LANE MARKING ARROW (WHITE)	MYD12	MARKING DIAGONAL 12-INCH (YELLOW)(25' C-C AT 45°)
SHRRW	BIKE LANE SYMBOL FOR SHARED LANE (WHITE)	MWD12	MARKING DIAGONAL 12-INCH (WHITE)(25' C-C AT 45°)
WORD	MARKING WORD (WHITE)	SLW18	MARKING STOP LINE 18-INCH (WHITE)
SYMBL	BIKE LANE SYMBOL (WHITE)	CWW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
EPOXY	EPOXY	MYS4	MARKING LINE SKIP 4-INCH (YELLOW)(12 1/2' LINE 37 1/2' GAP)
MEW4	MARKING EDGE LINE 4-INCH (WHITE)	PARK	MARKING PARKING STALL
MEWS4	MARKING EDGE LINE 4-INCH (WHITE)(3' LINE, 9' GAP)	× ×	MARKING REMOVAL LINE 4-INCH
MEWS8	MARKING EDGE LINE 8-INCH (WHITE)(3' LINE, 9' GAP)		

NOTE
PLACE BIKE LANE SYMBOL AND BIKE LANE ARROW EVERY 600'

N

S 56TH AVE

STEWART AVE

SYMBL EPOXY
AARW4 EPOXY
SLW18 EPOXY
CWW6 EPOXY
MEW4 EPOXY
PARK EPOXY
ARRW1 EPOXY
MYS4 EPOXY
MY4 EPOXY

72'
22' TYP
9' TYP
30.2°
10'
12'
12'

+61 +42 +37 +16 +42 +45 +58 +51 +62 +06

151+00 152+00 153+00 154+00 155+00 156+00

61+00 59+00

MARKING TO FOLLOW APPLICABLE SDDS AND CONSTRUCTION DETAILS

MARKING TO FOLLOW APPLICABLE SDDS AND CONSTRUCTION DETAILS

2

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PAVEMENT MARKING	SHEET 131	E

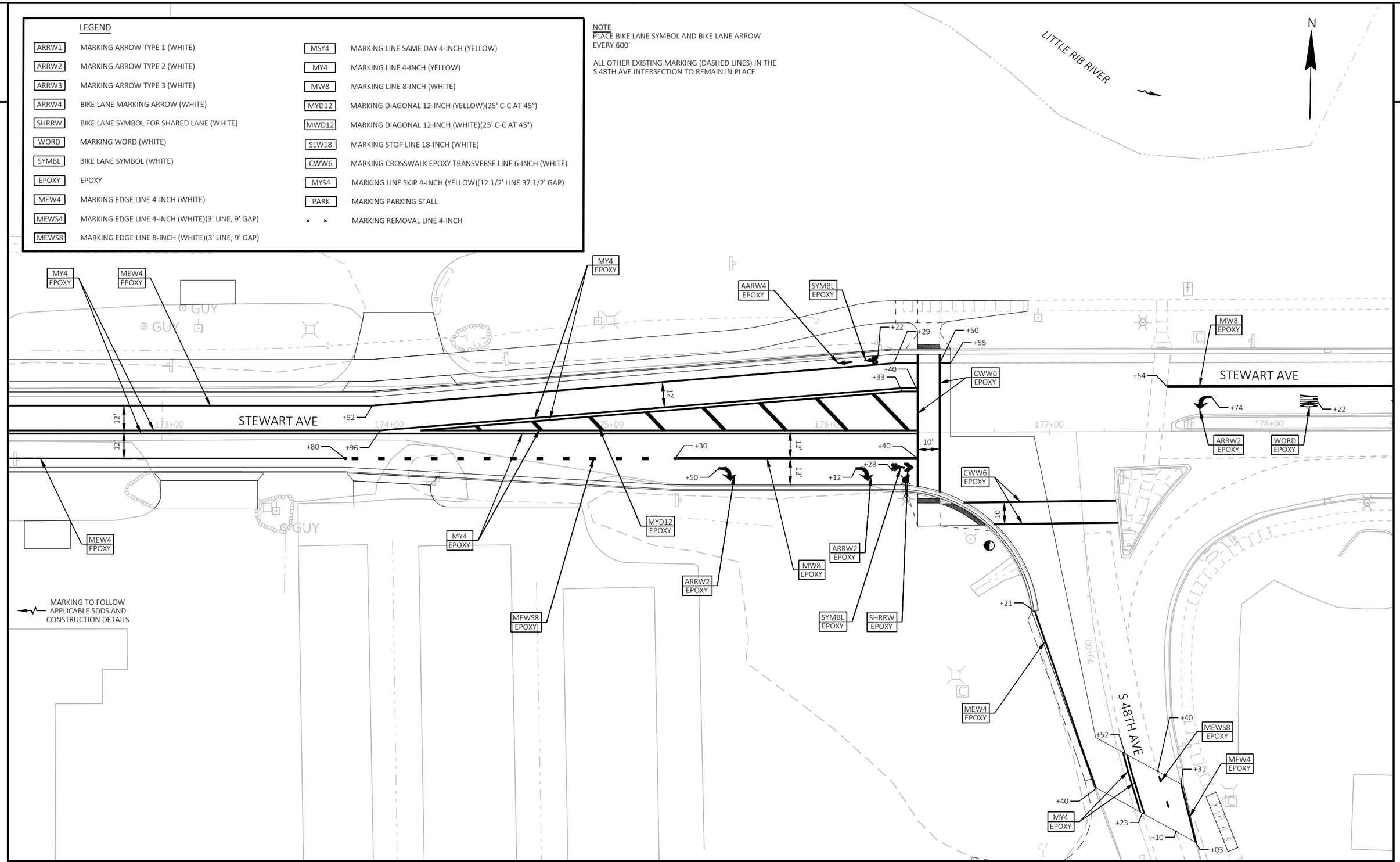
2

LEGEND

ARRW1	MARKING ARROW TYPE 1 (WHITE)	MSY4	MARKING LINE SAME DAY 4-INCH (YELLOW)
ARRW2	MARKING ARROW TYPE 2 (WHITE)	MY4	MARKING LINE 4-INCH (YELLOW)
ARRW3	MARKING ARROW TYPE 3 (WHITE)	MW8	MARKING LINE 8-INCH (WHITE)
ARRW4	BIKE LANE MARKING ARROW (WHITE)	MYD12	MARKING DIAGONAL 12-INCH (YELLOW)(25' C-C AT 45°)
SHRRW	BIKE LANE SYMBOL FOR SHARED LANE (WHITE)	MWD12	MARKING DIAGONAL 12-INCH (WHITE)(25' C-C AT 45°)
WORD	MARKING WORD (WHITE)	SLW18	MARKING STOP LINE 18-INCH (WHITE)
SYMBL	BIKE LANE SYMBOL (WHITE)	CWW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
EPOXY	EPOXY	MYS4	MARKING LINE SKIP 4-INCH (YELLOW)(12 1/2' LINE 37 1/2' GAP)
MEW4	MARKING EDGE LINE 4-INCH (WHITE)	PARK	MARKING PARKING STALL
MEWS4	MARKING EDGE LINE 4-INCH (WHITE)(3' LINE, 9' GAP)	× ×	MARKING REMOVAL LINE 4-INCH
MEWS8	MARKING EDGE LINE 8-INCH (WHITE)(3' LINE, 9' GAP)		

NOTE
PLACE BIKE LANE SYMBOL AND BIKE LANE ARROW EVERY 600'

ALL OTHER EXISTING MARKING (DASHED LINES) IN THE S 48TH AVE INTERSECTION TO REMAIN IN PLACE



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PAVEMENT MARKING	SHEET 132	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 05
PLOT DATE : 11/1/2023 6:34 AM
PLOT BY : JESSICA SPLITTGERBER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

ARRW1	MARKING ARROW TYPE 1 (WHITE)	MSY4	MARKING LINE SAME DAY 4-INCH (YELLOW)
ARRW2	MARKING ARROW TYPE 2 (WHITE)	MY4	MARKING LINE 4-INCH (YELLOW)
ARRW3	MARKING ARROW TYPE 3 (WHITE)	MW8	MARKING LINE 8-INCH (WHITE)
ARRW4	BIKE LANE MARKING ARROW (WHITE)	MYD12	MARKING DIAGONAL 12-INCH (YELLOW)(25' C-C AT 45°)
SHRRW	BIKE LANE SYMBOL FOR SHARED LANE (WHITE)	MWD12	MARKING DIAGONAL 12-INCH (WHITE)(25' C-C AT 45°)
WORD	MARKING WORD (WHITE)	SLW18	MARKING STOP LINE 18-INCH (WHITE)
SYMBL	BIKE LANE SYMBOL (WHITE)	CWW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
EPOXY	EPOXY	MYS4	MARKING LINE SKIP 4-INCH (YELLOW)(12 1/2' LINE 37 1/2' GAP)
MEW4	MARKING EDGE LINE 4-INCH (WHITE)	PARK	MARKING PARKING STALL
MEWS4	MARKING EDGE LINE 4-INCH (WHITE)(3' LINE, 9' GAP)	× ×	MARKING REMOVAL LINE 4-INCH
MEWS8	MARKING EDGE LINE 8-INCH (WHITE)(3' LINE, 9' GAP)		

NOTES
PLACE BIKE LANE SYMBOL AND BIKE LANE ARROW EVERY 600'

* PLACE MARKING ARROW TYPE 2 OR MARKING WORD TO MATCH WHERE EXISTING MARKINGS WERE REMOVED FOR STAGING

N

2

GUY
MW8 EPOXY
STEWART AVE
178+00
179+00
180+00
181+00
+22
+64
+34
+15
+67
* WORD EPOXY
ARRW2 * EPOXY
GUY
GUY
SIGN
SIGN
ROBERTA LN

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PAVEMENT MARKING	SHEET 133	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 06

PLOT DATE : 11/1/2023 6:34 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

TRAFFIC CONTROL GENERAL NOTES

1. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

2. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

3. ALL TYPE III BARRICADES SHALL BE EQUIPPED WITH TYPE "A" (LOW INTENSITY FLASHING LIGHTS) PER SDD'S.

4. PLACE LOW SHOULDER AND UNEVEN LANE SIGNS DURING THE MILLING AND PAVING OPERATION THROUGH THE S 72ND AVE INTERSECTION. SEE SDD "TRAFFIC CONTROL FOR DROP-OFF SIGNING" FOR ADDITIONAL INFORMATION.

5. PLACE GROOVED PAVEMENT AND BUMP SIGNS DURING THE MILLING AND PAVING OPERATIONS THROUGH THE S 72ND AVE INTERSECTION. SEE SDD "TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES" FOR ADDITIONAL INFORMATION.

6. DELINEATE PRIVATE ACCESS WITH TRAFFIC CONTROL DRUMS, WHERE REQUIRED.

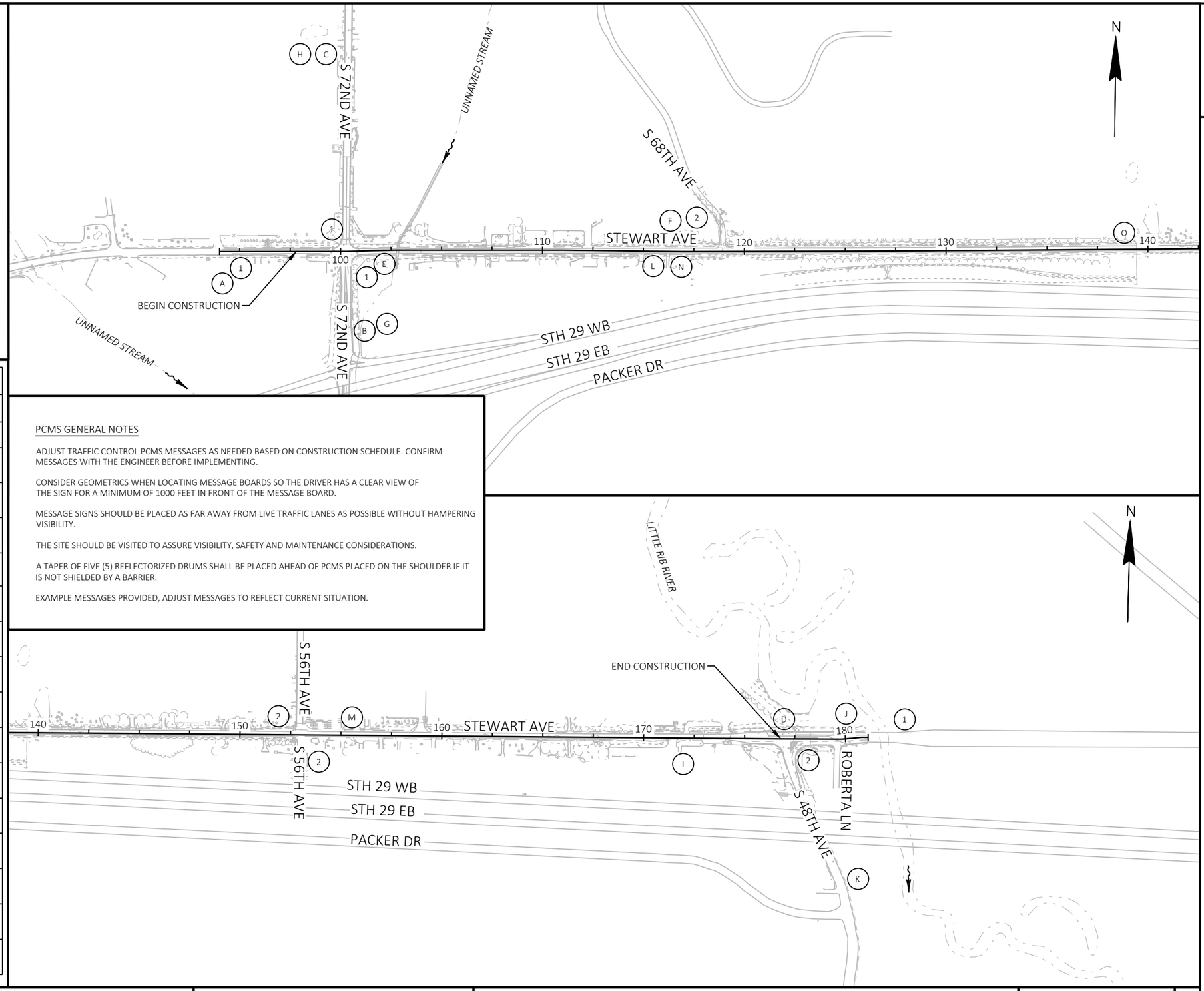
7. PLACE SIGNS AND BARRICADES PER SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" AND "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" WHEN STEWART AVE IS CLOSED.

(1) PLACE TRAFFIC CONTROL SIGNS PER SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC".

(2) PLACE TRAFFIC CONTROL SIGNS PER "TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL" IN SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC".

TRAFFIC CONTROL SIGNS PCMS MESSAGES

			7 DAYS PRIOR TO CLOSURE OR BEGIN OF WORK	
SITE	PCMS SIGN LOCATION	STAGE/WORK OPPERATION	PHASE 1 (2 SEC)	PHASE 2 (2 SEC)
(A)	STEWART AVE EB 0.1 MILES WEST OF 72ND AVE	PRIOR TO CONSTRUCTION	STEWART AVE ROADWORK	BEGINS MONTH-DAY
(B)	S 72ND AVE NB 0.1 MILES SOUTH OF STEWART AVE	PRIOR TO CONSTRUCTION	72ND AVE ROAD WORK	BEGINS MONTH-DAY
(C)	S 72ND AVE SB 0.2 MILES NORTH OF STEWART AVE	PRIOR TO CONSTRUCTION	72ND AVE ROAD WORK	BEGINS MONTH-DAY
(D)	STEWART AVE WB AT 48TH AVE	PRIOR TO CONSTRUCTION	STEWART AVE ROADWORK	BEGINS MONTH-DAY
(E)	STEWART AVE EB 0.03 MILES EAST OF 72ND AVE	1 / SS & TEMP CULVERT AT STA 102	STEWART AVE CLOSURE	BEGINS MONTH-DAY
(F)	STEWART AVE WB 0.04 MILES WEST OF 68TH AVE	1 / SS & TEMP CULVERT AT STA 102	STEWART AVE CLOSURE	BEGINS MONTH-DAY
(G)	S 72ND AVE 0.1 MILES SOUTH OF STEWART AVE	3C / SANITARY SEWER CONNECTION	72ND AVE CLOSURE	BEGINS MONTH-DAY
(H)	S 72ND AVE 0.2 MILES NORTH OF STEWART AVE	3C / SANITARY SEWER CONNECTION	72ND AVE CLOSURE	BEGINS MONTH-DAY
(I)	STEWART AVE EB 0.1 MILES WEST OF 48TH AVE	1 / S 48TH AVE	48TH AVE CLOSURE	BEGINS MONTH-DAY
(J)	STEWART AVE WB 0.05 MILES EAST OF 48TH AVE	1 / S 48TH AVE	48TH AVE CLOSURE	BEGINS MONTH-DAY
(K)	48TH AVE NB 0.15 MILES SOUTH OF STEWART AVE	1 / S 48TH AVE	48TH AVE CLOSURE	BEGINS MONTH-DAY
(L)	STEWART AVE EB 0.1 MILES WEST OF 68TH AVE	3A / ROADWAY CONSTRUCTION	STEWART AVE CLOSURE	BEGINS MONTH-DAY
(M)	STEWART AVE WB 0.05 MILES EAST OF 56TH AVE	3A / ROADWAY CONSTRUCTION	STEWART AVE CLOSURE	BEGINS MONTH-DAY
(N)	STEWART AVE EB 0.1 MILES WEST OF 68TH AVE	1 / S 68TH AVE	68TH AVE CLOSURE	BEGINS MONTH-DAY
(O)	STEWART AVE WB 0.3 MILES EAST OF 68TH AVE	1 / S 68TH AVE	68TH AVE CLOSURE	BEGINS MONTH-DAY



PCMS GENERAL NOTES

ADJUST TRAFFIC CONTROL PCMS MESSAGES AS NEEDED BASED ON CONSTRUCTION SCHEDULE. CONFIRM MESSAGES WITH THE ENGINEER BEFORE IMPLEMENTING.

CONSIDER GEOMETRICS WHEN LOCATING MESSAGE BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE SIGN FOR A MINIMUM OF 1000 FEET IN FRONT OF THE MESSAGE BOARD.

MESSAGE SIGNS SHOULD BE PLACED AS FAR AWAY FROM LIVE TRAFFIC LANES AS POSSIBLE WITHOUT HAMPERING VISIBILITY.

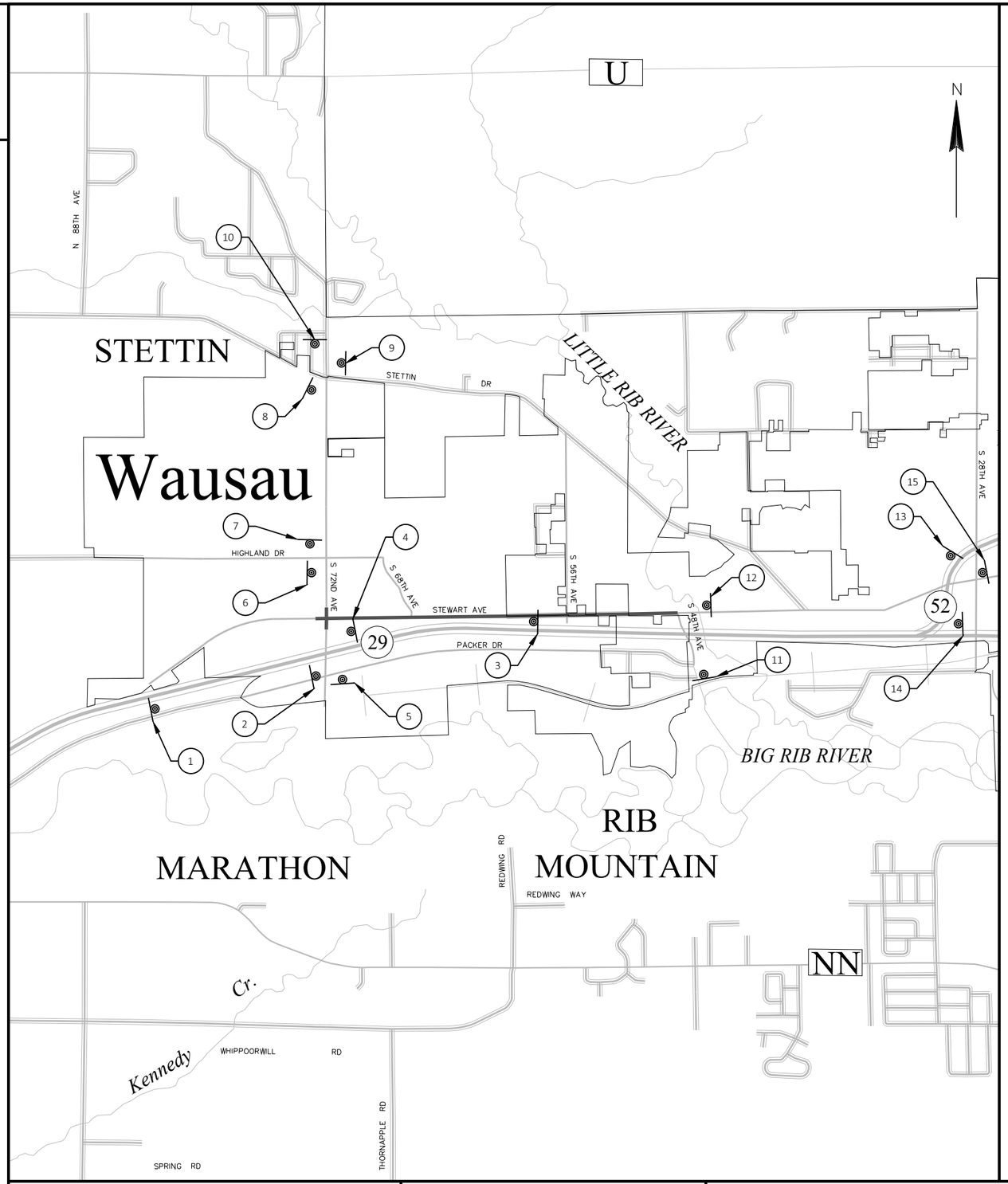
THE SITE SHOULD BE VISITED TO ASSURE VISIBILITY, SAFETY AND MAINTENANCE CONSIDERATIONS.

A TAPER OF FIVE (5) REFLECTORIZED DRUMS SHALL BE PLACED AHEAD OF PCMS PLACED ON THE SHOULDER IF IT IS NOT SHIELDED BY A BARRIER.

EXAMPLE MESSAGES PROVIDED, ADJUST MESSAGES TO REFLECT CURRENT SITUATION.

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - ADVANCED SIGNING AND PCMS OVERVIEW	SHEET 134	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025100-TC.DWG
LAYOUT NAME - 01
PLOT DATE : 8/24/2023 2:38 PM
PLOT BY : NICHOLAS WIEDERIN
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 44



NOTES FOR WIDTH RESTRICTION SIGNING

ALL TRAFFIC CONTROL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

* PLACE S 72ND AVE SIGN ON THE FOLLOWING ASSEMBLIES. (1) (2) (3) (4)

** PLACE S 72ND AVE SIGN ON THE FOLLOWING ASSEMBLIES. (5) (6) (8) (9) (14)

*** PLACE STEWART AVE SIGN ON THE FOLLOWING ASSEMBLIES. (11) (13)

LEGEND

SIGN SUPPORT

PROJECT AREA

(1) STH 29 EB - 2 MILES AHEAD
(2) STH 29 EB 72ND AVE EXIT RAMP - 1/2 MILES AHEAD
(3) STH 29 WB - 2 MILES AHEAD
(4) STH 29 WB 72ND AVE EXIT RAMP - 1/2 MILES AHEAD
(5) PACKER DR / 72ND AVE INTERSECTION - 1/4 MILES AHEAD
(6) HIGHLAND DR / 72ND AVE INTERSECTION - 1/4 MILES AHEAD
(7) HIGHLAND DR / 72ND AVE INTERSECTION - 1/4 MILES AHEAD
(8) STETTIN DR / 72ND AVE INTERSECTION - 1 MILES AHEAD
(9) STETTIN DR / 72ND AVE INTERSECTION - 1 MILES AHEAD
(10) STETTIN DR / 72ND AVE INTERSECTION - 1 MILES AHEAD
(11) S 48TH AVE / PACKER DR INTERSECTION - 1/4 MILES AHEAD
(12) STEWART AVE WB - 1/4 MILES AHEAD
(13) STH 52 WB - 1 1/4 MILES AHEAD
(14) STH 29 WB - 1 1/4 MILES AHEAD
(15) S 28TH AVE / STEWART AVE INTERSECTION - 1 1/4 MILES AHEAD

* S 72ND AVE
FMS
48"X12"

OR

** S 72ND AVE
FMS
36"X12"

MAX. 10' WIDTH
W12-52
48"X48"

XX MILES AHEAD
WO57-52
48"X36"

PLACE SIGNS AT ALL LOCATIONS DURING S 72ND AVE INTERSECTION CONSTRUCTION

*** STEWART AVE
FMS
36"X12"

MAX. 10' WIDTH
W12-52
48"X48"

XX MILES AHEAD
WO57-52
48"X36"

PLACE SIGNS AT ALL LOCATIONS DURING STEWART AVE CONSTRUCTION

2

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - WIDTH RESTRICTIONS	SHEET 135	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025100-TC.DWG
LAYOUT NAME - 02
PLOT DATE : 8/24/2023 4:43 PM
PLOT BY : SCOTT KAISER
PLOT NAME :
PLOT SCALE : 1 IN:0.5 MI
WISDOT/CADDS SHEET 42

2

LEGEND

PROPOSED CONSTRUCTION

ASPHALTIC SURFACE TEMPORARY

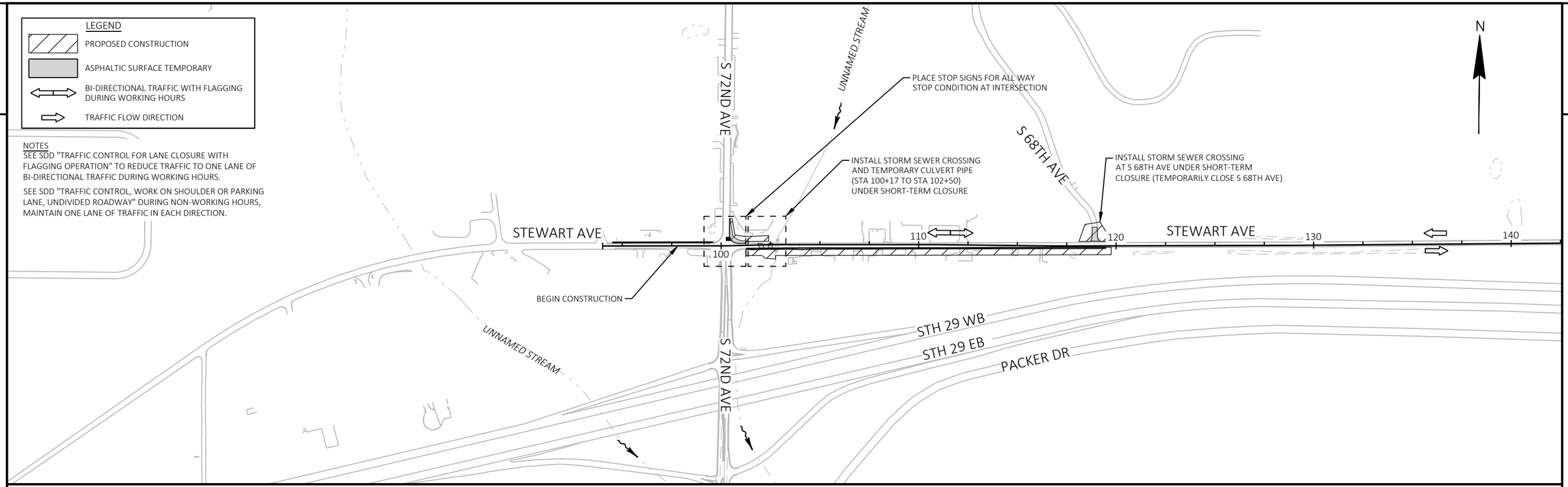
BI-DIRECTIONAL TRAFFIC WITH FLAGGING DURING WORKING HOURS

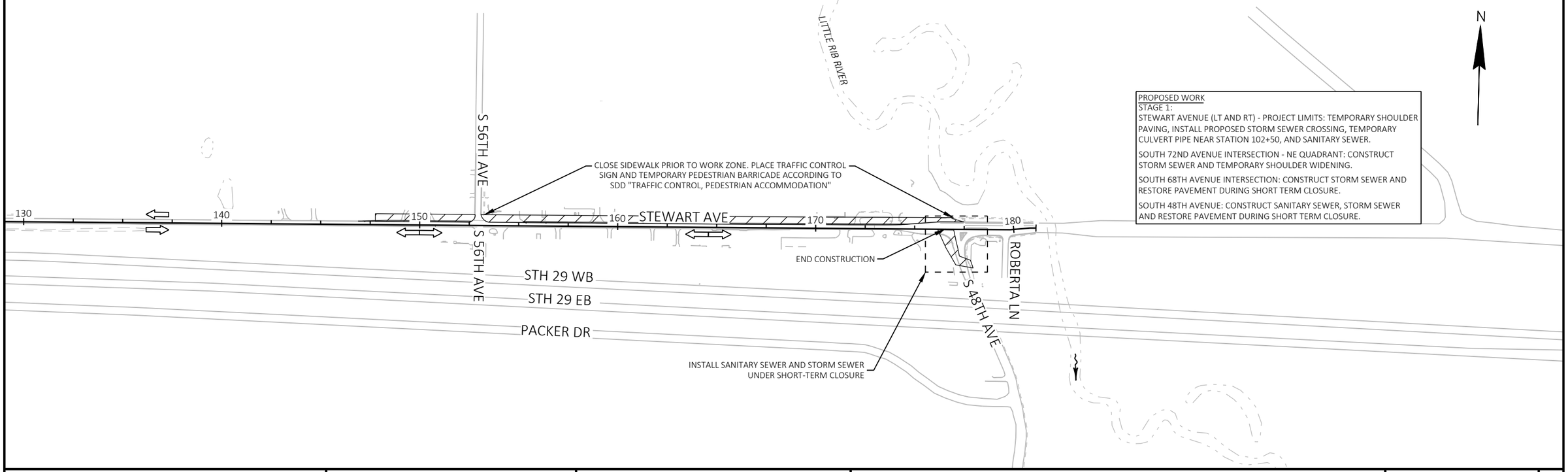
TRAFFIC FLOW DIRECTION

NOTES

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS, MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.





PROPOSED WORK

STAGE 1:

STEWART AVENUE (LT AND RT) - PROJECT LIMITS: TEMPORARY SHOULDER PAVING, INSTALL PROPOSED STORM SEWER CROSSING, TEMPORARY CULVERT PIPE NEAR STATION 102+50, AND SANITARY SEWER.

SOUTH 72ND AVENUE INTERSECTION - NE QUADRANT: CONSTRUCT STORM SEWER AND TEMPORARY SHOULDER WIDENING.

SOUTH 68TH AVENUE INTERSECTION: CONSTRUCT STORM SEWER AND RESTORE PAVEMENT DURING SHORT TERM CLOSURE.

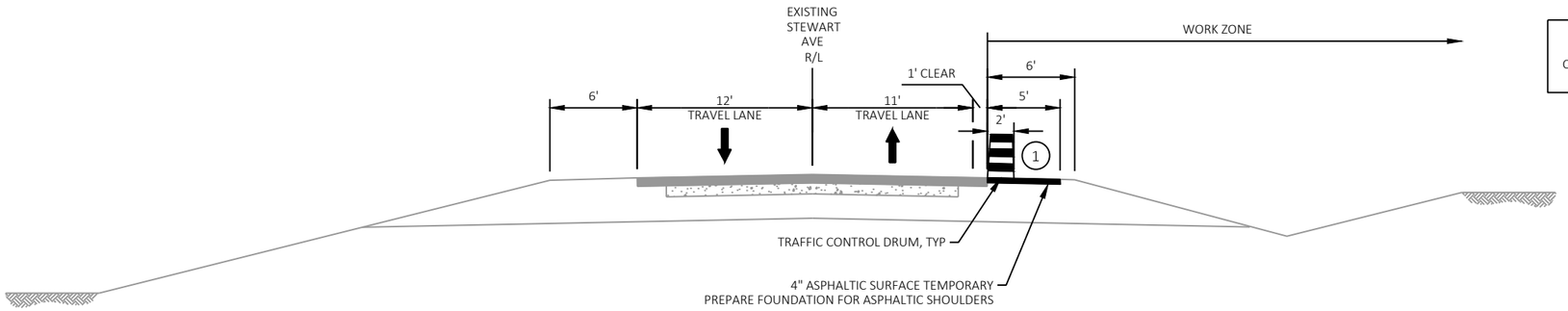
SOUTH 48TH AVENUE: CONSTRUCT SANITARY SEWER, STORM SEWER AND RESTORE PAVEMENT DURING SHORT TERM CLOSURE.

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 1 - OVERVIEW	SHEET 136	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025101-TC.DWG
LAYOUT NAME - 01

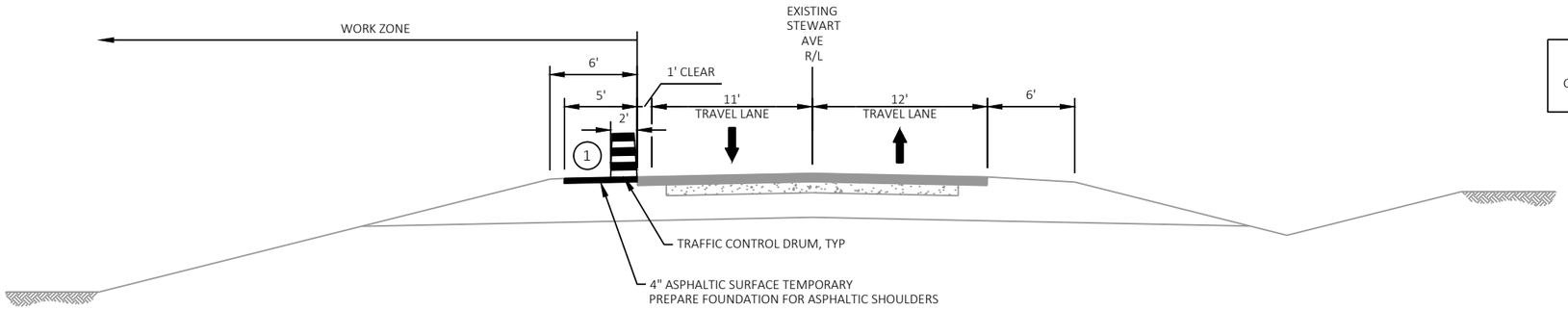
PLOT DATE : 8/24/2023 4:32 PM PLOT BY : SCOTT KAISER PLOT NAME : PLOT SCALE : 1 IN:500 FT

2



PROPOSED WORK STAGE 1
CONSTRUCT TEMPORARY SHOULDER PAVING, RT

STAGE 1 TYPICAL SECTION
STEWART AVE
(S 72ND AVE - S 68TH AVE)



PROPOSED WORK STAGE 1
CONSTRUCT TEMPORARY SHOULDER PAVING, LT

STAGE 1 TYPICAL SECTION
STEWART AVE
(STA 146+90 - S 48TH AVE)

NOTES
TRAFFIC SHOWN DURING NON-WORKING HOURS. FLAG TO ONE-LANE DURING WORK OPERATIONS.

(1) DRUM PLACEMENT SHOWN DURING NON-WORKING HOURS, SEE SDD " TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" TO REDUCE TRAFFIC TO ONE LANE OF BIDIRECTIONAL TRAFFIC DURING WORKING HOURS.

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 1 - TYPICAL SECTIONS	SHEET 137	E

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- SIGN ON TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- 4-INCH ASPHALTIC SURFACE TEMPORARY
- R4 MARKING REMOVAL LINE 4-INCH
- R8 MARKING REMOVAL LINE 8-INCH
- RW MARKING REMOVAL LINE WIDE
- RS MARKING REMOVAL SPECIAL MARKING
- TTY TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- TTW TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- TY TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- TW TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- STP TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- YDT TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE TRAFFIC CONTROL STAGE 2B FOR FINAL STREAM DIVERSION AND BOX CULVERT EXTENSION.

FLAG TRAFFIC THROUGHT THE INTERSECTION DURING WORKING HOURS TO COMPLETE THE STORM SEWER PIPE INSTALLATION.

N

UNNAMED STREAM

S 72ND AVE

R3-2
24"X24"

WORK ZONE FOR SHORT-TERM CLOSURE TO INSTALL STORM SEWER

ROAD CLOSED
R11-2
48"X30"

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR SIGNS, DEVICES AND LAYOUT INFORMATION

STEWART AVE

100+00 101+00 102+00 103+00 104+00 105+00 106+00

R3-1
24"X24"

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED
R11-2
48"X30"

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR SIGNS, DEVICES AND LAYOUT INFORMATION

ONLY
R3-50A
30"X36"

TRAFFIC CONTROL COVERING SIGNS TYPE II

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 1 - SHORT-TERM CLOSURE - PIPE INSTALLATIONS	SHEET 138	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025103-TC.DWG
LAYOUT NAME - 01

PLOT DATE : 8/24/2023 2:39 PM PLOT BY : NICHOLAS WIEDERIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- 4-INCH ASPHALTIC SURFACE TEMPORARY
- R4 MARKING REMOVAL LINE 4-INCH
- R8 MARKING REMOVAL LINE 8-INCH
- RW MARKING REMOVAL LINE WIDE
- RS MARKING REMOVAL SPECIAL MARKING
- TTY TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- TTW TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- TY TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- TW TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- STP TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- YDT TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.

N

S 72ND AVE

STEWART AVE

ASPHALTIC CURB

STA 19+50.06
O/S 33.93' RT

ASPHALTIC FLUME

STA 20+05.09
O/S 92.00' RT
STA 101+20.93
O/S 101.92' LT

COVER PLATE TEMPORARY

R80'

16'

16'

15' TYP

ASPHALTIC SURFACE PATCHING

50' TYP

11'

11'

12'

12'

14'

UNNAMED STREAM

W3-1
36"X36"

REPLACE SIGNAL AHEAD
SIGN WITH STOP AHEAD
SIGN AT STA 29+69

W3-1
36"X36"

REPLACE SIGNAL AHEAD
SIGN WITH STOP AHEAD
SIGN AT STA 106+32

STOP
R1-1
36"X36"

STOP
R1-1
36"X36"

STOP
R1-1
36"X36"

STOP
R1-1
36"X36"

W3-1
36"X36"

REPLACE SIGNAL AHEAD
SIGN WITH STOP AHEAD
SIGN AT STA 94+81

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADDITIONAL INFORMATION.

W3-1
36"X36"

REPLACE SIGNAL AHEAD
SIGN WITH STOP AHEAD
SIGN AT STA 15+39

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 1 - S 72ND AVE INTERSECTION TEMP PAVING DETAIL	SHEET 139	E

2

LEGEND

	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
	EXISTING PAVEMENT MARKING
	DIRECTION OF TRAFFIC
	SIGN ON PERMANENT/TEMPORARY SUPPORT
	CONCRETE BARRIER TEMPORARY PRECAST
	CRASH CUSHIONS TEMPORARY
	WORK AREA
	4-INCH ASPHALTIC SURFACE TEMPORARY

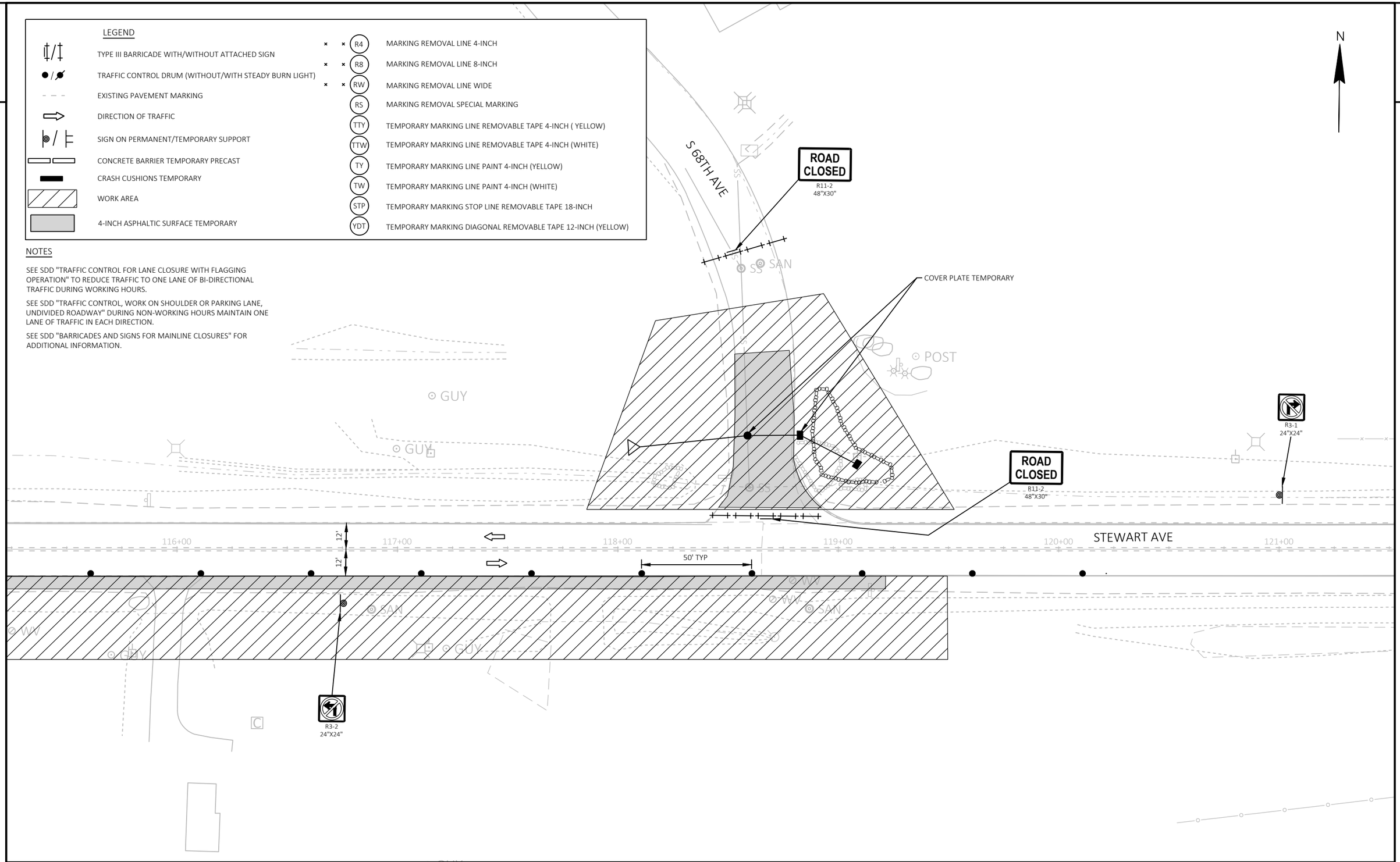
R4	MARKING REMOVAL LINE 4-INCH
R8	MARKING REMOVAL LINE 8-INCH
RW	MARKING REMOVAL LINE WIDE
RS	MARKING REMOVAL SPECIAL MARKING
TTY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TTW	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TY	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TW	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
STP	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
YDT	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR ADDITIONAL INFORMATION.



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 1 - S 72ND AVE INTERSECTION TEMP PAVING DETAIL	SHEET 140 E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025104-TC.DWG
LAYOUT NAME - 02

PLOT DATE : 8/24/2023 4:39 PM PLOT BY : SCOTT KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- TEMPORARY PEDESTRIAN BARRICADE
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- 4-INCH ASPHALTIC SURFACE TEMPORARY
- R4 MARKING REMOVAL LINE 4-INCH
- R8 MARKING REMOVAL LINE 8-INCH
- RW MARKING REMOVAL LINE WIDE
- RS MARKING REMOVAL SPECIAL MARKING
- TTY TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- TTW TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- TY TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- TW TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- STP TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- YDT TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

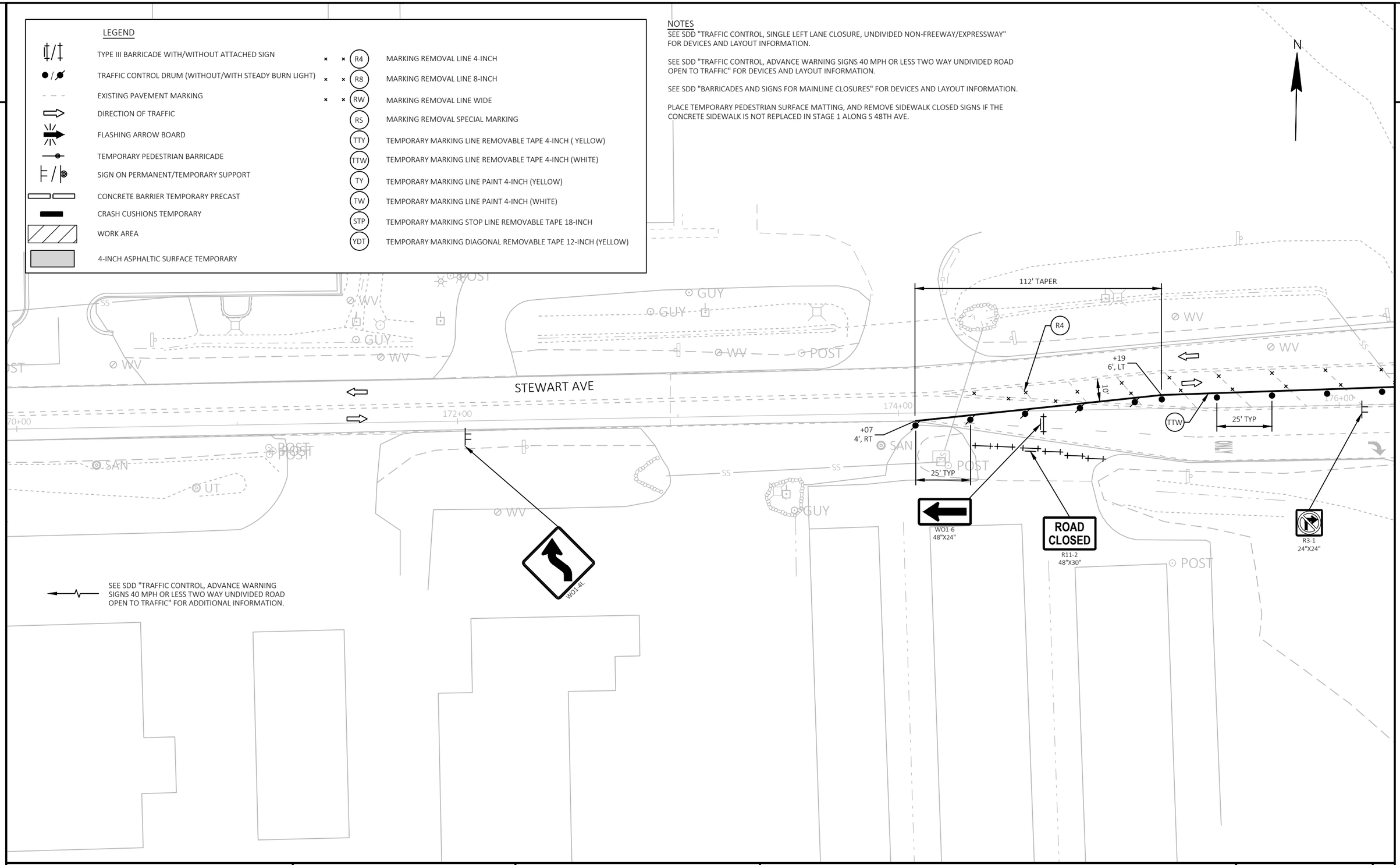
NOTES

SEE SDD "TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR DEVICES AND LAYOUT INFORMATION.

PLACE TEMPORARY PEDESTRIAN SURFACE MATTING, AND REMOVE SIDEWALK CLOSED SIGNS IF THE CONCRETE SIDEWALK IS NOT REPLACED IN STAGE 1 ALONG S 48TH AVE.

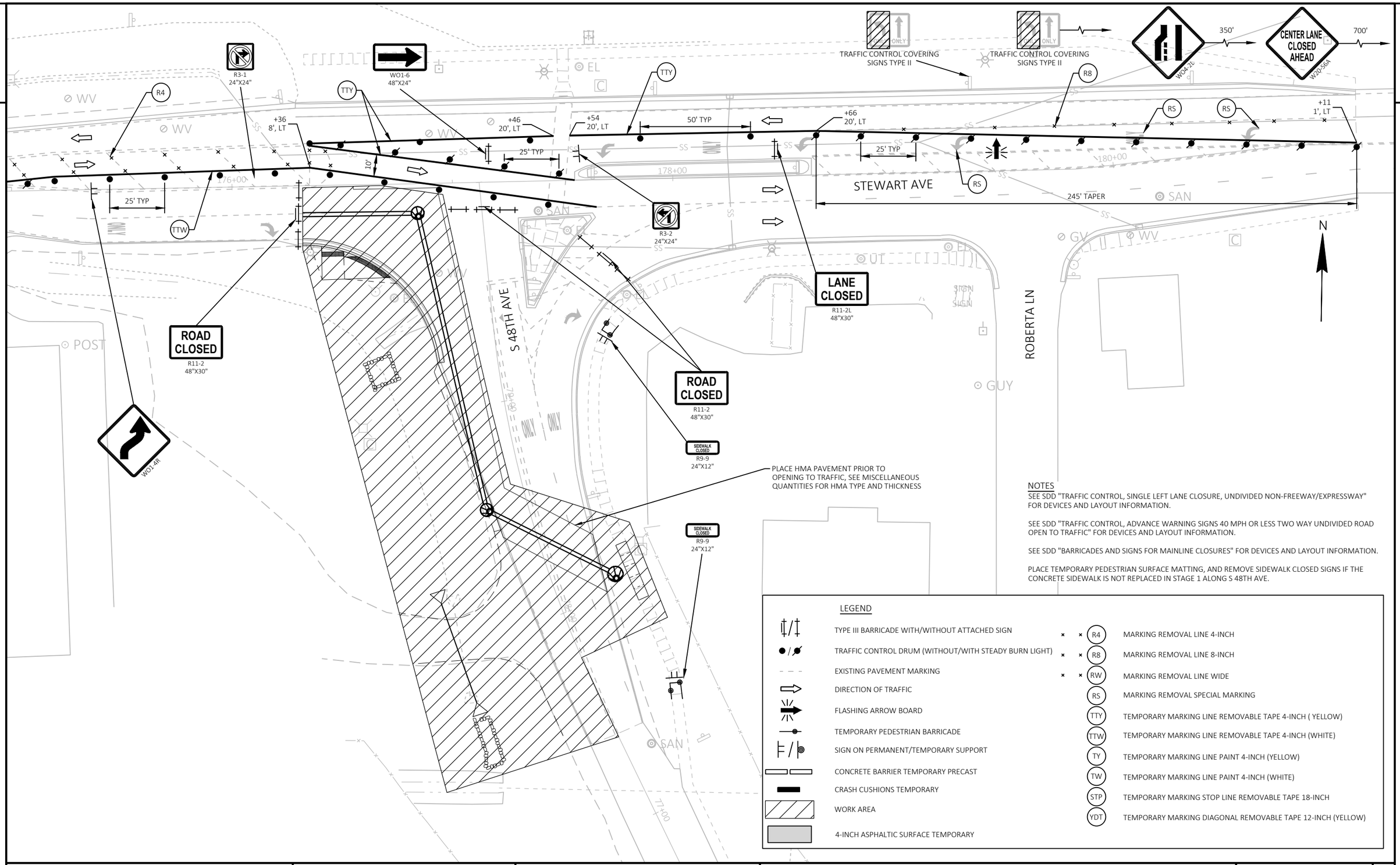


SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADDITIONAL INFORMATION.

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 1 - SHORT-TERM CLOSURE - S 48TH AVE	SHEET 141	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025105-TC.DWG
LAYOUT NAME - 01

PLOT DATE : 10/20/2023 8:22 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT



NOTES

SEE SDD "TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR DEVICES AND LAYOUT INFORMATION.

PLACE TEMPORARY PEDESTRIAN SURFACE MATTING, AND REMOVE SIDEWALK CLOSED SIGNS IF THE CONCRETE SIDEWALK IS NOT REPLACED IN STAGE 1 ALONG S 48TH AVE.

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- TEMPORARY PEDESTRIAN BARRICADE
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- 4-INCH ASPHALTIC SURFACE TEMPORARY

- R4 — MARKING REMOVAL LINE 4-INCH
- R8 — MARKING REMOVAL LINE 8-INCH
- RW — MARKING REMOVAL LINE WIDE
- RS — MARKING REMOVAL SPECIAL MARKING
- TTY — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- TTW — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- TY — TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- TW — TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- STP — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- YDT — TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 1 - SHORT-TERM CLOSURE - S 48TH AVE	SHEET 142	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025105-TC.DWG
LAYOUT NAME - 02
PLOT DATE : 11/1/2023 7:00 AM
PLOT BY : JESSICA SPLITTGERBER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- TEMPORARY PEDESTRIAN BARRICADE
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- 4-INCH ASPHALTIC SURFACE TEMPORARY

- R4 MARKING REMOVAL LINE 4-INCH
- R8 MARKING REMOVAL LINE 8-INCH
- RW MARKING REMOVAL LINE WIDE
- RS MARKING REMOVAL SPECIAL MARKING
- TTY TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- TTW TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- TY TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- TW TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- STP TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- YDT TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

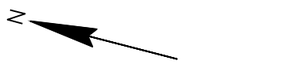
NOTES

SEE SDD "TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR DEVICES AND LAYOUT INFORMATION.

PLACE TEMPORARY PEDESTRIAN SURFACE MATTING, AND REMOVE SIDEWALK CLOSED SIGNS IF THE CONCRETE SIDEWALK IS NOT REPLACED IN STAGE 1 ALONG S 48TH AVE.





SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADDITIONAL INFORMATION.



2

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 1 - SHORT-TERM CLOSURE - S 48TH AVE	SHEET 143	E

2

LEGEND

PROPOSED CONSTRUCTION

ASPHALTIC SURFACE TEMPORARY

BI-DIRECTIONAL TRAFFIC WITH FLAGGING DURING WORKING HOURS

TRAFFIC FLOW DIRECTION

N

S 72ND AVE

UNNAMED STREAM

S 68TH AVE

STEWART AVE

100

110

120

130

140

BEGIN CONSTRUCTION

UNNAMED STREAM

STH 29 WB

STH 29 EB

PACKER DR

S 72ND AVE

ROAD CLOSED TO EASTBOUND TRAFFIC EAST OF S 68TH AVE. SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" AND TRAFFIC CONTROL INTERSECTION DETAIL FOR ADDITIONAL INFORMATION.

2

N

LITTLE RIB RIVER

S 56TH AVE

END CONSTRUCTION

130

140

150

160

STEWART AVE

170

180

ROBERTA LN

S 48TH AVE

STH 29 WB

STH 29 EB

PACKER DR

S 56TH AVE

ROAD CLOSED TO EASTBOUND TRAFFIC EAST AND WEST OF S 56TH AVE. SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" AND TRAFFIC CONTROL INTERSECTION DETAIL FOR ADDITIONAL INFORMATION.

PROPOSED WORK

STAGE 2A:

STEWART AVENUE (RT) - SOUTH 56TH AVENUE TO SOUTH 48TH AVENUE: CONSTRUCT SANITARY SEWER, STORM SEWER, AND PROPOSED ROADWAY

SOUTH 72ND AVENUE INTERSECTION - NW QUADRANT: CONSTRUCT STORM SEWER, TRAFFIC SIGNALS, MULTI-USE TRAIL, AND PROPOSED ROADWAY

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 2A - OVERVIEW	SHEET 144	E

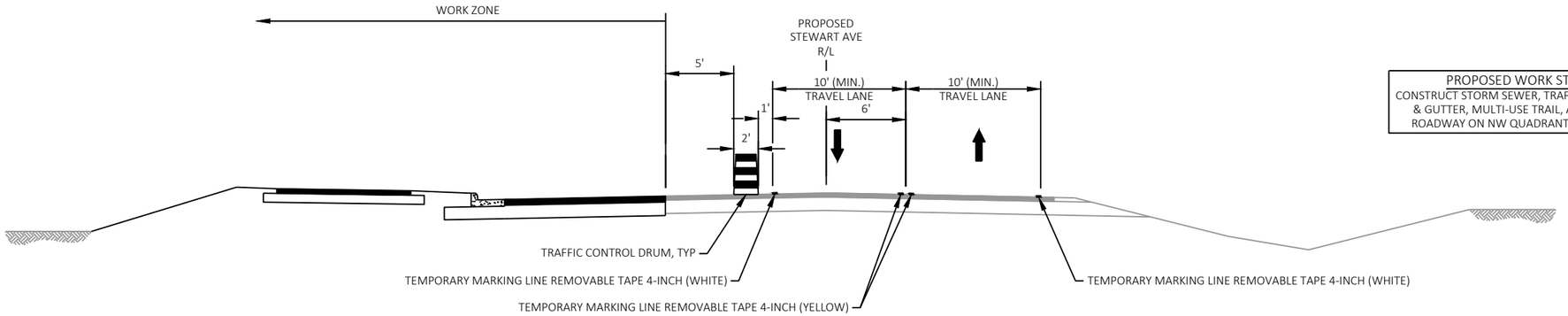
FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025101-TC.DWG
LAYOUT NAME - 02

PLOT DATE : 8/24/2023 5:49 PM

PLOT BY : SCOTT KAISER

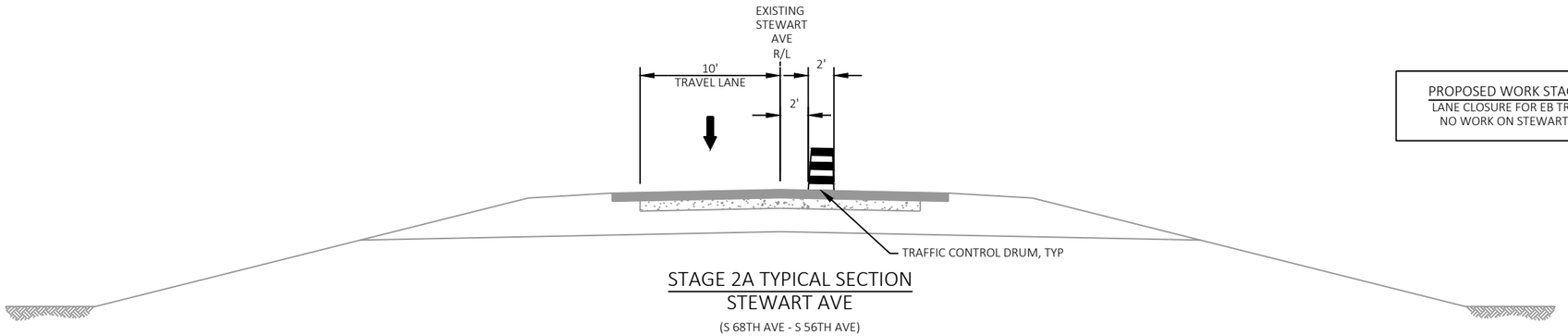
PLOT NAME :

PLOT SCALE : 1 IN:500 FT



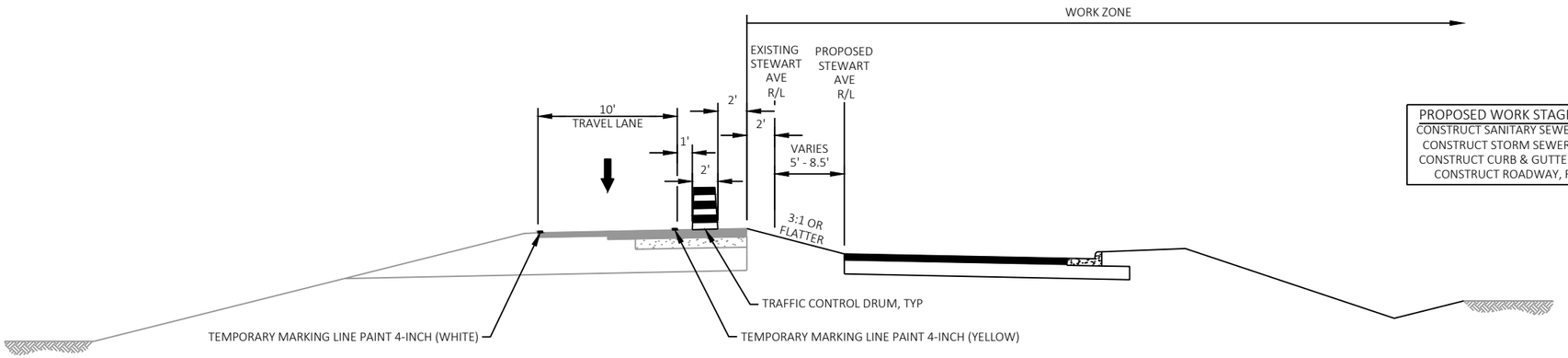
PROPOSED WORK STAGE 2A
CONSTRUCT STORM SEWER, TRAFFIC SIGNALS, CURB & GUTTER, MULTI-USE TRAIL, AND PROPOSED ROADWAY ON NW QUADRANT OF S 72ND AVE

STAGE 2A TYPICAL SECTION
STEWART AVE
(WEST OF S 72ND AVE)



PROPOSED WORK STAGE 2A
LANE CLOSURE FOR EB TRAFFIC
NO WORK ON STEWART AVE

STAGE 2A TYPICAL SECTION
STEWART AVE
(S 68TH AVE - S 56TH AVE)



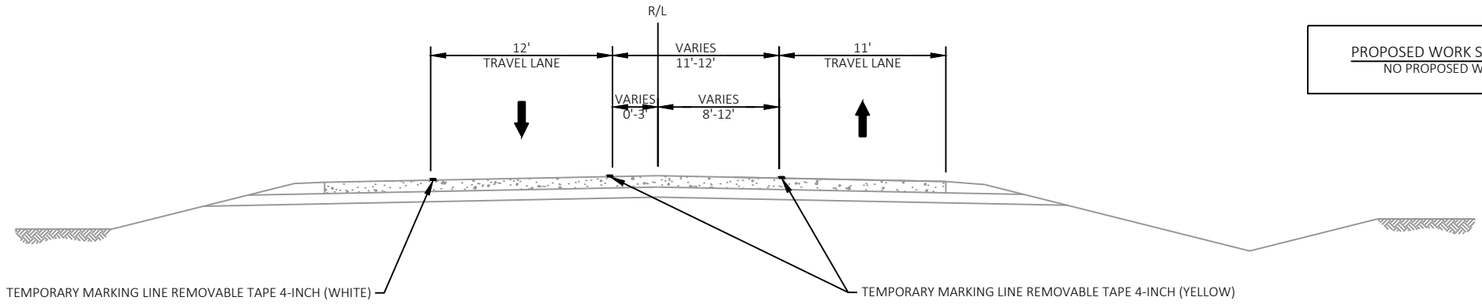
PROPOSED WORK STAGE 2A
CONSTRUCT SANITARY SEWER, RT
CONSTRUCT STORM SEWER, RT
CONSTRUCT CURB & GUTTER, RT
CONSTRUCT ROADWAY, RT *

STAGE 2A TYPICAL SECTION
STEWART AVE
(STA 146+90 - S 48TH AVE)

NOTES
* COMPLETE ROADWAY FROM STA 149+50 AVE TO S 48TH AVE PRIOR TO ADVANCING TO STAGE 2B

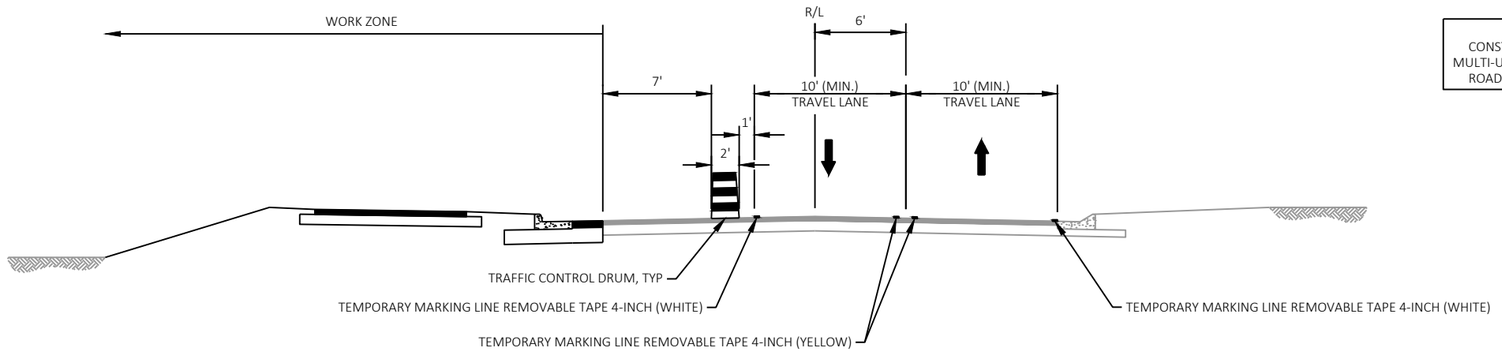
ONE LANE MAY BE CLOSED TO CONSTRUCT THE NW QUADRANT OF THE 72ND AVE INTERSECTION DURING WORKING HOURS, SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" FOR ADDITIONAL INFORMATION

2



PROPOSED WORK STAGE 2A
NO PROPOSED WORK

STAGE 2A TYPICAL SECTION
S 72ND AVE
(SOUTH OF STEWART AVE)



PROPOSED WORK STAGE 2A
CONSTRUCT STORM SEWER, TRAFFIC SIGNALS, MULTI-USE TRAIL, CURB & GUTTER, AND PROPOSED ROADWAY ON NW QUADRANT OF S 72ND AVE

STAGE 2A TYPICAL SECTION
S 72ND AVE
(NORTH OF STEWART AVE)

NOTE
ONE LANE MAY BE CLOSED TO CONSTRUCT THE NW QUADRANT OF THE 72ND AVE INTERSECTION DURING WORKING HOURS, SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" FOR ADDITIONAL INFORMATION

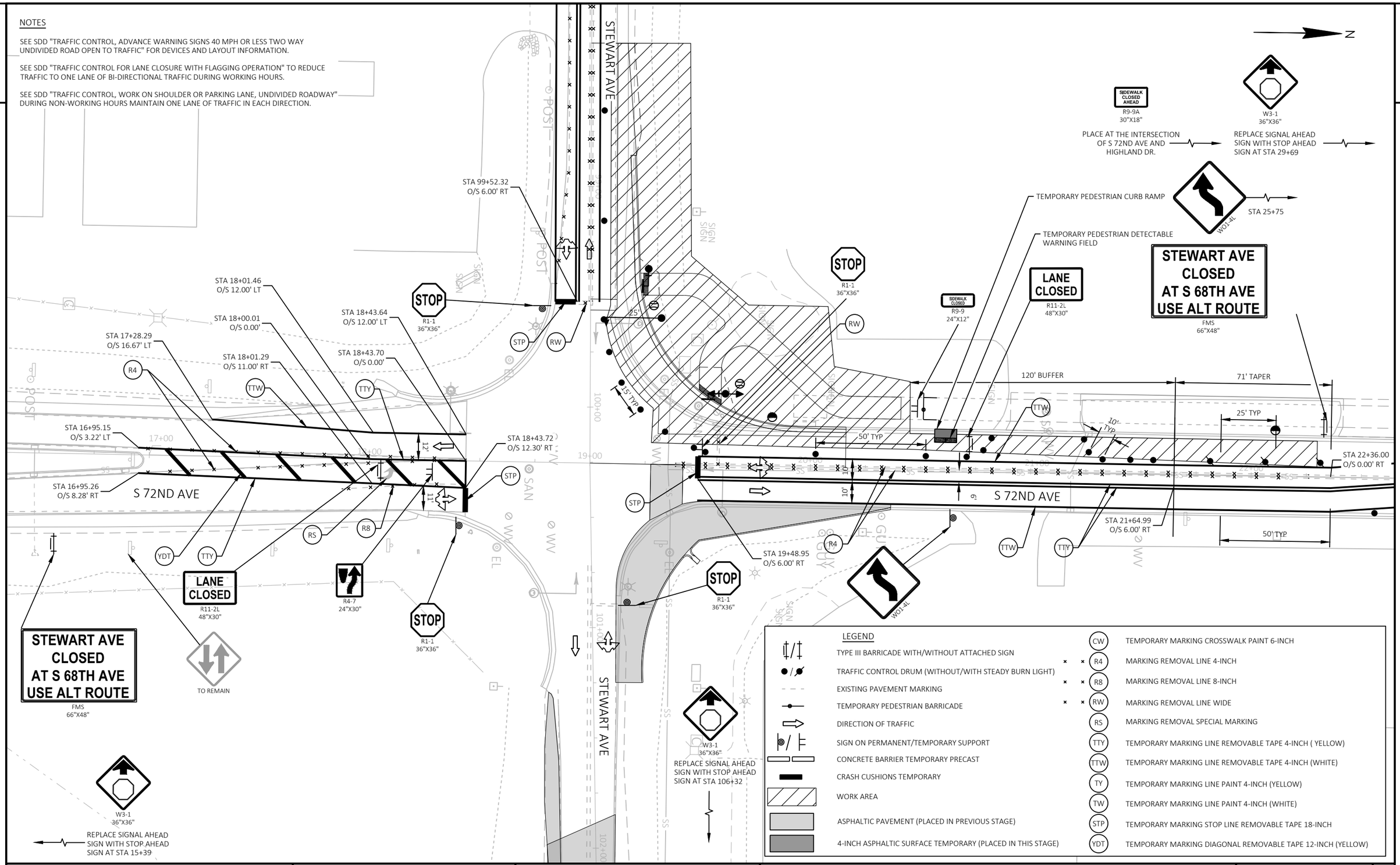
2

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 2A - S 72ND AVE INTERSECTION DETAIL	SHEET 147	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025106-TC.DWG
LAYOUT NAME - 02
PLOT DATE : 10/20/2023 8:35 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- SIGN ON TEMPORARY SUPPORT / SIGN ON PERMANENT SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT
- 4-INCH ASPHALTIC SURFACE TEMPORARY (PLACED IN THIS STAGE)

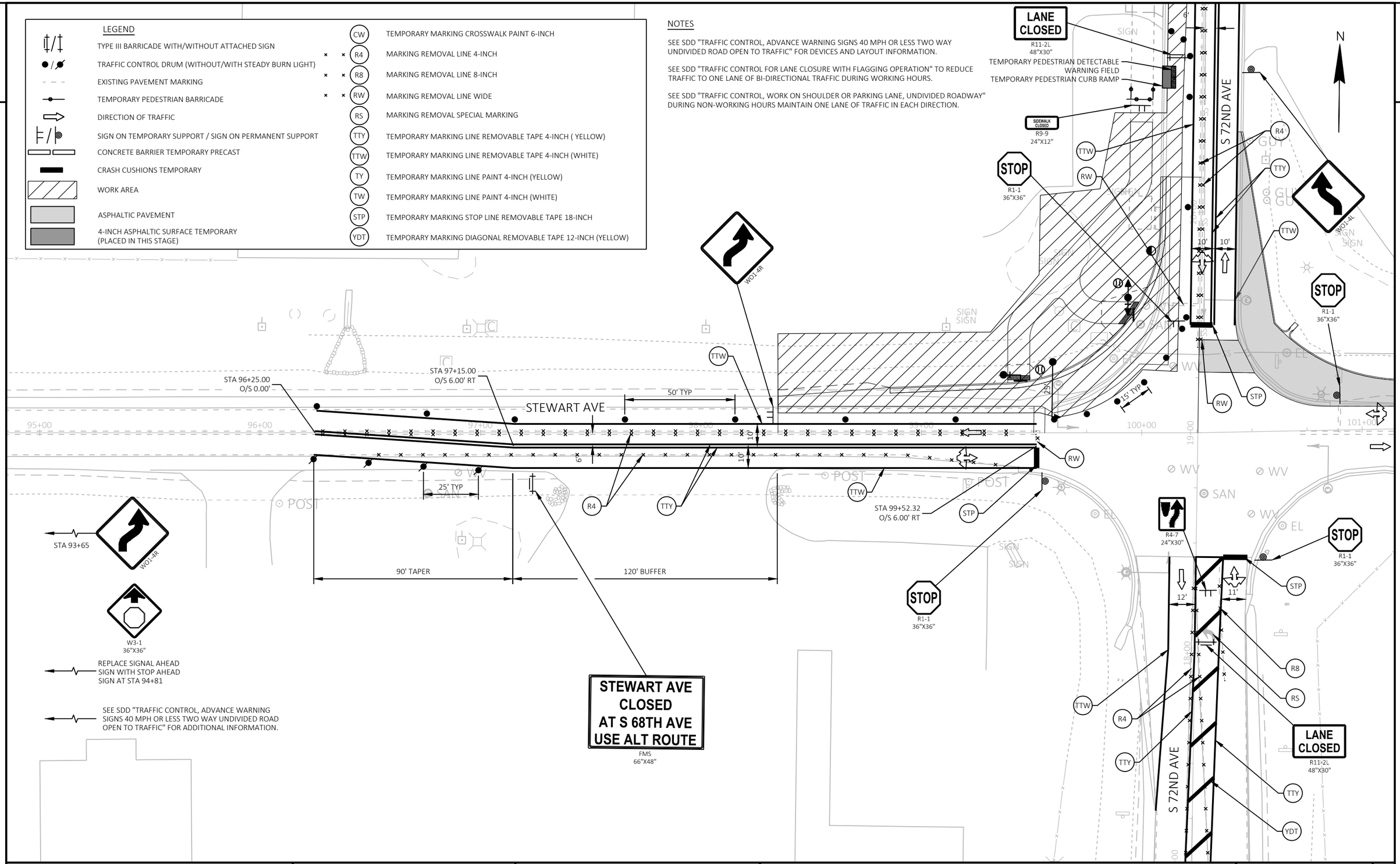
- (CW) TEMPORARY MARKING CROSSWALK PAINT 6-INCH
- (R4) MARKING REMOVAL LINE 4-INCH
- (R8) MARKING REMOVAL LINE 8-INCH
- (RW) MARKING REMOVAL LINE WIDE
- (RS) MARKING REMOVAL SPECIAL MARKING
- (TTY) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- (TTW) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- (TY) TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- (TW) TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- (STP) TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- (YDT) TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 2A - S 72ND AVE INTERSECTION DETAIL	SHEET 148	E

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT (PLACED IN PREVIOUS STAGE)
- 4-INCH ASPHALTIC SURFACE TEMPORARY (PLACED IN THIS STAGE)

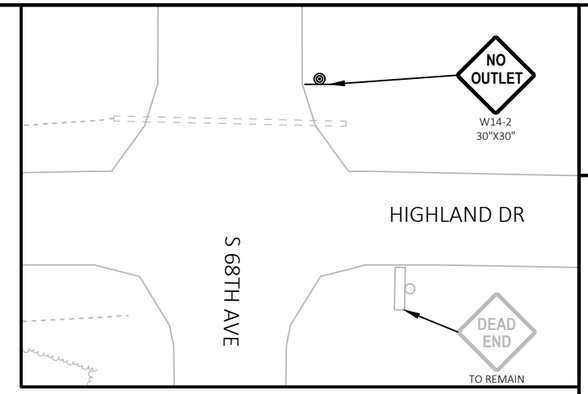
CW	TEMPORARY MARKING CROSSWALK PAINT 6-INCH
R4	MARKING REMOVAL LINE 4-INCH
R8	MARKING REMOVAL LINE 8-INCH
RW	MARKING REMOVAL LINE WIDE
RS	MARKING REMOVAL SPECIAL MARKING
TTY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TTW	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TY	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TW	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
STP	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
YDT	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR DEVICES AND LAYOUT INFORMATION

N



DETAIL A

SEE SDD "TRAFFIC CONTROL, ONE-WAY SIGNING" FOR DEVICES AND LAYOUT INFORMATION FOR ADDITIONAL SIGNS ALONG STEWART AVE WHERE TRAFFIC IS ONLY IN WB LANE

SEE DETAIL A FOR TRAFFIC CONTROL DEVICES AT S 68TH AVE AND HIGHLAND DR INTERSECTION

S 68TH AVE

R3-2
24"X24"

R6-1R
36"X12"

STOP
TO REMAIN

DO NOT ENTER
R5-1
30"X30"

STA 118+62.50

STP

15' TYP

STEWART AVE

50' TYP

STOP
R1-1
36"X36"

ONE WAY
R6-2R
24"X30"

ROAD CLOSED
R11-2
48"X30"

WO1-6
48"X24"

ROAD CLOSED
R11-2
48"X30"

STA 114+91

ROAD CLOSED 500 FT
W20-3D

STA 109+91

ROAD CLOSED 1000 FT
W20-3C

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 2A - S 68TH AVE INTERSECTION DETAIL	SHEET 149	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025106-TC.DWG
LAYOUT NAME - 03

PLOT DATE : 10/20/2023 8:39 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- SIGN ON TEMPORARY SUPPORT / SIGN ON PERMANENT SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT
- 4-INCH ASPHALTIC SURFACE TEMPORARY (PLACED IN THIS STAGE)

- (CW) TEMPORARY MARKING CROSSWALK PAINT 6-INCH
- (R4) MARKING REMOVAL LINE 4-INCH
- (R8) MARKING REMOVAL LINE 8-INCH
- (RW) MARKING REMOVAL LINE WIDE
- (RS) MARKING REMOVAL SPECIAL MARKING
- (TTY) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- (TTW) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- (TY) TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- (TW) TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- (STP) TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- (YDT) TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

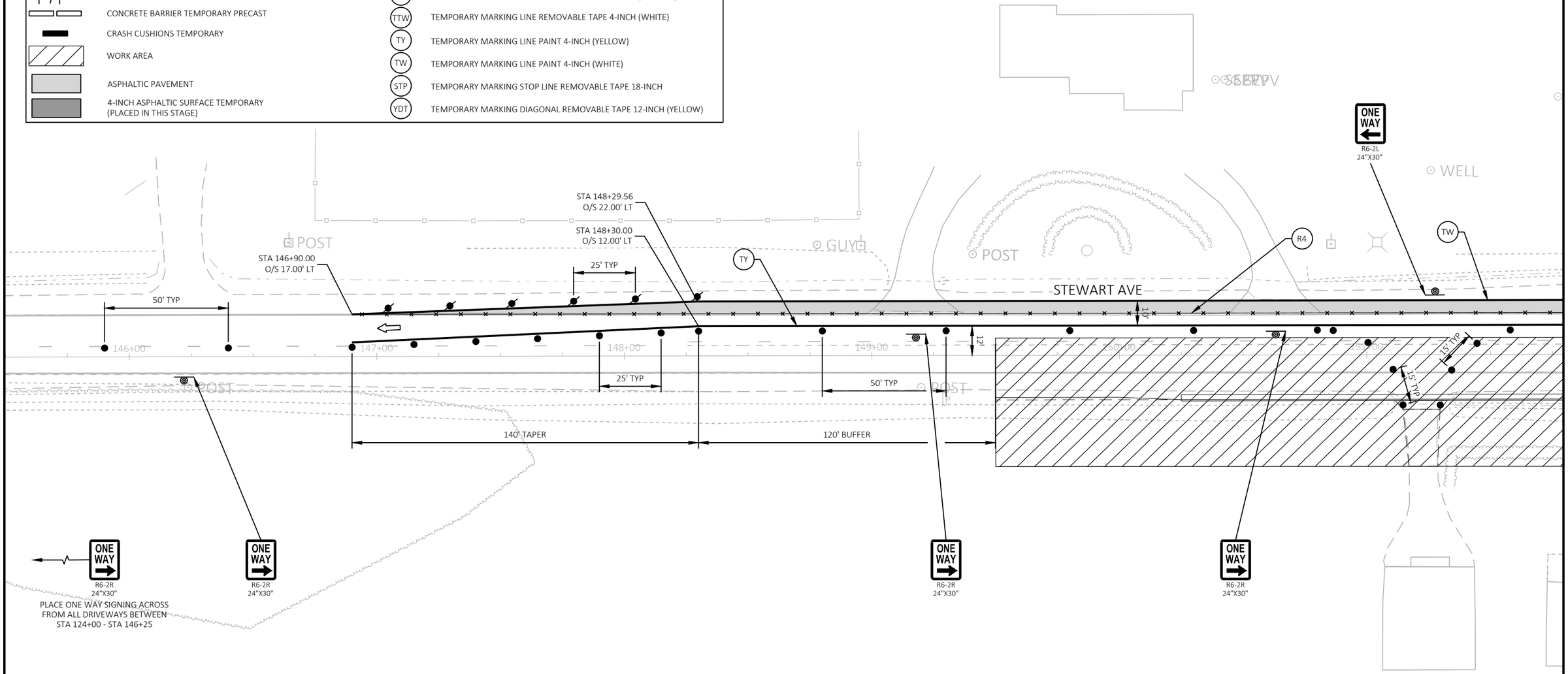
NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL, ONE-WAY SIGNING" FOR DEVICES AND LAYOUT INFORMATION FOR ADDITIONAL SIGNS ALONG STEWART AVE WHERE TRAFFIC IS ONLY IN WB LANE.

N

2



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 2A - S 56TH AVE INTERSECTION DETAIL	SHEET 150	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025106-TC.DWG
LAYOUT NAME - 04
PLOT DATE : 8/24/2023 2:42 PM
PLOT BY : NICHOLAS WIEDERIN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	
TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)	
EXISTING PAVEMENT MARKING	
TEMPORARY PEDESTRIAN BARRICADE	
DIRECTION OF TRAFFIC	
SIGN ON TEMPORARY SUPPORT / SIGN ON PERMANENT SUPPORT	
CONCRETE BARRIER TEMPORARY PRECAST	
CRASH CUSHIONS TEMPORARY	
WORK AREA	
ASPHALTIC PAVEMENT	
4-INCH ASPHALTIC SURFACE TEMPORARY (PLACED IN THIS STAGE)	
CW	TEMPORARY MARKING CROSSWALK PAINT 6-INCH
R4	MARKING REMOVAL LINE 4-INCH
R8	MARKING REMOVAL LINE 8-INCH
RW	MARKING REMOVAL LINE WIDE
RS	MARKING REMOVAL SPECIAL MARKING
TTY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TTW	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TY	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TW	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
STP	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
YDT	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL, ONE-WAY SIGNING" FOR DEVICES AND LAYOUT INFORMATION FOR ADDITIONAL SIGNS ALONG STEWART AVE WHERE TRAFFIC IS ONLY IN WB LANE.

N

PLACE ONE WAY SIGNING ACROSS FROM ALL DRIVEWAYS BETWEEN STA 157+00 - STA 174+00

ONE WAY R6-2L 24"X30" OR ONE WAY R6-2R 24"X30"

ONE WAY R6-2L 24"X30"

W01-4L

R3-2 24"X24" ONE WAY R6-1R 36"X12"

STOP TO REMAIN

S 56TH AVE

61+00

STA 152+67.67 O/S 12.00' LT

STA 152+56.94 O/S 22.00' LT

ROAD CLOSED R11-2 48"X30"

DO NOT ENTER R5-1 30"X30"

ONE WAY R6-2L 24"X30"

ONE WAY R6-2R 24"X30"

ONE WAY R6-2L 24"X30"

ONE WAY R6-2L 24"X30"

ONE WAY R6-2R 24"X30"

ONE WAY R6-2L 24"X30"

STEWART AVE

50' TYP

10'

STA 153+31.84 O/S 12.00' LT

15' TYP

LANE CLOSED R11-2L 48"X30"

STOP R1-1 30"X30"

R3-1 24"X24" ONE WAY R6-1L 36"X12"

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 2A - S 56TH AVE INTERSECTION DETAIL	SHEET 151	E

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT (PLACED IN PREVIOUS STAGE)
- 4-INCH ASPHALTIC SURFACE TEMPORARY (PLACED IN THIS STAGE)

- (CW) TEMPORARY MARKING CROSSWALK PAINT 6-INCH
- (R4) MARKING REMOVAL LINE 4-INCH
- (R8) MARKING REMOVAL LINE 8-INCH
- (RW) MARKING REMOVAL LINE WIDE
- (RS) MARKING REMOVAL SPECIAL MARKING
- (TTY) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- (TTW) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- (TY) TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- (TW) TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- (STP) TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- (YDT) TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTE

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

N

STEWART AVE CLOSED AT S 56TH AVE USE ALT ROUTE

FMS 66"X48"

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADDITIONAL INFORMATION.

SEE SDD "TRAFFIC CONTROL, ONE-WAY SIGNING" FOR DEVICES AND LAYOUT INFORMATION FOR ADDITIONAL SIGNS ALONG STEWART AVE WHERE TRAFFIC IS ONLY IN WB LANE.

TW

R4

TY

STA 174+80.18
O/S 25.00' LT

TIE INTO EXISTING PAVEMENT MARKINGS

STA 174+91.61
O/S 15.00' LT

50' TYP

10'

15' TYP

STEWART AVE

ONE WAY
R6-2R
24"X30"

PLACE ONE WAY SIGNING ACROSS FROM ALL DRIVEWAYS BETWEEN STA 157+00 - STA 174+00

ONE WAY
R6-2L
24"X30"

OR

ONE WAY
R6-2R
24"X30"

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADDITIONAL INFORMATION.

S 48TH AVE

ONLY

STOP
TO REMAIN

ROBERTA LN

SIGN
SIGN

GUY

POST

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 2A - S 48TH AVE INTERSECTION DETAIL	SHEET 152	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025106-TC.DWG
LAYOUT NAME - 06

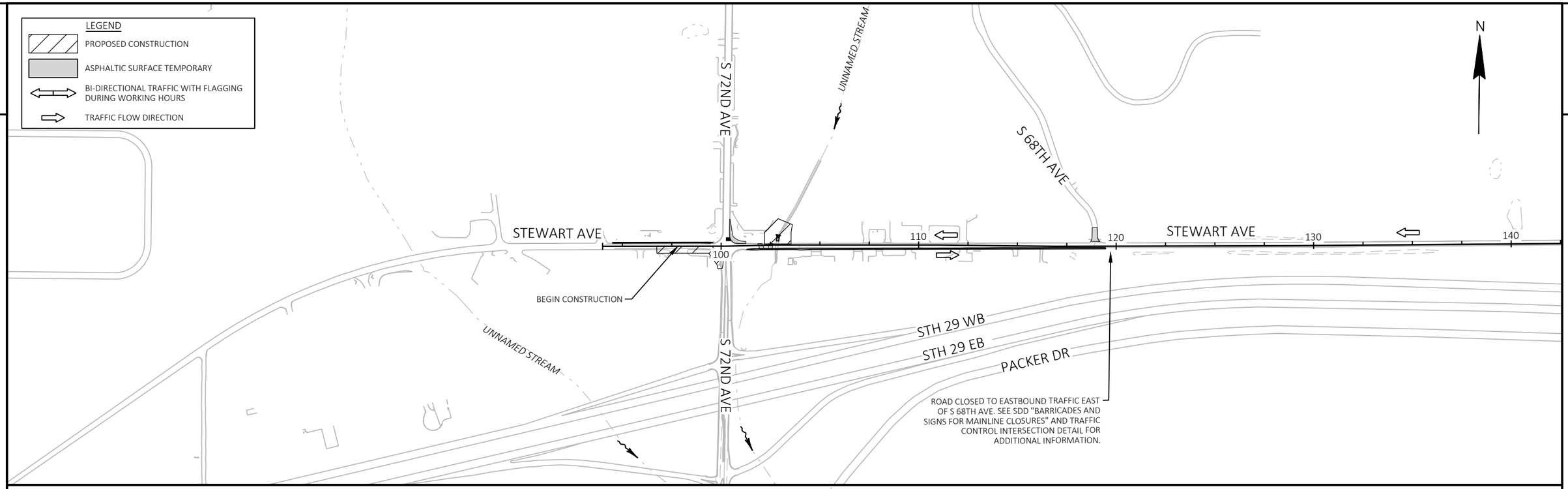
PLOT DATE : 10/20/2023 8:40 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

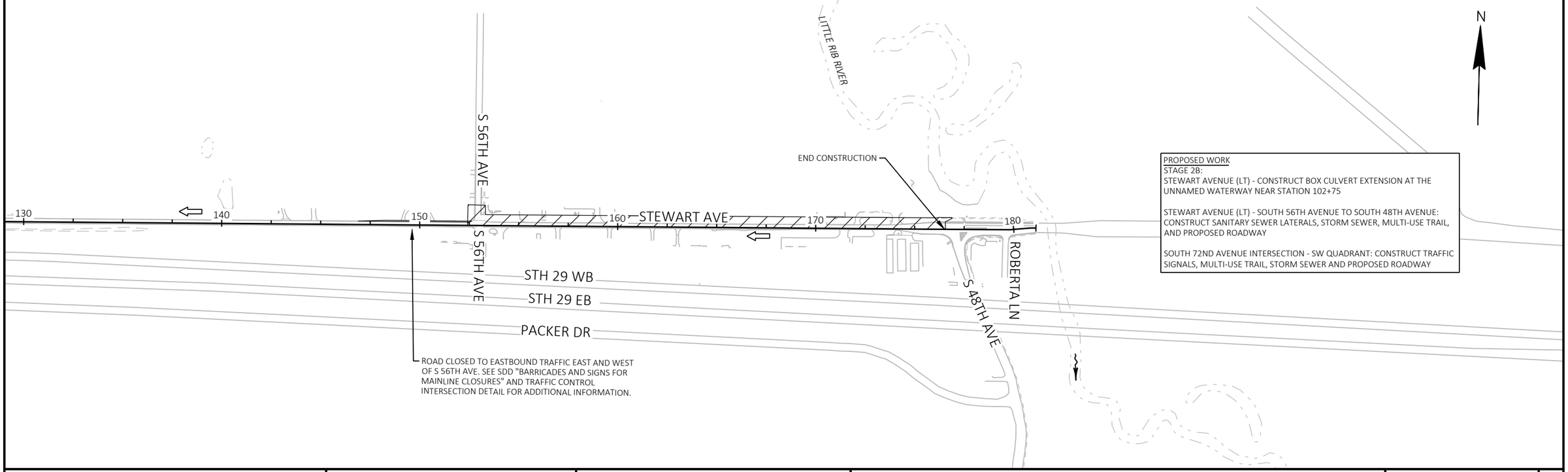
WISDOT/CADDS SHEET 42

2

LEGEND

- PROPOSED CONSTRUCTION
- ASPHALTIC SURFACE TEMPORARY
- BI-DIRECTIONAL TRAFFIC WITH FLAGGING DURING WORKING HOURS
- TRAFFIC FLOW DIRECTION





PROPOSED WORK

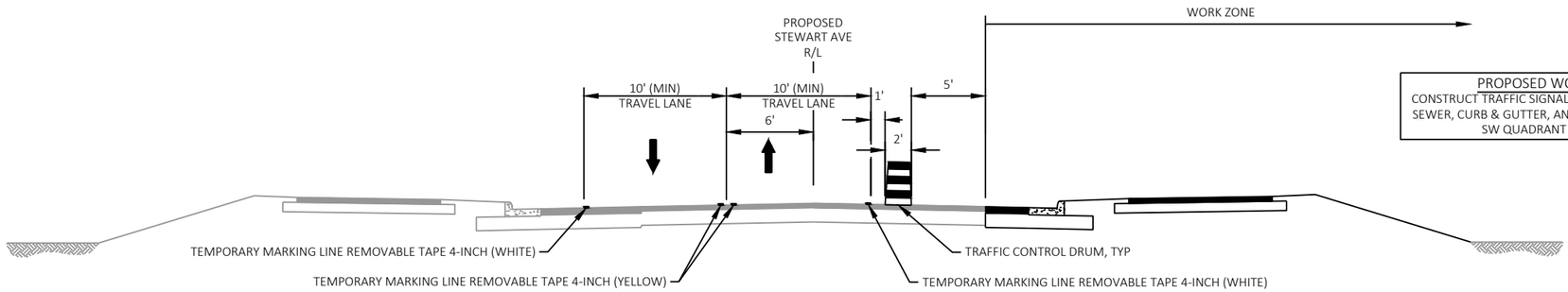
STAGE 2B:
STEWART AVENUE (LT) - CONSTRUCT BOX CULVERT EXTENSION AT THE UNNAMED WATERWAY NEAR STATION 102+75

STEWART AVENUE (LT) - SOUTH 56TH AVENUE TO SOUTH 48TH AVENUE: CONSTRUCT SANITARY SEWER LATERALS, STORM SEWER, MULTI-USE TRAIL, AND PROPOSED ROADWAY

SOUTH 72ND AVENUE INTERSECTION - SW QUADRANT: CONSTRUCT TRAFFIC SIGNALS, MULTI-USE TRAIL, STORM SEWER AND PROPOSED ROADWAY

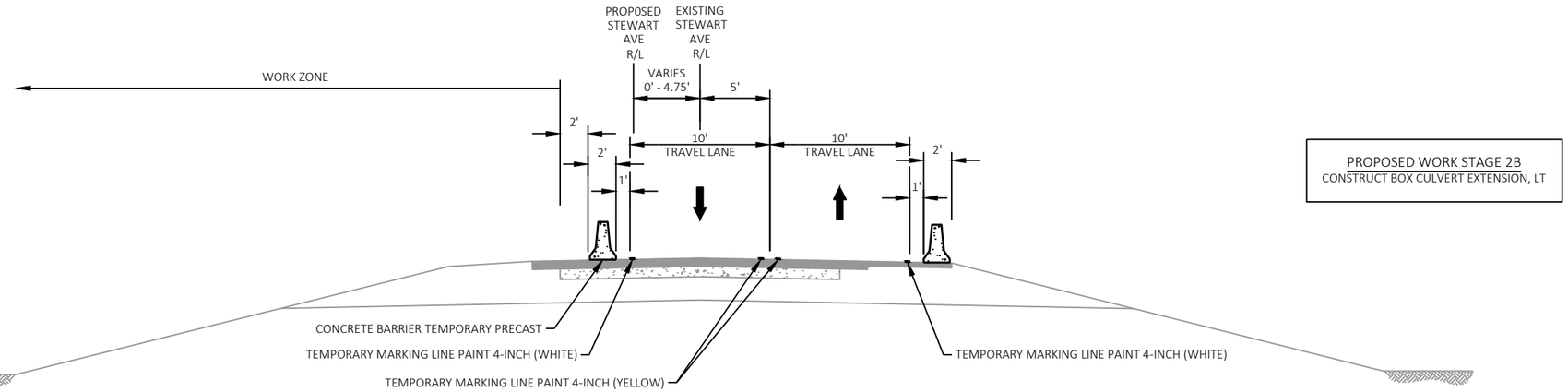
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 2B - OVERVIEW	SHEET 153	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025101-TC.DWG
LAYOUT NAME - 03
PLOT DATE : 10/20/2023 8:49 AM
PLOT BY : DREW NELSON
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 44



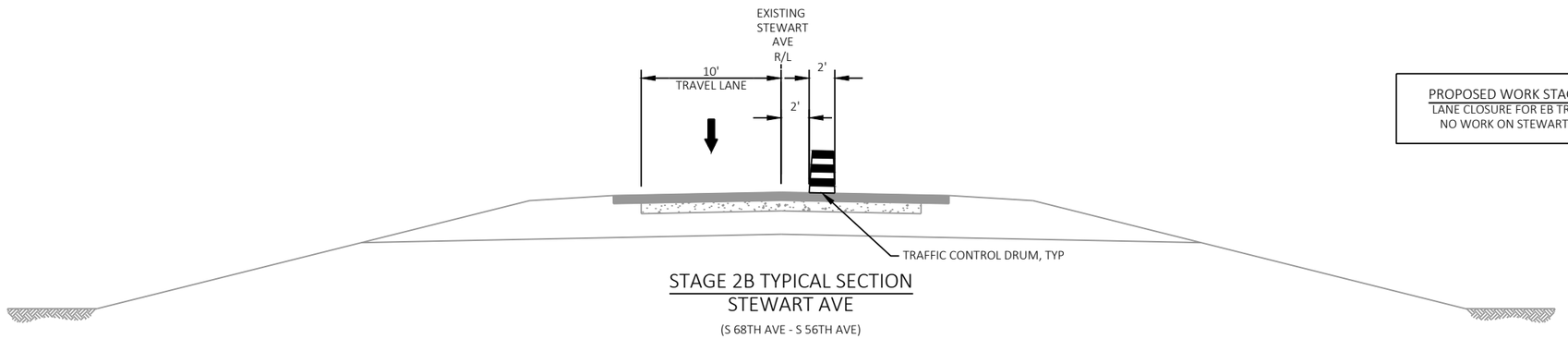
PROPOSED WORK STAGE 2B
CONSTRUCT TRAFFIC SIGNALS, MULTI-USE TRAIL, STORM SEWER, CURB & GUTTER, AND PROPOSED ROADWAY ON SW QUADRANT OF S 72ND AVE

STAGE 2B TYPICAL SECTION
STEWART AVE
(WEST OF S 72ND AVE)



PROPOSED WORK STAGE 2B
CONSTRUCT BOX CULVERT EXTENSION, LT

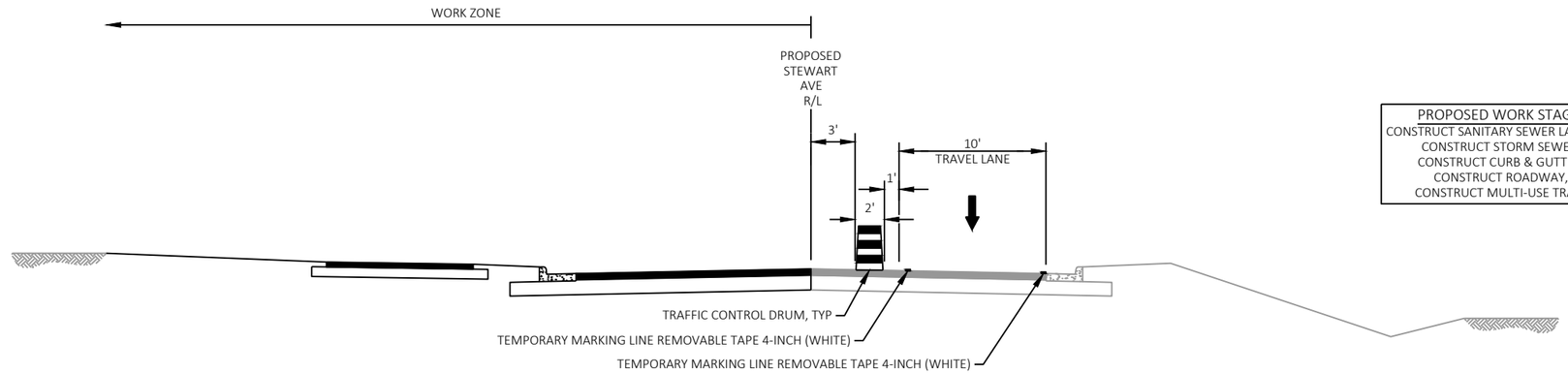
STAGE 2B TYPICAL SECTION
STEWART AVE
(BOX CULVERT EXTENSION)



PROPOSED WORK STAGE 2A
LANE CLOSURE FOR EB TRAFFIC
NO WORK ON STEWART AVE

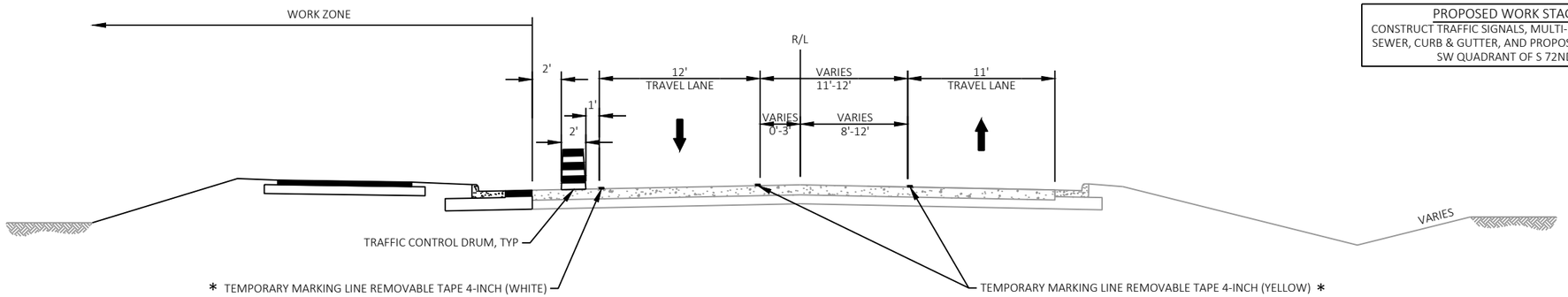
STAGE 2B TYPICAL SECTION
STEWART AVE
(S 68TH AVE - S 56TH AVE)

NOTE
ONE LANE MAY BE CLOSED TO CONSTRUCT THE SW QUADRANT OF THE S 72ND AVE INTERSECTION DURING WORKING HOURS, SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" FOR ADDITIONAL INFORMATION



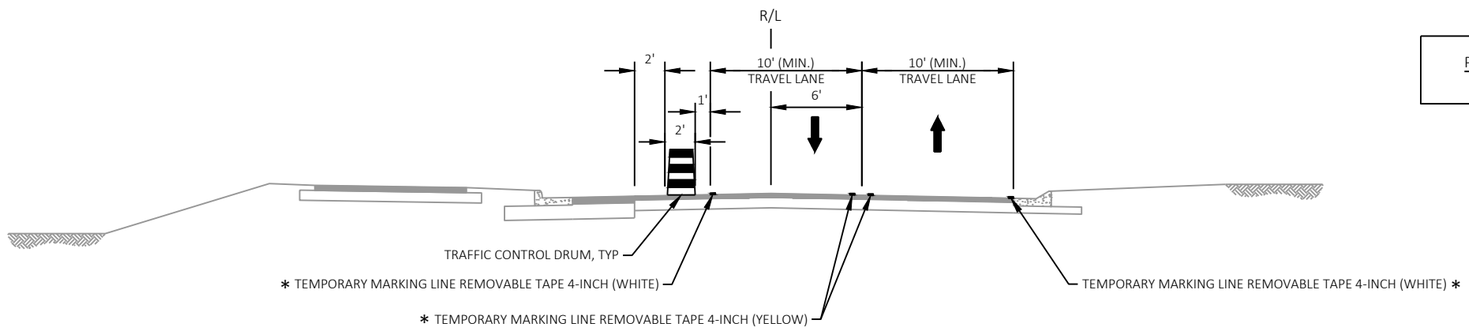
PROPOSED WORK STAGE 2B
CONSTRUCT SANITARY SEWER LATERALS, LT
CONSTRUCT STORM SEWER, LT
CONSTRUCT CURB & GUTTER, LT
CONSTRUCT ROADWAY, LT
CONSTRUCT MULTI-USE TRAIL, LT

STAGE 2B TYPICAL SECTION
STEWART AVE
(S 56TH AVE - S 48TH AVE)



PROPOSED WORK STAGE 2B
CONSTRUCT TRAFFIC SIGNALS, MULTI-USE TRAIL, STORM SEWER, CURB & GUTTER, AND PROPOSED ROADWAY ON SW QUADRANT OF S 72ND AVE

STAGE 2B TYPICAL SECTION
S 72ND AVE
(SOUTH OF STEWART AVE)



PROPOSED WORK STAGE 2B
NO PROPOSED WORK

NOTE
ONE LANE MAY BE CLOSED TO CONSTRUCT THE SW QUADRANT OF THE S 72ND AVE INTERSECTION DURING WORKING HOURS, SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" FOR ADDITIONAL INFORMATION

* MARKING PLACED IN PREVIOUS STAGE

STAGE 2B TYPICAL SECTION
S 72ND AVE
(NORTH OF STEWART AVE)

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 2B - TYPICAL SECTIONS	SHEET 155	E

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT (PLACED IN A PREVIOUS STAGE)

- R4 — MARKING REMOVAL LINE 4-INCH
- R8 — MARKING REMOVAL LINE 8-INCH
- RW — MARKING REMOVAL LINE WIDE
- RS — MARKING REMOVAL SPECIAL MARKING
- TTY — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- TTW — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- TY — TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- TW — TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- STP — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- YDT — TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

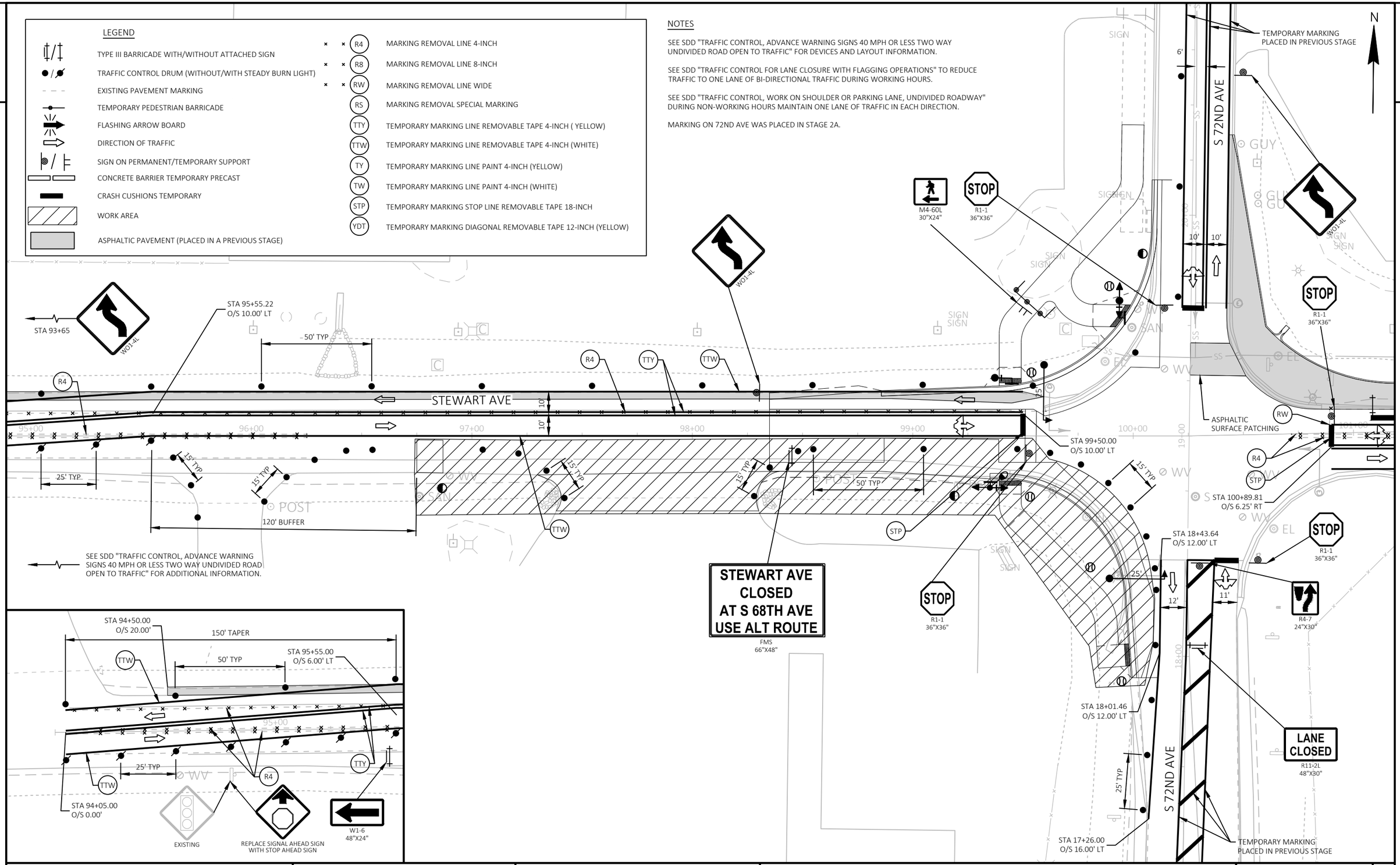
NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.

MARKING ON 72ND AVE WAS PLACED IN STAGE 2A.



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 2B - S 72ND AVE INTERSECTION DETAIL	SHEET 156	E

2

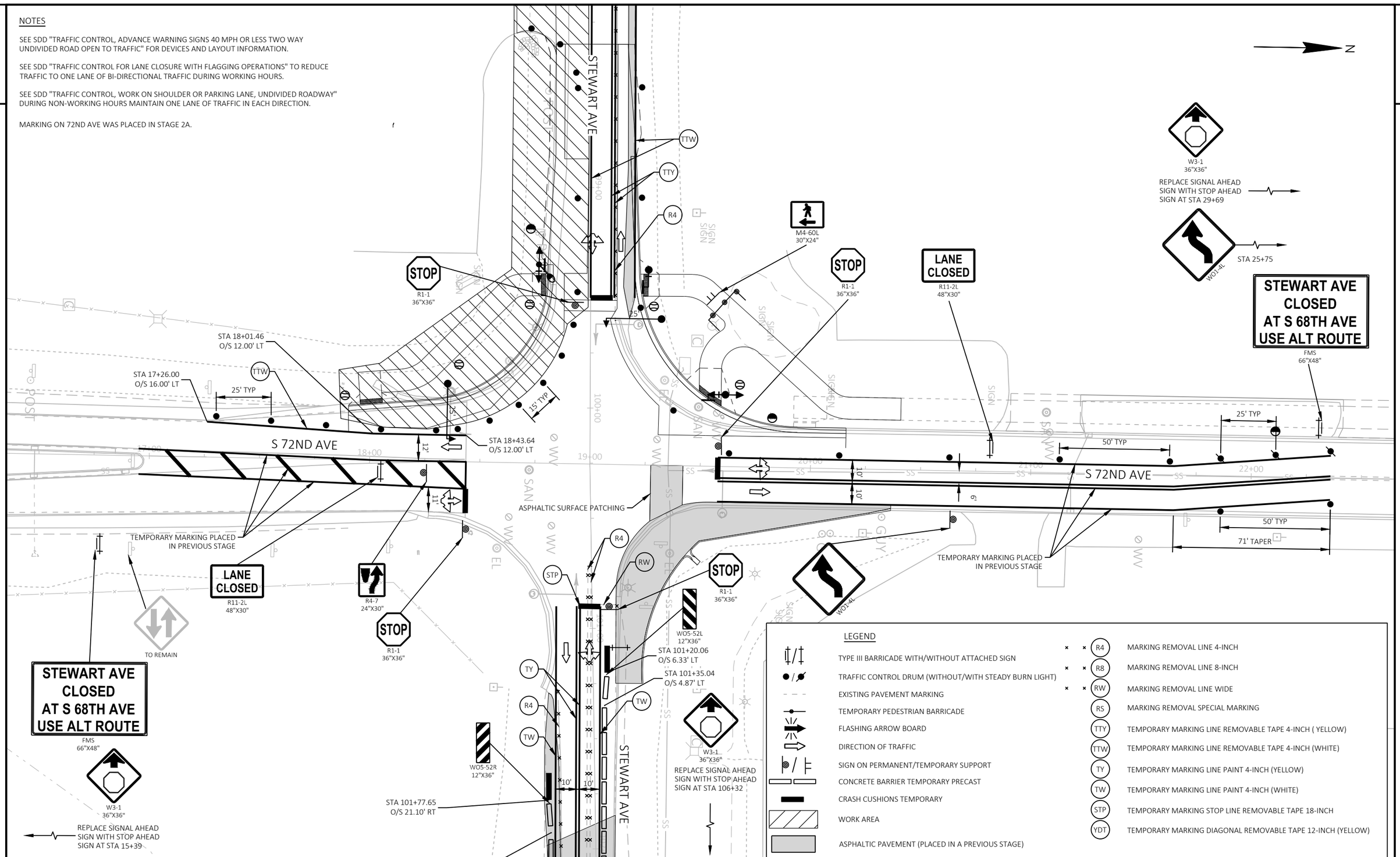
NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.

MARKING ON 72ND AVE WAS PLACED IN STAGE 2A.



LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT (PLACED IN A PREVIOUS STAGE)

- R4 MARKING REMOVAL LINE 4-INCH
- R8 MARKING REMOVAL LINE 8-INCH
- RW MARKING REMOVAL LINE WIDE
- RS MARKING REMOVAL SPECIAL MARKING
- TTY TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- TTW TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- TY TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- TW TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- STP TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- YDT TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 2B - S 72ND AVE INTERSECTION DETAIL	SHEET 157	E

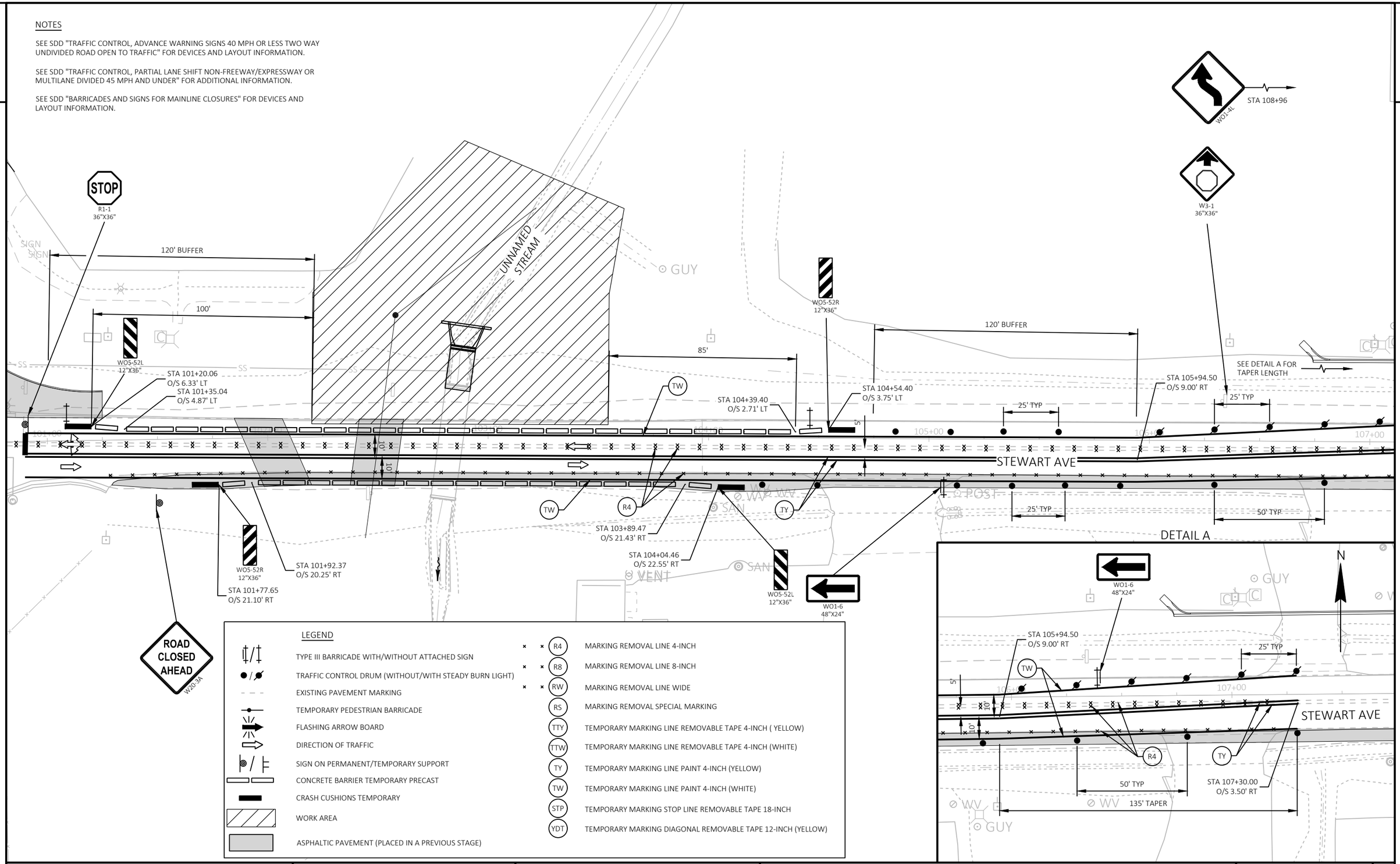
2

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL, PARTIAL LANE SHIFT NON-FREEWAY/EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER" FOR ADDITIONAL INFORMATION.

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR DEVICES AND LAYOUT INFORMATION.



LEGEND

	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	R4	MARKING REMOVAL LINE 4-INCH
	TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)	R8	MARKING REMOVAL LINE 8-INCH
	EXISTING PAVEMENT MARKING	RW	MARKING REMOVAL LINE WIDE
	TEMPORARY PEDESTRIAN BARRICADE	RS	MARKING REMOVAL SPECIAL MARKING
	FLASHING ARROW BOARD	TTY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	DIRECTION OF TRAFFIC	TTW	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	SIGN ON PERMANENT/TEMPORARY SUPPORT	TY	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
	CONCRETE BARRIER TEMPORARY PRECAST	TW	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	CRASH CUSHIONS TEMPORARY	STP	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
	WORK AREA	YDT	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
	ASPHALTIC PAVEMENT (PLACED IN A PREVIOUS STAGE)		

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 2B - BOX CULVERT DETAIL	SHEET 158	E

2

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	R4	MARKING REMOVAL LINE 4-INCH
TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)	R8	MARKING REMOVAL LINE 8-INCH
EXISTING PAVEMENT MARKING	RW	MARKING REMOVAL LINE WIDE
TEMPORARY PEDESTRIAN BARRICADE	RS	MARKING REMOVAL SPECIAL MARKING
FLASHING ARROW BOARD	TTY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
DIRECTION OF TRAFFIC	TTW	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
SIGN ON PERMANENT/TEMPORARY SUPPORT	TY	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
CONCRETE BARRIER TEMPORARY PRECAST	TW	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
CRASH CUSHIONS TEMPORARY	STP	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
WORK AREA	YDT	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
ASPHALTIC PAVEMENT (PLACED IN A PREVIOUS STAGE)		

NOTES

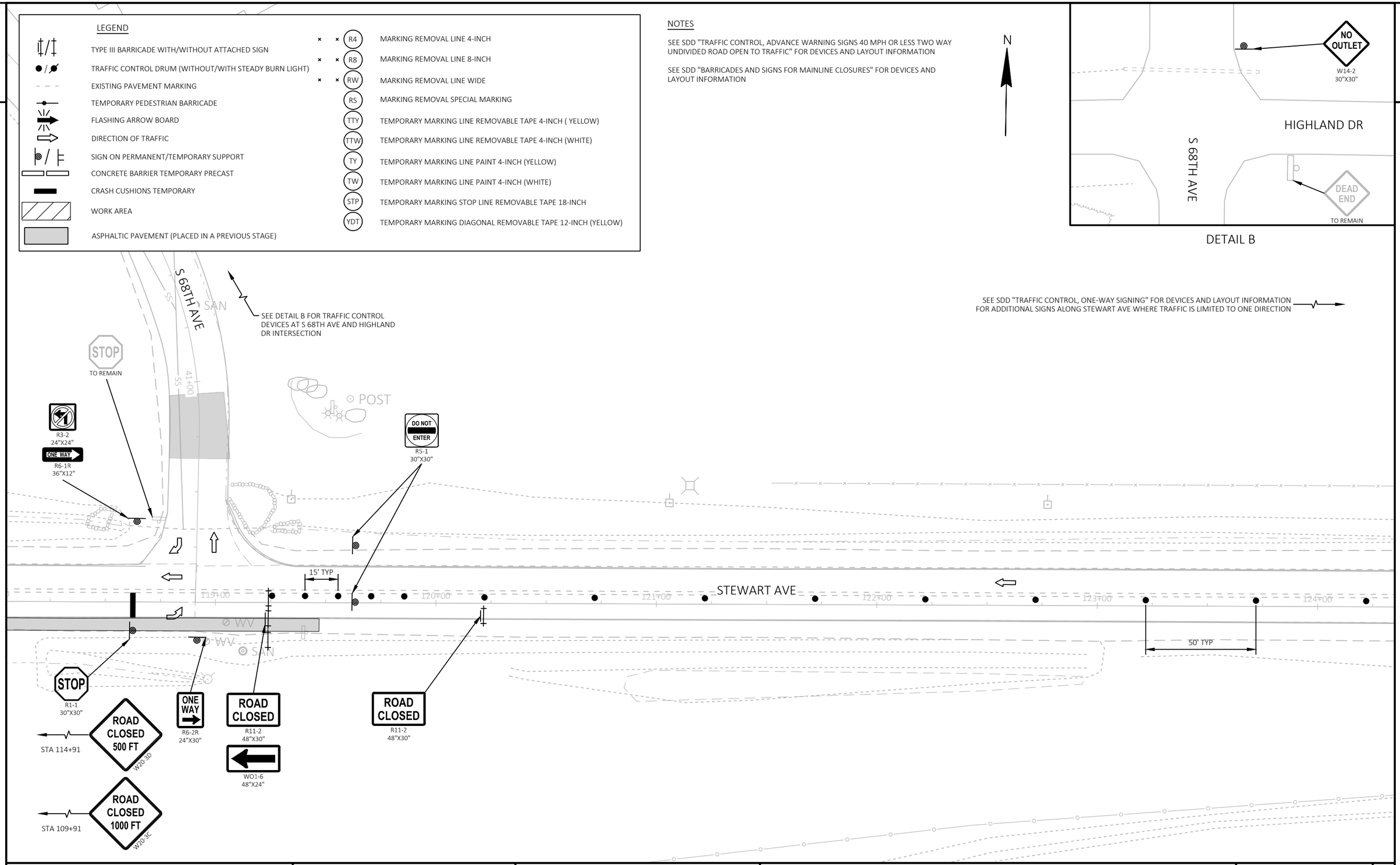
SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR DEVICES AND LAYOUT INFORMATION

N

DETAIL B

SEE SDD "TRAFFIC CONTROL, ONE-WAY SIGNING" FOR DEVICES AND LAYOUT INFORMATION FOR ADDITIONAL SIGNS ALONG STEWART AVE WHERE TRAFFIC IS LIMITED TO ONE DIRECTION



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 2B - S 68TH AVE INTERSECTION DETAIL	SHEET 159	E

LEGEND

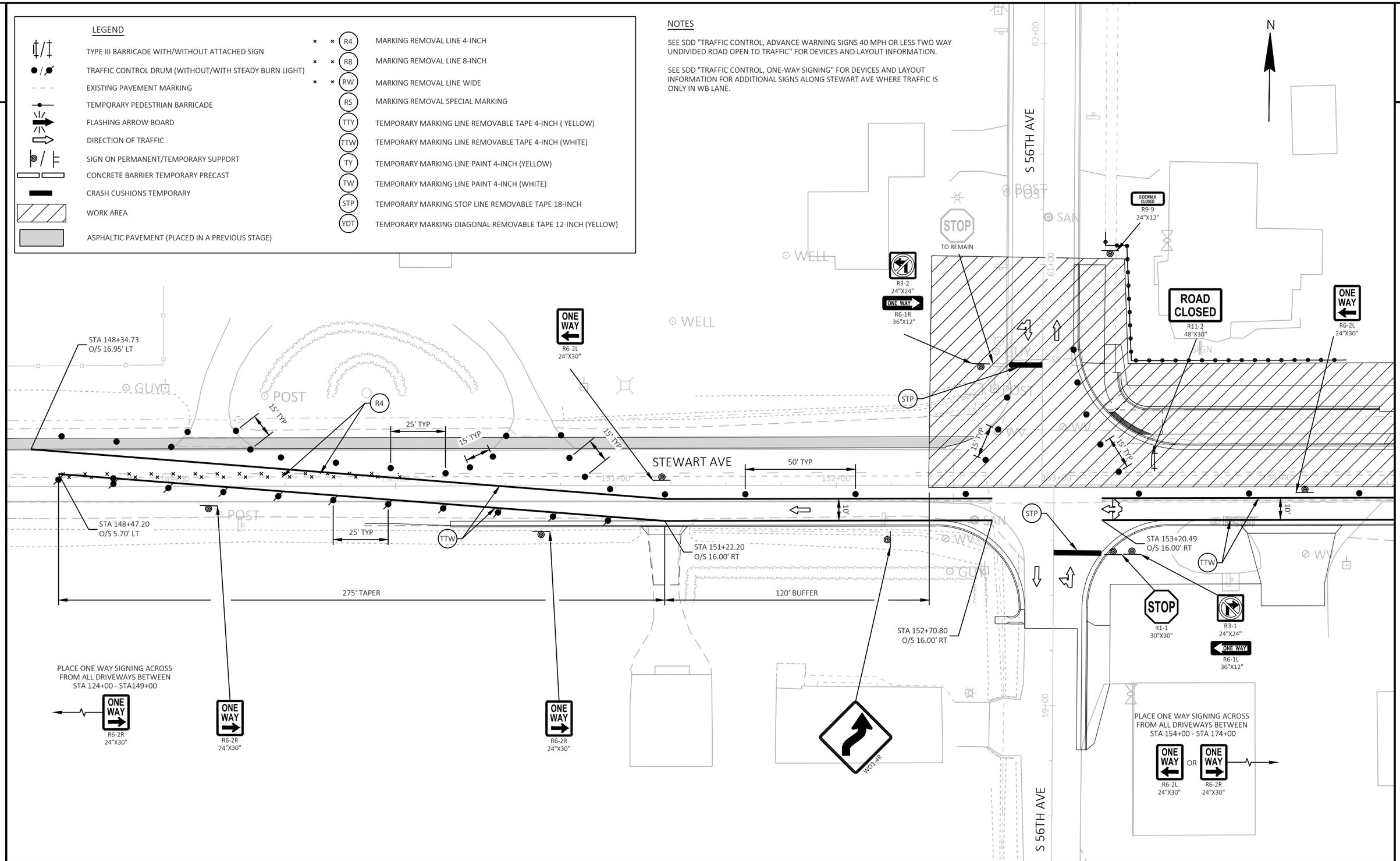
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT (PLACED IN A PREVIOUS STAGE)

- R4 — MARKING REMOVAL LINE 4-INCH
- R8 — MARKING REMOVAL LINE 8-INCH
- RW — MARKING REMOVAL LINE WIDE
- RS — MARKING REMOVAL SPECIAL MARKING
- TTY — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- TTW — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- TY — TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- TW — TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- STP — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- YDT — TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL, ONE-WAY SIGNING" FOR DEVICES AND LAYOUT INFORMATION FOR ADDITIONAL SIGNS ALONG STEWART AVE WHERE TRAFFIC IS ONLY IN WB LANE.



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 2B - S 56TH AVE INTERSECTION DETAIL	SHEET 160	E

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT (PLACED IN A PREVIOUS STAGE)
- R4 MARKING REMOVAL LINE 4-INCH
- R8 MARKING REMOVAL LINE 8-INCH
- RW MARKING REMOVAL LINE WIDE
- RS MARKING REMOVAL SPECIAL MARKING
- TTY TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- TTW TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- TY TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- TW TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- STP TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- YDT TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY" FOR ADDITIONAL INFORMATION.

SEE SDD "TRAFFIC CONTROL, ONE-WAY SIGNING" FOR DEVICES AND LAYOUT INFORMATION FOR ADDITIONAL SIGNS ALONG STEWART AVE WHERE TRAFFIC LIMITED TO ONE DIRECTION.

LITTLE RIB RIVER

M4-60L 30"X24"

LANE CLOSED R11-2 48"X30"

LANE CLOSED R11-2 48"X30"

W01-4L

STA 177+45.54 O/S 18.18' LT

STA 176+55.00 O/S 6.00' RT

15' TYP

25' TYP

90' TAPER

50' TYP

10'

25' TYP

245' TAPER

STA 178+71.32 O/S 20.11' LT

25' TYP

STEWART AVE

RS

TTW

ONE WAY R6-2R 24"X30"

PLACE ONE WAY SIGNING ACROSS FROM ALL DRIVEWAYS BETWEEN STA 154+00 - STA 174+00

ONE WAY R6-2L 24"X30" OR ONE WAY R6-2R 24"X30"

S 48TH AVE

ROBERTA LN

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 2B - S 48TH AVE INTERSECTION DETAIL	SHEET 161	E

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT (PLACED IN A PREVIOUS STAGE)

R4	MARKING REMOVAL LINE 4-INCH
R8	MARKING REMOVAL LINE 8-INCH
RW	MARKING REMOVAL LINE WIDE
RS	MARKING REMOVAL SPECIAL MARKING
TTY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TTW	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TY	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TW	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
STP	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
YDT	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY" FOR ADDITIONAL INFORMATION.

* MARKING REMOVAL SPECIAL MARKING WATER BLASTING

** MARKING REMOVAL LINE WATER BLASTING 8-INCH

N

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

TRAFFIC CONTROL COVERING SIGNS TYPE II

W4-2R

RIGHT LANE CLOSED AHEAD

W20-5G

350'

TRAFFIC CONTROL COVERING SIGNS TYPE II

STA 178+71.32
O/S 20.11' LT

25' TYP

STA 181+18.58
O/S 22.50' LT

TTW

* RS * RS ** R8 * RS

245' TAPER

STEWART AVE

ROBERTA LN

179+00 180+00 181+00

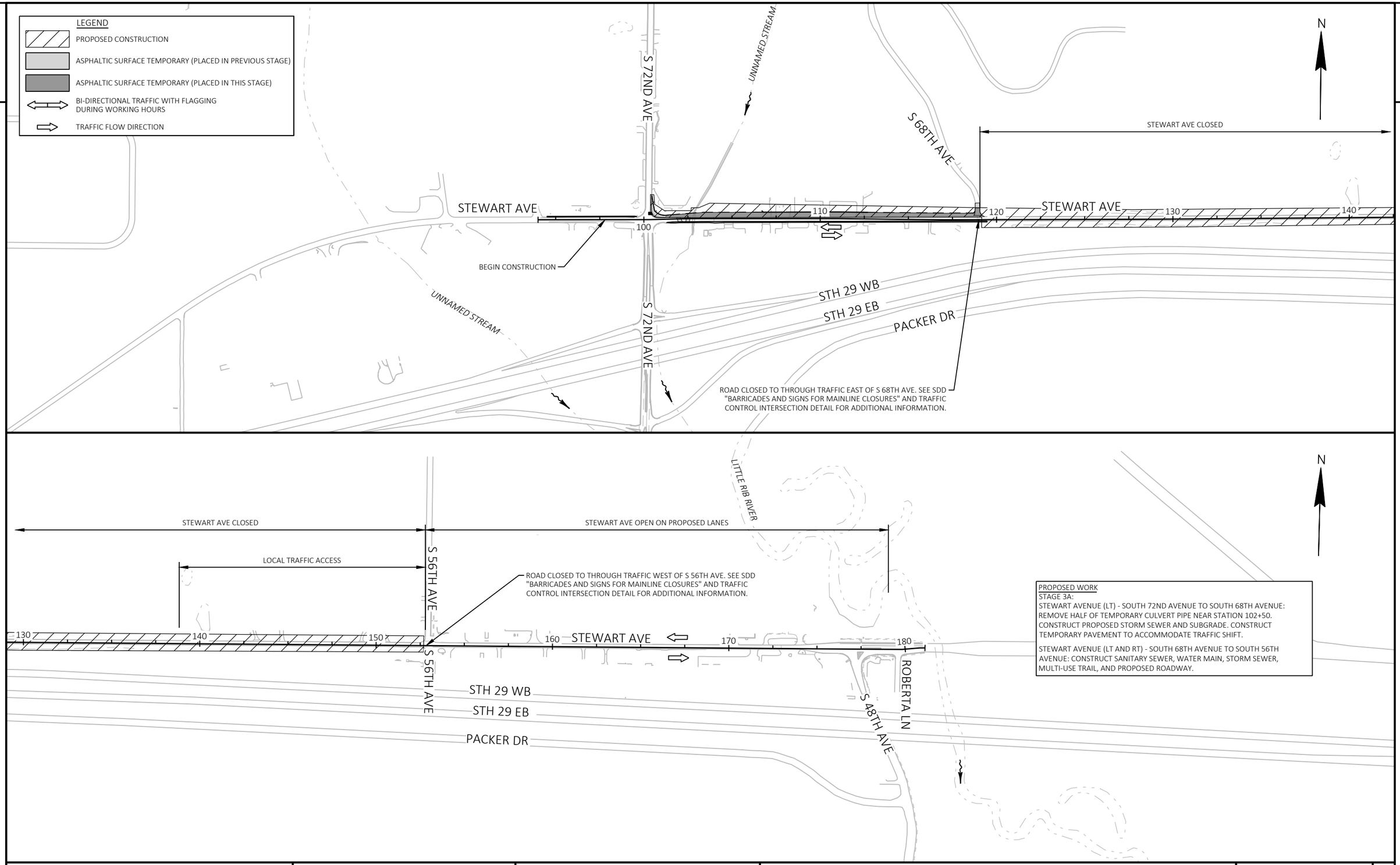
GUY SS SAN GV WV ER UT SIGN

2

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 2B - S 48TH AVE INTERSECTION DETAIL	SHEET 162	E

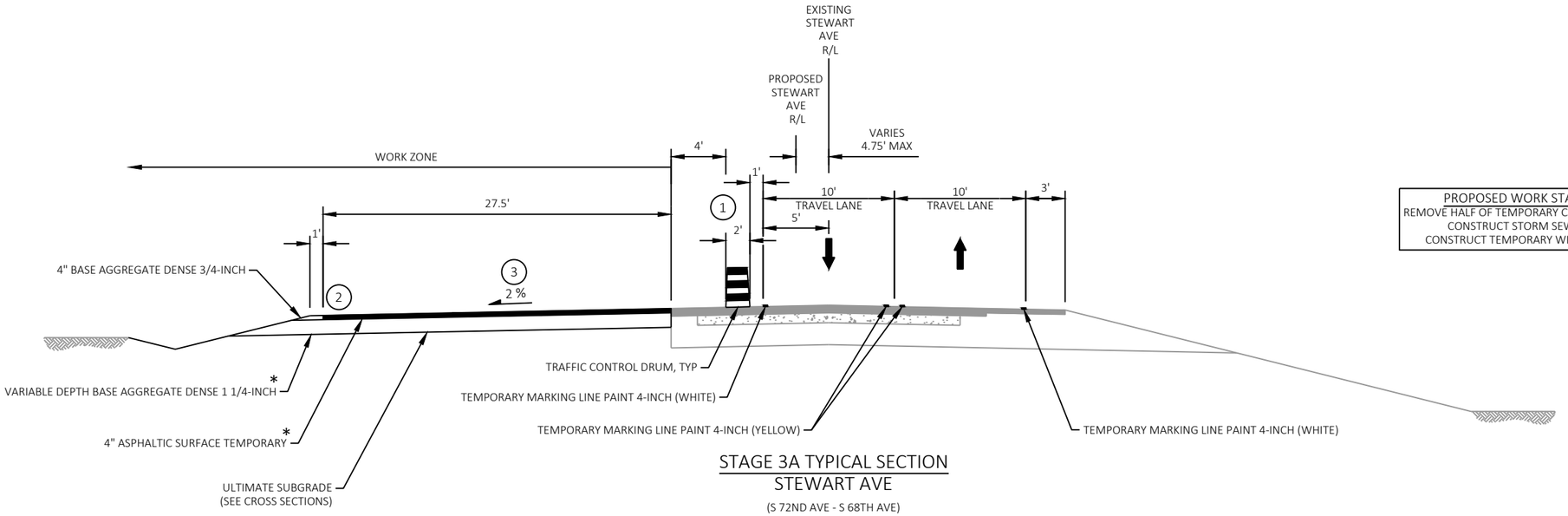
FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025107-TC.DWG
LAYOUT NAME - 07

PLOT DATE : 11/1/2023 6:51 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 3A - OVERVIEW	SHEET 163	E

2



PROPOSED WORK STAGE 3A
REMOVE HALF OF TEMPORARY CULVERT PIPE, LT
CONSTRUCT STORM SEWER, LT
CONSTRUCT TEMPORARY WIDENING, LT

STAGE 3A TYPICAL SECTION
STEWART AVE
(S 72ND AVE - S 68TH AVE)

NOTES

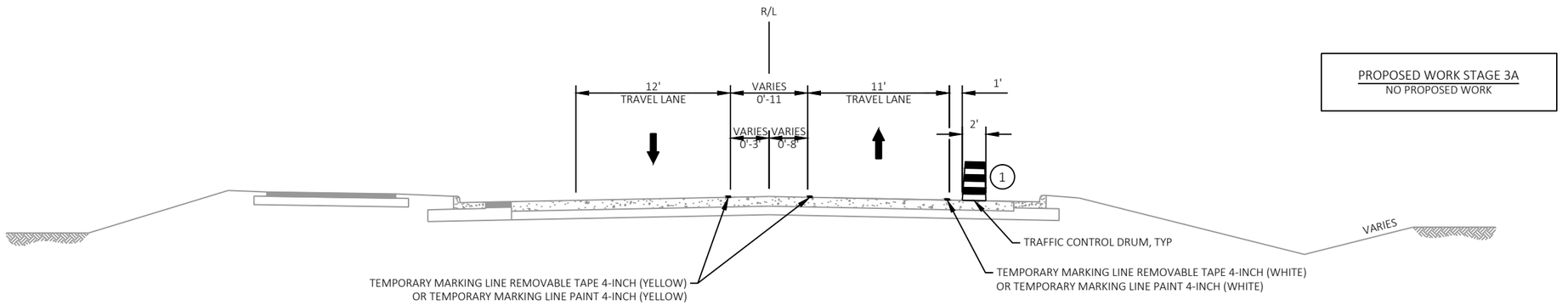
* SEE STAGE 3A TRAFFIC CONTROL PLAN SHEETS FOR ADDITIONAL INFORMATION REGARDING THE LAYOUT OF THE ASPHALTIC SURFACE TEMPORARY.

(1) DRUM PLACEMENT SHOWN DURING NON-WORKING HOURS, SEE SDD " TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" TO REDUCE TRAFFIC TO ONE LANE OF BIDIRECTIONAL TRAFFIC DURING WORKING HOURS.

(2) PLACE ASPHALTIC CURB WITH VARIABLE CURB HEAD HEIGHT FROM STA 106+74 TO STA 112+70.

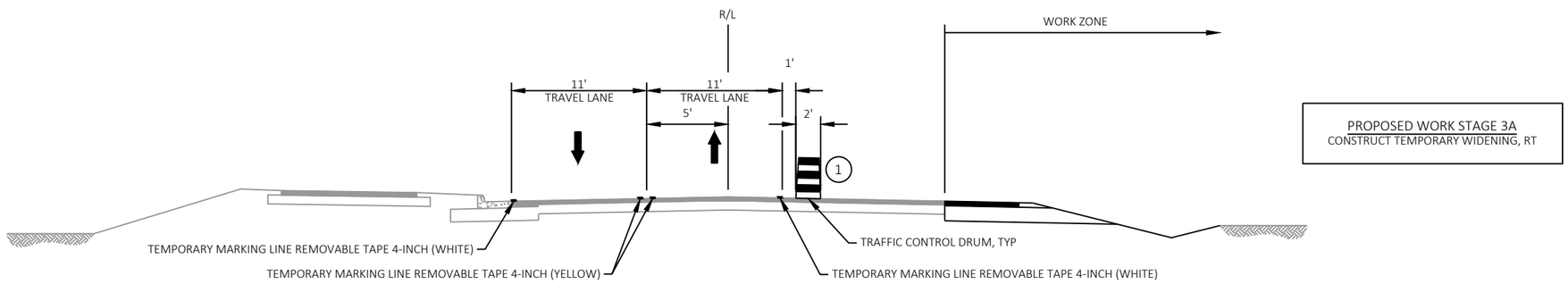
(3) CROSS SLOPE VARIES FROM STA 107+00 TO STA 109+00 TO ACCOMMODATE TEMPORARY DRAINAGE INTO PROPOSED STORM SEWER SYSTEM. SEE TEMPORARY CROSS SECTIONS FOR ADDITIONAL INFORMATION.

2



PROPOSED WORK STAGE 3A
NO PROPOSED WORK

STAGE 3A TYPICAL SECTION
S 72ND AVE
(SOUTH OF STEWART AVE)



PROPOSED WORK STAGE 3A
CONSTRUCT TEMPORARY WIDENING, RT

STAGE 3A TYPICAL SECTION
S 72ND AVE
(NORTH OF STEWART AVE)

NOTE
(1) DRUM PLACEMENT SHOWN DURING NON-WORKING HOURS, SEE SDD " TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" TO REDUCE TRAFFIC TO ONE LANE OF BIDIRECTIONAL TRAFFIC DURING WORKING HOURS

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT (PLACED IN PREVIOUS STAGE)
- 4-INCH ASPHALTIC SURFACE TEMPORARY (PLACED IN THIS STAGE)

CW	TEMPORARY MARKING CROSSWALK PAINT 6-INCH
R4	MARKING REMOVAL LINE 4-INCH
R8	MARKING REMOVAL LINE 8-INCH
RW	MARKING REMOVAL LINE WIDE
RS	MARKING REMOVAL SPECIAL MARKING
TTY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TTW	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TY	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TW	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
STP	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
YDT	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.

RESTORE CENTERLINE MARKING TO STA 94+05

REPLACE SIGNAL AHEAD SIGN WITH STOP AHEAD SIGN AT STA 94+81

W3-1
36"X36"

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADDITIONAL INFORMATION.

STEWART AVE

95+00 96+00 97+00 98+00 99+00 100+00 101+00

STA 99+24

STA 100+90

12' 12' 10'

STEWART AVE CLOSED AT S 68TH AVE USE ALT ROUTE

FMS
66"X48"

S 72ND AVE

11' 11'

25' 25' 25' TYP 15' TYP

STOP
R1-1
36"X36"

SIDEWALK CLOSED
R9-9
24"X12"

W01-4R

18+00 19+00

TTY TW TY STP CW

N

SIGN SAN WV EL GUY

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT (PLACED IN PREVIOUS STAGE)
- 4-INCH ASPHALTIC SURFACE TEMPORARY (PLACED IN THIS STAGE)

- (CW) TEMPORARY MARKING CROSSWALK PAINT 6-INCH
- (R4) MARKING REMOVAL LINE 4-INCH
- (R8) MARKING REMOVAL LINE 8-INCH
- (RW) MARKING REMOVAL LINE WIDE
- (RS) MARKING REMOVAL SPECIAL MARKING
- (TTY) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- (TTW) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- (TY) TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- (TW) TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- (STP) TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- (YDT) TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.

N

STEWART AVE

S 72ND AVE

STA 16+95

STA 15+76

STA 18+44

STA 19+71

STA 101+25
O/S 22' LT

STA 101+25
O/S 10' LT

25' TYP

50' TYP

15' TYP

12'

11'

10'

5'

STOP
R1-1
36"X36"

SIDEWALK CLOSED
R9-9
24"X12"

STEWART AVE
CLOSED
AT S 68TH AVE
USE ALT ROUTE
FMS
66"X48"

ROAD
CLOSED
AHEAD
W20-3A

W3-1
36"X36"

REPLACE SIGNAL AHEAD SIGN WITH
STOP AHEAD SIGN AT STA 15+39

W01-4R

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 3A - S 72ND AVE INTERSECTION DETAIL	SHEET 167	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025108-TC.DWG
LAYOUT NAME - 02

PLOT DATE : 10/20/2023 9:42 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT (PLACED IN PREVIOUS STAGE)
- 4-INCH ASPHALTIC SURFACE TEMPORARY (PLACED IN THIS STAGE)

- CW — TEMPORARY MARKING CROSSWALK PAINT 6-INCH
- R4 — MARKING REMOVAL LINE 4-INCH
- R8 — MARKING REMOVAL LINE 8-INCH
- RW — MARKING REMOVAL LINE WIDE
- RS — MARKING REMOVAL SPECIAL MARKING
- TTY — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- TTW — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- TY — TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- TW — TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- STP — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- YDT — TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

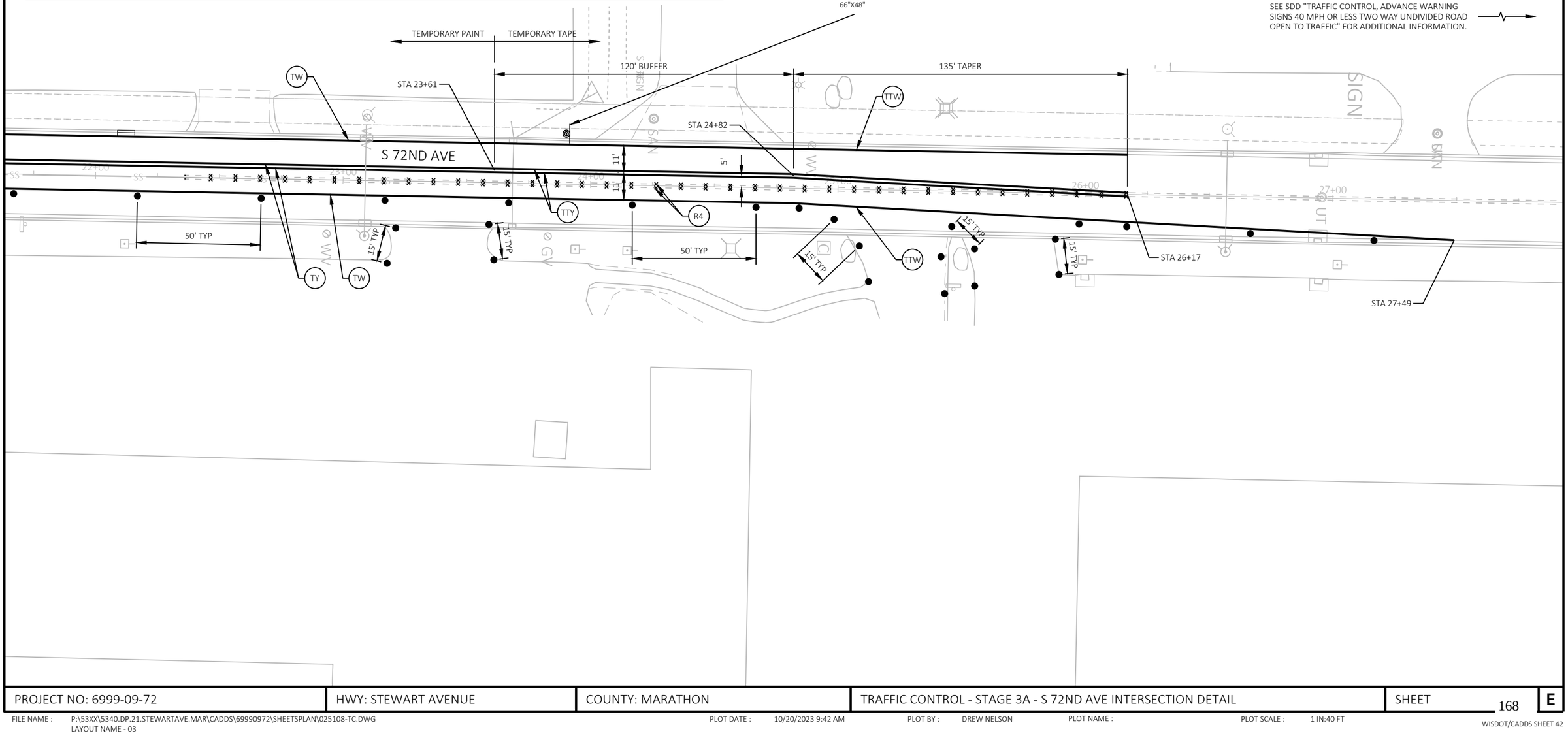
SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.

N

W3-1
36"X36"
REPLACE SIGNAL AHEAD SIGN WITH STOP AHEAD SIGN AT STA 29+69

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADDITIONAL INFORMATION.

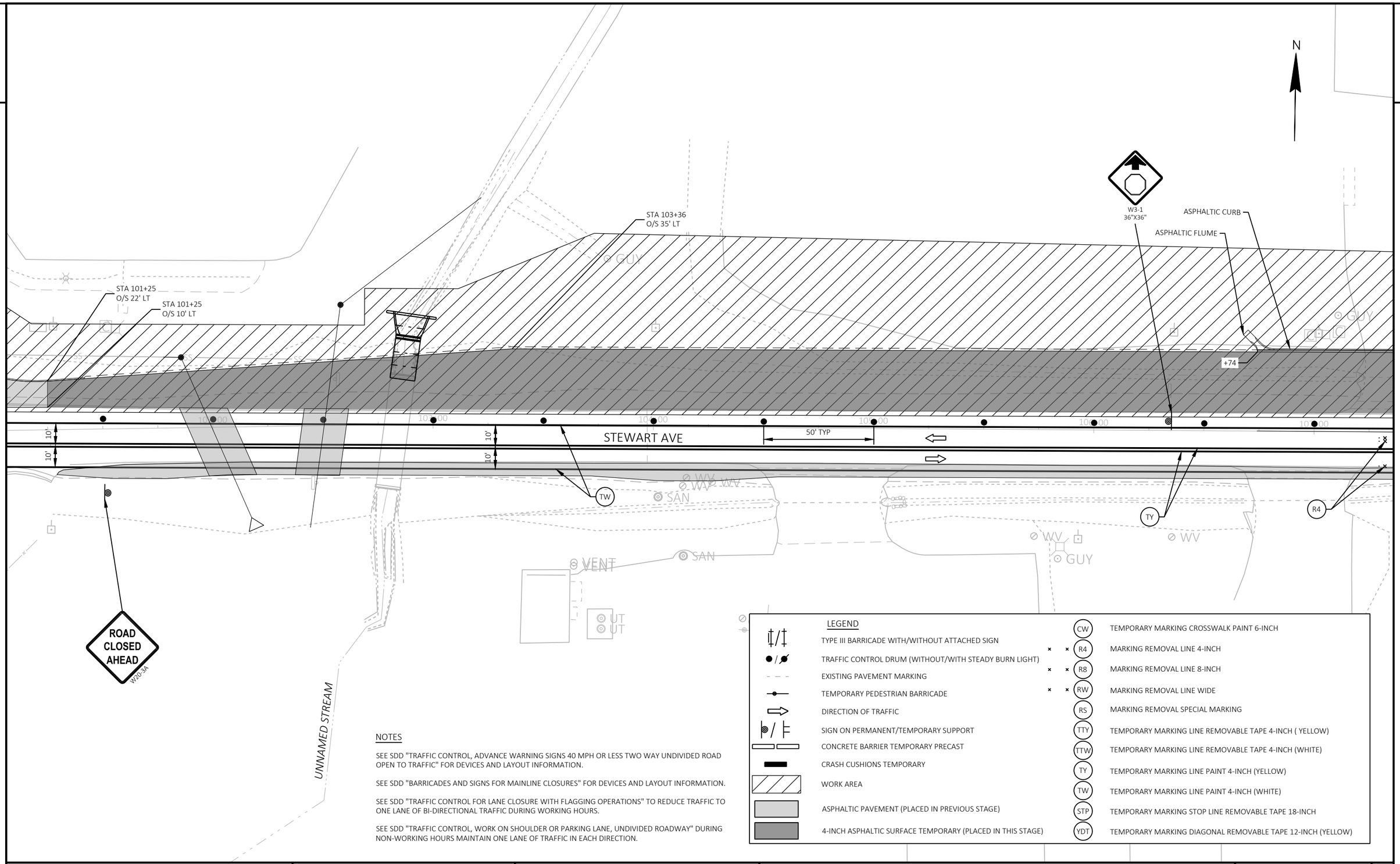


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 3A - S 72ND AVE INTERSECTION DETAIL	SHEET 168	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025108-TC.DWG
LAYOUT NAME - 03

PLOT DATE : 10/20/2023 9:42 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT (PLACED IN PREVIOUS STAGE)
- 4-INCH ASPHALTIC SURFACE TEMPORARY (PLACED IN THIS STAGE)

- (CW) TEMPORARY MARKING CROSSWALK PAINT 6-INCH
- (R4) MARKING REMOVAL LINE 4-INCH
- (R8) MARKING REMOVAL LINE 8-INCH
- (RW) MARKING REMOVAL LINE WIDE
- (RS) MARKING REMOVAL SPECIAL MARKING
- (TTY) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- (TTW) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- (TY) TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- (TW) TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- (STP) TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- (YDT) TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 3A - STEWART AVE	SHEET 169	E

2

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT (PLACED IN PREVIOUS STAGE)
- 4-INCH ASPHALTIC SURFACE TEMPORARY (PLACED IN THIS STAGE)

- CW TEMPORARY MARKING CROSSWALK PAINT 6-INCH
- R4 MARKING REMOVAL LINE 4-INCH
- R8 MARKING REMOVAL LINE 8-INCH
- RW MARKING REMOVAL LINE WIDE
- RS MARKING REMOVAL SPECIAL MARKING
- TTY TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- TTW TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- TY TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- TW TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- STP TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- YDT TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

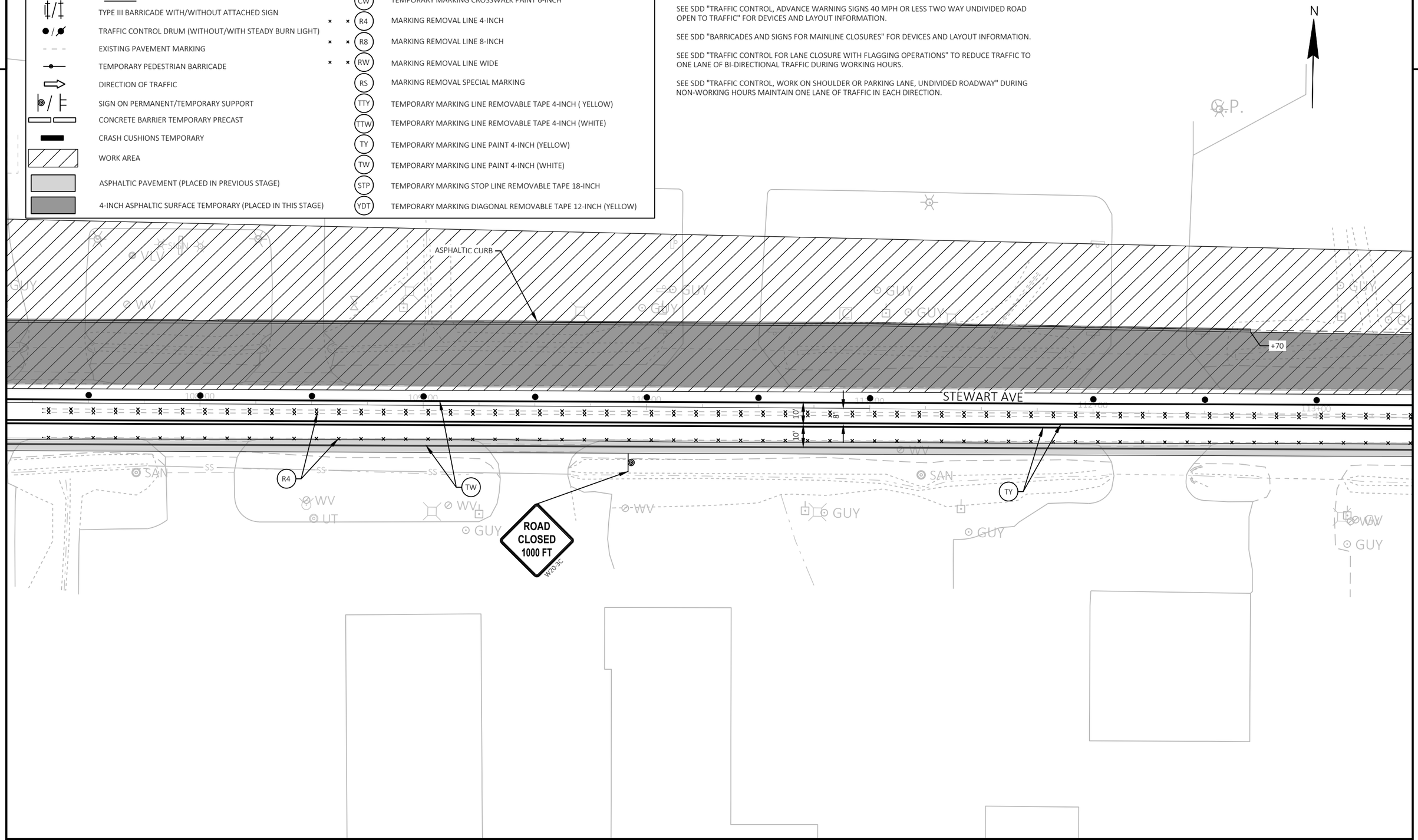
NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 3A - STEWART AVE	SHEET 170	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025108-TC.DWG
LAYOUT NAME - 05

PLOT DATE : 10/20/2023 9:42 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT (PLACED IN PREVIOUS STAGE)
- 4-INCH ASPHALTIC SURFACE TEMPORARY (PLACED IN THIS STAGE)

CW	TEMPORARY MARKING CROSSWALK PAINT 6-INCH
R4	MARKING REMOVAL LINE 4-INCH
R8	MARKING REMOVAL LINE 8-INCH
RW	MARKING REMOVAL LINE WIDE
RS	MARKING REMOVAL SPECIAL MARKING
TTY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TTW	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TY	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TW	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
STP	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
YDT	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

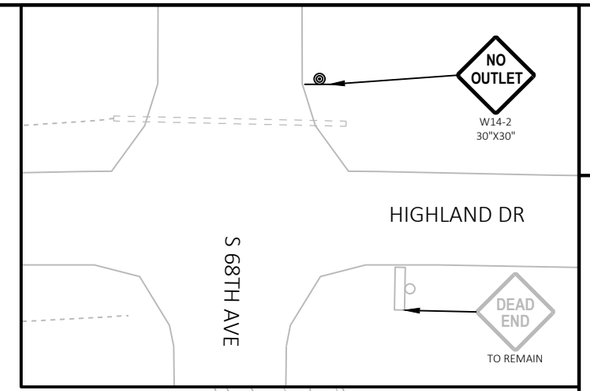
SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR DEVICES AND LAYOUT INFORMATION.

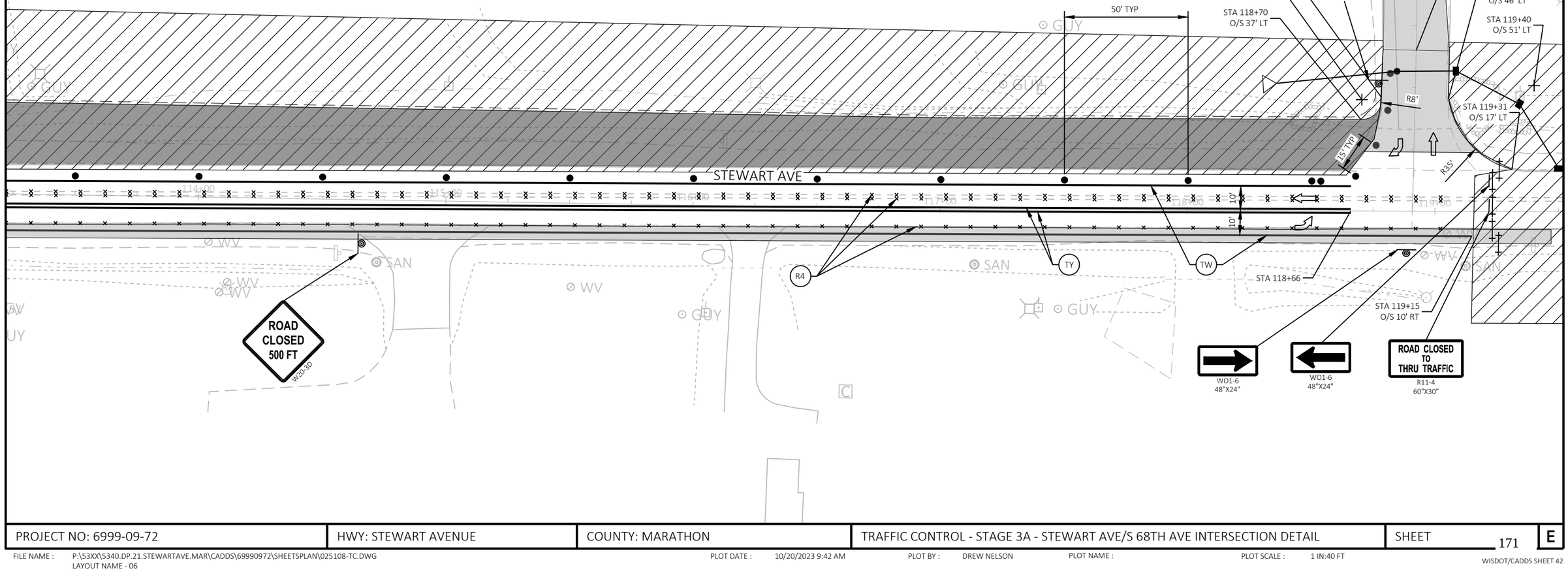
SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.

N



DETAIL A



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 3A - STEWART AVE/S 68TH AVE INTERSECTION DETAIL	SHEET 171	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025108-TC.DWG
LAYOUT NAME - 06

PLOT DATE : 10/20/2023 9:42 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT (PLACED IN PREVIOUS STAGE)
- 4-INCH ASPHALTIC SURFACE TEMPORARY (PLACED IN THIS STAGE)

- CW — TEMPORARY MARKING CROSSWALK PAINT 6-INCH
- R4 — MARKING REMOVAL LINE 4-INCH
- R8 — MARKING REMOVAL LINE 8-INCH
- RW — MARKING REMOVAL LINE WIDE
- RS — MARKING REMOVAL SPECIAL MARKING
- TTY — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- TTW — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- TY — TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- TW — TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- STP — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- YDT — TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.

N

ROAD CLOSED 500 FT
W20-3D
STA 157+83

ROAD CLOSED 1000 FT
W20-3C
STA 162+83

STEWART AVE CLOSED AT S 56TH AVE USE ALT ROUTE
FMS 66"X48"
PLACE SIGN EAST OF S 48TH AVE

STOP
TO REMAIN

S 56TH AVE

STEWART AVE

12'
12'

STOP
R1-1
30"X30"

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

WO1-7
48"X24"

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADDITIONAL INFORMATION.

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 3A - S 56TH AVE INTERSECTION DETAIL	SHEET 172	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025108-TC.DWG
LAYOUT NAME - 07

PLOT DATE : 10/20/2023 9:42 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

PROPOSED CONSTRUCTION

ASPHALTIC SURFACE TEMPORARY

BI-DIRECTIONAL TRAFFIC WITH FLAGGING DURING WORKING HOURS

TRAFFIC FLOW DIRECTION

N

S 72ND AVE

UNNAMED STREAM

S 68TH AVE

STEWART AVE CLOSED

STEWART AVE

100

110

120

130

140

BEGIN CONSTRUCTION

SHORT TERM CLOSURES TO COMPLETE SANITARY SEWER CONNECTION (SEE STAGE 3C 72ND AVE CLOSURE DETAIL AND 72ND AVE DETOUR DETAIL)

UNNAMED STREAM

STH 29 WB

STH 29 EB

PACKER DR

S 72ND AVE

ROAD CLOSED TO THROUGH TRAFFIC EAST OF S 68TH AVE. SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" AND TRAFFIC CONTROL INTERSECTION DETAIL FOR ADDITIONAL INFORMATION.

2

N

LITTLE RIB RIVER

STEWART AVE CLOSED

STEWART AVE OPEN ON PROPOSED LANES

LOCAL TRAFFIC ACCESS

S 56TH AVE

130

140

150

160

STEWART AVE

170

180

S 56TH AVE

STH 29 WB

STH 29 EB

PACKER DR

S 48TH AVE

ROBERTA LN

ROAD CLOSED TO THROUGH TRAFFIC WEST OF S 56TH AVE. SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" AND TRAFFIC CONTROL INTERSECTION DETAIL FOR ADDITIONAL INFORMATION.

PROPOSED WORK

STAGE 3B:

STEWART AVENUE (RT) - SOUTH 72ND AVENUE TO SOUTH 68TH AVENUE: REMOVE HALF OF TEMPORARY CULVERT PIPE NEAR STATION 102+50. CONSTRUCT SANITARY SEWER AND PROPOSED ROADWAY.

STEWART AVENUE (LT AND RT) - SOUTH 68TH AVENUE TO SOUTH 56TH AVENUE: CONSTRUCT SANITARY SEWER, WATER MAIN, STORM SEWER, MULTI-USE TRAIL, AND PROPOSED ROADWAY.

STAGE 3C:

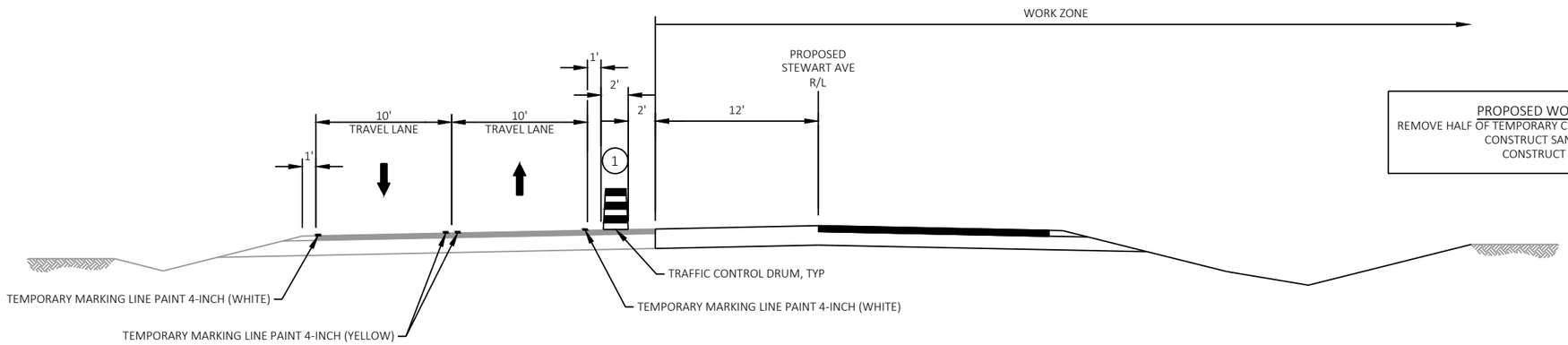
SOUTH 72ND AVENUE INTERSECTION - SE QUADRANT: CONSTRUCT SANITARY SEWER, TRAFFIC SIGNALS, AND PROPOSED ROADWAY.

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 3B AND STAGE 3C - OVERVIEW	SHEET 173	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025101-TC.DWG
LAYOUT NAME - 05

PLOT DATE : 8/24/2023 2:47 PM PLOT BY : NICHOLAS WIEDERIN PLOT NAME : PLOT SCALE : 1 IN:500 FT

2



PROPOSED WORK STAGE 3B/3C
REMOVE HALF OF TEMPORARY CULVERT PIPE NEAR STA 102+50, RT
CONSTRUCT SANITARY SEWER, RT
CONSTRUCT ROADWAY, RT

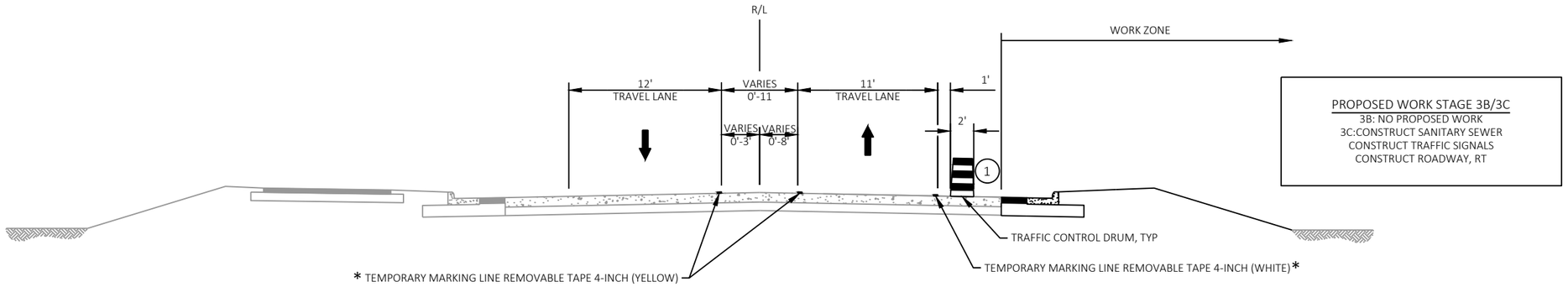
STAGE 3B/3C TYPICAL SECTION
STEWART AVE
(S 72ND AVE - S 68TH AVE)

NOTES

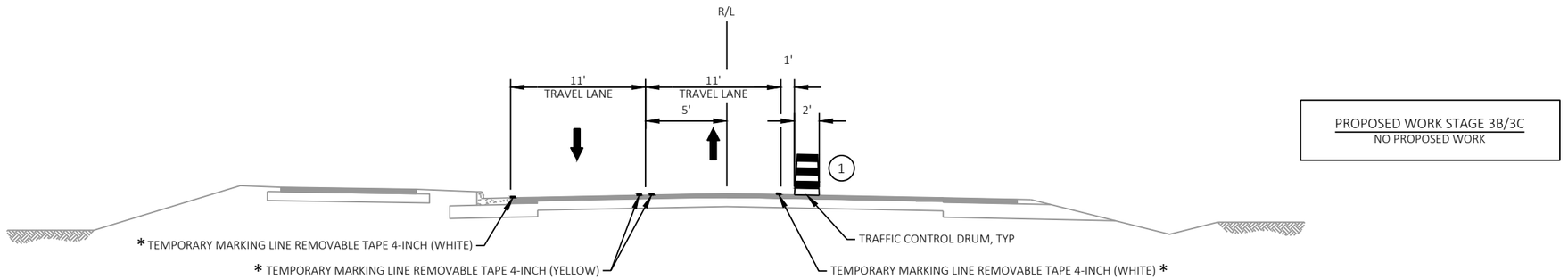
(1) DRUM PLACEMENT SHOWN DURING NON-WORKING HOURS, SEE SDD " TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" TO REDUCE TRAFFIC TO ONE LANE OF BIDIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE TEMPORARY CROSS SECTIONS FOR ADDITIONAL INFORMATION.

2



** STAGE 3B/3C TYPICAL SECTION
S 72ND AVE
(SOUTH OF STEWART AVE)



STAGE 3B/3C TYPICAL SECTION
S 72ND AVE
(NORTH OF STEWART AVE)

NOTES

(1) DRUM PLACEMENT SHOWN DURING NON-WORKING HOURS, SEE SDD " TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" TO REDUCE TRAFFIC TO ONE LANE OF BIDIRECTIONAL TRAFFIC DURING WORKING HOURS.

* MARKING PLACED IN PREVIOUS STAGE

** 72ND AVE SOUTH OF STEWART AVE IS CLOSED DURING STAGE 3C TO CONSTRUCT THE SANITARY SEWER

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 3B AND STAGE 3C - TYPICAL SECTIONS	SHEET 175	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025102-TC.DWG
LAYOUT NAME - 09
PLOT DATE : 8/24/2023 2:47 PM
PLOT BY : NICHOLAS WIEDERIN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT (PLACED IN PREVIOUS STAGE)
- AREA RESERVED FOR TURNING MOVEMENTS. COMPLETED IN STAGE 3C.

- CW — TEMPORARY MARKING CROSSWALK PAINT 6-INCH
- R4 — MARKING REMOVAL LINE 4-INCH
- R8 — MARKING REMOVAL LINE 8-INCH
- RW — MARKING REMOVAL LINE WIDE
- RS — MARKING REMOVAL SPECIAL MARKING
- TTY — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- TTW — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- TY — TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- TW — TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- STP — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- YDT — TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE" AND "TRAFFIC CONTROL, PARTIAL LANE SHIFT NON-FREEWAY/EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER" FOR ADDITIONAL INFORMATION.

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.

RESTORE CENTERLINE MARKING FROM STA 94+05

TEMPORARY PAVEMENT MARKINGS INSTALLED IN PREVIOUS STAGE

STEWART AVE

95+00 96+00 97+00 98+00 99+00 100+00 101+00

12' 12'

STA 99+23.62
O/S 0.00'

STA 100+91.22
O/S 10.00' LT

TEMPORARY PAVEMENT MARKINGS INSTALLED IN PREVIOUS STAGE

W01-4R

11' 11'

50' TYP

S 72ND AVE

STOP
R1-1
36"X36"

SIDEWALK CLOSED
R9-9
24"X12"

25'

15' TYP

N

REPLACE SIGNAL AHEAD SIGN WITH STOP AHEAD SIGN AT STA 94+81

W3-1
36"X36"

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADDITIONAL INFORMATION.

**STEWART AVE
CLOSED
AT S 68TH AVE
USE ALT ROUTE**

FMS
66"X48"

25' 11'

25' TYP

18+00

TEMPORARY PAVEMENT MARKINGS INSTALLED IN PREVIOUS STAGE

S 72ND AVE

STOP
R1-1
36"X36"

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 3B - S 72ND AVE INTERSECTION DETAIL	SHEET 176	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025109-TC.DWG
LAYOUT NAME - 01

PLOT DATE : 10/20/2023 9:53 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT (PLACED IN PREVIOUS STAGE)
- AREA RESERVED FOR TURNING MOVEMENTS. COMPLETED IN STAGE 3C.

CW	TEMPORARY MARKING CROSSWALK PAINT 6-INCH
R4	MARKING REMOVAL LINE 4-INCH
R8	MARKING REMOVAL LINE 8-INCH
RW	MARKING REMOVAL LINE WIDE
RS	MARKING REMOVAL SPECIAL MARKING
TTY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TTW	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TY	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TW	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
STP	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
YDT	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE" AND "TRAFFIC CONTROL, PARTIAL LANE SHIFT NON-FREEWAY/EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER" FOR ADDITIONAL INFORMATION.

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.

N

STEWART AVE

12' 12'

99+00

100+00

101+00

STOP R1-1 36"X36"

SIDEWALK CLOSED R9-9 24"X12"

STOP R1-1 36"X36"

TEMPORARY PAVEMENT MARKINGS INSTALLED IN PREVIOUS STAGE

STA 16+95.15 O/S 3.30' LT

S 72ND AVE

STA 18+43.70 O/S 0.00'

STA 19+70.98 O/S 5.00' LT

12' 11'

STA 16+95.26 O/S 8.28' RT

STA 15+76.42 O/S 28.24' RT

25' TYP

15' TYP

50' TYP

STEWART AVE CLOSED AT S 68TH AVE USE ALT ROUTE

FMS 66"X48"

ROAD CLOSED AHEAD W20-3A

STOP R1-1 36"X36"

STOP R1-1 36"X36"

W3-1 36"X36"

REPLACE SIGNAL AHEAD SIGN WITH STOP AHEAD SIGN AT STA 15+39

WO1-4R

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 3B - S 72ND AVE INTERSECTION DETAIL	SHEET 177	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025109-TC.DWG
LAYOUT NAME - 02

PLOT DATE : 10/20/2023 9:53 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN		CW	TEMPORARY MARKING CROSSWALK PAINT 6-INCH
TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)	× ×	R4	MARKING REMOVAL LINE 4-INCH
EXISTING PAVEMENT MARKING	× ×	R8	MARKING REMOVAL LINE 8-INCH
TEMPORARY PEDESTRIAN BARRICADE	× ×	RW	MARKING REMOVAL LINE WIDE
DIRECTION OF TRAFFIC		RS	MARKING REMOVAL SPECIAL MARKING
SIGN ON PERMANENT/TEMPORARY SUPPORT		TTY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
CONCRETE BARRIER TEMPORARY PRECAST		TTW	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
CRASH CUSHIONS TEMPORARY		TY	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
WORK AREA		TW	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
ASPHALTIC PAVEMENT (PLACED IN PREVIOUS STAGE)		STP	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AREA RESERVED FOR TURNING MOVEMENTS. COMPLETED IN STAGE 3C.		YDT	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE" AND "TRAFFIC CONTROL, PARTIAL LANE SHIFT NON-FREEWAY/EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER" FOR ADDITIONAL INFORMATION.

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

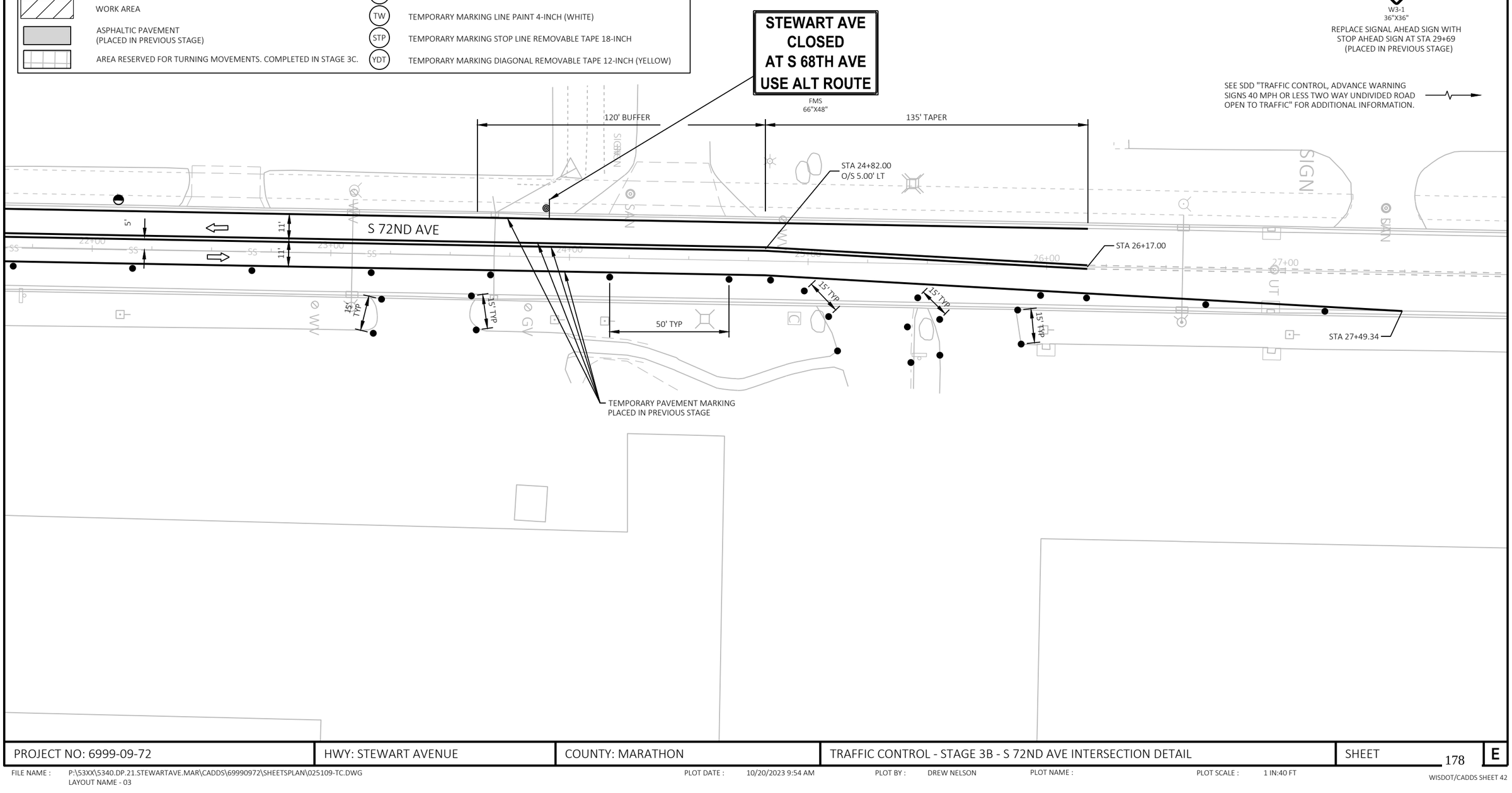
SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.

N

W3-1
36"X36"

REPLACE SIGNAL AHEAD SIGN WITH STOP AHEAD SIGN AT STA 29+69 (PLACED IN PREVIOUS STAGE)

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADDITIONAL INFORMATION.



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 3B - S 72ND AVE INTERSECTION DETAIL	SHEET 178	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025109-TC.DWG
LAYOUT NAME - 03

PLOT DATE : 10/20/2023 9:54 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT (PLACED IN PREVIOUS STAGE)
- AREA RESERVED FOR TURNING MOVEMENTS. COMPLETED IN STAGE 3C.

CW	TEMPORARY MARKING CROSSWALK PAINT 6-INCH
R4	MARKING REMOVAL LINE 4-INCH
R8	MARKING REMOVAL LINE 8-INCH
RW	MARKING REMOVAL LINE WIDE
RS	MARKING REMOVAL SPECIAL MARKING
TTY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TTW	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TY	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TW	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
STP	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
YDT	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

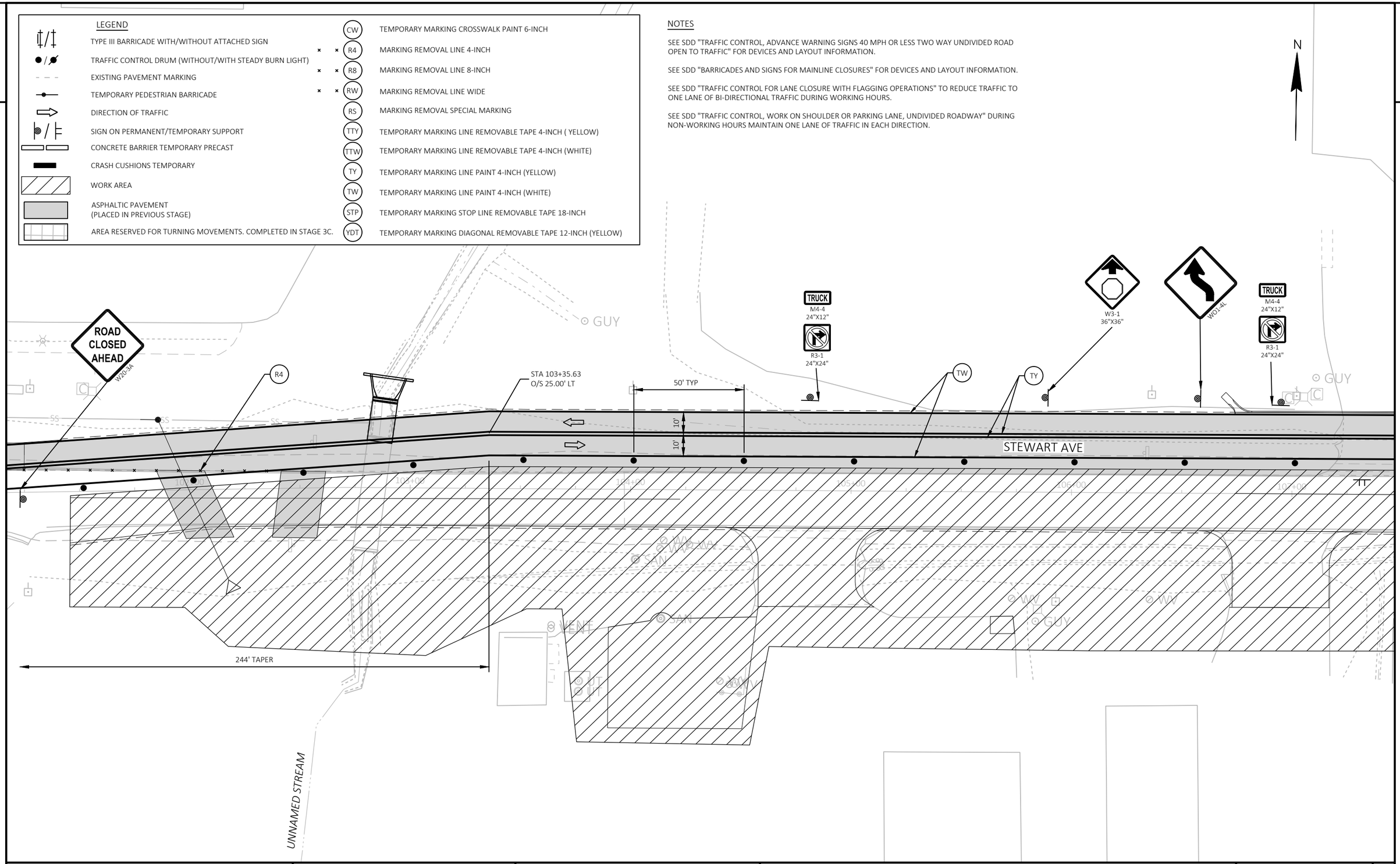
SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.

N



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 3B - STEWART AVENUE	SHEET 179	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025109-TC.DWG
LAYOUT NAME - 04

PLOT DATE : 10/20/2023 9:54 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT (PLACED IN PREVIOUS STAGE)
- AREA RESERVED FOR TURNING MOVEMENTS. COMPLETED IN STAGE 3C.

CW	TEMPORARY MARKING CROSSWALK PAINT 6-INCH
R4	MARKING REMOVAL LINE 4-INCH
R8	MARKING REMOVAL LINE 8-INCH
RW	MARKING REMOVAL LINE WIDE
RS	MARKING REMOVAL SPECIAL MARKING
TTY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TTW	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TY	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TW	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
STP	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
YDT	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

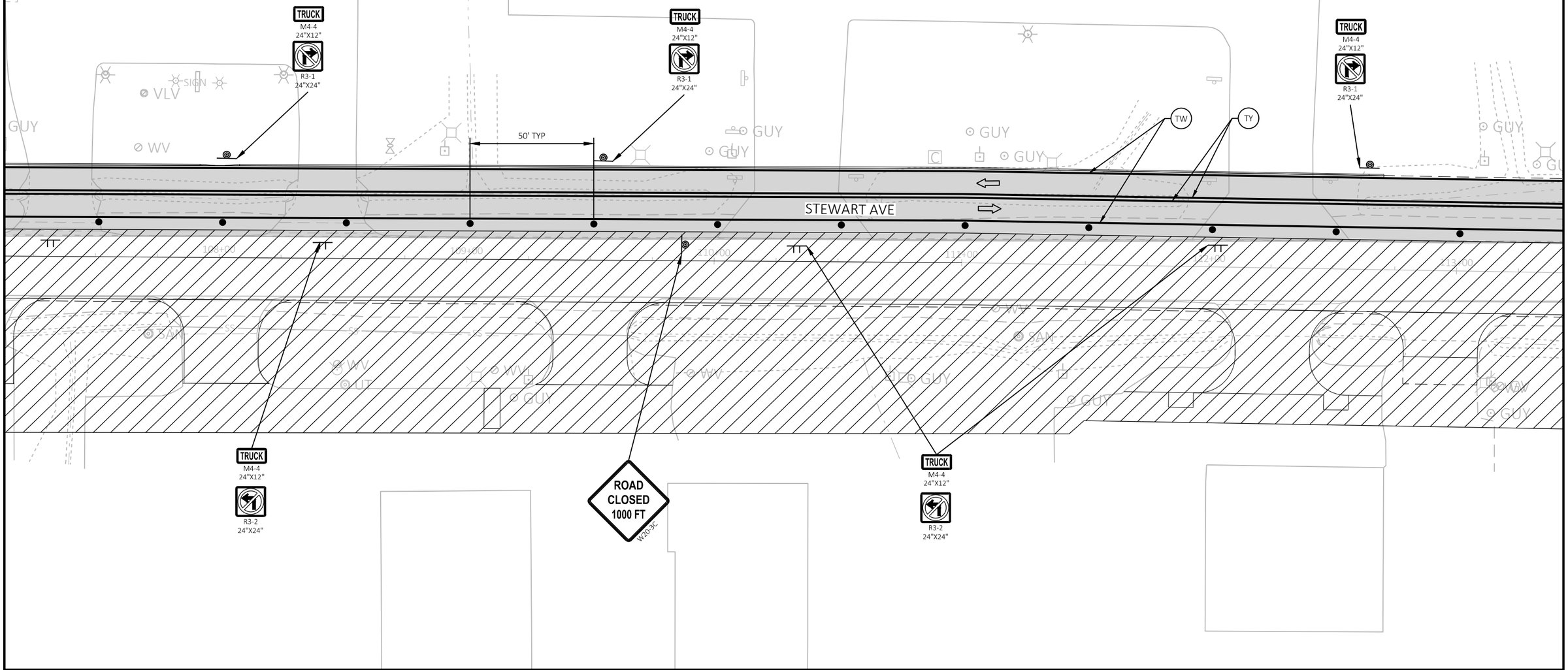
SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.

N



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 3B - STEWART AVENUE	SHEET 180	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025109-TC.DWG
LAYOUT NAME - 05

PLOT DATE : 10/20/2023 9:54 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	
TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)	
EXISTING PAVEMENT MARKING	
TEMPORARY PEDESTRIAN BARRICADE	
DIRECTION OF TRAFFIC	
SIGN ON PERMANENT/TEMPORARY SUPPORT	
CONCRETE BARRIER TEMPORARY PRECAST	
CRASH CUSHIONS TEMPORARY	
WORK AREA	
ASPHALTIC PAVEMENT (PLACED IN PREVIOUS STAGE)	
AREA RESERVED FOR TURNING MOVEMENTS. COMPLETED IN STAGE 3C.	

CW	TEMPORARY MARKING CROSSWALK PAINT 6-INCH
R4	MARKING REMOVAL LINE 4-INCH
R8	MARKING REMOVAL LINE 8-INCH
RW	MARKING REMOVAL LINE WIDE
RS	MARKING REMOVAL SPECIAL MARKING
TTY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TTW	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TY	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TW	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
STP	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
YDT	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

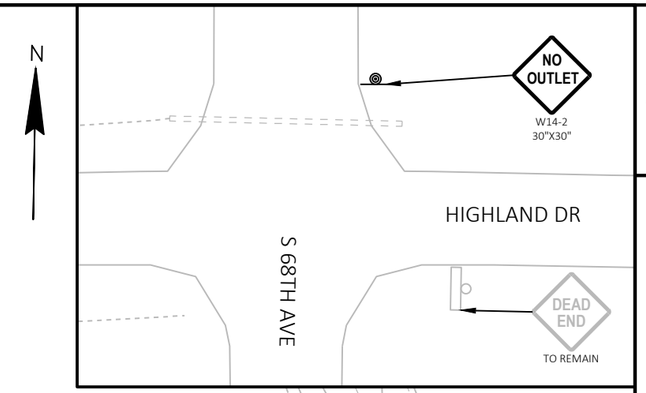
NOTES

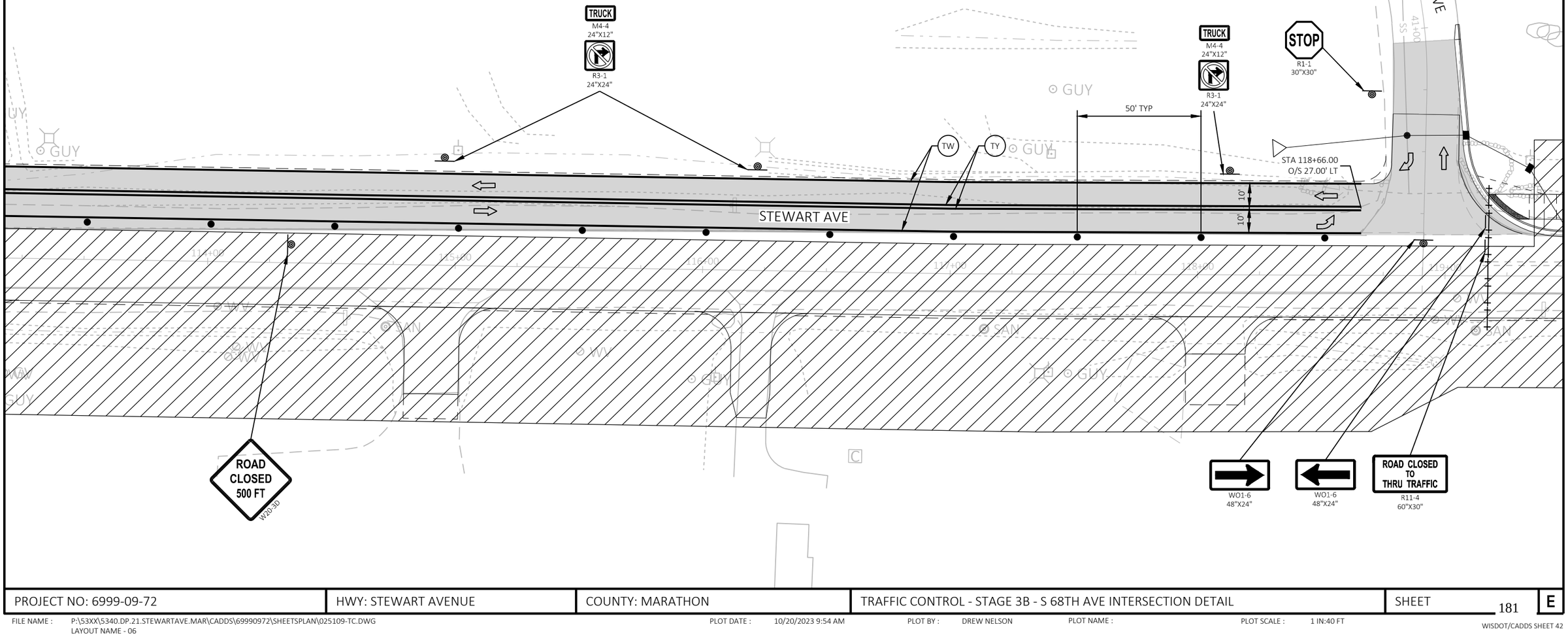
SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.





PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 3B - S 68TH AVE INTERSECTION DETAIL	SHEET 181	E

2

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN		CW	TEMPORARY MARKING CROSSWALK PAINT 6-INCH
TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)	×	R4	MARKING REMOVAL LINE 4-INCH
EXISTING PAVEMENT MARKING	×	R8	MARKING REMOVAL LINE 8-INCH
TEMPORARY PEDESTRIAN BARRICADE	×	RW	MARKING REMOVAL LINE WIDE
DIRECTION OF TRAFFIC		RS	MARKING REMOVAL SPECIAL MARKING
SIGN ON PERMANENT/TEMPORARY SUPPORT		TTY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
CONCRETE BARRIER TEMPORARY PRECAST		TTW	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
CRASH CUSHIONS TEMPORARY		TY	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
WORK AREA		TW	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
ASPHALTIC PAVEMENT (PLACED IN PREVIOUS STAGE)		STP	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AREA RESERVED FOR TURNING MOVEMENTS. COMPLETED IN STAGE 3C.		YDT	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.

N

ROAD CLOSED 500 FT
W20-3D
STA 157+83

ROAD CLOSED 1000 FT
W20-3C
STA 162+83

STEWART AVE CLOSED AT S 56TH AVE USE ALT ROUTE
FMS 66"X48"
PLACE SIGN EAST OF S 48TH AVE

STOP
TO REMAIN

S 56TH AVE

61+00

WELL

GUY

SS

WV

SAN

STEWART AVE

12'

12'

152+00

153+00

154+00

155+00

156+00

157+00

STOP
R1-1
30"X30"

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

WO1-7
48"X24"

59+00

S 56TH AVE

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADDITIONAL INFORMATION.

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 3B - S 56TH AVE INTERSECTION DETAIL	SHEET 182	E

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT PLACED IN A PREVIOUS STAGE

- R4 MARKING REMOVAL LINE 4-INCH
- R8 MARKING REMOVAL LINE 8-INCH
- RW MARKING REMOVAL LINE WIDE
- RS MARKING REMOVAL SPECIAL MARKING
- TTY TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- TTW TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- TY TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- TW TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- STP TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- YDT TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION

SEE SDD "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE" AND "TRAFFIC CONTROL, PARTIAL LANE SHIFT NON-FREEWAY/EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER" FOR ADDITIONAL INFORMATION

N

STEWART AVE

12' 12'

99+00

STOP R1-1 36"X36"

R4-7 24"X30"

SIDEWALK CLOSED R9-9 24"X12"

STOP R1-1 36"X36"

TEMPORARY PAVEMENT MARKINGS INSTALLED IN PREVIOUS STAGE

S 72ND AVE

15' TYP

100+00

S 72ND AVE

11'

11'

15' TYP

15' TYP

50' TYP

W01-4R

TEMPORARY PAVEMENT MARKINGS INSTALLED IN PREVIOUS STAGE

PLACE ROAD CLOSED BARRICADE ARRAY, SIGNS, AND DRUMS AT STH 29 WB EXIT RAMP TO NOT ALLOW TRAFFIC NB ON S 72ND AVE DURING SHORT TERM CLOSURE

STEWART AVE

STOP R1-1 36"X36"

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 3C - SHORT TERM CLOSURE	SHEET 183	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025110-TC.DWG
LAYOUT NAME - 01

PLOT DATE : 10/20/2023 10:02 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
	EXISTING PAVEMENT MARKING
	TEMPORARY PEDESTRIAN BARRICADE
	DIRECTION OF TRAFFIC
	SIGN ON PERMANENT/TEMPORARY SUPPORT
	CONCRETE BARRIER TEMPORARY PRECAST
	CRASH CUSHIONS TEMPORARY
	WORK AREA
	ASPHALTIC PAVEMENT PLACED IN A PREVIOUS STAGE

R4	MARKING REMOVAL LINE 4-INCH
R8	MARKING REMOVAL LINE 8-INCH
RW	MARKING REMOVAL LINE WIDE
RS	MARKING REMOVAL SPECIAL MARKING
TTY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TTW	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TY	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TW	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
STP	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
YDT	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR DEVICES AND LAYOUT INFORMATION

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" FOR DEVICES AND LAYOUT INFORMATION

N

2

W01-4R

PLACE AT STA 107+54

546' TAPER

TEMPORARY PAVEMENT MARKINGS INSTALLED IN PREVIOUS STAGE TO STA 111+04

STA 111+04.00
O/S 27.00' LT

R4

TTW

TTW

TTW

TTY

10'

10'

50' TYP

STEWART AVE

STEWART AVE

108+00 109+00 110+00 111+00 112+00 113+00 114+00

SIGN

GUY

WV

UT

SS

SAN

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 3C - S 68TH AVE INTERSECTION DETAIL	SHEET 184	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025110-TC.DWG
LAYOUT NAME - 02

PLOT DATE : 10/20/2023 10:03 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT PLACED IN A PREVIOUS STAGE

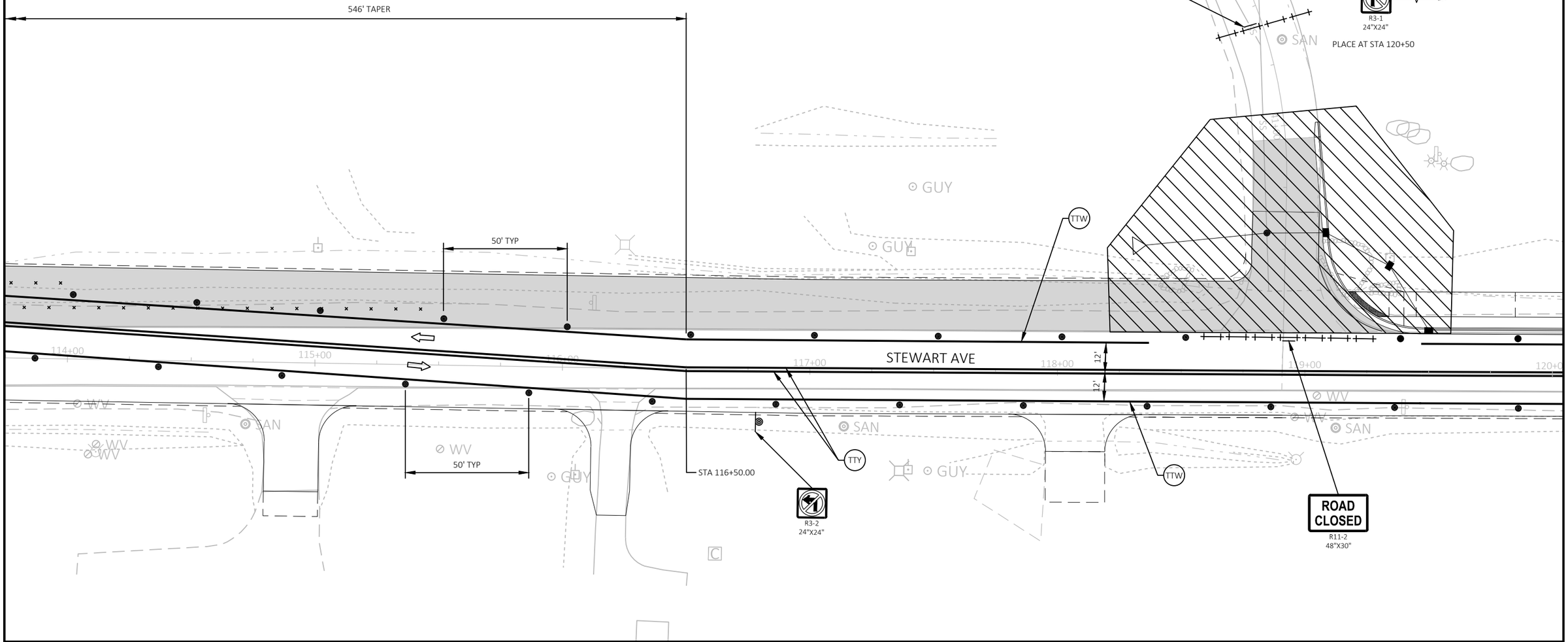
- R4 MARKING REMOVAL LINE 4-INCH
- R8 MARKING REMOVAL LINE 8-INCH
- RW MARKING REMOVAL LINE WIDE
- RS MARKING REMOVAL SPECIAL MARKING
- TTY TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- TTW TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- TY TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- TW TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- STP TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- YDT TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR DEVICES AND LAYOUT INFORMATION

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" FOR DEVICES AND LAYOUT INFORMATION



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 3C - S 68TH AVE INTERSECTION DETAIL	SHEET 185	E

2

LEGEND

- PROPOSED CONSTRUCTION
- ASPHALTIC SURFACE TEMPORARY
- BI-DIRECTIONAL TRAFFIC WITH FLAGGING DURING WORKING HOURS
- TRAFFIC FLOW DIRECTION

N

STEWART AVE OPEN TO TRAFFIC ON PROPOSED LANES

COMPLETE ALL TRAFFIC SIGNAL WORK

BEGIN CONSTRUCTION

ROAD CLOSED TO WESTBOUND TRAFFIC WEST OF S 68TH AVE. SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" AND TRAFFIC CONTROL INTERSECTION DETAIL FOR ADDITIONAL INFORMATION.

STEWART AVE

100 110 120 130 140

S 72ND AVE

S 68TH AVE

UNNAMED STREAM

STH 29 WB

STH 29 EB

PACKER DR

N

STEWART AVE OPEN TO TRAFFIC ON PROPOSED LANES

130 140 150 160 170 180

STEWART AVE

S 56TH AVE

LITTLE RIB RIVER

S 48TH AVE

ROBERTA LN

STH 29 WB
STH 29 EB
PACKER DR

PROPOSED WORK

STAGE 4:

STEWART AVENUE (LT) - SOUTH 72ND AVENUE TO SOUTH 68TH AVENUE: CONSTRUCT REMAINING STORM SEWER, TRAFFIC SIGNALS, MULTI-USE TRAIL, AND PROPOSED ROADWAY.

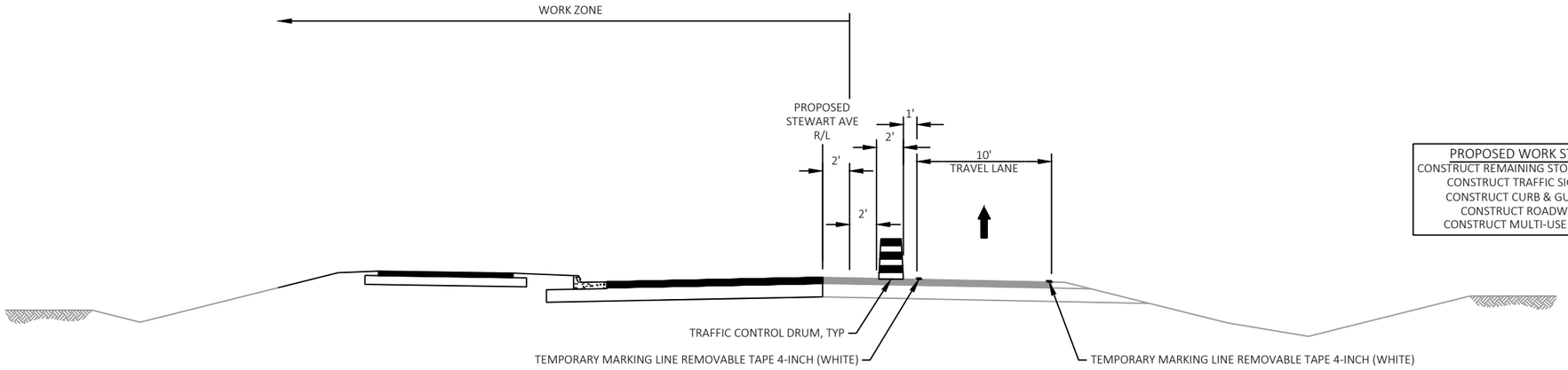
SOUTH 72ND AVENUE INTERSECTION - NE QUADRANT: CONSTRUCT REMAINING STORM SEWER, TRAFFIC SIGNALS, MULTI-USE TRAIL, AND PROPOSED ROADWAY IN INTERSECTION.

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 4 - OVERVIEW	SHEET 186	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025101-TC.DWG
LAYOUT NAME - 06

PLOT DATE : 10/27/2023 1:49 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:500 FT

2

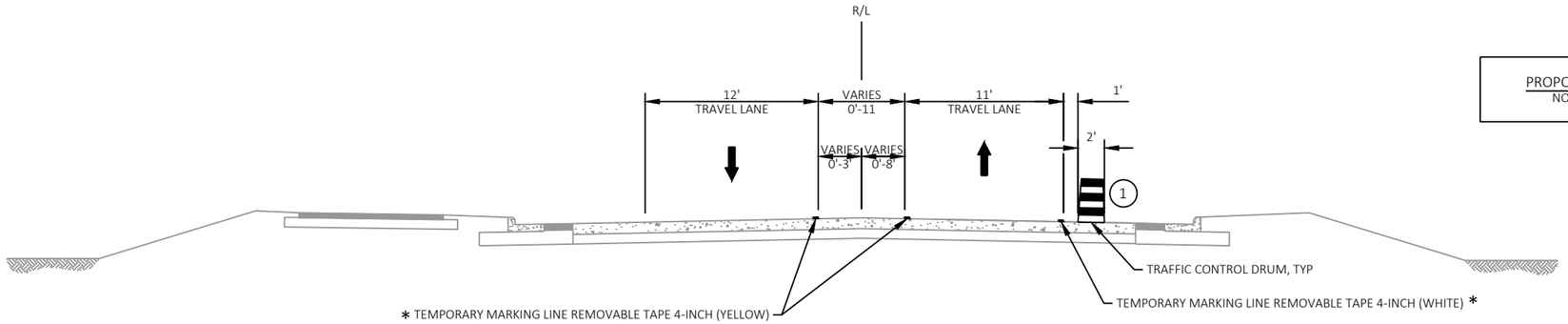


PROPOSED WORK STAGE 4
CONSTRUCT REMAINING STORM SEWER, LT
CONSTRUCT TRAFFIC SIGNAL, LT
CONSTRUCT CURB & GUTTER, LT
CONSTRUCT ROADWAY, LT
CONSTRUCT MULTI-USE TRAIL, LT

STAGE 4 TYPICAL SECTION
STEWART AVE

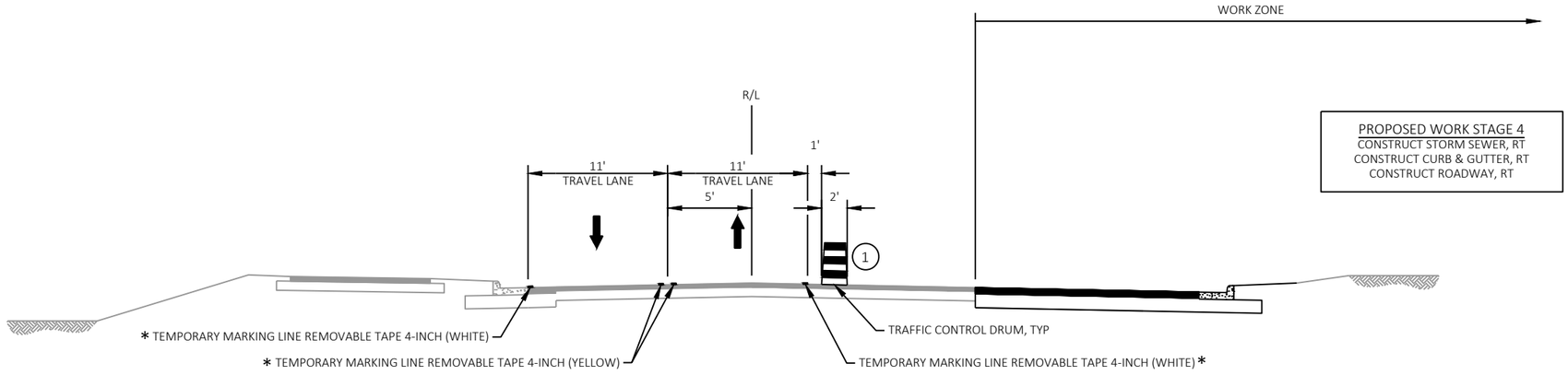
(S 72ND AVE - S 68TH AVE)

2



PROPOSED WORK STAGE 4
NO PROPOSED WORK

STAGE 4 TYPICAL SECTION
S 72ND AVE
(SOUTH OF STEWART AVE)



PROPOSED WORK STAGE 4
CONSTRUCT STORM SEWER, RT
CONSTRUCT CURB & GUTTER, RT
CONSTRUCT ROADWAY, RT

STAGE 4 TYPICAL SECTION
S 72ND AVE
(NORTH OF STEWART AVE)

NOTES

(1) DRUM PLACEMENT SHOWN DURING NON-WORKING HOURS, SEE SDD " TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" TO REDUCE TRAFFIC TO ONE LANE OF BIDIRECTIONAL TRAFFIC DURING WORKING HOURS.

* MARKING PLACED IN PREVIOUS STAGE

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 4 - TYPICAL SECTIONS	SHEET 188	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025102-TC.DWG
LAYOUT NAME - 11

PLOT DATE : 8/24/2023 2:50 PM PLOT BY : NICHOLAS WIEDERIN PLOT NAME : PLOT SCALE : 1 IN:10 FT

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT (PLACED IN PREVIOUS STAGE)
- AREA RESERVED FOR TURNING MOVEMENTS. COMPLETED IN STAGE 4 UNDER DETOUR.

- CW — TEMPORARY MARKING CROSSWALK PAINT 6-INCH
- R4 — MARKING REMOVAL LINE 4-INCH
- R8 — MARKING REMOVAL LINE 8-INCH
- RW — MARKING REMOVAL LINE WIDE
- RS — MARKING REMOVAL SPECIAL MARKING
- TTY — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- TTW — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- TY — TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- TW — TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- STP — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- YDT — TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

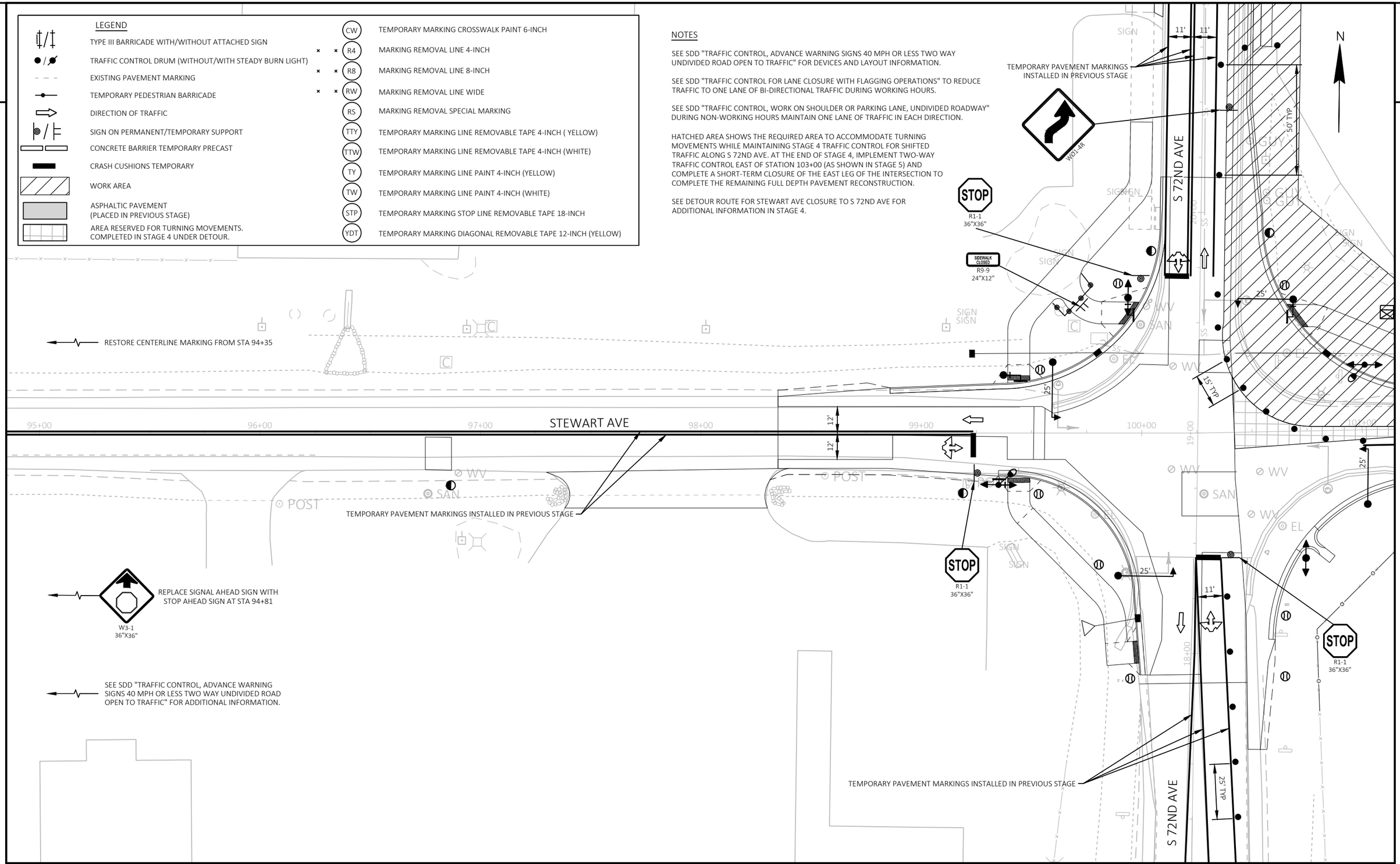
SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.

HATCHED AREA SHOWS THE REQUIRED AREA TO ACCOMMODATE TURNING MOVEMENTS WHILE MAINTAINING STAGE 4 TRAFFIC CONTROL FOR SHIFTED TRAFFIC ALONG S 72ND AVE. AT THE END OF STAGE 4, IMPLEMENT TWO-WAY TRAFFIC CONTROL EAST OF STATION 103+00 (AS SHOWN IN STAGE 5) AND COMPLETE A SHORT-TERM CLOSURE OF THE EAST LEG OF THE INTERSECTION TO COMPLETE THE REMAINING FULL DEPTH PAVEMENT RECONSTRUCTION.

SEE DETOUR ROUTE FOR STEWART AVE CLOSURE TO S 72ND AVE FOR ADDITIONAL INFORMATION IN STAGE 4.



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 4 - S 72ND AVE INTERSECTION DETAIL	SHEET 189	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025111-TC.DWG
LAYOUT NAME - 01
PLOT DATE : 10/20/2023 9:58 AM
PLOT BY : DREW NELSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN		CW	TEMPORARY MARKING CROSSWALK PAINT 6-INCH
TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)	× ×	R4	MARKING REMOVAL LINE 4-INCH
EXISTING PAVEMENT MARKING	× ×	R8	MARKING REMOVAL LINE 8-INCH
TEMPORARY PEDESTRIAN BARRICADE	× ×	RW	MARKING REMOVAL LINE WIDE
DIRECTION OF TRAFFIC		RS	MARKING REMOVAL SPECIAL MARKING
SIGN ON PERMANENT/TEMPORARY SUPPORT		TTY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
CONCRETE BARRIER TEMPORARY PRECAST		TTW	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
CRASH CUSHIONS TEMPORARY		TY	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
WORK AREA		TW	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
ASPHALTIC PAVEMENT (PLACED IN PREVIOUS STAGE)		STP	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AREA RESERVED FOR TURNING MOVEMENTS. COMPLETED IN STAGE 4 UNDER DETOUR.		YDT	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.

HATCHED AREA SHOWS THE REQUIRED AREA TO ACCOMMODATE TURNING MOVEMENTS WHILE MAINTAINING STAGE 4 TRAFFIC CONTROL FOR SHIFTED TRAFFIC ALONG S 72ND AVE. AT THE END OF STAGE 4, IMPLEMENT TWO-WAY TRAFFIC CONTROL EAST OF STATION 103+00 (AS SHOWN IN STAGE 5) AND COMPLETE A SHORT-TERM CLOSURE OF THE EAST LEG OF THE INTERSECTION TO COMPLETE THE REMAINING FULL DEPTH PAVEMENT RECONSTRUCTION.

SEE DETOUR ROUTE FOR STEWART AVE CLOSURE TO S 72ND AVE FOR ADDITIONAL INFORMATION IN STAGE 4

N

STEWART AVE

S 72ND AVE

TEMPORARY PAVEMENT MARKINGS INSTALLED IN PREVIOUS STAGE

STOP R1-1 36"X36"

SIDEWALK CLOSED R9-9 24"X12"

12'

25'

11'

15' TYP

50' TYP

TTW

10'

W3-1 36"X36"

REPLACE SIGNAL AHEAD SIGN WITH STOP AHEAD SIGN AT STA 15+39

W01-4R

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADDITIONAL INFORMATION.

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 4 - S 72ND AVE INTERSECTION DETAIL	SHEET 190	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025111-TC.DWG
LAYOUT NAME - 02

PLOT DATE : 10/20/2023 9:58 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT (PLACED IN PREVIOUS STAGE)
- AREA RESERVED FOR TURNING MOVEMENTS. COMPLETED IN STAGE 4 UNDER DETOUR.

CW	TEMPORARY MARKING CROSSWALK PAINT 6-INCH
R4	MARKING REMOVAL LINE 4-INCH
R8	MARKING REMOVAL LINE 8-INCH
RW	MARKING REMOVAL LINE WIDE
RS	MARKING REMOVAL SPECIAL MARKING
TTY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TTW	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TY	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TW	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
STP	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
YDT	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

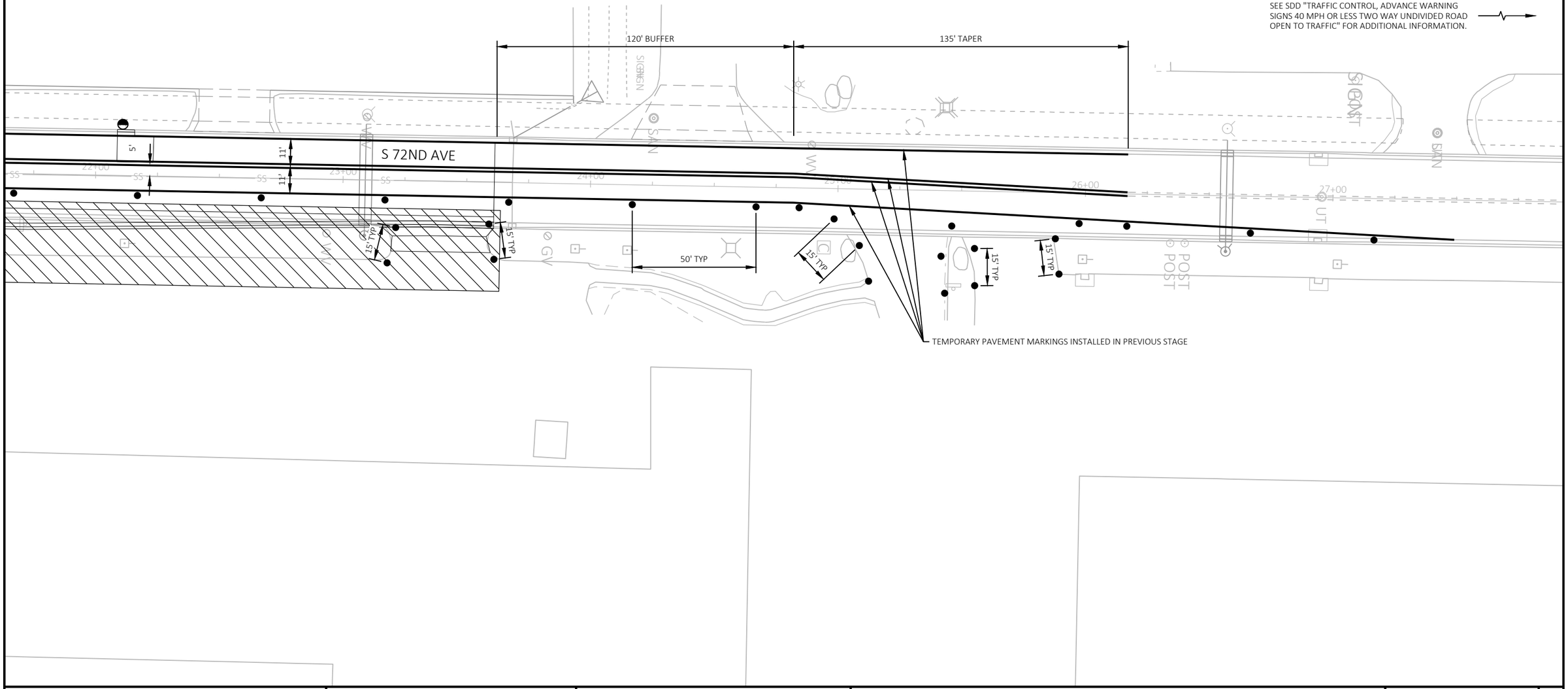
SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.

N

W3-1
36"X36"

REPLACE SIGNAL AHEAD SIGN WITH STOP AHEAD SIGN AT STA 29+69 (PLACED IN PREVIOUS STAGE)

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADDITIONAL INFORMATION.



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 4 - S 72ND AVE INTERSECTION DETAIL	SHEET 191	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025111-TC.DWG
LAYOUT NAME - 03

PLOT DATE : 10/20/2023 9:58 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT (PLACED IN PREVIOUS STAGE)
- AREA RESERVED FOR TURNING MOVEMENTS. COMPLETED IN STAGE 4 UNDER DETOUR.

- CW TEMPORARY MARKING CROSSWALK PAINT 6-INCH
- R4 MARKING REMOVAL LINE 4-INCH
- R8 MARKING REMOVAL LINE 8-INCH
- RW MARKING REMOVAL LINE WIDE
- RS MARKING REMOVAL SPECIAL MARKING
- TTY TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- TTW TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- TY TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- TW TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- STP TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- YDT TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR DEVICES AND LAYOUT INFORMATION.

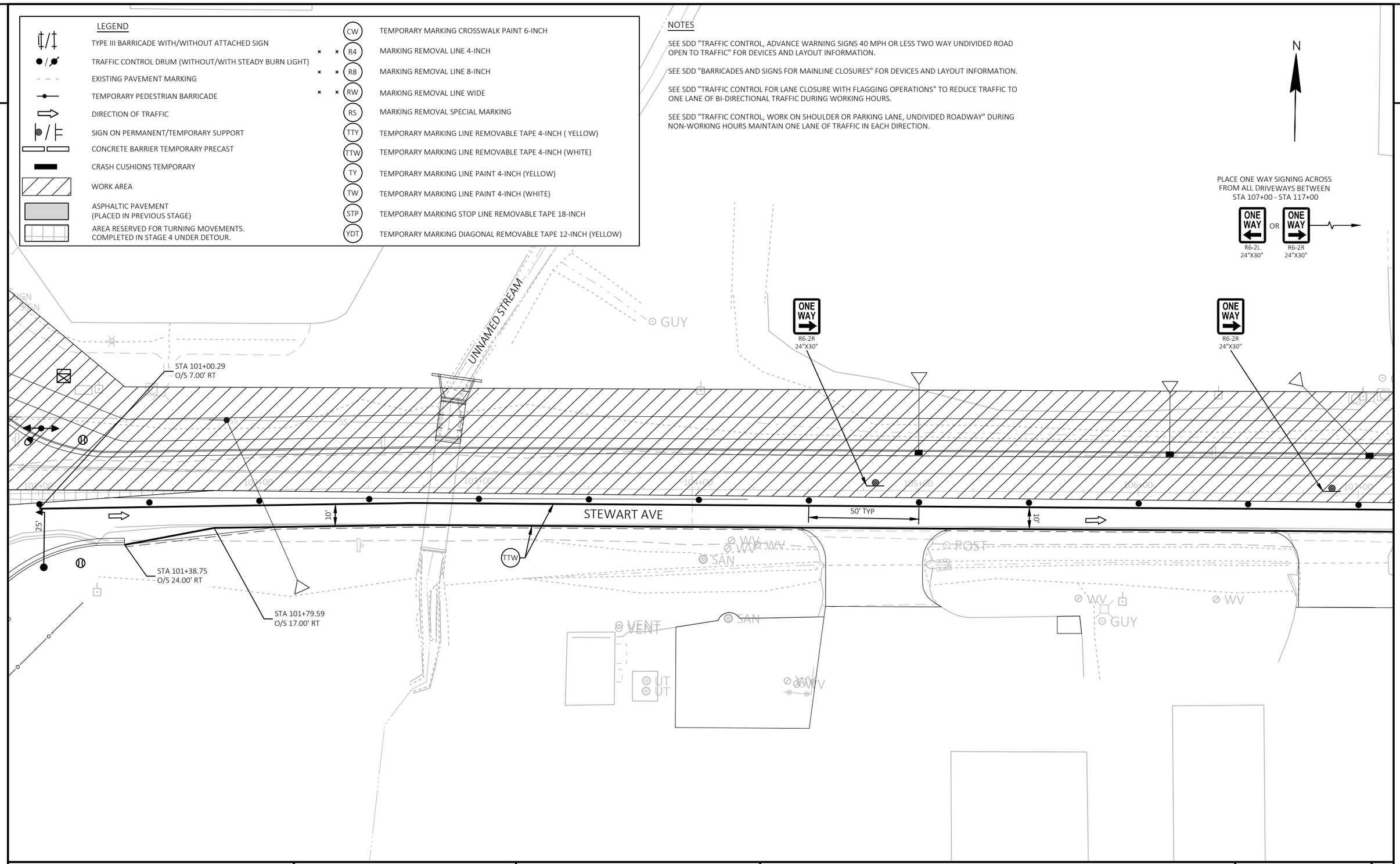
SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.

N

PLACE ONE WAY SIGNING ACROSS FROM ALL DRIVEWAYS BETWEEN STA 107+00 - STA 117+00

ONE WAY R6-2L 24"X30" OR ONE WAY R6-2R 24"X30"



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 4 - STEWART AVE	SHEET 192	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025111-TC.DWG
LAYOUT NAME - 04

PLOT DATE : 10/20/2023 9:58 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT/WITH STEADY BURN LIGHT)
- EXISTING PAVEMENT MARKING
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- WORK AREA
- ASPHALTIC PAVEMENT (PLACED IN PREVIOUS STAGE)
- AREA RESERVED FOR TURNING MOVEMENTS. COMPLETED IN STAGE 4 UNDER DETOUR.

CW	TEMPORARY MARKING CROSSWALK PAINT 6-INCH
R4	MARKING REMOVAL LINE 4-INCH
R8	MARKING REMOVAL LINE 8-INCH
RW	MARKING REMOVAL LINE WIDE
RS	MARKING REMOVAL SPECIAL MARKING
TTY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TTW	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TY	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TW	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
STP	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
YDT	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)

NOTES

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR DEVICES AND LAYOUT INFORMATION.

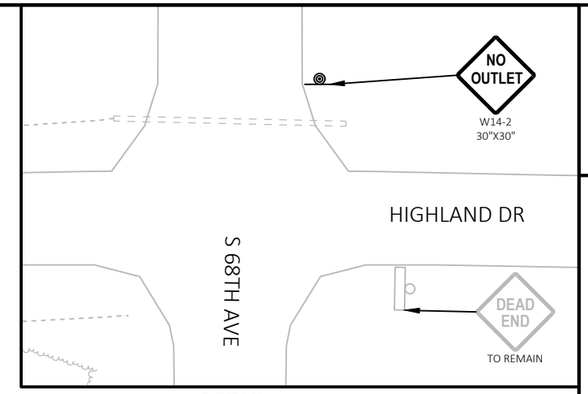
SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR DEVICES AND LAYOUT INFORMATION.

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS.

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DURING NON-WORKING HOURS MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION.

PLACE HMA PEMENT ON S 68TH AVE UNDER FLAGGING OPERATIONS.

N



DETAIL A

PLACE ONE WAY SIGNING ACROSS FROM ALL DRIVEWAYS BETWEEN STA 107+00 - STA 117+00

ONE WAY R6-2L 24"X30" OR ONE WAY R6-2R 24"X30"

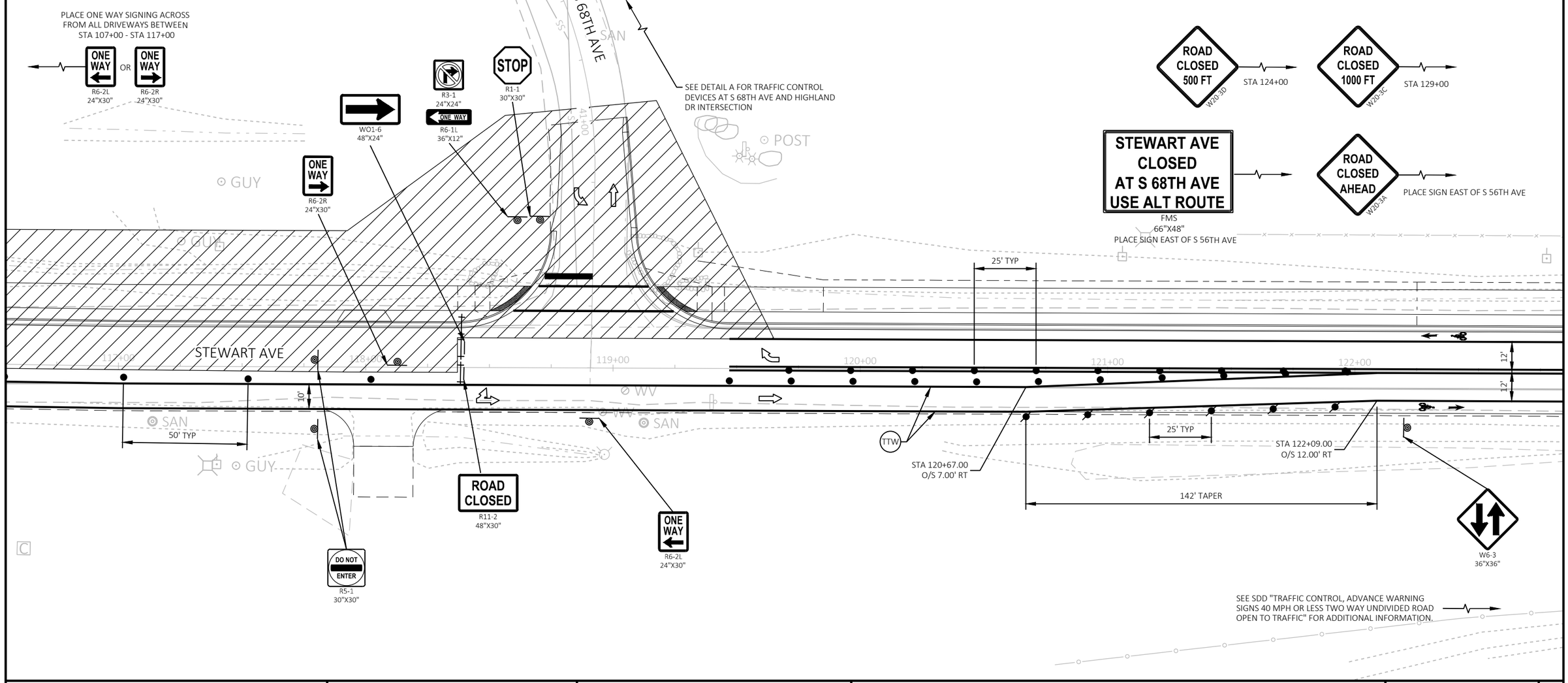
SEE DETAIL A FOR TRAFFIC CONTROL DEVICES AT S 68TH AVE AND HIGHLAND DR INTERSECTION

ROAD CLOSED 500 FT W20-3D — STA 124+00

ROAD CLOSED 1000 FT W20-3C — STA 129+00

STEWART AVE CLOSED AT S 68TH AVE USE ALT ROUTE
FMS
66"X48"
PLACE SIGN EAST OF S 56TH AVE

ROAD CLOSED AHEAD W20-3A — PLACE SIGN EAST OF S 56TH AVE



SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADDITIONAL INFORMATION.

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 4 - S 68TH AVE INTERSECTION DETAIL	SHEET 193	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025111-TC.DWG
LAYOUT NAME - 05

PLOT DATE : 10/20/2023 9:59 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

PROPOSED CONSTRUCTION

ASPHALTIC SURFACE TEMPORARY

BI-DIRECTIONAL TRAFFIC WITH FLAGGING DURING WORKING HOURS

TRAFFIC FLOW DIRECTION

N

S 72ND AVE

UNNAMED STREAM

COMPLETE MILL AND OVERLAY AND ANY REMAINING TRAFFIC SIGNAL WORK

S 68TH AVE

COMPLETE SURFACE HMA PAVEMENT

STEWART AVE

100 110 120 130 140

BEGIN CONSTRUCTION

UNNAMED STREAM

STH 29 WB

STH 29 EB

PACKER DR

S 72ND AVE

2

N

LITTLE RIB RIVER

S 56TH AVE

130 140 150 160 STEWART AVE 170 180

S 56TH AVE

STH 29 WB

STH 29 EB

PACKER DR

S 48TH AVE

ROBERTA LN

PROPOSED WORK

STAGE 5:

STEWART AVENUE/SOUTH 72ND AVENUE INTERSECTION - MILL AND OVERLAY INTERSECTION UNDER FLAGGING OPERATIONS. COMPLETE ANY REMAINING TRAFFIC SIGNAL WORK.

STEWART AVENUE - COMPLETE SURFACE HMA FOR THE WEST BOUND DIRECTION BETWEEN SOUTH 72ND AVENUE AND SOUTH 68TH AVENUE UNDER FLAGGING OPERATIONS.

SOUTH 68TH AVENUE - COMPLETE SURFACE HMA WITHIN THE 68TH AVENUE INTERSECTION UNDER FLAGGING OPERATIONS.

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	TRAFFIC CONTROL - STAGE 5 - OVERVIEW	SHEET 194	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\025101-TC.DWG
LAYOUT NAME - 07

PLOT DATE : 10/20/2023 9:55 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:500 FT

LEGEND

DETOUR ROUTE - STH 29 EB

DETOUR ROUTE - STH 29 WB

DETOUR ROUTE - USH 51 SB TO STH 29 WB

ROAD CLOSED

NOTES

ALL TRAFFIC CONTROL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" AND "DETOUR SIGNING FOR MAINLINE CLOSURES" FOR SPACING AND PLACEMENT OF SIGNS.

SEE DETAIL B AND DETAIL D OF SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR ADDITIONAL INFORMATION



1 — FMS 126"X72"



2 — FMS 126"X72"



1A — FMS 126"X54"



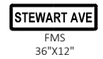
2A — FMS 126"X54"



3 — FMS 36"X12" / M4-9R 30"X24"



4 — FMS 36"X12" / M4-9L 30"X24"



5 — FMS 36"X12" / M4-9RA 30"X24"



6 — FMS 36"X12" / M4-59L 30"X30"



7 — FMS 36"X12" / M4-59R 30"X30"

TRAFFIC CONTROL SIGNS PCMS MESSAGES					
		PRIOR TO CONSTRUCTION		DURING STEWART AVE CLOSURE	
SITE	PCMS SIGN LOCATION	PHASE 1 (2 SEC)	PHASE 2 (2 SEC)	PHASE 1 (2 SEC)	PHASE 2 (2 SEC)
A	STH 29 EB 0.5 MILES WEST OF S 72ND AVE	STEWART AVE CLOSURE	BEGINS MONTH - DAY	STEWART AVE EAST CLOSED	USE ALT ROUTE
B	USH 51 SB 1.3 MILES NORTH OF STH 52	STEWART AVE CLOSURE	BEGINS MONTH - DAY	STEWART AVE EAST CLOSED	USE ALT ROUTE
C	USH 51 NB 1.8 MILES SOUTH OF STH 52	STEWART AVE CLOSURE	BEGINS MONTH - DAY	STEWART AVE EAST CLOSED	USE ALT ROUTE

PCMS GENERAL NOTES

ADJUST TRAFFIC CONTROL PCMS MESSAGES AS NEEDED BASED ON CONSTRUCTION SCHEDULE. CONFIRM MESSAGES WITH THE ENGINEER BEFORE IMPLEMENTING.

CONSIDER GEOMETRICS WHEN LOCATING MESSAGE BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE SIGN FOR A MINIMUM OF 1000 FEET IN FRONT OF THE MESSAGE BOARD.

MESSAGE SIGNS SHOULD BE PLACED AS FAR AWAY FROM LIVE TRAFFIC LANES AS POSSIBLE WITHOUT HAMPERING VISIBILITY. IN ADVANCE OF INTERSTATE CONSTRUCTION PROJECTS, THE SIGNS SHOULD BE PLACED ON THE BACKSLOPE BEYOND THE DITCH LINE. THE LOCATIONS SELECTED SHOULD BE AT OR SLIGHTLY ABOVE THE ELEVATION OF THE ROADWAY. WHERE SITE CONDITIONS DO NOT ALLOW OTHERWISE, THE SIGNS MAY BE PLACED ON THE SHOULDER.

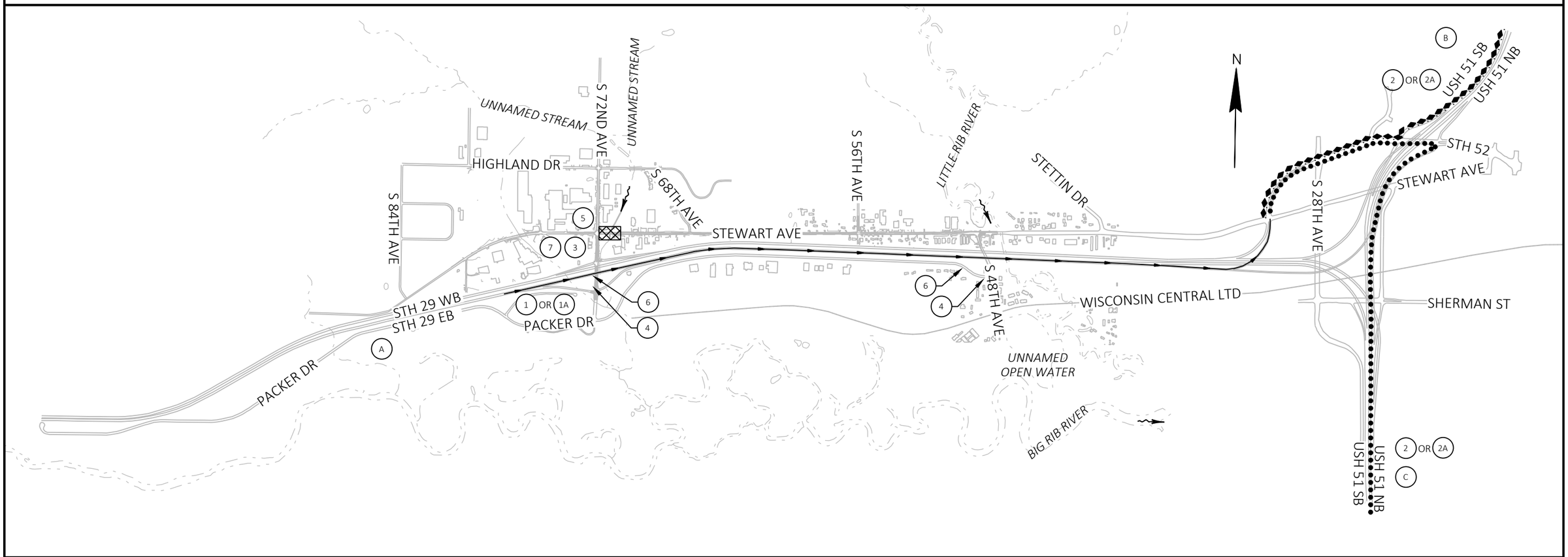
THE SITE SHOULD BE VISITED TO ASSURE VISIBILITY, SAFETY AND MAINTENANCE CONSIDERATIONS.

A TAPER OF FIVE (5) REFLECTORIZED DRUMS SHALL BE PLACED AHEAD OF PCMS PLACED ON THE SHOULDER IF IT IS NOT SHIELDED BY A BARRIER.

HAVE MESSAGE BOARDS IN PLACE AND DISPLAYING THE "PRIOR TO CONSTRUCTION" MESSAGE 7DAYS PRIOR TO EXPECTED START OF SHORT-TERM CLOSURE ON STEWART AVE.

EXAMPLE MESSAGES PROVIDED, ADJUST MESSAGES TO REFLECT CURRENT SITUATION.

PLACE 1A AND 2A SIGNS DURING THE STAGE 3C CLOSURE OF 72ND AVE IN PLACE OF SIGNS 1 AND 2.



PROJECT NO: 6999-09-72	HWY: STEWART AVE	COUNTY: MARATHON	DETOUR ROUTE - STAGE 1, STAGE 3C, AND STAGE 4 CLOSURE	SHEET 195	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 01
PLOT DATE : 10/20/2023 10:02 AM
PLOT BY : DREW NELSON
PLOT NAME :
PLOT SCALE : 1 IN:2000 FT
WISDOT/CADDS SHEET 42

2

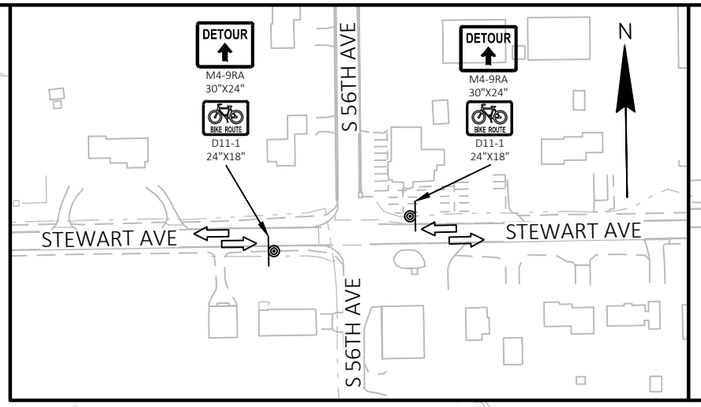
LEGEND

- WAUSAU BIKE ROUTE 10
- BIKE DETOUR ROUTE
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF BIKE TRAFFIC
- ROAD CLOSED - STAGE 1 -SHORT TERM CLOSURE
- TRAFFIC CONTROL COVERING SIGNS TYPE II

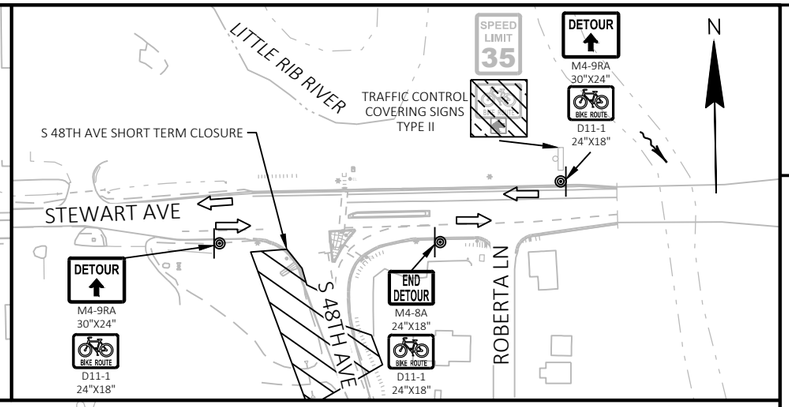
NOTES

INCORPORATE BIKE DETOUR SIGNS ALONG WITH MAINLINE TRAFFIC CONTROL SIGNS

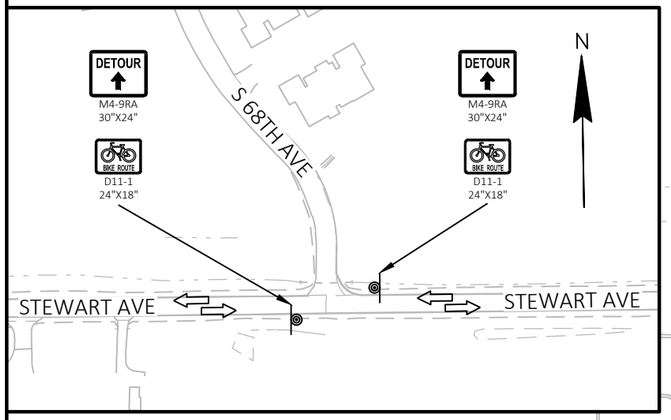
PLACE BIKE DETOUR SIGNS NEXT TO EXISTING BIKE ROUTE SIGNS ALONG PACKER DR



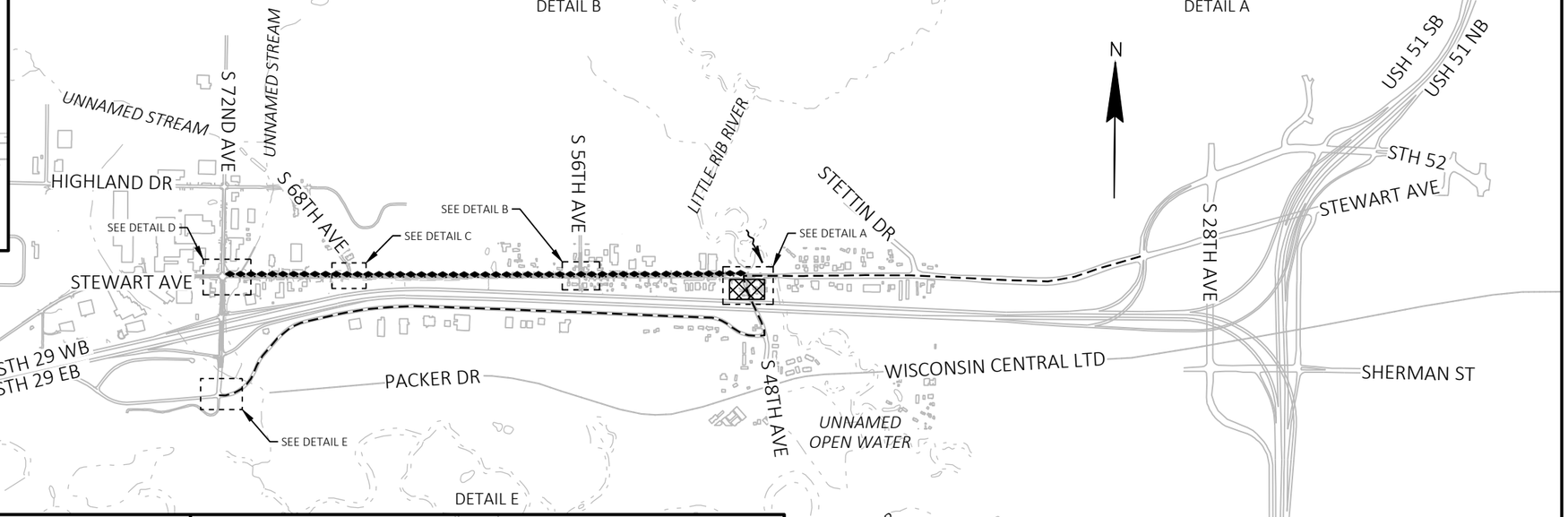
DETAIL B



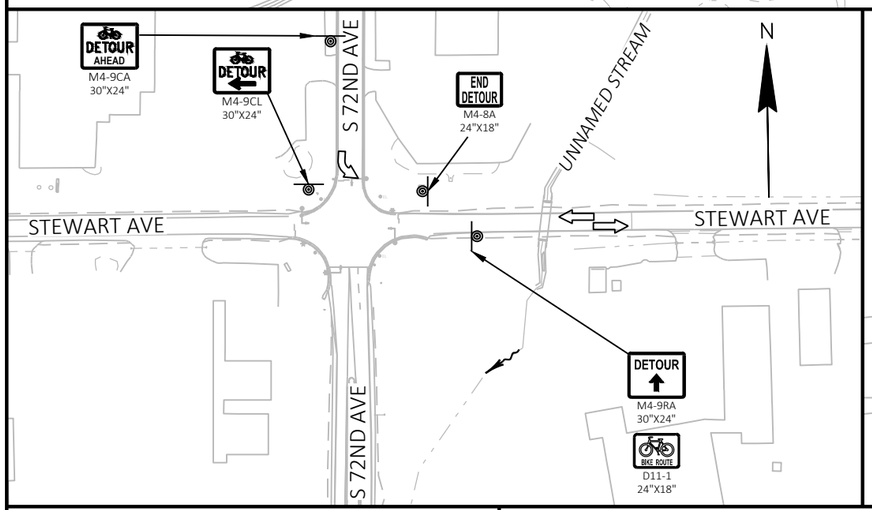
DETAIL A



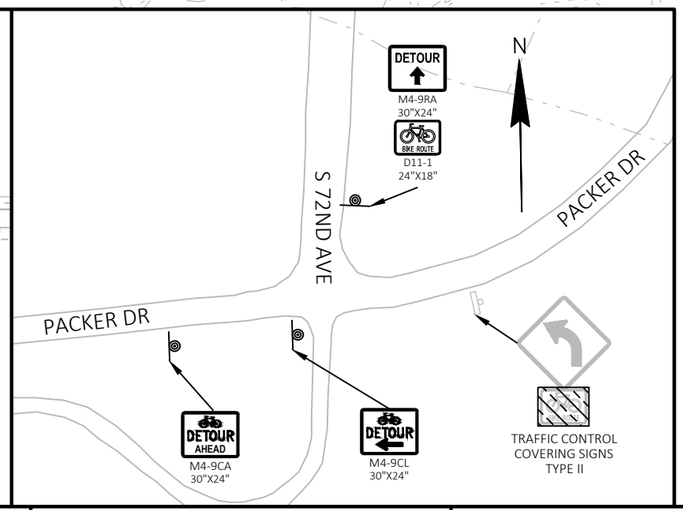
DETAIL C



DETAIL D



DETAIL E



PROJECT NO: 6999-09-72	HWY: STEWART AVE	COUNTY: MARATHON	BIKE DETOUR ROUTE - STAGE 1 - S 48TH AVE CLOSURE	SHEET 196	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\027002-DT.DWG
LAYOUT NAME - 01

PLOT DATE : 8/24/2023 2:52 PM PLOT BY : NICHOLAS WIEDERIN PLOT NAME : PLOT SCALE : 1 IN:2000 FT

WISDOT/CADDS SHEET 42

LEGEND

WAUSAU BIKE ROUTE 10

BIKE DETOUR ROUTE

SIGN ON TEMPORARY SUPPORT

DIRECTION OF BIKE TRAFFIC

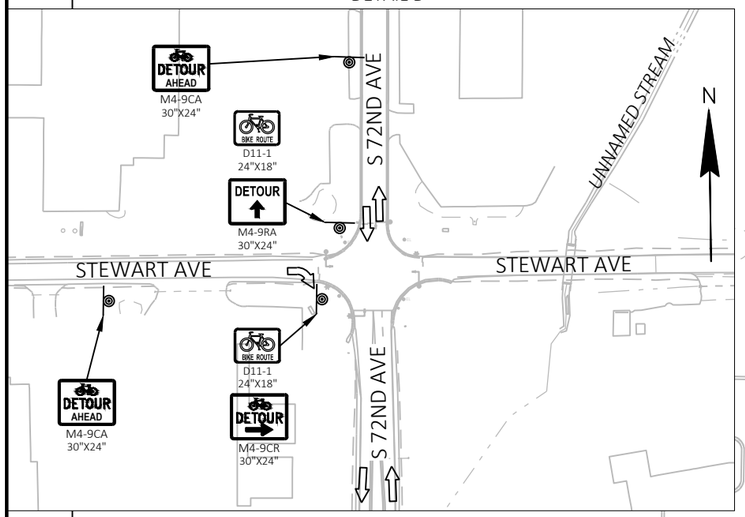
ROAD CLOSED - STEWART AVE

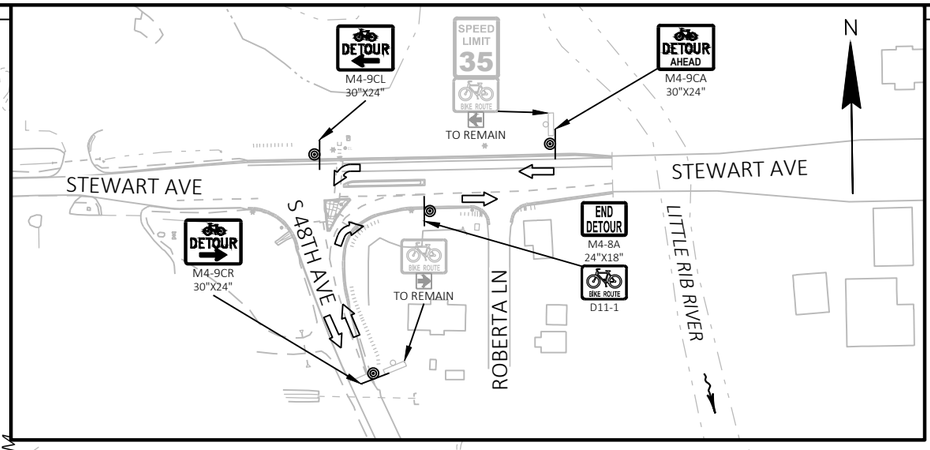
NOTES

INCORPORATE BIKE DETOUR SIGNS ALONG WITH MAINLINE TRAFFIC CONTROL SIGNS

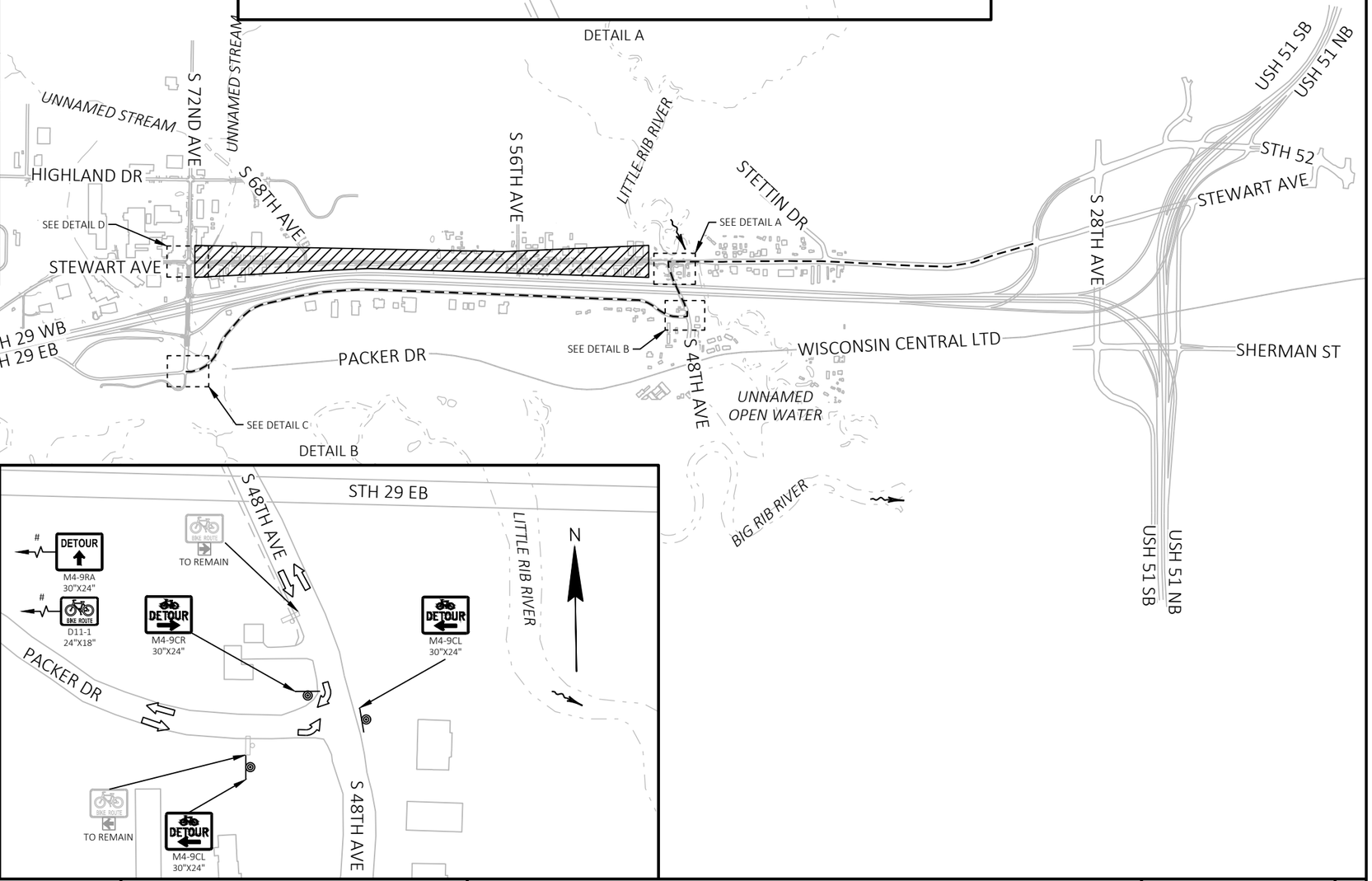
PLACE BIKE DETOUR SIGNS NEXT TO EXISTING BIKE ROUTE SIGNS ALONG PACKER DR

DETAIL D

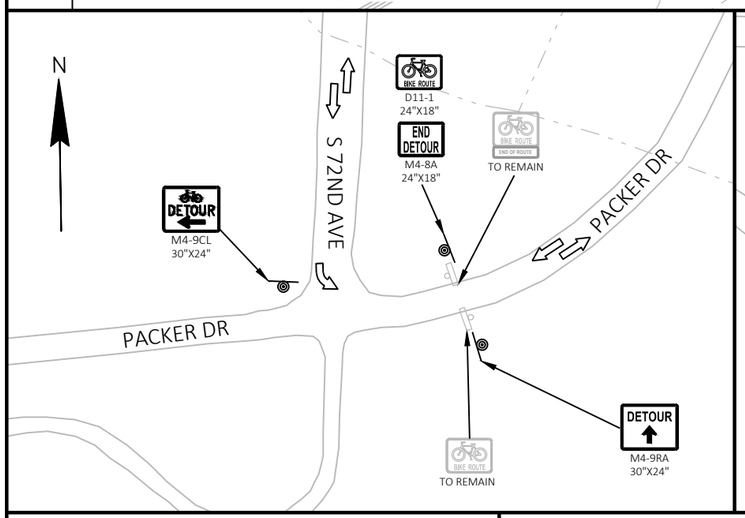




DETAIL A



DETAIL C



DETAIL B

PROJECT NO: 6999-09-72	HWY: STEWART AVE	COUNTY: MARATHON	BIKE ROUTE - STAGES 2 - 5	SHEET 197	E

Estimate Of Quantities

6999-09-72

Line	Item	Item Description	Unit	Total	Qty
0002	201.0205	Grubbing	STA	33.000	33.000
0004	203.0100	Removing Small Pipe Culverts	EACH	22.000	22.000
0006	203.0220	Removing Structure (structure) 01. C-37-90	EACH	1.000	1.000
0008	204.0100	Removing Concrete Pavement	SY	17,105.000	17,105.000
0010	204.0105	Removing Concrete Pavement Butt Joints	SY	34.000	34.000
0012	204.0109.S	Removing Concrete Surface Partial Depth	SF	11,900.000	11,900.000
0014	204.0110	Removing Asphaltic Surface	SY	5,510.000	5,510.000
0016	204.0115	Removing Asphaltic Surface Butt Joints	SY	70.000	70.000
0018	204.0120	Removing Asphaltic Surface Milling	SY	3,040.000	3,040.000
0020	204.0150	Removing Curb & Gutter	LF	1,060.000	1,060.000
0022	204.0155	Removing Concrete Sidewalk	SY	50.000	50.000
0024	204.0165	Removing Guardrail	LF	25.000	25.000
0026	204.0170	Removing Fence	LF	50.000	50.000
0028	204.0195	Removing Concrete Bases	EACH	13.000	13.000
0030	204.0210	Removing Manholes	EACH	1.000	1.000
0032	204.0220	Removing Inlets	EACH	8.000	8.000
0034	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	128.000	128.000
0036	204.0245	Removing Storm Sewer (size) 02. 18-Inch	LF	298.000	298.000
0038	204.0245	Removing Storm Sewer (size) 03. 24-Inch	LF	156.000	156.000
0040	204.0245	Removing Storm Sewer (size) 04. 27-Inch	LF	64.000	64.000
0042	204.0245	Removing Storm Sewer (size) 05. 14x23-Inch	LF	125.000	125.000
0044	204.0280	Sealing Pipes	EACH	1.000	1.000
0046	204.9060.S	Removing (item description) 01. Removing Apron Endwalls	EACH	1.000	1.000
0048	204.9060.S	Removing (item description) 02. Sanitary Manholes	EACH	8.000	8.000
0050	204.9090.S	Removing (item description) 01. Sanitary Sewer 15-Inch	LF	2,425.000	2,425.000
0052	205.0100	Excavation Common	CY	28,619.000	28,619.000
0054	206.2001	Excavation for Structures Culverts (structure) 01. C-37-90	EACH	1.000	1.000
0056	208.0100	Borrow	CY	5,955.000	5,955.000
0058	209.1100	Backfill Granular Grade 1	CY	2,839.000	2,839.000
0060	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 6999-09-72	EACH	1.000	1.000
0062	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	45.000	45.000
0064	211.0500	Prepare Foundation for Base Aggregate	STA	84.000	84.000
0066	213.0100	Finishing Roadway (project) 01. 6999-09-72	EACH	1.000	1.000
0068	305.0110	Base Aggregate Dense 3/4-Inch	TON	740.000	740.000
0070	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	36,335.000	36,335.000
0072	310.0110	Base Aggregate Open-Graded	TON	300.000	300.000
0074	415.0060	Concrete Pavement 6-Inch	SY	175.000	175.000
0076	450.4000	HMA Cold Weather Paving	TON	3,432.000	3,432.000
0078	455.0605	Tack Coat	GAL	1,770.000	1,770.000
0080	460.2000	Incentive Density HMA Pavement	DOL	6,920.000	6,920.000
0082	460.5223	HMA Pavement 3 LT 58-28 S	TON	5,950.000	5,950.000
0084	460.5224	HMA Pavement 4 LT 58-28 S	TON	4,850.000	4,850.000
0086	465.0105	Asphaltic Surface	TON	125.000	125.000
0088	465.0110	Asphaltic Surface Patching	TON	185.000	185.000
0090	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	590.000	590.000
0092	465.0125	Asphaltic Surface Temporary	TON	1,870.000	1,870.000
0094	465.0310	Asphaltic Curb	LF	770.000	770.000
0096	465.0315	Asphaltic Flumes	SY	24.000	24.000
0098	520.2048	Culvert Pipe Temporary 48-Inch	LF	180.000	180.000
0100	520.8000	Concrete Collars for Pipe	EACH	6.000	6.000

6999-09-72

Line	Item	Item Description	Unit	Total	Qty
0102	522.0412	Culvert Pipe Reinforced Concrete Class IV 12-Inch	LF	64.000	64.000
0104	522.0418	Culvert Pipe Reinforced Concrete Class IV 18-Inch	LF	238.000	238.000
0106	522.0424	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	152.000	152.000
0108	522.0436	Culvert Pipe Reinforced Concrete Class IV 36-Inch	LF	48.000	48.000
0110	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	12.000	12.000
0112	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	13.000	13.000
0114	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	9.000	9.000
0116	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	3.000	3.000
0118	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	3.000	3.000
0120	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	130.000	130.000
0122	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	9,600.000	9,600.000
0124	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	215.000	215.000
0126	602.0415	Concrete Sidewalk 6-Inch	SF	2,870.000	2,870.000
0128	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	100.000	100.000
0130	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	222.000	222.000
0132	602.0860	Concrete Driveway HES 6-Inch	SY	565.000	565.000
0134	602.0870	Concrete Driveway HES 8-Inch	SY	220.000	220.000
0136	603.8000	Concrete Barrier Temporary Precast Delivered	LF	560.000	560.000
0138	603.8125	Concrete Barrier Temporary Precast Installed	LF	560.000	560.000
0140	606.0200	Riprap Medium	CY	140.000	140.000
0142	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	470.000	470.000
0144	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	85.000	85.000
0146	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	776.000	776.000
0148	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	151.000	151.000
0150	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	1,161.000	1,161.000
0152	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	362.000	362.000
0154	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	602.000	602.000
0156	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	1,420.000	1,420.000
0158	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	759.000	759.000
0160	608.0436	Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	LF	561.000	561.000
0162	611.0530	Manhole Covers Type J	EACH	18.000	18.000
0164	611.0624	Inlet Covers Type H	EACH	48.000	48.000
0166	611.0645	Inlet Covers Type MS-A	EACH	18.000	18.000
0168	611.1004	Catch Basins 4-FT Diameter	EACH	11.000	11.000
0170	611.1005	Catch Basins 5-FT Diameter	EACH	7.000	7.000
0172	611.1006	Catch Basins 6-FT Diameter	EACH	1.000	1.000
0174	611.1230	Catch Basins 2x3-FT	EACH	33.000	33.000
0176	611.2004	Manholes 4-FT Diameter	EACH	4.000	4.000
0178	611.2005	Manholes 5-FT Diameter	EACH	11.000	11.000
0180	611.2006	Manholes 6-FT Diameter	EACH	2.000	2.000
0182	611.3901	Inlets Median 1 Grate	EACH	12.000	12.000
0184	611.3902	Inlets Median 2 Grate	EACH	3.000	3.000
0186	611.8110	Adjusting Manhole Covers	EACH	2.000	2.000
0188	611.8120.S	Cover Plates Temporary	EACH	35.000	35.000
0190	611.9710	Salvaged Inlet Covers	EACH	1.000	1.000
0192	612.0106	Pipe Underdrain 6-Inch	LF	1,520.000	1,520.000
0194	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	90.000	90.000
0196	612.0902.S	Insulation Board Polystyrene (inch) 01. 4-Inch	SY	285.000	285.000
0198	614.0905	Crash Cushions Temporary	EACH	4.000	4.000
0200	616.0406	Fence Chain Link Salvaged 6-FT	LF	95.000	95.000

Estimate Of Quantities

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Line	Item	Item Description	Unit	Total	Qty
0202	619.1000	Mobilization	EACH	1.000	1.000
0204	624.0100	Water	MGAL	920.000	920.000
0206	625.0100	Topsoil	SY	50,710.000	50,710.000
0208	627.0200	Mulching	SY	21,030.000	21,030.000
0210	628.1504	Silt Fence	LF	8,465.000	8,465.000
0212	628.1520	Silt Fence Maintenance	LF	8,465.000	8,465.000
0214	628.1905	Mobilizations Erosion Control	EACH	15.000	15.000
0216	628.1910	Mobilizations Emergency Erosion Control	EACH	5.000	5.000
0218	628.2004	Erosion Mat Class I Type B	SY	4,230.000	4,230.000
0220	628.2008	Erosion Mat Urban Class I Type B	SY	9,880.000	9,880.000
0222	628.2027	Erosion Mat Class II Type C	SY	15,570.000	15,570.000
0224	628.7005	Inlet Protection Type A	EACH	85.000	85.000
0226	628.7010	Inlet Protection Type B	EACH	18.000	18.000
0228	628.7015	Inlet Protection Type C	EACH	56.000	56.000
0230	628.7020	Inlet Protection Type D	EACH	16.000	16.000
0232	628.7504	Temporary Ditch Checks	LF	1,360.000	1,360.000
0234	628.7555	Culvert Pipe Checks	EACH	120.000	120.000
0236	628.7570	Rock Bags	EACH	300.000	300.000
0238	629.0210	Fertilizer Type B	CWT	15.000	15.000
0240	630.0120	Seeding Mixture No. 20	LB	660.000	660.000
0242	630.0140	Seeding Mixture No. 40	LB	440.000	440.000
0244	630.0500	Seed Water	MGAL	1,096.000	1,096.000
0246	634.0810	Posts Tubular Steel 2x2-Inch X 10-FT	EACH	11.000	11.000
0248	634.0812	Posts Tubular Steel 2x2-Inch X 12-FT	EACH	20.000	20.000
0250	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	4.000	4.000
0252	637.2210	Signs Type II Reflective H	SF	115.360	115.360
0254	637.2215	Signs Type II Reflective H Folding	SF	20.720	20.720
0256	637.2230	Signs Type II Reflective F	SF	92.120	92.120
0258	638.2102	Moving Signs Type II	EACH	7.000	7.000
0260	638.2602	Removing Signs Type II	EACH	27.000	27.000
0262	638.3000	Removing Small Sign Supports	EACH	28.000	28.000
0264	638.4000	Moving Small Sign Supports	EACH	4.000	4.000
0266	642.5001	Field Office Type B	EACH	1.000	1.000
0268	643.0300	Traffic Control Drums	DAY	26,259.000	26,259.000
0270	643.0420	Traffic Control Barricades Type III	DAY	2,483.000	2,483.000
0272	643.0705	Traffic Control Warning Lights Type A	DAY	4,227.000	4,227.000
0274	643.0715	Traffic Control Warning Lights Type C	DAY	1,980.000	1,980.000
0276	643.0800	Traffic Control Arrow Boards	DAY	40.000	40.000
0278	643.0900	Traffic Control Signs	DAY	23,077.000	23,077.000
0280	643.0920	Traffic Control Covering Signs Type II	EACH	37.000	37.000
0282	643.1000	Traffic Control Signs Fixed Message	SF	456.750	456.750
0284	643.1050	Traffic Control Signs PCMS	DAY	196.000	196.000
0286	643.3105	Temporary Marking Line Paint 4-Inch	LF	30,050.000	30,050.000
0288	643.3150	Temporary Marking Line Removable Tape 4-Inch	LF	16,300.000	16,300.000
0290	643.3305	Temporary Marking Crosswalk Paint 6-inch	LF	76.000	76.000
0292	643.3850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	145.000	145.000
0294	643.3950	Temporary Marking Diagonal Removable Tape 12-Inch	LF	100.000	100.000
0296	643.5000	Traffic Control	EACH	1.000	1.000
0298	644.1440	Temporary Pedestrian Surface Matting	SF	155.000	155.000
0300	644.1601	Temporary Pedestrian Curb Ramp	DAY	20.000	20.000

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Line	Item	Item Description	Unit	Total	Qty
0302	644.1605	Temporary Pedestrian Detectable Warning Field	SF	20.000	20.000
0304	644.1810	Temporary Pedestrian Barricade	LF	280.000	280.000
0306	645.0111	Geotextile Type DF Schedule A	SY	1,350.000	1,350.000
0308	645.0120	Geotextile Type HR	SY	395.000	395.000
0310	646.1020	Marking Line Epoxy 4-Inch	LF	29,148.000	29,148.000
0312	646.3020	Marking Line Epoxy 8-Inch	LF	750.000	750.000
0314	646.4520	Marking Line Same Day Epoxy 4-Inch	LF	3,112.000	3,112.000
0316	646.5020	Marking Arrow Epoxy	EACH	53.000	53.000
0318	646.5120	Marking Word Epoxy	EACH	4.000	4.000
0320	646.5220	Marking Symbol Epoxy	EACH	31.000	31.000
0322	646.6120	Marking Stop Line Epoxy 18-Inch	LF	140.000	140.000
0324	646.6464	Cold Weather Marking Epoxy 4-Inch	LF	22,018.000	22,018.000
0326	646.6468	Cold Weather Marking Epoxy 8-Inch	LF	109.000	109.000
0328	646.7120	Marking Diagonal Epoxy 12-Inch	LF	218.000	218.000
0330	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	690.000	690.000
0332	646.8320	Marking Parking Stall Epoxy	LF	400.000	400.000
0334	646.9000	Marking Removal Line 4-Inch	LF	12,838.000	12,838.000
0336	646.9100	Marking Removal Line 8-Inch	LF	195.000	195.000
0338	646.9110	Marking Removal Line Water Blasting 8-Inch	LF	385.000	385.000
0340	646.9200	Marking Removal Line Wide	LF	192.000	192.000
0342	646.9300	Marking Removal Special Marking	EACH	6.000	6.000
0344	646.9310	Marking Removal Special Marking Water Blasting	EACH	3.000	3.000
0346	648.0100	Locating No-Passing Zones	MI	1.480	1.480
0348	650.4000	Construction Staking Storm Sewer	EACH	96.000	96.000
0350	650.4500	Construction Staking Subgrade	LF	10,769.000	10,769.000
0352	650.5000	Construction Staking Base	LF	10,769.000	10,769.000
0354	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	11,545.000	11,545.000
0356	650.6501	Construction Staking Structure Layout (structure) 01. C-37-90	EACH	1.000	1.000
0358	650.8501	Construction Staking Electrical Installations (project) 01. 6999-09-72	EACH	1.000	1.000
0360	650.9000	Construction Staking Curb Ramps	EACH	11.000	11.000
0362	650.9500	Construction Staking Sidewalk (project) 01. 6999-09-72	EACH	1.000	1.000
0364	650.9911	Construction Staking Supplemental Control (project) 01. 6999-09-72	EACH	1.000	1.000
0366	650.9920	Construction Staking Slope Stakes	LF	8,955.000	8,955.000
0368	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	1,152.000	1,152.000
0370	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	742.000	742.000
0372	652.0615	Conduit Special 3-Inch	LF	520.000	520.000
0374	652.0700.S	Install Conduit into Existing Item	EACH	1.000	1.000
0376	652.0800	Conduit Loop Detector	LF	1,174.000	1,174.000
0378	653.0135	Pull Boxes Steel 24x36-Inch	EACH	8.000	8.000
0380	653.0140	Pull Boxes Steel 24x42-Inch	EACH	11.000	11.000
0382	653.0905	Removing Pull Boxes	EACH	5.000	5.000
0384	654.0101	Concrete Bases Type 1	EACH	1.000	1.000
0386	654.0102	Concrete Bases Type 2	EACH	8.000	8.000
0388	654.0107	Concrete Bases Type 7	EACH	1.000	1.000
0390	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	1.000	1.000
0392	655.0260	Cable Traffic Signal 12-14 AWG	LF	2,255.000	2,255.000
0394	655.0270	Cable Traffic Signal 15-14 AWG	LF	249.000	249.000
0396	655.0320	Cable Type UF 2-10 AWG Grounded	LF	404.000	404.000
0398	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	1,839.000	1,839.000
0400	655.0610	Electrical Wire Lighting 12 AWG	LF	680.000	680.000

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Line	Item	Item Description	Unit	Total	Qty
0402	655.0615	Electrical Wire Lighting 10 AWG	LF	150.000	150.000
0404	655.0630	Electrical Wire Lighting 4 AWG	LF	450.000	450.000
0406	655.0700	Loop Detector Lead In Cable	LF	3,957.000	3,957.000
0408	655.0800	Loop Detector Wire	LF	3,712.000	3,712.000
0410	655.0900	Traffic Signal EVP Detector Cable	LF	79.000	79.000
0412	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. Stewart Avenue & S 72nd Avenue	EACH	1.000	1.000
0414	657.0100	Pedestal Bases	EACH	1.000	1.000
0416	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	8.000	8.000
0418	657.0305	Poles Type 2	EACH	6.000	6.000
0420	657.0315	Poles Type 4	EACH	2.000	2.000
0422	657.0430	Traffic Signal Standards Aluminum 10-FT	EACH	1.000	1.000
0424	657.0595	Trombone Arms 25-FT	EACH	4.000	4.000
0426	657.0709	Luminaire Arms Truss Type 4-Inch Clamp 12-FT	EACH	2.000	2.000
0428	658.0173	Traffic Signal Face 3S 12-Inch	EACH	7.000	7.000
0430	658.0175	Traffic Signal Face 5S 12-Inch	EACH	5.000	5.000
0432	658.0416	Pedestrian Signal Face 16-Inch	EACH	4.000	4.000
0434	658.0500	Pedestrian Push Buttons	EACH	4.000	4.000
0436	658.5070	Signal Mounting Hardware (location) 01. Stewart Avenue & S 72nd Avenue	EACH	1.000	1.000
0438	659.1115	Luminaires Utility LED A	EACH	2.000	2.000
0440	690.0150	Sawing Asphalt	LF	7,430.000	7,430.000
0442	690.0250	Sawing Concrete	LF	3,300.000	3,300.000
0444	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	500.000	500.000
0446	740.0440	Incentive IRI Ride	DOL	6,544.700	6,544.700
0448	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,400.000	2,400.000
0450	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	2,760.000	2,760.000
0452	SPV.0030	Special 01. Fertilizer for Lawn Type Turf	CWT	15.000	15.000
0454	SPV.0035	Special 01. Utility Trench Rock Excavation	CY	40.000	40.000
0456	SPV.0035	Special 02. Abandoning Sanitary Sewer	CY	29.000	29.000
0458	SPV.0060	Special 01. Research and Locate Existing Land Parcel Monuments	EACH	97.000	97.000
0460	SPV.0060	Special 02. Verify and Replace Existing Land Parcel Monuments	EACH	97.000	97.000
0462	SPV.0060	Special 03. Inlet Covers Type H-D	EACH	2.000	2.000
0464	SPV.0060	Special 04. Remove and Reinstall Street Lighting Assembly	EACH	1.000	1.000
0466	SPV.0060	Special 05. Salvage Traffic Signal and Lighting System (Stewart Avenue & S 72nd Avenue)	EACH	1.000	1.000
0468	SPV.0060	Special 06. Transport and Install City Furnished EVP (Stewart Avenue & S 72nd Avenue)	EACH	1.000	1.000
0470	SPV.0060	Special 07. Temporary Water Service	EACH	1.000	1.000
0472	SPV.0060	Special 08. Abandoning Sanitary Structure	EACH	6.000	6.000
0474	SPV.0060	Special 09. Connecting Sanitary Sewer	EACH	6.000	6.000
0476	SPV.0060	Special 10. Manholes Sanitary 5-FT Diameter	EACH	14.000	14.000
0478	SPV.0060	Special 11. Manholes Sanitary 6-FT Diameter	EACH	3.000	3.000
0480	SPV.0060	Special 12. Sanitary Manhole Covers Type J-Special	EACH	23.000	23.000
0482	SPV.0060	Special 13. Sanitary Sewer PVC Wyes	EACH	23.000	23.000
0484	SPV.0060	Special 14. Sanitary Sewer Force Main Cleanout	EACH	1.000	1.000
0486	SPV.0060	Special 15. Connecting Water Main	EACH	14.000	14.000
0488	SPV.0060	Special 16. 10x10x10-Inch Tee	EACH	1.000	1.000
0490	SPV.0060	Special 17. 12x12x8-Inch Tee	EACH	3.000	3.000
0492	SPV.0060	Special 18. 14x14x8-Inch Tee	EACH	6.000	6.000
0494	SPV.0060	Special 19. 14x14x12-Inch Tee	EACH	1.000	1.000
0496	SPV.0060	Special 20. 12-Inch 11.25 Degree Bend	EACH	4.000	4.000

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Line	Item	Item Description	Unit	Total	Qty
0498	SPV.0060	Special 21. 12-Inch 45 Degree Bend	EACH	4.000	4.000
0500	SPV.0060	Special 22. 8x6-Inch Reducer	EACH	8.000	8.000
0502	SPV.0060	Special 23. 12x10-Inch Reducer	EACH	1.000	1.000
0504	SPV.0060	Special 24. 8-Inch Valve & Valve Box	EACH	9.000	9.000
0506	SPV.0060	Special 25. 12-Inch Valve & Valve Box	EACH	6.000	6.000
0508	SPV.0060	Special 26. 14-Inch Valve & Valve Box	EACH	6.000	6.000
0510	SPV.0060	Special 27. Standard Hydrant	EACH	9.000	9.000
0512	SPV.0060	Special 28. Adjusting Hydrants	EACH	6.000	6.000
0514	SPV.0060	Special 29. Air Release Valve Vault	EACH	1.000	1.000
0516	SPV.0060	Special 30. Adjusting Valve Box	EACH	18.000	18.000
0518	SPV.0060	Special 31.Pipe Bollard	EACH	2.000	2.000
0520	SPV.0060	Special 32. Salvaging Hydrant	EACH	1.000	1.000
0522	SPV.0060	Special 33. Traffic Signal Controller and Cabinet, Fully Actuated 8-Phase	EACH	1.000	1.000
0524	SPV.0060	Special 34. Manholes Sanitary 4-FT Diameter	EACH	6.000	6.000
0526	SPV.0060	Special 35. 14-Inch 45 Degree Bend	EACH	4.000	4.000
0528	SPV.0060	Special 36. Adjusting Curb Stop	EACH	17.000	17.000
0530	SPV.0090	Special 01. Bore and Jack Steel Casing Pipe 24-Inch	LF	38.000	38.000
0532	SPV.0090	Special 02. Concrete Curb & Gutter HES 30-Inch Type D	LF	1,240.000	1,240.000
0534	SPV.0090	Special 03. Concrete Curb & Gutter 12 1/2-Inch Sloped HES 30-Inch Type D	LF	360.000	360.000
0536	SPV.0090	Special 04. Precast Concrete Box Culvert 10 FT X 8 FT Extension	LF	30.000	30.000
0538	SPV.0090	Special 05. Sanitary Sewer 8-Inch	LF	1,522.000	1,522.000
0540	SPV.0090	Special 06. Sanitary Sewer 15-Inch	LF	346.000	346.000
0542	SPV.0090	Special 07. Sanitary Sewer 21-Inch	LF	4,985.000	4,985.000
0544	SPV.0090	Special 08. Sanitary Sewer Force Main 12-Inch	LF	2,560.000	2,560.000
0546	SPV.0090	Special 09. Sanitary Sewer 15-Inch in Casing	LF	38.000	38.000
0548	SPV.0090	Special 10. Sanitary Sewer Laterals	LF	1,106.000	1,106.000
0550	SPV.0090	Special 11. 8-Inch DI Water Main	LF	199.000	199.000
0552	SPV.0090	Special 12. 12-Inch DI Water Main	LF	2,053.000	2,053.000
0554	SPV.0090	Special 13. Water Laterals	LF	1,286.000	1,286.000
0556	SPV.0090	Special 14. 14-Inch DI Water Main	LF	78.000	78.000
0558	SPV.0180	Special 01. Preparing Topsoil for Lawn Type Turf	SY	24,350.000	24,350.000

GRUBBING

CATEGORY	STATION TO STATION			OFFSET	201.0205 GRUBBING STA
0010					
	17+00	-	24+00	RT	7
	113+00	-	118+00	LT	5
	141+00	-	144+00	LT	3
	144+00	-	148+00	RT	4
	149+00	-	151+00	LT	2
	161+00	-	163+00	RT	2
	164+00	-	168+00	RT	4
	165+00	-	170+00	LT	5
	78+00	-	79+00	LT	1
CATEGORY 0010 TOTAL					33

REMOVAL ITEMS

CATEGORY	STAGE	STATION TO STATION			OFFSET	204.0100 REMOVING CONCRETE PAVEMENT SY	204.0105 REMOVING CONCRETE PAVEMENT BUTT JOINTS SY	204.0109.S REMOVING CONCRETE SURFACE PARTIAL DEPTH SF	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	204.0150 REMOVING CURB & GUTTER LF	204.0155 REMOVING CONCRETE SIDEWALK SY	204.0165 REMOVING GUARDRAIL LF	204.0170 REMOVING FENCE LF	COMMENTS
0010	1															
		18+11	-	23+61	LT & RT	--	--	--	--	--	--	154	--	--	--	S 72ND AVE
		77+80	-	79+80	LT & RT	--	--	--	--	--	--	91	20	--	--	S 48TH AVE
SUBTOTALS STAGE 1						--	--	--	--	--	--	245	20	--	--	
	2															
		96+75	-	99+30	RT	--	--	--	75	--	--	--	--	--	--	
		150+25	-	176+55	LT & RT	5,792	--	--	--	--	--	109	30	--	50	
		17+90	-	21+25	LT & RT	168	--	--	77	--	--	185	--	--	--	S 72ND AVE
		60+50	-	61+00	LT & RT	--	--	--	--	--	--	87	--	--	--	S 56TH AVE
SUBTOTALS STAGE 2						5,960	--	--	152	--	--	381	30	--	50	
	3															
		100+42	-	150+25	LT & RT	11,130	--	--	--	--	--	--	--	25	--	
		17+90	-	18+85	RT	--	--	--	198	--	--	110	--	--	--	S 72ND AVE
SUBTOTALS STAGE 3						11,130	--	--	198	--	--	110	--	25	--	
	4															
		100+42	-	118+80	LT	--	--	--	5,063	--	--	--	--	--	--	
		18+11	-	23+61	LT & RT	15	--	--	97	--	--	324	--	--	--	S 72ND AVE
SUBTOTALS STAGE 4						15	--	--	5,160	--	--	324	--	--	--	
	5															
		14+60	-	23+61	LT & RT	--	34	11,900	--	70	3,040	--	--	--	--	S 72ND AVE
SUBTOTALS STAGE 5						--	34	11,900	--	70	3,040	--	--	--	--	
CATEGORY 0010 TOTALS						17,105	34	11,900	5,510	70	3,040	1,060	50	25	50	

REMOVE CONCRETE BASES

CATEGORY	STAGE	STATION	OFFSET	204.0195 REMOVING CONCRETE BASES EACH	COMMENT
0010	1				
		101+50	LT	1	CB1
		100+80	LT	1	SB1
		100+50	LT	1	SB8
		100+64	LT	1	MUNICIPALITY SIGN
		176+35	RT	1	LB50
SUBTOTAL STAGE 1				5	
	2				
		99+18	RT	1	PRIVATE SIGN
		99+59	LT	1	PRIVATE SIGN
		99+63	LT	1	SB6
		99+63	RT	1	SB5
		99+93	RT	1	SB4
		100+00	LT	1	SB7
SUBTOTAL STAGE 2				6	
	3				
		100+84	RT	1	SB2
		100+56	RT	1	SB3
SUBTOTAL STAGE 3				2	
CATEGORY 0010 TOTAL				13	

REMOVE AND REINSTALL STREET LIGHTING ASSEMBLY

CATEGORY	STAGE	SIGNAL BASE NO.	SPV.0060.04 REMOVE AND REINSTALL STREET LIGHTING ASSEMBLY EACH
0010			
	1		
		LB50	1
SUBTOTAL STAGE 1			1
CATEGORY 0010 TOTALS			1

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REMOVING DRAINAGE ITEMS

CATEGORY	STAGE	STATION	TO	STATION	OFFSET	203.0100 REMOVING SMALL PIPE CULVERTS EACH	203.0220.01 REMOVING STRUCTURE (C-37-90) EACH	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER (SIZE) 12-INCH LF	204.0245.02 REMOVING STORM SEWER (SIZE) 18-INCH LF	204.0245.03 REMOVING STORM SEWER (SIZE) 24-INCH LF	204.0245.04 REMOVING STORM SEWER (SIZE) 27-INCH LF	204.0245.05 REMOVING STORM SEWER (SIZE) 14x23-INCH LF	204.0280 SEALING PIPES EACH	204.9060.S.01 REMOVING APRON ENDWALLS EACH	COMMENTS
0010	1																
		101+78	-	102+83	LT	--	--	--	--	--	--	106	--	--	--	--	
		19+36			RT	--	--	--	1	--	--	50	--	--	--	--	S 72ND AVE
		40+33	-	40+61	LT & RT	--	--	1	--	--	28	--	64	--	--	--	S 68TH AVE
		78+05			LT	1	--	--	--	--	--	--	--	--	--	--	S 48TH AVE
SUBTOTALS STAGE 1						1	--	1	1	--	28	156	64	--	--	--	
	2																
		102+83			LT	--	1	--	--	--	--	--	--	--	--	--	
		150+63			LT	1	--	--	--	--	--	--	--	--	--	--	
		151+23			RT	1	--	--	--	--	--	--	--	--	--	--	
		156+05			LT	1	--	--	--	--	--	--	--	--	--	--	
		159+93			LT	1	--	--	--	--	--	--	--	--	--	--	
		166+31			LT	1	--	--	--	--	--	--	--	--	--	--	
		166+33			RT	1	--	--	--	--	--	--	--	--	--	--	
		169+71	-	170+83	LT	--	--	--	--	--	--	--	--	--	1	--	
		172+94	-	174+05	RT	--	--	--	--	--	--	--	--	125	--	--	
		174+05			LT	1	--	--	--	--	--	--	--	--	--	--	
		174+19			RT	--	--	--	1	--	59	--	--	--	--	--	
		175+95			LT	--	--	--	--	--	--	--	--	--	--	1	
		19+36			LT	--	--	--	1	--	21	--	--	--	--	--	S 72ND AVE
		19+42			LT	--	--	--	1	--	--	--	--	--	--	--	S 72ND AVE
		60+43			LT	--	--	--	1	70	--	--	--	--	--	--	S 56TH AVE
		60+57			LT & RT	--	--	--	2	54	--	--	--	--	--	--	S 56TH AVE
SUBTOTALS STAGE 2						7	1	--	6	124	80	--	--	125	1	1	
	3																
		104+80			RT	1	--	--	--	--	--	--	--	--	--	--	
		106+94			RT	1	--	--	--	--	--	--	--	--	--	--	
		107+35			LT	1	--	--	--	--	--	--	--	--	--	--	
		107+77	-	109+66	RT	--	--	--	--	--	190	--	--	--	--	--	
		108+43			LT	1	--	--	--	--	--	--	--	--	--	--	
		110+33			LT	1	--	--	--	--	--	--	--	--	--	--	
		112+24			LT	1	--	--	--	--	--	--	--	--	--	--	
		112+27			RT	1	--	--	--	--	--	--	--	--	--	--	
		112+94			RT	1	--	--	--	--	--	--	--	--	--	--	
		116+23			RT	1	--	--	--	--	--	--	--	--	--	--	
		118+07			RT	1	--	--	--	--	--	--	--	--	--	--	
		139+44			LT & RT	1	--	--	--	--	--	--	--	--	--	--	
		141+96			RT	1	--	--	--	--	--	--	--	--	--	--	
		142+01			LT	1	--	--	--	--	--	--	--	--	--	--	
		149+18			LT	1	--	--	--	--	--	--	--	--	--	--	
SUBTOTALS STAGE 3						14	--	--	--	--	190	--	--	--	--	--	
	4																
		21+18			RT	--	--	--	1	4	--	--	--	--	--	--	S 72ND AVE
SUBTOTALS STAGE 4						--	--	--	1	4	--	--	--	--	--	--	
CATEGORY 0010 TOTALS						22	1	1	8	128	298	156	64	125	1	1	

3

EARTHWORK SUMMARY

DIVISION	STATION TO STATION	LOCATION	205.0100 EXCAVATION COMMON (CY) (NOTE 1)	SALVAGED/ UNUSABLE PAVEMENT MATERIAL (CY) (NOTE 2)	AVAILABLE MATERIAL (NOTE 3)	209.1100 BACKFILL GRANULAR GRADE 1 (NOTE 4) FACTOR 1.25 (CY)	UNEXPANDED FILL (CY)	EXPANDED FILL (NOTE 5) FACTOR 1.25 (CY)	MASS ORDINATE +/- (NOTE 6)	208.0100 BORROW (CY)
1										
	40+16 - 41+00	S 68TH AVENUE, LT&RT	189	50	139	--	87	109	30	--
	77+50 - 79+77	S 48TH AVENUE	670	64	606	--	33	41	565	--
	100+46 - 101+31	STEWART AVENUE - TEMPORARY WIDENING, LT	104	22	82	--	25	31	51	--
SUBTOTALS			963	136	827	--	145	181	646	--
2										
	17+65 - 18+87	S 72ND AVENUE, LT	62	15	47	--	59	74	-27	--
	19+08 - 20+16	S 72ND AVENUE, LT	117	12	105	--	128	161	-56	--
SUBTOTALS			179	27	152	--	187	235	-83	83
3										
	60+17 - 61+00	S 56TH AVENUE, LT&RT	264	96	168	--	2	2	166	--
	98+35 - 99+35	STEWART AVENUE, RT	79	10	69	--	6	7	62	--
	150+25 - 176+55	STEWART AVENUE, RT	5,416	957	4,459	--	587	734	3,725	--
SUBTOTALS			5,759	1,063	4,696	--	595	743	3,953	--
4										
	58+80 - 59+84	S 56TH AVENUE, LT&RT	173	62	111	--	48	60	51	--
	98+35 - 99+35	STEWART AVENUE, LT	56	8	48	--	34	42	6	--
	152+42 - 176+55	STEWART AVENUE, LT	7,992	2,160	5,832	--	858	1,073	4,759	--
SUBTOTALS			8,221	2,230	5,991	--	940	1,175	4,816	--
5										
	101+31 - 118+60	STEWART AVENUE, LT - TEMPORARY WIDENING	2,536	84	2,452	--	1,235	1,543	909	--
SUBTOTALS			2,536	84	2,452	--	1,235	1,543	909	--
6										
	17+57 - 18+80	S 72ND AVENUE, RT	194	15	179	--	21	26	153	--
	100+42 - 119+50	STEWART AVENUE, RT	3,409	615	2,794	110	683	854	1,940	--
	119+50 - 152+42	STEWART AVENUE, LT	3,162	2,539	623	1,712	4,153	5,192	-4,569	--
	119+50 - 150+25	STEWART AVENUE, RT	1,969	1,188	781	889	3,342	4,177	-3,396	--
SUBTOTALS			8,734	4,357	4,377	2,711	8,199	10,249	-5,872	5,872
7										
	19+17 - 23+61	S 72ND AVENUE, RT	410	22	388	--	6	8	380	--
	100+42 - 119+50	STEWART AVENUE, LT	1,817	515	1,302	128	584	729	573	--
SUBTOTALS			2,227	537	1,690	128	590	737	953	--
CATEGORY 0010 TOTALS			28,619	8,434	20,185	2,839	11,891	14,863	5,322	5,955

NOTES:
1) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS THE EXISTING CONCRETE AND ASPHALT PAVEMENT VOLUME, NOT AVAILABLE FOR FILL (MATERIAL TO BE WASTED)
3) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) BACKFILL GRANULAR GRADE 1 = (UNADJUSTED BACKFILL) * (FILL FACTOR)
5) EXPANDED FILL = (UNEXPANDED FILL) * (FILL FACTOR)
6) MASS ORDINATE = AVAILABLE MATERIAL - (EXPANDED FILL); POSITIVE INDICATES AN EXCESS OF MATERIAL

3

BASE AGGREGATE ITEMS

CATEGORY	STAGE	STATION	TO	STATION	OFFSET	211.0500 PREPARE FOUNDATION FOR BASE AGGREGATE STA	305.0110* BASE AGGREGATE DENSE 3/4-INCH TON	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	COMMENTS
0010	1								
		100+42	-	101+34	LT	--	--	180	WIDENING
		77+50	-	80+00	LT & RT	3	10	470	S 48TH AVE
SUBTOTALS STAGE 1						3	10	650	
	2								
		96+75	-	100+42	LT & RT	--	20	--	
		150+25	-	176+55	LT & RT	27	--	9,470	
		17+57	-	23+61	LT	--	10	700	S 72ND AVE
		58+80	-	61+00	LT & RT	3	--	530	S 56TH AVE
SUBTOTALS STAGE 2						30	30	10,700	
	3								
		100+42	-	152+42	LT & RT	50	380	20,910	
		15+82	-	18+87	RT	--	10	435	S 72ND AVE
		40+16	-	41+00	LT & RT	1	10	310	S 68TH AVE
SUBTOTALS STAGE 3						51	400	21,655	
	4								
		100+42	-	119+00	LT	--	--	930	MULTI-USE TRAIL
		19+17	-	23+61	RT	--	--	580	S 72ND AVE
SUBTOTALS STAGE 4						--	--	1,510	
CATEGORY 0010 TOTALS						84	440	34,515	

NOTE:
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

DRIVEWAYS

CATEGORY	STAGE	STATION	TO	STATION	OFFSET	305.0110* BASE AGGREGATE DENSE 3/4-INCH TON	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	415.0060 CONCRETE PAVEMENT 6-INCH SY	602.0860 CONCRETE DRIVEWAY HES 6-INCH SY	602.0870 CONCRETE DRIVEWAY HES 8-INCH SY	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	COMMENTS
0010	1											
		77+55	-	78+45	LT	80	--	--	--	--	--	S 48TH AVE
SUBTOTALS STAGE 1						80	--	--	--	--	--	
	2											
		150+25	-	176+55	LT & RT	112	833	--	410	--	262	
		58+80	-	61+00	LT & RT	--	15	--	--	--	5	S 56TH AVE
SUBTOTALS STAGE 2						112	848	--	410	--	267	
	3											
		97+25	-	100+42	RT	--	85	--	--	--	32	
		100+42	-	150+25	LT & RT	108	740	--	75	--	270	
SUBTOTALS STAGE 3						108	825	--	75	--	302	
	4											
		107+20	-	118+10	LT	--	113	175	37	220	11	MULTI-USE TRAIL & UPS DRIVEWAYS
		14+60	-	23+61	LT & RT	--	34	--	43	--	10	S 72ND AVE
SUBTOTALS STAGE 4						--	147	175	80	220	21	
CATEGORY 0010 TOTALS						300	1,820	175	565	220	590	

NOTE:
BASE AGGREGATE DENSE 3/4-INCH IS TO BE USED ON ALL UNPAVED DRIVEWAYS.

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EXCAVATION FOR STRUCTURES CULVERTS

CATEGORY	STAGE	STATION	TO	STATION	OFFSET	206.2001.01 EXCAVATION FOR STRUCTURES CULVERTS (C-37-90) EACH
0010	2					
		102+78	-	103+01	LT	1
CATEGORY 0010 TOTAL						1

PRECAST CONCRETE BOX CULVERT

CATEGORY	STAGE	STATION	TO	STATION	OFFSET	SPV.0090.04 PRECAST CONCRETE BOX CULVERT, 10 FT X 8 FT EXTENSION LF
0010	2					
		102+78	-	103+01	LT	30
CATEGORY 0010 TOTAL						30

ASPHALTIC ITEMS

CATEGORY	STAGE	STATION	TO	STATION	OFFSET	211.0400 PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS STA	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.5223 HMA PAVEMENT 3 LT 58-28 S TON	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	465.0105 ASPHALTIC SURFACE TON	465.0110 ASPHALTIC SURFACE PATCHING TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	465.0310 ASPHALTIC CURB LF	465.0315 ASPHALTIC FLUMES SY	COMMENTS
0010	1															
		94+50	-	150+25	LT & RT	45	--	--	--	--	--	--	745	170	2	TEMPORARY PAVING
		14+60	-	23+61	LT & RT	--	--	--	--	--	--	20	--	--	--	S 72ND AVE
		77+50	-	80+00	LT & RT	--	--	23	89	44	--	--	--	--	--	S 48TH AVE
SUBTOTALS STAGE 1						45	--	23	89	44	--	20	745	170	2	
	2															
		17+90	-	22+23	LT	--	--	--	--	53	125	--	--	--	--	S 72ND AVE INCLUDING MULTI-USE TRAIL
		152+42	-	176+55	LT & RT	--	--	488	1,911	956	--	--	--	--	--	
		153+22	-	176+29	LT	--	--	--	--	435	--	--	--	--	--	MULTI-USE TRAIL
		58+80	-	61+00	LT & RT	--	--	30	115	57	--	--	--	--	6	S 56TH AVE
SUBTOTALS STAGE 2						--	--	518	2,026	1,500	125	--	--	--	6	
	3															
		100+42	-	152+42	LT & RT	--	--	--	3,026	--	--	--	1,125	600	4	
		119+47	-	152+42	LT	--	--	--	--	616	--	--	--	--	--	MULTI-USE TRAIL
		18+62	-	18+82	LT & RT	--	--	--	--	--	--	16	--	--	--	S 72ND AVE SAN MH
		40+16	-	41+00	LT & RT	--	--	--	67	--	--	--	--	--	--	S 68TH AVE
SUBTOTALS STAGE 3						--	--	--	3,094	1,191	--	16	1,125	600	4	
	4															
		100+42	-	152+42	LT & RT	--	1,470	773	--	1,470	--	--	--	--	--	
		100+67	-	118+11	LT	--	331	--	--	331	--	--	--	--	--	MULTI-USE TRAIL
SUBTOTALS STAGE 4						--	1,800	773	--	1,800	--	--	--	--	--	
	5															
		100+42	-	118+37	LT	--	1,048	156	742	306	--	--	--	--	--	
		14+60	-	23+61	LT & RT	--	550	280	--	550	--	149	--	--	12	S 72ND AVE (INCLUSES WEST LEG OF STEWART AVE)
		40+16	-	41+00	LT & RT		34	20	--	34	--	--				S 68TH AVE
SUBTOTALS STAGE 5						--	1,631	456	742	889	--	149	--	--	12	
CATEGORY 0010 TOTALS						45	3,432	1,770	5,950	5,425	125	185	1,870	770	24	

CONCRETE CURB & GUTTER ITEMS

CATEGORY	STAGE	STATION		STATION	OFFSET	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	SPV.0090.02 CONCRETE CURB & GUTTER HES 30-INCH TYPE D LF	SPV.0090.03 CONCRETE CURB & GUTTER 12 1/2-INCH SLOPED HES 30-INCH TYPE D LF	COMMENTS
0010	1										
		79+21	-	79+82	LT	--	--	93	--	--	S 48TH AVE
SUBTOTALS STAGE 1						--	--	93	--	--	
	2										
		150+25	-	152+45	RT	--	200	--	21	--	
		153+51	-	176+30	RT	--	1,889	--	389	--	
		153+57	-	176+91	LT	130	1,923	--	412	--	
		17+90	-	22+23	LT	--	314	--	--	7	S 72ND AVE
		58+80	-	61+00	LT & RT	--	337	--	58	--	S 56TH AVE
SUBTOTALS STAGE 2						130	4,663	--	880	7	
	3										
		119+47	-	152+42	LT	--	3,099	--	195	--	
		18+07	-	18+83	RT	--	--	122	--	--	S 72ND AVE
		40+16	-	41+00	LT & RT	--	165	--	--	--	S 68TH AV E
SUBTOTALS STAGE 3						--	3,264	122	195	--	
	4										
		19+17	-	23+61	RT	--	135	--	--	353	S 72ND AVE
		101+34	-	118+37	LT	--	1,538	--	165	--	
SUBTOTALS STAGE 4						--	1,673	--	165	353	
CATEGORY 0010 TOTALS						130	9,600	215	1,240	360	

CONCRETE SIDEWALK ITEMS

CATEGORY	STAGE	STATION		STATION	OFFSET	602.0415 CONCRETE SIDEWALK 6-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	602.0615 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA SF	COMMENTS
0010	1								
		77+82	-	78+22	RT	182	--	--	S 48TH AVE - SE
		79+61	-	79+78	LT	288	20	38	S 48TH AVE - SW
SUBTOTALS STAGE 1						470	20	38	
	2								
		176+30	-	176+91	LT	625	20	--	S 48TH AVE - NW
		17+95	-	18+79	LT	328	40	--	S 72ND AVE - SW
		19+21	-	19+59	LT	218	20	24	S 72ND AVE - NW
		60+21	-	60+64	RT	404	--	37	S 56TH AVE - NE
		60+23	-	60+64	LT	220	--	32	S 56TH AVE - NW
SUBTOTALS STAGE 2						1,795	80	93	
	3								
		40+24	-	40+34	RT	225	--	33	S 68TH AVE - NE
SUBTOTALS STAGE 3						225	--	33	
	4								
		19+49	-	19+59	RT	135	--	25	S 72ND AVE - NE
		40+22	-	40+32	LT	245	--	33	S 68TH AVE - NW
SUBTOTALS STAGE 4						380	--	58	
CATEGORY 0010 TOTALS						2,870	100	222	

CULVERT ITEMS

CATEGORY	STAGE	STATION	OFFSET	520.2048 CULVERT PIPE TEMPORARY 48-INCH LF	522.0412 CULVERT PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	522.0418 CULVERT PIPE REINFORCED CONCRETE 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	522.1012* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-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	522.1036* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH
0010	1											
		102+50	LT & RT	180	--	--	--	--	--	--	--	--
		78+05	LT	--	--	--	--	48	--	--	--	2
SUBTOTALS STAGE 1				180	--	--	--	48	--	--	--	2
	3											
		104+80	RT	--	--	--	56	--	--	--	2	--
		106+93	RT	--	--	--	56	--	--	--	2	--
		108+00	RT	--	--	--	40	--	--	--	2	--
		109+50	RT	--	--	46	--	--	--	2	--	--
		112+26	RT	--	--	42	--	--	--	2	--	--
		112+94	RT	--	--	42	--	--	--	2	--	--
		114+91	RT	--	--	42	--	--	--	2	--	--
		116+20	RT	--	--	24	--	--	--	2	--	--
		118+12	RT	--	--	42	--	--	--	2	--	--
		144+65	LT	--	32	--	--	--	2	--	--	--
		146+21	LT	--	32	--	--	--	2	--	--	--
SUBTOTALS STAGE 3				--	64	238	152	--	4	12	6	--
CATEGORY 0010 TOTALS				180	64	238	152	48	4	12	6	2

NOTE:
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

STORM SEWER ITEMS

CATEGORY	STAGE	STATION	FROM STRUCTURE	TO STRUCTURE	520.8000 CONCRETE COLLARS FOR PIPE EACH	522.1012* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-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	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF
0010	1																			
		100+45	P 3.1	3	1	--	--	--	--	--	--	--	42	--	--	--	--	--	--	--
		100+85	3	P 3.2	1	--	--	--	--	--	--	--	8	--	--	--	--	--	--	--
		101+80	P 4.1	4	1	--	--	--	--	--	--	--	8	--	--	--	--	--	--	--
		101+86	4	4.1	--	--	--	1	--	--	--	--	80	--	--	--	--	--	--	--
		118+84	14.1	14.2	--	--	--	--	1	--	--	--	--	49	--	--	--	--	--	--
		119+08	14	14.1	--	--	--	--	--	--	--	--	--	24	--	--	--	--	--	--
		119+34	15	14	--	--	--	--	--	--	--	--	29	--	--	--	--	--	--	--
		176+50	36	37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	54
		79+45	37	37.1	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	16
		79+42	37.2	37	--	--	--	--	--	--	--	--	--	--	29	--	--	--	--	--
SUBTOTALS STAGE 1					3	--	--	1	1	1	--	--	167	73	29	--	--	--	--	70
	2																			
		99+23	1	2	--	--	--	--	--	--	--	57	--	--	--	--	--	--	--	--
		99+80	2	P 2.1	1	--	--	--	--	--	--	--	--	--	--	--	21	--	--	--
		150+10	26.3	26	--	--	--	--	--	--	--	--	--	--	--	34	--	--	--	--
		150+30	26.2	26.1	--	--	--	--	--	--	--	--	--	--	--	--	25	--	--	--
		150+30	26.1	26.4	--	--	--	--	--	--	--	--	--	--	--	--	12	--	--	--
		150+30	26.4	26	--	--	--	--	--	--	--	--	--	--	--	--	12	--	--	--
		150+30	26	27	--	--	--	--	--	--	--	--	--	--	--	--	--	210	--	--
		153+10	27.4	27.3	--	--	--	--	--	--	--	--	--	--	--	--	32	--	--	--
		152+78	27.3	27.2	--	--	--	--	--	--	--	--	--	--	--	--	38	--	--	--
		152+42	27.2	27.1	--	--	--	--	--	--	--	--	--	--	--	--	27	--	--	--
		152+40	27.1	27	--	--	--	--	--	--	--	--	--	--	--	--	24	--	--	--
		152+40	27.5	27	--	--	--	--	--	--	--	--	--	--	--	--	12	--	--	--
		152+40	27	28	--	--	--	--	--	--	--	--	--	--	--	--	--	200	--	--
		154+40	28.1	28	--	--	--	--	--	--	--	--	--	--	24	--	--	--	--	--
		154+40	28	29	--	--	--	--	--	--	--	--	--	--	--	--	--	210	--	--
		156+60	29.2	29.1	--	--	--	--	--	--	--	--	--	--	10	--	--	--	--	--
		156+50	29.1	29	--	--	--	--	--	--	--	--	--	--	--	--	24	--	--	--
		156+50	29.3	29	--	--	--	--	--	--	--	--	--	--	12	--	--	--	--	--
		156+50	29	30	--	--	--	--	--	--	--	--	--	--	--	--	--	150	--	--
		157+86	30.2	30.1	--	--	--	--	--	--	--	--	--	--	15	--	--	--	--	--
		158+16	30.3	30.1	--	--	--	--	--	--	--	--	--	--	15	--	--	--	--	--
		158+00	30.1	30	--	--	--	--	--	--	--	--	--	--	--	--	24	--	--	--
		158+00	30.4	30	--	--	--	--	--	--	--	--	--	--	12	--	--	--	--	--
		158+01	30	31	--	--	--	--	--	--	--	--	--	--	--	--	--	250	--	--
		160+50	31.1	31	--	--	--	--	--	--	24	--	--	--	--	--	--	--	--	--
		160+50	31.2	31	--	--	--	--	--	--	12	--	--	--	--	--	--	--	--	--
		160+50	31	32	--	--	--	--	--	--	--	--	500	--	--	--	--	--	--	--
		165+50	32.2	32.1	--	--	--	--	--	--	26	--	--	--	--	--	--	--	--	--
		165+50	32.1	32	--	--	--	--	--	--	24	--	--	--	--	--	--	--	--	--
		165+50	32.3	32	--	--	--	--	--	--	12	--	--	--	--	--	--	--	--	--
		165+50	32	33	--	--	--	--	--	--	--	--	--	--	--	--	--	200	--	--
		167+50	33.1	33	--	--	--	--	--	--	--	--	--	--	24	--	--	--	--	--
		167+50	33.2	33	--	--	--	--	--	--	--	--	--	--	12	--	--	--	--	--
		167+50	33	34	--	--	--	--	--	--	--	--	--	--	--	--	--	200	--	--
		169+50	34.2	34.1	--	1	--	--	--	--	--	--	--	--	28	--	--	--	--	--
		169+50	34.1	34	--	--	--	--	--	--	--	--	--	--	24	--	--	--	--	--
		169+50	34.3	34	--	--	--	--	--	--	--	--	--	--	--	--	12	--	--	--
		169+50	34	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	209	--
		170+90	35.3	35.1	--	--	--	--	--	--	--	--	--	--	69	--	--	--	--	--
		171+40	35.2	35.1	--	--	--	--	--	--	--	--	--	--	33	--	--	--	--	--
		172+50	35.5	35.4	--	--	--	--	--	--	--	--	--	--	--	--	27	--	--	--
		172+50	35.4	35.1	--	--	--	--	--	--	--	--	--	--	--	--	91	--	--	--
		171+59	35.1	35	--	--	--	--	--	--	--	--	--	--	--	--	24	--	--	--
		170+90	35.8	35.7	--	--	--	--	--	--	--	--	--	--	--	--	15	--	--	--
		170+90	35.7	35.6	--	--	--	--	--	--	--	--	--	--	--	--	69	--	--	--
		172+50	35.10	35.9	--	--	--	--	--	--	--	--	--	--	--	--	10	--	--	--
		172+50	35.9	35.6	--	--	--	--	--	--	--	--	--	--	--	--	91	--	--	--
		171+59	35.6	35	--	--	--	--	--	--	--	--	--	--	--	--	12	--	--	--
		171+59	35	36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	491
		175+79	38	P 38.1	1	--	--	--	--	--	--	--	--	--	--	25	--	--	--	--
		18+16	B	B.1	--	1	--	--	--	--	19	--	--	--	--	--	--	--	--	--
SUBTOTALS STAGE 2					2	2	--	--	--	--	117	57	500	--	278	59	602	1,420	209	491

NOTE:
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

STORM SEWER ITEMS (CONTINUED)

CATEGORY	STAGE	STATION	FROM STRUCTURE	TO STRUCTURE	520.8000 CONCRETE COLLARS FOR PIPE EACH	522.1012* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-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	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF
0010	3																				
		107+05	8	8.1	--	--	--	--	1	--	--	--	--	44	--	--	--	--	--	--	
		108+00	9	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	95	--	
		108+00	9.1	9	--	--	--	--	--	--	22	--	--	--	--	--	--	--	--	--	
		109+00	10	9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100	--	
		109+00	10.1	10	--	--	--	--	--	--	--	--	29	--	--	--	--	--	--	--	
		110+80	11	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	180	--	
		110+80	11.1	11	--	--	--	--	--	--	25	--	--	--	--	--	--	--	--	--	
		112+70	12	11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	175	--	
		112+70	12.1	12	--	--	--	--	1	--	--	--	--	34	--	--	--	--	--	--	
		115+25	13	12	--	--	--	--	--	--	--	--	--	--	270	--	--	--	--	--	
		119+50	16	15	--	--	--	--	--	--	31	--	--	--	--	--	--	--	--	--	
		122+25	17	16	--	--	--	--	--	--	--	--	--	--	275	--	--	--	--	--	
		124+75	18	18.1	--	1	--	--	--	--	48	--	--	--	--	--	--	--	--	--	
		127+25	19	19.1	--	1	--	--	--	--	48	--	--	--	--	--	--	--	--	--	
		132+00	20	20.1	--	1	--	--	--	--	48	--	--	--	--	--	--	--	--	--	
		134+50	21	21.1	--	1	--	--	--	--	50	--	--	--	--	--	--	--	--	--	
		137+00	22	22.1	--	1	--	--	--	--	50	--	--	--	--	--	--	--	--	--	
		139+45	23.1	23	--	--	--	1	--	--	--	--	30	--	--	--	--	--	--	--	
		139+45	23	23.2	--	--	--	1	--	--	--	--	50	--	--	--	--	--	--	--	
		142+05	24.2	24.1	--	--	--	--	--	--	--	--	--	--	--	15	--	--	--	--	
		142+20	24.1	24	--	--	--	--	--	--	--	--	--	--	--	12	--	--	--	--	
		142+05	24	23.3	--	--	--	--	--	--	--	--	--	--	--	255	--	--	--	--	
		139+65	23.3	23	--	--	--	--	--	--	--	--	--	--	--	21	--	--	--	--	
		147+70	25.1	25	--	--	--	--	--	--	--	--	--	--	42	--	--	--	--	--	
		147+70	25	26.4	--	--	--	--	--	--	--	--	--	--	260	--	--	--	--	--	
SUBTOTALS STAGE 3					--	5	--	2	2	--	322	--	109	78	847	303	--	--	550	--	
	4																				
		105+00	6	6.1	--	1	--	--	--	--	31	--	--	--	--	--	--	--	--	--	
		106+14	7	7.1	--	--	1	--	--	--	--	28	--	--	--	--	--	--	--	--	
		21+18	P A.1	A	1	--	--	--	--	--	--	--	--	--	7	--	--	--	--	--	
SUBTOTALS STAGE 4					1	1	1	--	--	--	31	28	--	--	7	--	--	--	--	--	
CATEGORY 0010 TOTALS					6	8	1	3	3	1	470	85	776	151	1,161	362	602	1,420	759	561	

NOTE:
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PIPE UNDERDRAIN ITEMS

CATEGORY	STAGE	STATION	TO	STATION	OFFSET	310.0110 BASE AGGREGATE OPEN-GRADED TON	612.0106 PIPE UNDERDRAIN 6-INCH LF	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY
0010	3								
		119+34	-	135+50	LT	300	1,520	90	1,350
CATEGORY 0010 TOTALS						300	1,520	90	1,350

RIPRAP ITEMS

CATEGORY	STATION	OFFSET	606.0200 RIPRAP MEDIUM CY	645.0120 GEOTEXTILE TYPE HR SY	COMMENTS
0010					
	102+13	RT	50	125	
	106+34	LT	32	90	
	139+42	RT	3	14	
	40+36	RT	40	110	S 68TH AVENUE
	77+51	LT	7	28	S 48TH AVENUE
	79+17	LT	8	28	S 48TH AVENUE
CATEGORY 0010 TOTALS			140	395	

3

STORM SEWER STRUCTURE ITEMS

CATEGORY	STAGE	STATION	OFFSET	STRUCTURE NUMBER	611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.1005 CATCH BASINS 5-FT DIAMETER EACH	611.1006 CATCH BASINS 6-FT DIAMETER EACH	611.1230 CATCH BASINS 2 X 3-FT EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.0645 INLET COVERS TYPE MS-A EACH	SPV.0060.03 INLET COVERS TYPE H-D EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8120.S COVER PLATES TEMPORARY EACH	611.9710 SALVAGED INLET COVERS EACH
0010	1																			
		100+84	35.02' LT	3	1	--	--	--	--	--	--	--	--	--	1	--	--	--	1	--
		101+86	31.94' LT	4	--	--	--	--	--	1	--	--	--	1	--	--	--	--	1	--
		119+08	56.76' LT	14	--	1	--	--	--	--	--	--	--	--	1	--	--	--	1	--
		118+84	56.53' LT	14.1	--	--	--	--	--	1	--	--	--	1	--	--	--	--	1	--
		119+34	43.49' LT	15	--	--	--	--	--	--	--	--	1	--	--	2	--	--	--	--
		176+50	6.00' RT	36	--	--	--	--	--	--	1	--	--	1	--	--	--	--	--	--
		79+45	59.13' LT	37	--	--	--	--	--	--	1	--	--	1	--	--	--	--	--	--
		79+42	30.58' LT	37.2	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
SUBTOTALS STAGE 1					1	1	--	1	--	2	2	--	1	4	3	2	--	--	4	--
	2																			
		99+23	36.00' LT	1	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--
		99+80	36.41' LT	2	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--
		150+30	6.00' RT	26	--	--	--	--	--	1	--	--	--	1	--	--	--	--	--	--
		150+30	17.50' LT	26.1	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--
		150+30	42.72' LT	26.2	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--
		150+10	33.53' RT	26.3	--	--	--	--	--	--	--	--	1	--	--	2	--	--	--	--
		150+30	6.00'LT	26.4	--	--	--	--	1	--	--	--	--	1	--	--	--	--	--	--
		152+40	6.00' RT	27	--	1	--	--	--	--	--	--	--	1	--	--	--	--	--	--
		152+40	17.50' LT	27.1	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		152+42	43.93' LT	27.2	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--
		152+78	56.44' LT	27.3	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		153+10	55.86' LT	27.4	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	--
		152+40	17.50' RT	27.5	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		154+40	6.00 RT	28	--	--	--	--	--	1	--	--	--	1	--	--	--	--	--	--
		154+40	17.50 LT	28.1	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		156+50	6.00 RT	29	--	--	--	--	--	1	--	--	--	1	--	--	--	--	--	--
		156+50	17.50 LT	29.1	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		156+60	17.50' LT	29.2	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		156+50	17.50' RT	29.3	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		158+00	6.00' RT	30	--	--	--	--	--	1	--	--	--	1	--	--	--	--	--	--
		158+00	17.50' LT	30.1	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		157+86	17.50' LT	30.2	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		158+16	17.50' LT	30.3	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		158+01	17.50' RT	30.4	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		160+50	6.00' RT	31	--	--	--	--	--	1	--	--	--	1	--	--	--	--	--	--
		160+50	17.50' LT	31.1	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		160+50	17.50' RT	31.2	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		165+50	6.00' RT	32	--	--	--	--	--	1	--	--	--	1	--	--	--	--	--	--
		165+50	17.50' LT	32.1	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		165+50	43.00' LT	32.2	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--
		165+50	17.50' RT	32.3	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		167+50	6.00' RT	33	--	--	--	--	--	1	--	--	--	1	--	--	--	--	--	--
		167+50	17.50' LT	33.1	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		167+50	17.50' RT	33.2	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		169+50	6.00' RT	34	--	--	--	--	--	1	--	--	--	1	--	--	--	--	--	--
		169+50	17.50' LT	34.1	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		169+50	17.50' RT	34.3	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		171+59	6.00' RT	35	--	--	--	--	--	1	--	--	--	1	--	--	--	--	--	--
		171+59	17.50' LT	35.1	--	1	--	--	--	--	--	--	--	--	1	--	--	--	--	--
		171+40	43.72' LT	35.2	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--
		170+90	17.50' LT	35.3	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		172+50	17.50' LT	35.4	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--
		172+50	44.00' LT	35.5	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--
		171+59	17.50' RT	35.6	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--
		170+90	17.50' RT	35.7	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--
		170+90	32.64' RT	35.8	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--
		172+50	17.50' RT	35.9	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--
		172+50	27.52' RT	35.10	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--
		175+79	67.97' LT	38	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--
		18+16	26.09' LT	B	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
SUBTOTALS STAGE 2					6	2	--	22	1	9	--	9	1	11	27	11	2	--	--	--

NOTE:
STATION AND OFFSETS SHOWN ARE TO THE CENTER OF STRUCTURE

STORM SEWER STRUCTURE ITEMS (CONTINUED)

CATEGORY	STAGE	STATION	OFFSET	STRUCTURE NUMBER	611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.1005 CATCH BASINS 5-FT DIAMETER EACH	611.1006 CATCH BASINS 6-FT DIAMETER EACH	611.1230 CATCH BASINS 2 X 3-FT EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.0645 INLET COVERS TYPE MS-A EACH	SPV.0060.03 INLET COVERS TYPE H-D EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8120.S COVER PLATES TEMPORARY EACH	611.9710 SALVAGED INLET COVERS EACH
0010	3																			
		107+05	17.50' LT	8	--	1	--	--	--	--	--	--	--	--	1	--	--	--	1	--
		108+00	17.50' LT	9	--	1	--	--	--	--	--	--	--	--	1	--	--	--	1	--
		108+00	39.15' LT	9.1	--	--	--	--	--	--	--	1	--	--	--	1	--	--	1	--
		109+00	17.50' LT	10	--	1	--	--	--	--	--	--	--	--	1	--	--	--	1	--
		109+00	46.60' LT	10.1	--	--	--	--	--	--	--	--	1	--	--	2	--	--	--	--
		110+80	17.50' LT	11	--	1	--	--	--	--	--	--	--	--	1	--	--	--	1	--
		110+80	42.64' LT	11.1	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--
		112+55	17.50' LT	12	--	--	1	--	--	--	--	--	--	--	1	--	--	--	1	--
		115+25	17.50' LT	13	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	--
		119+50	17.50' LT	16	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--
		122+25	17.50' LT	17	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		124+75	17.50' LT	18	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		127+25	17.50' LT	19	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		132+00	17.50' LT	20	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		134+50	17.50' LT	21	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		137+00	17.50' LT	22	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		139+44	17.50' LT	23	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--
		139+65	11.50' LT	23.3	--	--	--	--	1	--	--	--	--	1	--	--	--	--	--	--
		142+20	6.00' LT	24	--	--	--	--	1	--	--	--	--	1	--	--	--	--	--	--
		142+20	17.50' LT	24.1	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--
		142+05	17.50' LT	24.2	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--
		147+70	17.50' LT	25	--	--	--	--	1	--	--	--	--	1	--	--	--	--	--	--
		147+70	54.61' LT	25.1	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--
SUBTOTALS STAGE 3					4	4	1	7	3	--	--	3	1	3	16	5	--	--	7	--
	4																			
		105+00	17.50' LT	6	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		106+14	17.50' LT	7	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
		19+35	2.00' RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--
		21+18	21.50' RT	A	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1
SUBTOTALS STAGE 4					--	--	--	3	--	--	--	--	--	--	2	--	--	1	--	1
CATEGORY 0010 TOTALS					11	7	1	33	4	11	2	12	3	18	48	18	2	1	11	1

NOTE:
STATION AND OFFSETS SHOWN ARE TO THE CENTER OF STRUCTURE

RESTORATION ITEMS

CATEGORY	STAGE	STATION	TO	STATION	OFFSET	625.0100 TOPSOIL SY	627.0200 MULCHING SY	628.2004 EROSION MAT CLASS I TYPE B SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.2027 EROSION MAT CLASS II TYPE C SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0500 SEED WATER MGAL	SPV.0030.01 FERTILIZER FOR LAWN TYPE TURF CWT	SPV.0180.01 PREPARING TOPSOIL FOR LAWN TYPE TURF SY	COMMENTS
0010	1																
		100+46	-	101+31	LT	390	--	--	390	--	--	--	7	9	0.2	390	TEMPORARY WIDENING
		101+75	-	103+25	LT & RT	710	--	--	--	710	--	--	13	16	0.4	710	TEMPORARY BYPASS
		77+50	-	79+77	LT & RT	1,470	--	--	160	1,310	0.1	5	23	33	0.8	1,270	S 48TH AVENUE
STAGE 1 TOTALS						2,570	--	--	550	2,020	0.1	5	43	58	1.4	2,370	
	2																
		96+80	-	99+35	LT&RT	1,180	660	340	--	180	0.2	9	15	27	0.5	840	STEWART AVENUE
		152+42	-	176+55	LT&RT	8,500	3,190	1,640	2,710	960	--	--	153	191	5.3	8,490	STEWART AVENUE
STAGE 2 TOTALS						9,680	3,850	1,980	2,710	1,140	0.2	9	168	218	5.8	9,330	
	3																
		101+31	-	118+60	LT	5,990	2,810	--	370	2,810	2.2	96	44	135	1.5	2,440	TEMPORARY WIDENING
		100+42	-	119+50	RT	2,710	--	--	--	2,710	2.4	104		61			STEWART AVENUE
		119+50	-	152+42	LT&RT	15,470	8,610	1,400	1,680	3,780	6.5	278	94	347	3.3	5,200	STEWART AVENUE
STAGE 3 TOTALS						24,170	11,420	1,400	2,050	9,300	11.1	478	118	543	4.1	6,520	
	4																
		100+42	-	119+50	LT	3,690	1,550	--	2,140	--	0.8	36	15	48	0.5	810	STEWART AVENUE
		19+17	-	23+61	RT	450	--	--	450	--	--	--	8	10	0.3	450	S 72 AVE
STAGE 4 TOTALS						4,140	1,550	--	2,590	--	0.8	36	23	58	0.8	1,260	
--				UNDISTRIBUTED		10,150	4,210	850	1,980	3,110	2.8	132	88	219	2.9	4,870	
CATEGORY 0010 TOTALS						50,710	21,030	4,230	9,880	15,570	15.0	660	440	1,096	15.0	24,350	

TEMPORARY BARRIER ITEMS

CATEGORY	STAGE	STATION	TO	STATION	OFFSET	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	603.8125 TEMPORARY PRECAST INSTALLED LF	614.0905 CRASH CUSHIONS TEMPORARY EACH	BACK WIDTH LF	OBJECT MARKING PATTERN	CRASH TEST LEVEL	TRAFFIC DIRECTION	TRAFFIC LOCATION	CRASH CUSHION SHIELDS
0010	2													
		101+20	-	104+54	LT	330	330	--	--	--	--	--	--	--
		101+77	-	104+04	RT	230	230	--	--	--	--	--	--	--
		101+20			LT	--	--	1	2	OM-3L	TL-2	BIDIRECTIONAL	RT	TEMPORARY CONCRETE BARRIER
		101+77			RT	--	--	1	2	OM-3R	TL-2	BIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER
		104+04			RT	--	--	1	2	OM-3L	TL-2	BIDIRECTIONAL	RT	TEMPORARY CONCRETE BARRIER
		104+54			LT	--	--	1	2	OM-3R	TL-2	BIDIRECTIONAL	LT	TEMPORARY CONCRETE BARRIER
CATEGORY 0010 TOTALS						560	560	4						

TRAFFIC CONTROL SIGNS FIXED MESSAGE

CATEGORY	STAGE	LOCATION	NUMBER REQUIRED	SIGN SIZE W X H FT X FT	SIGN AREA SF	643.1000 SF	SIGN MESSAGE
0010							
	2&3	STEWART AVE AND 72ND AVE	3	5.5 X 4	22.00	66.00	STEWART AVE / CLOSED / AT S 68TH AVE / USE ALT ROUTE
	2&3	STEWART AVE AND 48TH AVE	1	5.5 X 4	22.00	22.00	STEWART AVE / CLOSED / AT S 56TH AVE / USE ALT ROUTE
	1,3,&4	STH 29 EB EXIT RAMP TO S 72ND AVE	1	10.5 X 6	63.00	63.00	STEWART AVE EAST / CLOSED / FROM 72ND AVE / USE EXIT 164A
	1,3,&4	PRIOR TO STH 29 EB EXIT RAMP TO S 72ND AVE	1	10.5 X 4.5	47.25	47.25	72ND AVE CLOSED / NORTH OF WIS 29 / USE EXIT 164A
	1,3,&4	USH 51 NB AND USH 51 SB	2	10.5 X 6	63.00	126.00	STEWART AVE EAST / CLOSED / FROM 72ND AVE / USE EXIT 192
	1,3,&4	PRIOR TO USH 51 NB AND USH 51 SB	2	10.5 X 4.5	47.25	94.50	72ND AVE CLOSED / NORTH OF WIS 29 / USE EXIT 192
	ALL	WIDTH RESTRICTIONS	5	4 X 1	4.00	20.00	S 72ND AVE
	ALL	WIDTH RESTRICTIONS	4	3 X 1	3.00	12.00	S 72ND AVE
	ALL	WIDTH RESTRICTIONS	2	3 X 1	3.00	6.00	STEWART AVE
CATEGORY 0010 TOTAL						456.75	

EROSION CONTROL ITEMS

CATEGORY	STAGE	STATION	TO	STATION	OFFSET	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH	COMMENTS
0010	1														
		102+00	-	104+00	LT & RT	400	400	--	--	--	--	--	--	--	
		77+50	-	79+77	LT & RT	144	144	1	--	--	1	30	12	--	S 48TH AVENUE
STAGE 1 TOTALS						544	544	1	--	--	1	30	12	--	
	2														
		96+80	-	99+35	LT&RT	117	117	3	1	4	--	10	--	--	STEWART AVENUE
		152+42	-	176+55	LT&RT	717	717	33	5	22	7	250	2	14	STEWART AVENUE
STAGE 2 TOTALS						834	834	36	6	26	7	260	2	14	
	3														
		101+31	-	118+60	LT	1,413	1,413	3	3	--	--	160	5	56	TEMPORARY WIDENING
		100+42	-	119+50	RT	1,266	1,266	--	--	--	--	160	45	56	STEWART AVENUE
		119+50	-	152+42	LT&RT	2,718	2,718	16	2	10	3	480	25	114	STEWART AVENUE
STAGE 3 TOTALS						5,397	5,397	19	5	10	3	800	75	226	
	4														
		100+42	-	119+50	LT	--	--	11	3	7	2	--	--	--	STEWART AVENUE
		19+17	-	23+61	RT	--	--	1	--	2	--	--	--	--	S 72ND AVE
STAGE 4 TOTALS						--	--	12	3	9	2	--	--	--	
	--			UNDISTRIBUTED		1,690	1,690	17	4	11	3	270	31	60	
CATEGORY 0010 TOTALS						8,465	8,465	85	18	56	16	1,360	120	300	

EROSION CONTROL MOBILIZATION

CATEGORY	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010			
	PROJECT	15	5
CATEGORY 0010 TOTALS		15	5

TYPE II SIGNS AND SUPPORTS

CATEGORY	SIGN NUMBER	SIGN CODE	SIGN DIMENSION W X H IN X IN	DESCRIPTION	634.0810 POSTS TUBULAR STEEL 2X2-INCH X 10-FT EACH	634.0812 POSTS TUBULAR STEEL 2X2-INCH X 12-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	COMMENTS
0010															
	1-1	W3-3	36 X 36	TRAFFIC SIGNALS AHEAD	--	--	1	--	--	9.00	--	1	1	--	
	1-2	--	-- X --	--	--	2	--	--	--	--	1	--	2	--	SUNNYVALE COUNTY PARK
	1-3	R1-1F	30 X 30	STOP (FOLDING SIGN)	--	--	--	--	5.18	--	--	--	--	--	MOUNT TO SIGNAL POLE
	1-4	R10-3BR	9 X 12	PED PUSH BUTTON (RIGHT ARROW)	--	--	--	0.75	--	--	--	--	--	--	MOUNT TO SIGNAL POLE
	1-5	R10-3BL	9 X 12	PED PUSH BUTTON (LEFT ARROW)	--	--	--	0.75	--	--	--	--	--	--	MOUNT TO SIGNAL POLE
	1-6	R10-3BR	9 X 12	PED PUSH BUTTON (RIGHT ARROW)	--	--	--	0.75	--	--	--	--	--	--	MOUNT TO SIGNAL POLE
	1-7	R1-1F	30 X 30	STOP (FOLDING SIGN)	--	--	--	--	5.18	--	--	1	--	--	MOUNT TO SIGNAL POLE
	1-8	--	-- X --	--	--	--	--	--	--	--	--	--	--	--	WAUSAU BUSINESS CAMPUS
	1-9	R10-3BL	9 X 12	PED PUSH BUTTON (LEFT ARROW)	--	--	--	0.75	--	--	--	--	--	--	MOUNT TO SIGNAL POLE
	1-10	--	-- X --	--	--	--	--	--	--	--	--	1	1	--	
	1-11	J22-1	24 X 57	TO / STH 29 / LEFT	--	1	--	9.50	--	--	--	--	--	--	
	1-12	R1-1F	30 X 30	STOP (FOLDING SIGN)	--	--	--	--	5.18	--	--	--	--	--	MOUNT TO SIGNAL POLE
	1-13	R1-1F	30 X 30	STOP (FOLDING SIGN)	--	--	--	--	5.18	--	--	1	--	--	MOUNT TO SIGNAL POLE
	1-14	R2-1	24 X 30	SPEED LIMIT / 35 MPH	--	1	--	5.00	--	--	--	1	1	--	
	1-15	--	-- X --	--	--	1	--	--	--	--	1	--	1	--	INDUSTRIAL PARK
	2-1	--	-- X --		--	--	--	--	--	--	--	1	1	--	
	2-2	W3-3	36 X 36	TRAFFIC SIGNALS AHEAD	--	1	--	--	--	9.00	--	--	--	--	
	3-1	--	-- X --	--	--	--	--	--	--	--	1	--	--	1	PRIVATE STOP SIGN
	3-2	R2-1	24 X 30	SPEED LIMIT / 35 MPH	--	1	--	5.00	--	--	--	--	--	--	
	3-3	--	-- X --	--	--	--	--	--	--	--	1	--	--	1	PRIVATE STOP SIGN
	3-4	--	-- X --	--	--	--	--	--	--	--	1	--	--	1	PRIVATE STOP SIGN
	3-5	--	-- X --	--	--	--	--	--	--	--	1	--	--	1	PRIVATE STOP SIGN
	3-6	--	-- X --	--	--	--	--	--	--	--	--	1	1	--	DO NOT PASS
	3-7	--	-- X --	--	--	1	--	--	--	--	1	--	--	--	CRIME WATCH COMMUNITY
	4-1	--	-- X --	--	--	--	--	--	--	--	--	1	1	--	SPEED LIMIT / 35 MPH
	4-2	R2-1	24 X 30	SPEED LIMIT / 35 MPH	1	--	--	5.00	--	--	--	--	--	--	
	4-3	R1-1	30 X 30	STOP	--	1	--	5.18	--	--	--	--	--	--	
	4-4	--	-- X --	--	--	--	--	--	--	--	--	1	1	--	STOP SIGN
	4-5	--	-- X --	--	--	--	--	--	--	--	--	1	1	--	SPEED LIMITS / 35 MPH
	4-6	R2-1	24 X 30	SPEED LIMIT / 35 MPH	--	1	--	5.00	--	--	--	--	--	--	
	5-1	R2-1	24 X 30	SPEED LIMIT / 35 MPH	1	--	--	5.00	--	--	--	--	--	--	
	6-1	--	-- X --	--	--	--	--	--	--	--	--	1	1	--	PASS WITH CARE
	7-1	R2-1	24 X 30	SPEED LIMIT / 35 MPH	--	1	--	5.00	--	--	--	--	--	--	
	7-2	R2-1	24 X 30	SPEED LIMIT / 35 MPH	1	--	--	5.00	--	--	--	--	--	--	
	8-1	--	-- X --	--	--	--	--	--	--	--	--	1	1	--	SPEED LIMIT / 35 MPH
	9-1	W14-3	48 X 36	NO PASSING ZONE	--	1	--	--	--	5.56	--	--	--	--	
	9-2	W14-3	48 X 36	NO PASSING ZONE	--	1	--	--	--	5.56	--	--	--	--	
	9-3	--	-- X --	--	--	--	--	--	--	--	--	1	1	--	DO NOT PASS
	9-4	R2-1	24 X 30	SPEED LIMIT / 35 MPH	--	1	--	5.00	--	--	--	--	--	--	
	10-1	R2-1	24 X 30	SPEED LIMIT / 35 MPH	1	--	--	5.00	--	--	--	--	--	--	
	10-2	--	-- X --	--	--	--	--	--	--	--	--	1	1	--	SPEED LIMIT / 35 MPH
	10-3	R1-1	30 X 30	STOP	--	1	--	5.18	--	--	--	--	--	--	
	10-4	--	-- X --	--	--	--	--	--	--	--	--	1	1	--	STOP SIGN
	10-5	R2-1	24 X 30	SPEED LIMIT / 35 MPH	1	--	--	5.00	--	--	--	--	--	--	
	11-1	--	-- X --	--	--	--	--	--	--	--	--	1	1	--	SNOWMOBILE CROSSING
	11-2	R2-1	24 X 30	SPEED LIMIT / 35 MPH	1	--	--	5.00	--	--	--	--	--	--	
	12-1	R2-1	24 X 30	SPEED LIMIT / 35 MPH	1	--	--	5.00	--	--	--	--	--	--	
	13-1	W6-1	36 X 36	DIVIDED HIGHWAY	--	1	--	--	--	9.00	--	--	--	--	
	13-2	--	-- X --	--	--	--	--	--	--	--	--	1	1	--	DIVIDED HIGHWAY
	13-3	--	-- X --	--	--	--	--	--	--	--	--	1	1	--	SPEED LIMIT / DO NOT PASS
	13-4	R2-1	24 X 30	SPEED LIMIT / 35 MPH	1	--	--	5.00	--	--	--	--	--	--	
	13-5	W6-3	36 X 36	TWO-WAY TRAFFIC	--	1	--	--	--	9.00	--	--	--	--	
	13-6	--	-- X --	--	--	--	--	--	--	--	--	1	1	--	TWO-WAY TRAFFIC
	14-1	R3-8	36 X 30	ONLY AHEAD / ONLY RIGHT	1	--	--	7.50	--	--	--	--	--	--	
	14-2	--	-- X --	--	--	--	--	--	--	--	--	1	1	--	ONLY SIGN
	14-3	--	-- X --	--	--	--	--	--	--	--	--	1	1	--	DIVIDED HIGHWAY
	14-4	W6-2	36 X 36	DIVIDED HIGHWAY	--	1	--	--	--	9.00	--	--	--	--	
	15-1	W3-3	36 X 36	TRAFFIC SIGNALS AHEAD	--	--	1	--	--	9.00	--	1	1	--	
	15-2	R3-8	36 X 30	ONLY LEFT / AHEAD OR RIGHT	--	1	--	7.50	--	--	--	1	1	--	
	15-3	W6-3	36 X 36	TWO-WAY TRAFFIC	--	--	1	--	--	9.00	--	--	--	--	
	15-4	W6-1	36 X 36	DIVIDED HIGHWAY	--	--	1	--	--	9.00	--	1	1	--	
	16-1	R3-8	36 X 30	ONLY LEFT / AHEAD OR RIGHT	1	--	--	7.50	--	--	--	1	1	--	
	16-2	R2-1	24 X 30	SPEED LIMIT / 35 MPH	1	--	--	5.00	--	--	--	1	1	--	
	16-3	W3-3	36 X 36	TRAFFIC SIGNALS AHEAD	--	1	--	--	--	9.00	--	1	1	--	
CATEGORY 0010 TOTALS					11	20	4	115.36	20.72	92.12	7	27	28	4	

TRAFFIC CONTROL ITEMS

CATEGORY	STAGE	LOCATION	STAGE DURATION	643.0300 TRAFFIC CONTROL DRUMS		643.0420 TRAFFIC CONTROL BARRICADES TYPE III		643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A		643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C		643.0800 TRAFFIC CONTROL ARROW BOARDS		643.0900 TRAFFIC CONTROL SIGNS		643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II (#)	643.1050 TRAFFIC CONTROL SIGNS PCMS		644.1440 TEMPORARY PEDESTRIAN SURFACE MATTING	644.1601 TEMPORARY PEDESTRIAN CURB RAMP		644.1605 TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	644.1810 TEMPORARY PEDESTRIAN BARRICADE	COMMENTS
			DAYS	NO.	DAY	NO.	DAY	NO.	DAY	NO.	DAY	NO.	DAY	NO.	DAY	EACH	NO.	DAY	SF	NO.	DAY	SF	LF	
0010	1																							
		PRIOR TO CONSTRUCTION	7	20	140	--	--	--	--	--	--	--	--	--	--	--	4	28	--	--	--	--	--	
		ADVANCED WARNING	25	35	875	--	--	--	--	--	--	--	--	45	1,125	2	--	--	--	--	--	--	--	INCLUDES BIKE DETOUR SIGNS
		STA 100+25 - STA 176+55	10	135	1,350	--	--	--	--	5	50	--	--	10	100	29	--	--	--	--	--	--	--	TEMPORARY SHOULDER WIDENING
		STA 101+75 - STA 103+25	15	--	--	13	195	22	330	--	--	--	--	12	180	--	--	--	--	--	--	--	--	PIPE INSTALLATION
		S 68TH AVE CLOSURE	5	--	--	13	65	19	95	--	--	--	--	8	40	--	2	14	--	--	--	--	--	PIPE INSTALLATION
		S 48TH AVE CLOSURE	5	46	230	23	115	31	155	10	50	1	5	39	195	4	3	21	125	--	--	--	30	PIPE INSTALLATION
		WIDTH RESTRICTIONS	25	--	--	--	--	--	--	--	--	--	--	30	750	--	--	--	--	--	--	--	--	
		DETOUR	10	15	150	--	--	--	--	--	--	--	--	6	60	--	3	21	--	--	--	--	--	STEWART AVE CLOSURE
SUBTOTALS STAGE 1					2,745		375		580		100		5		2,450	35		84	125		--	--	30	
	2																							
		ADVANCED WARNING	80	--	--	--	--	--	--	--	--	--	--	46	3,680	--	--	--	--	--	--	--	--	INCLUDES BIKE DETOUR SIGNS
		STA 118+62 - STA 177+00 (STAGE 2A)	45	153	6,885	12	540	24	1,080	6	270	--	--	62	2,790	--	--	--	--	--	--	--	--	
		STA 118+62 - STA 181+25 (STAGE 2B)	35	183	6,405	16	560	28	980	28	980	1	35	68	2,380	2	--	--	--	--	--	--	190	
		STA 100+90 - STA 107+30 (STAGE 2B)	35	19	665	4	140	8	280	6	210	--	--	3	105	--	--	--	--	--	--	--	--	BOX CULVERT EXTENSION
		NW QUAD S 72ND AVE	20	33	660	4	80	8	160	7	140	--	--	3	60	--	--	--	30	1	20	20	25	
		SW QUAD S 72ND AVE	20	57	1,140	5	100	10	200	8	160	--	--	4	80	--	--	--	--	--	--	--	20	
		WIDTH RESTRICTIONS	80	--	--	--	--	--	--	--	--	--	--	30	2,400	--	--	--	--	--	--	--	--	
SUBTOTALS STAGE 2					15,755		1,420		2,700		1,760		35		11,495	2		--	30		20	20	235	
	3																							
		ADVANCED WARNING	55	20	140	--	--	--	--	--	--	--	--	46	2,530	--	4	28	--	--	--	--	--	INCLUDES BIKE DETOUR SIGNS
		STA 100+40 - STA 152+60 (STAGE 3A)	15	90	1,350	9	135	12	180	--	--	--	--	13	195	--	2	14	--	--	--	--	15	INCLUDES SOUTH 72ND AVE
		STA 100+40 - STA 152+60 (STAGE 3B)	25	90	2,250	10	250	13	325	--	--	--	--	35	875	--	--	--	--	--	--	--	--	INCLUDES SOUTH 72ND AVE
		STA 100+40 - STA 152+60 (STAGE 3C)	15	98	1,470	15	225	22	330	--	--	--	--	15	225	--	4	28	--	--	--	--	--	SOUTH 68TH AVE CLOSURE
		WIDTH RESTRICTIONS	55	--	--	--	--	--	--	--	--	--	--	30	1,650	--	--	--	--	--	--	--	--	
		DETOUR	2	32	64	9	18	16	32	--	--	--	--	11	22	--	3	21	--	--	--	--	--	SOUTH 72ND AVE CLOSURE
SUBTOTALS STAGE 3					5,274		628		867		--		--		5,497	--		91	--		--	--	15	
	4																							
		ADVANCED WARNING	20	--	--	--	--	--	--	--	--	--	--	46	920	--	--	--	--	--	--	--	--	INCLUDES BIKE DETOUR SIGNS
		STA 100+40 - STA 122+09	20	113	2,260	3	60	4	80	6	120	--	--	27	540	--	--	--	--	--	--	--	--	INCLUDES SOUTH 72ND AVE
		WIDTH RESTRICTIONS	20	--	--	--	--	--	--	--	--	--	--	30	600	--	--	--	--	--	--	--	--	
		DETOUR	15	15	225	--	--	--	--	--	--	--	--	29	435	--	3	21	--	--	--	--	--	STEWART AVE CLOSURE
SUBTOTALS STAGE 4					2,485		60		80		120		--		2,495	--		21	--		--	--	--	
	5																							
		ADVANCED WARNING	15	--	--	--	--	--	--	--	--	--	--	46	690	--	--	--	--	--	--	--	--	INCLUDES BIKE DETOUR SIGNS
		WIDTH RESTRICTIONS	15	--	--	--	--	--	--	--	--	--	--	30	450	--	--	--	--	--	--	--	--	
SUBTOTALS STAGE 5					--		--		--		--		--		1,140	--		--	--		--	--	--	
CATEGORY 0010 TOTALS					26,259		2,483		4,227		1,980		40		23,077	37		196	155		20	20	280	

NOTE:
ONE CYCLE NEEDED FOR COVERING SIGNS.

LONG LINE PAVEMENT MARKING ITEMS

CATEGORY	STATION TO STATION	646.1020 MARKING LINE EPOXY 4-INCH 3' LINE 9' SKIP WHITE	646.1020 MARKING LINE EPOXY 4-INCH 12.5' LINE 37.5' SKIP YELLOW	646.1020 MARKING LINE EPOXY 4-INCH SOLID WHITE	646.1020 MARKING LINE EPOXY 4-INCH SOLID YELLOW	646.3020 MARKING LINE EPOXY 8-INCH 3' LINE 9' SKIP WH ITE	646.3020 MARKING LINE EPOXY 8-INCH SOLID WHITE	646.4520 MARKING LINE SAME DAY EPOXY 4-INCH SOLID YELLOW	646.6464 COLD WEATHER MARKING EPOXY 4-INCH	646.6468 COLD WEATHER MARKING EPOXY 8-INCH	646.7120 MARKING DIAGONAL EPOXY 12-INCH 25' C-C AT 45 SOLID WHITE	646.7120 MARKING DIAGONAL EPOXY 12-INCH 25' C-C AT 45 SOLID YELLOW	COMMENTS
		LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	
0010													
	94+35 - 98+35	--	--	582	--	--	--	800	1,382	--	--	--	
	98+35 - 100+42	--	--	205	--	--	--	200	405	--	--	--	
	100+42 - 150+25	--	525	9,653	7,257	15	--	--	17,435	15	--	--	
	150+25 - 176+55	--	63	4,752	5,250	39	110	--	--	--	--	107	
	176+55 - 181+10	--	--	--	--	--	492	--	--	--	--	--	
	14+60 - 25+35	--	--	740	--	75	19	2,056	2,796	94	76	35	S 72ND AVE
	77+50 - 80+00	9	--	112	--	--	--	56	--	--	--	--	S 48TH AVE
CATEGORY 0010 TOTALS		9	588	16,044	12,507	129	621	3,112	22,018	109	76	142	
				29,148			750				218		

TEMPORARY PAVEMENT MARKING ITEMS

CATEGORY	STAGE	STATION TO STATION	643.3105 TEMPORARY MARKING LINE PAINT 4-INCH SOLID YELLOW LF	643.3105 TEMPORARY MARKING LINE PAINT 4-INCH SOLID WHITE LF	643.3150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH SOLID YELLOW LF	643.3150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH SOLID WHITE LF	643.3305 TEMPORARY MARKING CROSSWALK PAINT 6-INCH LF	643.3850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	643.3950 TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH LF	646.9000* MARKING REMOVAL LINE 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF	646.9110 MARKING REMOVAL LINE WATER BLASTING 8-INCH LF	646.9200* MARKING REMOVAL LINE WIDE LF	646.9300 MARKING REMOVAL SPECIAL MARKING EACH	646.9310 MARKING REMOVAL SPECIAL MARKING WATER BLASTING EACH	COMMENTS
0010	1															
		174+07 - 181+11	--	--	232	718	--	--	--	375	--	--	135	--	--	
		101+75 - 103+25	300	--	--	--	--	--	--	--	--	--	--	--	--	
SUBTOTAL STAGE 1			300	--	232	718	--	--	--	375	--	--	135	--	--	
			300		950											
	2															
		94+35 - 99+52	--	--	1,746	1,746	--	20	--	1,090	--	--	17	--	--	
		100+42 - 108+00	1,280	1,280	--	--	--	--	--	1,920	--	--	12	--	--	
		118+62 - 118+62	--	--	--	--	--	11	--	--	--	--	--	--	--	
		146+90 - 181+19	2,740	2,720	2,759	3,112	--	36	--	3,035	139	385	--	6	3	
		16+95 - 18+44	--	--	309	233	--	12	100	300	56	--	--	--	--	S 72ND AVE
		19+49 - 22+36	--	--	575	575	--	10	--	575	--	--	16	--	--	S 72ND AVE
SUBTOTAL STAGE 2			4,020	4,000	5,389	5,666	--	89	100	6,920	195	385	45	6	3	
			8,020		11,055											
	3															
		94+05 - 99+50	--	--	1,040	--	76	12	--	--	--	--	--	--	--	
		100+90 - 119+15	7,105	7,155	1,690	1,565	--	20	--	5,355	--	--	--	--	--	
		15+76 - 18+44	300	270	--	--	--	12	--	--	--	--	--	--	--	S 72ND AVE
		19+71 - 27+49	1,425	1,295	--	--	--	12	--	--	--	--	--	--	--	S 72ND AVE
SUBTOTAL STAGE 3			8,830	8,720	2,730	1,565	76	56	--	5,355	--	--	--	--	--	
			17,550		4,295											
	4															
		101+00 - 122+00	--	4,180	--	--	--	--	--	--	--	--	--	--	--	
SUBTOTAL STAGE 4			--	4,180	--	--	--	--	--	--	--	--	--	--	--	
			4,180		--											
CATEGORY 0010 TOTALS			30,050		16,300		76	145	100	12,650	195	385	180	6	3	

NOTE:
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

EXISTING LAND PARCEL MONUMENT ITEMS

CATEGORY	STATION TO STATION	OFFSET	SPV.0060.01 RESEARCH AND LOCATE EXISTING LAND PARCEL MONUMENTS EACH	SPV.0060.02 VERIFY AND REPLACE EXISTING LAND PARCEL MONUMENTS EACH
0010	98+35 - 176+55	LT&RT	97	97
CATEGORY 0010 TOTALS			97	97

LOCATING NO-PASSING ZONES

CATEGORY	STATION TO STATION	648.0100 LOCATING NO-PASSING ZONES MI
0010	98+35 - 176+55	1.48
CATEGORY 0010 TOTAL		1.48

WATER

CATEGORY	LOCATION	624.0100 MGAL
0010		
	PROJECT-BASE COMPACTION	781
	PROJECT-COMMON EXCAVATION	115
	PROJECT-BORROW	24
CATEGORY 0010 TOTAL		920

MISCELLANEOUS PAVEMENT MARKING ITEMS

CATEGORY	STAGE	STATION		TO STATION	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.5220 MARKING SYMBOL EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8320 MARKING PARKING STALL EPOXY LF
0010	ALL									
		98+35	-	100+42	2	--	--	17	80	--
		100+42	-	150+25	21	--	19	23	--	--
		150+25	-	176+55	16	--	12	--	123	400
		176+55	-	181+10	6	3	--	--	--	--
		14+60	-	23+61	8	1	--	62	136	--
		40+16	-	41+00	--	--	--	20	110	--
		60+16	-	61+00	--	--	--	18	115	--
		77+50	-	80+00	--	--	--	--	126	--
CATEGORY 0010 TOTALS					53	4	31	140	690	400

STAKING ITEMS

CATEGORY	STATION		TO STATION	OFFSET	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	650.6501.01 CONSTRUCTION STAKING STRUCTURE LAYOUT (C-37-90) EACH	650.8501.01 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (6999-09-72) EACH	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	650.9500.01 CONSTRUCTION STAKING SIDEWALK (6999-09-72) EACH	650.9911.01 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (6999-09-72) EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	COMMENTS
0010															
	98+35	-	176+55	LT & RT	90	7,820	7,820	9,960	--	--	4	--	--	7,820	
	100+46	-	118+60	LT	--	1,814	1,814	--	--	--	--	--	--	--	WIDENING
	17+57	-	23+61	LT & RT	3	604	604	932	--	--	3	--	--	604	S 72ND AVE
	40+16	-	41+00	LT & RT	--	84	84	165	--	--	2	--	--	84	S 68TH AVE
	58+80	-	61+00	LT & RT	--	220	220	395	--	--	2	--	--	220	S 56TH AVE
	77+50	-	79+77	LT & RT	3	227	227	93	--	--	--	--	--	227	S 48TH AVE
	PROJECT				--	--	--	--	1	1	--	1	1	--	
CATEGORY 0010 TOTALS					96	10,769	10,769	11,545	1	1	11	1	1	8,955	

NOTE:
SLOPE INTERCEPT FOR TEMPORARY WIDENING MATCHES THE SLOPE INTERCEPT OF THE ULTIMATE CONDITION.

REMOVING PAVEMENT MARKING ITEMS

CATEGORY	STATION		TO STATION	OFFSET	646.9000* MARKING REMOVAL LINE 4-INCH LF	646.9200* MARKING REMOVAL LINE WIDE LF	COMMENTS
0010							
	79+53	-	79+53	RT	--	12	
	153+25	-	154+50	LT	188	--	PARKING STALLS
CATEGORY 0010 TOTALS					188	12	

NOTE:
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

FENCING ITEM

CATEGORY	STAGE	STATION		TO STATION	OFFSET	616.0406 FENCE CHAIN LINK SALVAGED 6-FT LF
0010	3					
		17+75	-	18+53	RT	95
CATEGORY 0010 TOTAL						95

CONCRETE BASES ITEMS

CATEGORY	STAGE	SIGNAL BASE NO.	***STATION	***OFFSET	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	654.0107 CONCRETE BASES TYPE 7 EACH	654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
0010	1							
		LB50	176+34.77	29.20' RT	--	--	1	--
SUBTOTALS STAGE 1					--	--	1	--
	2							
		SB4	99+89.25	64.68' RT	--	1	--	--
		SB5	99+35.22	23.47' RT	--	1	--	--
		SB6	99+37.25	26.27' LT	1	--	--	--
		SB7	99+59.58	32.14' LT	--	1	--	--
		SB8	99+93.75	61.29' LT	--	1	--	--
SUBTOTALS STAGE 2					1	4	--	--
	3							
		SB2	101+13.52	40.16' RT	--	1	--	--
		SB3	100+73.41	57.63' RT	--	1	--	--
SUBTOTALS STAGE 3					--	2	--	--
	4							
		CB1	101+12.27	52.12' LT	--	--	--	1
		SB1	101+01.72	29.53' LT	--	1	--	--
		SB9	100+69.87	59.50' LT	--	1	--	--
SUBTOTALS STAGE 4					--	2	--	1
CATEGORY 0010 TOTALS					1	8	1	1

NOTES:
*** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
ALL LOCATIONS ARE OFF STEWART AVENUE ALIGNMENT

CONDUIT ITEMS

CATEGORY	FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0615 CONDUIT SPECIAL 3-INCH LF
0010					
	CB1	PB1	--	87	--
	PB1	SB1	20	--	--
	PB1	PB2	232	--	--
	PB1	PB3	--	--	112
	PB3	SB2	17	--	--
	PB3	PB4	--	152	--
	PB4	SB3	28	--	--
	PB4	PB5	--	28	--
	PB5	PB6	197	--	--
	PB5	PB7	--	--	142
	PB7	PB8	--	108	--
	PB8	SB4	10	--	--
	PB8	PB9	--	84	--
	PB9	PB10	35	--	--
	PB10	PB11	233	--	--
	PB9	SB5	19	--	--
	PB9	PB12	--	--	114
	PB12	SB6	17	--	--
	PB12	SB7	7	--	--
	PB12	PB13	--	106	--
	PB13	SB8	8	--	--
	PB13	PB14	22	--	--
	PB14	PB15	229	--	--
	PB13	PB16	--	--	152
	PB16	PB17	25	--	--
	PB16	SB9	8	--	--
	PB16	CB1	--	147	--
	PB129	PB130	--	30	--
	PB130	LB50	45	--	--
CATEGORY 0010 TOTALS			1,152	742	520

PULL BOXES ITEMS

CATEGORY	STAGE	PULL BOX NO.	***STATION	***OFFSET	653.0135 PULL BOXES STEEL 24X36-INCH EACH	653.0140 PULL BOXES STEEL 24X42-INCH EACH
0010	1					
		PB130	176+72.71	51.70' RT	1	--
SUBTOTALS STAGE 1					1	--
	2					
		PB7	99+94.74	111.46' RT	--	1
		PB8	99+80.55	59.63' RT	--	1
		PB9	99+53.17	27.66' RT	--	1
		PB10	99+18.87	27.72' RT	1	--
		PB11	96+86.50	23.74' RT	1	--
		PB12	99+53.83	28.68' LT	--	1
		PB13	99+89.18	67.81' LT	--	1
		PB14	100+04.28	82.55' LT	1	--
		PB15	100+07.38	310.88' LT	1	--
		PB16	100+66.06	66.23' LT	--	1
SUBTOTALS STAGE 2					4	6
	3					
		PB3	101+13.52	40.16' RT	--	1
		PB4	100+63.77	83.58' RT	--	1
		PB5	100+62.90	111.06' RT	--	1
		PB6	100+58.59	307.28' RT	1	--
SUBTOTALS STAGE 3					1	3
	4					
		PB1	101+15.36	23.86' LT	--	1
		PB2	103+51.44	20.68' LT	1	--
		PB16	100+66.06	66.23' LT	--	1
		PB17	100+59.55	90.13' LT	1	--
SUBTOTALS STAGE 4					2	2
CATEGORY 0010 TOTALS					8	11

NOTE:
*** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD. ALL LOCATIONS ARE OFF STEWART AVENUE ALIGNMENT

INSTALL CONDUIT INTO EXISTING ITEM

CATEGORY	FROM	TO	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH
0010			
	PB129	PB130	1
CATEGORY 0010 TOTAL			1

REMOVING PULL BOXES

CATEGORY	STAGE	PULL BOX NO.	653.0905 REMOVING PULL BOXES EACH
0010			
	1		
		PB1	1
		PB130	1
SUBTOTAL STAGE 1			2
	2		
		PB3	1
		PB4	1
SUBTOTAL STAGE 2			2
	3		
		PB2	1
SUBTOTAL STAGE 3			1
CATEGORY 0010 TOTAL			5

TRAFFIC SIGNAL CABLE AND WIRE ITEMS

CATEGORY	FROM	TO	655.0260* CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0270* CABLE TRAFFIC SIGNAL 15-14 AWG LF	655.0320 CABLE TYPE UF 2-10 AWG GROUNDED LF
0010					
	CB1	SB1	77	--	77
	CB1	SB2	194	--	--
	CB1	SB3	248	--	--
	CB1	SB4	376	--	--
	CB1	SB5	327	--	327
	CB1	SB6	253	--	--
	CB1	SB7	244	--	--
	CB1	SB8	-	177	--
	CB1	SB9	84	--	--
CATEGORY 0010 TOTALS			1,803	177	404

NOTE:
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

TRAFFIC DETECTOR LOOP ITEMS

CATEGORY	LOOP NO.	HOME RUN PB	***STATION	***OFFSET	SIZE (FT) X (FT)	NO. OF TURNS	652.0800 CONDUIT LOOP DETECTOR LF	655.0700 LOOP DETECTOR LEAD IN CABLE LF	655.0800 LOOP DETECTOR WIRE LF
0010									
	11	PB7	100+29.72	54.31' RT	6'X20'	4	100	274	400
	12	PB7	100+28.81	82.32' RT	6'X20'	4	85	274	340
	21	PB14	100+02.63	45.13' LT	6'X20'	2	64	159	128
	22	PB14	100+16.26	61.71' LT	6'X20'	2	64	159	128
	23	PB14	100+16.55	89.68' LT	6'X20'	2	64	159	128
	24	PB15	100+21.03	312.38' LT	6'X10'	5	41	388	205
	41	PB10	99+37.61	6.22' RT	6'X20'	4	71	282	284
	42	PB10	99+07.91	5.86' RT	6'X20'	4	74	282	296
	43	PB11	96+85.49	5.43' RT	6'X10'	5	48	514	240
	51	PB17	100+29.54	61.37' LT	6'X20'	3	78	88	234
	52	PB17	100+30.16	89.31' LT	6'X20'	3	77	88	231
	61	PB4	100+42.84	54.74' RT	6'X20'	2	61	176	122
	62	PB4	100+55.83	54.73' RT	6'X20'	2	61	176	122
	63	PB4	100+41.96	82.77' RT	6'X20'	2	61	176	122
	64	PB6	100+37.37	306.59' RT	6'X10'	5	51	399	255
	81	PB1	100+98.81	7.24' LT	6'X20'	2	65	44	130
	82	PB1	101+26.88	7.11 LT	6'X20'	2	66	44	132
	83	PB2	103+51.29	6.75' LT	6'X10'	5	43	275	215
CATEGORY 0010 TOTALS							1,174	3,957	3,712

NOTES:

*** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

ALL LOCATIONS ARE OFF STSTEWART AVENUE ALIGNMENT.
LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
REFER TO SDD "LOOP DETECTOR PLACED IN CRUSHED AGGREGATE (NEW ASPHALTIC PAVEMENT)" FOR ADDITIONAL INFORMATION

ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG

CATEGORY	FROM	TO	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF
0010			
	CB1	SB1	76
	SB1	SB2	133
	SB2	SB3	160
	SB3	SB4	263
	SB4	SB5	112
	SB5	SB6	133
	SB6	SB7	49
	SB7	SB8	108
	SB9	CB1	84
	PB1	CB1	53
	PB3	SB2	37
	PB4	SB3	48
	PB5	SB3	76
	PB7	SB4	84
	PB8	SB4	30
	PB9	SB5	39
	PB12	SB6	37
	PB12	SB7	27
	PB13	SB8	28
	PB14	SB8	49
	PB16	SB9	28
	PB17	SB9	53
CATEGORY 0010 TOTAL			1,839

CABLE TRAFFIC SIGNAL ITEMS

CATEGORY	FROM	TO	655.0260* CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0270* CABLE TRAFFIC SIGNAL 15-14 AWG LF
0010				
	SB 1	HEAD 3	34	--
	SB1	HEAD 4	34	--
	SB2	HEAD 2	49	--
	SB3	HEAD 7	24	--
	SB3	HEAD 12	24	--
	SB4	HEAD 11	49	--
	SB5	HEAD 1	34	--
	SB5	HEAD 6	34	--
	SB5	HEAD 13	34	--
	SB6	HEAD 14	14	--
	SB7	HEAD 5	49	--
	SB8	HEAD 9	--	24
	SB8	HEAD 10	--	24
	SB8	HEAD 15	--	24
	SB9	HEAD 8	49	--
	SB9	HEAD 16	24	--
CATEGORY 0010 TOTALS			452	72

NOTE:
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ELECTRICAL WIRE LIGHTING ITEMS

CATEGORY	FROM	TO	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG LF
0010					
	SB1	LUMIN (1)	138	--	--
	SB5	LUMIN (1)	138	--	--
	PB128	LB50	--	150	450
	CB1	SB1	77	--	--
	CB1	SB5	327	--	--
CATEGORY 0010 TOTALS			680	150	450

3

TRAFFIC SIGNAL FACE ITEMS

CATEGORY	SIGNAL HEAD NO.	SIGNAL BASE NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0175 TRAFFIC SIGNAL FACE 5S 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
0010					
	1	SB5	1	--	--
	2	SB2	1	--	--
	3	SB1	1	--	--
	4	SB1	1	--	--
	5	SB7	1	--	--
	6	SB5	1	--	--
	7	SB3	--	1	--
	8	SB9	--	1	--
	9	SB8	--	1	--
	10	SB8	1	-	--
	11	SB4	--	1	--
	12	SB3	--	1	--
	13	SB5	--	--	1
	14	SB6	--	--	1
	15	SB8	--	--	1
	16	SB9	--	--	1
CATEGORY 0010 TOTALS			7	5	4

TRAFFIC SIGNAL EVP DETECTOR CABLE

CATEGORY	FROM	TO	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE LF
0010			
	CB1	SB1	79
CATEGORY 0010 TOTAL			79

POLE ITEMS

CATEGORY	SIGNAL BASE NO.	657.0100 PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0305 POLES TYPE 2 EACH	657.0315 POLES TYPE 4 EACH	657.0430 TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	657.0595 TROMBONE ARMS 25-FT EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH
0010								
	SB1	--	1	--	1	--	--	--
	SB2	--	1	1	--	--	1	--
	SB3	--	1	1	--	--	--	--
	SB4	--	1	1	--	--	1	--
	SB5	--	1	--	1	--	--	1
	SB6	1	-	--	--	1	--	1
	SB7	--	1	1	--	--	1	--
	SB8	--	1	1	--	--	--	1
	SB9	--	1	1	--	--	1	1
CATEGORY 0010 TOTALS		1	8	6	2	1	4	4

ELECTRICAL SERVICE METER BREAKER PEDESTAL

CATEGORY	LOCATION	656.0201.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL (STEWART AVENUE & S 72ND AVENUE) EACH
0010		
	STEWART AVENUE & S 72ND AVENUE	1
CATEGORY 0010 TOTAL		1

3

SIGNAL MOUNTING HARDWARE

CATEGORY	LOCATION	658.5070.01 SIGNAL MOUNTING HARDWARE (STEWART AVENUE & S 72ND AVENUE) EACH
0010		
	STEWART AVENUE & S 72ND AVENUE	1
CATEGORY 0010 TOTAL		1

LUMINAIRE ITEMS

CATEGORY	SIGNAL BASE NO.	657.0709 LUMINAIRE ARMS TRUSS TYPE 4-INCH CLAMP 12-FT EACH	659.1115 LUMINAIRES UTILITY LED A EACH
0010			
	SB1	1	1
	SB5	1	1
CATEGORY 0010 TOTALS		2	2

SAWING ITEMS

CATEGORY	STAGE	STATION	TO	STATION	OFFSET	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	COMMENTS
0010	1							
		101+75	-	103+25	LT & RT	48	40	TEMPORARY BYPASS
		77+50	-	80+00	LT & RT	314	153	S 48TH AVE
SUBTOTALS STAGE 1						362	193	
	2							
		96+75	-	98+35	RT	242	--	
		98+35	-	100+42	LT & RT	489	--	
		149+50	-	176+55	LT & RT	3,874	2,789	
		17+50	-	23+61	LT & RT	878	243	S 72ND AVE
SUBTOTALS STAGE 2						5,483	3,032	
	3							
		100+42	-	150+25	LT & RT	733	40	
		15+82	-	15+95	RT	43	--	S 72ND AVE LOOP
SUBTOTALS STAGE 3						776	40	
	4							
		19+17	-	23+61	LT & RT	809	35	S 72ND AVE
SUBTOTALS STAGE 4						809	35	
CATEGORY 0010 TOTALS						7,430	3,300	

3

SALVAGE TRAFFIC SIGNAL AND LIGHTING SYSTEM

CATEGORY	LOCATION	SPV.0060.05 SALVAGE TRAFFIC SIGNAL AND LIGHTING SYSTEM (STEWART AVENUE & S 72ND AVENUE) EACH
0010		
	STEWART AVENUE & S 72ND AVENUE	1
CATEGORY 0010 TOTAL		1

EMERGENCY VEHICLE PRE-EMPTION (EVP)

CATEGORY	LOCATION	SPV.0060.06 TRANSPORT AND INSTALL CITY FURNISHED EVP (STEWART AVENUE & S 72ND AVENUE) EACH
0010		
	STEWART AVENUE & S 72ND AVENUE TRAFFIC SIGNALS	1
CATEGORY 0010 TOTAL		1

TRAFFIC SIGNAL CONTROLLER AND CABINET

CATEGORY	LOCATION	SPV.0060.33 TRAFFIC SIGNAL CONTROLLER AND CABINET, FULLY ACTUATED 8-PHASE EACH
0010		
	STEWART AVENUE & S 72ND AVENUE	1
CATEGORY 0010 TOTAL		1

REMOVING SANITARY MANHOLES

CATEGORY	STAGE	STATION	OFFSET	204.9060.S.02 EACH
0020	2			
		152+63.0	RT	1
		157+15.0	RT	1
		161+08.0	RT	1
		165+12.0	RT	1
		168+35.0	RT	1
		170+35.0	RT	1
		173+92.0	RT	1
SUBTOTAL STAGE 2				7
	3			
		100+27.8	RT	1
SUBTOTAL STAGE 3				1
CATEGORY 0020 TOTAL				8

REMOVING SANITARY SEWER

CATEGORY	STAGE	FROM	TO	204.9090.S.01 15-INCH LF
0020	2			
		EXISTING MH AT STA. 152+60	EXISTING MH AT STA. 157+15	453
		EXISTING MH AT STA. 157+15	EXISTING MH AT STA. 161+07	392
		EXISTING MH AT STA. 161+07	EXISTING MH AT STA. 165+12	406
		EXISTING MH AT STA. 165+12	EXISTING MH AT STA. 168+35	323
		EXISTING MH AT STA. 168+35	EXISTING MH AT STA. 170+35	201
		EXISTING MH AT STA. 170+35	EXISTING MH AT STA. 173+92	357
		EXISTING MH AT STA. 173+92	MH AT STA. 176+84	293
SUBTOTAL STAGE 2				2,425
CATEGORY 0020 TOTAL				2,425

INSULATION BOARD POLYSTYRENE

CATEGORY	STAGE	STATION	OFFSET	-	STATION	OFFSET	612.0902.S.01 4-INCH SY
0020	2						
		150+23.3	15.2' RT	-	150+28.0	8.8' RT	4
		150+30.0	19.3' LT	-	150+30.0	27.3' LT	4
		150+37.0	6.0' RT	-	150+45.0	6.0' RT	4
		152+40.0	8.0' RT	-	152+40.0	16.0' RT	4
		152+40.3	20.6' LT	-	152+40.9	28.6' LT	4
		152+45.3	6.0' RT	-	152+53.3	6.0' RT	4
		152+99.4	56.0' LT	-	153+07.4	56.0' LT	4
		153+97.5	6.0' RT	-	154+05.5	6.0' RT	4
		154+18.4	6.0' RT	-	154+26.4	6.0' RT	4
		154+36.0	17.5' LT	-	154+44.0	17.5' LT	4
		155+46.0	17.5' LT	-	155+54.0	17.5' LT	4
		155+63.7	6.0' RT	-	155+71.7	6.0' RT	4
		156+47.0	17.5' LT	-	156+63.0	17.5' LT	4
		156+50.0	8.0' RT	-	156+50.0	16.0' RT	4
		157+11.6	6.0' RT	-	157+25.5	6.0' RT	8
		157+80.5	17.5' LT	-	158+20.5	17.5' LT	18
		158+01.0	8.0' RT	-	158+01.0	16.0' RT	4
		159+37.1	6.0' RT	-	159+45.1	6.0' RT	4
		160+50.0	21.5' LT	-	160+50.0	13.5' LT	4
		160+50.0	8.0' RT	-	160+50.0	16.0' RT	4
		162+40.0	6.0' RT	-	162+48.0	6.0' RT	4
		162+49.4	6.0' RT	-	162+57.4	6.0' RT	4
		165+50.0	26.1' LT	-	165+50.0	18.1' LT	4
		165+50.0	8.0' RT	-	165+50.0	16.0' RT	4
		166+77.8	6.0' RT	-	166+85.8	6.0' RT	4
		167+50.0	21.5' LT	-	167+50.0	13.5' LT	4
		167+50.0	8.0' RT	-	167+50.0	16.0' RT	4
		169+50.0	28.9' LT	-	169+50.0	20.9' LT	4
		169+50.0	8.0' RT	-	169+50.0	16.0' RT	4
		170+31.8	6.0' RT	-	170+39.8	6.0' RT	4
		171+48.9	31.6' LT	-	171+53.6	25.1' LT	4
		171+59.2	8.0' RT	-	171+59.2	16.0' RT	4
		172+13.9	17.5' LT	-	172+21.9	17.5' LT	4
		172+13.7	6.0' RT	-	172+21.7	6.0' RT	4
		172+13.6	17.5' RT	-	172+21.6	17.5' RT	4
		172+41.1	17.5' RT	-	172+49.1	17.5' RT	4
		172+50.0	32.1' LT	-	172+50.0	24.1' LT	4
		173+13.6	6.0' RT	-	173+21.6	6.0' RT	4
		176+09.5	30.2' LT	-	176+14.3	23.8' LT	4
		176+50.2	9.2' RT	-	176+51.3	17.2' RT	4
SUBTOTAL STAGE 2							178
	3						
		101+85.1	34.2' LT	-	101+88.2	26.8' LT	4
		102+07.2	18.2' RT	-	102+10.5	25.6' RT	4
		102+79.3	31.2' LT	-	102+95.3	31.3' LT	8
		107+62.1	17.5' LT	-	107+70.1	17.5' LT	4
		111+10.0	17.3' LT	-	111+26.3	17.4' LT	8
		112+47.8	35.7' RT	-	112+55.8	35.6' RT	4
		113+12.0	35.7' RT	-	113+20.0	35.6' RT	4
		119+01.3	56.3' LT	-	119+09.3	56.8' LT	4
		124+74.9	12.0' LT	-	124+75.0	4.0' RT	8
		127+24.9	12.0' LT	-	127+25.0	4.0' RT	8
		131+99.9	12.0' LT	-	131+99.9	4.0' RT	8
		134+49.9	12.0' LT	-	134+49.9	4.0' RT	8
		136+99.9	12.0' LT	-	136+99.9	4.0' RT	8
		139+44.4	12.0' LT	-	139+44.4	4.0' RT	8
		139+52.1	15.2' LT	-	139+59.8	13.0' LT	4
		142+00.0	17.5' LT	-	142+24.0	17.5' LT	11
		147+70.0	25.89' LT	-	147+70.0	17.9' LT	4
SUBTOTAL STAGE 3							107
CATEGORY 0020 TOTAL							285

ADJUSTING MANHOLE COVERS

CATEGORY	STAGE	STATION	OFFSET	611.8110* EACH
0020	5			
		99+99.4	49.1' LT	1
SUBTOTAL STAGE 5				1
CATEGORY 0020 TOTAL				1

NOTE:
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

UTILITY TRENCH ROCK EXCAVATION

CATEGORY	STAGE	STA	TO	STA	SPV.0035.01 CY
0020	3				
		126+00	-	127+50	32
		128+90	-	129+10	8
SUBTOTAL STAGE 3					40
CATEGORY 0020 TOTAL					40

3

ABANDONING SANITARY SEWER

CATEGORY	STAGE	LOCATION	FROM	TO	SPV.0035.02 CY
0020	2	STEWART AVE			
			MH AT STA. 176+84	EXISTING MH AT STA. 177+40	3
SUBTOTAL STAGE 2					3
	3				
			EXISTING MH AT STA. 100+28	SAN MH (46) STA. 119+10	26
SUBTOTAL STAGE 3					26
CATEGORY 0020 TOTAL					29

TEMPORARY WATER SERVICE

CATEGORY	LOCATION	SPV.0060.07 EACH
0020		
	PROJECT	1
CATEGORY 0020 TOTAL		1

ABANDONING SANITARY STRUCTURE

CATEGORY	STAGE	STATION	OFFSET	SPV.0060.08 EACH
0020	3			
		104+03	RT	1
		107+72	RT	1
		111+24	RT	1
		114+73	RT	1
		117+14	RT	1
		119+12	RT	1
SUBTOTAL STAGE 3				6
CATEGORY 0020 TOTAL				6

3

CONNECTING SANITARY SEWER

CATEGORY	STAGE	STRUCTURE	STATION	OFFSET	NO. OF EXISTING PIPES TO BE CONNECTED	SPV.0060.09 EACH	COMMENTS
0020	1	SAN MH (76)	78+16.0	30.4' RT	2	1	
SUBTOTAL STAGE 1						1	
	2						
		SAN MH (68)	170+36.0	11.8' RT	1	1	
SUBTOTAL STAGE 2						1	
	3						
		SAN MH (30)	100+27.8	27.5' RT	2	1	3 EXISTING PIPES, 1 TO BE ABANDONED
		SAN MH (34)	104+08.0	49.0' RT	1	1	2 EXISTING PIPES, 1 TO BE ABANDONED
		EX. SAN FM TEE	104+00.3	98.2' RT	1	1	EXISTING SANITARY FORCE MAIN TEE
		SAN MH (46)	119+10.0	0.0'	1	1	
SUBTOTAL STAGE 3						4	
CATEGORY 0020 TOTAL						6	

SANITARY SEWER MANHOLES AND COVERS

CATEGORY	STAGE	STATION	OFFSET	STRUCTURE	611.8120.S* COVER PLATES TEMPORARY EACH	SPV.0060.34 MANHOLES SANITARY 4-FT DIAMETER EACH	SPV.0060.10 MANHOLES SANITARY 5-FT DIAMETER EACH	SPV.0060.11 MANHOLES SANITARY 6-FT DIAMETER EACH	SPV.0060.12 SANITARY MANHOLE COVERS TYPE J-SPECIAL EACH
0020	1								
		176+83.9	13.4' RT	72	1	--	1	--	1
		078+54.4	18.6' LT	74	1	--	1	--	1
		078+08.7	28.3' RT	76	1	--	--	1	1
		101+00.4	46.4' RT	32	1	--	1	--	1
SUBTOTAL STAGE 1					4	--	3	1	4
	2								
		149+08.3	12.0' RT	58	1	--	1	--	1
		155+08.3	12.0' RT	60	1	--	1	--	1
		161+07.3	12.0' RT	62	1	--	1	--	1
		165+12.5	12.0' RT	64	1	--	1	--	1
		168+35.2	12.0' RT	66	1	--	1	--	1
		170+35.8	12.0' RT	68	1	--	1	--	1
		173+91.9	12.0' RT	70	1	--	1	--	1
SUBTOTAL STAGE 2					7	--	7	--	7
	3								
		100+27.8	27.6' RT	30	1	--	--	1	1
		104+05.7	90.17' RT	AIR RELEASE VALVE AND VAULT	1	--	--	--	--
		104+09.0	49.5' RT	34	1	--	1	--	1
		104+51.5	0.0'	36	1	1	--	--	1
		108+50.0	0.0'	38	1	1	--	--	1
		111+47.4	0.0'	40	1	1	--	--	1
		115+00.0	0.0'	42	1	1	--	--	1
		117+14.5	0.0'	44	1	1	--	--	1
		119+09.3	0.0'	46	1	1	--	--	1
		129+01.7	0.0'	48	1	--	--	1	1
		132+91.1	0.0'	50	1	--	1	--	1
		137+08.5	0.0'	52	1	--	1	--	1
		143+08.5	0.0'	54	1	--	1	--	1
SUBTOTAL STAGE 3					13	6	4	2	12
CATEGORY 0020 TOTALS					24	6	14	3	23

NOTE:
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

SANITARY SEWER PVC WYES

CATEGORY	STAGE	STATION	OFFSET	SPV.0060.13 EACH
0020	2			
		150+49.0	12.0' RT	1
		152+63.3	12.0' RT	1
		154+07.9	12.0' RT	1
		154+24.8	12.0' RT	1
		155+62.9	12.0' RT	1
		156+55.6	12.0' RT	1
		158+43.3	12.0' RT	1
		158+50.5	12.0' RT	1
		162+44.0	12.0' RT	1
		162+50.3	12.0' RT	1
		166+81.8	12.0' RT	1
		172+45.2	12.0' RT	1
		173+17.8	12.0' RT	1
SUBTOTAL STAGE 2				13
	3			
		105+64.9	0.0'	1
		106+32.2	0.0'	1
		107+67.7	0.0'	1
		109+08.1	0.0'	1
		109+89.9	0.0'	1
		111+22.9	0.0'	1
		111+87.4	0.0'	1
		113+40.2	0.0'	1
		114+28.6	0.0'	1
		115+60.9	0.0'	1
SUBTOTAL STAGE 3				10
CATEGORY 0020 TOTAL				23

SANITARY SEWER FORCE MAIN CLEANOUT

CATEGORY	STAGE	STATION	OFFSET	SPV.0060.14 EACH
0020	3			
		104+31.8	60.04' RT	1
SUBTOTAL STAGE 3				1
CATEGORY 0020 TOTAL				1

SANITARY SEWER FORCE MAIN

CATEGORY	STAGE	STATION	OFFSET	TO	STATION	OFFSET	SPV.0090.08 12-INCH LF	COMMENTS
0020	3							
		104+00.3	98.2' RT	-	104+00.3	95.4' RT	3	EXISTING CONNECTION TO SB-104.1
		104+00.3	95.4' RT	-	104+35.9	61.0' RT	50	SB-104.1 TO SB-104.2
		104+35.9	61.0' RT	-	104+32.0	38.1' RT	28	SB-104.2 TO SB-104.3
		104+32.0	38.1' RT	-	104+56.3	9.7' RT	31	SB-104.3 TO SB-104.4
		104+56.3	9.7' RT	-	111+00.1	8.0' RT	644	SB-104.4 TO PIPE DEFLECTION
		111+00.1	8.0' RT	-	114+92.9	8.0' RT	393	PIPE DEFLECTION TO SB-114
		114+92.9	8.0' RT	-	115+57.9	4.6' RT	66	SB-114 TO SB-115
		115+57.9	4.6' RT	-	119+13.1	4.3' RT	356	SB-115 TO SB-119.1
		119+13.1	4.3' RT	-	119+76.0	0.0'	63	SB-119.1 TO SB-119.2
		119+76.0	0.0'	-	129+01.7	0.0'	926	SB-119.2 TO MH (48), TERMINI
SUBTOTAL STAGE 3							2,560	
CATEGORY 0020 TOTAL							2,560	

3

SANITARY SEWER PIPE AND STEEL CASING ITEMS

CATEGORY	STAGE	FROM	TO	SPV.0090.05 SANITARY SEWER 8-INCH LF	SPV.0090.06 SANITARY SEWER 15-INCH LF	SPV.0090.07 SANITARY SEWER 21-INCH LF	SPV.0090.01 BORE AND JACK STEEL CASING PIPE 24-INCH LF	SPV.0090.09 SANITARY SEWER 15-INCH IN CASING LF	COMMENTS
0020	1								
		32	WEST BORING PIT (EAST END)	--	159	--	--	--	CENTER OF STRUCTURE TO EAST END OF WEST BORING PIT
		WEST BORING PIT (EAST END)	EAST BORING PIT (WEST END)	--	--	--	38	38	
		EAST BORING PIT (WEST END)	34	--	112	--	--	--	WEST END OF EAST BORING PIT TO CENTER OF STRUCTURE
		74	76	--	--	65	--	--	
SUBTOTAL STAGE 1				--	271	65	38	38	
	2								
		60	62	--	--	599	--	--	
		62	64	--	--	405	--	--	
		64	66	--	--	323	--	--	
		66	68	--	--	201	--	--	
		68	70	--	--	356	--	--	
		70	72	--	--	292	--	--	
		72	74	--	--	138	--	--	
SUBTOTAL STAGE 2				--	--	2,314	--	--	
	3								
		30	32	--	75	--	--	--	
		34	36	65	--	--	--	--	
		36	38	398	--	--	--	--	
		38	40	297	--	--	--	--	
		40	42	353	--	--	--	--	
		42	44	214	--	--	--	--	
		44	46	195	--	--	--	--	
		48	50	--	--	389	--	--	
		50	52	--	--	417	--	--	
		52	54	--	--	600	--	--	
		54	58	--	--	600	--	--	
		58	60	--	--	600	--	--	
SUBTOTAL STAGE 3				1,522	75	2,606	--	--	
CATEGORY 0020 TOTALS				1,522	346	4,985	38	38	

SANITARY SEWER LATERALS

CATEGORY	STAGE	STATION	OFFSET	SPV.0090.10 LF
0020	2			
		150+49.0	RT	37
		152+63.3	RT	38
		154+07.9	RT	37
		154+24.8	RT	37
		155+62.9	RT	36
		156+55.6	RT	36
		158+43.4	RT	35
		158+50.5	RT	35
		162+44.0	LT	72
		162+50.3	RT	37
		166+81.8	LT	74
		172+45.2	RT	32
		173+18.1	LT	72
SUBTOTAL STAGE 2				578
	3			
		105+64.9	RT	56
		106+32.2	RT	56
		107+67.7	LT	48
		109+08.1	RT	56
		109+89.9	RT	55
		111+22.9	LT	50
		111+87.4	RT	54
		113+40.2	RT	52
		114+28.6	RT	51
		115+60.9	RT	50
SUBTOTAL STAGE 3				528
CATEGORY 0020 TOTAL			**TOTAL**	1,106

CONNECTING WATER MAIN

CATEGORY	STAGE	STRUCTURE	STATION	OFFSET	SPV.0060.15 EACH
0020	2				
		WGV-156.1	156+77.3	21.7' LT	1
		WT-156	156+81.2	21.7' LT	1
		WGV-161.1	161+51.1	20.6' LT	1
		WT-161	161+55.2	20.6' LT	1
		WGV-166.1	166+00.2	22.5' LT	1
		WT-166	166+03.8	22.6' LT	1
SUBTOTAL STAGE 2					6
	3				
		WT-104	104+21.2	49.7' RT	1
		WT-119	119+05.0	8.0' LT	1
		EX WGV	139+55.5	44.9' RT	1
		EX WM	139+68.7	19.5' LT	1
		WGV-142.1	142+34.9	19.8' LT	1
		WT-142	142+38.3	19.9' LT	1
		WGV-146.1	146+74.1	21.5' LT	1
		WT-146	146+78.1	21.6' LT	1
SUBTOTAL STAGE 3					8
CATEGORY 0020 TOTAL					14

WATER MAIN REDUCER ITEMS

CATEGORY	STAGE	STATION	OFFSET	SPV.0060.22 8X6-INCH REDUCER EACH	SPV.0060.23 12X10-INCH REDUCER EACH	COMMENTS
0020	2					
		156+81.4	36.5' LT	1	--	WR-156
		161+55.5	36.5' LT	1	--	WR-161
		166+04.1	36.5' LT	1	--	WR-166
SUBTOTAL STAGE 2				3	--	
	3					
		119+09.4	8' LT	--	1	WR-119
		124+89.0	36.4' LT	1	--	WR-124
		130+86.2	36.4' LT	1	--	WR-130
		136+81.4	36.6' LT	1	--	WR-136
		142+38.5	36.5' LT	1	--	WR-142
		146+78.3	36.6' LT	1	--	WR-146
SUBTOTAL STAGE 3				5	1	
CATEGORY 0020 TOTALS				8	1	

UTILITY BEND ITEMS

CATEGORY	STAGE	STATION	OFFSET	SPV.0060.20 12-INCH 11.25 DEGREE BEND EACH	SPV.0060.21 12-INCH 45 DEGREE BEND EACH	SPV.0060.35 14-INCH 45 DEGREE BEND EACH	COMMENTS
0020	3						
		104+00.3	95.4' RT	--	1	--	SB-104.1
		104+35.9	61.0' RT	--	1	--	SB-104.2
		104+36.2	33.2' RT	--	1	--	SB-104.3
		104+56.3	9.7' RT	--	1	--	SB-104.4
		114+92.9	8.0' RT	1	--	--	SB-114
		115+57.9	4.6' RT	1	--	--	SB-115
		119+13.1	4.3' RT	1	--	--	SB-119.1
		119+76.0	0.0'	1	--	--	SB-119.2
		139+55.9	10.4' LT	--	--	1	WB-139.1
		139+55.9	13.7' LT	--	--	1	WB-139.2
		139+55.9	16.5' LT	--	--	1	WB-139.3
		139+58.9	19.5' LT	--	--	1	WB-139.4
SUBTOTAL STAGE 3				4	4	4	
CATEGORY 0020 TOTALS				4	4	4	

WATER MAIN TEE ITEMS

CATEGORY	STAGE	STATION	OFFSET	SPV.0060.16 10X10X10-INCH TEE EACH	SPV.0060.17 12X12X8-INCH TEE EACH	SPV.0060.18 14X14X8-INCH TEE EACH	SPV.0060.19 14X14X12-INCH TEE EACH	COMMENTS
0020	2							
		156+81.2	21.7 LT	--	--	1	--	WT-156
		161+55.2	20.6 LT	--	--	1	--	WT-161
		166+03.8	22.6' LT	--	--	1	--	WT-166
SUBTOTAL STAGE 2				--	--	3	--	
	3							
		104+21.2	49.7' RT	--	--	1	--	WT-104
		119+05.0	8' LT	1	--	--	--	WT-119
		124+88.9	8' LT	--	1	--	--	WT-124
		130+86.0	8' LT	--	1	--	--	WT-130
		136+81.3	8' LT	--	1	--	--	WT-136
		139+55.9	8' LT	--	--	--	1	WT-139
		142+38.3	19.9' LT	--	--	1	--	WT-142
		146+78.1	21.6' LT	--	--	1	--	WT-146
SUBTOTAL STAGE 3				1	3	3	1	
CATEGORY 0020 TOTALS				1	3	6	1	

WATER LATERALS

CATEGORY	STAGE	STATION	OFFSET	SPV.0090.13 LF
0020	2			
		150+41.2	RT	69
		152+50.1	RT	70
		154+01.1	RT	69
		154+22.3	RT	69
		155+67.6	RT	68
		157+11.5	RT	67
		157+21.5	RT	67
		157+60.4	LT	46
		159+40.5	RT	66
		162+52.0	LT	35
		162+53.5	RT	66
		166+89.8	LT	33
		171+52.3	LT	30
		172+17.4	RT	71
		173+20.6	LT	31
		175+25.4	LT	33
SUBTOTAL STAGE 2				890
	3			
		105+72.7	RT	33
		106+35.7	RT	33
		107+67.0	LT	67
		109+12.8	RT	33
		109+90.6	RT	34
		111+13.9	LT	69
		112+52.1	RT	31
		113+16.4	RT	30
		114+09.1	RT	32
		115+51.0	RT	34
SUBTOTAL STAGE 3				396
CATEGORY 0020 TOTAL				1,286

UTILITY VALVE & VALVE BOX ITEMS

CATAEGORY	STAGE	STATION	OFFSET	SPV.0060.24 8-INCH VALVE & VALVE BOX EACH	SPV.0060.25 12-INCH VALVE & VALVE BOX EACH	SPV.0060.26 14-INCH VALVE & VALVE BOX EACH	COMMENTS
0020	2						
		156+77.3	21.7' LT	--	--	1	WGV-156.1
		156+81.4	34.0' LT	1	--	--	WGV-156.2
		161+51.1	20.6' LT	--	--	1	WGV-161.1
		161+55.4	33.9' LT	1	--	--	WGV-161.2
		166+00.2	22.5' LT	--	--	1	WGV-166.1
		166+04.0	34.0' LT	1	--	--	WGV-166.2
SUBTOTAL STAGE 2				3	--	3	
	3						
		104+23.9	48.3' RT	1	--	--	WGV-104
		104+36.1	43.1' RT	--	1	--	SGV-104
		119+21.6	8.0' LT	--	1	--	WGV-119
		124+89.0	33.8' LT	1	--	--	WGV-124.1
		124+91.9	8.0' LT	--	1	--	WGV-124.2
		130+83.0	8.0' LT	--	1	--	WGV-130.1
		130+86.2	34.0' LT	1	--	--	WGV-130.2
		136+78.3	8.0' LT	--	1	--	WGV-136.1
		136+81.3	34.0' LT	1	--	--	WGV-136.2
		139+51.4	8.0' LT	--	1	--	WGV-139.1
		139+55.8	3.7' LT			1	WGV-139.2
		142+34.9	19.8' LT	--	--	1	WGV-142.1
		142+38.4	34.0' LT	1	--	--	WGV-142.2
		146+74.1	21.5' LT	--	--	1	WGV-146.1
		146+78.2	34.0' LT	1	--	--	WGV-146.2
SUBTOTAL STAGE 3				6	6	3	
CATEGORY 0020 TOTALS				9	6	6	

STANDARD HYDRANT

CATEGORY	STAGE	STATION	OFFSET	SPV.0060.27 EACH	COMMENTS
0020	2				
		156+81.4	39.0' LT	1	FH-156
		161+55.5	39.0' LT	1	FH-161
		166+04.1	38.9' LT	1	FH-166
SUBTOTAL STAGE 2				3	
	3				
		104+26.5	46.9' RT	1	FH-104
		124+89.1	38.9' LT	1	FH-124
		130+86.2	39.0' LT	1	FH-130
		136+81.5	39.0' LT	1	FH-136
		142+38.4	38.9' LT	1	FH-142
		146+78.3	39.0' LT	1	FH-146
SUBTOTAL STAGE 3				6	
CATEGORY 0020 TOTAL				9	

SALVAGING HYDRANT

CATEGORY	STAGE	STATION	OFFSET	SPV.0060.32 EACH
0020	3			
		104+47.7	87.4' RT	1
SUBTOTAL STAGE 3				1
CATEGORY 0020 TOTAL				1

ADJUSTING CURB STOP

CATEGORY	STAGE	STATION	OFFSET	SPV.0060.36 EACH
0020	2			
		152+49.6	RT	1
		155+67.5	RT	1
		157+14.3	RT	1
		162+53.5	RT	1
		171+52.3	LT	1
		172+17.2	RT	1
		173+18.8	LT	1
		175+26.3	LT	1
SUBTOTAL STAGE 2				8
	3			
		105+73.1	RT	1
		106+35.7	RT	1
		107+67.0	LT	1
		109+11.5	RT	1
		109+90.8	RT	1
		111+14.1	RT	1
		113+16.2	RT	1
		114+09.1	RT	1
		115+51.5	RT	1
SUBTOTAL STAGE 3				9
CATEGORY 0020 TOTAL				17

AIR RELEASE VALVE AND VAULT

CATEGORY	STAGE	STATION	OFFSET	SPV.0060.29 EACH
0020	3			
		104+05.7	90.2' RT	1
SUBTOTAL STAGE 3				1
CATEGORY 0020 TOTAL				1

PIPE BOLLARD

CATEGORY	STAGE	STATION	OFFSET	SPV.0060.31 EACH
0020	3			
		104+32.0	58.2' RT	1
		104+40.0	57.9' RT	1
SUBTOTAL STAGE 3				2
CATEGORY 0020 TOTAL				2

ADJUSTING VALVE BOX

CATEGORY	STAGE	STATION	OFFSET	SPV.0060.30 EACH
0020	1			
		79+60.8	22.1' LT	1
SUBTOTAL STAGE 1				1
	2			
		152+73.2	24.3' LT	1
		153+02.9	26.3' LT	1
		170+44.3	28.4' LT	1
		171+65.7	29.6' LT	1
		175+69.5	27.0' LT	1
SUBTOTAL STAGE 2				5
	3			
		100+14.2	30.3' LT	1
		100+48.9	37.3' RT	1
		100+53.2	18.0' RT	1
		104+13.5	26.7' RT	1
		104+15.2	23.0' RT	1
		104+26.8	24.9' RT	1
		108+48.0	42.8' RT	1
		114+04.3	18.0' RT	1
		114+12.1	34.3' RT	1
		118+95.9	17.7' RT	1
		119+04.9	9.1' RT	1
		139+55.5	44.9' RT	1
SUBTOTAL STAGE 3				12
CATEGORY 0020 TOTAL				18

WATER MAIN ITEMS

CATEGORY	STAGE	STATION	OFFSET	TO	STATION	OFFSET	SPV.0090.11 8-INCH DI WATER MAIN LF	SPV.0090.12 12-INCH DI WATER MAIN LF	SPV.0090.14 14-INCH DI WATER MAIN LF	COMMENTS
0020	2									
		156+81.4	39.0' LT	-	156+81.2	21.7' LT	20	--	--	FH-156 LEAD (REDUCER TO TEE)
		161+55.5	39.0' LT	-	161+55.2	20.6' LT	21	--	--	FH-161 LEAD (REDUCER TO TEE)
		166+04.1	38.9' LT	-	166+03.8	22.6' LT	19	--	--	FH-166 LEAD (REDUCER TO TEE)
SUBTOTAL STAGE 2							60	--	--	
	3									
		104+21.2	49.7' RT		104+25.2	47.6' RT	4	--	--	FH-104 LEAD (REDUCER TO TEE)
		119+05.1	8.0' LT	-	124+88.9	8.0' LT	--	584	--	WT-119 CONNECTION TO FH-124 LEAD
		124+89.1	38.9' LT	-	124+88.9	8.0' LT	31	--	--	FH-124 LEAD (REDUCER TO TEE)
		124+88.9	8.0' LT	-	130+86.0	8.0' LT	--	598	--	FH-124 LEAD TO FH-130 LEAD
		130+86.2	39.0' LT	-	130+86.0	8.0' LT	31	--	--	FH-130 LEAD (REDUCER TO TEE)
		130+86.0	8.0' LT	-	136+81.3	8.0' LT	--	596	--	FH-130 LEAD TO FH-136 LEAD
		136+81.5	39.0' LT	-	136+81.3	8.0' LT	31	--	--	FH-136 LEAD (REDUCER TO TEE)
		136+81.3	8.0' LT	-	139+55.9	8.0' LT	--	275	--	FH-136 LEAD TO WT-139 CONNECTION
		139+55.5	44.9' RT	-	139+55.8	3.7' LT	--	--	49	CONNECT TO EXISTING (EX WGV) TO WGV-139.2
		139+55.8	3.7' LT	-	139+55.9	8.0' LT	--	--	4	WGV-139.2 TO WT-139
		139+55.9	8.0' LT	-	139+55.9	10.4' LT	--	--	3	WT-139 TO WB-139.1
		139+55.9	10.4' LT	-	139+55.9	13.7' LT	--	--	5	WB-139.1 TO WB-139.2
		139+55.9	13.7' LT	-	139+55.9	16.5' LT	--	--	3	WB-139.2 TO WB-139.3
		139+55.9	16.5' LT	-	139+58.9	19.5' LT	--	--	4	WB-139.3 TO WB-139.4
		139+58.9	19.5' LT	-	139+68.7	19.5' LT	--	--	10	WB-139.4 TO CONNECT TO EXISTING (EX WM)
		142+38.4	38.9' LT	-	142+38.3	19.9' LT	22	--	--	FH-142 LEAD (REDUCER TO TEE)
		146+78.3	39.0' LT	-	146+78.1	21.6' LT	20	--	--	FH-146 LEAD (REDUCER TO TEE)
SUBTOTAL STAGE 3							139	2,053	78	
CATEGORY 0020 TOTALS							199	2,053	78	

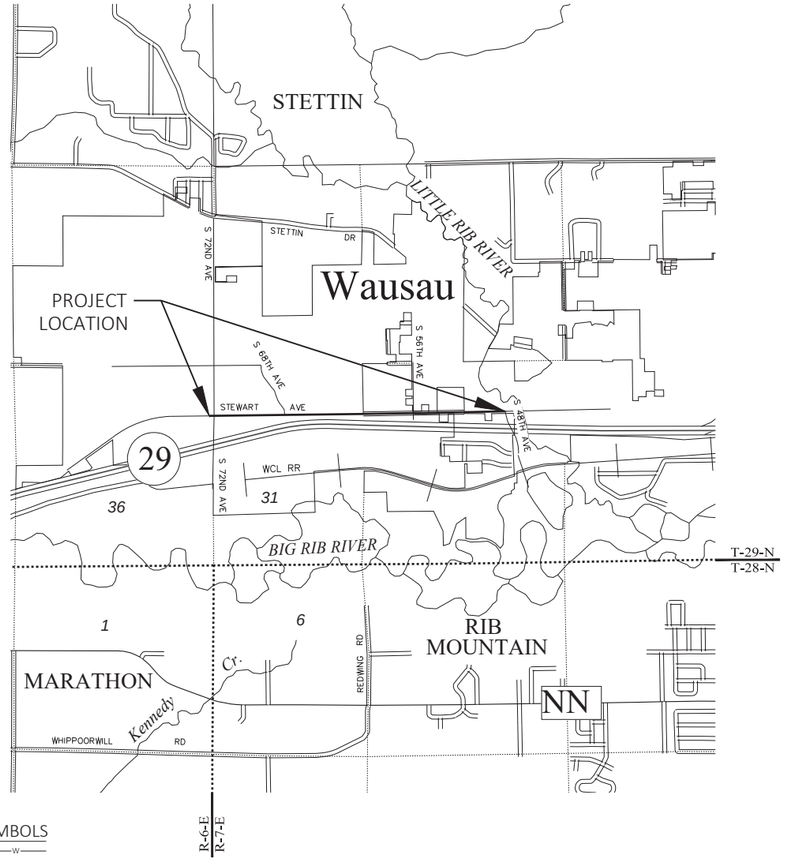
ADJUSTING HYDRANT

CATEGORY	STAGE	STATION	OFFSET	SPV.0060.28 EACH
0020	1			
		79+55.1	51.6' LT	1
SUBTOTAL STAGE 1				1
	2			
		152+73.9	65.1' LT	1
		171+65.7	44.1' LT	1
SUBTOTAL STAGE 2				2
	3			
		108+47.9	45.1' RT	1
		114+12.0	37.4' RT	1
		118+96.6	34.9' RT	1
SUBTOTAL STAGE 3				3
CATEGORY 0020 TOTAL				6

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE MARATHON COUNTY REGISTER OF DEEDS OFFICE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
6999-09-02
C WAUSAU, STEWART AVENUE
S 72ND AVENUE TO S 48TH AVENUE
LOC STR
MARATHON COUNTY





LAYOUT
SCALE 0 2,000 FT.

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
TO BE REMOVED
BRIDGE
CULVERT

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED) IP
OFF-PREMISE SIGN

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS RESTRICTED 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

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT OF WAY	R/W
COUNTY	CO	SECTION	SEC
COUNTY TRUNK HIGHWAY	CTH	SEPTIC VENT	SEPV
DISTANCE	DIST	SQUARE FEET	SF
CORNER	COR	STATE TRUNK HIGHWAY	STH
DOCUMENT NUMBER	DOC	STATION	STA
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
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		
POINT OF CURVATURE	PC		

CURVE DATA ABBREVIATIONS

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
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
ELECTRIC TOWER	

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 6999-09-02

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MARATHON 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.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" 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 PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) 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.

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 CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE CITY OF WAUSAU OR THE TOWN OF STETTIN.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TPP DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE TPP DETAIL PAGES.

PROJECT NUMBER 6999-09-02 - 4. 01
SHEET 2 OF 3
AMENDMENT NO:

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\TPP\040100-RP.DWG
LAYOUT NAME: 01
PLOT DATE : 9/16/2015 3:04 PM PLOT BY : DREW NELSON PLOT NAME : _____
10/26/2022
6999-09-02-4.01

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE MARATHON COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 6999-09-02-4.01

THAT PART OF LOT 1 OF CSM 1159 LOCATED IN PART OF THE SE1/4 OF THE NE1/4 OF SECTION 36, TOWNSHIP 29 NORTH, RANGE 6 EAST, PART OF LOT 1 OF CSM 17539 LOCATED IN PART OF THE NE1/4 OF THE NE1/4 OF SECTION 36, TOWNSHIP 29 NORTH, RANGE 6 EAST, PART LOT 1 OF CSM 4281, PART OF OUTLOT 1 OF CSM 12575, PART OF LOT 1 OF CSM 4787 AND PART OF LOT 1 OF CSM 4767 LOCATED IN PART OF THE N1/2 OF THE FRACTIONAL NW1/4 OF SECTION 31, TOWNSHIP 29 NORTH, RANGE 7 EAST, PART OF PARCEL A OF CSM 6176, PART OF LOT 1 OF CSM 609, PART OF LOT 1 OF CSM V. 1 P. 250, PART OF LOTS 1 AND 2 OF CSM 9120, PART OF LOT 1 OF CSM 4168, PART OF LOT 1 OF CSM 393, PART OF LOT 1 OF CSM 394 AND LOT 1 OF CSM 14275 LOCATED IN PART OF THE S1/2 OF THE FRACTIONAL NW1/4 OF SECTION 31, TOWNSHIP 29 NORTH, RANGE 7 EAST, ALL IN CITY OF WAUSAU, MARATHON COUNTY, WISCONSIN.

RELOCATION ORDER - LOC STR, C WAUSAU, STEWART AVENUE (S 72ND AVENUE TO S 48TH AVENUE), MARATHON COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF WAUSAU 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 62.22, WISCONSIN STATUTES, THE CITY OF WAUSAU 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 CITY OF WAUSAU FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF WAUSAU, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

ALL TLES ARE FOR SLOPE GRADING PURPOSES

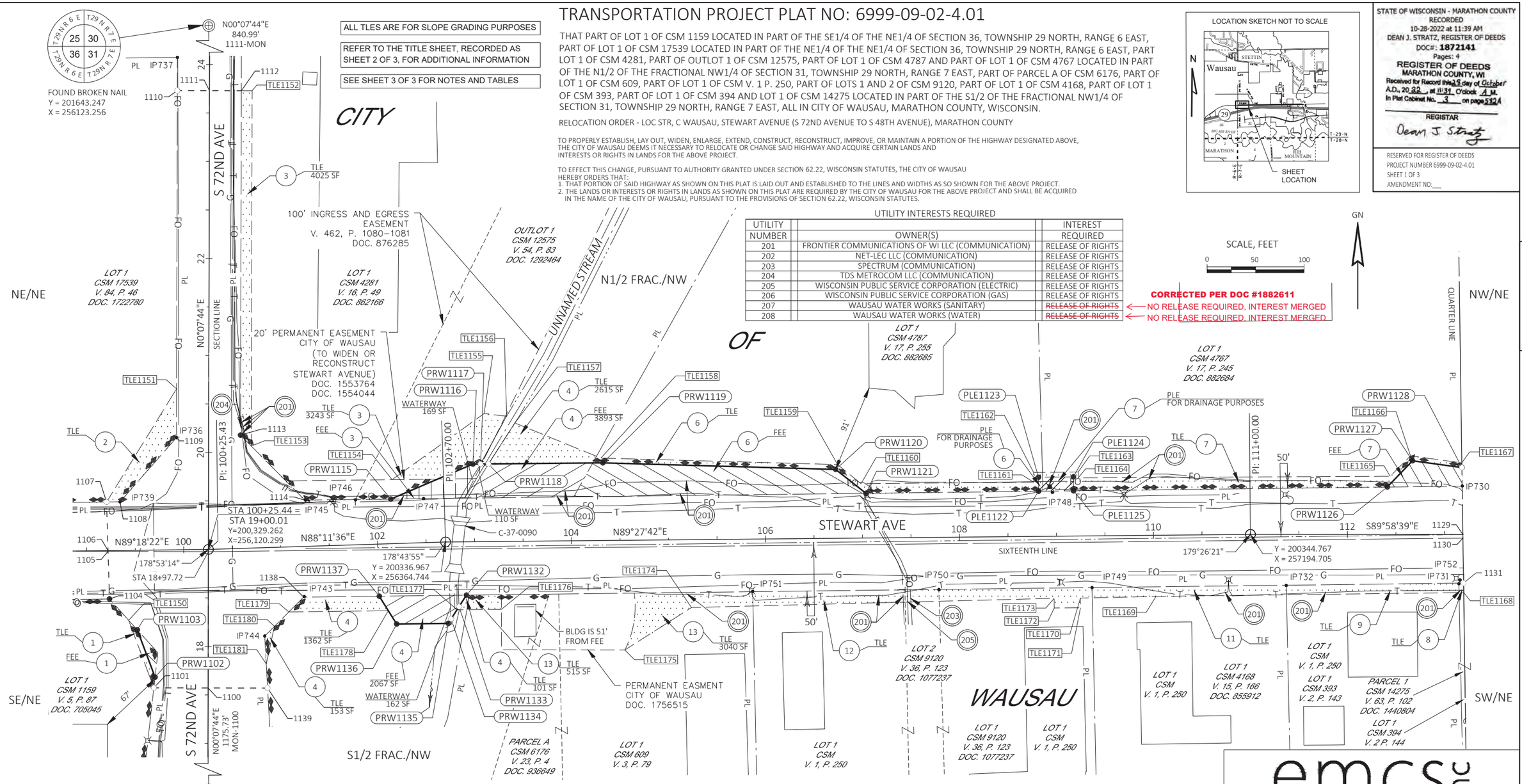
REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, FOR ADDITIONAL INFORMATION

SEE SHEET 3 OF 3 FOR NOTES AND TABLES

LOCATION SKETCH NOT TO SCALE

STATE OF WISCONSIN - MARATHON COUNTY
RECORDED
10-28-2022 at 11:39 AM
DEAN J. STRATZ, REGISTER OF DEEDS
DOC#: 1872141
Pages: 4
REGISTER OF DEEDS
MARATHON COUNTY, WI
Received for Record this 28 day of October A.D., 20 22, at 11:31 O'clock A M.
In Plat Cabinet No. 3 on page 532A
REGISTAR
Dean J. Stratz

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6999-09-02-4.01
SHEET 1 OF 3
AMENDMENT NO:___



UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)	RELEASE OF RIGHTS
202	NET-LEC LLC (COMMUNICATION)	RELEASE OF RIGHTS
203	SPECTRUM (COMMUNICATION)	RELEASE OF RIGHTS
204	TDS METROCOM LLC (COMMUNICATION)	RELEASE OF RIGHTS
205	WISCONSIN PUBLIC SERVICE CORPORATION (ELECTRIC)	RELEASE OF RIGHTS
206	WISCONSIN PUBLIC SERVICE CORPORATION (GAS)	RELEASE OF RIGHTS
207	WAUSAU WATER WORKS (SANITARY)	~~RELEASE OF RIGHTS~~ ← NO RELEASE REQUIRED, INTEREST MERGED
208	WAUSAU WATER WORKS (WATER)	~~RELEASE OF RIGHTS~~ ← NO RELEASE REQUIRED, INTEREST MERGED

CORRECTED PER DOC #1882611

SCALE, FEET
0 50 100

GN

(201) FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)
VOL. 66 PG. 561 DOC. 604190 - PAR. 2, 3, 4, 6, 7 & 8
VOL. 155 PG. 286 DOC. 645939 - PAR 9
VOL. 155 PG. 604 DOC. 646161 - PAR 11, 12 & 13
VOL. 158 PG. 567 DOC. 647598 - PAR. 8
VOL. 440 PG. 101 DOC. 859525 - PAR. 13
VOL. 578 PG. 187 DOC. 959612 - PAR. 7

(202) NET-LEC LLC (COMMUNICATION)
DOC. 1607184 - PAR 12

(203) SPECTRUM (COMMUNICATION)
NO RECORD OF EASEMENT - PAR. 12

(204) TDS METROCOM LLC (COMMUNICATION)
NO RECORD OF EASEMENT - PAR. 3

(205) WISCONSIN PUBLIC SERVICE CORPORATION (ELECTRIC)
NO RECORD OF EASEMENT - PAR. 12
DOC. 1770320 - PAR 13

(207) WAUSAU WATER WORKS (SANITARY)
DOC. 1756515 - PAR 13

(208) WAUSAU WATER WORKS (WATER)
DOC. 1756515 - PAR 13

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY OF WAUSAU.

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	R/W SF REQUIRED NEW	EXISTING	TOTAL	PLE SF	TLE SF
1	MARATHON COUNTY, A WISCONSIN MUNICIPAL CORPORATION	FEE/TLE	301	---	301	---	313
2	APOGEE WAUSAU GROUP, INC., A WISCONSIN CORPORATION	TLE	---	---	---	---	2264
3	KINGSPAN LIGHT & AIR LLC, A DELAWARE LIMITED LIABILITY COMPANY	FEE/TLE	1556	---	1556	---	7268
4	CITY OF WAUSAU, A WISCONSIN MUNICIPALITY	FEE/TLE	5960	---	5960	---	4231
6	BADGER HOUSING ASSOCIATES III, A WISCONSIN CO-PARTNERSHIP	FEE/PLE/TLE	8254	---	8254	63	3247
7	OSHCON CORPORATION, A WISCONSIN CORPORATION	FEE/PLE/TLE	1521	---	1521	455	4586
8	WTH 9, LLC, A WISCONSIN LIMITED LIABILTY COMPANY	TLE	---	---	---	---	47
9	BRIAN LUEDTKE PROPERTIES, LLC. A WISCONSIN LIMITED LIABILITY COMPANY	TLE	---	---	---	---	1746
11	INDUSTRIAL TOWEL AND UNIFORM, INC., A WISCONSIN CORPORATION	TLE	---	---	---	---	1997
12	RUTH A. VAN ERT, LLC, A SOUTH DAKOTA LIMITED LIABILITY COMPANY	TLE	---	---	---	---	4622
13	DP REAL ESTATE LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	---	---	---	---	3555

emcs.inc

I, KEVIN C. BOYER 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 CITY OF WAUSAU I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C Boyer DATE: 10/28/2022
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF WAUSAU

SIGNATURE: Katie Rosenberg DATE: 10/28/2022
PRINT NAME: Katie Rosenberg

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 10/26/2022
PLOT DATE : 10/27/2022 8:48 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE :

6999-09-02-4.01

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE MARATHON COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 6999-09-02-4.01
EXTENSION SHEET

RELOCATION ORDER - LOC STR, C WAUSAU, STEWART AVENUE (S 72ND AVENUE TO S 48TH AVENUE), MARATHON COUNTY

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MARATHON COUNTY, NAD83 (2011) IN US 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"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STEWART AVE: R/W PLAT T 020-2(13), R/W PLAT 1053-06-21, CSM V. 1 P. 250, CSM 393, CSM 394, CSM 609, CSM 1159, CSM 4168, CSM 4281, CSM 4767, CSM 4787, CSM 6176, CSM 9120, CSM 12575, CSM 14275, CSM 17539, AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR S 72ND AVE: R/W PLAT T 020-2(13), R/W PLAT 1053-06-21, CSM 1159, CSM 4281, CSM 17539, AND EXISTING CENTERLINE.

EXISTING ACCESS CONTROL ALONG STEWART AVE HAS BEEN ESTABLISHED FROM R/W PLAT T 020-2(13), R/W PLAT 1053-06-21, DOCUMENT 866506, DOCUMENT 886119, DOCUMENT 902560. DOCUMENT 929270, DOCUMENT 10530621, DOCUMENT 1120662, AND DOCUMENT 1140608.

EXISTING ACCESS CONTROL ALONG S 72ND AVE AVE HAS BEEN ESTABLISHED FROM R/W PLAT T 020-2(13), R/W PLAT 1053-06-21, AND DOCUMENT 10530621.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE CITY OF WAUSAU.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, FOR ADDITIONAL INFORMATION

4

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP730	200394.716	257413.049	1-1/4" O.D. IRON PIPE
IP731	200293.956	257409.569	7/8" IRON ROD
IP732	200292.063	257231.624	1-1/4" O.D. IRON PIPE
IP736	200444.574	256087.313	1-1/2" O.D. CAPPED PIPE
IP737	200836.590	256088.283	3/4" REBAR
IP739	200378.266	256029.114	1-1/2" O.D. IRON PIPE
IP743	200280.578	256219.156	1-1/2" O.D. CAPPED PIPE
IP744	200239.960	256178.372	1-1/2" O.D. CAPPED PIPE
IP745	200380.062	256220.344	1-1/4" O.D. IRON PIPE
IP746	200380.325	256271.953	1-1/4" O.D. PIPE BENT SW
IP747	200381.672	256342.092	3/4" IRON ROD
IP748	200388.055	256990.493	BROKEN FENCE POST
IP749	200289.814	257031.382	1-1/4" O.D. IRON PIPE
IP750	200287.853	256873.465	1-1/4" O.D. IRON PIPE
IP751	200285.966	256681.486	1-1/4" O.D. IRON PIPE
IP752	200297.679	257410.861	2-1/2" O.D. IRON PIPE

COURSE TABLE		
COURSE	BEARING	DISTANCE
1100-1101	N89° 52' 16"W	55.95'
1101-PRW1102	N06° 27' 35"E	11.09'
PRW1102-PRW1103	N20° 36' 33"W	52.12'
PRW1103-1104	N41° 57' 40"W	42.81'
1104-1105	N01° 44' 34"W	49.17'
1105-1106	N01° 44' 34"W	0.66'
1106-1107	N01° 44' 34"W	50.19'
1107-1108	N89° 17' 15"E	13.91'
1108-1109	N41° 17' 40"E	88.17'
1109-1110	N00° 08' 21"E	357.76'
1110-1111	S89° 51' 39"E	33.13'
1111-1112	S89° 51' 39"E	32.87'
1112-1113	S00° 08' 21"W	355.06'
1113-1114	S44° 42' 25"E	94.26'
1114-PRW1115	N89° 18' 27"E	88.65'
PRW1115-PRW1116	N66° 56' 36"E	92.02'
PRW1116-PRW1117	N89° 27' 42"E	7.91'
PRW1117-PRW1118	N89° 27' 42"E	8.15'
PRW1118-PRW1119	N89° 27' 42"E	117.94'
PRW1119-PRW1120	S88° 23' 27"E	240.17'
PRW1120-PRW1121	S51° 43' 48"E	39.78'
PRW1121-PRW1126	N89° 18' 24"E	537.47'
PRW1121-PLE1122	N89° 18' 19"E	178.00'
PLE1122-PLE1123	N00° 32' 18"W	14.45'
PLE1123-PLE1124	N89° 27' 42"E	36.00'
PLE1124-PLE1125	S00° 32' 18"E	14.35'
PLE1125-PRW1126	N89° 18' 27"E	323.47'
PRW1126-PRW1127	N43° 50' 19"E	37.55'
PRW1127-PRW1128	S82° 08' 18"E	51.47'
PRW1128-1129	S00° 48' 56"E	68.99'
1129-1130	S00° 48' 56"E	3.79'
1130-1131	S00° 48' 56"E	46.34'
1131-PRW1132	S89° 18' 27"W	1028.23'
PRW1132-PRW1133	S32° 43' 30"W	14.06'
PRW1133-PRW1134	S32° 43' 30"W	15.06'
PRW1134-PRW1135	S32° 43' 30"W	5.52'
PRW1135-PRW1136	S89° 17' 49"W	53.15'
PRW1136-PRW1137	N31° 57' 48"W	33.84'
PRW1137-1138	S89° 18' 27"W	78.02'
1138-IP744	S44° 57' 28"W	56.73'
IP744-1139	S03° 08' 54"E	53.74'
1139-1100	N89° 52' 16"W	61.35'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
IP744	100+80.66	91.08'
1100	100+23.38	142.80'
1101	99+67.44	142.00'
PRW1102	99+68.82	131.00'
PRW1103	99+51.07	82.00'
1104	99+22.83	49.82'
1105	99+21.93	0.66'
1106	99+21.92	0.00'
1107	99+21.00	-50.18'
1108	99+34.91	-50.19'
1109	99+93.89	-115.72'
1110	99+99.10	-473.44'
1111	100+41.41	-472.74'
1112	100+74.26	-471.62'
1113	100+62.20	-116.76'
1114	101+26.37	-47.71'
PRW1115	102+15.00	-45.99'
PRW1116	102+99.00	-80.00'
PRW1117	103+06.91	-80.00'
PRW1118	103+15.06	-80.00'
PRW1119	104+33.00	-80.00'
PRW1120	106+73.00	-71.00'
PRW1121	107+04.00	-46.07'
PRW1126	112+41.00	-48.90'
PRW1127	112+67.00	-76.00'
PRW1128	113+17.99	-68.98'
1129	113+19.00	0.00'
1130	113+19.05	3.79'
1131	113+19.73	50.12'
PRW1132	102+91.00	55.04'
PRW1133	102+83.29	66.80'
PRW1134	102+75.03	79.39'
PRW1135	102+72.00	84.00'
PRW1136	102+17.00	83.00'
PRW1137	102+00.00	53.74'
1138	101+21.99	52.22'
1139	100+81.92	144.81'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1150	99+42.30	72.00'
TLE1151	99+94.63	-166.00'
TLE1152	100+85.39	-471.24'
TLE1153	100+73.00	-105.14'
TLE1154	102+17.00	-65.95'
TLE1155	103+11.00	-132.00'
TLE1156	103+34.24	-129.00'
TLE1157	103+42.66	-122.00'
TLE1158	104+31.00	-85.00'
TLE1159	106+75.00	-76.00'
TLE1160	106+99.00	-56.00'
TLE1161	108+77.00	-56.00'
TLE1162	108+77.00	-66.00'
TLE1163	109+23.00	-66.00'
TLE1164	109+23.00	-60.00'
TLE1165	112+44.00	-60.00'
TLE1166	112+65.00	-81.00'
TLE1167	113+17.92	-73.82'
TLE1168	113+19.87	59.91'
TLE1169	110+02.00	63.00'
TLE1170	109+24.00	64.00'
TLE1171	109+24.00	74.00'
TLE1172	108+97.00	74.00'
TLE1173	108+97.00	64.00'
TLE1174	105+23.00	70.00'
TLE1175	104+53.87	113.11'
TLE1176	103+27.06	70.00'
TLE1177	102+81.18	70.00'
TLE1178	102+08.87	69.00'
TLE1179	101+06.28	67.00'
TLE1180	100+91.00	81.37'
TLE1181	100+81.34	120.00'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
IP744	18+10.84	58.27'
1100	17+57.18	0.00'
1101	17+57.18	-55.95'
PRW1102	17+68.20	-54.72'
PRW1103	18+16.94	-73.18'
1109	20+15.26	-33.20'
1110	23+73.02	-33.14'
1111	23+73.01	0.00'
1112	23+73.00	32.87'
1113	20+17.94	32.80'
1139	17+57.18	61.35'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1150	18+26.82	-82.10'
TLE1151	20+65.54	-33.19'
TLE1152	23+73.00	44.00'
TLE1153	20+06.69	43.99'
TLE1179	18+35.77	83.06'
TLE1180	18+20.90	68.28'
TLE1181	17+81.96	59.93'

PLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
PLE1122	108+82.00	-46.55'
PLE1123	108+82.00	-61.00'
PLE1124	109+18.00	-61.00'
PLE1125	109+18.00	-46.65'

PROJECT NUMBER 6999-09-02-4.01
SHEET 3 OF 3
AMENDMENT NO:___ 229

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE MARATHON COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 6999-09-02-4.02

THAT PART OF LOT 2 OF CSM 14700 AND PART OF LOT 1 OF CSM 11809 LOCATED IN PART OF THE NW1/4 OF THE NE1/4, THAT PART OF PARCEL 1 OF CSM 14275, PART OF LOT 1 OF CSM 3510 AND PART OF LOT 1 OF CSM 394 LOCATED IN PART OF THE SW1/4 OF THE NE1/4, ALL IN SECTION 31, TOWNSHIP 29 NORTH, RANGE 7 EAST, CITY OF WAUSAU, MARATHON COUNTY, WISCONSIN.

RELOCATION ORDER - LOC STR, C WAUSAU, STEWART AVENUE (S 72ND AVENUE TO S 48TH AVENUE), MARATHON COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF WAUSAU 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 62.22, WISCONSIN STATUTES, THE CITY OF WAUSAU 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 CITY OF WAUSAU FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF WAUSAU, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MARATHON COUNTY, NAD83 (2011) IN US 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"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

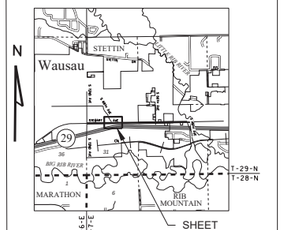
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STEWART AVE: R/W PLAT T 020-2(13), R/W PLAT 1053-06-21, CSM 394, CSM 3510, CSM 11809, CSM 11835, CSM 13127, CSM 14275, CSM 14700, AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR S 68TH AVE: CSM 11809, CSM 13127, CSM 14700, AND EXISTING CENTERLINE.

EXISTING ACCESS CONTROL ALONG STEWART AVE HAS BEEN ESTABLISHED FROM R/W PLAT T 020-2(13), R/W PLAT 1053-06-21, DOCUMENT 824834, AND DOCUMENT 825067.

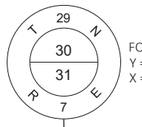
FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE CITY OF WAUSAU.

LOCATION SKETCH NOT TO SCALE



STATE OF WISCONSIN - MARATHON COUNTY
RECORDED
11-03-2022 at 3:21 PM
DEAN J. STRATZ, REGISTER OF DEEDS
DOC#: **1872549**
Pages: 2
REGISTER OF DEEDS
MARATHON COUNTY, WI
Received for Record this 3rd day of Nov.
A.D., 2022, at 2:49 O'clock P M.
In Plat Cabinet No. 3 on page 32 B.
REGISTAR
Dean J Stratz

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6999-09-02-4.02
AMENDMENT NO:___



FOUND 3/4" IRON ROD
Y = 201654.341
X = 257395.062

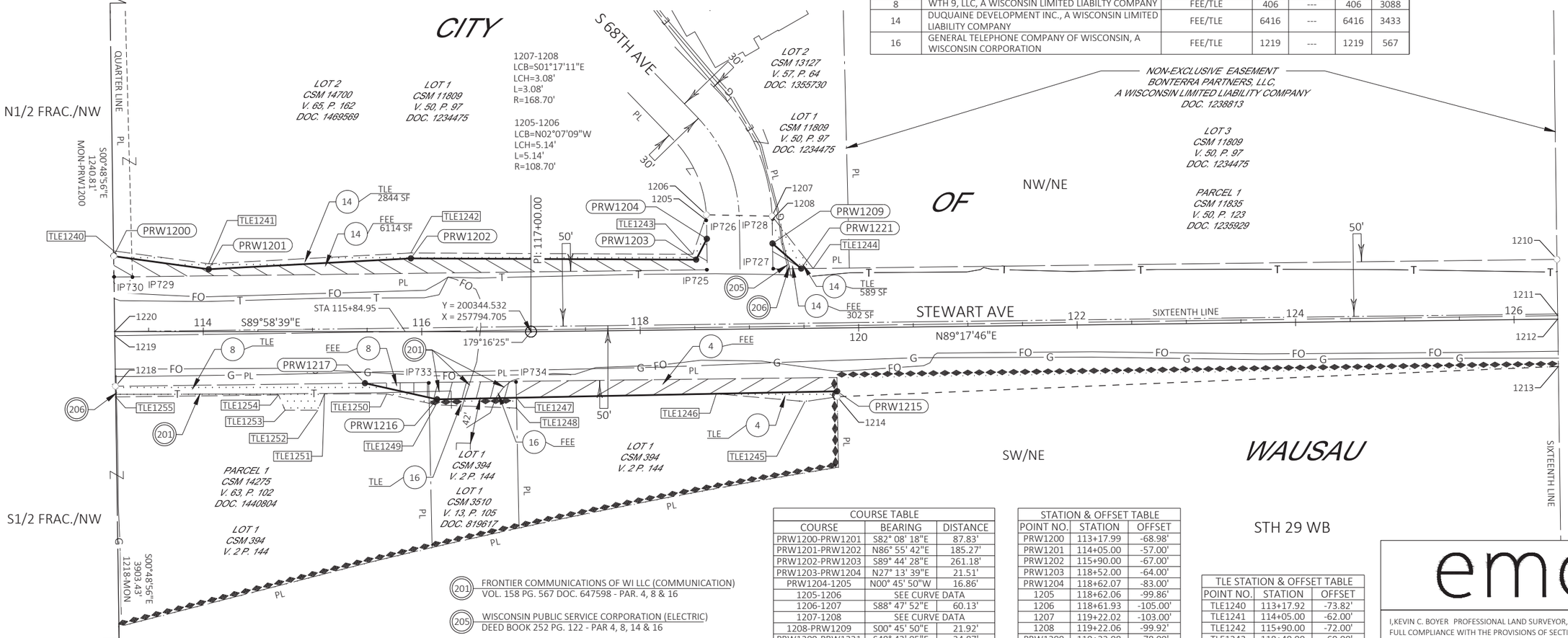
UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)	RELEASE OF RIGHTS
205	WISCONSIN PUBLIC SERVICE CORPORATION (ELECTRIC)	RELEASE OF RIGHTS
206	WISCONSIN PUBLIC SERVICE CORPORATION (GAS)	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

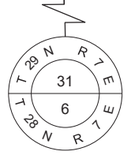
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY OF WAUSAU.

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	R/W SF REQUIRED NEW	EXISTING	TOTAL	TLE SF
4	CITY OF WAUSAU, A WISCONSIN MUNICIPALITY	FEE/TLE	4066	---	4066	559
8	WTH 9, LLC, A WISCONSIN LIMITED LIABILTY COMPANY	FEE/TLE	406	---	406	3088
14	DUQUAINE DEVELOPMENT INC., A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	6416	---	6416	3433
16	GENERAL TELEPHONE COMPANY OF WISCONSIN, A WISCONSIN CORPORATION	FEE/TLE	1219	---	1219	567



ALL TLES ARE FOR SLOPE GRADING PURPOSES

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 1872141 FOR ADDITIONAL INFORMATION



FOUND 2-3/8" O.D. IRON PIPE
Y = 196391.519
X = 257469.968

(201) FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)
VOL. 158 PG. 567 DOC. 647598 - PAR. 4, 8 & 16

(205) WISCONSIN PUBLIC SERVICE CORPORATION (ELECTRIC)
DEED BOOK 252 PG. 122 - PAR 4, 8, 14 & 16

(206) WISCONSIN PUBLIC SERVICE CORPORATION (GAS)
NO RECORD OF EASEMENT - PAR. 8 & 14

EXISTING MONUMENTS

POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP725	200401.200	257955.700	1-1/4" REBAR
IP726	200446.400	257955.100	1-1/4" REBAR
IP727	200402.100	258016.400	1-1/4" REBAR
IP728	200447.700	258015.900	1-1/4" REBAR
IP729	200394.500	257429.900	2-3/4" O.D. IRON PIPE
IP730	200394.700	257413.000	1-1/4" O.D. IRON PIPE

COURSE TABLE

COURSE	BEARING	DISTANCE
PRW1200-PRW1201	S82° 08' 18"E	87.83'
PRW1201-PRW1202	N86° 55' 42"E	185.27'
PRW1202-PRW1203	S89° 44' 28"E	261.18'
PRW1203-PRW1204	N27° 13' 39"E	21.51'
PRW1204-1205	N00° 45' 50"W	16.86'
1205-1206	SEE CURVE DATA	
1206-1207	S88° 47' 52"E	60.13'
1207-1208	SEE CURVE DATA	
1208-PRW1209	S00° 45' 50"E	21.92'
PRW1209-PRW1221	S48° 43' 05"E	34.87'
PRW1221-1210	N89° 18' 04"E	691.95'
1210-1211	S00° 45' 40"E	51.50'
1211-1212	S00° 45' 40"E	3.11'
1212-1213	S00° 45' 40"E	43.39'
1213-1214	S87° 35' 42"W	660.73'
1214-PRW1215	N00° 55' 39"W	5.00'
PRW1215-PRW1216	S88° 50' 31"W	366.38'
PRW1216-PRW1217	N77° 22' 12"W	67.63'
PRW1217-1218	S89° 17' 55"W	228.29'
1218-1219	N00° 48' 56"W	46.34'
1219-1220	N00° 48' 56"W	3.79'
1220-PRW1200	N00° 48' 56"W	68.99'

STATION & OFFSET TABLE

POINT NO.	STATION	OFFSET
PRW1200	113+17.99	-68.98'
PRW1201	114+05.00	-57.00'
PRW1202	115+90.00	-67.00'
PRW1203	118+52.00	-64.00'
PRW1204	118+62.07	-83.00'
1205	118+62.06	-99.86'
1206	118+61.93	-105.00'
1207	119+22.02	-103.00'
1208	119+22.06	-99.92'
PRW1209	119+22.08	-78.00'
1210	126+39.94	-54.62'
1211	126+40.00	-3.11'
1212	126+40.00	0.00'
1213	126+40.04	43.39'
1214	119+79.61	63.00'
PRW1215	119+79.59	58.00'
PRW1216	116+14.00	62.00'
PRW1217	115+48.00	47.24'
1218	113+19.73	50.12'
1219	113+19.05	3.79'
1220	113+19.00	0.00'
PRW1221	119+48.00	-54.68'

TLE STATION & OFFSET TABLE

POINT NO.	STATION	OFFSET
TLE1240	113+17.92	-73.82'
TLE1241	114+05.00	-62.00'
TLE1242	115+90.00	-72.00'
TLE1243	118+49.00	-69.00'
TLE1244	119+59.00	-54.68'
TLE1245	119+50.00	67.00'
TLE1246	118+69.00	58.88'
TLE1247	116+86.67	60.50'
TLE1248	116+86.87	70.00'
TLE1249	116+13.00	67.00'
TLE1250	115+68.00	57.00'
TLE1251	115+11.00	57.00'
TLE1252	115+05.00	72.00'
TLE1253	114+75.00	72.00'
TLE1254	114+69.00	58.00'
TLE1255	113+19.87	59.91'

emcs inc

I, KEVIN C. BOYER 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 CITY OF WAUSAU I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 11/3/2022
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF WAUSAU

SIGNATURE: Katie Rosenberg DATE: 11/3/2022
PRINT NAME: Katie Rosenberg

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 10/27/2022
PLOT DATE : 10/31/2022 1:10 PM
PLOT BY : DREW NELSON
PLOT NAME :
PLOT SCALE :

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE MARATHON COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 6999-09-02-4.03

THAT PART OF LOT 3 OF CSM 11809 AND PART OF PARCEL 2 OF CSM 11835 LOCATED IN PART OF THE NE1/4 OF THE NE1/4 OF SECTION 31, TOWNSHIP 29 NORTH, RANGE 7 EAST, CITY OF WAUSAU, MARATHON COUNTY, WISCONSIN.

RELOCATION ORDER - LOC STR, C WAUSAU, STEWART AVENUE (S 72ND AVENUE TO S 48TH AVENUE), MARATHON COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF WAUSAU 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 62.22, WISCONSIN STATUTES, THE CITY OF WAUSAU 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 CITY OF WAUSAU FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF WAUSAU, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

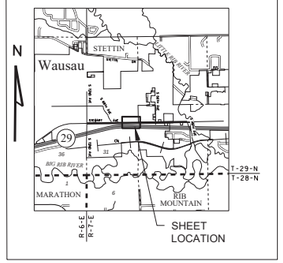
SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY OF WAUSAU.

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	R/W SF REQUIRED NEW	EXISTING	TOTAL	TLE SF
~~17~~	~~RODNEY STEIF, A 1/2 INTEREST, PAULA KNOBLOCK, A 1/4 INTEREST AND PAUL KNOBLOCK, A 1/4 INTEREST, AS TENANTS IN COMMON D/B/A S & K INVESTMENTS~~	~~FEE/TLE~~	~~194~~	—	~~194~~	~~1873~~

PARCEL 17 VACATED PER DOC #1882613

LOCATION SKETCH NOT TO SCALE



STATE OF WISCONSIN - MARATHON COUNTY
RECORDED
11-03-2022 at 3:21 PM
DEAN J. STRATZ, REGISTER OF DEEDS
DOC#: **1872550**
Pages: 2
REGISTER OF DEEDS
MARATHON COUNTY, WI
Received for Record this 2nd day of Nov.
A.D., 20 22, at 3:21 O'clock P M.
In Plat Cabinet No. 3 on page 533 A
REGISTAR
Dean J Stratz

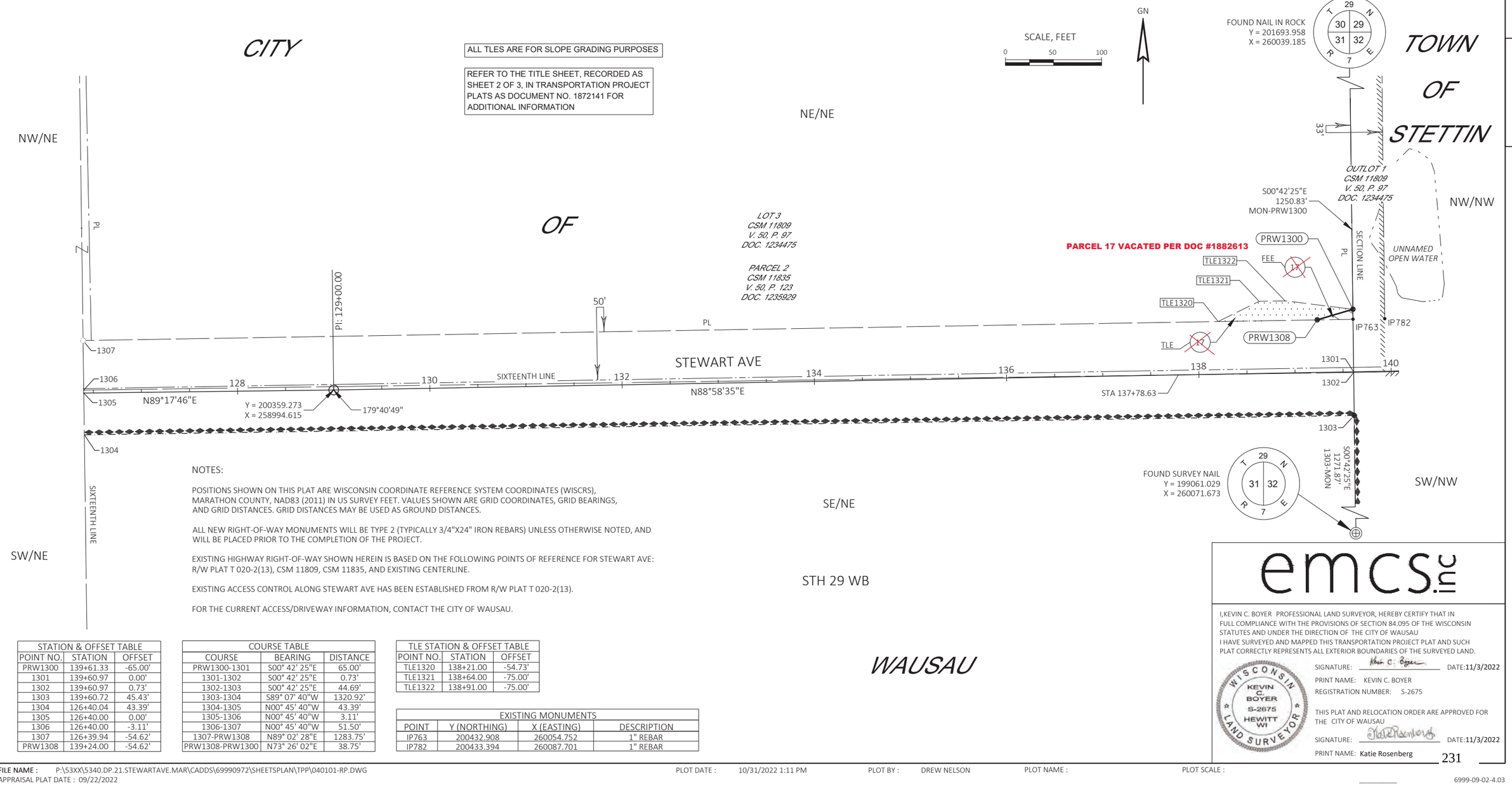
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6999-09-02-4.03
AMENDMENT NO:___

ALL TLES ARE FOR SLOPE GRADING PURPOSES

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 1872141 FOR ADDITIONAL INFORMATION

SCALE, FEET
0 50 100

GN



NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MARATHON COUNTY, NAD83 (2011) IN US 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"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STEWART AVE: R/W PLAT T 020-2(13), CSM 11809, CSM 11835, AND EXISTING CENTERLINE.

EXISTING ACCESS CONTROL ALONG STEWART AVE HAS BEEN ESTABLISHED FROM R/W PLAT T 020-2(13).

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE CITY OF WAUSAU.

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
PRW1300	139+61.33	-65.00'
1301	139+60.97	0.00'
1302	139+60.97	0.73'
1303	139+60.72	45.43'
1304	126+40.04	43.39'
1305	126+40.00	0.00'
1306	126+40.00	-3.11'
1307	126+39.94	-54.62'
PRW1308	139+24.00	-54.62'

COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW1300-1301	S00° 42' 25"E	65.00'
1301-1302	S00° 42' 25"E	0.73'
1302-1303	S00° 42' 25"E	44.69'
1303-1304	S89° 07' 40"W	1320.92'
1304-1305	N00° 45' 40"W	43.39'
1305-1306	N00° 45' 40"W	3.11'
1306-1307	N00° 45' 40"W	51.50'
1307-PRW1308	N89° 02' 28"E	1283.75'
PRW1308-PRW1300	N73° 26' 02"E	38.75'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1320	138+21.00	-54.73'
TLE1321	138+64.00	-75.00'
TLE1322	138+91.00	-75.00'

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP763	200432.908	260054.752	1" REBAR
IP782	200433.394	260087.701	1" REBAR

emcs inc

I,KEVIN C. BOYER 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 CITY OF WAUSAU I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Kevin C. Boyer DATE:11/3/2022
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF WAUSAU

SIGNATURE: Katie Rosenberg DATE:11/3/2022
PRINT NAME: Katie Rosenberg

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 09/22/2022
PLOT DATE : 10/31/2022 1:11 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE :

6999-09-02-4.03

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE MARATHON COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 6999-09-02-4.04

THAT PART OF THE SW1/4 OF THE NW1/4 OF SECTION 32, TOWNSHIP 29 NORTH, RANGE 7 EAST, CITY OF WAUSAU, MARATHON COUNTY, WISCONSIN.

RELOCATION ORDER - LOC STR, C WAUSAU, STEWART AVENUE (S 72ND AVENUE TO S 48TH AVENUE), MARATHON COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF WAUSAU 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 62.22, WISCONSIN STATUTES, THE CITY OF WAUSAU 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 CITY OF WAUSAU FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF WAUSAU, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY OF WAUSAU.

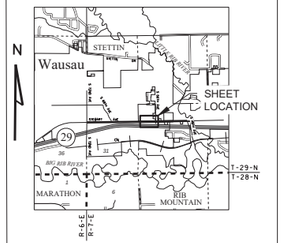
PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	TLE SF
18	JEFF P. WEBSTER AND LISA R. TESKE, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	TLE	703
19	MARGARET E. SCHLAIS TRUST DATED NOVEMBER 21, 2003	TLE	2038

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
203	SPECTRUM (COMMUNICATION)	RELEASE OF RIGHTS
206	WISCONSIN PUBLIC SERVICE CORPORATION (GAS)	RELEASE OF RIGHTS

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1430	152+65.61	65.00'
TLE1431	152+40.00	55.00'
TLE1432	152+40.00	45.01'
TLE1433	151+41.00	45.04'
TLE1434	151+36.00	56.00'
TLE1435	151+15.00	56.00'
TLE1436	151+04.00	45.05'
TLE1437	150+30.00	45.08'
TLE1438	150+30.00	50.00'
TLE1439	150+00.00	50.00'
TLE1440	150+00.00	45.09'
TLE1441	146+70.00	45.19'
TLE1442	146+00.00	50.00'
TLE1443	144+55.00	50.00'
TLE1444	143+75.00	45.29'
TLE1445	142+17.00	45.34'
TLE1446	142+08.00	61.00'
TLE1447	141+84.00	61.00'
TLE1448	141+75.00	45.36'
TLE1449	140+19.00	45.41'
TLE1450	140+19.00	51.00'
TLE1451	139+60.69	51.00'

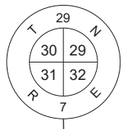
LOCATION SKETCH NOT TO SCALE



STATE OF WISCONSIN - MARATHON COUNTY
RECORDED
11-03-2022 at 3:21 PM
DEAN J. STRATZ, REGISTER OF DEEDS
DOC#: **1872551**
Pages: 2

REGISTER OF DEEDS
MARATHON COUNTY, WI
Received for Record this 3rd day of Nov. A.D., 20 22, at 3:53 O'clock P M.
In Plat Cabinet No. 3 on page 5 & 6
Dean J. Stratz
REGISTAR

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6999-09-02-4.04
AMENDMENT NO:___



FOUND NAIL IN ROCK
Y = 201693.958
X = 260039.185

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
IP782	139+94.24	-54.59'
1400	139+61.33	-65.00'
1401	139+94.30	-64.78'
1402	152+63.03	-55.00'
1403	152+96.26	-55.01'
1404	152+95.97	-0.18'
1405	152+95.97	0.00'
1406	152+95.72	44.99'
1407	152+65.72	45.00'
1408	139+60.72	45.43'
1409	139+60.97	0.73'
1410	139+60.97	0.00'

COURSE TABLE		
COURSE	BEARING	DISTANCE
1400-1401	N89° 21' 25"E	32.97'
1401-IP782	S00° 38' 35"E	10.20'
IP782-1402	N88° 57' 28"E	1268.79'
1402-1403	N88° 57' 20"E	33.23'
1403-1404	S00° 42' 46"E	54.83'
1404-1405	S00° 42' 46"E	0.18'
1405-1406	S00° 42' 46"E	44.99'
1406-1407	S88° 57' 20"W	30.00'
1407-1408	S88° 57' 28"W	1305.00'
1408-1409	N00° 42' 25"W	44.69'
1409-1410	N00° 42' 25"W	0.73'
1410-1400	N00° 42' 25"W	65.00'

ALL TLES ARE FOR SLOPE GRADING PURPOSES

SEE SHEET 4.05 FOR INTERESTS REQUIRED IN THE TOWN OF STETTIN.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 1872141 FOR ADDITIONAL INFORMATION

(203) SPECTRUM (COMMUNICATION)
NO RECORD OF EASEMENT - PAR. 19

(206) WISCONSIN PUBLIC SERVICE CORPORATION (GAS)
NO RECORD OF EASEMENT - PAR. 19

SCALE, FEET
0 50 100

GN

15' INGRESS AND EGRESS EASEMENT
CSM 4789
V. 17, P. 257
DOC. 882838

LOT 2 CSM 4789 V. 17, P. 257 DOC. 882838

LOT 1 CSM 4789 V. 17, P. 257 DOC. 882838

OUTLOT 1 CSM 11809 V. 50, P. 97 DOC. 1234475

NE/NE NW/NW SE/NE SE/NW SW/NW

TOWN OF STETTIN CITY OF WAUSAU

S 56TH AVE

SIXTEENTH LINE

STEWART AVE

STH 29 WB

SECTION LINE

S00°42'25"E 1250.83' MON-1400

S00°42'25"E 1271.87' 1408-MON

UNNAMED OPEN WATER

IP763 IP782 IP781 IP761 IP780 IP760 IP764 IP755 IP756 IP758

1400 1401 1402 1403 1404 1405 1406 1407 1408 1409 1410

140 142 144 146 148 150 152

STA 150+30.02

N88°58'35"E

TLE1430 TLE1431 TLE1432 TLE1433 TLE1434 TLE1435 TLE1436 TLE1437 TLE1438 TLE1439 TLE1440 TLE1441 TLE1442 TLE1443 TLE1444 TLE1445 TLE1446 TLE1447 TLE1448 TLE1449 TLE1450 TLE1451

TLE 326 SF
TLE 517 SF
TLE 1047 SF
TLE 148 SF
TLE 318 SF
TLE 385 SF

G FO PL

33' 50' 30'

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MARATHON COUNTY, NAD83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

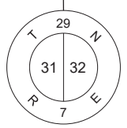
ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STEWART AVE: R/W PLAT T 020-2(13), CSM 4789, CSM 11809, AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR S 56TH AVE: R/W PLAT T 020-2(13), AND EXISTING CENTERLINE.

EXISTING ACCESS CONTROL ALONG STEWART AVE & S 56TH AVE HAS BEEN ESTABLISHED FROM R/W PLAT T 020-2(13).

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE CITY OF WAUSAU.



FOUND SURVEY NAIL
Y = 199061.029
X = 260071.673

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP755	200460.938	261423.443	MAG NAIL
IP756	200618.348	261420.633	1-1/4" O.D. IRON PIPE
IP758	200457.925	261423.474	MAG NAIL
IP760	200449.523	260988.552	3/4" REBAR
IP761	200442.752	260608.409	1-1/4" O.D. IRON PIPE
IP763	200432.908	260054.752	1" REBAR
IP764	200358.779	261182.834	3/4" O.D. IRON PIPE
IP780	200445.419	260758.355	1-1/4" O.D. IRON PIPE
IP781	200439.467	260417.984	1-1/4" O.D. IRON PIPE
IP782	200433.394	260087.701	1" REBAR

emcs.llc

I,KEVIN C. BOYER 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 CITY OF WAUSAU I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 11/3/2022
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF WAUSAU
SIGNATURE: Katie Rosenberg DATE: 11/3/2022
PRINT NAME: Katie Rosenberg

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 09/22/2022
PLOT DATE : 10/31/2022 1:12 PM
PLOT BY : DREW NELSON
PLOT NAME :
PLOT SCALE :

4

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE MARATHON COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 6999-09-02-4.05

THAT PART OF LOTS 1 AND 2 OF CSM 4789 LOCATED IN PART OF THE NW1/4 OF THE NW1/4 OF SECTION 32, TOWNSHIP 29 NORTH, RANGE 7 EAST, TOWN OF STETTIN, MARATHON COUNTY, WISCONSIN.

RELOCATION ORDER - LOC STR, C WAUSAU, STEWART AVENUE (S 72ND AVENUE TO S 48TH AVENUE), MARATHON COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE TOWN OF STETTIN 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 82.14(1), WISCONSIN STATUTES, THE TOWN OF STETTIN 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 TOWN OF STETTIN FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE TOWN OF STETTIN, PURSUANT TO THE PROVISIONS OF SECTION 82.14(1), WISCONSIN STATUTES.

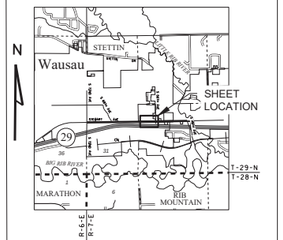
SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE TOWN OF STETTIN.

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	R/W SF REQUIRED NEW	EXISTING	TOTAL	TLE SF
~~21~~	~~GERALDINE M. STEIF REVOCABLE TRUST OF FEBRUARY 19, 2005~~	~~TLE~~	~~—~~	~~—~~	~~—~~	~~228~~
~~22~~	~~PAUL A KNOBLOCK AND PAULA J STEIF N\K\A PAULA J KNOBLOCK, HUSBAND AND WIFE~~	~~FEE/TLE~~	~~1149~~	~~—~~	~~1149~~	~~1557~~
~~23~~	~~RODNEY J. STEIF~~	~~FEE/TLE~~	~~1683~~	~~—~~	~~1683~~	~~750~~
~~24~~	~~GERALDINE M. STEIF REVOCABLE TRUST OF FEBRUARY 19, 2005, A 50% INTEREST, AND THE STEIF FAMILY TRUST OF FEBRUARY 19, 2005, A 50% INTEREST~~	~~FEE/TLE~~	~~1497~~	~~—~~	~~1497~~	~~1178~~
26	EDITH M. ROSE, AS LIFE TENANT, AND JAY C. BLAHER, AS REMAINDERMAN	TLE	---	---	---	368
27	MICHAEL TRANETZKI	TLE	---	---	---	294

PARCELS 21, 22, 23, & 24 VACATED PER DOC #1882614

LOCATION SKETCH NOT TO SCALE



STATE OF WISCONSIN - MARATHON COUNTY
RECORDED
11-03-2022 at 3:21 PM
DEAN J. STRATZ, REGISTER OF DEEDS
DOC#: **1872552**
Pages: 2

REGISTER OF DEEDS
MARATHON COUNTY, WI
Received for Record this 3rd day of Nov.
A.D., 2022, at 3:21 o'clock P M.
In Plat Cabinet No. 3 on page 584A
Dean J. Stratz
REGISTAR

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6999-09-02-4.05
AMENDMENT NO:___

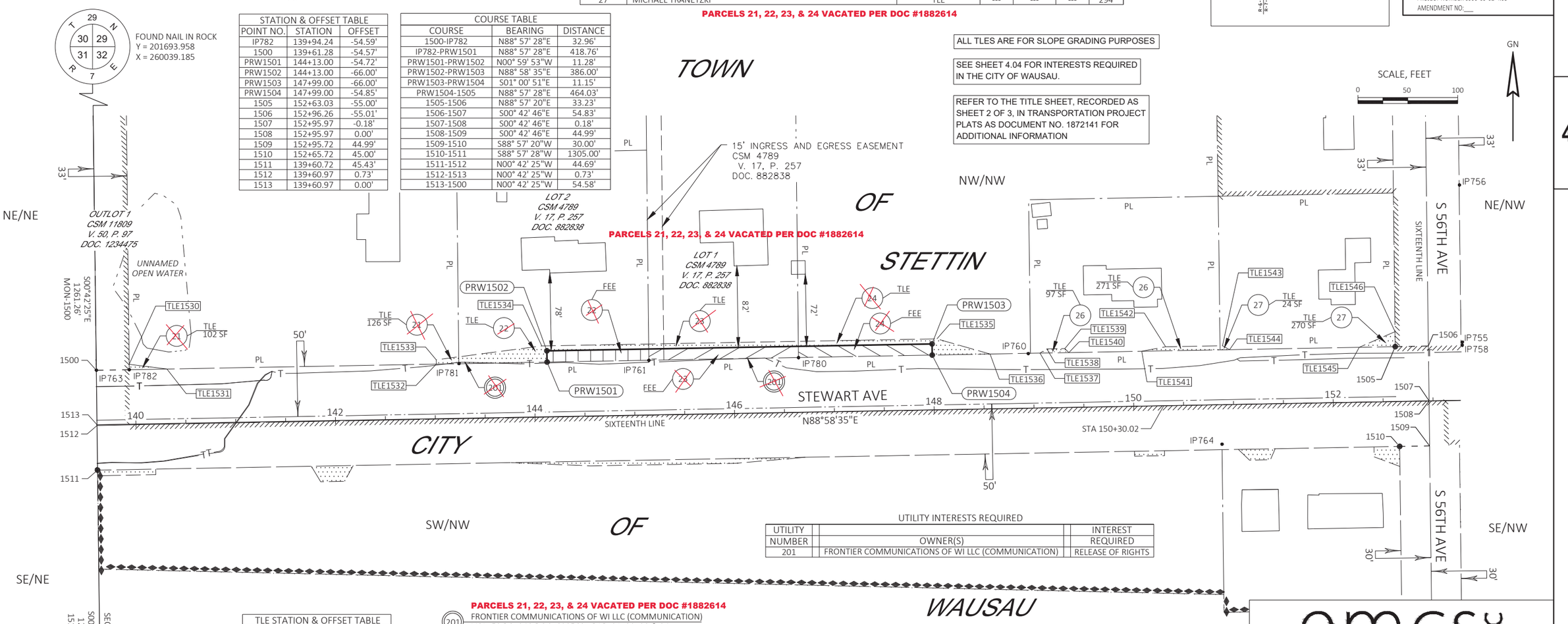
STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
IP782	139+94.24	-54.59'
1500	139+61.28	-54.57'
PRW1501	144+13.00	-54.72'
PRW1502	144+13.00	-66.00'
PRW1503	147+99.00	-66.00'
PRW1504	147+99.00	-54.85'
1505	152+63.03	-55.00'
1506	152+96.26	-55.01'
1507	152+95.97	-0.18'
1508	152+95.97	0.00'
1509	152+95.72	44.99'
1510	152+65.72	45.00'
1511	139+60.72	45.43'
1512	139+60.97	0.73'
1513	139+60.97	0.00'

COURSE TABLE		
COURSE	BEARING	DISTANCE
1500-IP782	N88° 57' 28"E	32.96'
IP782-PRW1501	N88° 57' 28"E	418.76'
PRW1501-PRW1502	N00° 59' 53"W	11.28'
PRW1502-PRW1503	N88° 58' 35"E	386.00'
PRW1503-PRW1504	S01° 00' 51"E	11.15'
PRW1504-1505	N88° 57' 28"E	464.03'
1505-1506	N88° 57' 20"E	33.23'
1506-1507	S00° 42' 46"E	54.83'
1507-1508	S00° 42' 46"E	0.18'
1508-1509	S00° 42' 46"E	44.99'
1509-1510	S88° 57' 20"W	30.00'
1510-1511	S88° 57' 28"W	1305.00'
1511-1512	N00° 42' 25"W	44.69'
1512-1513	N00° 42' 25"W	0.73'
1513-1500	N00° 42' 25"W	54.58'

ALL TLES ARE FOR SLOPE GRADING PURPOSES

SEE SHEET 4.04 FOR INTERESTS REQUIRED IN THE CITY OF WAUSAU.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 1872141 FOR ADDITIONAL INFORMATION



UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)	RELEASE OF RIGHTS

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1530	139+94.27	-60.00'
TLE1531	140+32.00	-54.60'
TLE1532	143+02.00	-54.69'
TLE1533	143+02.00	-59.00'
TLE1534	144+08.00	-71.00'
TLE1535	148+04.00	-71.00'
TLE1536	148+57.00	-54.87'
TLE1537	149+07.00	-54.88'
TLE1538	149+14.00	-59.00'
TLE1539	149+32.00	-59.00'
TLE1540	149+36.00	-54.89'
TLE1541	150+09.00	-54.92'
TLE1542	150+33.00	-59.00'
TLE1543	150+90.00	-59.00'
TLE1544	150+97.00	-54.95'
TLE1545	152+27.00	-54.99'
TLE1546	152+63.12	-70.00'

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP755	200460.938	261423.443	MAG NAIL
IP756	200618.348	261420.633	1-1/4" O.D. IRON PIPE
IP758	200457.925	261423.474	MAG NAIL
IP760	200449.523	260988.552	3/4" REBAR
IP761	200442.752	260608.409	1-1/4" O.D. IRON PIPE
IP763	200432.908	260054.752	1" REBAR
IP764	200358.779	261182.834	3/4" O.D. IRON PIPE
IP780	200445.419	260758.355	1-1/4" O.D. IRON PIPE
IP781	200439.467	260417.984	1-1/4" O.D. IRON PIPE
IP782	200433.394	260087.701	1" REBAR

(201) **PARCELS 21, 22, 23, & 24 VACATED PER DOC #1882614**
FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)
~~VOL. 59 PG. 240 DOC. 600568 - PAR. 21, 22, 23 & 24~~
VOL. 59 PG. 236 DOC. 600564 - PAR. 27

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MARATHON COUNTY, NAD83 (2011) IN US 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"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STEWART AVE: R/W PLAT T 020-2(13), CSM 4789, CSM 11809, AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR S 56TH AVE: R/W PLAT T 020-2(13), AND EXISTING CENTERLINE.

EXISTING ACCESS CONTROL ALONG STEWART AVE & S 56TH AVE HAS BEEN ESTABLISHED FROM R/W PLAT T 020-2(13).

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE TOWN OF STETTIN.

emcs inc

I, KEVIN C. BOYER 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 TOWN OF STETTIN I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Kevin C. Boyer DATE: 11/3/2022
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE TOWN OF STETTIN

SIGNATURE: Tim Buttke DATE: 11/3/2022
PRINT NAME: Tim Buttke

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\TPP\040102-RP.DWG
APPRAISAL PLAT DATE : 09/22/2022
PLOT DATE : 10/31/2022 1:16 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE :

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE MARATHON COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 6999-09-02-4.06

THAT PART OF THE NE1/4 OF THE NW1/4 AND PART OF THE SE1/4 OF THE NW1/4 OF SECTION 32, TOWNSHIP 29 NORTH, RANGE 7 EAST, CITY OF WAUSAU, MARATHON COUNTY, WISCONSIN.

RELOCATION ORDER - LOC STR, C WAUSAU, STEWART AVENUE (S 72ND AVENUE TO S 48TH AVENUE), MARATHON COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF WAUSAU 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 62.22, WISCONSIN STATUTES, THE CITY OF WAUSAU 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 CITY OF WAUSAU FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF WAUSAU, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 1872141 FOR ADDITIONAL INFORMATION

ALL TLES ARE FOR SLOPE GRADING PURPOSES

SEE SHEET 4.07 FOR INTERESTS REQUIRED IN THE TOWN OF STETTIN.

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1620	162+67.00	44.64'
TLE1621	162+67.00	55.00'
TLE1622	162+37.00	55.00'
TLE1623	162+37.00	44.65'
TLE1624	159+75.00	44.74'
TLE1625	159+75.00	55.00'
TLE1626	159+31.00	55.00'
TLE1627	159+31.00	44.76'
TLE1628	158+61.00	44.78'
TLE1629	158+61.00	55.00'
TLE1630	158+33.00	55.00'
TLE1631	158+33.00	44.79'
TLE1632	158+02.00	44.80'
TLE1633	158+02.00	51.00'
TLE1634	157+69.00	51.00'
TLE1635	157+69.00	44.82'
TLE1636	157+35.00	44.83'
TLE1637	157+35.00	55.00'
TLE1638	156+86.00	55.00'
TLE1639	156+86.00	44.85'
TLE1640	156+65.00	44.85'
TLE1641	156+65.00	55.00'
TLE1642	156+45.00	55.00'

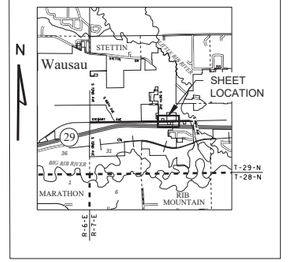
TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1643	155+45.00	44.86'
TLE1644	155+80.00	44.89'
TLE1645	155+80.00	55.00'
TLE1646	155+49.00	55.00'
TLE1647	155+49.00	44.90'
TLE1648	154+52.00	44.93'
TLE1649	154+52.00	65.00'
TLE1650	153+86.00	65.00'
TLE1651	153+86.00	44.96'
TLE1652	153+30.00	44.98'
TLE1653	153+30.00	126.00'
TLE1654	153+25.28	126.00'
TLE1655	153+29.25	-91.00'
TLE1656	153+46.33	-91.00'
TLE1657	153+46.55	-76.98'
TLE1658	153+51.72	-76.64'
TLE1659	153+51.00	-68.00'
TLE1660	155+02.77	-68.00'
TLE1661	155+02.70	-55.09'
TLE1662	158+72.00	-55.22'
TLE1663	158+72.00	-66.00'
TLE1664	159+22.80	-66.00'
TLE1665	159+22.74	-55.24'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
1600	166+31.25	-55.50'
1601	166+30.96	-1.10'
1602	166+30.96	0.00'
1603	166+30.72	44.50'
1604	153+25.72	44.98'
1605	152+95.72	44.99'
1606	152+95.97	0.00'
1607	152+95.97	-0.18'
1608	152+96.26	-55.01'
1609	153+29.03	-55.02'

COURSE TABLE		
COURSE	BEARING	DISTANCE
1600-1601	S00° 43' 07"E	54.41'
1601-1602	S00° 43' 07"E	1.09'
1602-1603	S00° 43' 07"E	44.50'
1603-1604	S88° 57' 20"W	1305.00'
1604-1605	S88° 57' 20"W	30.00'
1605-1606	N00° 42' 46"W	44.99'
1606-1607	N00° 42' 46"W	0.18'
1607-1608	N00° 42' 46"W	54.83'
1608-1609	N88° 57' 21"E	32.77'
1609-1600	N88° 57' 20"E	1302.22'

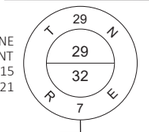
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LOCATION SKETCH NOT TO SCALE



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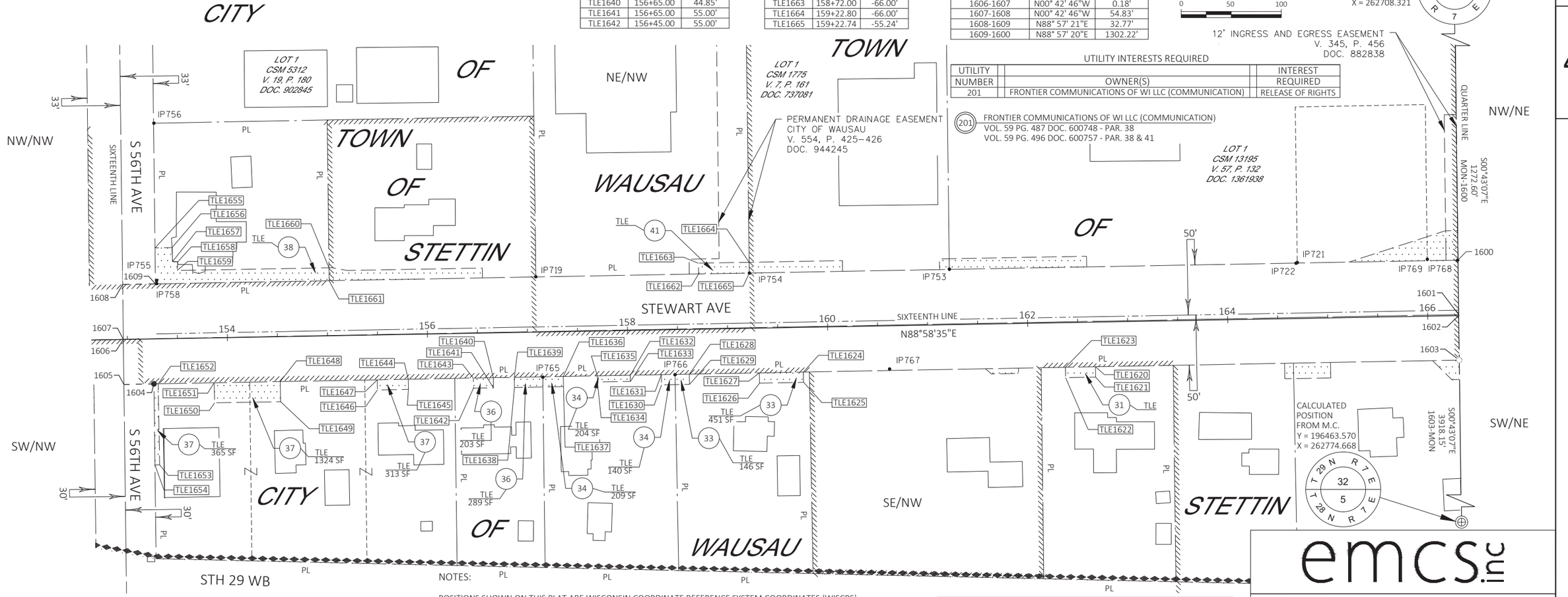
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X = 262708.321



STATE OF WISCONSIN - MARATHON COUNTY
RECORDED
11-03-2022 at 3:21 PM
DEAN J. STRATZ, REGISTER OF DEEDS
DOC#: 1872553
Pages: 2

REGISTER OF DEEDS
MARATHON COUNTY, WI
Received for Record this 3rd day of Nov.
A.D., 2022, at 3:21 O'clock P.M.
In Plat Cabinet No. 3 on page 5348
Dean J. Stratz
REGISTAR

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6999-09-02-4.06
AMENDMENT NO:___



UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY OF WAUSAU.

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	TLE SF
31	JOSHUA D. ZENTNER	TLE	311
33	TRAVIS VOLM	TLE	597
34	STEVEN J. KAQUATOSH	TLE	553
36	TOU XOUA YANG	TLE	492
37	ROD KLEIBER PROPERTIES, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	2002
38	TODD M. WOLD, AS VENDEE BY LAND CONTRACT FROM JUANITA L. ARROWOOD, AS VENDOR	TLE	2688
41	WAUSAU HOSPITALS, INC., A WISCONSIN CORPORATION	TLE	547

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MARATHON COUNTY, NAD83 (2011) IN US 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"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STEWART AVE: R/W PLAT T 020-2(13), CSM 1775, CSM 13195, AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR S 56TH AVE: R/W PLAT T 020-2(13), CSM 5312, AND EXISTING CENTERLINE.

EXISTING ACCESS CONTROL ALONG STEWART AVE & S 56TH AVE HAS BEEN ESTABLISHED FROM R/W PLAT T 020-2(13).

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE CITY OF WAUSAU.

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP719	200464.731	261802.489	1-1/4" O.D. IRON PIPE
IP721	200478.961	262563.548	3/4" REBAR W/CAP
IP722	200478.318	262562.396	1-1/4" O.D. IRON PIPE
IP753	200472.329	262215.819	1-1/4" REBAR
IP754	200468.486	262015.887	1-1/4" O.D. IRON PIPE
IP755	200460.938	261423.443	MAG NAIL
IP756	200618.348	261420.633	1-1/4" O.D. IRON PIPE
IP758	200457.925	261423.474	MAG NAIL
IP765	200364.340	261809.473	1-1/4" O.D. IRON PIPE
IP766	200366.828	261941.671	1-1/4" O.D. IRON PIPE
IP767	200372.413	262156.073	1" O.D. IRON PIPE
IP768	200481.318	262723.901	1-1/4" O.D. IRON PIPE
IP769	200482.221	262693.528	1-1/4" O.D. IRON PIPE

emcs inc

I, KEVIN C. BOYER 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 CITY OF WAUSAU I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 11/3/2022

PRINT NAME: KEVIN C. BOYER

REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF WAUSAU

SIGNATURE: Katie Rosenberg DATE: 11/3/2022

PRINT NAME: Katie Rosenberg

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 09/22/2022
PLOT DATE : 10/31/2022 1:13 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE :

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE MARATHON COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 6999-09-02-4.07

THAT PART OF LOT 1 OF CSM 1775 AND PART OF LOT 1 OF CSM 13195 LOCATED IN PART OF THE NE1/4 OF THE NW1/4 AND THAT PART OF THE SE1/4 OF THE NW1/4, ALL IN SECTION 32, TOWNSHIP 29 NORTH, RANGE 7 EAST, TOWN OF STETTIN, MARATHON COUNTY, WISCONSIN.

RELOCATION ORDER - LOC STR, C WAUSAU, STEWART AVENUE (S 72ND AVENUE TO S 48TH AVENUE), MARATHON COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE TOWN OF STETTIN 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 82.14(1), WISCONSIN STATUTES, THE TOWN OF STETTIN 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 TOWN OF STETTIN FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE TOWN OF STETTIN, PURSUANT TO THE PROVISIONS OF SECTION 82.14(1), WISCONSIN STATUTES.

ALL TLES ARE FOR SLOPE GRADING PURPOSES

SEE SHEET 4.06 FOR INTERESTS REQUIRED IN THE CITY OF WAUSAU.

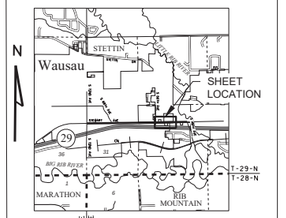
REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 1872141 FOR ADDITIONAL INFORMATION

COURSE TABLE		
COURSE	BEARING	DISTANCE
1700-1701	S00° 43' 07"E	54.41'
1701-1702	S00° 43' 07"E	1.09'
1702-1703	S00° 43' 07"E	44.50'
1703-1704	S88° 57' 20"W	1305.00'
1704-1705	S88° 57' 20"W	30.00'
1705-1706	N00° 42' 46"W	44.99'
1706-1707	N00° 42' 46"W	0.18'
1707-1708	N00° 42' 46"W	54.83'
1708-1709	N88° 57' 21"E	32.77'
1709-1700	N88° 57' 20"E	1302.22'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
1700	166+31.25	-55.50'
1701	166+30.96	-1.10'
1702	166+30.96	0.00'
1703	166+30.72	44.50'
1704	153+25.72	44.98'
1705	152+95.72	44.99'
1706	152+95.97	0.00'
1707	152+95.97	-0.18'
1708	152+96.26	-55.01'
1709	153+29.03	-55.02'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1720	166+30.62	63.84'
TLE1721	166+23.00	64.00'
TLE1722	166+04.00	44.51'
TLE1723	165+02.00	44.55'
TLE1724	165+02.00	60.00'
TLE1725	164+56.00	60.00'
TLE1726	164+56.00	44.57'
TLE1727	161+90.00	44.66'
TLE1728	161+90.00	50.00'
TLE1729	161+63.00	50.00'
TLE1730	161+57.00	44.68'
TLE1731	155+02.70	-55.09'
TLE1732	155+02.77	-68.00'
TLE1733	155+06.00	-68.00'
TLE1734	155+21.00	-65.00'
TLE1735	156+56.00	-65.00'
TLE1736	156+56.00	-55.14'
TLE1737	159+22.74	-55.24'
TLE1738	159+22.80	-66.00'
TLE1739	160+16.00	-66.00'
TLE1740	160+16.00	-55.28'
TLE1741	161+13.00	-55.31'
TLE1742	161+13.00	-66.00'
TLE1743	162+60.00	-66.00'
TLE1744	162+60.00	-55.36'
TLE1745	165+22.00	-55.46'
TLE1746	166+19.00	-85.00'
TLE1747	166+31.41	-85.00'

LOCATION SKETCH NOT TO SCALE



STATE OF WISCONSIN - MARATHON COUNTY
RECORDED
11-03-2022 at 3:21 PM
DEAN J. STRATZ, REGISTER OF DEEDS
DOC#: **1872554**
Pages: 2

REGISTER OF DEEDS
MARATHON COUNTY, WI
Received for Record this 3rd day of Nov.
A.D., 20 22, at 3:02 O'clock P.M.
In Plat Cabinet No. 3 on page 58A
Dean J. Stratz
REGISTAR

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6999-09-02-4.07
AMENDMENT NO:___

(201) FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)
VOL. 59 PG. 237 DOC. 600565 - PAR. 39
VOL. 59 PG. 496 DOC. 600757 - PAR. 39, 42 & 43

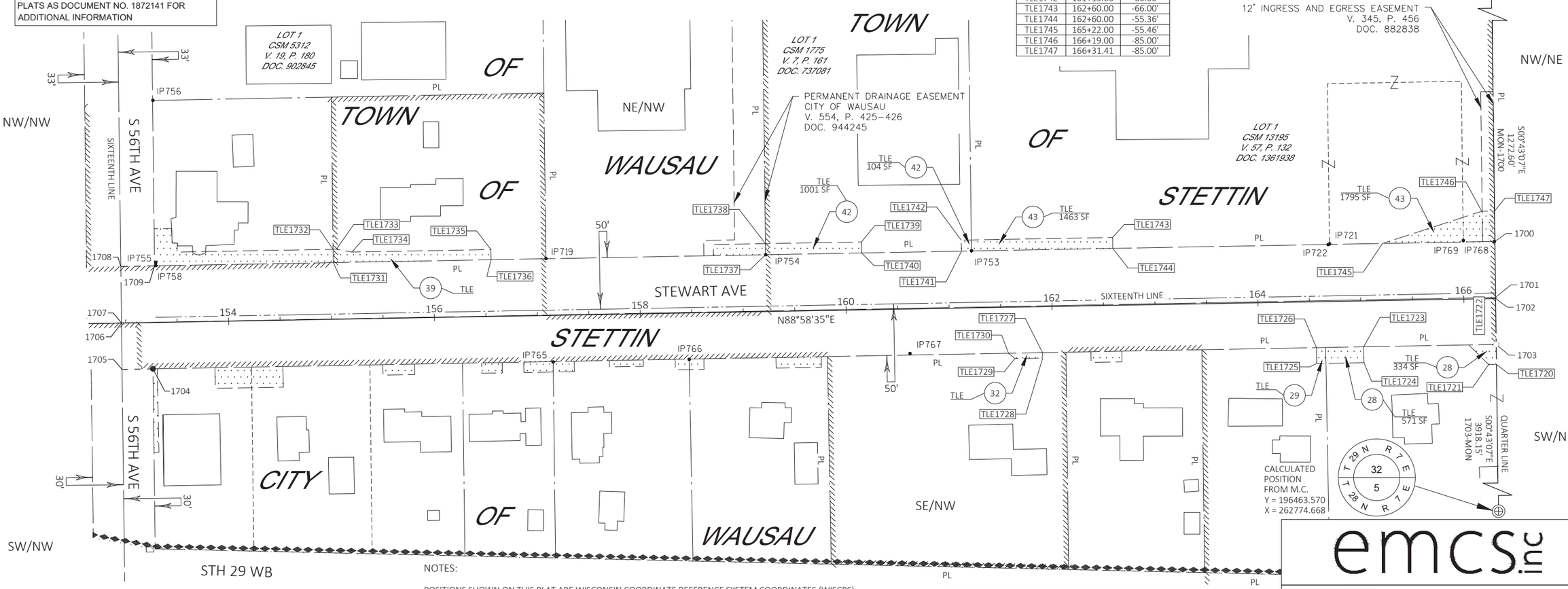
UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)	RELEASE OF RIGHTS

GN

SCALE, FEET
0 50 100

T 29 N R 7 E
29 32
T 28 N R 7 E



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE TOWN OF STETTIN.

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	TLE SF
28	MARLENE D. SAVATKE	TLE	905
29	KORY J. KUCIREK	TLE	139
32	MAYADA TASHTOOSH	TLE	160
39	ATLAS APARTMENTS, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	1547
42	GB AND WAUSAU, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	1105
43	5300 STEWART AVE, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	3258

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MARATHON COUNTY, NAD83 (2011) IN US 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"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STEWART AVE: R/W PLAT T 020-2(13), CSM 1775, CSM 13195, AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR S 56TH AVE: R/W PLAT T 020-2(13), CSM 5312, AND EXISTING CENTERLINE.

EXISTING ACCESS CONTROL ALONG STEWART AVE & S 56TH AVE HAS BEEN ESTABLISHED FROM R/W PLAT T 020-2(13).

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE TOWN OF STETTIN.

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP719	200464.731	261802.489	1-1/4" O.D. IRON PIPE
IP721	200478.961	262563.548	3/4" REBAR W/CAP
IP722	200478.318	262562.396	1-1/4" O.D. IRON PIPE
IP753	200472.329	262215.819	1-1/4" REBAR
IP754	200468.486	262015.887	1-1/4" O.D. IRON PIPE
IP755	200460.938	261423.443	MAG NAIL
IP756	200618.348	261420.633	1-1/4" O.D. IRON PIPE
IP758	200457.925	261423.474	MAG NAIL
IP765	200364.340	261809.473	1-1/4" O.D. IRON PIPE
IP766	200366.828	261941.671	1-1/4" O.D. IRON PIPE
IP767	200372.413	262156.073	1" O.D. IRON PIPE
IP768	200481.318	262723.901	1-1/4" O.D. IRON PIPE
IP769	200482.221	262693.528	1-1/4" O.D. IRON PIPE

emcs inc

I, KEVIN C. BOYER 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 TOWN OF STETTIN I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 11/3/2022

PRINT NAME: KEVIN C. BOYER

REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE TOWN OF STETTIN

SIGNATURE: _____ DATE: 11/3/2022

PRINT NAME: Tim Buttke

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\TPP\040102-RP.DWG
APPRAISAL PLAT DATE : 09/22/2022
PLOT DATE : 10/31/2022 1:16 PM
PLOT BY : DREW NELSON
PLOT NAME :
PLOT SCALE :

6999-09-02-4.07

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE MARATHON COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 6999-09-02-4.08

THAT PART OF LOT 1 OF CSM 1998 AND PART OF LOT 1 OF CSM 10488 LOCATED IN PART OF THE NW1/4 OF THE NE1/4, THAT PART OF PARCEL 1 OF CSM 8889 LOCATED IN PART OF THE SW1/4 OF THE NE1/4, ALL IN SECTION 32, TOWNSHIP 29 NORTH, RANGE 7 EAST, CITY OF WAUSAU, MARATHON COUNTY, WISCONSIN.

RELOCATION ORDER - LOC STR, C WAUSAU, STEWART AVENUE (S 72ND AVENUE TO S 48TH AVENUE), MARATHON COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF WAUSAU DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

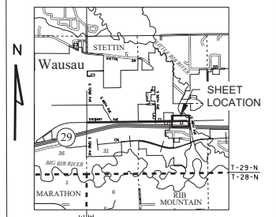
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF WAUSAU HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY OF WAUSAU FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF WAUSAU, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY OF WAUSAU.

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	R/W SF REQUIRED NEW	EXISTING	TOTAL	TLE SF
44	5108 STEWART AVE, LLC, A WISCONSIN LIMITED LIABILITY COMPANY, CHARLES A DHIDORZI, AN 16/20 INTEREST, CHRISTOPHER J. GHIDORZI IRREVOCABLE TRUST DATED JUNE 26, 2002 AN 1/20 INTEREST, CHRISTOPHER JOHN GHIDORZI IRREVOCABLE TRUST DATED JUNE 26, 2002 AN 1/20 INTEREST, BRIAN C. GHIDORZI IRREVOCABLE TRUST DATED JUNE 26, 2002 AN 1/20 INTEREST, BRIAN CHARLES GHIDORZI IRREVOCABLE TRUST DATED JUNE 26, 2002 AN 1/20 INTEREST	FEE/TLE	1914	---	1914	861
46	5108 STEWART AVENUE, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	3670	---	3670	1431
47	STEWART WOODS 5000, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	45	---	45	3168
48	MAC VENTURES, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	1159	---	1159	4247
51	4901 STEWART AVE, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	---	---	---	2523

LOCATION SKETCH NOT TO SCALE



STATE OF WISCONSIN - MARATHON COUNTY
RECORDED
11-03-2022 at 3:21 PM
DEAN J. STRATZ, REGISTER OF DEEDS
DOC#: **1872555**
Pages: 2
REGISTER OF DEEDS
MARATHON COUNTY, WI
Received for Record this 3rd day of Nov.
A.D., 20 22 at 3:04 O'clock P M.
In Plat Cabinet No. 3 on page 235 B
Dean J Stratz
REGISTAR

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6999-09-02-4.08
AMENDMENT NO:___

FOUND GRANITE STONE MONUMENT
Y = 201753.915
X = 262708.321

T 29 N R 7 E — 29 / 32

ALL TLES ARE FOR SLOPE GRADING PURPOSES

SEE SHEET 4.09 FOR INTERESTS REQUIRED IN THE TOWN OF STETTIN.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 1872141 FOR ADDITIONAL INFORMATION

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)	RELEASE OF RIGHTS
206	WISCONSIN PUBLIC SERVICE CORPORATION (GAS)	RELEASE OF RIGHTS
207	WAUSAU WATER WORKS (SANITARY)	~~RELEASE OF RIGHTS~~
208	WAUSAU WATER WORKS (WATER)	~~RELEASE OF RIGHTS~~

NO RELEASE REQUIRED, INTEREST MERGED
NO RELEASE REQUIRED, INTEREST MERGED
CORRECTED PER DOC #1882612

EXISTING MONUMENTS

POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP720	200194.640	263750.491	3/4" IRON ROD
IP768	200481.318	262723.901	1-1/4" O.D. IRON PIPE
IP772	200482.590	262766.835	1-1/4" O.D. IRON PIPE
IP773	200385.679	262919.068	1-1/4" O.D. IRON PIPE
IP774	200407.919	263964.139	1-1/4" O.D. IRON PIPE
IP775	200205.853	263275.416	1-1/4" O.D. IRON PIPE
IP776	200335.189	263748.554	7/8" HEX BAR

201 FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)
VOL. 59 PG. 239 DOC. 600567 - PAR. 44 & 48
VOL. 60 PG. 235 DOC. 601023 - PAR. 46 & 47

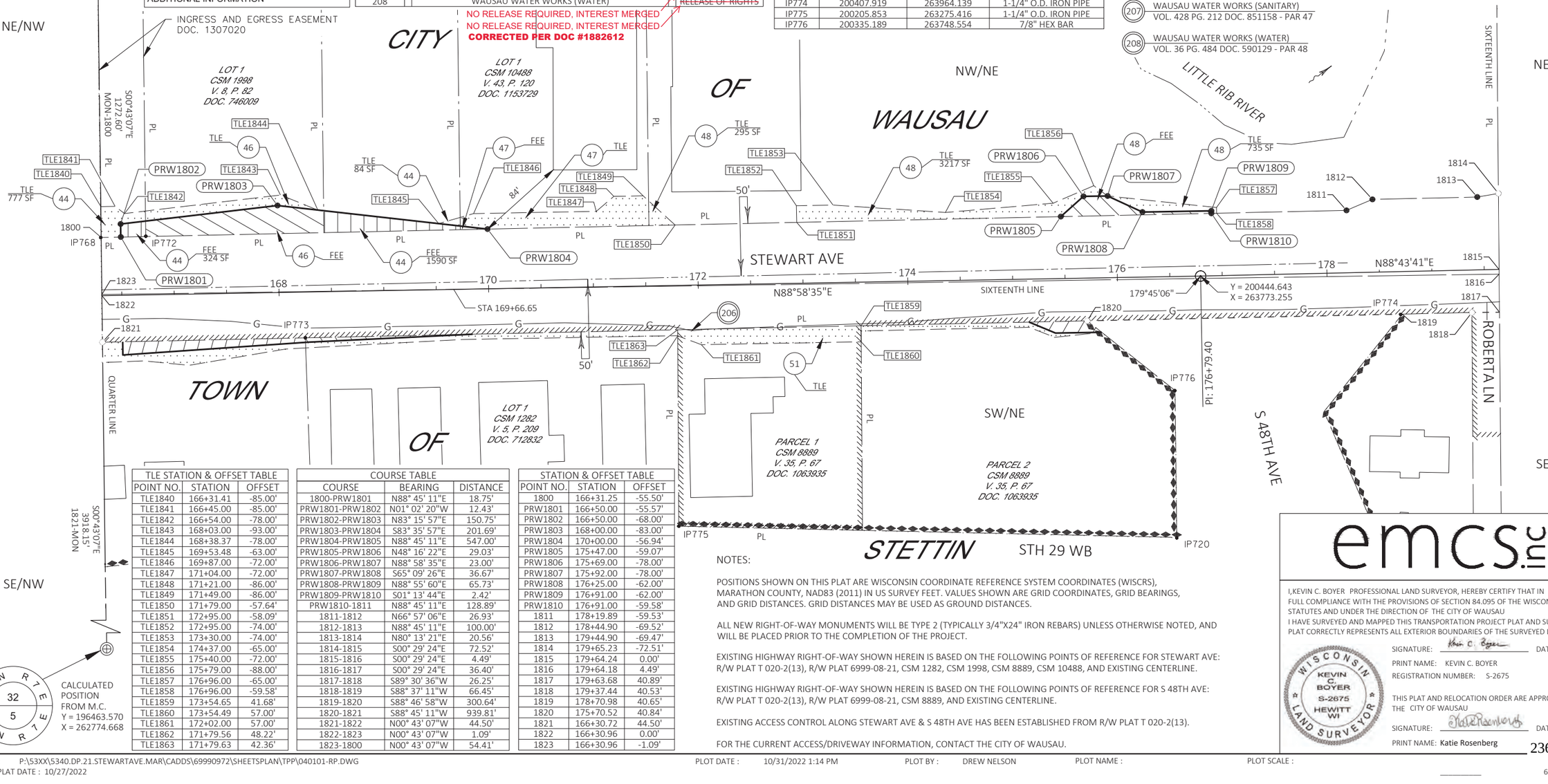
206 WISCONSIN PUBLIC SERVICE CORPORATION (GAS)
NO RECORD OF EASEMENT - PAR. 51

207 WAUSAU WATER WORKS (SANITARY)
VOL. 428 PG. 212 DOC. 851158 - PAR 47

208 WAUSAU WATER WORKS (WATER)
VOL. 36 PG. 484 DOC. 590129 - PAR 48

SCALE, FEET
0 50 100

GN



TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1840	166+31.41	-85.00'
TLE1841	166+45.00	-85.00'
TLE1842	166+54.00	-78.00'
TLE1843	168+03.00	-93.00'
TLE1844	168+38.37	-78.00'
TLE1845	169+53.48	-63.00'
TLE1846	169+87.00	-72.00'
TLE1847	171+04.00	-72.00'
TLE1848	171+21.00	-86.00'
TLE1849	171+49.00	-86.00'
TLE1850	171+79.00	-57.64'
TLE1851	172+95.00	-58.09'
TLE1852	172+95.00	-74.00'
TLE1853	173+30.00	-74.00'
TLE1854	174+37.00	-65.00'
TLE1855	175+40.00	-72.00'
TLE1856	175+79.00	-88.00'
TLE1857	176+96.00	-65.00'
TLE1858	176+96.00	-59.58'
TLE1859	173+54.65	41.68'
TLE1860	173+54.49	57.00'
TLE1861	172+02.00	57.00'
TLE1862	171+79.56	48.22'
TLE1863	171+79.63	42.36'

COURSE TABLE		
COURSE	BEARING	DISTANCE
1800-PRW1801	N88° 45' 11"E	18.75'
PRW1801-PRW1802	N01° 02' 20"W	12.43'
PRW1802-PRW1803	N83° 15' 57"E	150.75'
PRW1803-PRW1804	S83° 35' 57"E	201.69'
PRW1804-PRW1805	N88° 45' 11"E	547.00'
PRW1805-PRW1806	N48° 16' 22"E	29.03'
PRW1806-PRW1807	N88° 58' 35"E	23.00'
PRW1807-PRW1808	S65° 09' 26"E	36.67'
PRW1808-PRW1809	N88° 55' 60"E	65.73'
PRW1809-PRW1810	S01° 13' 44"E	2.42'
PRW1810-1811	N88° 45' 11"E	128.89'
1811-1812	N66° 57' 06"E	26.93'
1812-1813	N88° 45' 11"E	100.00'
1813-1814	N80° 13' 21"E	20.56'
1814-1815	S00° 29' 24"E	72.52'
1815-1816	S00° 29' 24"E	4.49'
1816-1817	S00° 29' 24"E	36.40'
1817-1818	S89° 30' 36"W	26.25'
1818-1819	S88° 37' 11"W	66.45'
1819-1820	S88° 46' 58"W	300.64'
1820-1821	S88° 45' 11"W	939.81'
1821-1822	N00° 43' 07"W	44.50'
1822-1823	N00° 43' 07"W	1.09'
1823-1800	N00° 43' 07"W	54.41'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
1800	166+31.25	-55.50'
PRW1801	166+50.00	-55.57'
PRW1802	166+50.00	-68.00'
PRW1803	168+00.00	-83.00'
PRW1804	170+00.00	-56.94'
PRW1805	175+47.00	-59.07'
PRW1806	175+69.00	-78.00'
PRW1807	175+92.00	-78.00'
PRW1808	176+25.00	-62.00'
PRW1809	176+91.00	-62.00'
PRW1810	176+91.00	-59.58'
1811	178+19.89	-59.53'
1812	178+44.90	-69.52'
1813	179+44.90	-69.47'
1814	179+65.23	-72.51'
1815	179+64.24	0.00'
1816	179+64.18	4.49'
1817	179+63.68	40.89'
1818	179+37.44	40.53'
1819	178+70.98	40.65'
1820	175+70.52	40.84'
1821	166+30.72	44.50'
1822	166+30.96	0.00'
1823	166+30.96	-1.09'

T 29 N R 7 E — 32 / 5 — T 28 N R 7 E
CALCULATED POSITION FROM M.C.
Y = 196463.570
X = 262774.668

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MARATHON COUNTY, NAD83 (2011) IN US 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"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STEWART AVE: R/W PLAT T 020-2(13), R/W PLAT 6999-08-21, CSM 1282, CSM 1998, CSM 8889, CSM 10488, AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR S 48TH AVE: R/W PLAT T 020-2(13), R/W PLAT 6999-08-21, CSM 8889, AND EXISTING CENTERLINE.

EXISTING ACCESS CONTROL ALONG STEWART AVE & S 48TH AVE HAS BEEN ESTABLISHED FROM R/W PLAT T 020-2(13).

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE CITY OF WAUSAU.

emcs.llc

I,KEVIN C. BOYER 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 CITY OF WAUSAU I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 11/3/2022
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF WAUSAU
SIGNATURE: Katie Rosenberg DATE: 11/3/2022
PRINT NAME: Katie Rosenberg

COMPOSITE DRAWING, THE ORIGINAL IS ON FILE AT THE MARATHON COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 6999-09-02-4.09

THAT PART OF LOT 1 OF CSM 1282 AND PART OF PARCEL 2 OF CSM 8889 LOCATED IN PART OF THE SW1/4 OF THE NE1/4 OF SECTION 32, TOWNSHIP 29 NORTH, RANGE 7 EAST, TOWN OF STETTIN, MARATHON COUNTY, WISCONSIN.

RELOCATION ORDER - LOC STR, C WAUSAU, STEWART AVENUE (S 72ND AVENUE TO S 48TH AVENUE), MARATHON COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE TOWN OF STETTIN DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

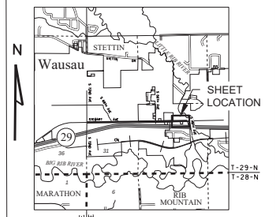
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 82.14(1), WISCONSIN STATUTES, THE TOWN OF STETTIN HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE TOWN OF STETTIN FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE TOWN OF STETTIN, PURSUANT TO THE PROVISIONS OF SECTION 82.14(1), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE TOWN OF STETTIN.

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	R/W SF REQUIRED NEW	EXISTING	TOTAL	TLE SF
28	MARLENE D. SAVATKE	FEE/TLE	1474	---	1474	1949
49	4905 STEWART AVE, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	897	---	897	2808

LOCATION SKETCH NOT TO SCALE



STATE OF WISCONSIN - MARATHON COUNTY
RECORDED
11-03-2022 at 3:21 PM
DEAN J. STRATZ, REGISTER OF DEEDS
DOC#: **1872556**
Pages: 2

REGISTER OF DEEDS
MARATHON COUNTY, WI
Received for Record this 3rd day of Nov.
A.D., 20 22, at 3:04 O'clock P M.
In Plat Cabinet No. 3 on page 57A
Dean J. Stratz
REGISTAR

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6999-09-02-4.09
AMENDMENT NO:___

FOUND GRANITE STONE MONUMENT
Y = 201753.915
X = 262708.321

T 29 N R 7 E — SECTION 29 / 32

ALL TLES ARE FOR SLOPE GRADING PURPOSES

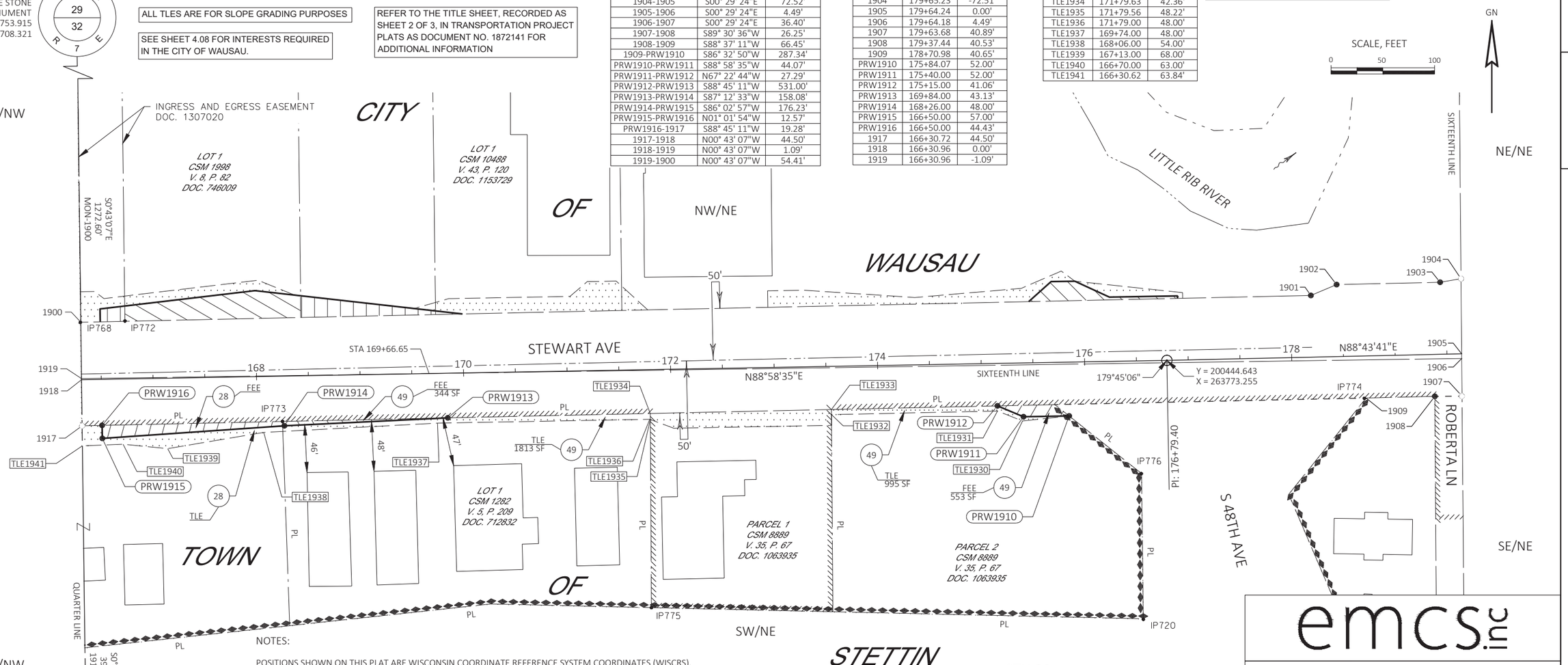
SEE SHEET 4.08 FOR INTERESTS REQUIRED IN THE CITY OF WAUSAU.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 1872141 FOR ADDITIONAL INFORMATION

COURSE TABLE		
COURSE	BEARING	DISTANCE
1900-1901	N88° 45' 11"E	1188.39'
1901-1902	N66° 57' 06"E	26.93'
1902-1903	N88° 45' 11"E	100.00'
1903-1904	N80° 13' 21"E	20.56'
1904-1905	S00° 29' 24"E	72.52'
1905-1906	S00° 29' 24"E	4.49'
1906-1907	S00° 29' 24"E	36.40'
1907-1908	S89° 30' 36"W	26.25'
1908-1909	S88° 37' 11"W	66.45'
1909-PRW1910	S86° 32' 50"W	287.34'
PRW1910-PRW1911	S88° 58' 35"W	44.07'
PRW1911-PRW1912	N67° 22' 44"W	27.29'
PRW1912-PRW1913	S88° 45' 11"W	531.00'
PRW1913-PRW1914	S87° 12' 33"W	158.08'
PRW1914-PRW1915	S86° 02' 57"W	176.23'
PRW1915-PRW1916	N01° 01' 54"W	12.57'
PRW1916-1917	S88° 45' 11"W	19.28'
1917-1918	N00° 43' 07"W	44.50'
1918-1919	N00° 43' 07"W	1.09'
1919-1900	N00° 43' 07"W	54.41'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
1900	166+31.25	-55.50'
1901	178+19.89	-59.53'
1902	178+44.90	-69.52'
1903	179+44.90	-69.47'
1904	179+65.23	-72.51'
1905	179+64.24	0.00'
1906	179+64.18	4.49'
1907	179+63.68	40.89'
1908	179+37.44	40.53'
1909	178+70.98	40.65'
PRW1910	175+84.07	52.00'
PRW1911	175+40.00	52.00'
PRW1912	175+15.00	41.06'
PRW1913	169+84.00	43.13'
PRW1914	168+26.00	48.00'
PRW1915	166+50.00	57.00'
PRW1916	166+50.00	44.43'
1917	166+30.72	44.50'
1918	166+30.96	0.00'
1919	166+30.96	-1.09'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1930	175+39.00	56.00'
TLE1931	175+15.00	46.00'
TLE1932	173+54.60	46.62'
TLE1933	173+54.65	41.68'
TLE1934	171+79.63	42.36'
TLE1935	171+79.56	48.22'
TLE1936	171+79.00	48.00'
TLE1937	169+74.00	48.00'
TLE1938	168+06.00	54.00'
TLE1939	167+13.00	68.00'
TLE1940	166+70.00	63.00'
TLE1941	166+30.62	63.84'



CALCULATED POSITION FROM M.C.
Y = 196463.570
X = 262774.668

T 28 N — R 7 E — SECTION 32 / 5

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MARATHON COUNTY, NAD83 (2011) IN US 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"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STEWART AVE: R/W PLAT T 020-2(13), R/W PLAT 6999-08-21, CSM 1282, CSM 1998, CSM 8889, CSM 10488, AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR S 48TH AVE: R/W PLAT T 020-2(13), R/W PLAT 6999-08-21, CSM 8889, AND EXISTING CENTERLINE.

EXISTING ACCESS CONTROL ALONG STEWART AVE & S 48TH AVE HAS BEEN ESTABLISHED FROM R/W PLAT T 020-2(13).

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE TOWN OF STETTIN.

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP720	200194.640	263750.491	3/4 IRON ROD
IP768	200481.318	262723.901	1-1/4" O.D. IRON PIPE
IP772	200482.590	262766.835	1-1/4" O.D. IRON PIPE
IP773	200385.679	262919.068	1-1/4" O.D. IRON PIPE
IP774	200407.919	263964.139	1-1/4" O.D. IRON PIPE
IP775	200205.853	263275.416	1-1/4" O.D. IRON PIPE
IP776	200335.189	263748.554	7/8" HEX BAR

emcs inc

I, KEVIN C. BOYER 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 TOWN OF STETTIN I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

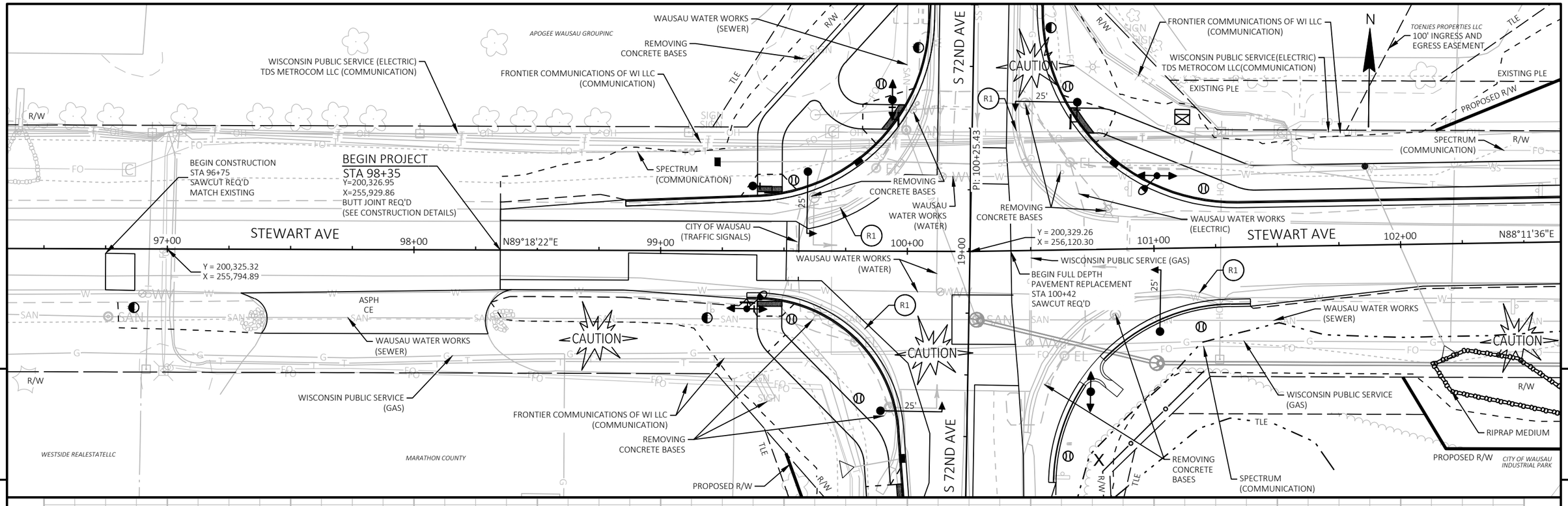
SIGNATURE: Kevin C. Boyer DATE: 11/3/2022
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

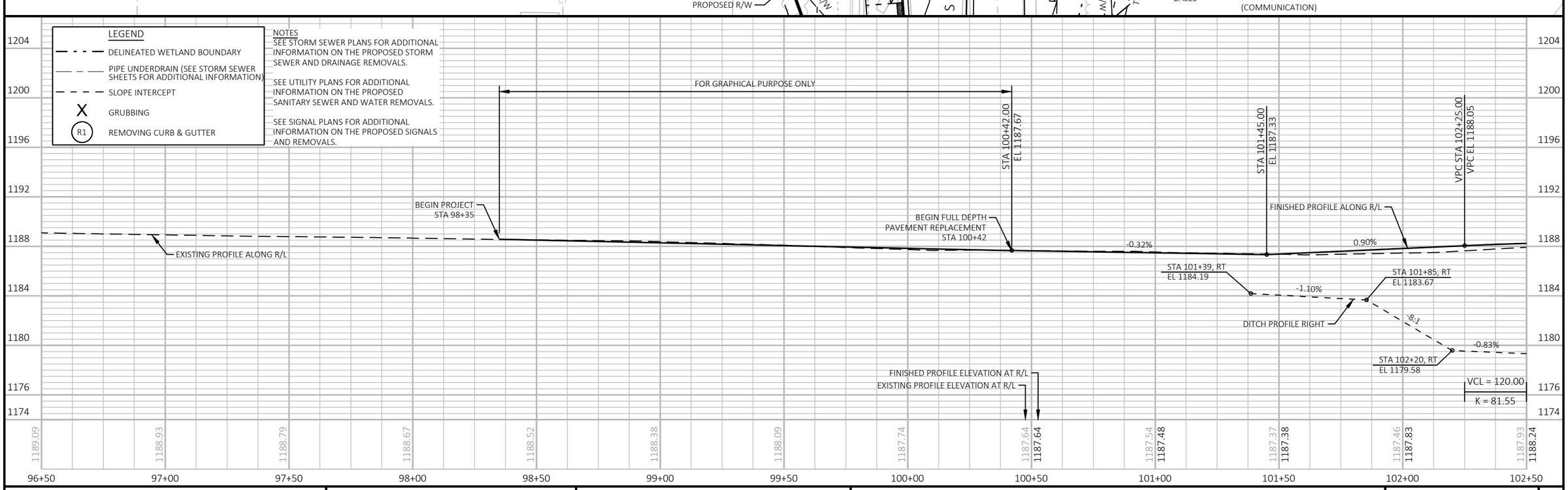
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE TOWN OF STETTIN

SIGNATURE: _____ DATE: 11/3/2022
PRINT NAME: Tim Buttke

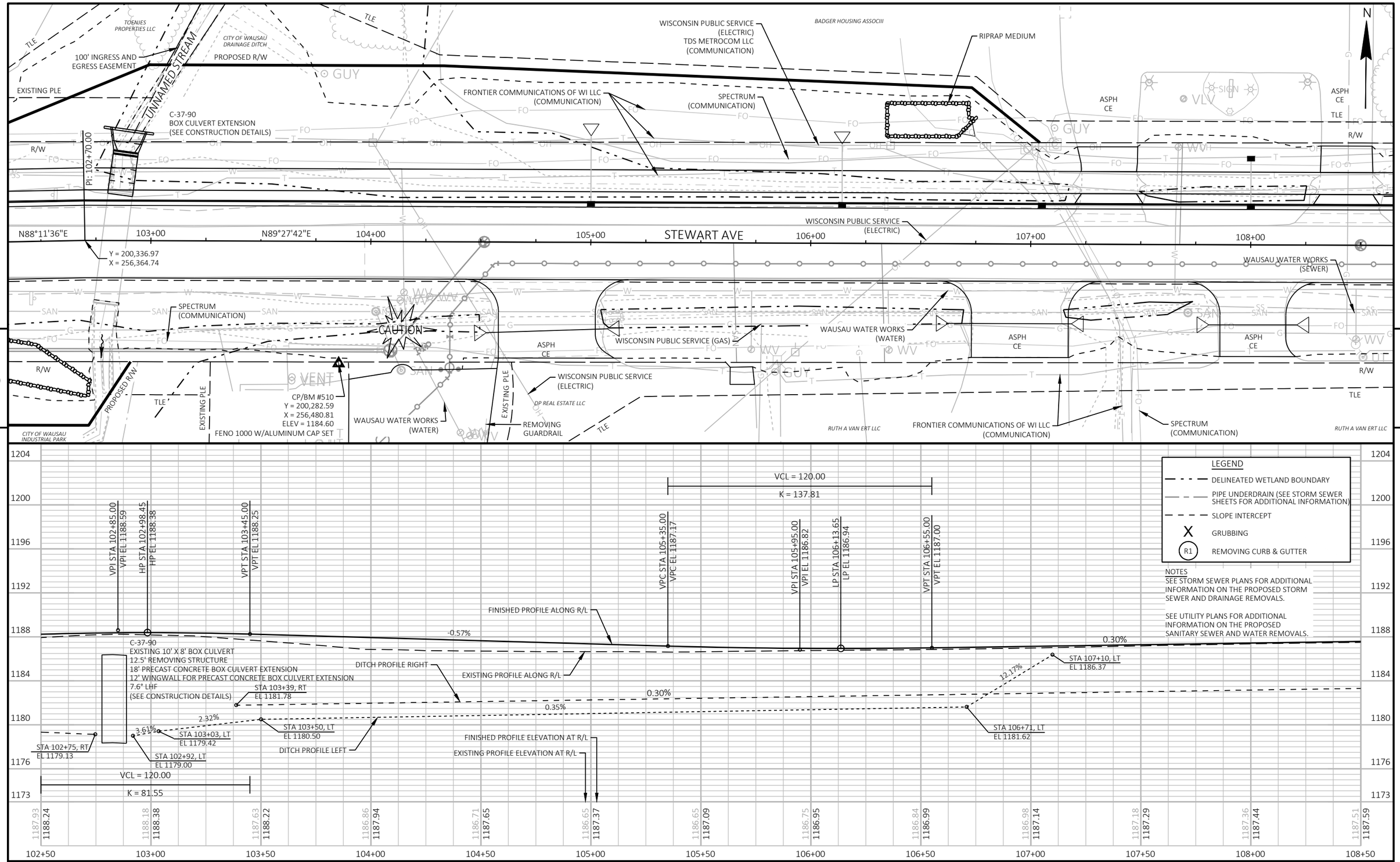
FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\TPP\040102-RP.DWG
PLOT DATE : 10/31/2022 1:15 PM
PLOT BY : DREW NELSON
PLOT NAME :
PLOT SCALE :
APPRAISAL PLAT DATE : 09/22/2022

6999-09-02-4.09





PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PLAN AND PROFILE: STEWART AVE	SHEET 238	E

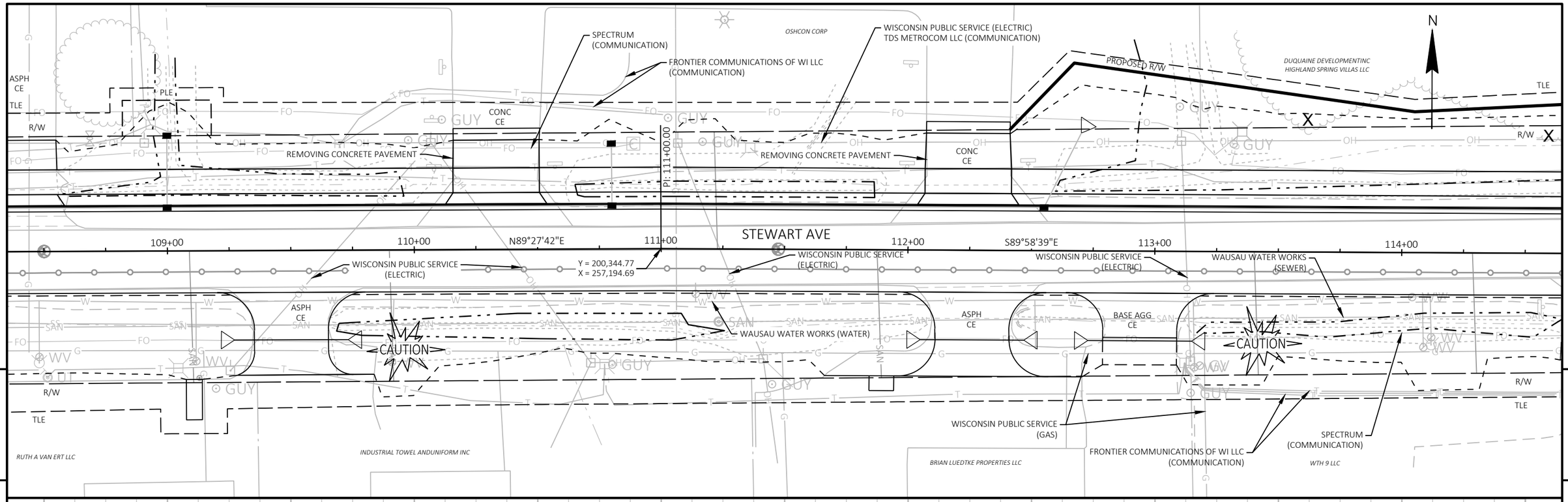


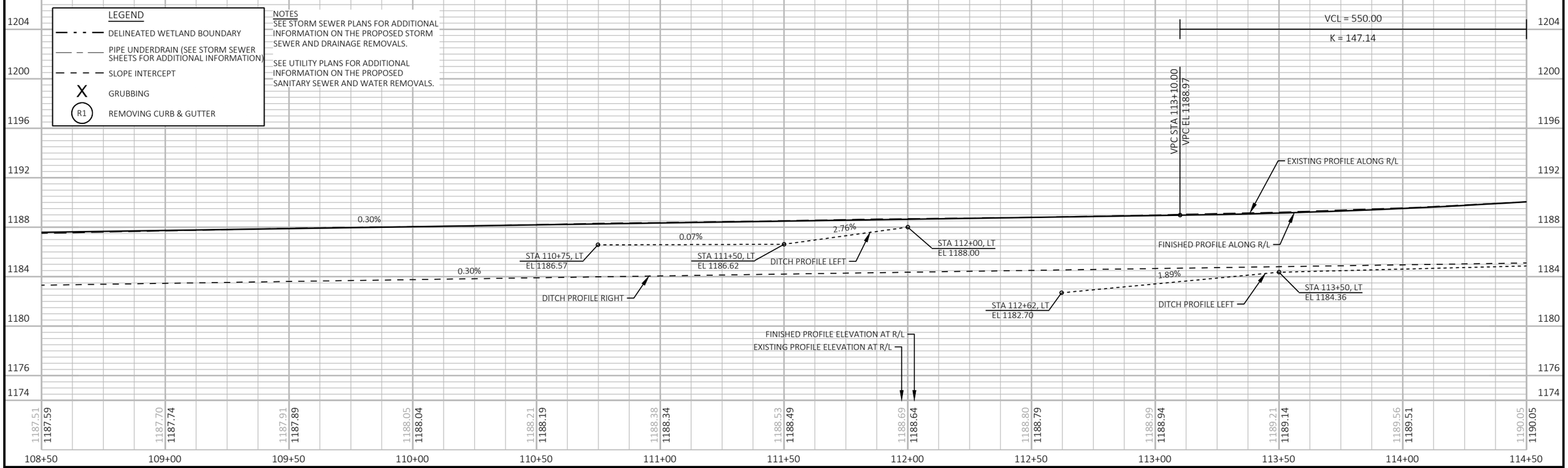
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PLAN AND PROFILE: STEWART AVE	SHEET 239	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 02

PLOT DATE : 11/1/2023 6:41 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PLAN AND PROFILE: STEWART AVE	SHEET 240	E

DUQUAINE DEVELOPMENTINC
HIGHLAND SPRING VILLAS LLC

WISCONSIN PUBLIC SERVICE (ELECTRIC)
TDS METROCOM LLC (COMMUNICATION)

WISCONSIN PUBLIC SERVICE (ELECTRIC)
TDS METROCOM LLC (COMMUNICATION)
FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

PROPOSED R/W

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

PI: 117+00.00

S 68TH AVE

40+50

CAUTION

TDS METROCOM LLC (COMMUNICATION)

GERALDINE M STEIF REVOC TRUST
STEIF FAMILY TRUST

WISCONSIN PUBLIC SERVICE (GAS)

PROPOSED R/W

DUQUAINE DEVELOPMENT INC

RIPRAP MEDIUM

BEGIN PIPE UNDERDRAIN 6-INCH
STA 119+34, 43' LT
(SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION)

PROPOSED CURB OPENING TO ACCOMMODATE SNOWMOBILE TRAIL

STEWART AVE

115+00 116+00 S89°58'39"E 117+00 118+00 N89°17'46"E 119+00 120+00

Y = 200,344.53
X = 257,794.69

ASPH FE

ASPH PE

CAUTION

WAUSAU WATER WORKS (SEWER)

BASE AGG FE

WISCONSIN PUBLIC SERVICE (GAS)

CAUTION

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

WISCONSIN PUBLIC SERVICE (ELECTRIC)
FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

PROPOSED R/W

SPECTRUM (COMMUNICATION)

WTH 9 LLC

GENERAL TELEPHONE CO

CITY OF WAUSAU
INDUSTRIAL SITE LAND

LEGEND

- DELINEATED WETLAND BOUNDARY
- PIPE UNDERDRAIN (SEE STORM SEWER SHEETS FOR ADDITIONAL INFORMATION)
- SLOPE INTERCEPT
- X GRUBBING
- (R1) REMOVING CURB & GUTTER

NOTES

SEE STORM SEWER PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED STORM SEWER AND DRAINAGE REMOVALS.

SEE UTILITY PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED SANITARY SEWER AND WATER REMOVALS.

VCL = 550.00

K = 147.14

VPT STA 118+60.00
VPT EL 1200.90

VPI STA 115+85.00
VPI EL 1189.79

FINISHED PROFILE ALONG R/L

DITCH PROFILE RIGHT

DITCH PROFILE LEFT

EXISTING PROFILE ALONG R/L

STA 120+50, RT
EL 1205.32

STA 120+00, RT
EL 1199.50

STA 119+50, RT
EL 1195.93

STA 118+00, LT
EL 1194.00

STA 118+39, LT
EL 1194.79

STA 118+19, RT
EL 1193.81

STA 117+94, RT
EL 1193.14

STA 115+50, RT
EL 1185.41

STA 115+89, LT
EL 1185.57

STA 116+25, RT
EL 1185.63

STA 116+71, RT
EL 1185.77

4.04%
11.64%
7.13%
1.62%
2.05%
2.67%
4.00%
6.00%
0.30%
0.51%
0.51%

FINISHED PROFILE ELEVATION AT R/L
EXISTING PROFILE ELEVATION AT R/L

| | | |

WISCONSIN PUBLIC SERVICE
(ELECTRIC)
TDS METROCOM LLC
(COMMUNICATION)
FRONTIER COMMUNICATIONS OF WI LLC
(COMMUNICATION)

GERALDINE M STEIF REVOC TRUST
STEIF FAMILY TRUST

FRONTIER COMMUNICATIONS OF WI LLC
(COMMUNICATION)

N

R/W

R/W

GRASS
FE

121+00 122+00 N89°17'46"E 123+00 STEWART AVE 124+00 125+00 126+00

CAUTION

CAUTION

SPECTRUM
(COMMUNICATION)

FRONTIER COMMUNICATIONS OF WI LLC
(COMMUNICATION)

WISCONSIN PUBLIC SERVICE
(GAS)

5

5

LEGEND

- DELINEATED WETLAND BOUNDARY
- PIPE UNDERDRAIN (SEE STORM SEWER SHEETS FOR ADDITIONAL INFORMATION)
- SLOPE INTERCEPT
- X GRUBBING
- R1 REMOVING CURB & GUTTER

NOTES
SEE STORM SEWER PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED STORM SEWER AND DRAINAGE REMOVALS.

SEE UTILITY PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED SANITARY SEWER AND WATER REMOVALS.

VPC STA 124+25.00
VPC EL 1223.71

FINISHED PROFILE ALONG R/L

EXISTING PROFILE ALONG R/L

4.04%

VPI STA 125+75.00
VPI EL 1229.77

STA 126+36
EL 1220.60

5.60%

VCL = 300.00

K = 80.26

ROCK PROFILE ALONG R/L

8.93%

FINISHED PROFILE ELEVATION AT R/L

EXISTING PROFILE ELEVATION AT R/L

STA 124+99
EL 1212.90

1232 1228 1224 1220 1216 1212 1208 1204 1203

120+50	121+00	121+50	122+00	122+50	123+00	123+50	124+00	124+50	125+00	125+50	126+00	126+50
1207.78	1209.84	1211.92	1213.98	1216.03	1218.01	1220.02	1221.78	1223.52	1224.81	1226.01	1226.86	1227.58
1208.57	1210.59	1212.61	1214.63	1216.64	1218.66	1220.68	1222.70	1224.68	1226.39	1227.78	1228.87	1229.64

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PLAN AND PROFILE: STEWART AVE	SHEET 242	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 05

PLOT DATE : 11/1/2023 6:41 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISCONSIN PUBLIC SERVICE (ELECTRIC)
TDS METROCOM LLC (COMMUNICATION)
FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

RODNEY J STEIF
PAULA KNOBLOCK

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

N

R/W

PI: 129+00.00

STEWART AVE

127+00 128+00 N89°17'46"E 129+00 130+00 N88°58'35"E 131+00 132+00

Y = 200,359.27
X = 258,994.59

CAUTION

CAUTION

WISCONSIN PUBLIC SERVICE (GAS)

SPECTRUM (COMMUNICATION)

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

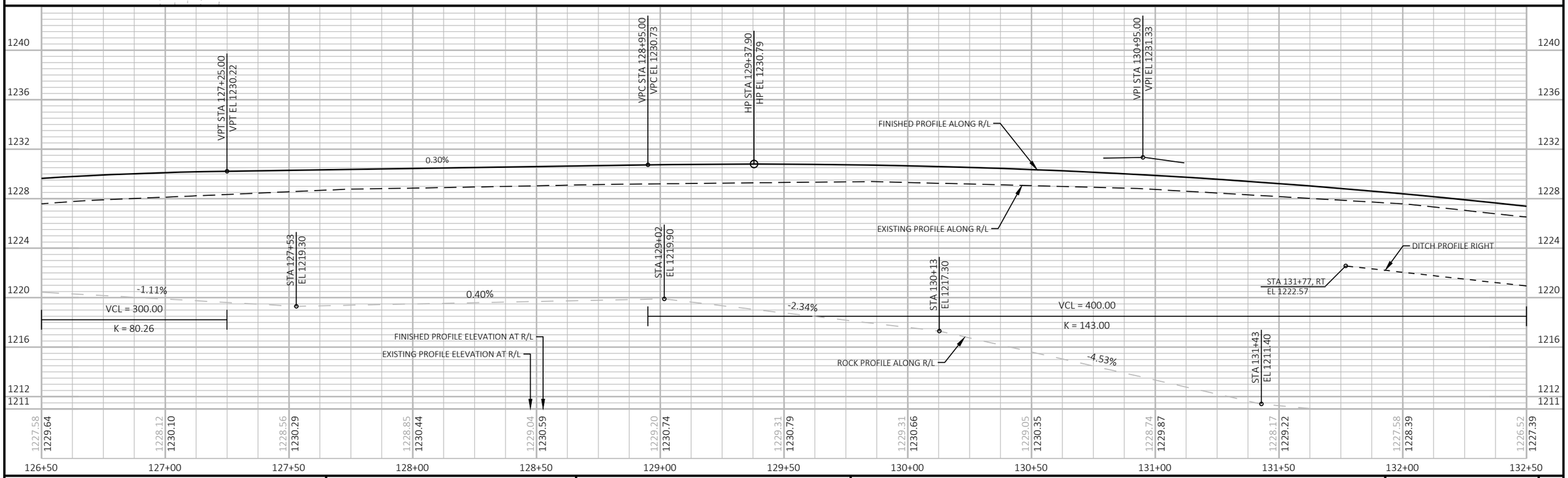
LEGEND

- DELINEATED WETLAND BOUNDARY
- PIPE UNDERDRAIN (SEE STORM SEWER SHEETS FOR ADDITIONAL INFORMATION)
- SLOPE INTERCEPT
- X GRUBBING
- R1 REMOVING CURB & GUTTER

NOTES

SEE STORM SEWER PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED STORM SEWER AND DRAINAGE REMOVALS.

SEE UTILITY PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED SANITARY SEWER AND WATER REMOVALS.



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PLAN AND PROFILE: STEWART AVE	SHEET 243	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 06

PLOT DATE : 11/1/2023 6:41 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

RODNEY J STEIF
PAULA KNOBLOCK

FRONTIER COMMUNICATIONS OF WI LLC
(COMMUNICATION)

WISCONSIN PUBLIC SERVICE
(ELECTRIC)
TDS METROCOM LLC
(COMMUNICATION)
FRONTIER COMMUNICATIONS OF WI LLC
(COMMUNICATION)

N

R/W

GRASS
FE

STEWART AVE

133+00 134+00 135+00 136+00 N88°58'35"E 137+00 138+00

CAUTION

CAUTION

WISCONSIN PUBLIC SERVICE
(GAS)

SPECTRUM
(COMMUNICATION)

FRONTIER COMMUNICATIONS OF WI LLC
(COMMUNICATION)

5

5

LEGEND
- DELINEATED WETLAND BOUNDARY
- PIPE UNDERDRAIN (SEE STORM SEWER SHEETS FOR ADDITIONAL INFORMATION)
- SLOPE INTERCEPT
- X GRUBBING
- (R1) REMOVING CURB & GUTTER

NOTES
SEE STORM SEWER PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED STORM SEWER AND DRAINAGE REMOVALS.

SEE UTILITY PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED SANITARY SEWER AND WATER REMOVALS.

VPT STA 132+95.00
VPT EL 1226.33

VCL = 400.00
K = 143.00

STA 132+86
EL 1208.80

ROCK PROFILE ALONG R/L

DITCH PROFILE RIGHT

EXISTING PROFILE ALONG R/L

-2.22%

-2.50%

STA 134+50, RT
EL 1216.50

FINISHED PROFILE ELEVATION AT R/L

EXISTING PROFILE ELEVATION AT R/L

FINISHED PROFILE ALONG R/L

VPC STA 135+95.00
VPC EL 1218.84

VCL = 700.00
K = 250.25

-2.20%

STA 137+00, RT
EL 1211.00

-3.09%

STA 138+34, RT
EL 1206.87

-0.55%

1236 1232 1228 1224 1220 1216 1212 1208 1206

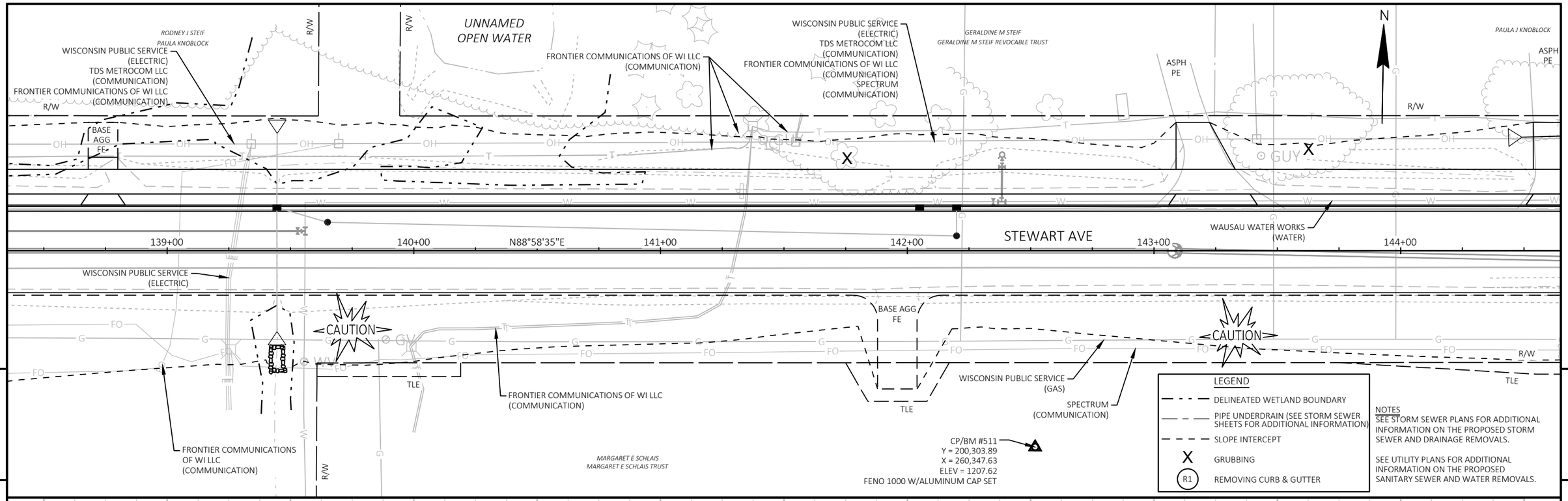
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1227.39	1226.21	1224.96	1223.71	1222.46	1221.21	1219.97	1218.72	1217.53	1216.44	1215.45	1214.56	1213.77

132+50 133+00 133+50 134+00 134+50 135+00 135+50 136+00 136+50 137+00 137+50 138+00 138+50

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PLAN AND PROFILE: STEWART AVE	SHEET 244	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 07

PLOT DATE : 11/1/2023 6:41 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PLAN AND PROFILE: STEWART AVE	SHEET 245	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 08

PLOT DATE : 11/1/2023 6:42 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

PAULA J KNOBLOCK
RODNEY J STEIF
GERADINE M STEIF
STEIF FAMILY TRUST
JAY C BLAHER
EDITH M ROSE
MARGARET E SCHLAIS
MARGARET E SCHLAIS TRUST

ASPH PE
15' INGRESS AND EGRESS EASEMENT
BASE AGG PE
R/W
TLE
FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)
WISCONSIN PUBLIC SERVICE (ELECTRIC)
TDS METROCOM LLC (COMMUNICATION)
FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)
SPECTRUM (COMMUNICATION)
WAUSAU WATER WORKS (WATER)
STEWART AVE
N88°58'35"E
145+00
146+00
147+00
148+00
149+00
150+00
CAUTION
WISCONSIN PUBLIC SERVICE (GAS)
SPECTRUM (COMMUNICATION)

5

LEGEND
- DELINEATED WETLAND BOUNDARY
- PIPE UNDERDRAIN (SEE STORM SEWER SHEETS FOR ADDITIONAL INFORMATION)
- SLOPE INTERCEPT
- X GRUBBING
- R1 REMOVING CURB & GUTTER

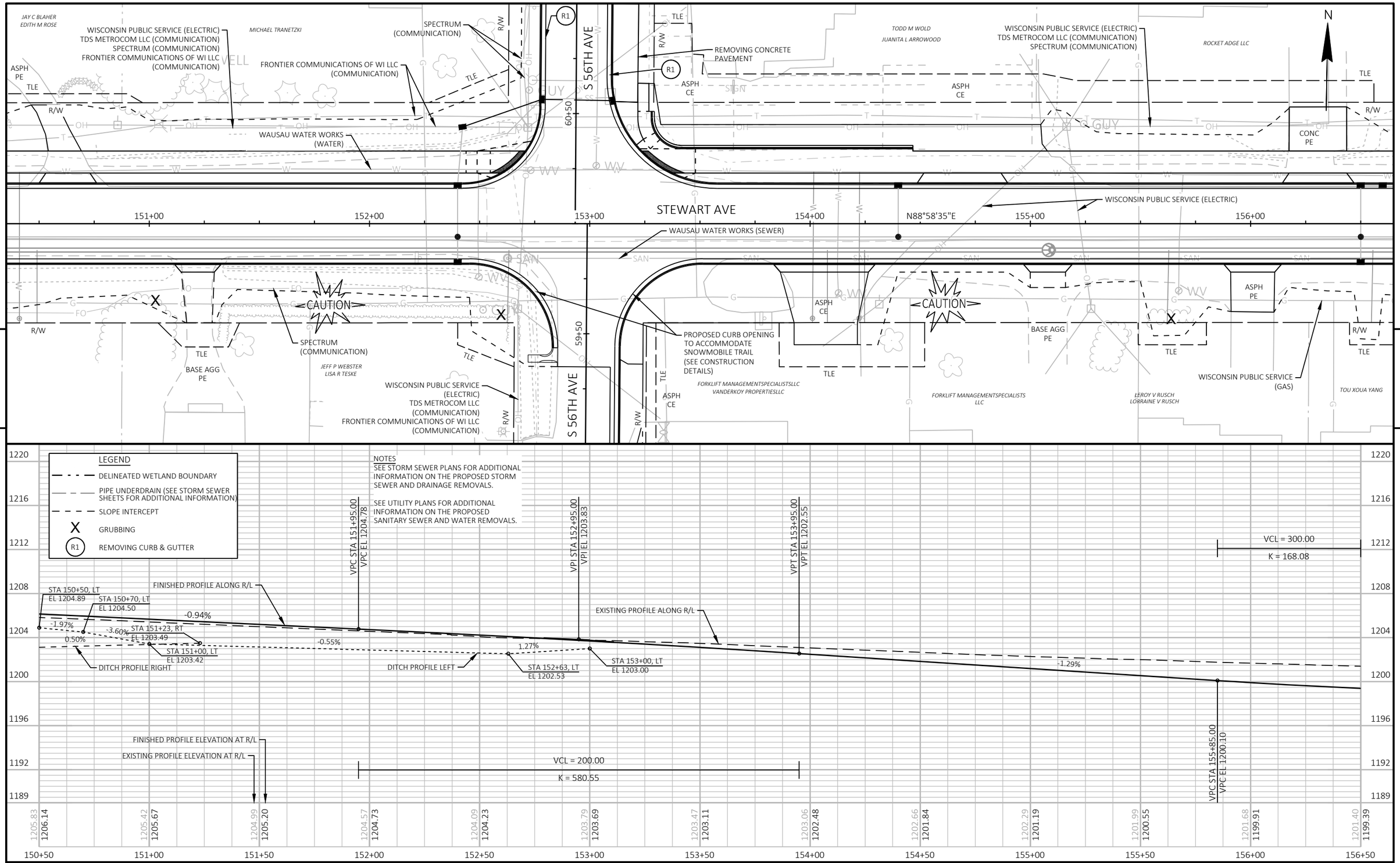
NOTES
SEE STORM SEWER PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED STORM SEWER AND DRAINAGE REMOVALS.

SEE UTILITY PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED SANITARY SEWER AND WATER REMOVALS.

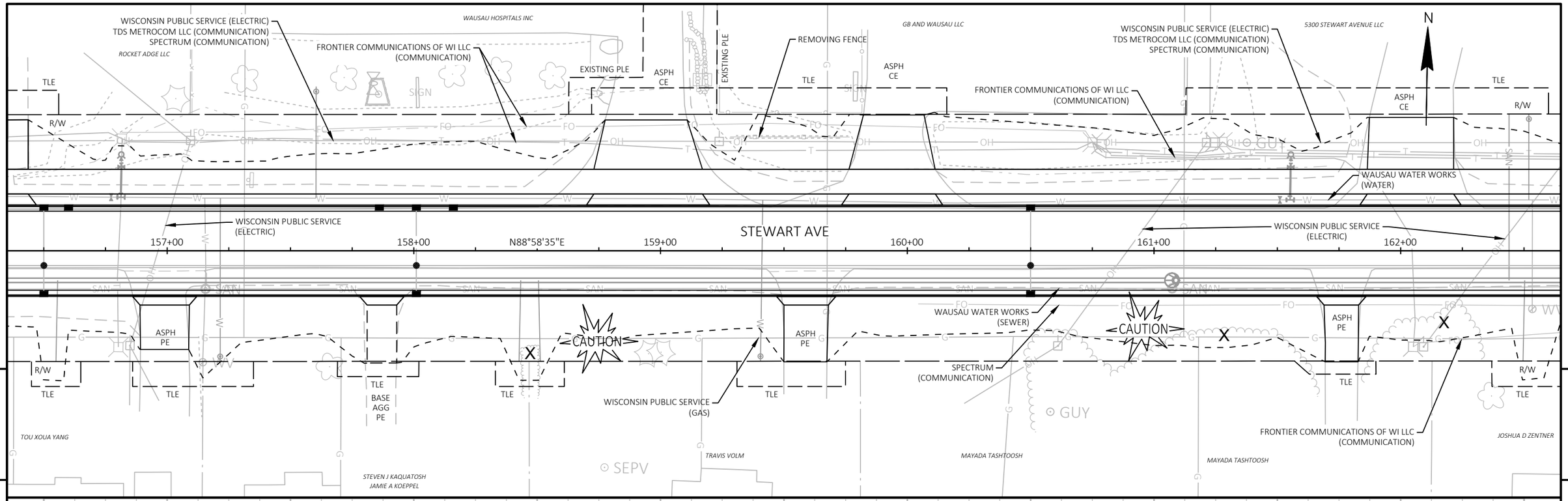
VPI STA 144+65.00
VPI EL 1211.66
VPT STA 145+65.00
VPT EL 1210.72
FINISHED PROFILE ALONG R/L
EXISTING PROFILE ALONG R/L
STA 144+71, LT
EL 1207.34
STA 144+59, LT
EL 1207.53
STA 145+50, RT
EL 1206.66
STA 146+00, RT
EL 1205.64
DITCH PROFILE RIGHT
STA 146+45, LT
EL 1205.34
STA 147+75, LT
EL 1204.38
STA 148+01, LT
EL 1205.41
DITCH PROFILE LEFT
STA 149+27, RT
EL 1204.00
STA 149+25, LT
EL 1206.03
STA 150+25, LT
EL 1204.77
STA 150+50, LT
EL 1204.89
STA 150+10, RT
EL 1202.92
-1.67%
-1.15%
-2.05%
-0.74%
-0.50%
4.00%
0.50%
-0.94%
-1.26%
-1.30%
0.50%
VCL = 200.00
K = 160.89
FINISHED PROFILE ELEVATION AT R/L
EXISTING PROFILE ELEVATION AT R/L

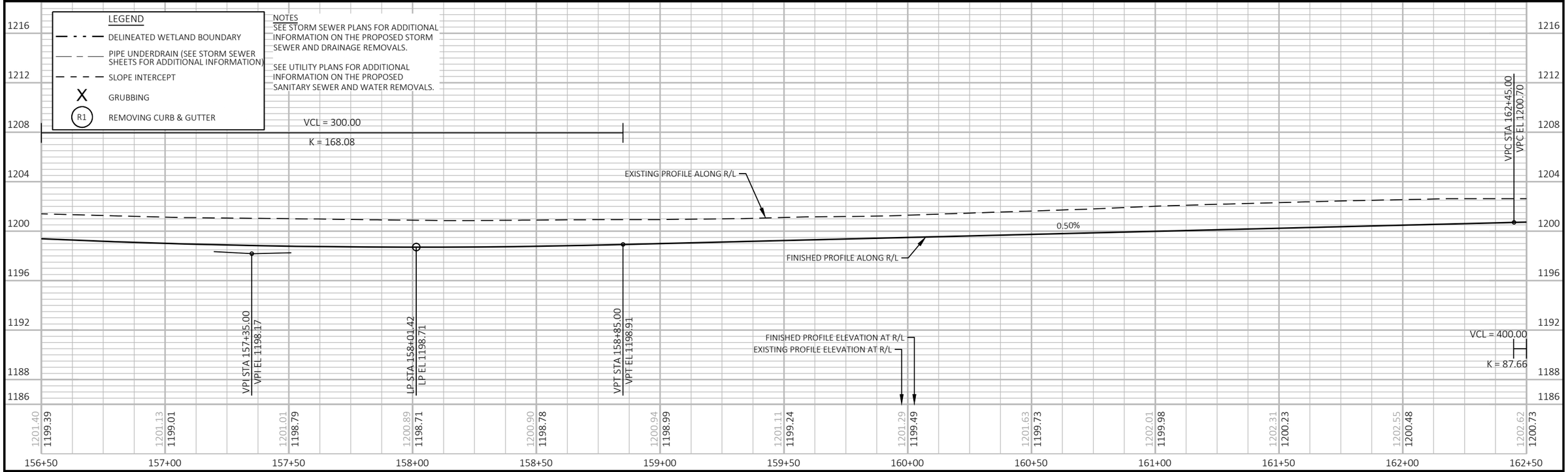
1224
1220
1216
1212
1208
1204
1200
1196
1194

| | | |



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PLAN AND PROFILE: STEWART AVE	SHEET 247	E





PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PLAN AND PROFILE: STEWART AVE	SHEET 248	E

5300 STEWART AVENUE LLC

5108 STEWART AVE LLC

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

WISCONSIN PUBLIC SERVICE (ELECTRIC)
TDS METROCOM LLC (COMMUNICATION)
SPECTRUM (COMMUNICATION)

12' INGRESS AND EGRESS EASEMENT

INGRESS AND EGRESS EASEMENT

PROPOSED R/W

TLE

R/W

BASE AGG FE

ASPH CE

STEWART AVE

WISCONSIN PUBLIC SERVICE (ELECTRIC)

N88°58'35"E

WISCONSIN PUBLIC SERVICE (ELECTRIC)

WAUSAU WATER WORKS (WATER)

163+00 164+00 165+00 166+00 167+00 168+00

ASPH PE

WAUSAU WATER WORKS (SEWER)

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

SPECTRUM (COMMUNICATION)

WISCONSIN PUBLIC SERVICE (GAS)

CAUTION

BASE AGG PE

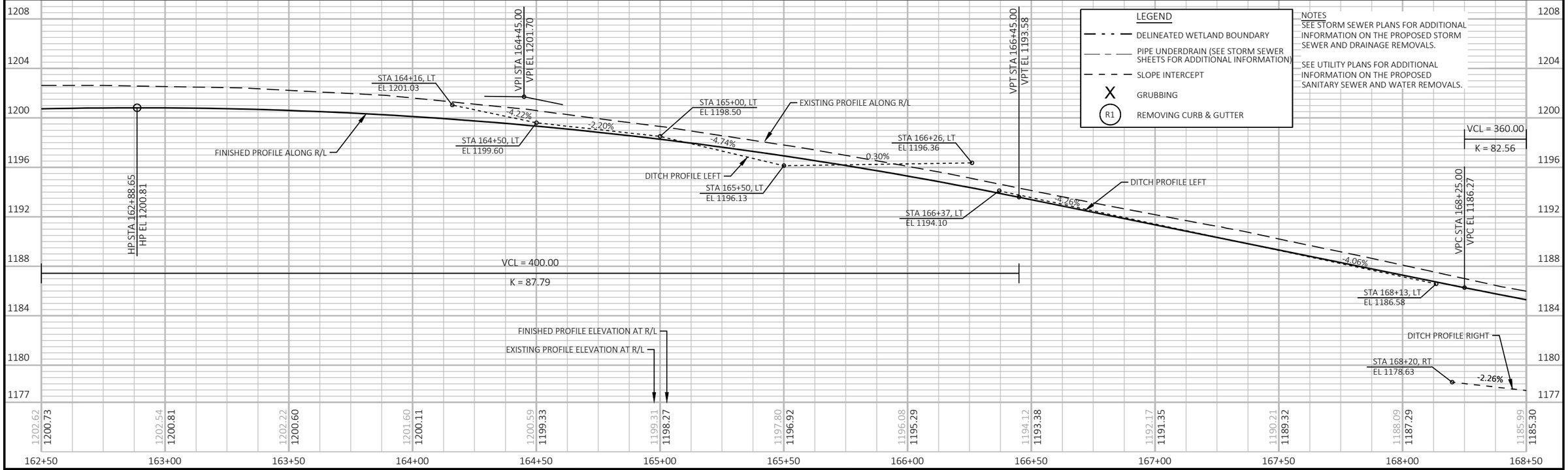
JOSHUA D ZENTNER

KORY J KUCIREK

MARLENE D SABATKE

5

5

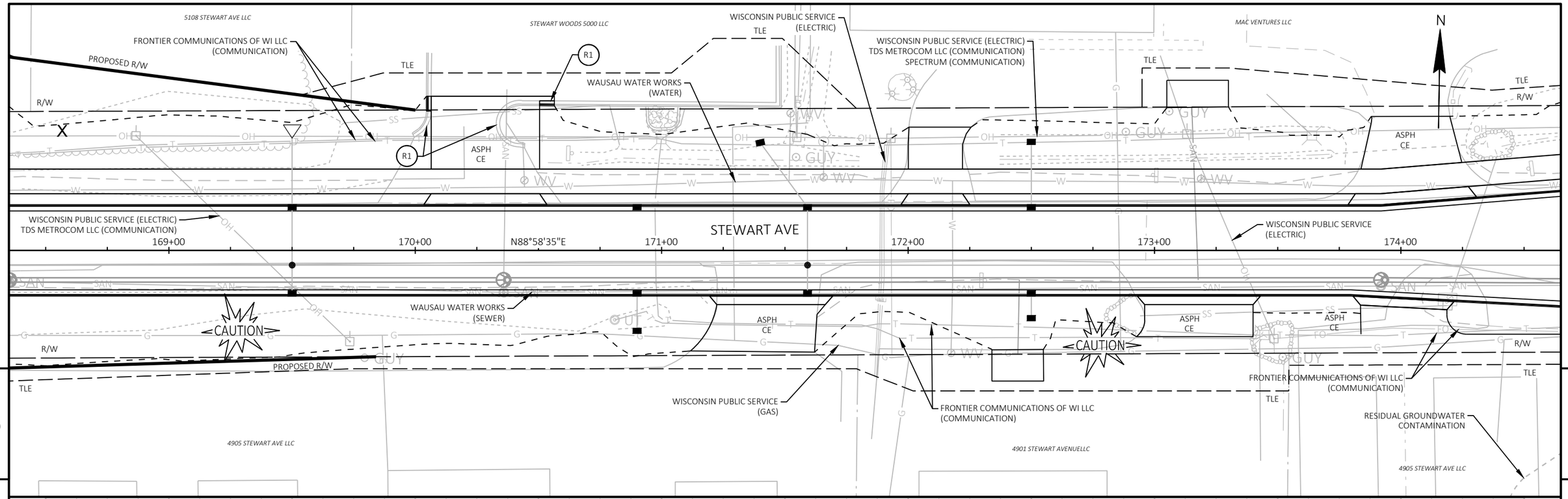


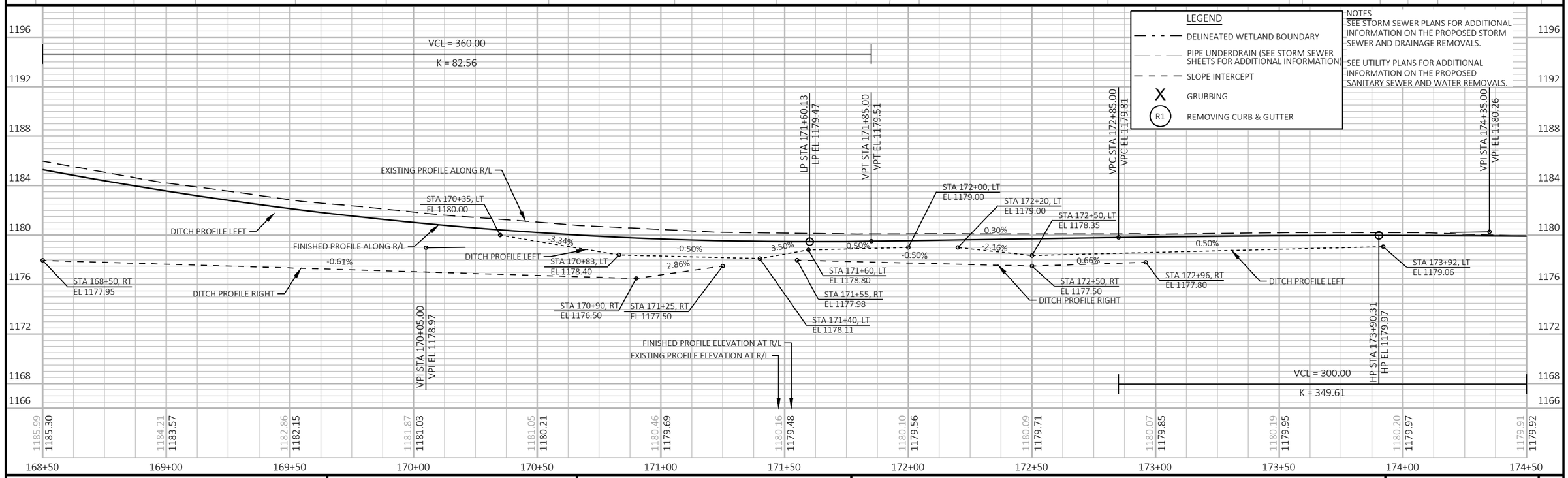
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PLAN AND PROFILE: STEWART AVE	SHEET 249	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 12

PLOT DATE : 11/1/2023 6:42 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44





LEGEND

- DELINEATED WETLAND BOUNDARY
- PIPE UNDERDRAIN (SEE STORM SEWER SHEETS FOR ADDITIONAL INFORMATION)
- SLOPE INTERCEPT
- X GRUBBING
- R1 REMOVING CURB & GUTTER

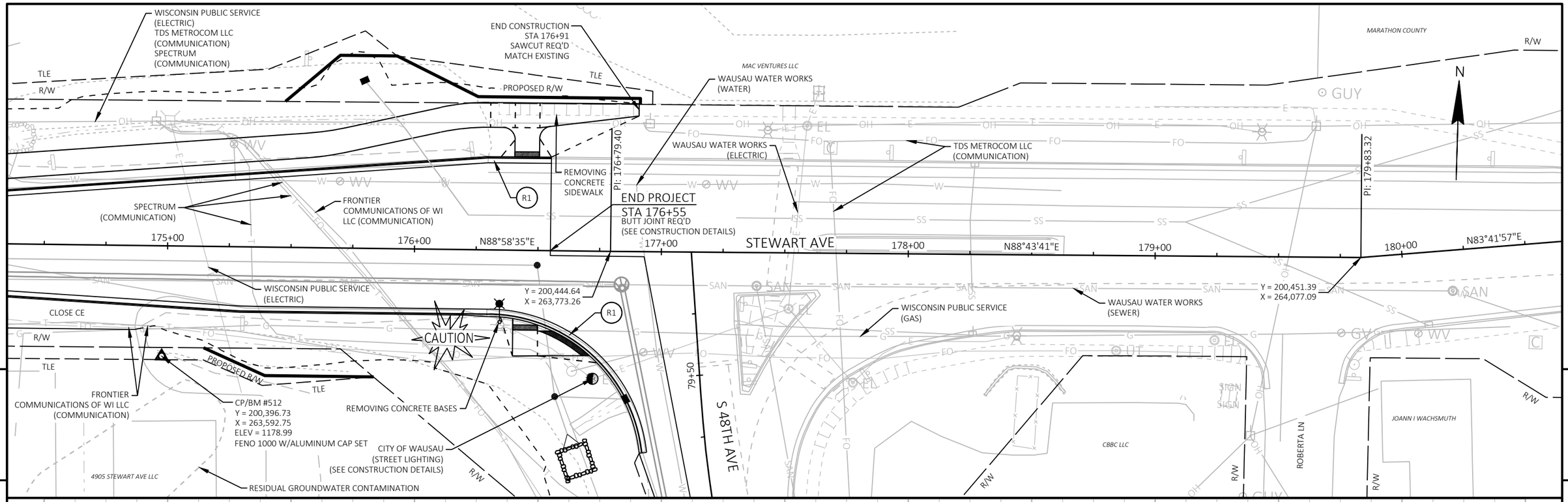
NOTES

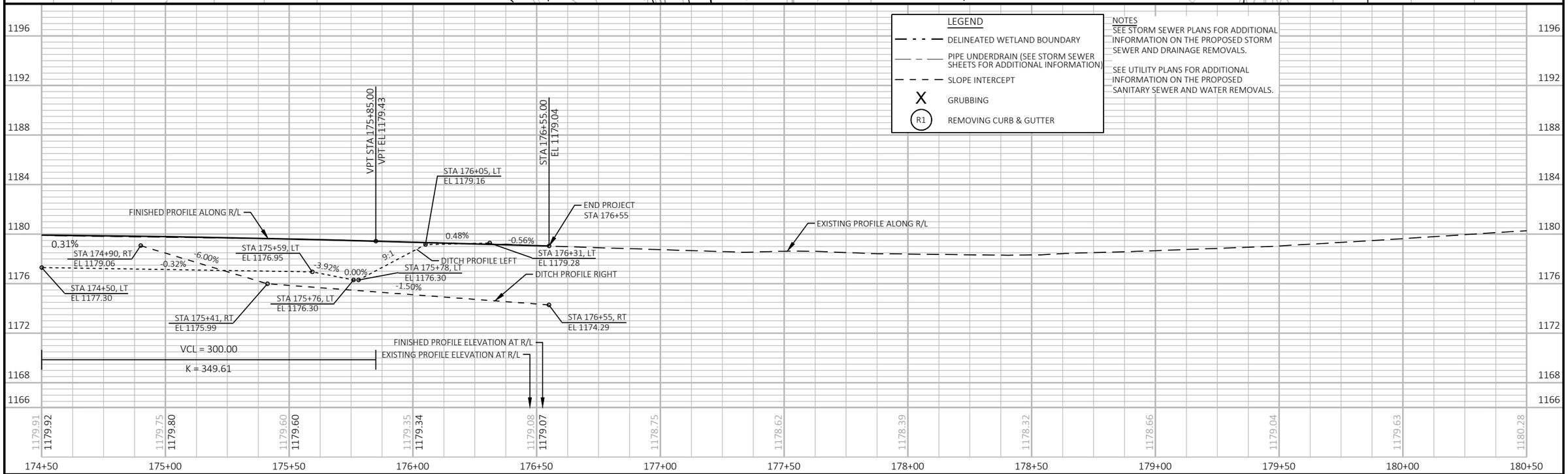
SEE STORM SEWER PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED STORM SEWER AND DRAINAGE REMOVALS.

SEE UTILITY PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED SANITARY SEWER AND WATER REMOVALS.

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PLAN AND PROFILE: STEWART AVE	SHEET 250	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 13
PLOT DATE : 11/1/2023 6:43 AM
PLOT BY : JESSICA SPLITTGERBER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PLAN AND PROFILE: STEWART AVE	SHEET 251	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 14
PLOT DATE : 11/1/2023 6:43 AM
PLOT BY : JESSICA SPLITTGERBER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

LEGEND

- DELINEATED WETLAND BOUNDARY
- PIPE UNDERDRAIN 8-INCH
- SLOPE INTERCEPT
- X — GRUBBING
- (R1) — REMOVING CURB & GUTTER

NOTES

SEE STORM SEWER PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED STORM SEWER AND DRAINAGE REMOVALS.

SEE UTILITY PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED SANITARY SEWER AND WATER REMOVALS.

SEE SIGNAL PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED SIGNALS AND REMOVALS.

N

MARATHON COUNTY

BEGIN PROJECT
STA 98+35
Y=200,326.95
X=255,929.86
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

STEWART AVE

WISCONSIN PUBLIC SERVICE (ELECTRIC)
TDS METROCOM LLC (COMMUNICATION)

SPECTRUM (COMMUNICATION)

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

WISCONSIN PUBLIC SERVICE (GAS)

WAUSAU WATER WORKS (SEWER)

CAUTION

CITY OF WAUSAU (TRAFFIC SIGNAL)

PROPOSED R/W

CITY COUNTY IT COMMISSION (COMMUNICATION)

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

R/W

TLE

BEGIN CONSTRUCTION
STA 14+60
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

S 72ND AVE

N0°07'44"E

14+00 15+00 16+00 17+00 18+00 19+00 20+00

99+00 100+00 101+00 102+00

25'

R1

89°

88°

WAUSAU WATER WORKS (WATER)

Y = 199,829.25
X = 256,119.17

BEGIN CONSTRUCTION
STA 15+25
BUTT JOINTS REQ'D
(SEE CONSTRUCTION DETAILS)

STA 19+00.00 =
STA 100+25.43
Y=200,329.26
X=256,120.30
BEGIN FULL DEPTH PAVEMENT REPLACEMENT
STA 100+42
SAWCUT REQ'D

STA 17+75 - STA 18+53, RT
FENCE CHAIN LINK
SALVAGED 6-FT

CITY OF WAUSAU INDUSTRIAL PARK

UNNAMED STREAM

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

TDS METROCOM LLC (COMMUNICATION)

EXISTING PLE

100' INGRESS EGRESS EASEMENT

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PLAN: S 72ND AVE	SHEET 252	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 01

PLOT DATE : 12/11/2023 11:07 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

BEGIN PROJECT
STA 98+35
Y=200,326.95
X=255,929.86
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

LEGEND
- DELINEATED WETLAND BOUNDARY
- PIPE UNDERDRAIN 8-INCH
- SLOPE INTERCEPT
- X GRUBBING
- (R1) REMOVING CURB & GUTTER

NOTES
SEE STORM SEWER PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED STORM SEWER AND DRAINAGE REMOVALS.

SEE UTILITY PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED SANITARY SEWER AND WATER REMOVALS.

SEE SIGNAL PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED SIGNALS AND REMOVALS.

N

STEWART AVE

WISCONSIN PUBLIC SERVICE (ELECTRIC)
TDS METROCOM LLC (COMMUNICATION)

SPECTRUM (COMMUNICATION)

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

WISCONSIN PUBLIC SERVICE (GAS)

WAUSAU WATER WORKS (SEWER)

CITY OF WAUSAU (TRAFFIC SIGNAL)

PROPOSED R/W

CAUTION

APOGEE WAUSAU GROUPINC

REMOVING CONCRETE BASES

REMOVING CONCRETE PAVEMENT

WAUSAU WATER WORKS (WATER)

WAUSAU WATER WORKS (SEWER)

ASPH CE

R/W

TLE

25'

99+00

100+00

101+00

102+00

18+00

19+00

20+00

21+00

22+00

23+00

24+00

S 72ND AVE

N0°07'44"E

END CONSTRUCTION
STA 23+61
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

Y = 200,829.25
X = 256,121.42

WAUSAU WATER WORKS (WATER)

STA 19+00.00 =
STA 100+25.43
Y=200,329.26
X=256,120.30
BEGIN FULL DEPTH PAVEMENT REPLACEMENT
STA 100+42
SAWCUT REQ'D

WISCONSIN PUBLIC SERVICE (GAS)

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

WISCONSIN PUBLIC SERVICE (ELECTRIC)

TDS METROCOM LLC (COMMUNICATION)

EXISTING PLE

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

TOENJES PROPERTIES LLC

100' INGRESS EGRESS EASEMENT

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PLAN: S 72ND AVE	SHEET 253	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 02

PLOT DATE : 11/1/2023 6:44 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND

- DELINEATED WETLAND BOUNDARY
- PIPE UNDERDRAIN 8-INCH
- SLOPE INTERCEPT
- X GRUBBING
- (R1) REMOVING CURB & GUTTER

NOTES

SEE STORM SEWER PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED STORM SEWER AND DRAINAGE REMOVALS.

SEE UTILITY PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED SANITARY SEWER AND WATER REMOVALS.

CITY OF WAUSAU
INDUSTRIAL SITE LAND

DUQUAINE DEVELOPMENTINC
HIGHLAND SPRING VILLAS LLC

STEIF FAMILY TRUST
GERALDINE M STEIF REVOC TRUST

WAUSAU WATER WORKS (WATER)

WAUSAU WATER WORKS (SEWER)

WISCONSIN PUBLIC SERVICE (GAS)

SPECTRUM (COMMUNICATION)

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

WISCONSIN PUBLIC SERVICE (ELECTRIC)
TDS METROCOM LLC (COMMUNICATION)
FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

WISCONSIN PUBLIC SERVICE (ELECTRIC)

WISCONSIN PUBLIC SERVICE (GAS)

TDS METROCOM LLC (COMMUNICATION)

STA 40+00.00 =
STA 118+90.90
Y=200,346.88
X=257,985.59

PROPOSED R/W

TLE

R/W

STEWART AVE

S 68TH AVE

N0°25'16"E

N43°46'53"W

89°

119+00

120+00

41+00

42+00

CURVE 1

PC: 40+75.86

PT: 42+22.44

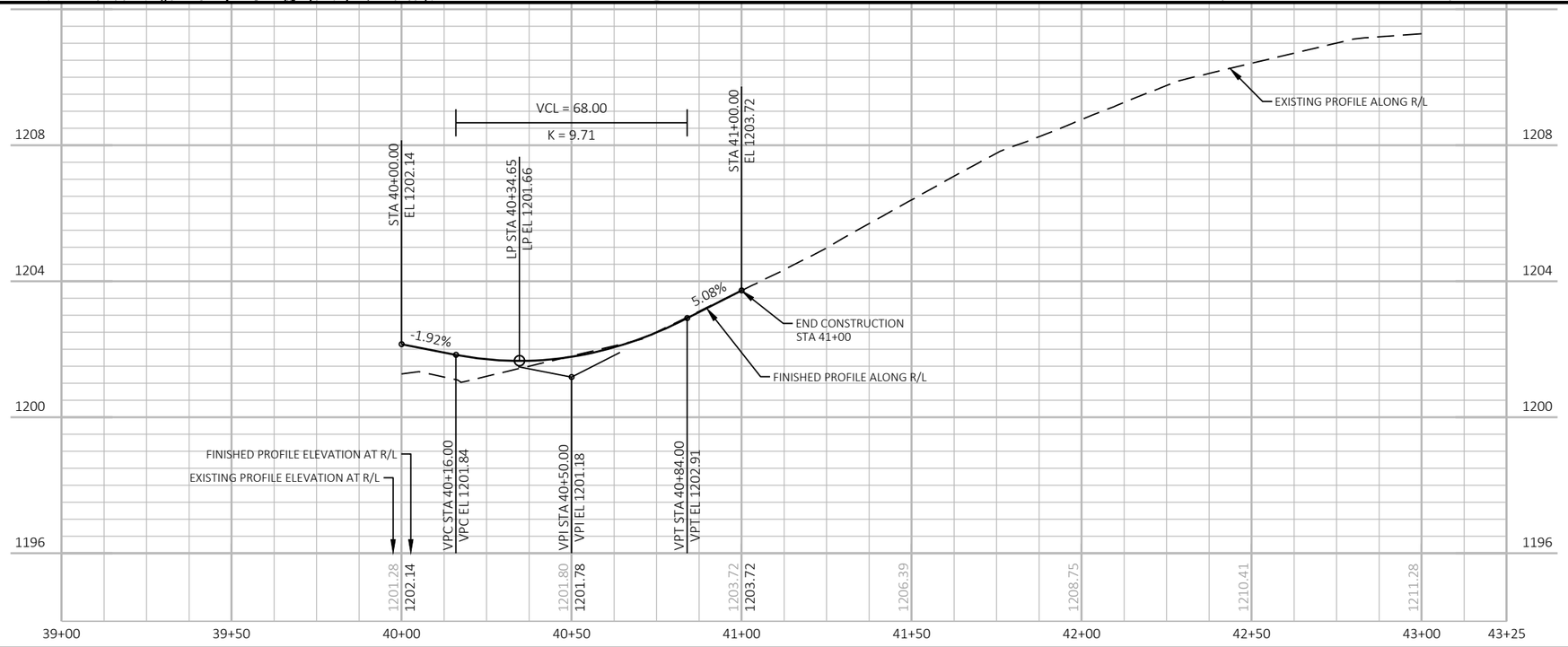
EP: 43+00.00

Y = 200,611.59
X = 257,879.67

CAUTION

END CONSTRUCTION
STA 41+00
SAWCUT REQ'D
MATCH EXISTING

CURVE NO. 1
PI STA = 41+53.02
Y = 200499.89
X = 257986.71
PC STA = 40+75.86
Y=200422.74
X=257986.15
PT STA = 42+22.44
Y=200555.60
X=257933.33
DELTA = 44°12'09"
D = 30°09'20"
T = 77.16'
L = 146.58'
R = 190.00'



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PLAN AND PROFILE: S 68TH AVE	SHEET 254	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 03

PLOT DATE : 11/1/2023 6:45 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND
- DELINEATED WETLAND BOUNDARY
- PIPE UNDERDRAIN 8-INCH
- SLOPE INTERCEPT
- X GRUBBING
- (R1) REMOVING CURB & GUTTER

NOTES
SEE STORM SEWER PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED STORM SEWER AND DRAINAGE REMOVALS.

SEE UTILITY PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED SANITARY SEWER AND WATER REMOVALS.

STH 29 WB

S 56TH AVE

STEWART AVE

JEFF P WEBSTER
LISA R TESKE

VANDERKOY PROPERTIES LLC
FORKLIFT MANAGEMENTSPECIALISTS LLC

MICHAEL TRANETZKI

TODD M WOLD
JUANITA L ARROWOOD

BP: 58+00.00

EP: 63+00.00

Y = 200,202.13
X = 261,394.99

N0°33'26"W

59+00

61+00

N0°37'05"W

62+00

Y = 200,702.01
X = 261,384.36

153+00

WISCONSIN PUBLIC SERVICE (ELECTRIC)

SPECTRUM (COMMUNICATION)

WISCONSIN PUBLIC SERVICE (ELECTRIC)
TDS METROCOM LLC (COMMUNICATION)
FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATIONS)

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

SPECTRUM (COMMUNICATION)

WISCONSIN PUBLIC SERVICE (ELECTRIC)
TDS METROCOM LLC (COMMUNICATION)

WISCONSIN PUBLIC SERVICE (ELECTRIC)

ASPH
PE

CONC
PE

BEGIN CONSTRUCTION
STA 59+35
SAWCUT REQ'D
MATCH EXISTING

BEGIN CONSTRUCTION
STA 58+80
SAWCUT REQ'D
MATCH EXISTING

STA 60+00.00 =
STA 152+93.36
Y=200,402.02
X=261,387.60

END CONSTRUCTION
STA 61+00
SAWCUT REQ'D
MATCH EXISTING

REMOVING CONCRETE PAVEMENT

STA 60+00.00 =
STA 152+98.82
Y=200,402.12
X=261,393.05

ASPH
CE

ASPH
CE

WAUSAU WATER WORKS (SEWER)

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

WISCONSIN PUBLIC SERVICE (ELECTRIC)
TDS METROCOM LLC (COMMUNICATION)

WAUSAU WATER WORKS (WATER)

CAUTION

90°

R/W

TLE

SAN

W

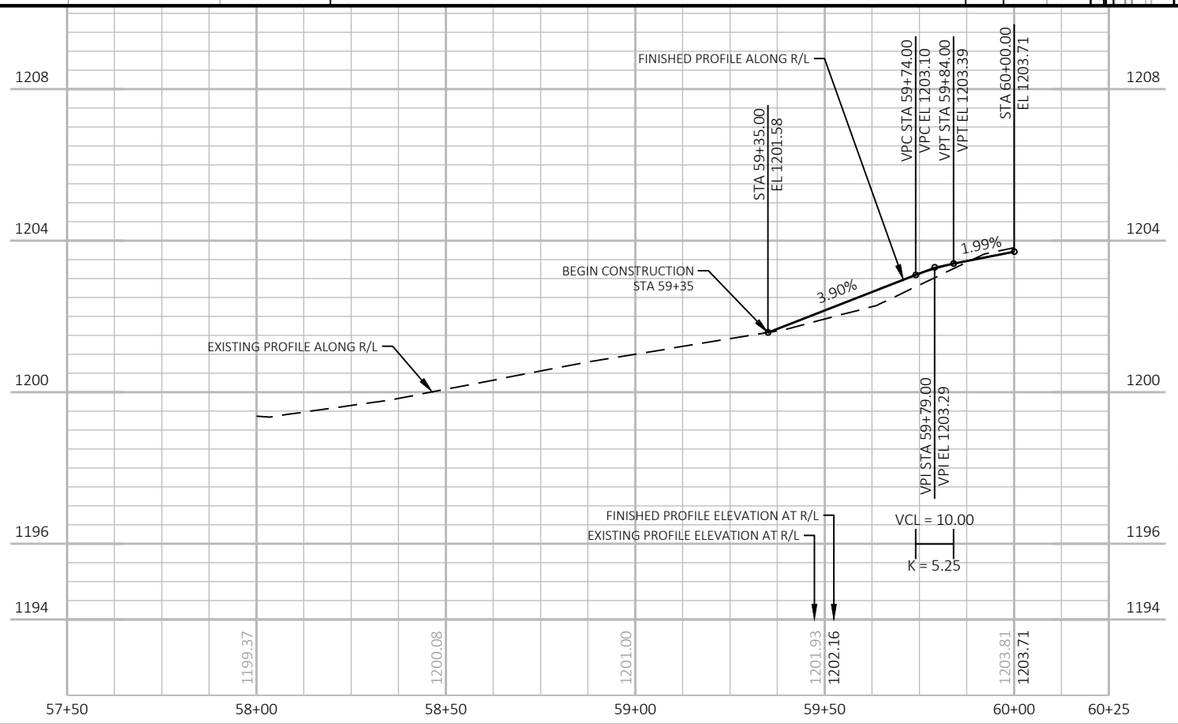
G

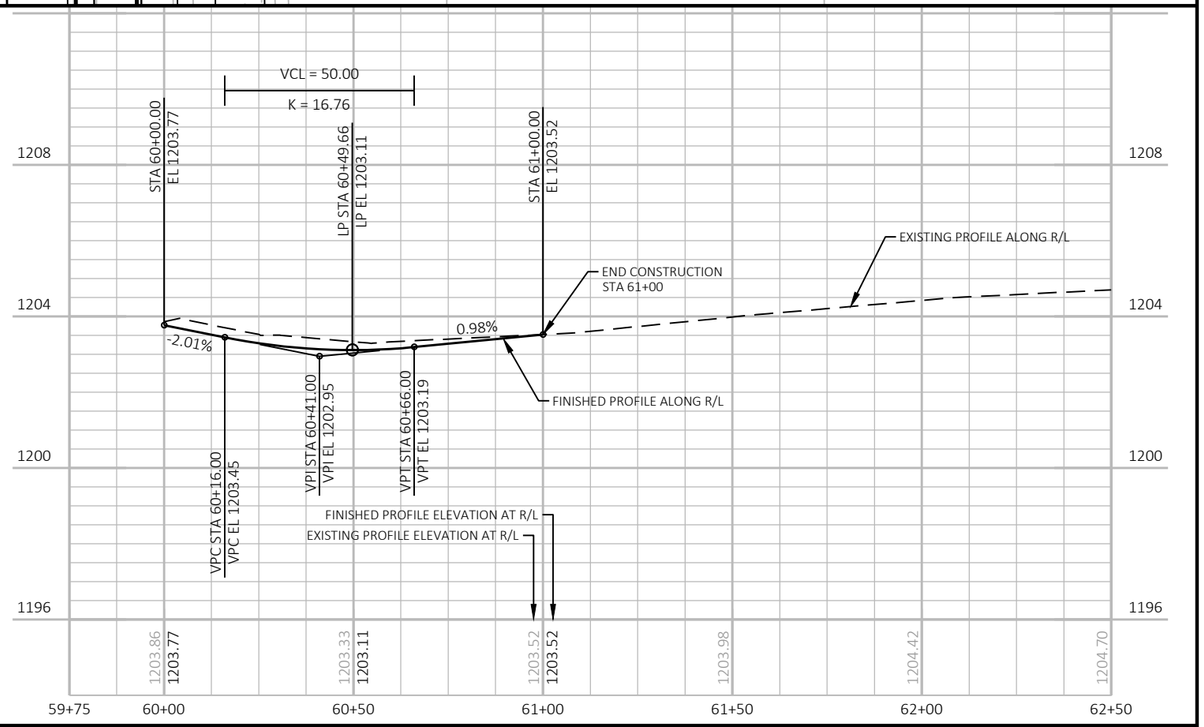
OHP

FO

BGT

POS





PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PLAN AND PROFILE: S 56TH AVE	SHEET 255	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 04

PLOT DATE : 11/1/2023 6:45 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND

- DELINEATED WETLAND BOUNDARY
- PIPE UNDERDRAIN 8-INCH
- SLOPE INTERCEPT
- X — GRUBBING
- (R1) — REMOVING CURB & GUTTER

NOTES

SEE STORM SEWER PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED STORM SEWER AND DRAINAGE REMOVALS.

SEE UTILITY PLANS FOR ADDITIONAL INFORMATION ON THE PROPOSED SANITARY SEWER AND WATER REMOVALS.

STH 29 WB

S 48TH AVE

N25°52'16"W

BP: 76+00.00

Y = 200,069.15
X = 263,929.77

BEGIN CONSTRUCTION
STA 78+03, RT
SAWCUT REQ'D
MATCH EXISTING

PC: 77+55.06

CURVE 2

78+00

79+00

77+00

N5°33'47"W

94°

177+00

176+00

178+00

179+00

END PROJECT
STA 176+55
SAWCUT REQ'D
MATCH EXISTING

STA 80+00.00 =
STA 177+12.11
Y=200,445.37
X=263,805.95

END CONSTRUCTION
STA 176+91
SAWCUT REQ'D
MATCH EXISTING

PT: 79+42.91

STEWART AVE

LITTLE RIB RIVER

PROPOSED R/W

R/W

TLE

4905 STEWART AVE LLC

FRONTIER COMMUNICATIONS OF WI LLC
(COMMUNICATION)

RIPRAP MEDIUM

SPECTRUM
(COMMUNICATION)

BASE AGG
CE

WAUSAU WATER WORKS
(WATER)

WAUSAU WATER WORKS
(SEWER)

TDS METROCOM LLC
(COMMUNICATION)

CITY OF WAUSAU
(STREET LIGHTING)

WISCONSIN PUBLIC SERVICE
(GAS)

CAUTION

WISCONSIN PUBLIC SERVICE
(ELECTRIC)
TDS METROCOM LLC
(COMMUNICATION)

MAC VENTURES LLC

CBBC LLC

CURVE NO. 2
PI STA = 78+49.98
Y = 200294.07
X = 263820.69
PC STA = 77+55.06
Y=200208.66
X=263862.11
PT STA = 79+42.91
Y=200388.55
X=263811.49
DELTA = 20°18'29"
D = 10°48'38"
T = 94.92'
L = 187.86'
R = 530.00'

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	PLAN: S 48TH AVE	SHEET 256	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 05

PLOT DATE : 11/1/2023 6:45 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

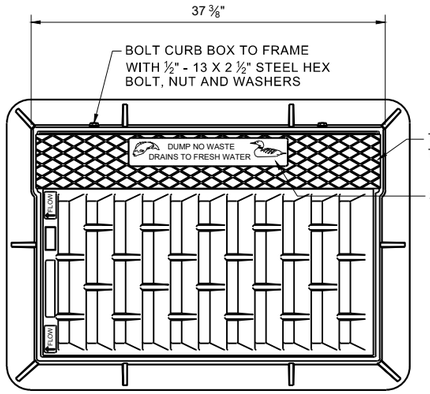
Standard Detail Drawing List

08A05-20A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-20B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-20D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A08-02	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08A09-02	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-03	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-07	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-21A	CURB RAMPS TYPES 1 AND 1-A
08D05-21B	CURB RAMPS TYPES 2 AND 3
08D05-21C	CURB RAMPS TYPES 4A AND 4A1
08D05-21D	CURB RAMPS TYPE 4B AND 4B1
08D05-21E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-21F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-21G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-04	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08D19-04	DRIVEWAY AND SIDEWALK RAMPS TYPE Z
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
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B04-12	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C06-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09C08-06	CONCRETE BASE, TYPE 7
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09E01-15A	POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2
09E01-15C	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 4
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09F08-04	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW ASPHALTIC PAVEMENT)
09F10-04	LOOP DETECTOR INSTALLED IN EXISTING OR NEW ASPHALTIC PAVEMENT WITH NEW ASPHALTIC OVERLAY
12A03-10	NAME PLATE (STRUCTURES)
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C19-03	HMA LONGITUDINAL JOINTS
14B07-16A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16I	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16J	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16K	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16L	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16M	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16N	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B08-02A	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02B	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02C	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02D	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02E	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
15B03-15A	FENCE CHAIN LINK
15B03-15B	FENCE CHAIN LINK
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES

6

Standard Detail Drawing List

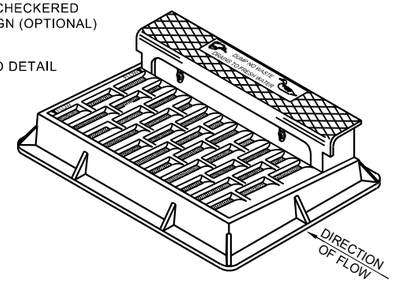
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15A	PAVEMENT MARKING SYMBOLS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15E	PAVEMENT MARKING FOR BIKE LANES
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-23C	PAVEMENT MARKING (TURN LANES)
15C08-23D	PAVEMENT MARKING (TURN LANES)
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C12-09B	TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE
15C19-08A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C29-08A	BICYCLE LANE MARKING
15C29-08B	PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D20-07C	TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D29-06	TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD
15D30-09A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09L	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D40-05A	TRAFFIC CONTROL, FULL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
15D46-01	TRAFFIC CONTROL, ONE - WAY SIGNING
15D51-01	TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY



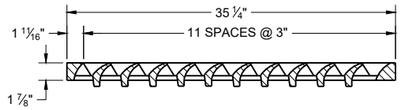
TYPE "C" CHECKERED TOP DESIGN (OPTIONAL)

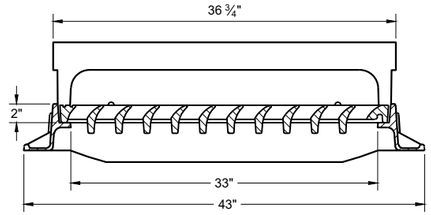
SEE LOGO DETAIL

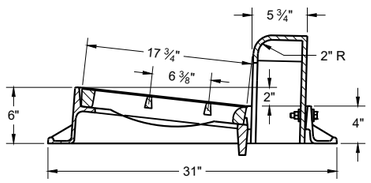
NOTE: EITHER CASTING IS ACCEPTABLE

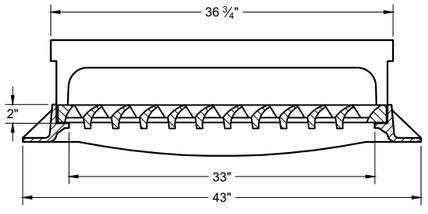


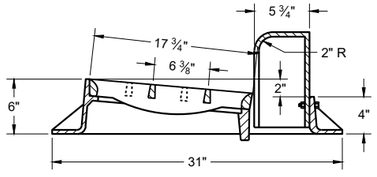
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







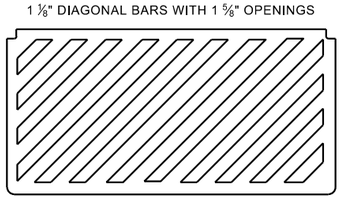




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

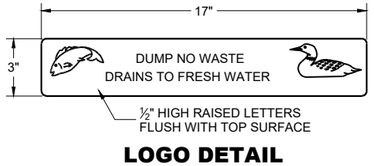
1 ⅛" DIAGONAL BARS WITH 1 ⅝" OPENINGS



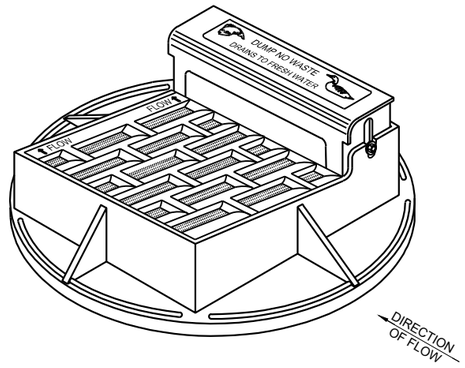
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 ¾" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

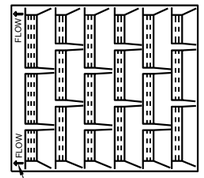


LOGO DETAIL

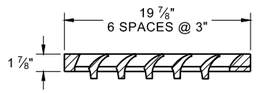


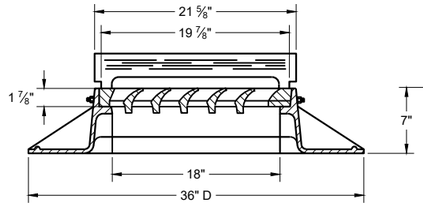
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

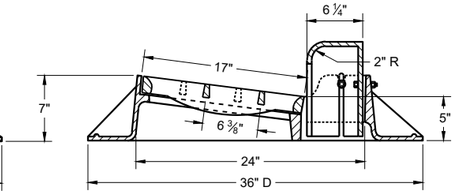
NOTE: EITHER CASTING IS ACCEPTABLE



DIRECTION OF FLOW ARROWS







TYPE "A"

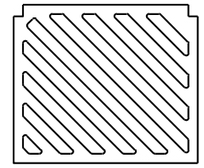
GENERAL NOTES

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.

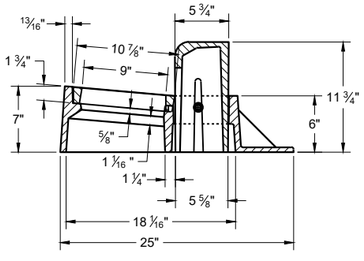
1" DIAGONAL BARS WITH 1 ½" OPENINGS

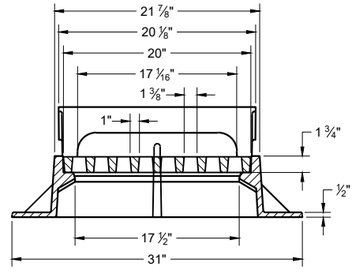


SPECIAL GRATE FOR TYPE "A" COVER

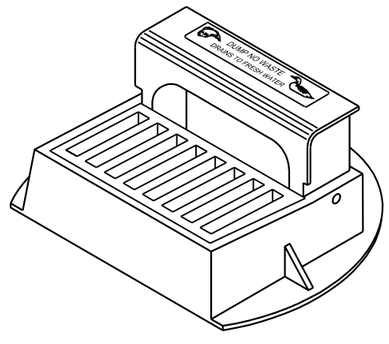
(MEASURES 19 ¾" X 17" X 1 ⅞")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"



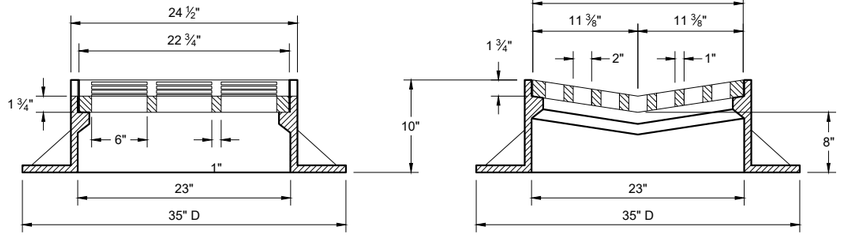
INLET COVERS
TYPES A, H, A-S, H-S AND Z

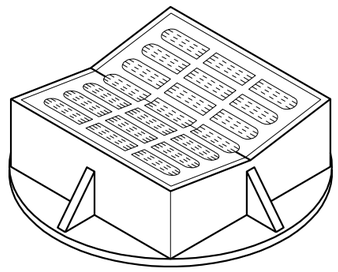
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2023
DATE

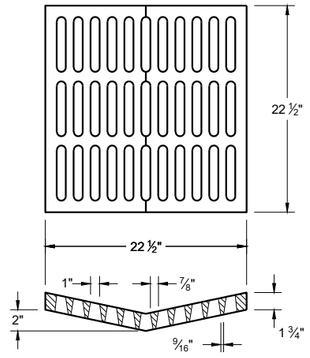
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

FHWA





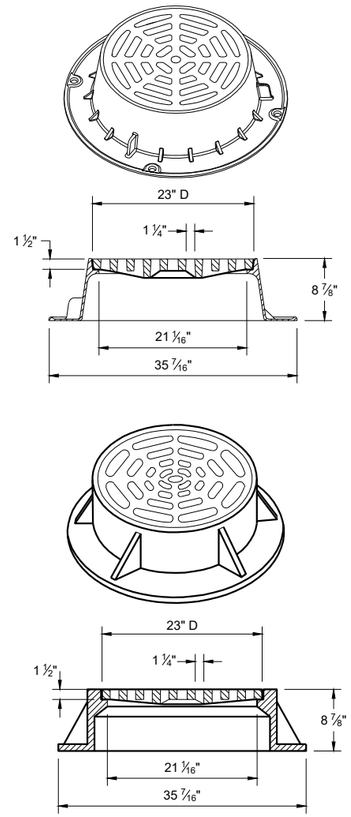
TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS POSSIBLE

NOTED AS TYPE B - A ON THE DRAINAGE TABLE



TYPE "C"

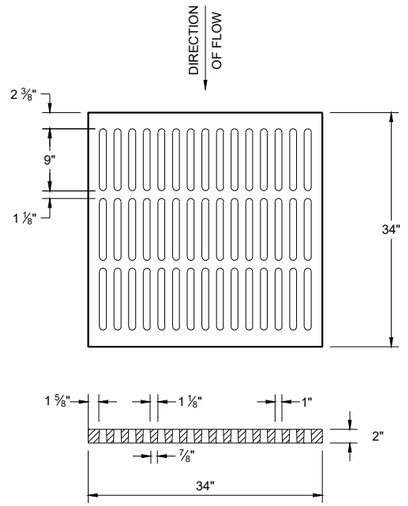
NOTE: EITHER CASTING IS ACCEPTABLE

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.

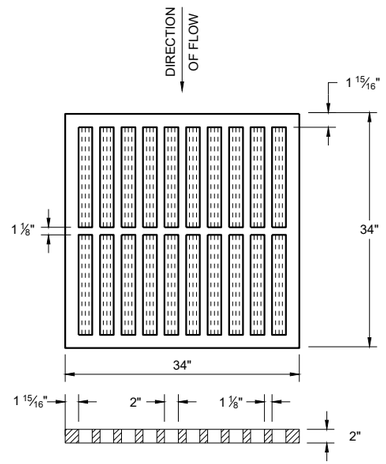
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS PERMITTED

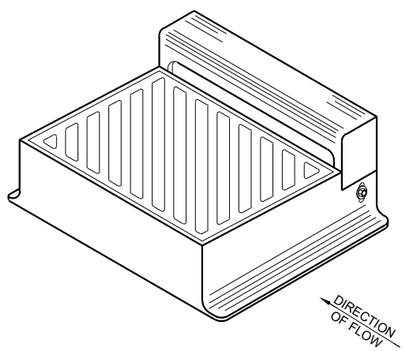
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



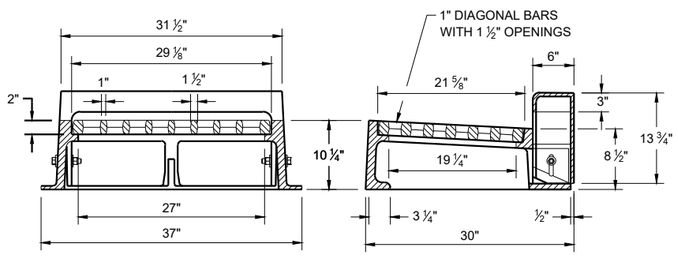
TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON THE DRAINAGE TABLE



DIAGONAL SLOTS SHALL BE ORIENTEDTO THE DIRECTION OF FLOW AS ILLUSTRATED.
GRATES ARE MANUFACTURED TO BE REVERSIBLE.



TYPE "WM"

NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

INLET COVERS TYPES B, B-A, C, MS, MS-A AND WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

July 2023 — DATE

/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6

SDD 08A05-20b

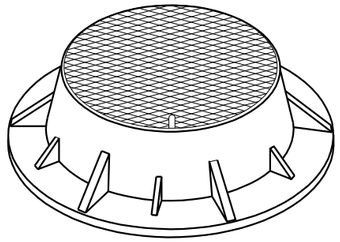
SDD 08A05-20b

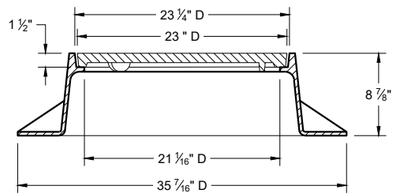
GENERAL NOTES

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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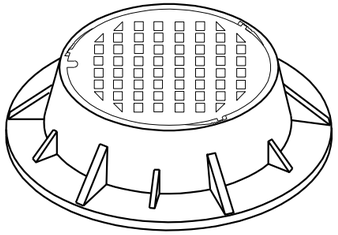
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

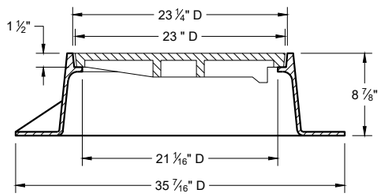




TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

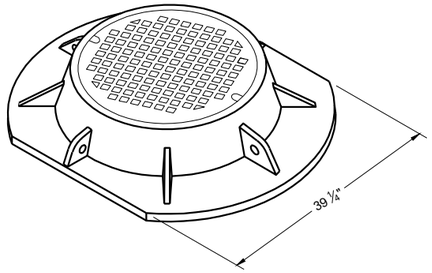


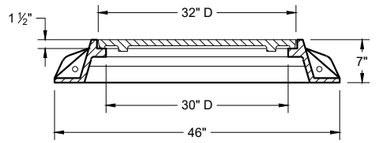


TYPE "J" SPECIAL

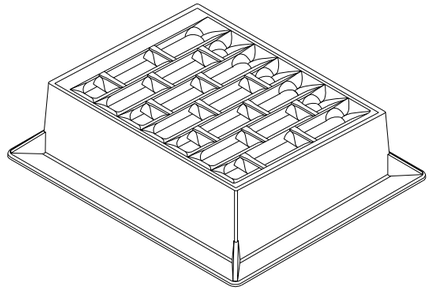
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

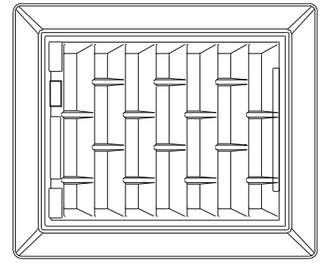
NOTE: EITHER CASTING IS ACCEPTABLE

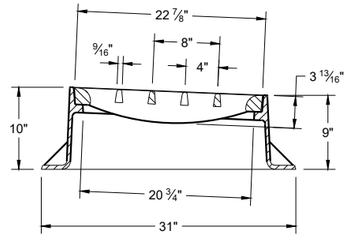


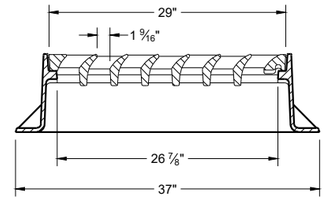


TYPE "K"

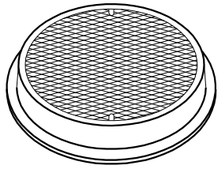


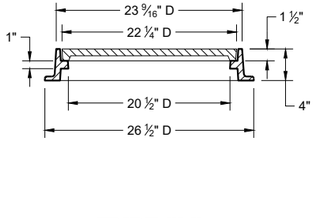




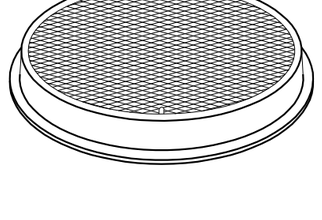


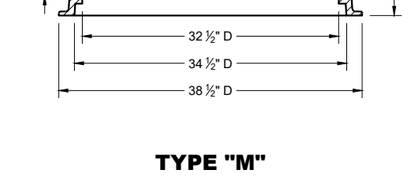
INLET COVER TYPE "BW"





TYPE "L"





TYPE "M"

INLET COVERS TYPES BW
MANHOLE COVERS TYPES K, J, J-S, L, AND M

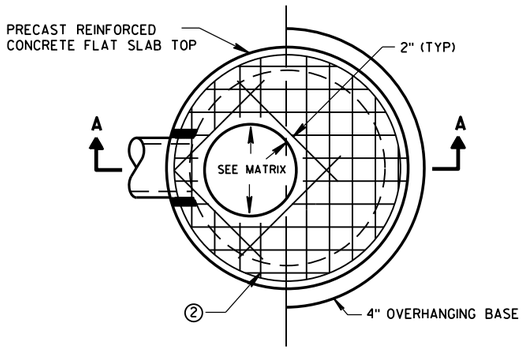
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

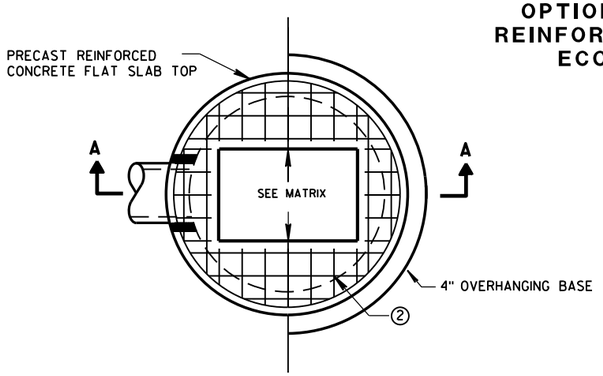
FHWA

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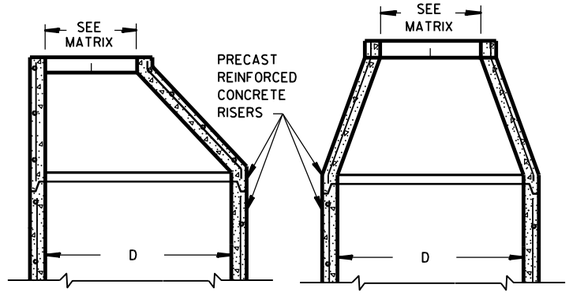
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PLAN VIEW CIRCULAR OPENING

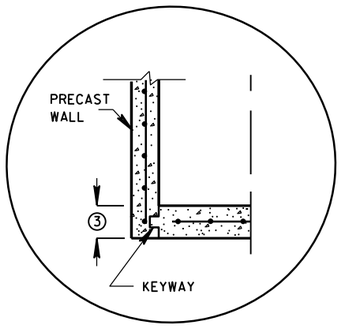


PLAN VIEW RECTANGULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

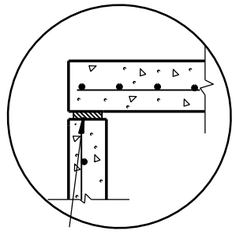
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

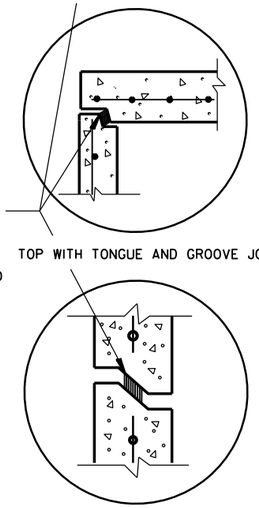
SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



TOP WITH PLAIN END JOINT

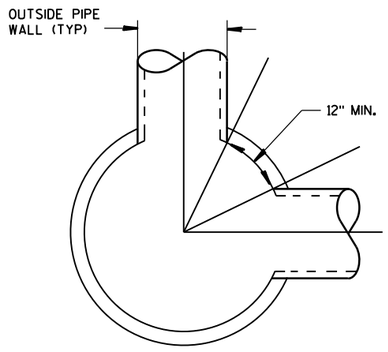
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



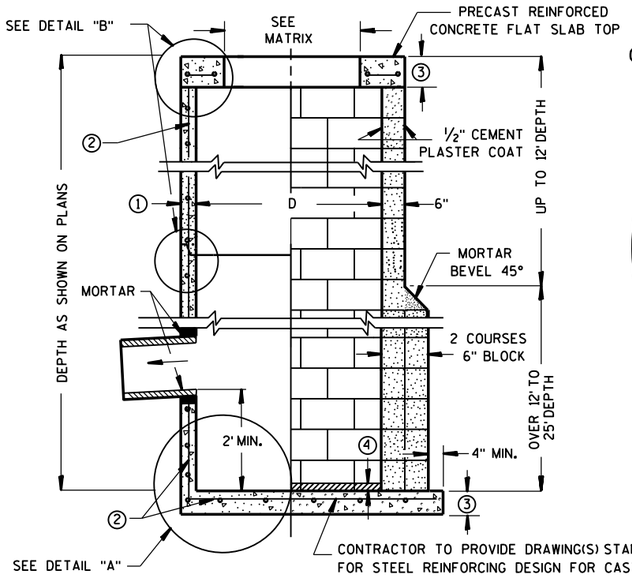
TOP WITH TONGUE AND GROOVE JOINT

RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"



DETAIL "C"



CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES

SECTION A-A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

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 CATCH BASIN 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.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF 1/2 INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

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 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES FOR 6-FT DIAMETER PRECAST CATCH BASINS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

④ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER OPENING MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT)											
3-FT	2X2	X	X					X		X		
	2 DIA.				X							X
4-FT-6-FT	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2 DIA.				X							X
	2X3						X					
	2.5X3					X						

PIPE MATRIX

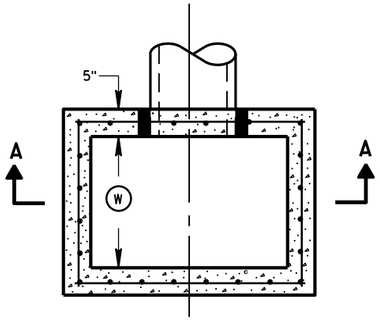
CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

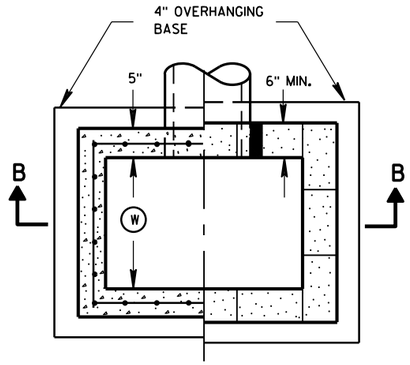
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

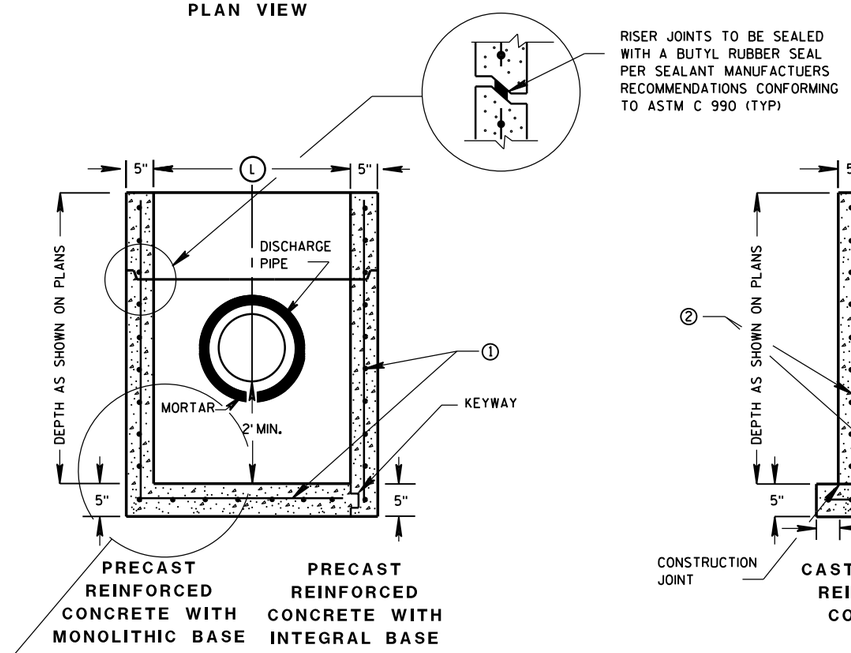
S.D.D. 8 A 8-2



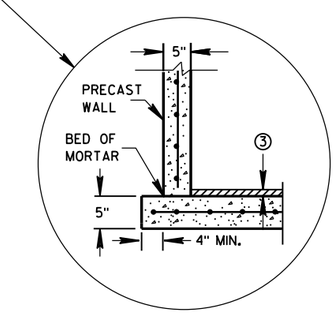
PLAN VIEW



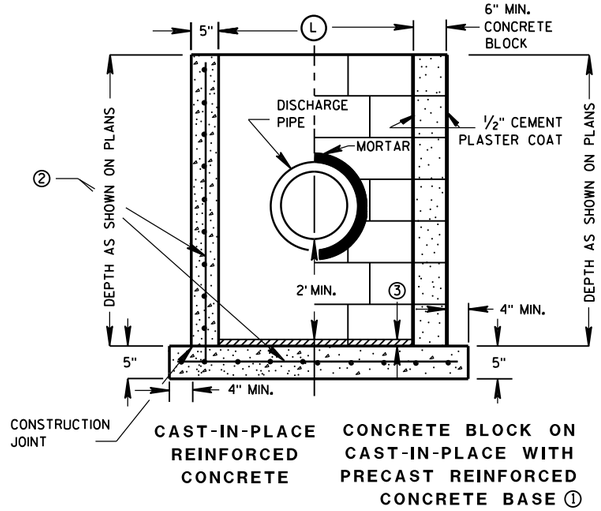
PLAN VIEW



SECTION A-A



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION



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.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN 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 PRECAST CATCH BASIN 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" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST CATCH BASINS 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.

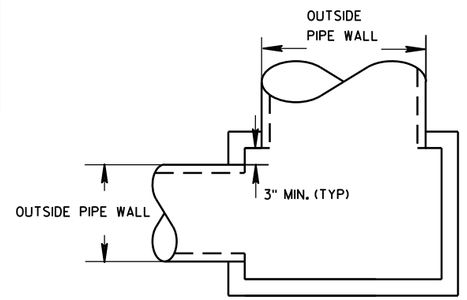
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE		INLET COVER TYPE	F	ALL H'S
	WIDTH (W) (FT)	LENGTH (L) (FT)		
2X3-FT	2	3		X
2.5X3-FT	2.5	3	X	

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

CATCH BASINS 2X3-FT AND 2.5X3-FT

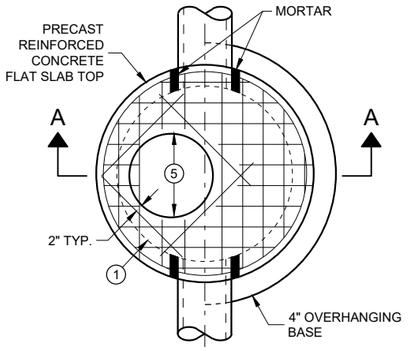
CATCH BASINS 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

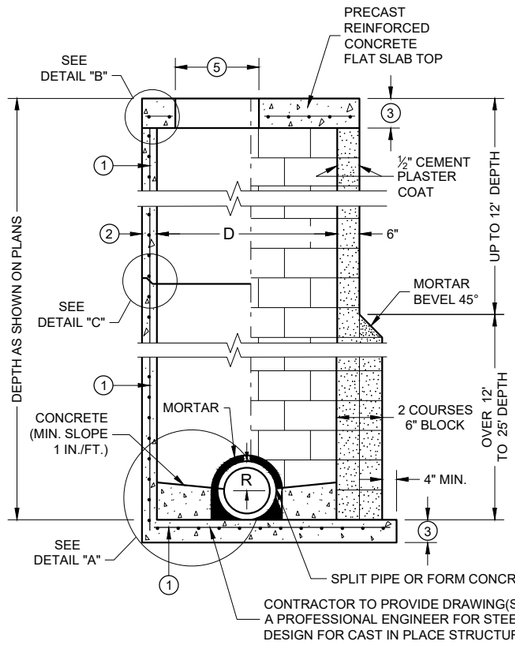
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

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S.D.D. 8 A 9-2



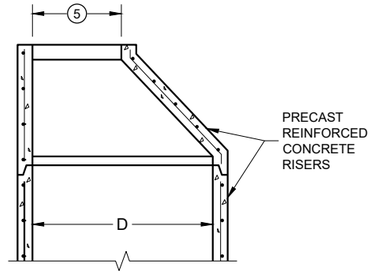
PLAN VIEW
CIRCULAR OPENING



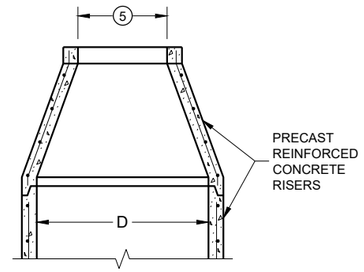
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

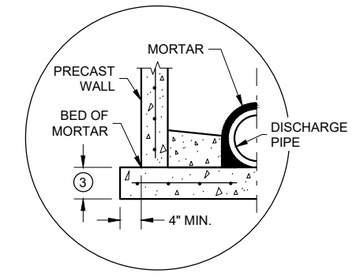
MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

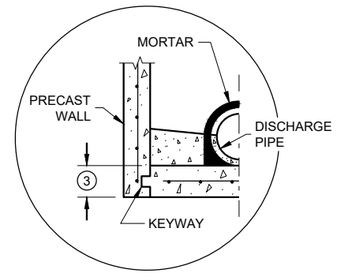
PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42*	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES.
SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

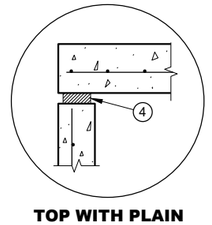


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

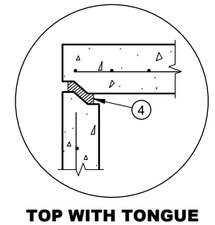


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

DETAIL "A"

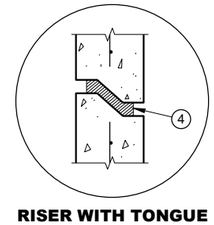


TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT

DETAIL "B"



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "C"

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 MANHOLE 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.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST MANHOLE 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.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

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 "D".

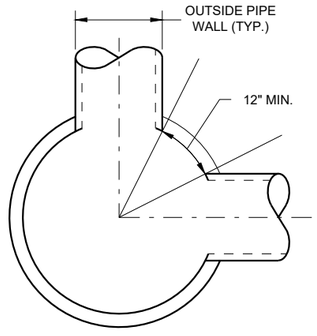
(1) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP.).

(5) SEE MANHOLE COVER OPENING MATRIX.



MINIMUM HORIZONTAL PIPE SEPARATION

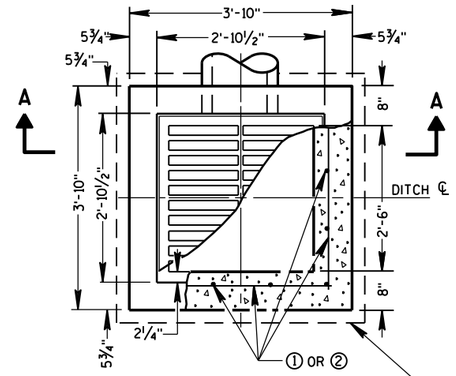
MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

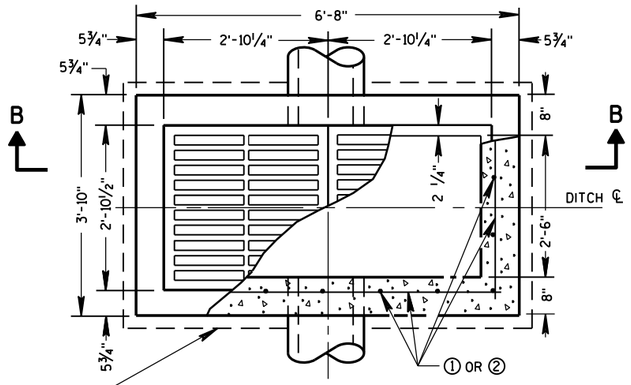
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November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
264
FHWA

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

6
SDD 08B09 - 03

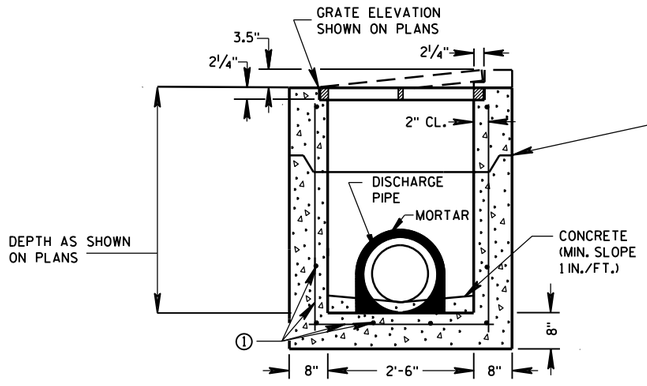


PLAN VIEW

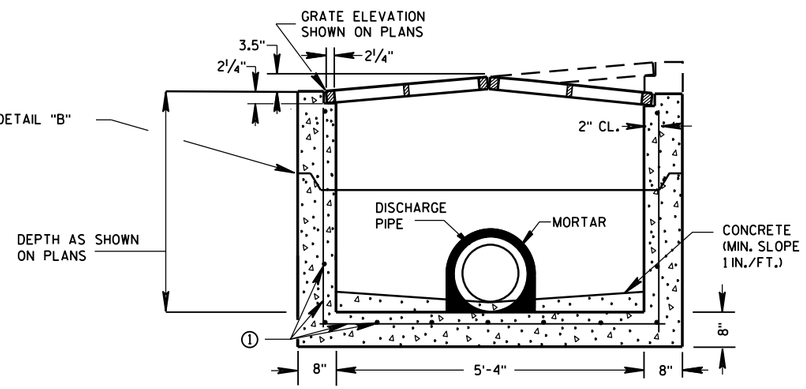


PLAN VIEW

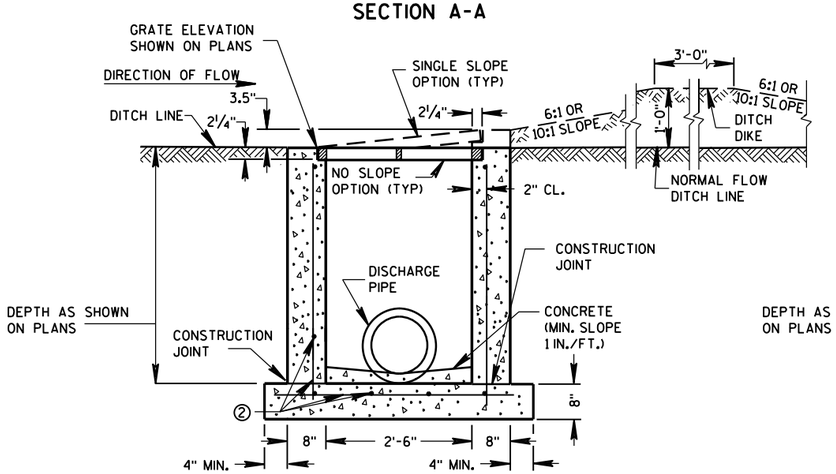
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



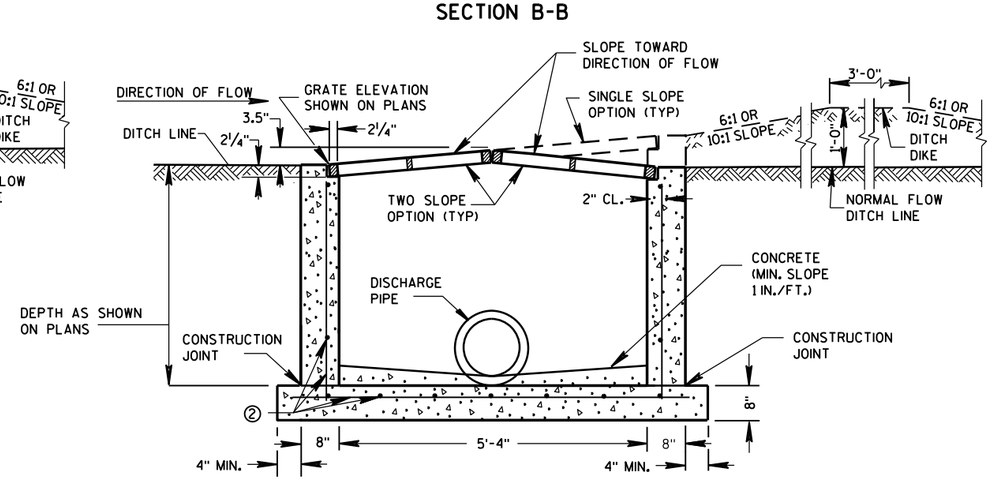
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

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 INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE 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.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

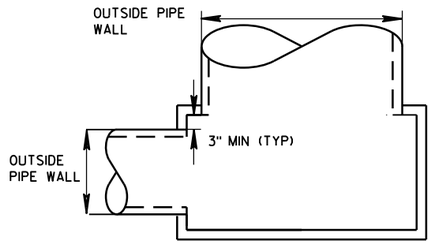
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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.

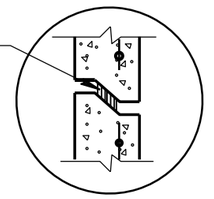
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



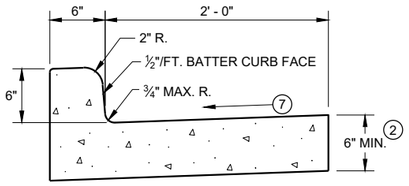
DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

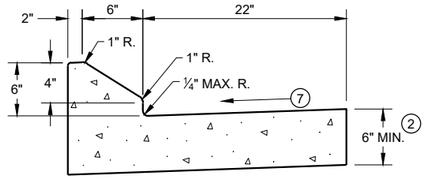
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

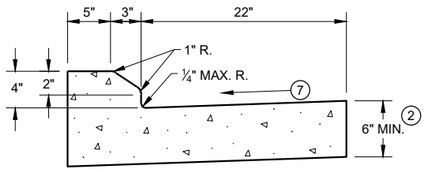
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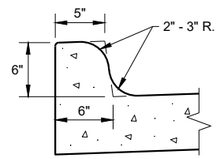
TYPES A (1) & D



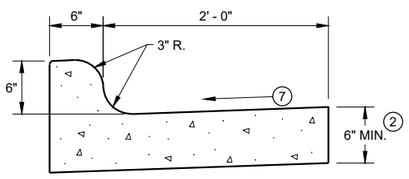
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

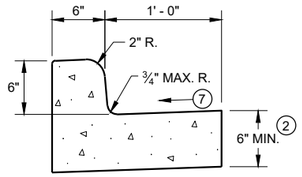


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



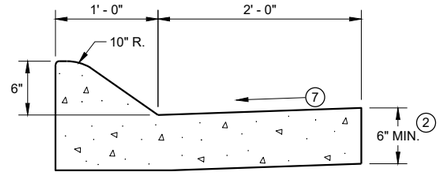
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

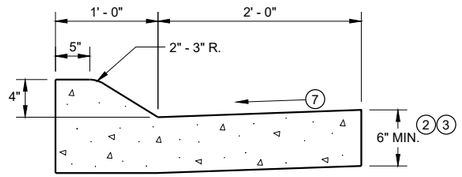


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

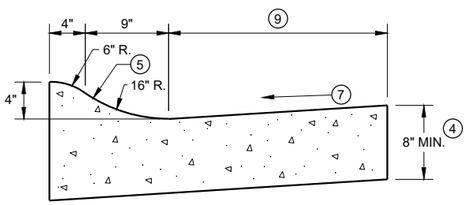


6" SLOPED CURB TYPES A (1) & D



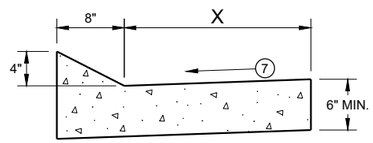
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

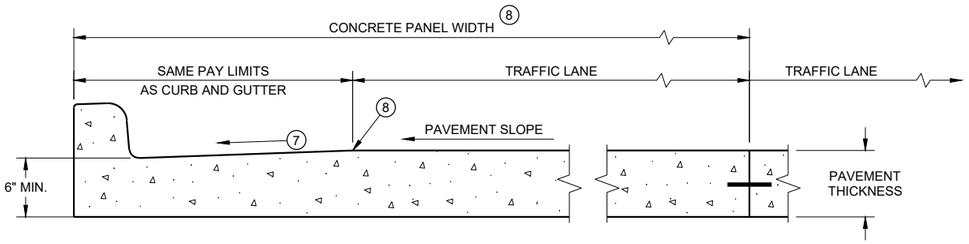


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

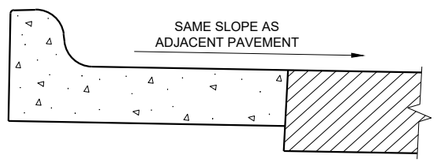
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

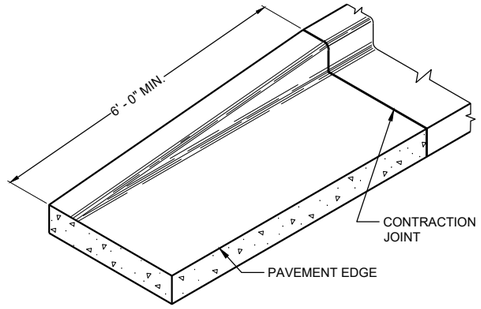
(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

(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

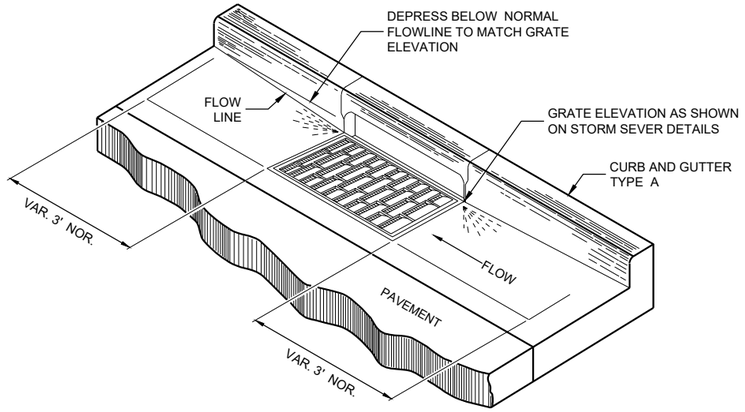
CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 08D01 - 23a



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.

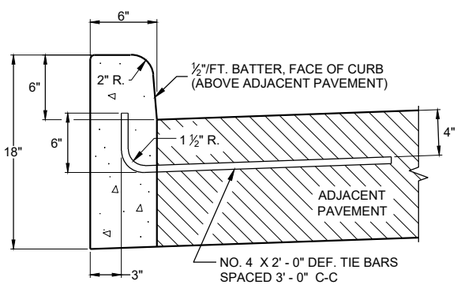
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

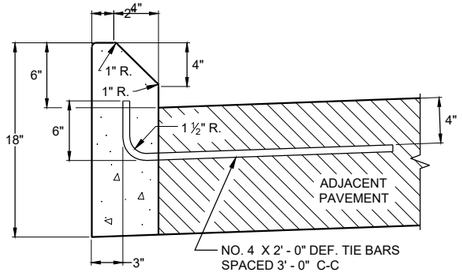
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(10) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

(11) PLACE 1" THICK EXPANSION JOINT MATERIAL BETWEEN VERTICAL FACE CURB TYPES EXTENDING FROM THE TOP OF CURB TO 1 INCH BELOW THE ADJOINING CONCRETE SURFACE. RIGID CONCRETE STRUCTURES INCLUDE RAISED CONCRETE MEDIANS, CONCRETE SAFETY ISLANDS, SPLITTER ISLANDS, OR LOCATIONS IDENTIFIED ON THE PLANS.

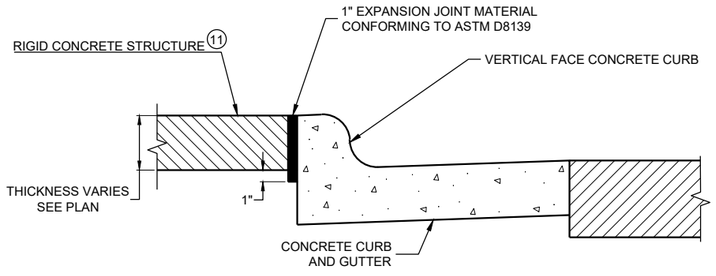


TYPES A (1) & D

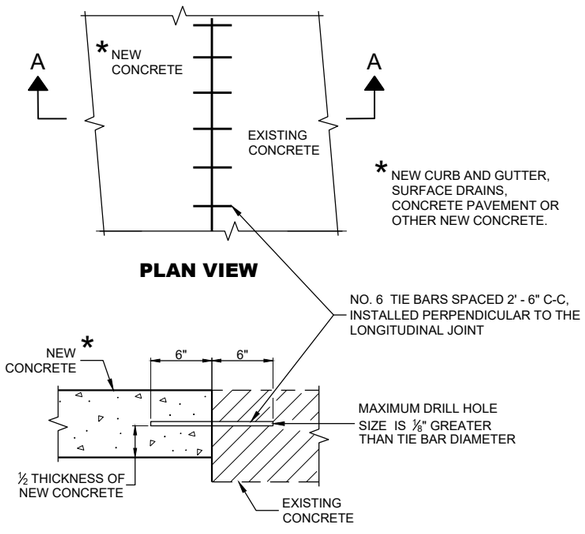


TYPES G (1) & J

CONCRETE CURB



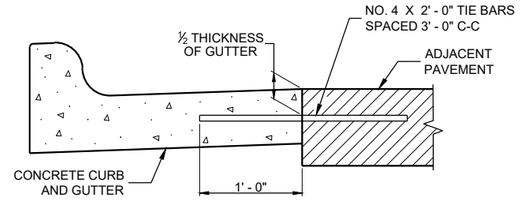
EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)



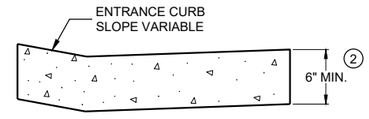
PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (10)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER

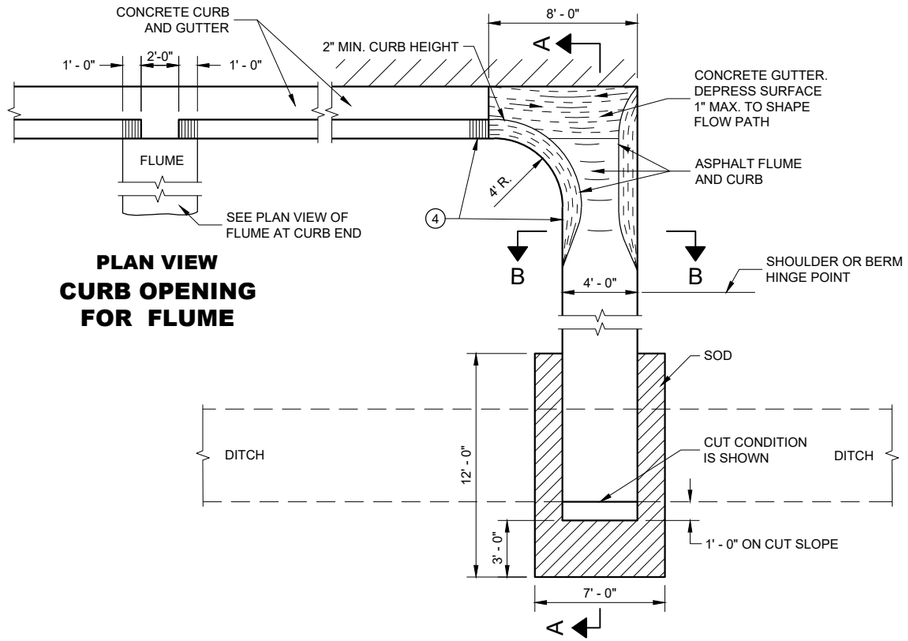
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SDD08D01 - 23b

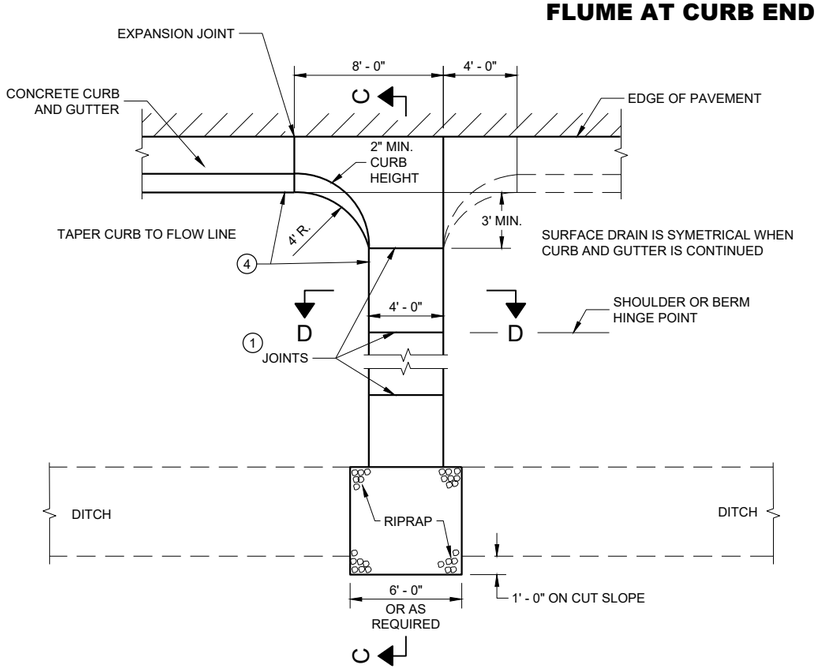
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



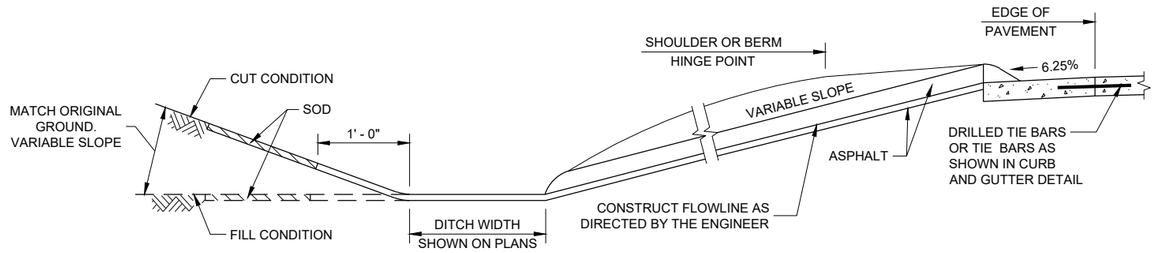
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

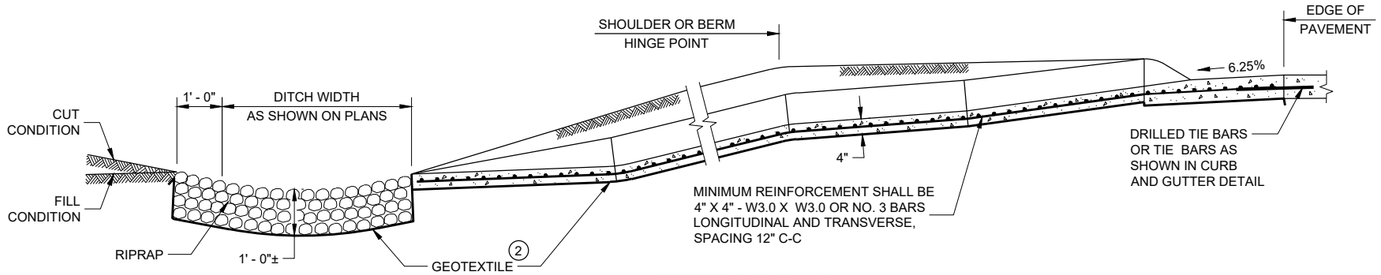
4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. ANGLE OF FLUME IN RELATION TO BACK OF CURB TO BE CONSTRUCTED PER THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER. ANGLE OF FLUME MAY BE OTHER THAN 90 DEGREES AS SHOWN.

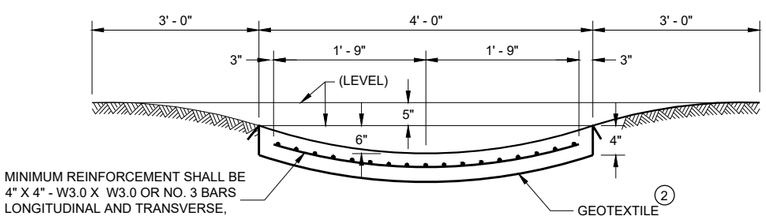


SECTION A - A

SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

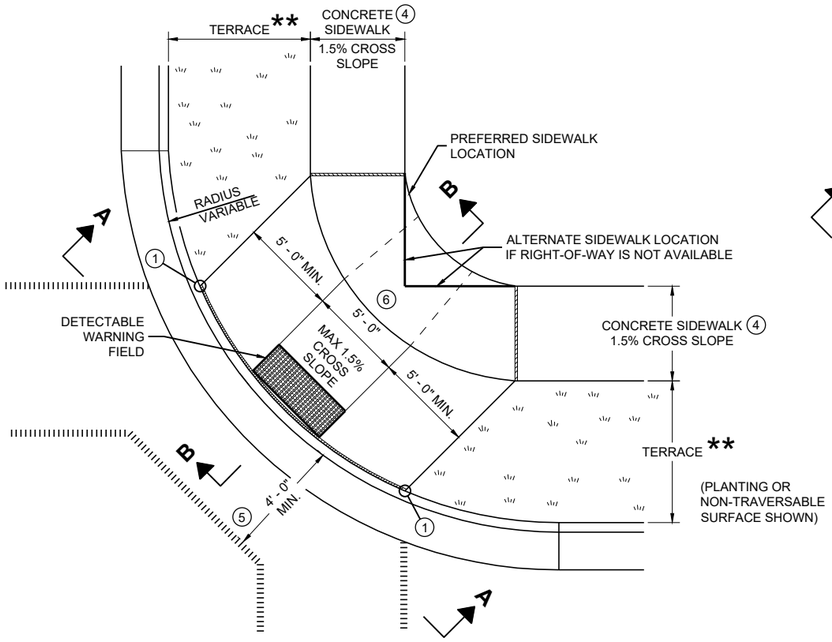
APPROVED
May 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

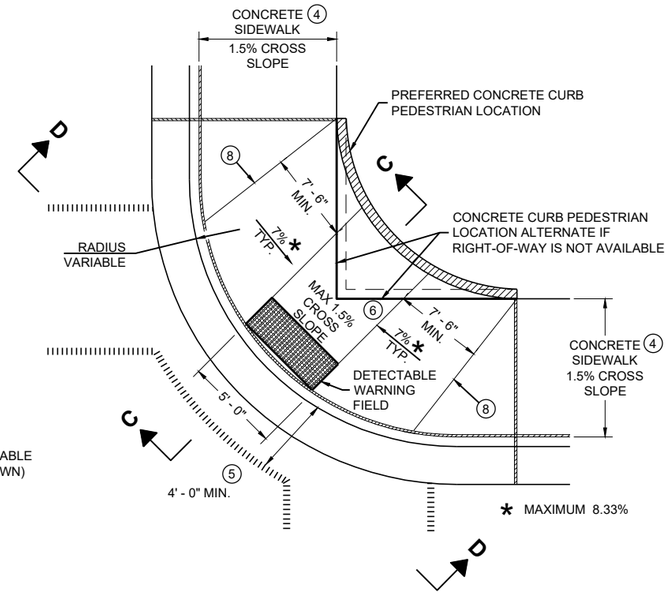
SDD 08D04 - 07



PLAN VIEW

CURB RAMP TYPE 1

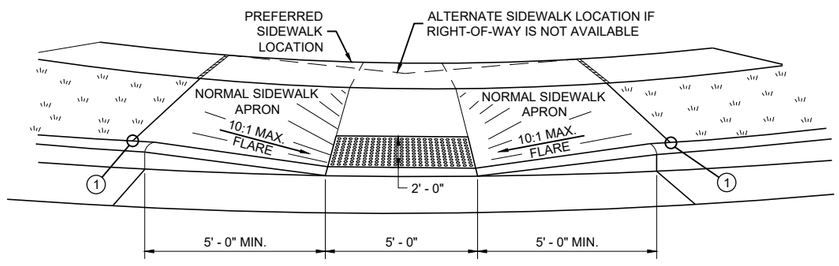
(CENTER OF CORNER RADIUS)



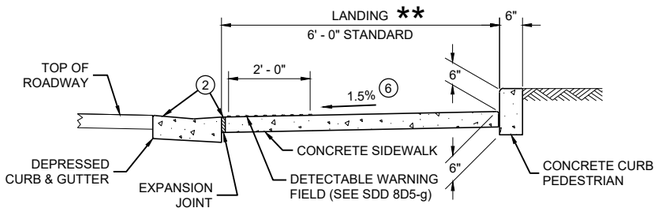
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

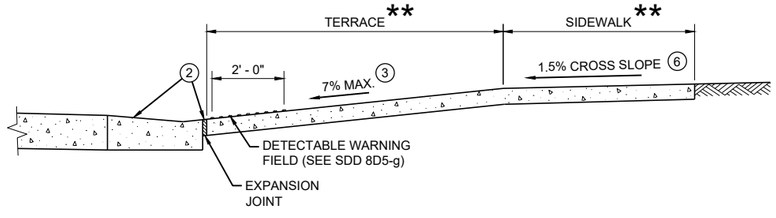


VIEW A - A FOR TYPE 1

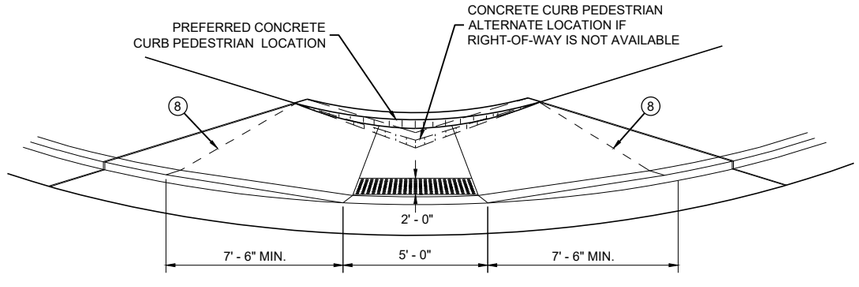


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

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.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(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) MAXIMUM 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.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA. 4 FOOT WIDTH IS MEASURED FROM THE FLANGE LINE

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

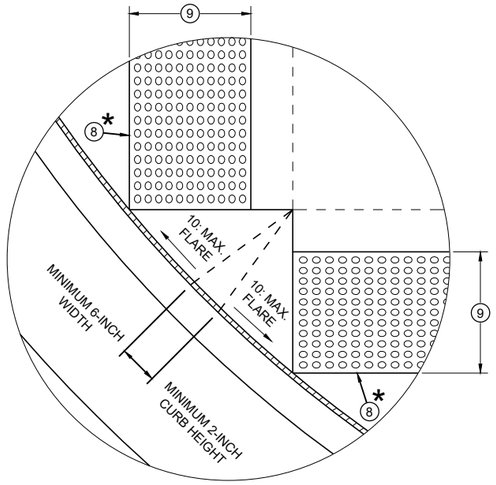
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

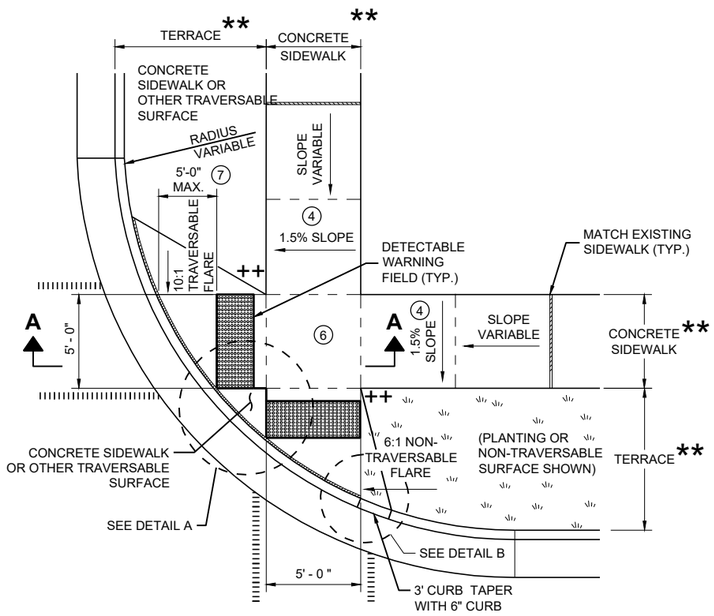
CURB RAMPS TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

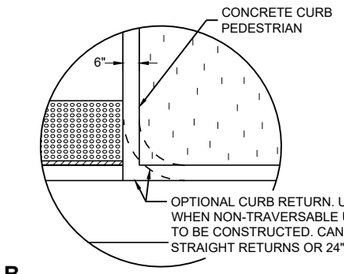
6
SDD 08D05-21a



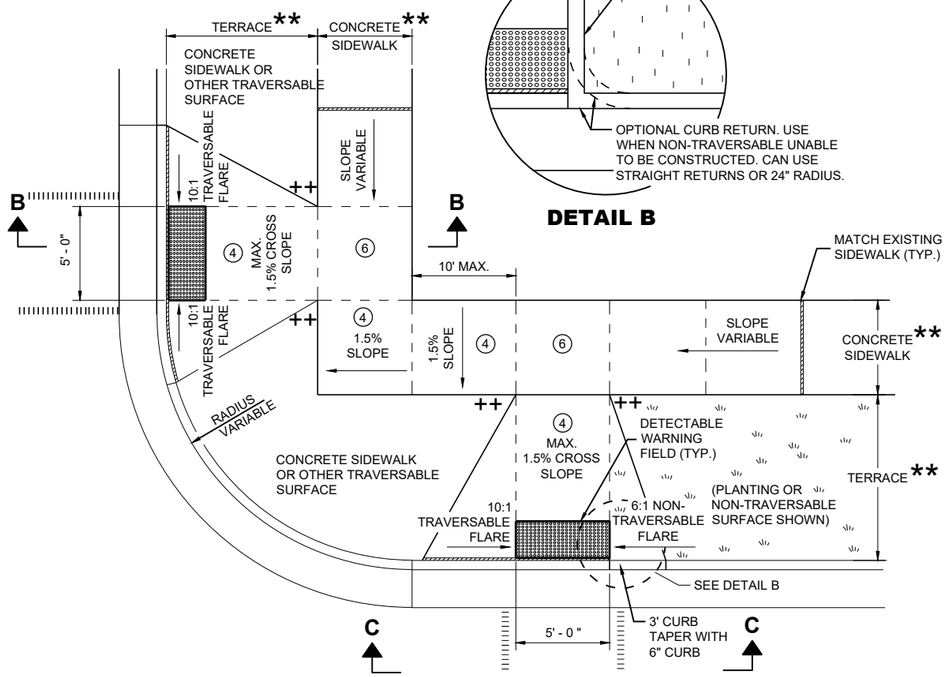
DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)



DETAIL B



PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)

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 (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

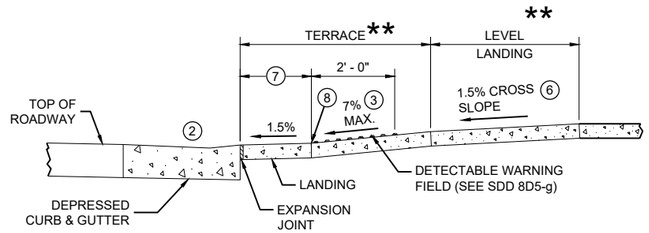
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN 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.

(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

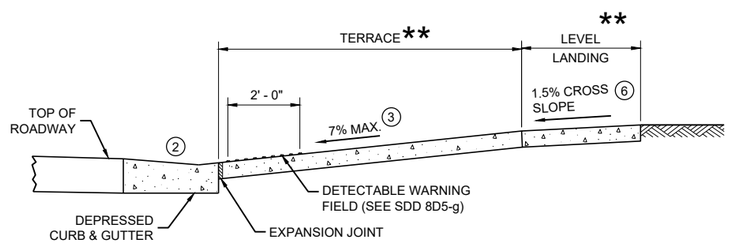


SECTION A - A FOR TYPE 2

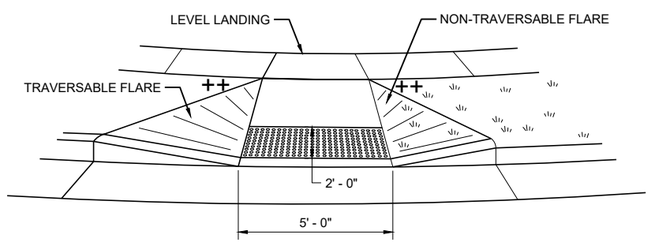
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



SECTION B - B FOR TYPE 3



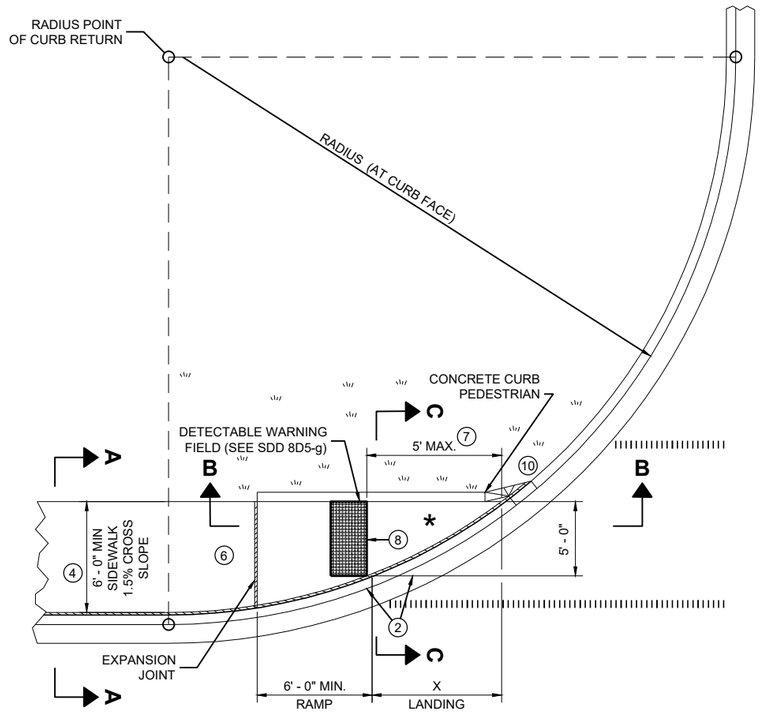
VIEW C - C FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

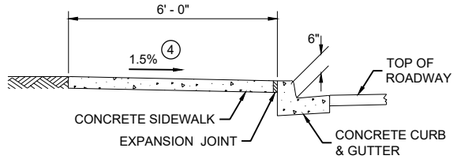


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"

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.

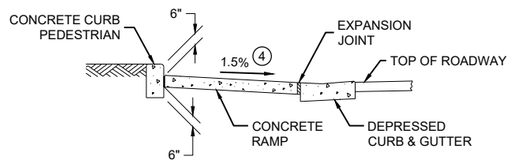
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

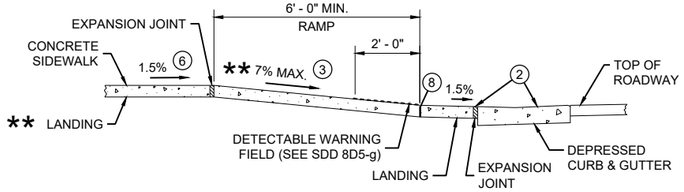
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)

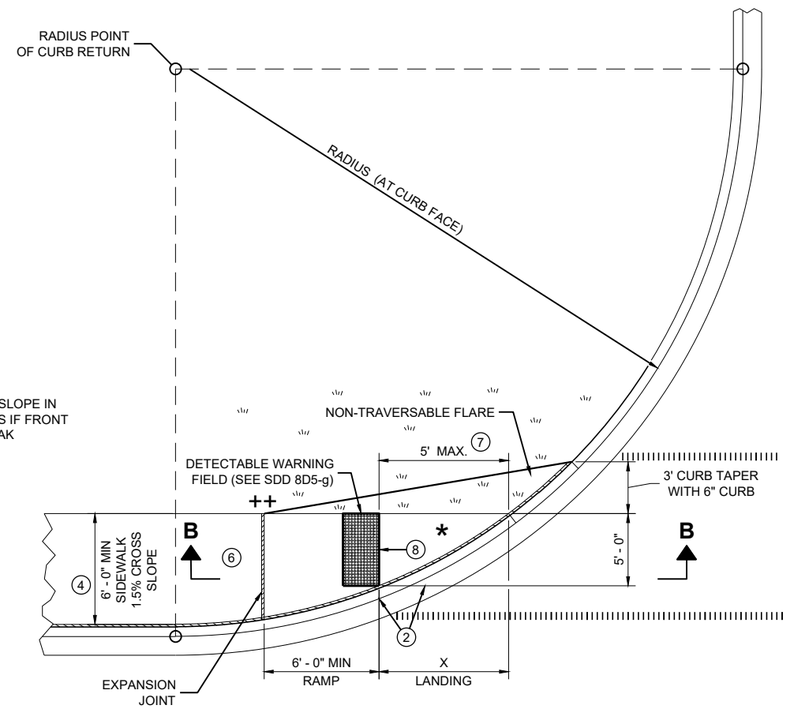


SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

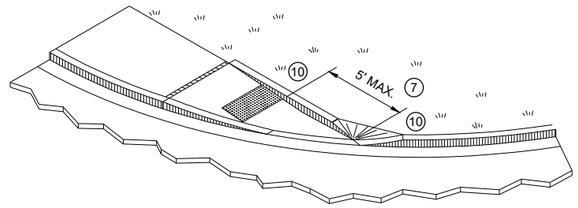
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED



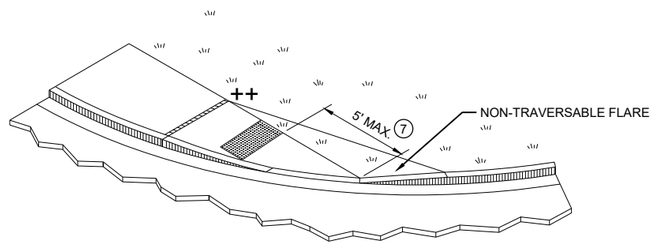
PLAN VIEW

CURB RAMP TYPE 4A1

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



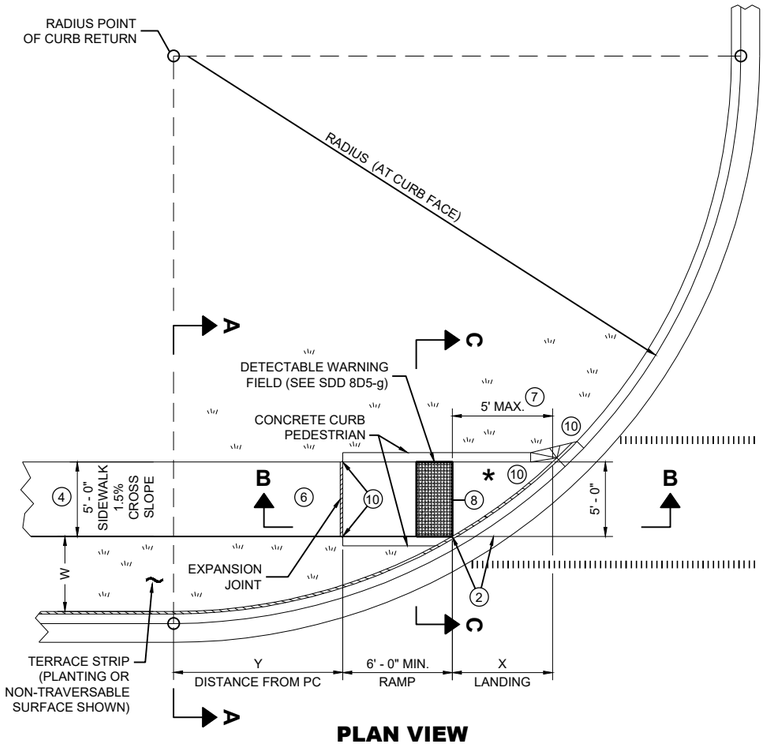
ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



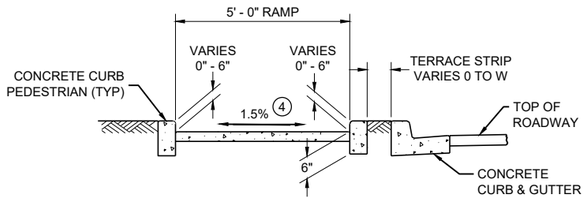
PLAN VIEW
CURB RAMP TYPE 4B

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 1/4"	0' - 5"	2' - 1"	1' - 4 1/2"	1' - 5"	2' - 1"	0' - 10"	2' - 7 1/2"	0' - 3 1/4"	3' - 0 1/4"						
15 FEET	4' - 6 3/4"	2' - 1 3/4"	3' - 9"	3' - 5 3/4"	3' - 1 1/4"	4' - 6"	2' - 6 3/4"	5' - 4 1/2"	2' - 1"	6' - 1"	1' - 8"	6' - 8 1/2"	1' - 3 1/4"	7' - 2 1/2"	0' - 10 3/4"	7' - 7 1/4"
20 FEET			4' - 11 1/2"	5' - 1 3/4"	4' - 3 1/4"	6' - 5 1/2"	3' - 8 3/4"	7' - 7"	3' - 3"	8' - 6 1/2"	2' - 10"	9' - 4 1/2"	2' - 5 1/2"	10' - 1 1/4"	2' - 1 1/4"	10' - 9"
30 FEET									4' - 10 3/4"	12' - 5 3/4"	4' - 5 1/2"	13' - 7 3/4"	4' - 0 3/4"	14' - 8 1/2"	3' - 8 1/2"	15' - 8 1/4"
40 FEET															4' - 10 3/4"	19' - 8 1/4"

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

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



SECTION C - C FOR TYPE 4B

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.

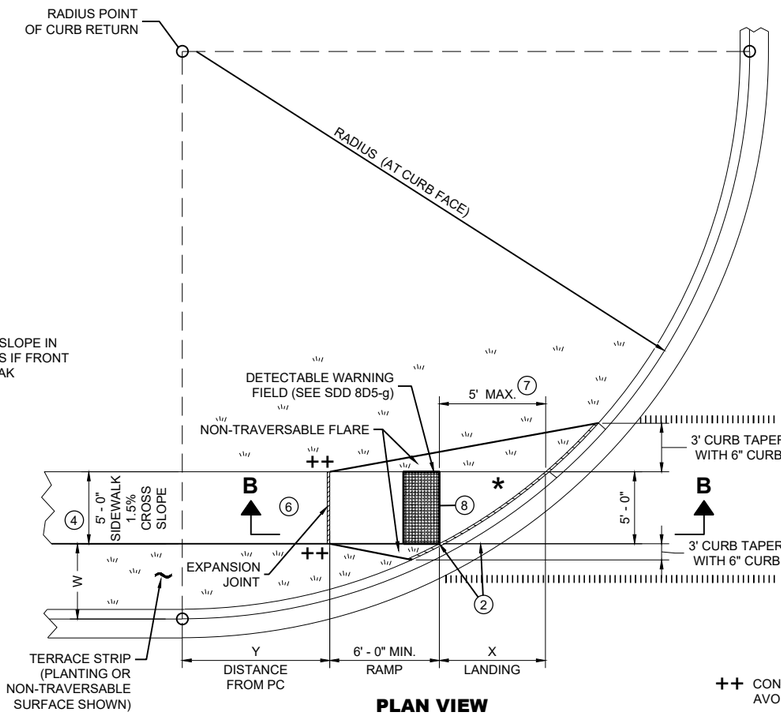
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

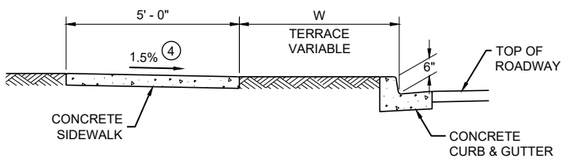
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

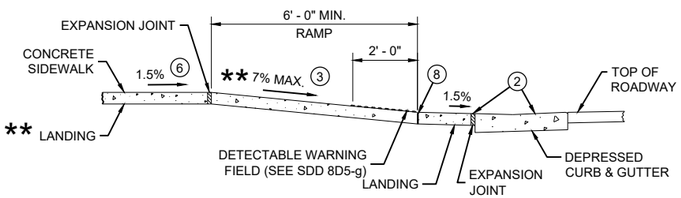
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



PLAN VIEW
CURB RAMP TYPE 4B1



SECTION A - A FOR TYPE 4B

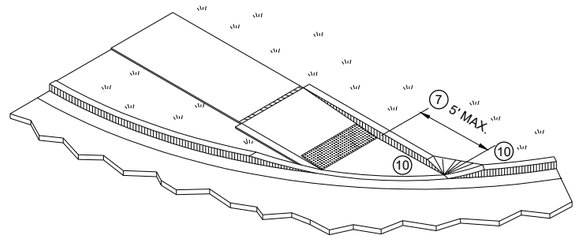


SECTION B - B FOR TYPE 4B AND TYPE 4B1

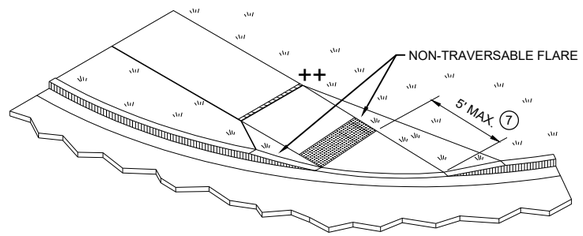
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



ISOMETRIC VIEW FOR TYPE 4B



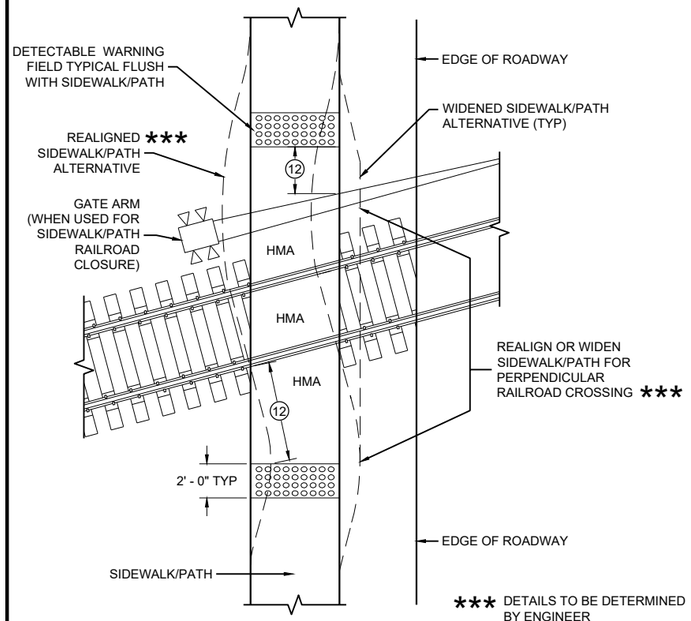
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

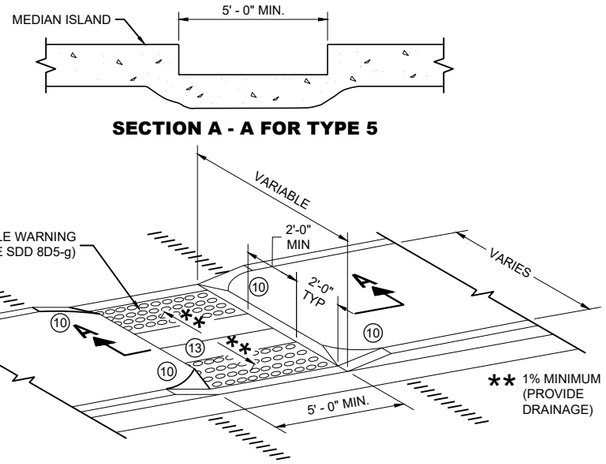
6

SDD 08D05-21d



CURB RAMP TYPE 8

DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS



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 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.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

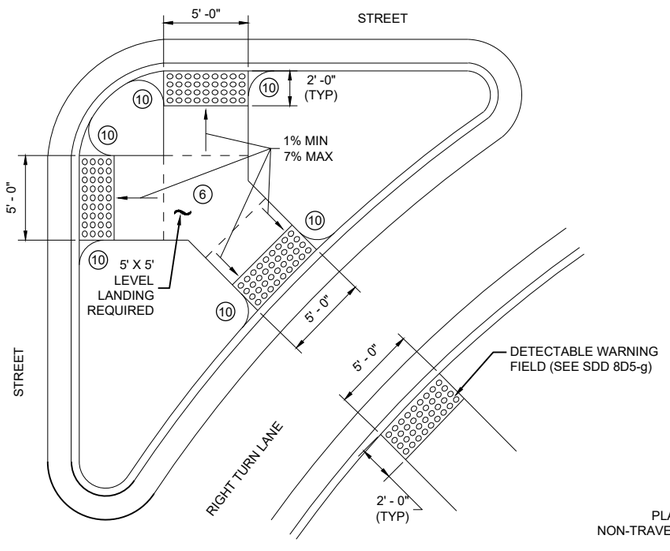
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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/PATH. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD TRACK IS 15 FEET MAXIMUM AND 12 FEET MINIMUM, 15 FEET TYPICAL 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

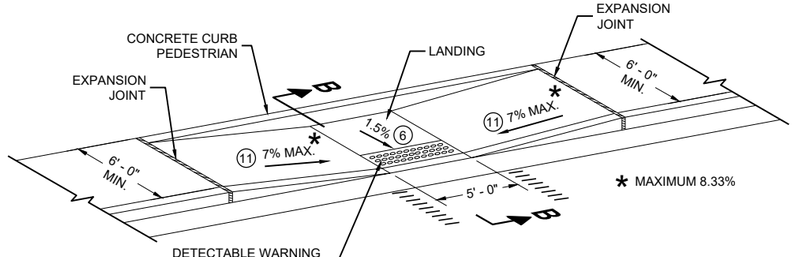
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

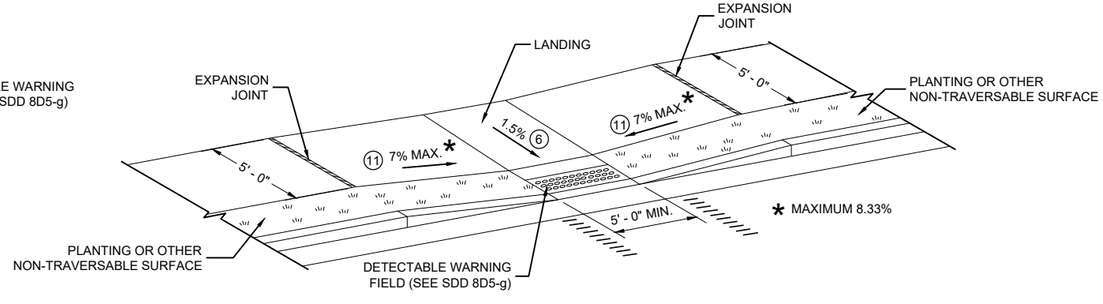
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



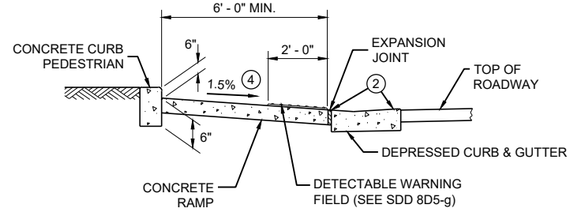
CURB RAMP TYPE 7A

FOR INTERSECTIONS AND MID BLOCK CROSSINGS



CURB RAMP TYPE 7B

FOR INTERSECTIONS AND MID BLOCK CROSSINGS



SECTION B - B FOR TYPE 7A

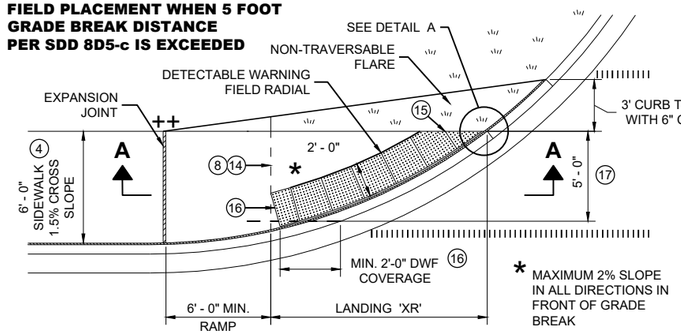
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

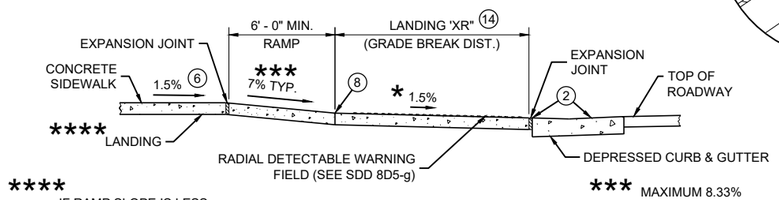
SDD 08D05-21e

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED

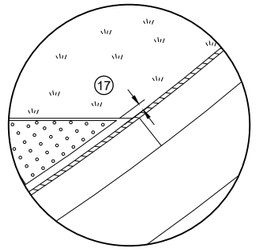


PLAN VIEW

CURB RAMP TYPE 4A1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



SECTION A - A FOR TYPE 4A1



DETAIL A

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.

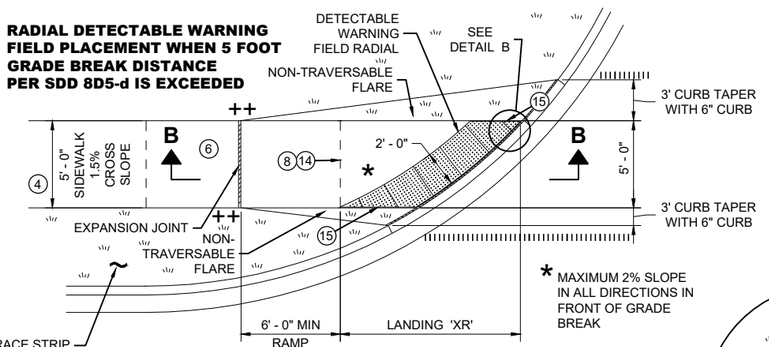
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(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.

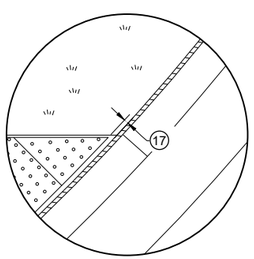
(17) A MAXIMUM 3 INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED

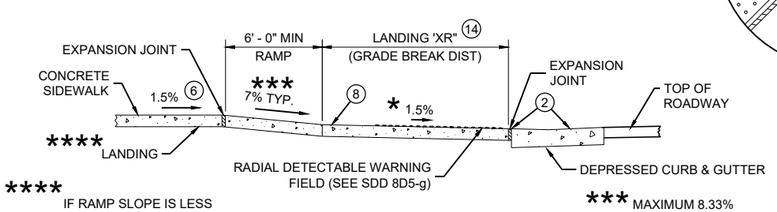


PLAN VIEW

CURB RAMP TYPE 4B1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

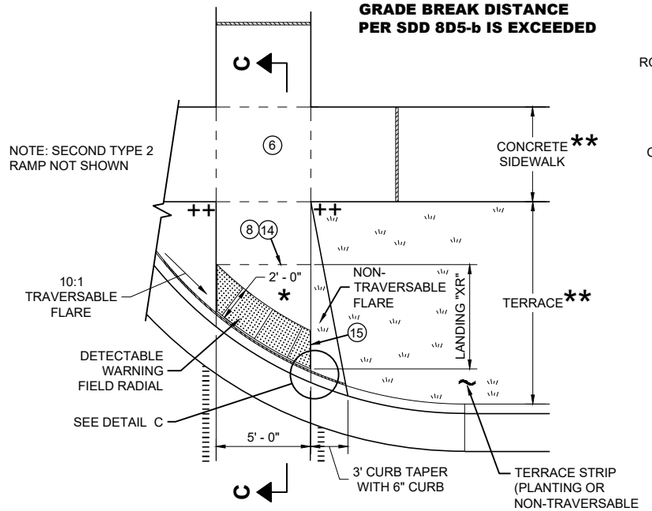


DETAIL B



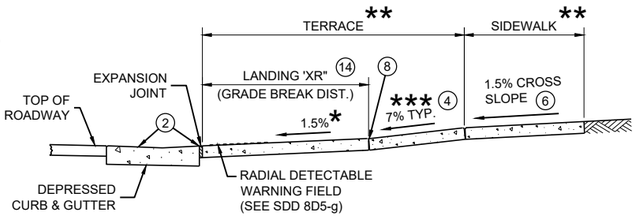
SECTION B - B FOR TYPE 4B1

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

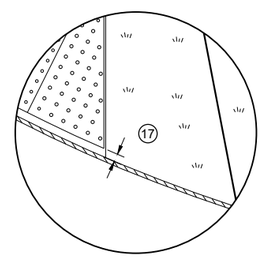


PLAN VIEW

CURB RAMP TYPE 2
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)



SECTION C - C FOR TYPE 2



DETAIL C

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

CURB RAMPS
RADIAL DETECTABLE WARNING

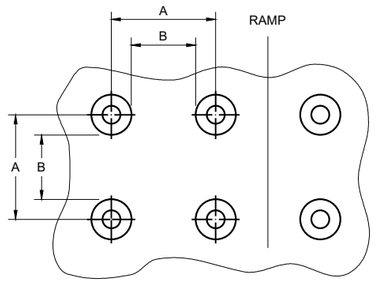
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

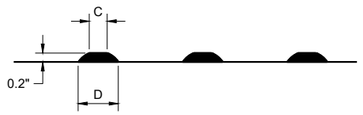
SDD 08D05-21f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

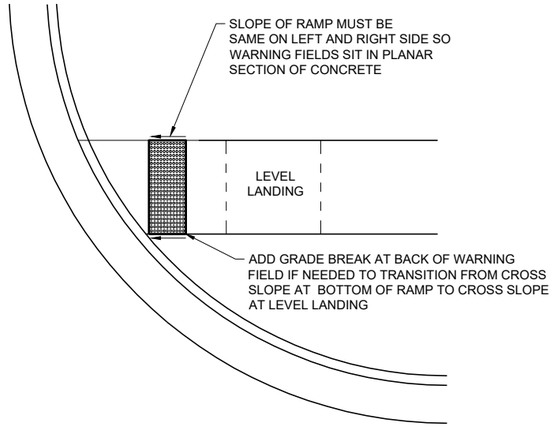
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW



ELEVATION VIEW



DETECTABLE WARNING FIELD
PLANAR INSTALLATION

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.

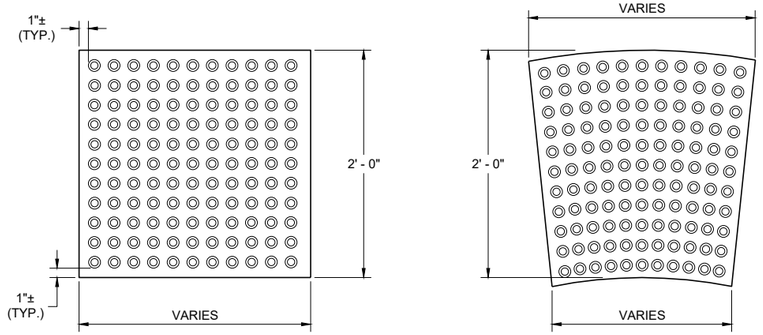
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. 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.

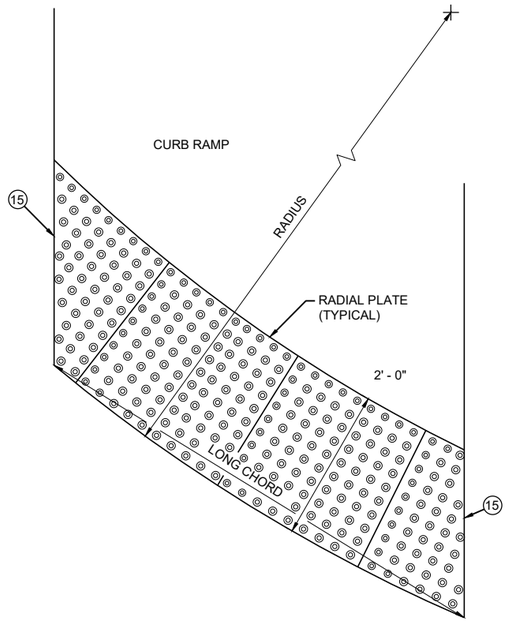
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



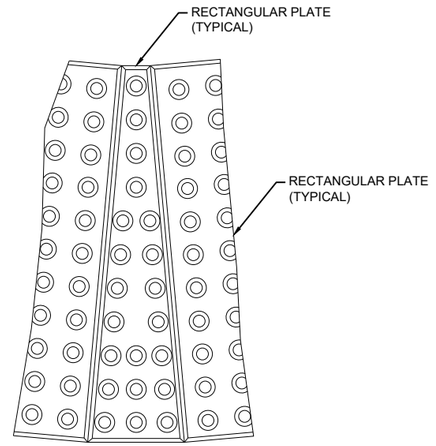
RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

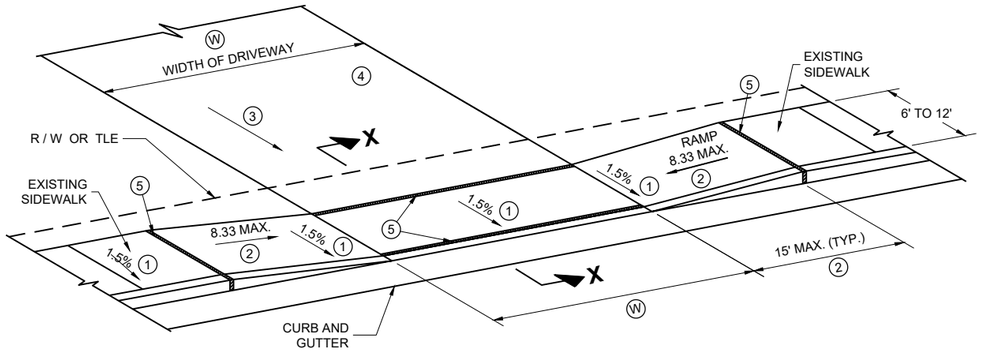
CURB RAMPS
RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

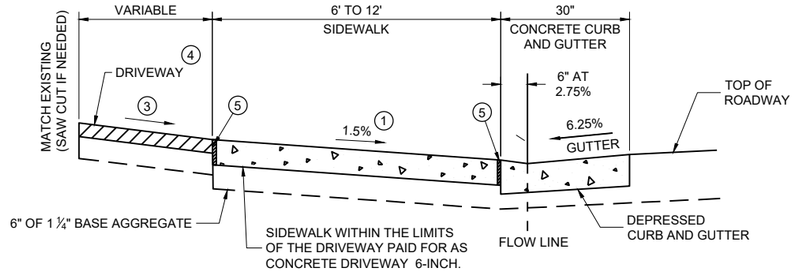
APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

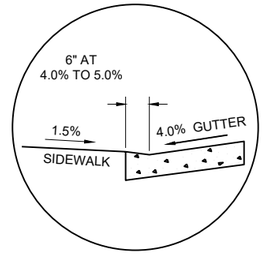
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SDD 08D05-21g



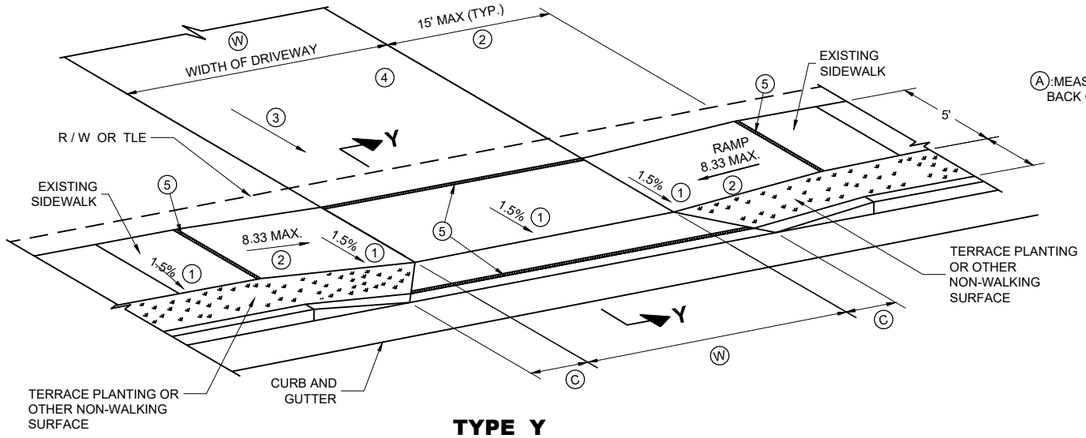
TYPE X
SIDEWALK ABUTS CURB AND GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X - X



SECTION X - X
4% GUTTER SLOPE



TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

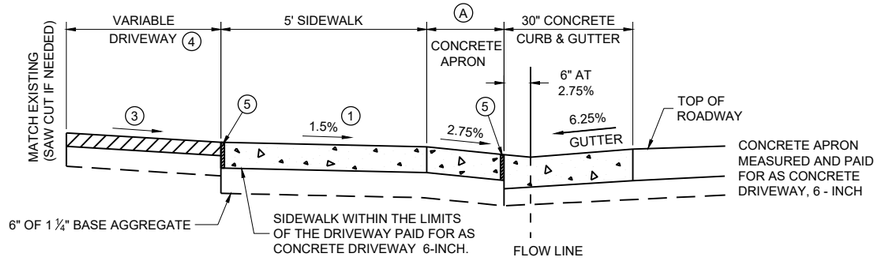
Ⓦ: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)

Ⓐ:MEASURE FROM BACK OF CURB

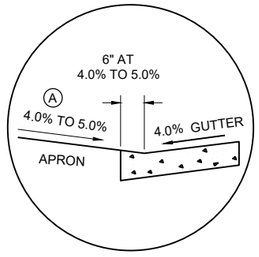
TABLE Y

Ⓐ FEET	Ⓒ FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'



NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y - Y



SECTION Y - Y
4% GUTTER SLOPE

DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER
(URBAN AND SUBURBAN)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

Ⓦ IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

① CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

② THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

③ DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

④ DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

⑤ ½" EXPANSION JOINT FILLER

DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y

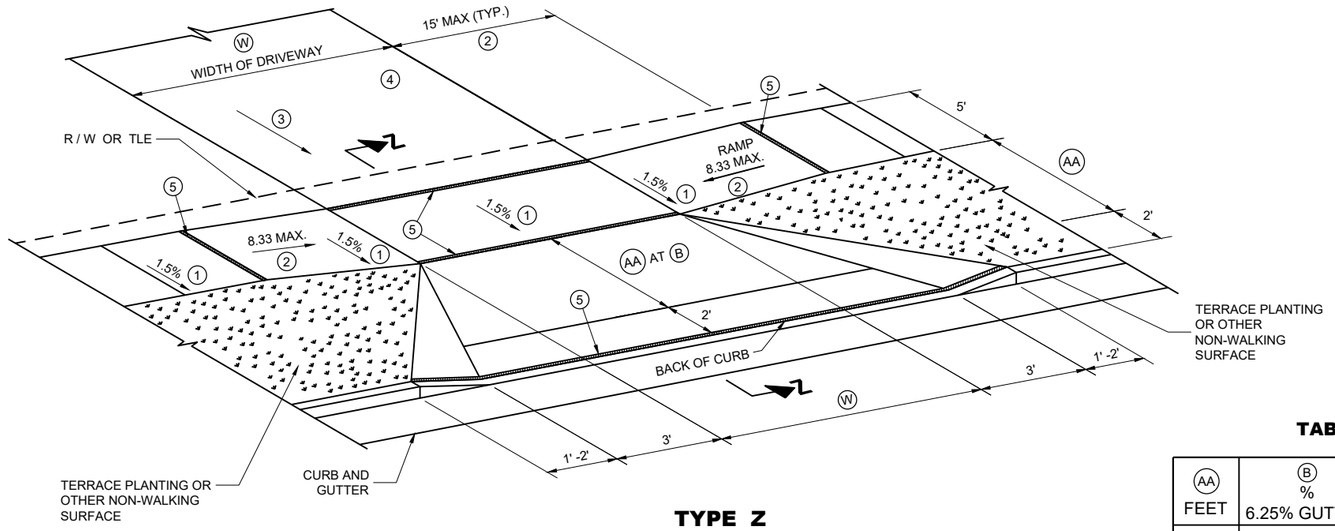
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6

SDD 08D18-04



TYPE Z
SIDEWALK WITH WIDER TERRACE
TERRACE VARIES 7 TO 12 FEET

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY.

(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(4) DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

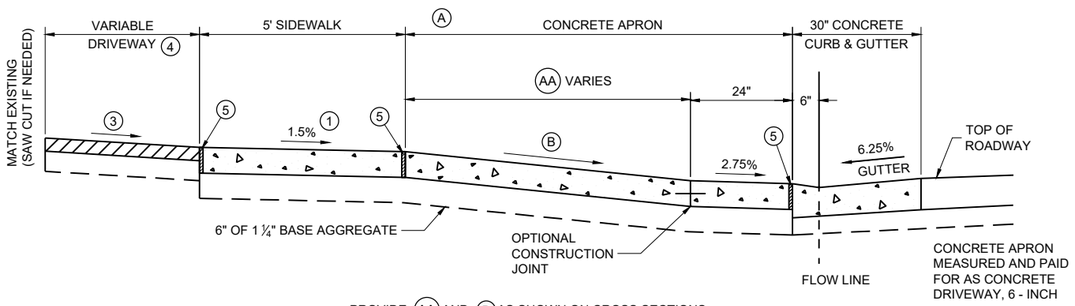
(5) ½" EXPANSION JOINT FILLER.

TABLE Z

(AA) FEET	(B) % 6.25% GUTTER	(B) % 4% GUTTER
4.5'	11.5%	9% TO 11.5%
5.5'	9% TO 11.5%	8% TO 11.5%
6.5'	8% TO 11.5%	6% TO 11.5%
7.5'	7% TO 11.5%	6% TO 11.5%
8.5'	6% TO 11.5%	5% TO 11.5%
9.5'	5% TO 11.5%	4% TO 11.5%

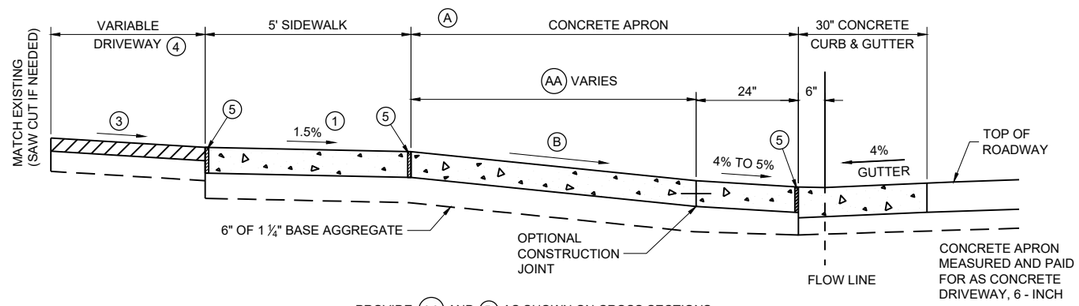
(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)



PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

6.25% GUTTER SLOPE



PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

4% GUTTER SLOPE

NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS FOR (B) VALUES NOT SHOWN IN TABLE Z.

SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY 6-INCH.

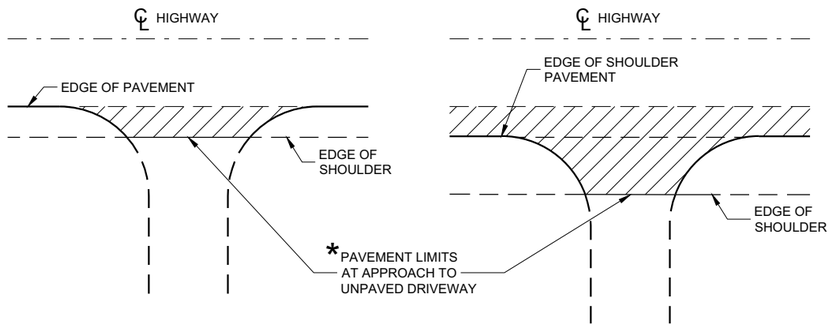
SECTION Z - Z
DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER
(URBAN AND SUBURBAN)

DRIVEWAY AND SIDEWALK RAMPS TYPE Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

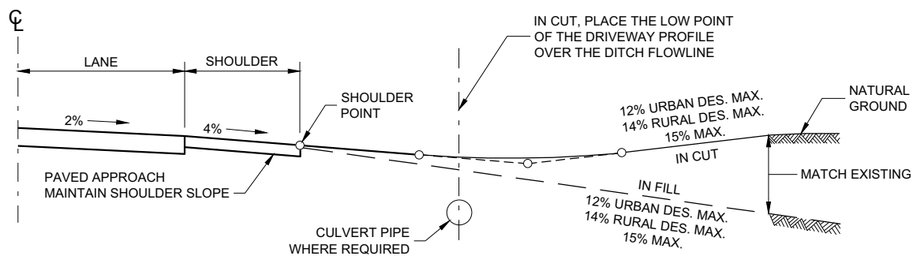
FHWA



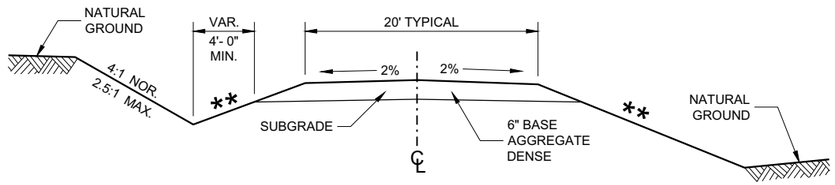
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

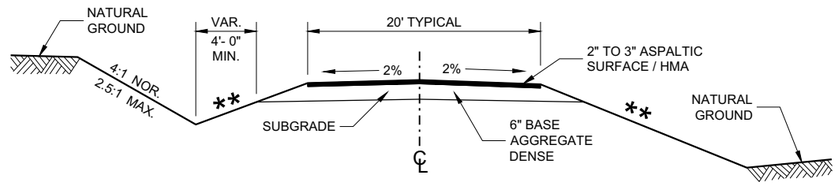


IN CUT **IN FILL**

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

6

6

SDD 08D21 - 01

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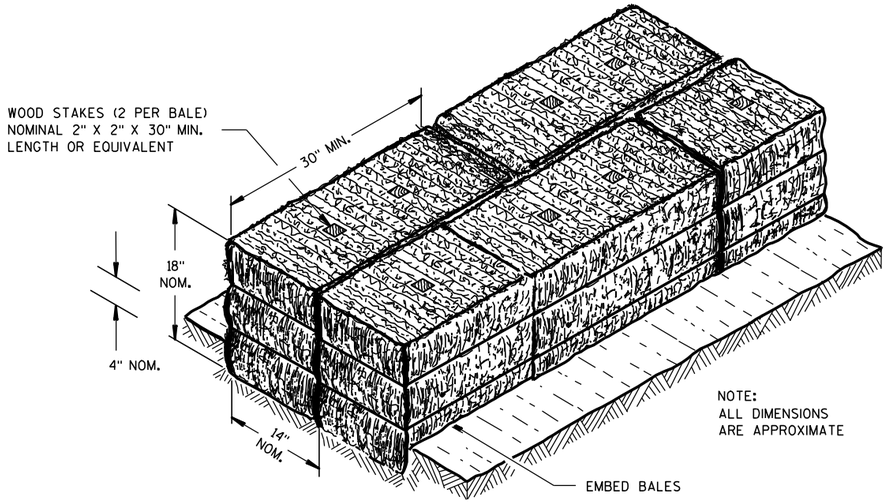
DRIVEWAYS WITHOUT CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

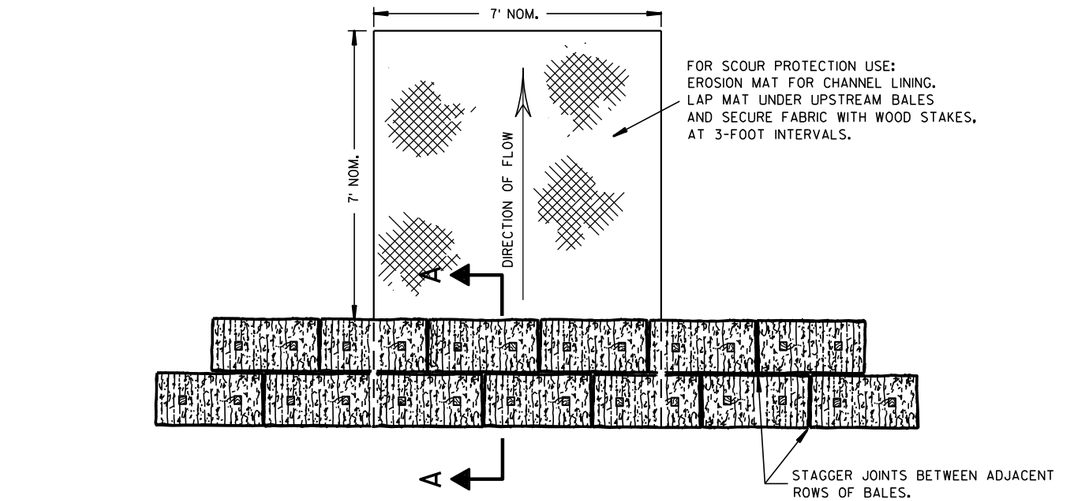
APPROVED
December 2017
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

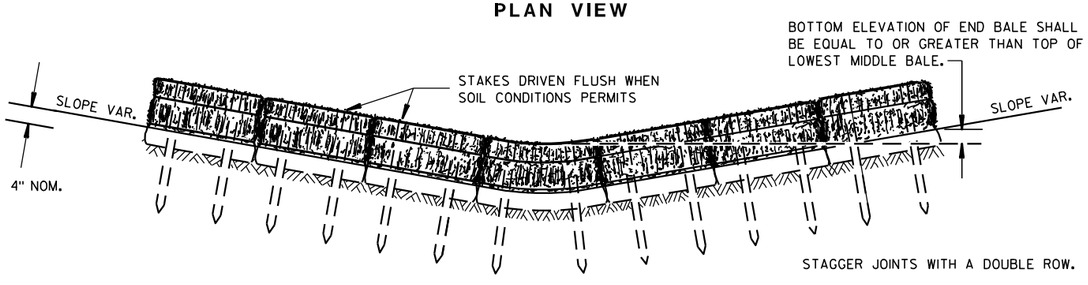
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SECTION A-A



PLAN VIEW



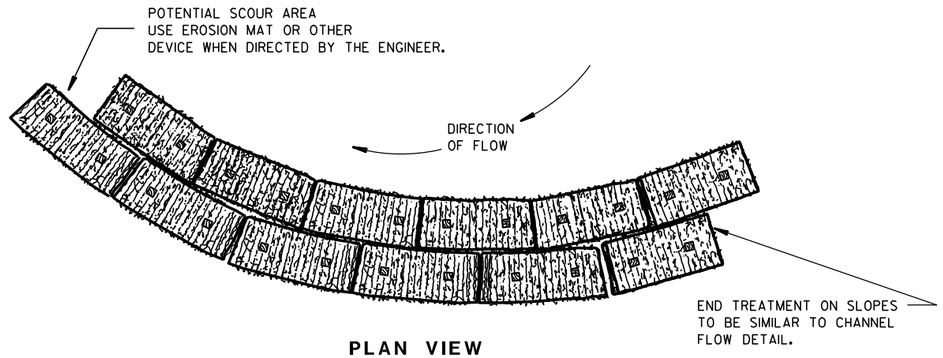
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

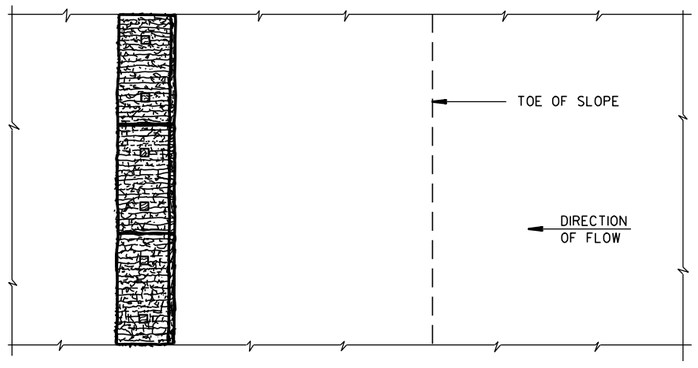
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

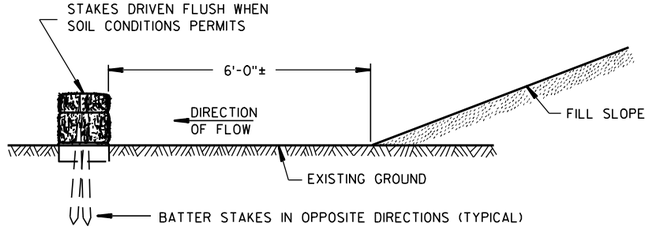


PLAN VIEW

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

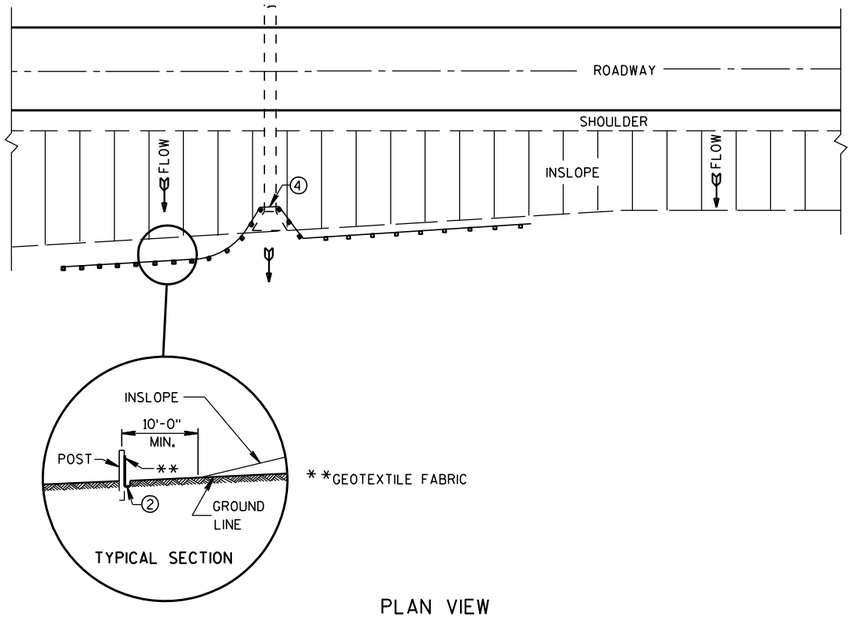
FHWA

6

S.D.D. 8 E 8-3

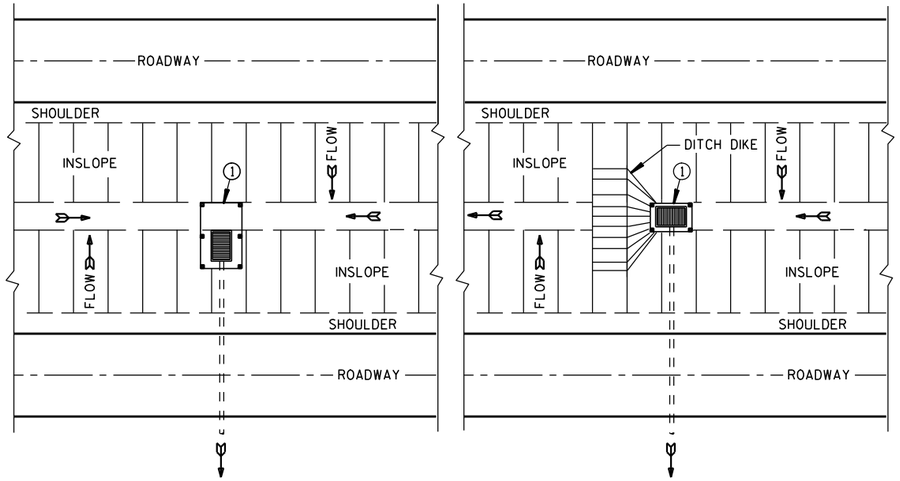
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



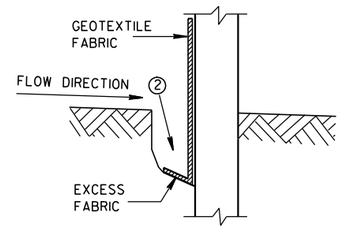
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

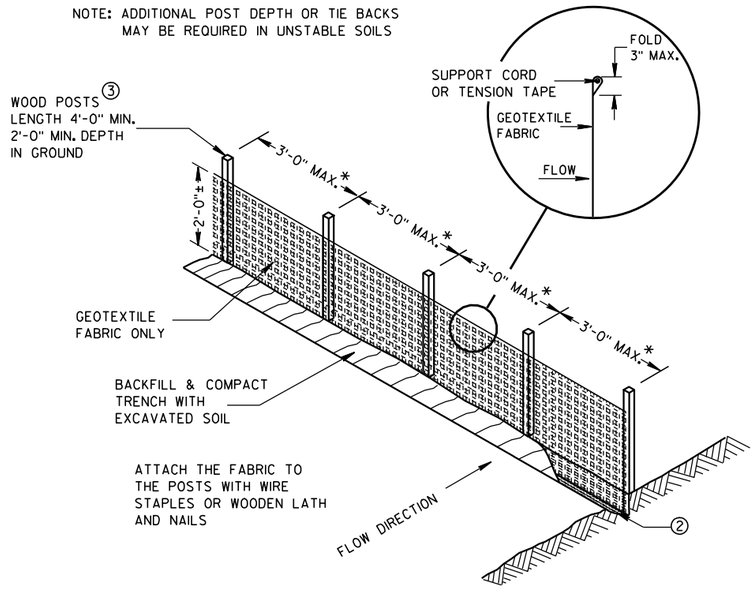
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

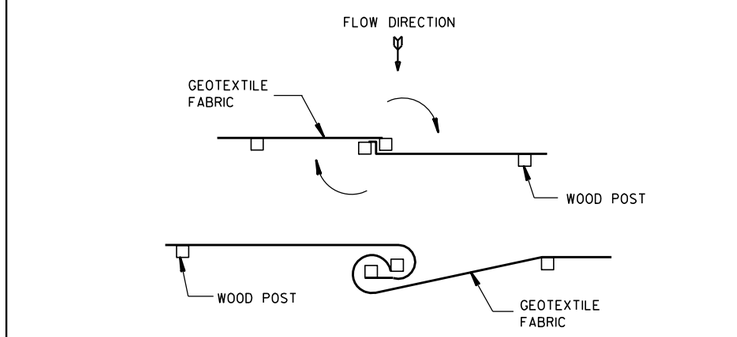
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL 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.



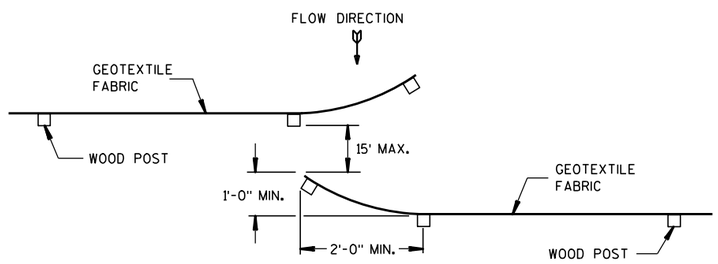
TRENCH DETAIL



SILT FENCE

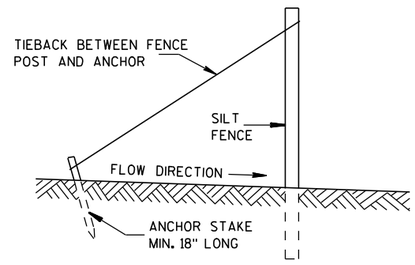


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

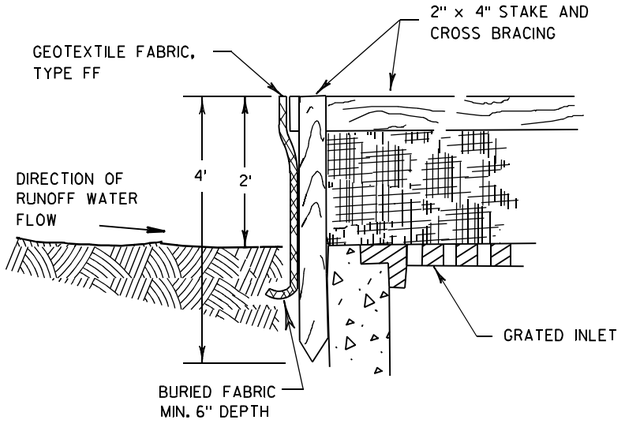
(WHEN REQUIRED BY THE ENGINEER)

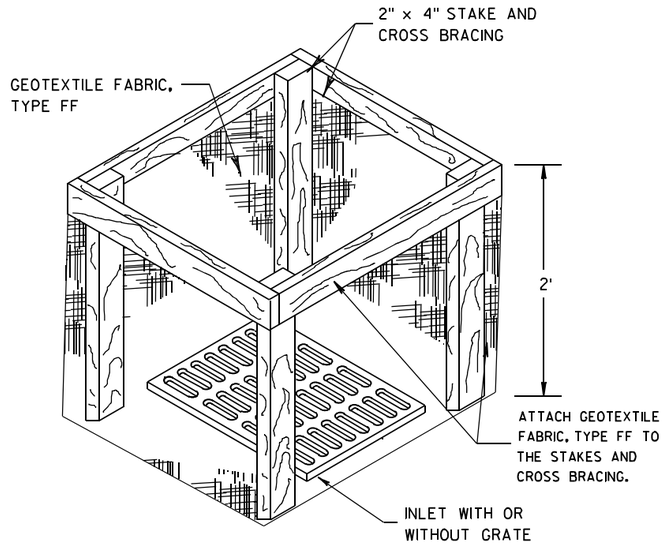
SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

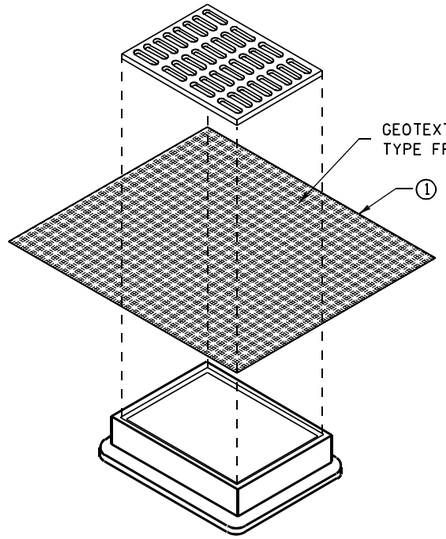
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 9-6



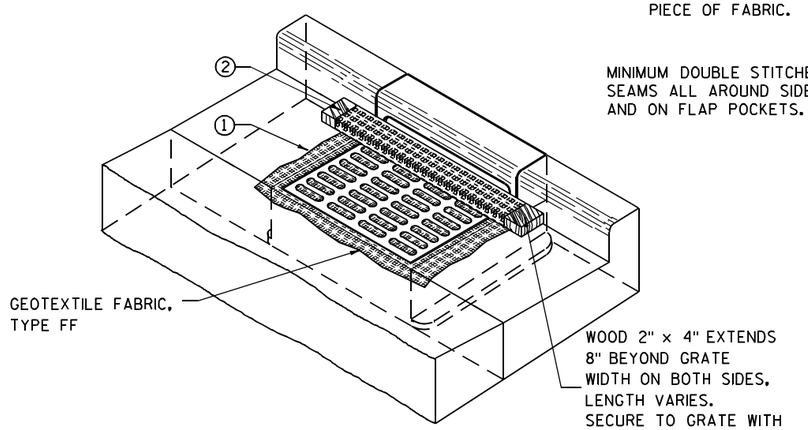


INLET PROTECTION, TYPE A

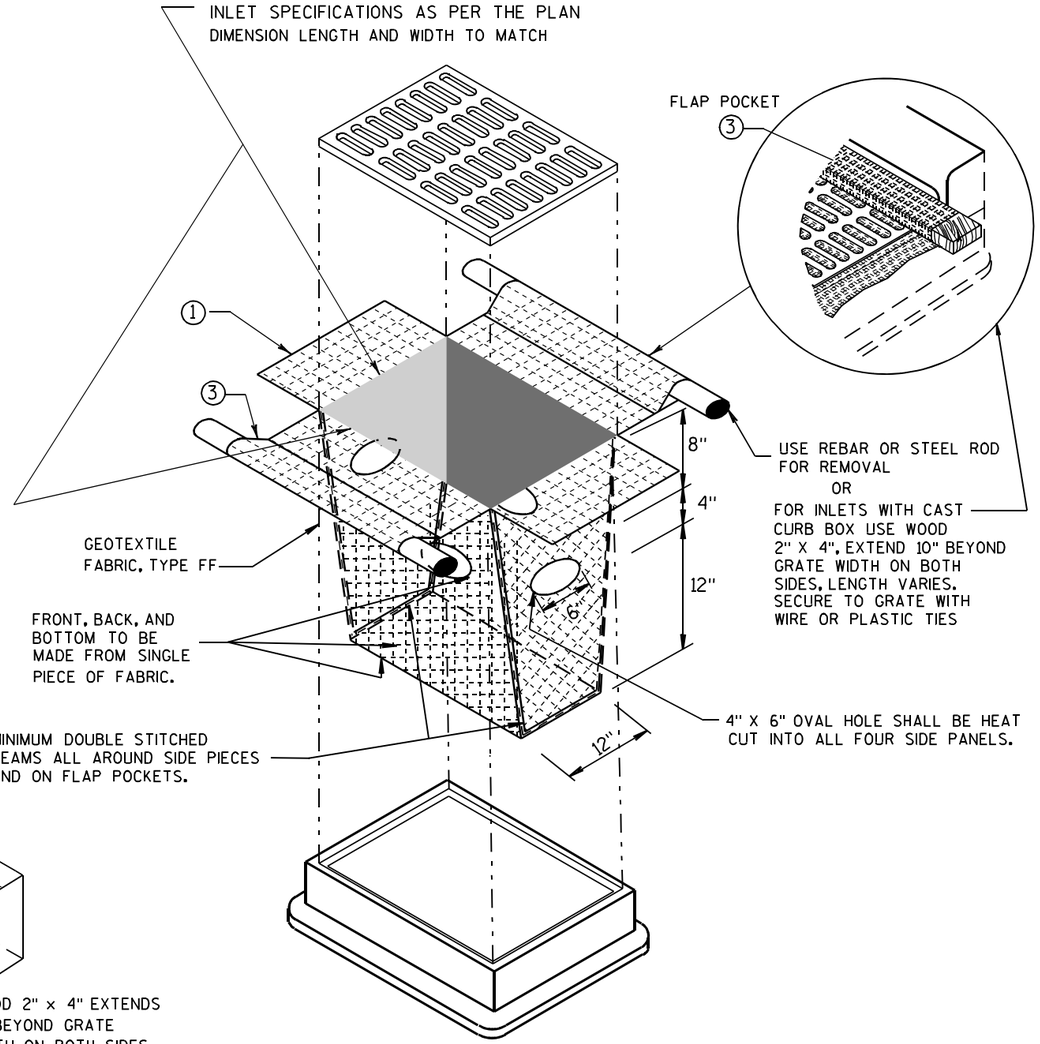


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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.

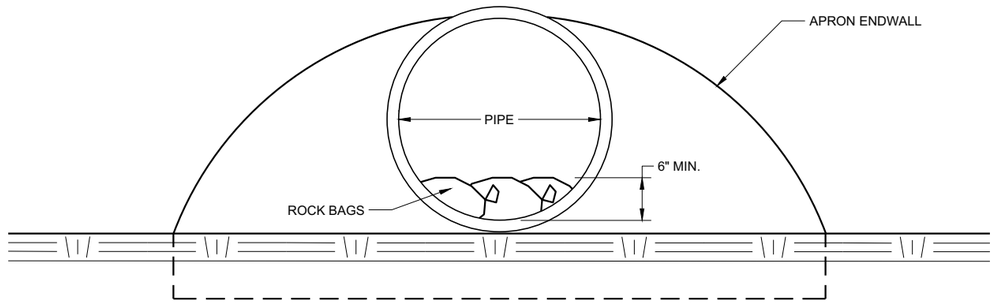
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

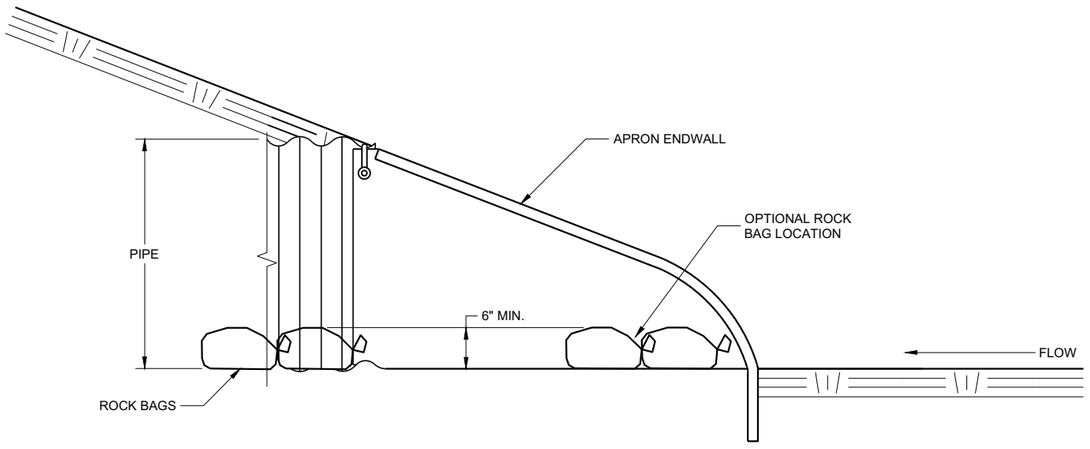
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



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

6

SDD 08E15 - 01

6

SDD 08E15 - 01

METAL APRON ENDWALLS

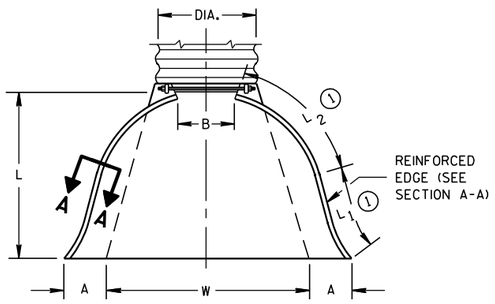
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

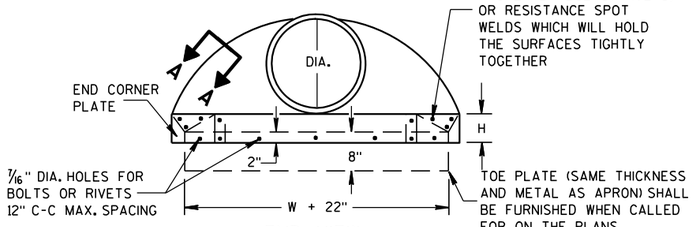
REINFORCED CONCRETE APRON ENDWALLS

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

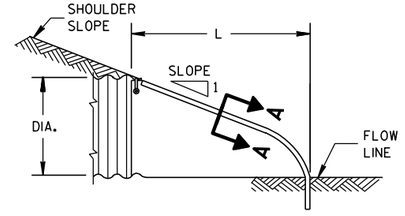
*MINIMUM
**MAXIMUM



PLAN VIEW

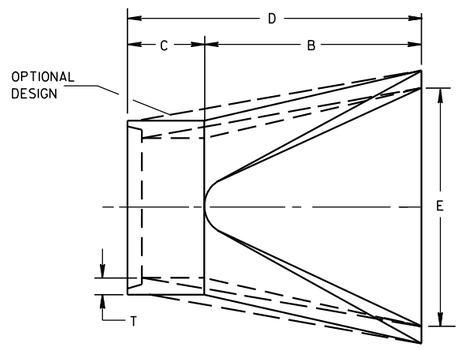


END VIEW

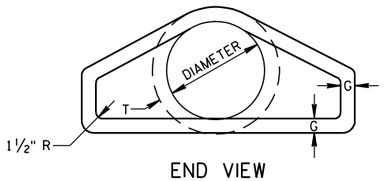


SIDE ELEVATION

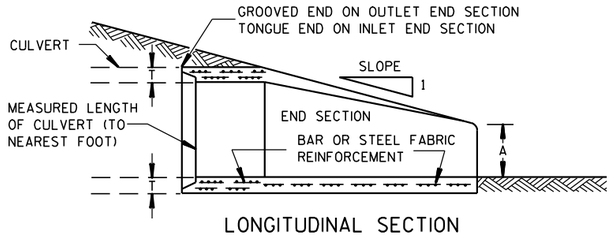
METAL ENDWALLS



PLAN

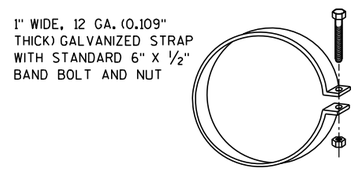


END VIEW



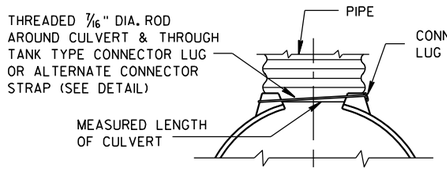
LONGITUDINAL SECTION

CONCRETE ENDWALLS

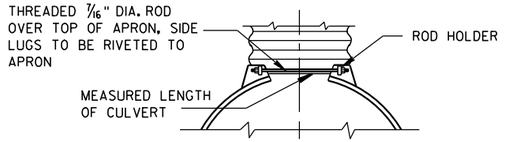


ALTERNATE FOR TYPE 1 CONNECTION

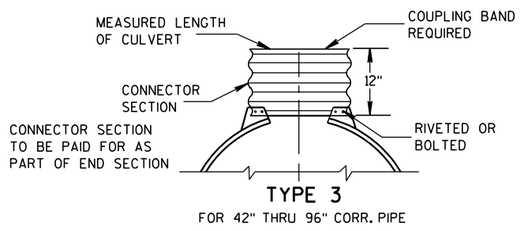
END SECTION CONNECTOR STRAP



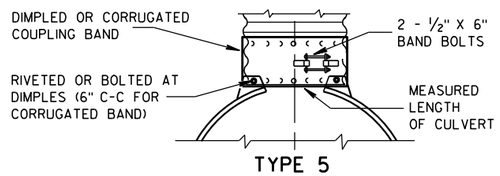
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

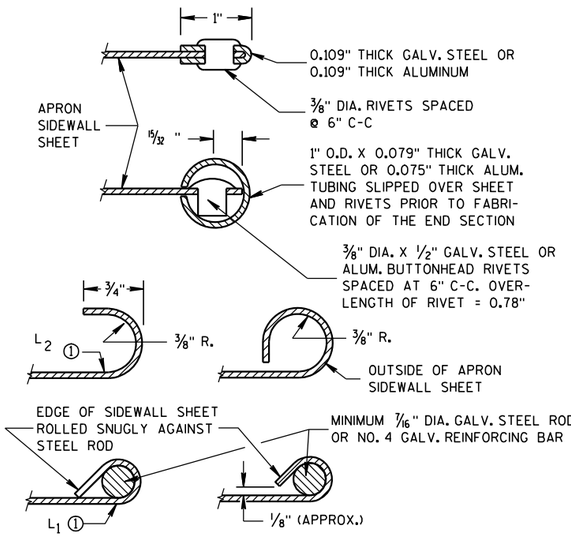
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

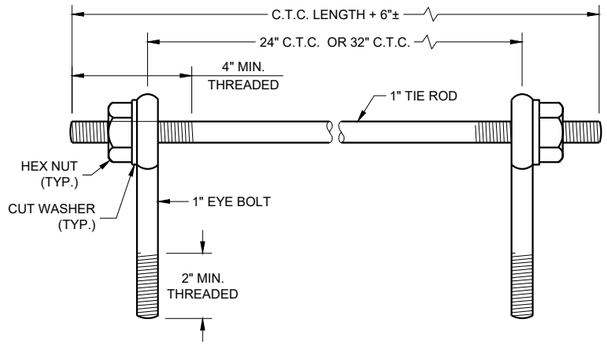
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

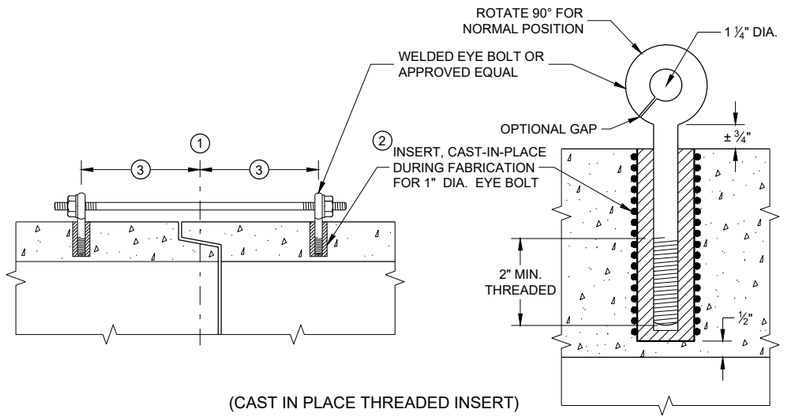
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 1-11



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) CENTER LINE 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.

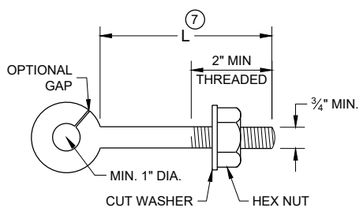
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

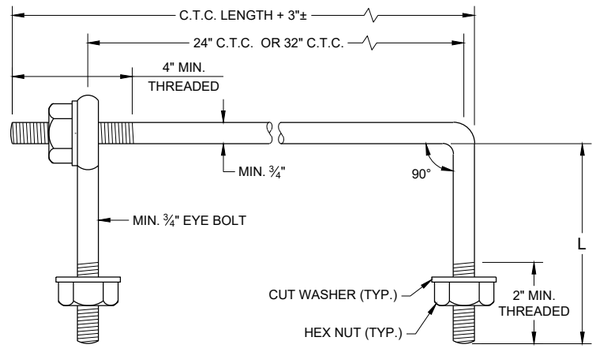
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

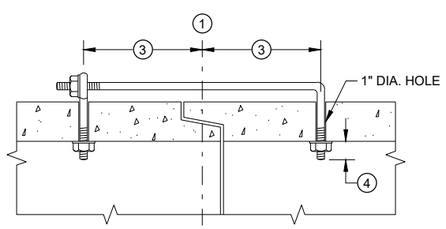


EYE BOLT (7)

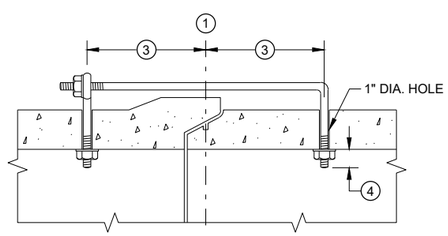
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

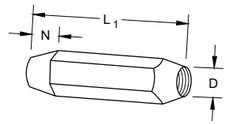
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

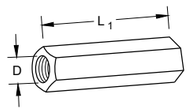
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



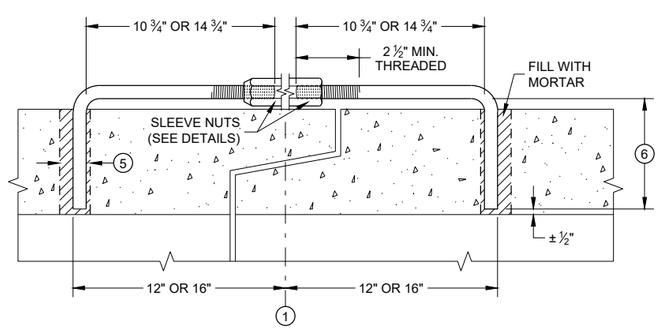
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PLAIN

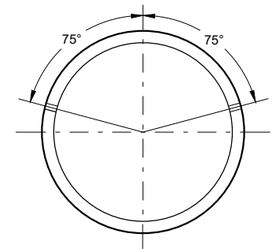
RIGHT AND LEFT THREADS

SLEEVE NUTS



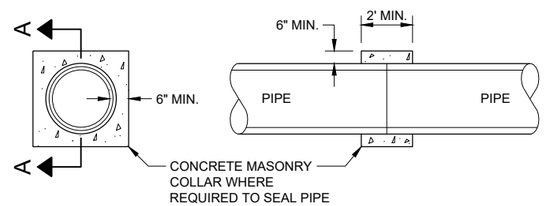
LONGITUDINAL SECTION

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

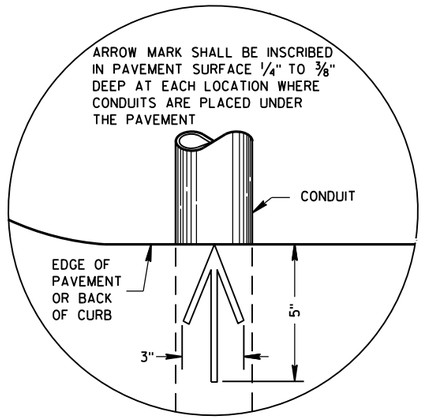
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

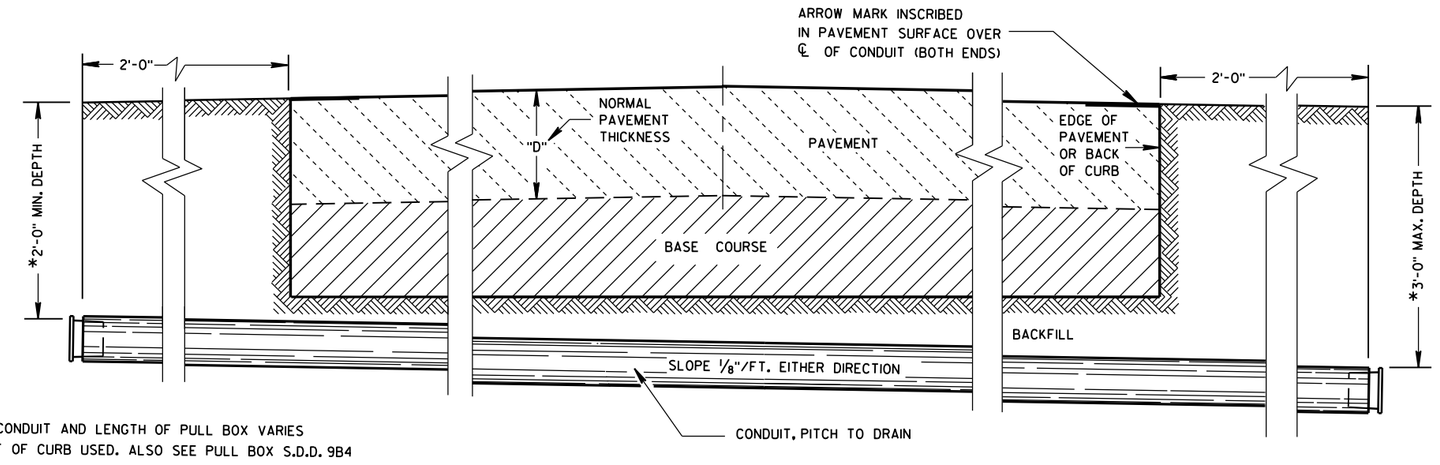
SDD 08F04 - 08

SDD 08F04 - 08



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.

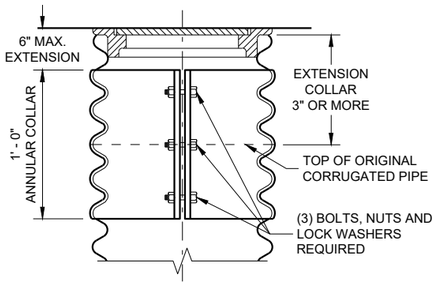
CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

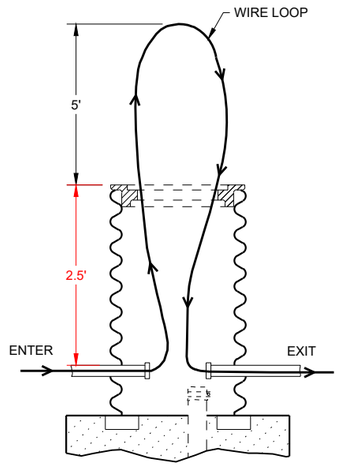
APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

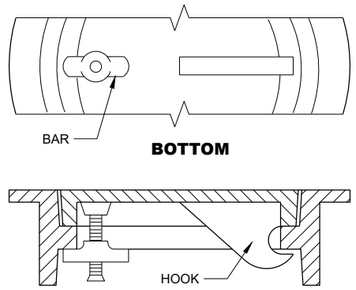
S.D.D. 9 B 2-10



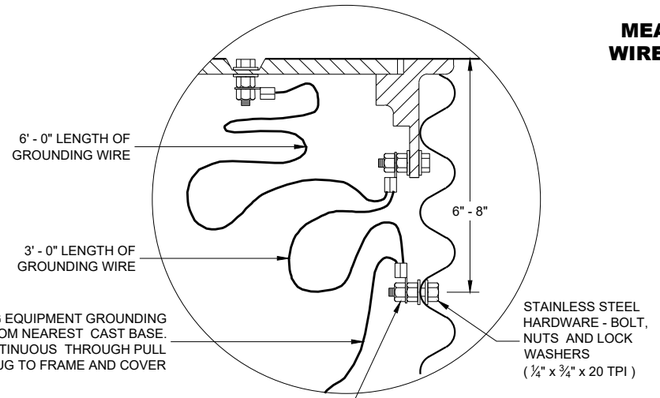
CORRUGATED PIPE EXTENDER



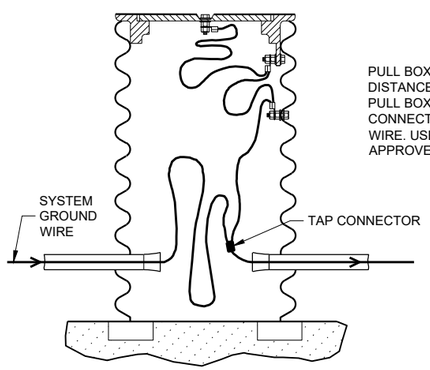
MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



ALTERNATE COVER (LOCKING)
TIGHTENING BAR TYPE

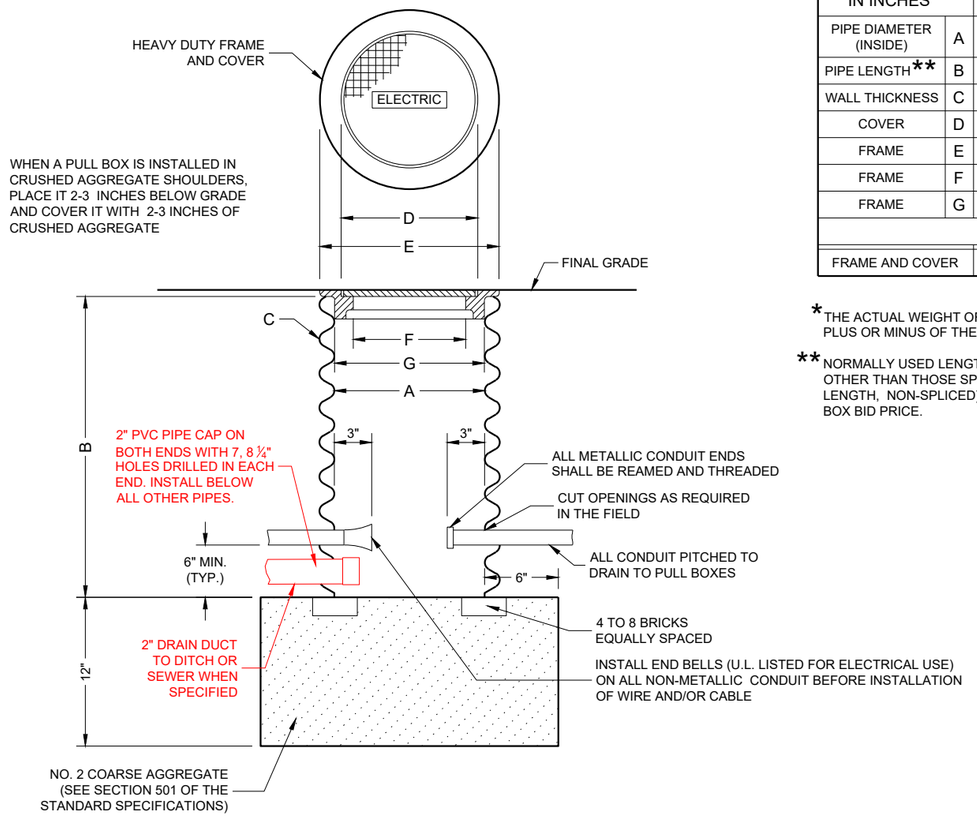


EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

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 ¼".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH**	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 ¼	10 ¼	10 ¼	16 ¼	16 ¼	16 ¼	22 ¼	22 ¼	22 ¼
FRAME	E	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½	26 ½	26 ½	26 ½
FRAME	F	8 ½	8 ½	8 ½	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½
FRAME	G	11 ½	11 ½	11 ½	17 ½	17 ½	17 ½	23 ½	23 ½	23 ½
WEIGHT IN POUNDS*										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

*THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

**NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.

PULL BOX

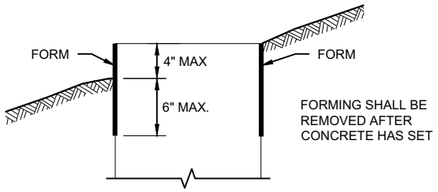
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 286

FHWA

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.

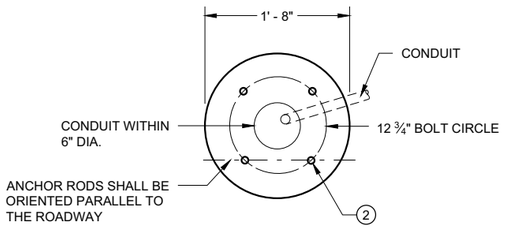
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

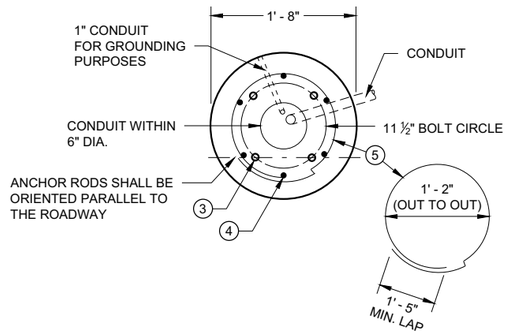
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

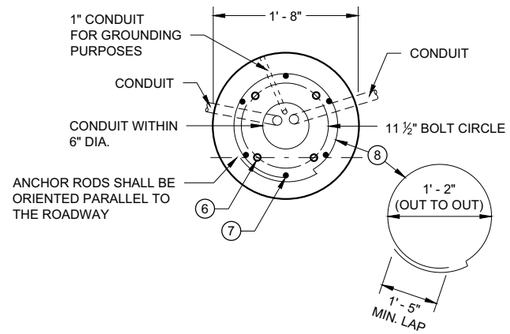
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

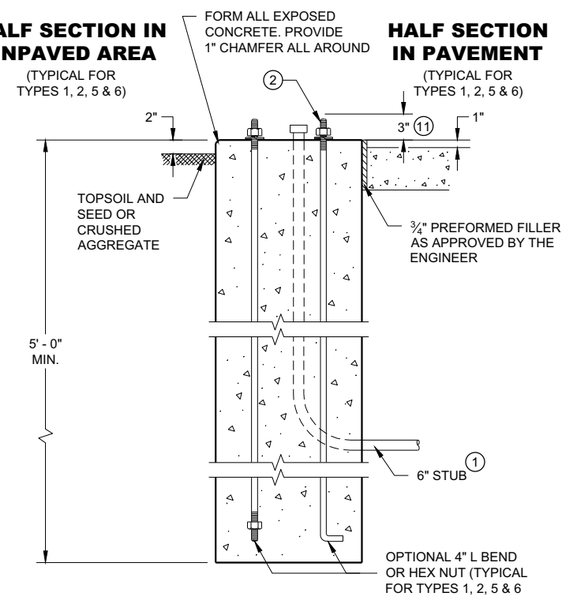
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

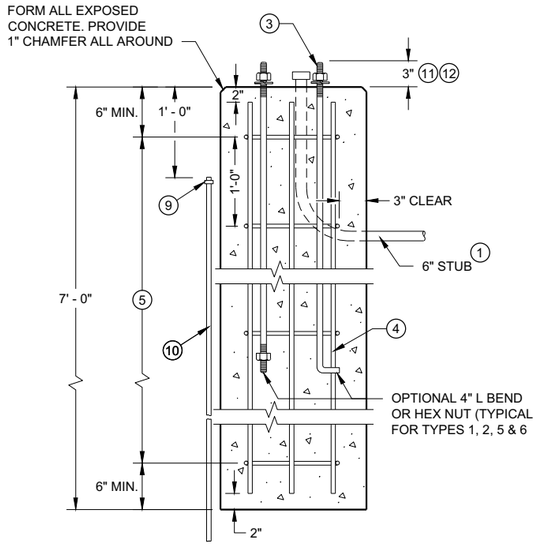
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

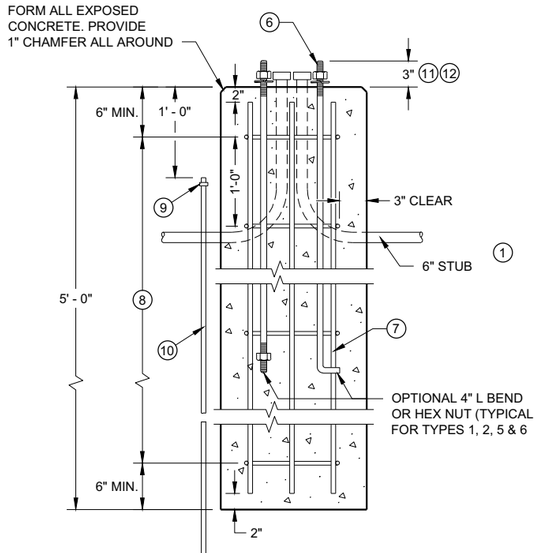
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



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
287

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.

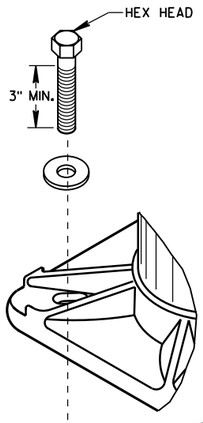
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

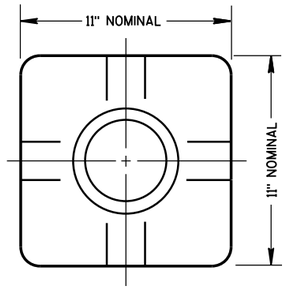
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

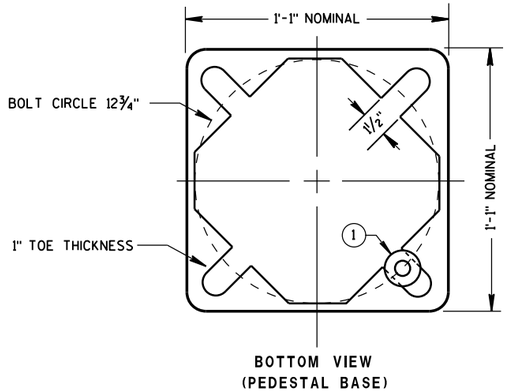
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

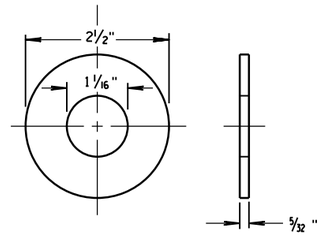




TOP VIEW
(PEDESTAL BASE)

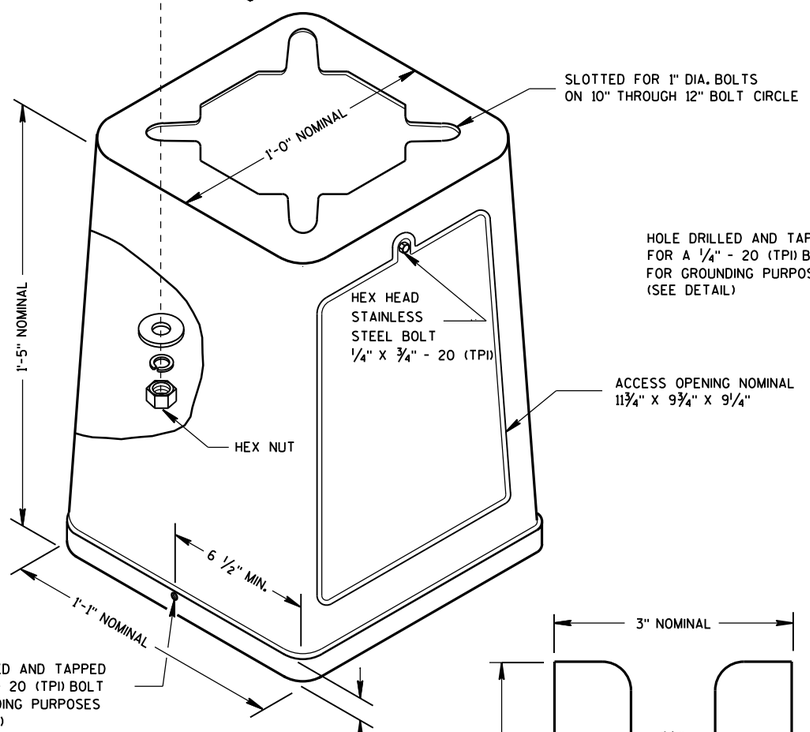


BOTTOM VIEW
(PEDESTAL BASE)

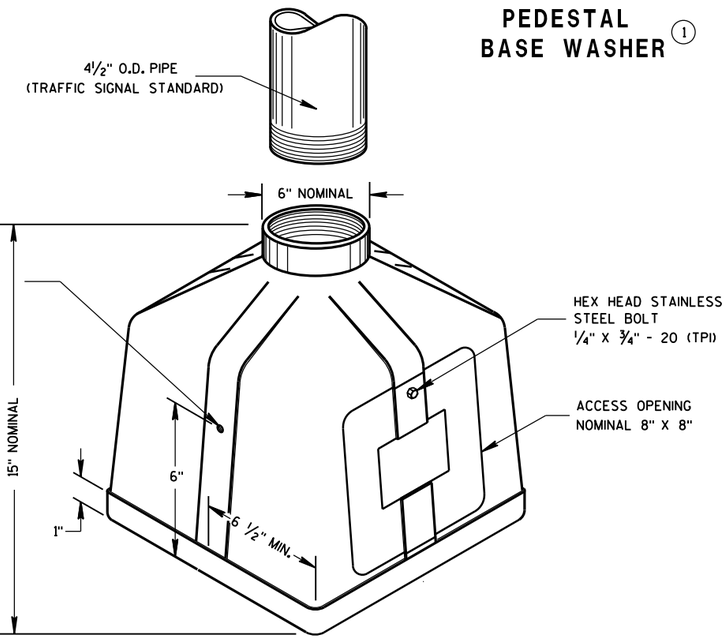


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

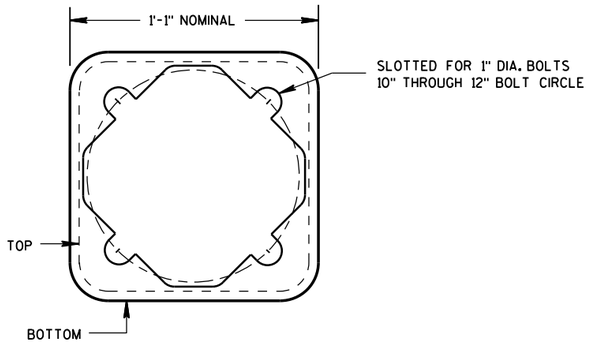
PEDESTAL BASE WASHER (1)



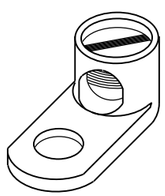
ISOMETRIC VIEW



ISOMETRIC VIEW
PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

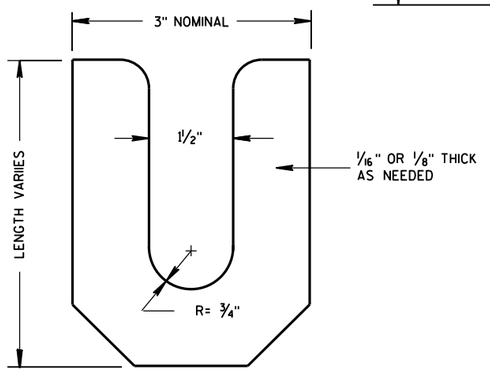


TYPICAL MECHANICAL CONNECTOR LUG

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

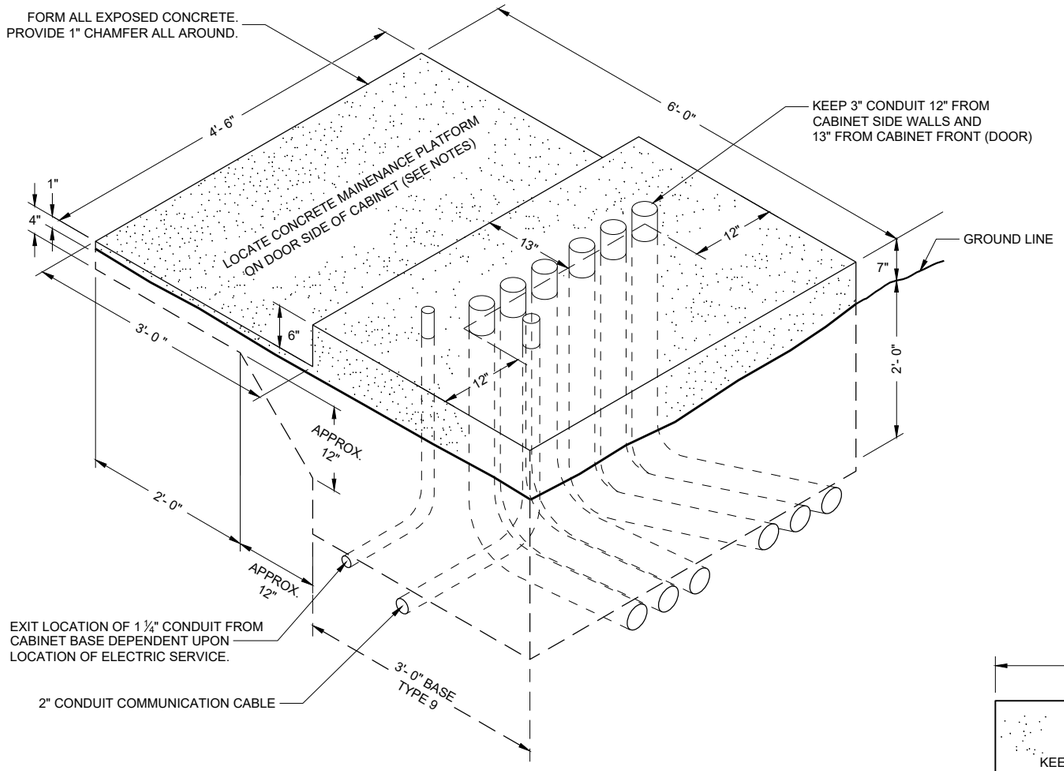
6

S.D.D. 9 C 3-4

6

S.D.D. 9 C 3-4

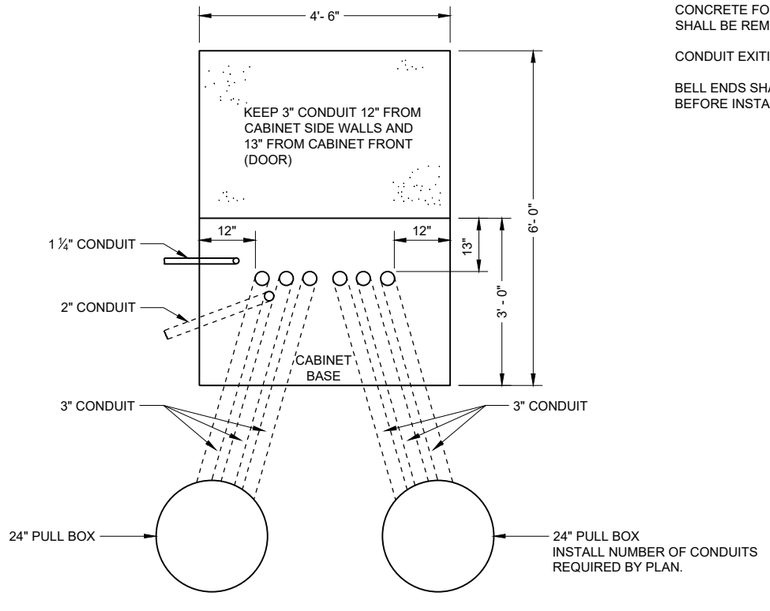
SDD 09C06 Concrete Control Cabinet Base, Type 9, Special



ISOMETRIC VIEW

TYPE 9 SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9 SPECIAL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS 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.

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 (SIX 3") SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

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 9, SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 289

FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER.

IF BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BASE IN LAYERS OF ONE FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

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 OF THE STANDARD SPECIFICATIONS.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

ANCHOR RODS SHALL BE 1" X 60".

WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4" "L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND END SHALL NOT BE THREADED.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 TIMES 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 OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE 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.

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.

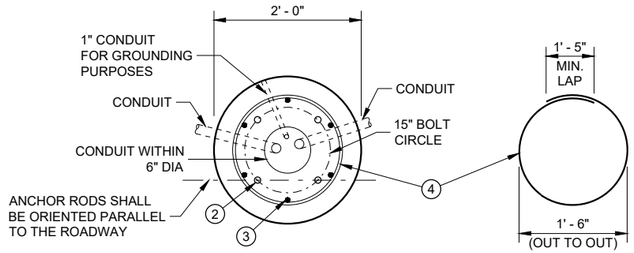
FOR USE WITH TYPE 7 AND TYPE 17 POLES.

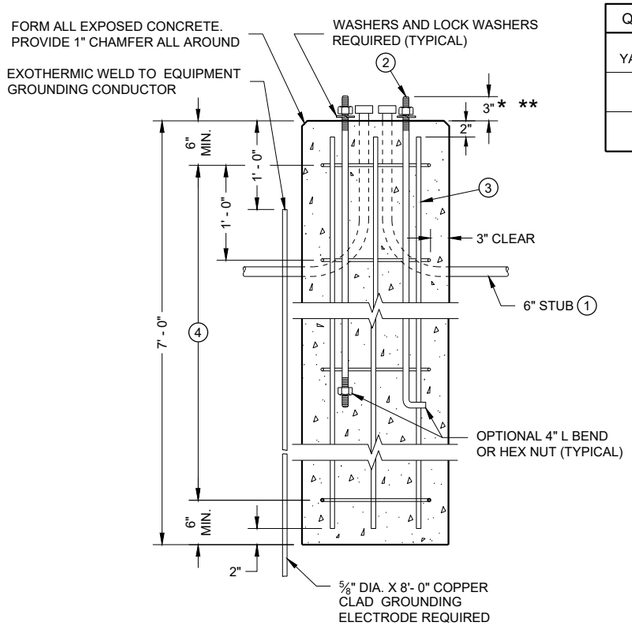
(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

(2) (4) 1" DIA. X 5'-0" ANCHOR RODS.

(3) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

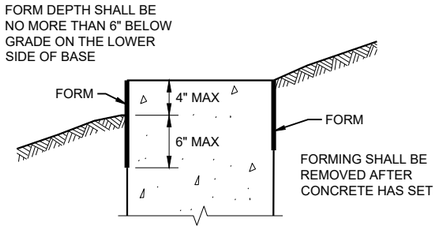
(4) (7) NO. 4 X 6'-2" BAR STEEL REINFORCEMENT @ 1'-0" C-C.



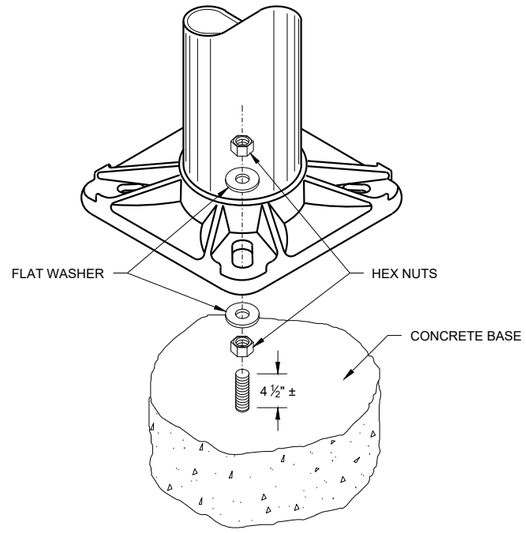


CONCRETE BASE, TYPE 7

QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	0.8
LBS. OF HOOP BAR STEEL	29
LBS. OF VERTICAL BAR STEEL	60



FORMING DETAIL



NON-BREAKAWAY INSTALLATION
(LEVELING NUT)

* 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.

** FOR NON-BREAKAWAY INSTALLATIONS, 4 ½"± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

CONCRETE BASE TYPE 17

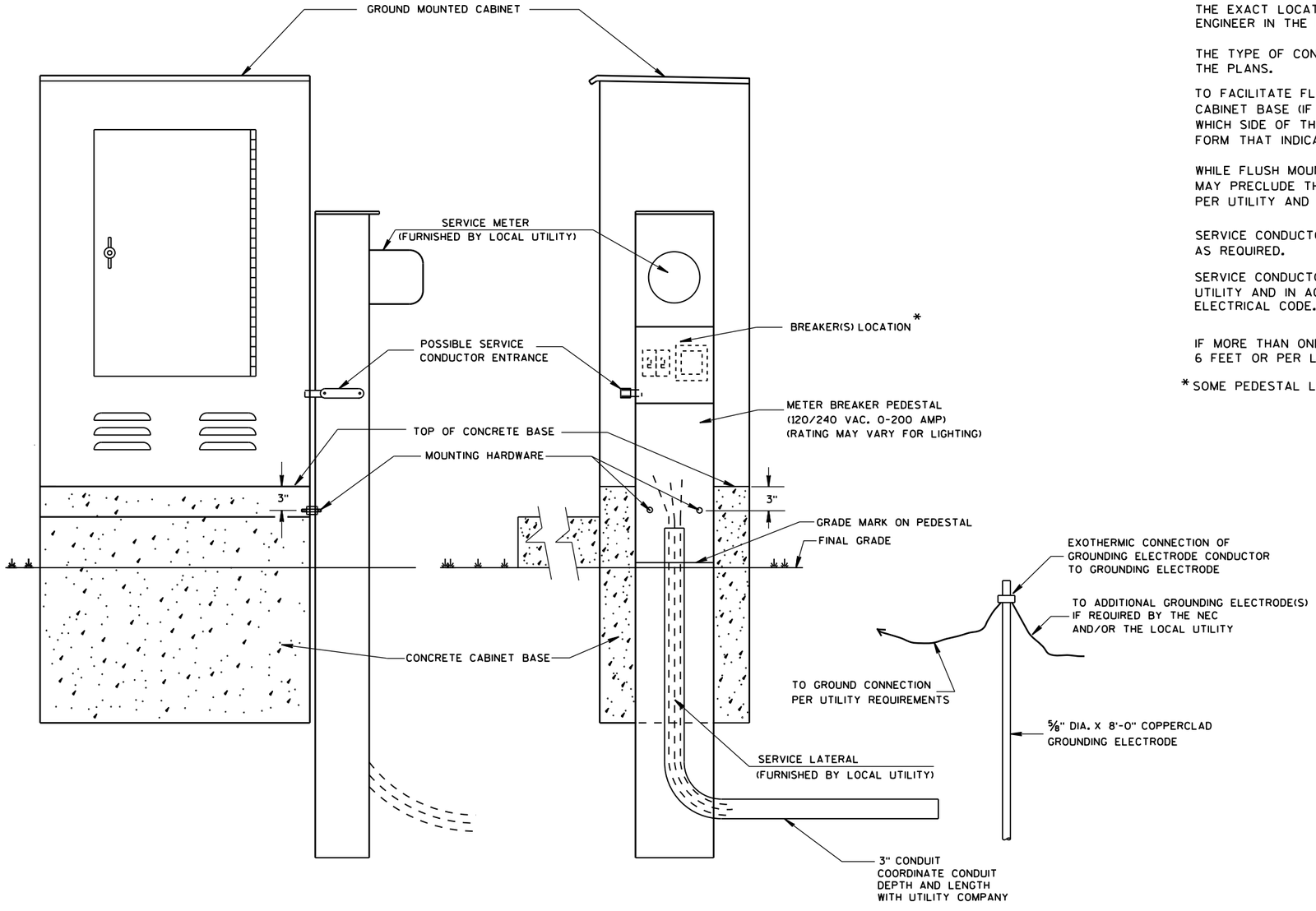
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Alex Crabtree — WIND LOADED STRUCTU PROGRAM LEADER

FHWA

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SDD 09C08 - 05



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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S.D.D. 9 D 1-5

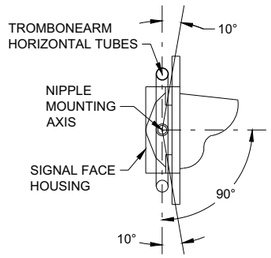
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA

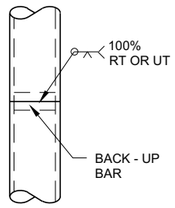


SECTION A-A

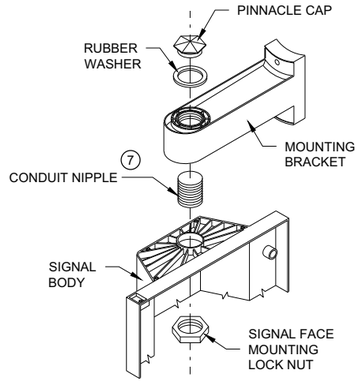
(10 DEGREES TILT REQUIREMENT OF FACE(S) IN THE TROMBONE MOUNTING)

FOR MANUFACTURERS USE ONLY

WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.



POLE SPLICE DETAIL



SIGNAL FACE MOUNTING DETAIL

(BANDED)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THEPERTINENT REQUIREMENTS OF THE CONTRACT.

POLES SHALL BE EITHER ALUMINUM OR GALVANIZED STEEL AS CALLED FOR IN THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

TYPE 2 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

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) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING,PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) ASREQUIRED, TO PLUMB THE SIGNAL FACES.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

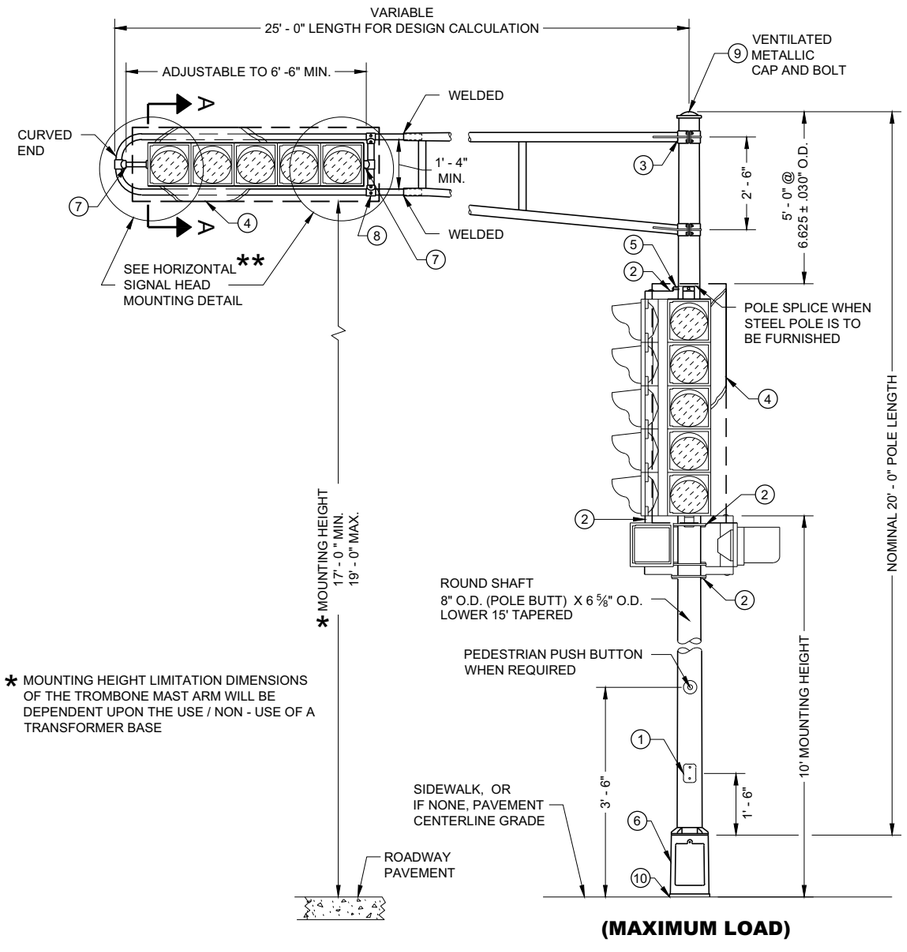
(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOTINTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUTIS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

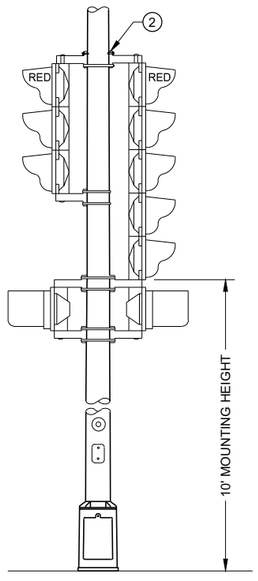
(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

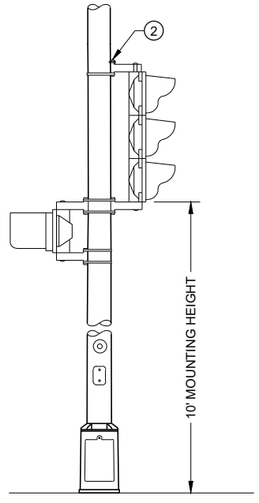


* MOUNTING HEIGHT LIMITATION DIMENSIONS OF THE TROMBONE MAST ARM WILL BE DEPENDENT UPON THE USE / NON - USE OF A TRANSFORMER BASE

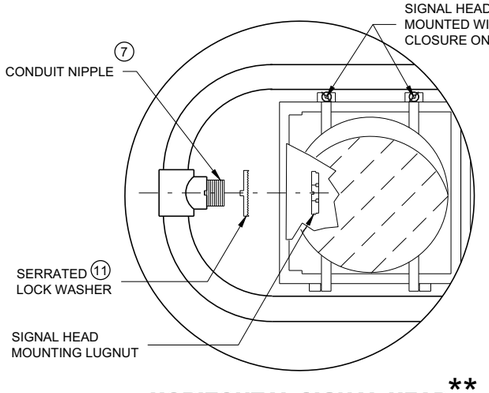
(MAXIMUM LOAD)



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD ** MOUNTING DETAIL

** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

TYPE 2 POLE MOUNTING CONFIGURATION

POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2

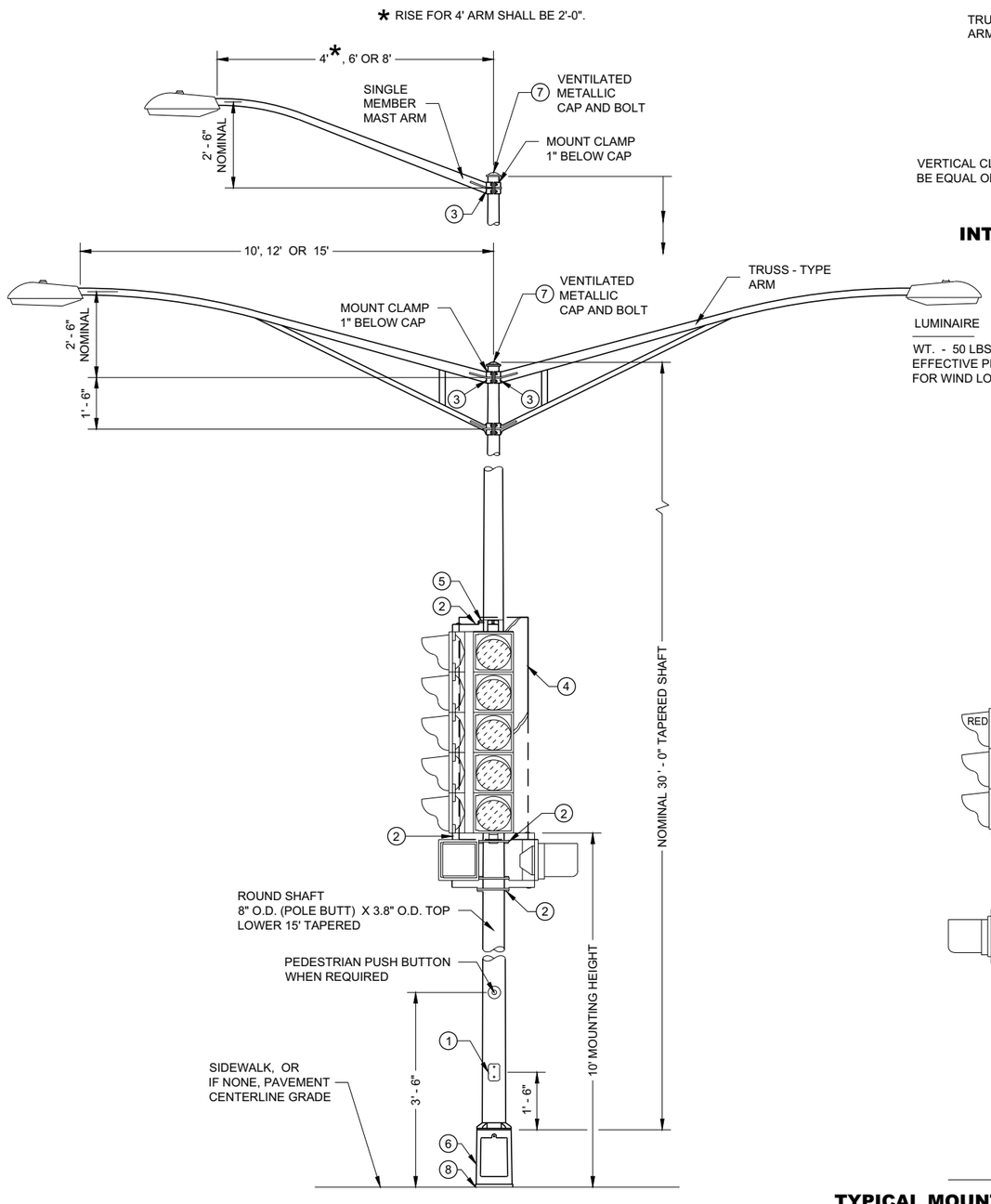
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

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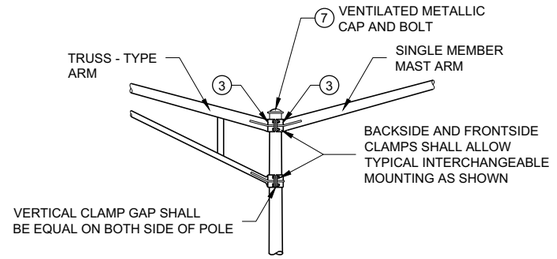
SDD 09E01 - 15a

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SDD 09E01 - 15a



(MAXIMUM LOAD)



INTERCHANGEABLE MOUNTING DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL TYPE 4 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL WITH A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

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) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

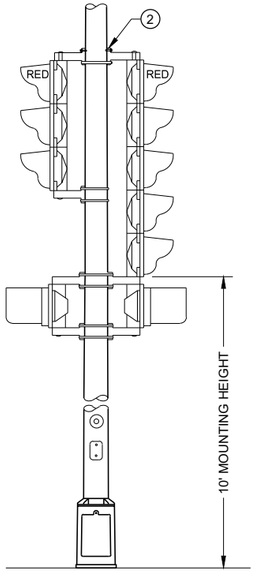
(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

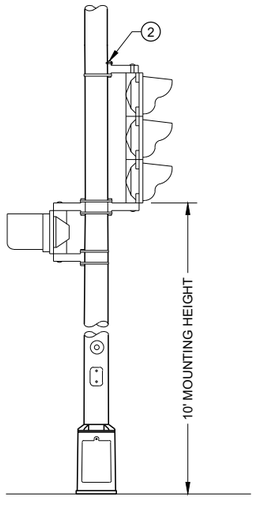
(7) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(8) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

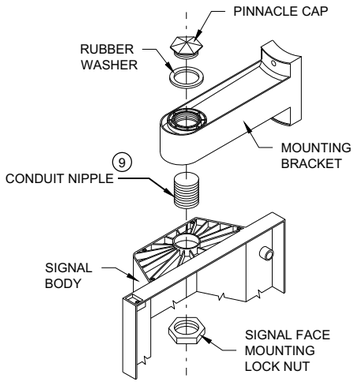
(9) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



SIGNAL FACE MOUNTING DETAIL
(BANDED)

TYPE 4 POLE MOUNTING CONFIGURATION

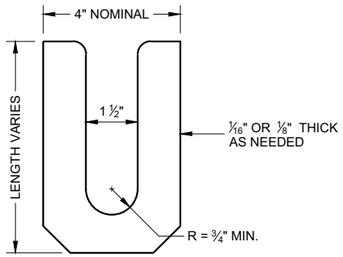
POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 4

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

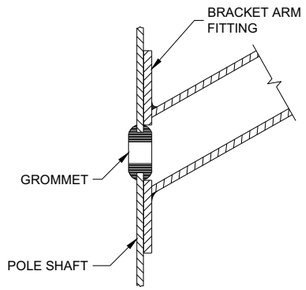
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SDD 09E01 - 15c

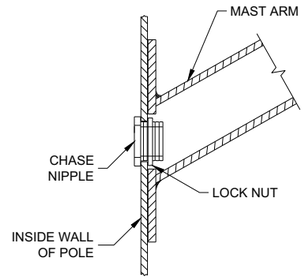
SDD 09E01 - 15c



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.

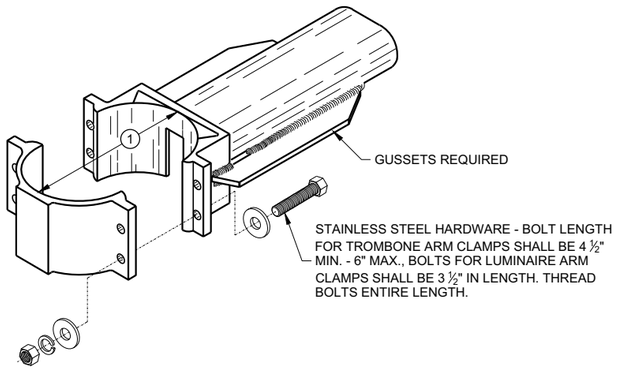
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

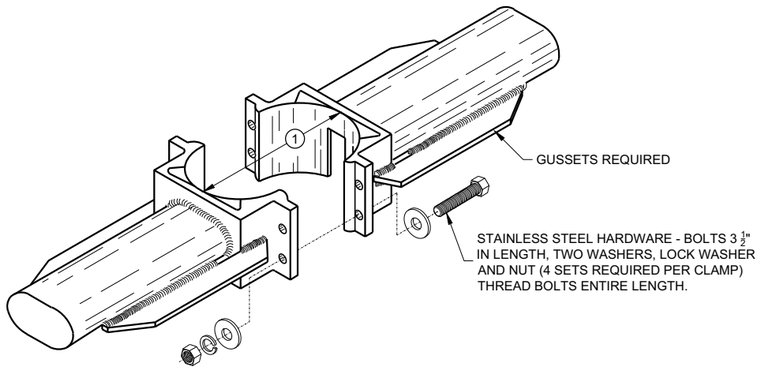
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(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.

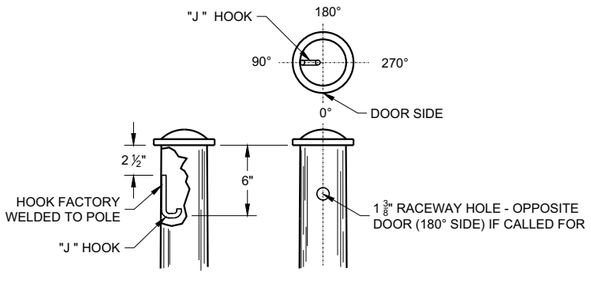
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



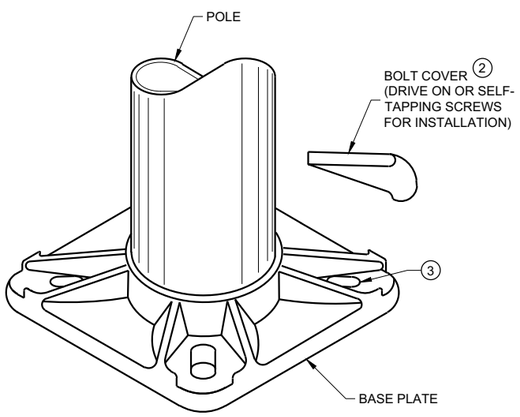
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



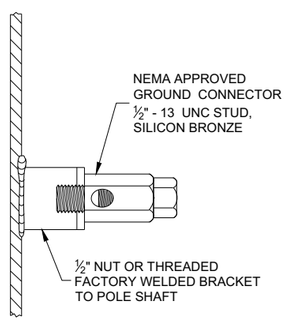
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

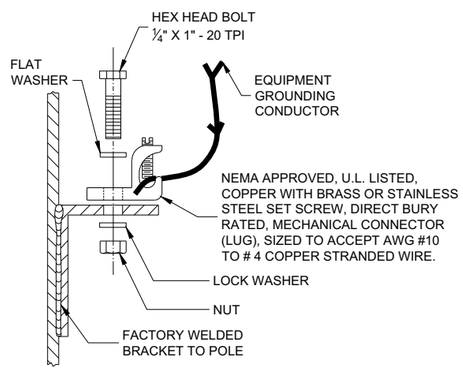


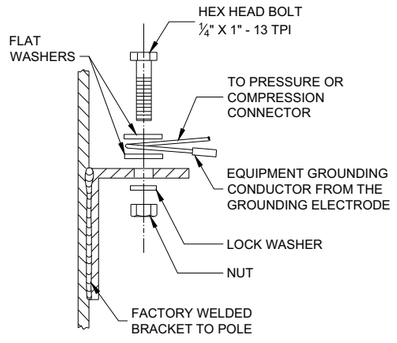
TYPICAL "J" HOOK LOCATION



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 294

FHWA

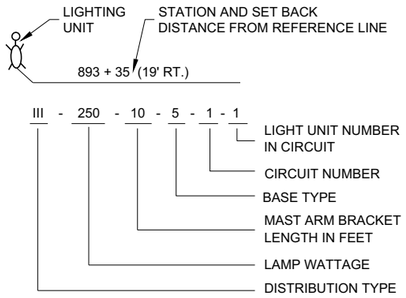
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SDD 09E01 - 15g

GENERAL NOTES

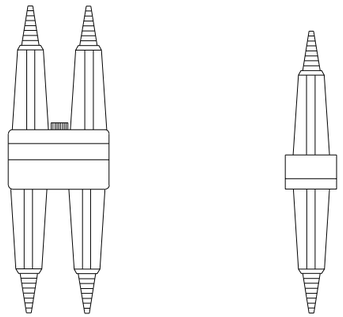
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

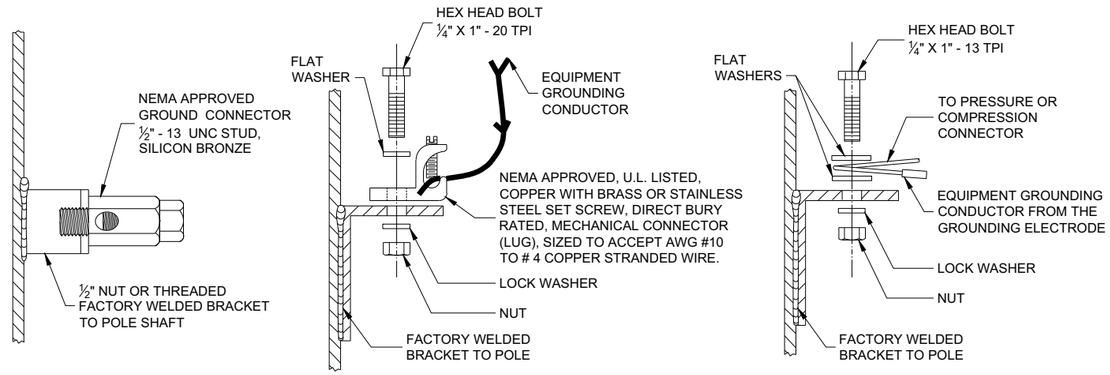


LIGHTING UNIT CODE
(TYPICAL)

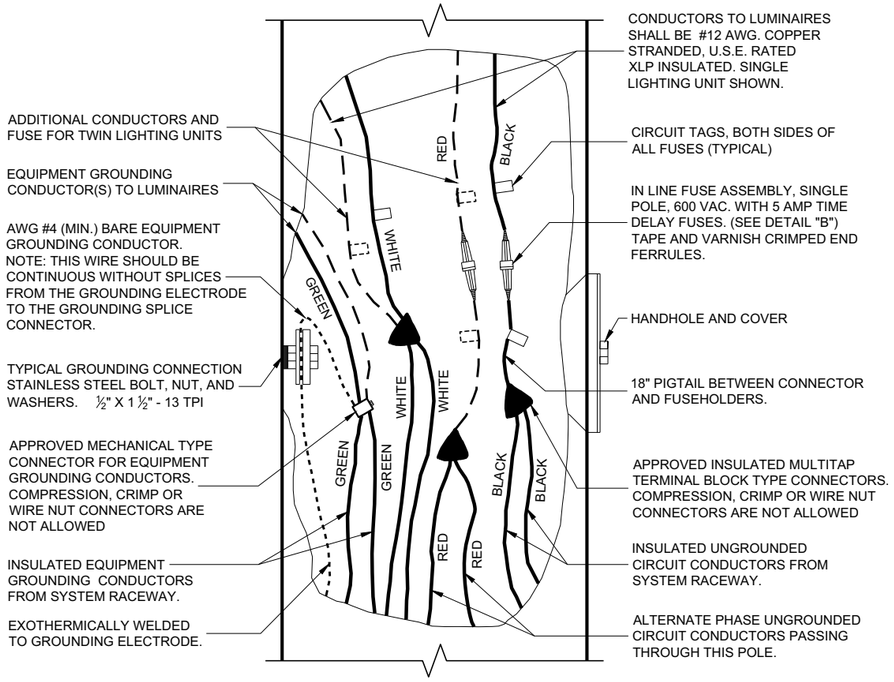


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

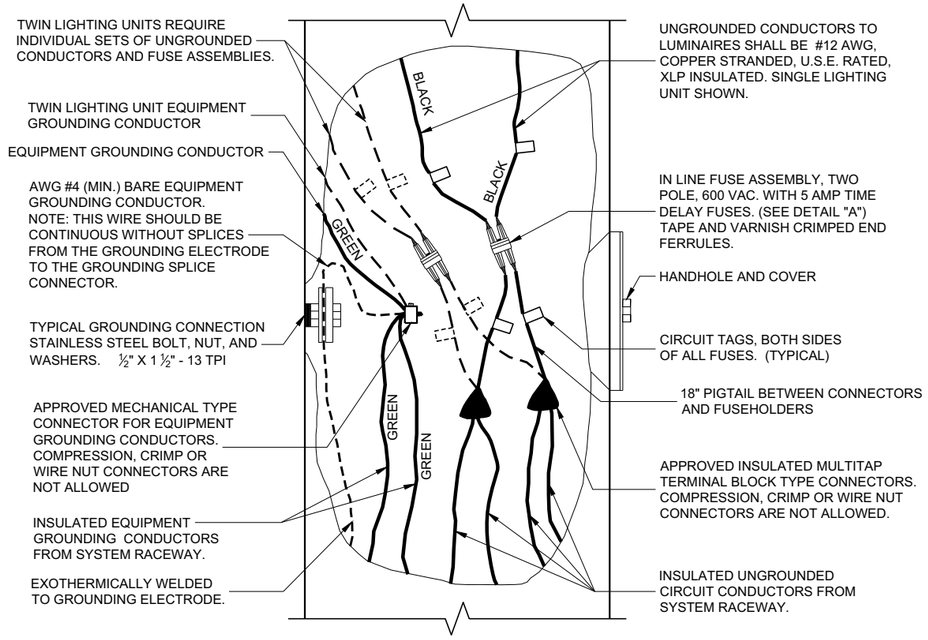
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

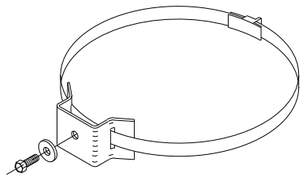
NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

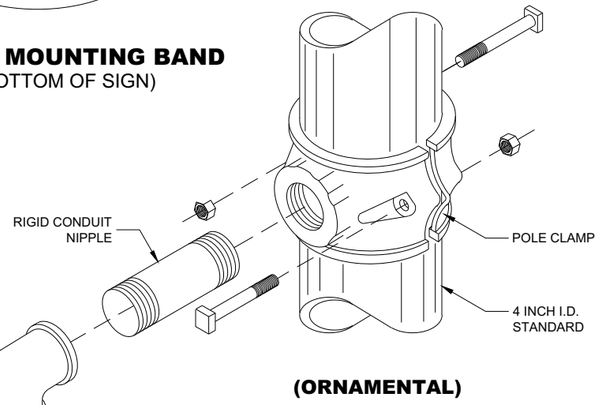
APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

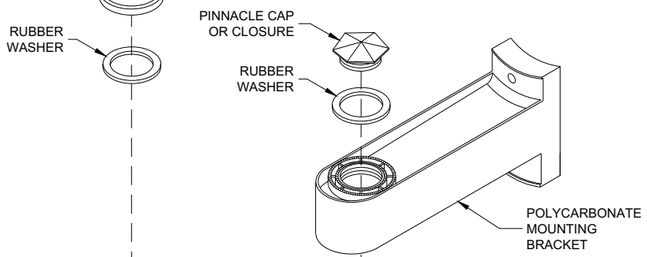
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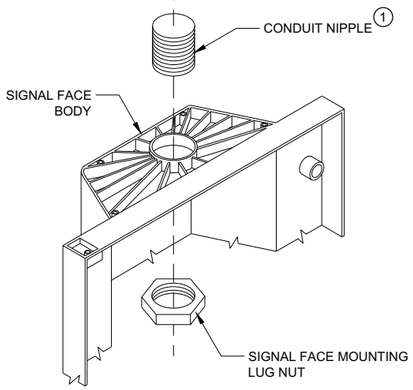
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



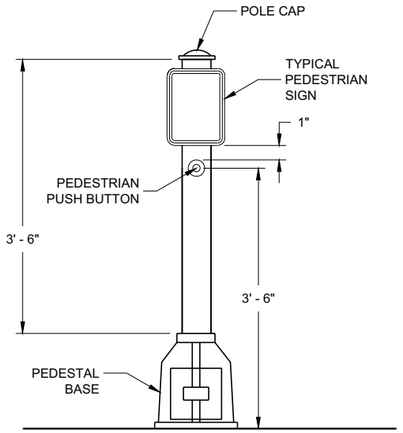
(ORNAMENTAL)



(BANDED)



SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS, UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

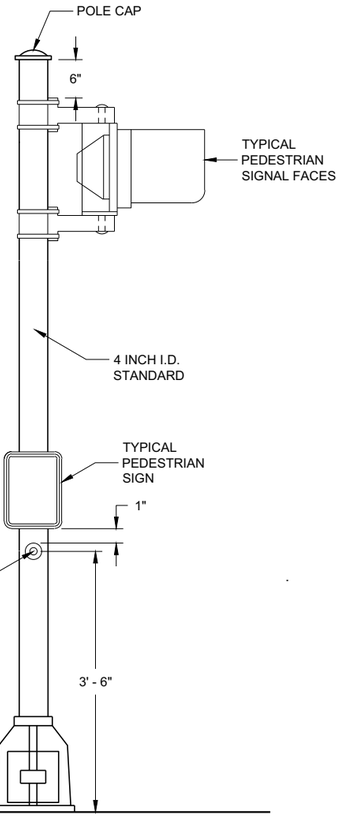
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

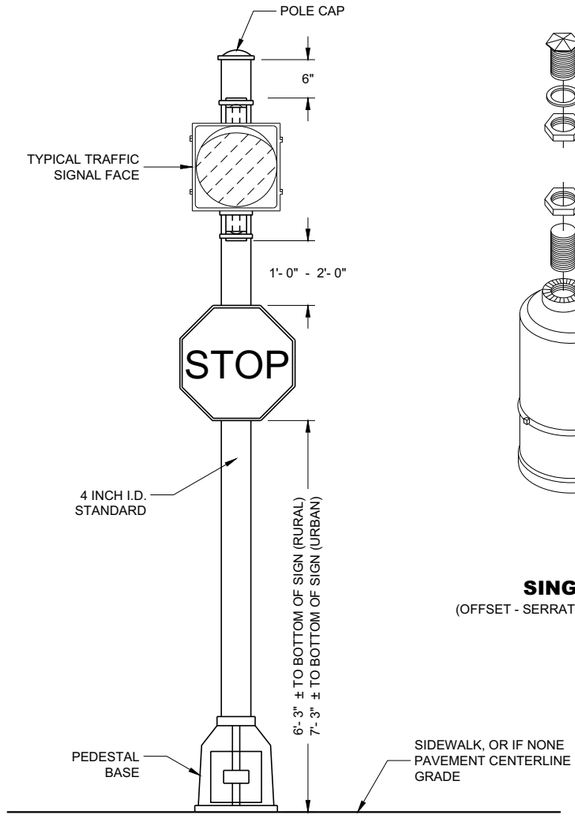
PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

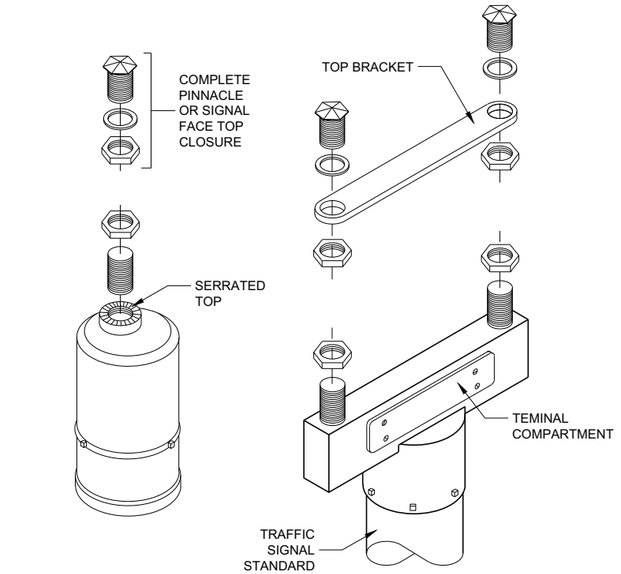
(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACESAND BRACKET ENDS.



PEDESTRIAN FACE STANDARD - 10 FT.
(WALK - DON'T WALK)



STANDARD FLASHER
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED



SINGLE
(OFFSET - SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

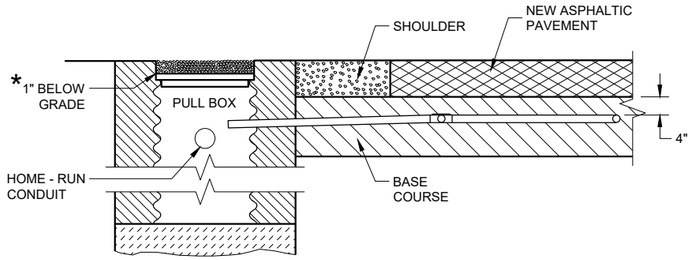
APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 296

FHWA

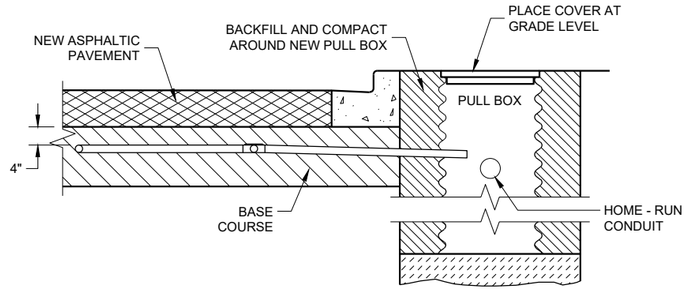
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SDD 09E07 - 06



SECTION A - A
NO CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL



SECTION B - B
CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL

* RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

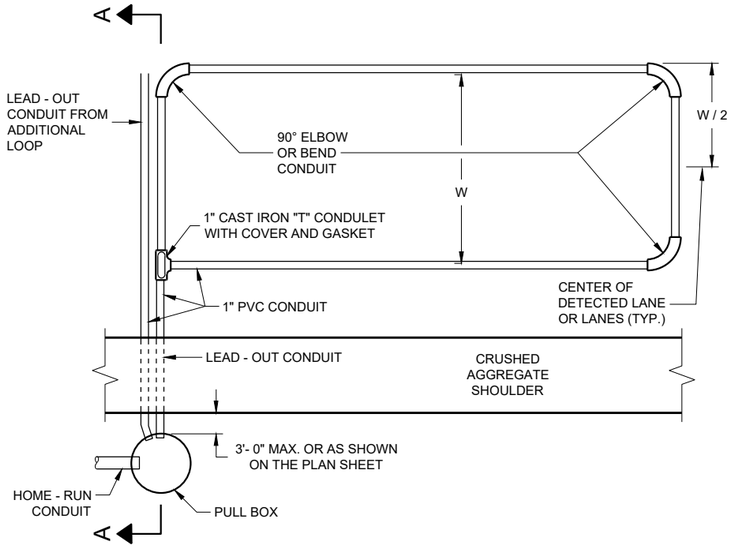
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, THROUGH THE LOOP DUCT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE PULL BOX IN THE BASE COURSE, AND THE RELATED CONDUITS SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW CONCRETE PAVEMENT IS POURED.

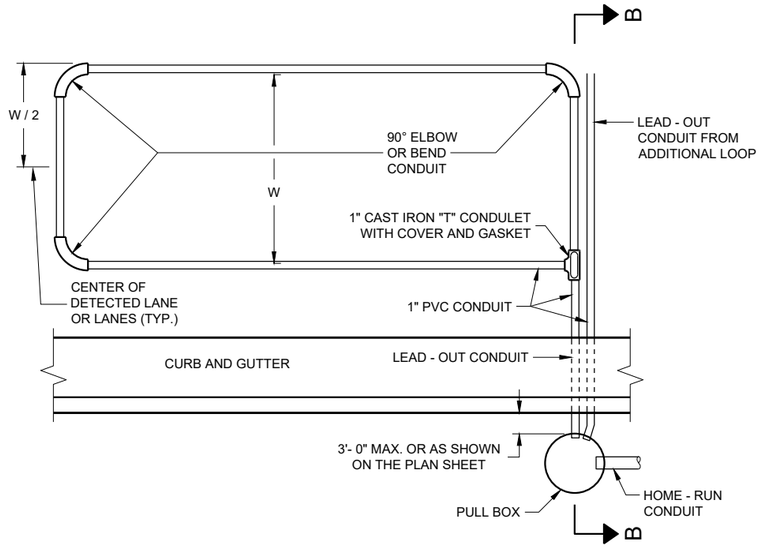
PROTECTION OF THE PULL BOX AND CONDULET SHALL BE REQUIRED AFTER THE ASPHALTIC PAVEMENT IS PLACED.

WHEN MULTIPLE LAYERS OF ASPHALTIC PAVEMENT ARE TO BE PLACED, LOOPS MAY BE INSTALLED BY SAWING A TWO INCH WIDE SLOT IN THE FIRST LAYER, DIG OUT THE ASPHALTIC MATERIAL AND BASE COURSE, PLACE THE LOOP, FILL THE SLOT WITH BASE COURSE MATERIAL AND NEW ASPHALTIC MATERIAL AND TAMP THE ASPHALTIC MATERIAL IN PLACE.

SHOULD TRAFFIC BE ALLOWED TO USE THE AREA OF ROADWAY WITH THE NEWLY INSTALLED LOOP BEFORE THE PLACEMENT OF THE NEXT LAYER OF ASPHALTIC PAVEMENT, THE SLOT/PAVEMENT OPENING SHALL BE SEALED WITH HOT POURED ELASTIC TYPE MATERIAL CONFORMING TO THE REQUIREMENTS OF THE "SPECIFICATION FOR JOINT SEALANTS, HOT POURED, FOR CONCRETE AND ASPHALT PAVEMENTS, ASTM DESIGNATION: D3405".



TYPICAL PLAN OF LOOP DETECTOR



TYPICAL PLAN OF LOOP DETECTOR

LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW ASPHALTIC PAVEMENT)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE

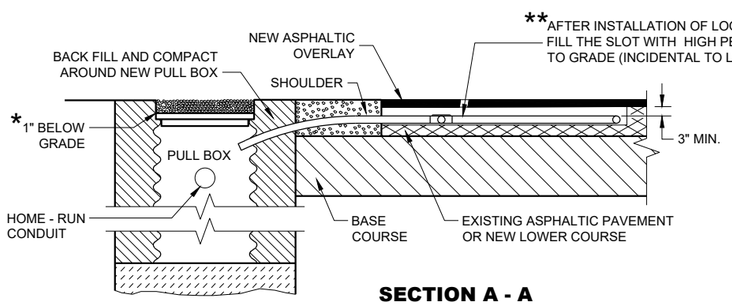
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

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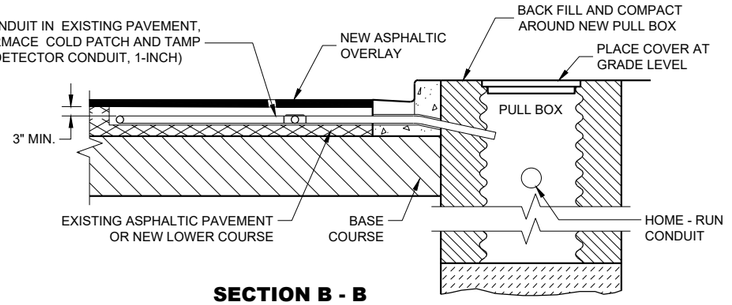
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SDD 09F08 - 04



SECTION A - A
NO CURB AND GUTTER

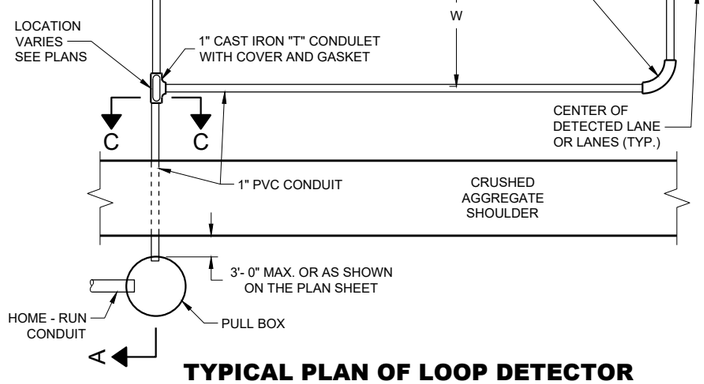
LOOP DETECTOR INSTALLATION DETAIL



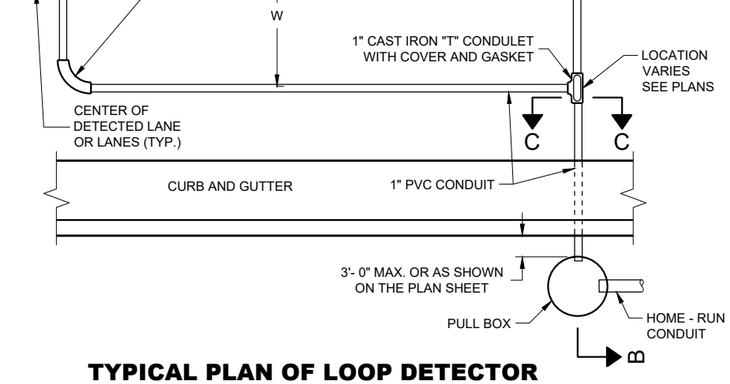
SECTION B - B
CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL

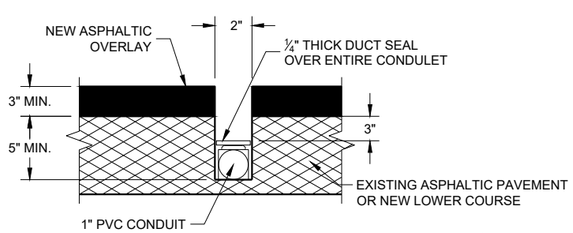
* RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.



TYPICAL PLAN OF LOOP DETECTOR



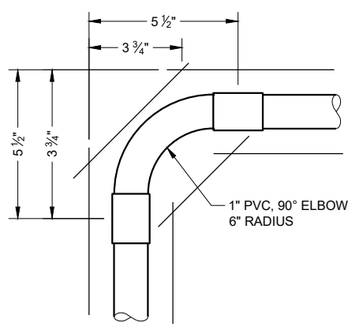
TYPICAL PLAN OF LOOP DETECTOR



SIDE VIEW
SECTION C - C

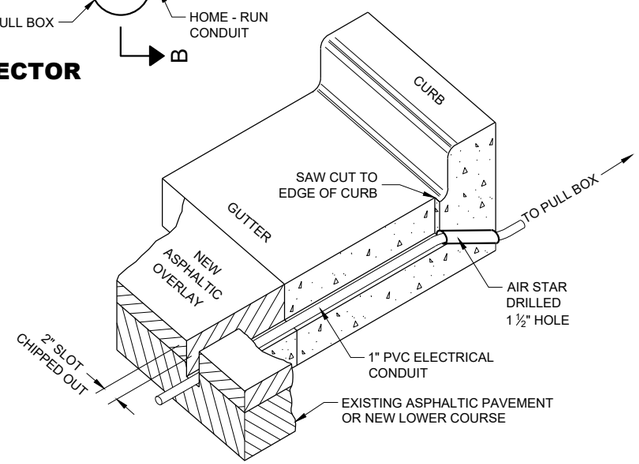
IF PAVEMENT IS LESS THAN 4 INCHES THICK, CONDUIT SHALL BE PLACED IN BASE COURSE.

LOOP DETECTOR SLOT DETAIL



TOP VIEW

CORNER SAW SLOT DETAIL



ISOMETRIC VIEW

TYPICAL SAW CUT DETAIL FOR LEAD-IN CONDUIT

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

BEFORE PLACING THE 1 INCH CONDUIT IN THE CLEANED OUT SLOT, PLACE SOME OF THE TAR OR EPOXY SEALANT IN THE SLOT TO A DEPTH OF APPROXIMATELY ½ INCH. IF THE CONDUIT MUST BE PLACED IN THE BASE COURSE, DO NOT PLACE THE TAR OR EPOXY SEALANT IN THE SLOT.

ONCE THE 2" LOOP SLOT HAS BEEN CHIPPED OUT, THE LOOP INSTALLATION SHALL BE COMPLETED PRIOR TO OPENING THE LANE(S) TO TRAFFIC.

** AFTER THE HIGH PERFORMANCE COLD PATCH HAS BEEN TAMPED, SEAL THE SLOT/HIGH PERFORMANCE COLD PATCH/PAVEMENT OPENING WITH HOT POURED ELASTIC TYPE MATERIAL CONFORMING TO THE REQUIREMENTS OF THE "SPECIFICATION FOR JOINT SEALANTS, HOT POURED, FOR CONCRETE AND ASPHALT PAVEMENTS, ASTM DESIGNATION: D3405".

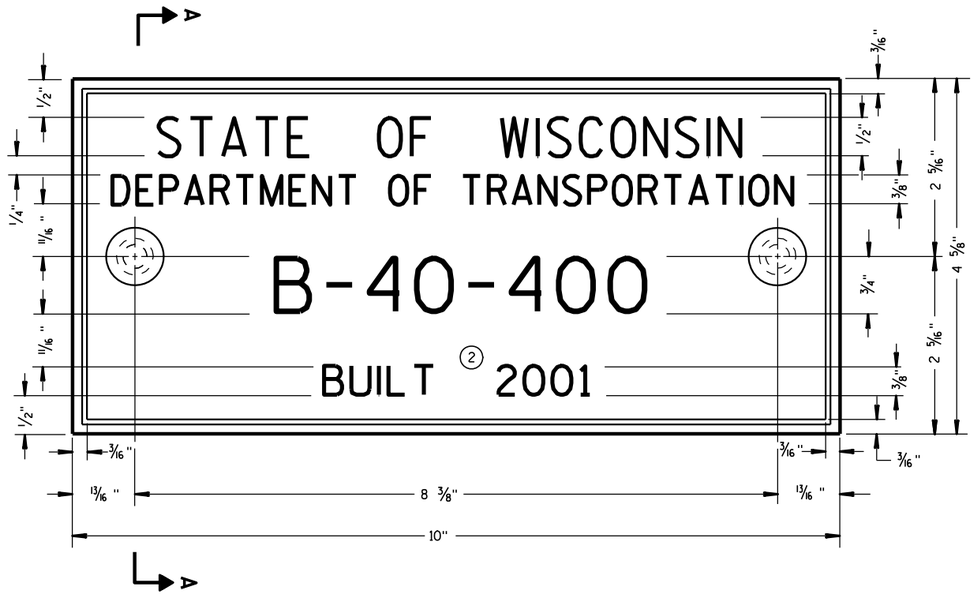
IN THE EVENT HIGH PERFORMANCE COLD PATCH IS NOT AVAILABLE, AND FLEXIBLE TYPE EPOXY IS USED AS A LOOP SLOT FILLER, THE 2 INCH SLOT SHALL BE TOTALLY CLEAN AND DRY BEFORE ITS INSTALLATION. EPOXY USE SHALL BE APPROVED BY THE DISTRICT TRAFFIC ENGINEER AND THE FURNISHED EPOXY SHALL BE INSTALLED AFTER WRITTEN APPROVAL BY THE PROJECT ENGINEER.

LOOP DETECTOR INSTALLED IN EXISTING OR NEW ASPHALTIC PAVEMENT WITH NEW ASPHALTIC OVERLAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 298
FHWA

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SDD 09F10 - 04



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

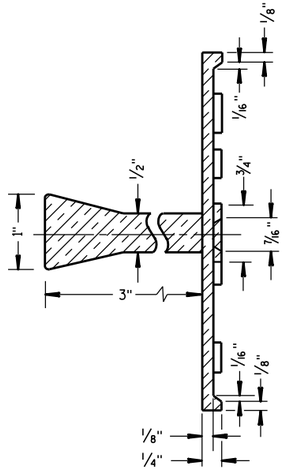
GENERAL NOTES

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.

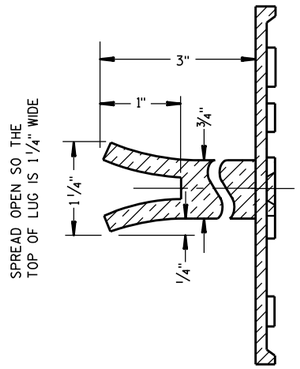
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

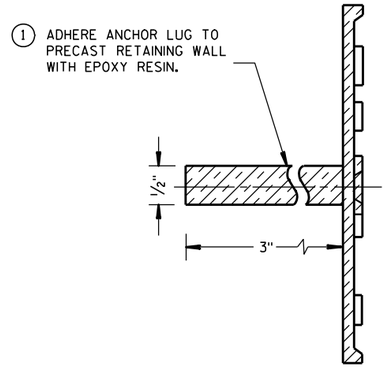
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



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 299 ENGINEER

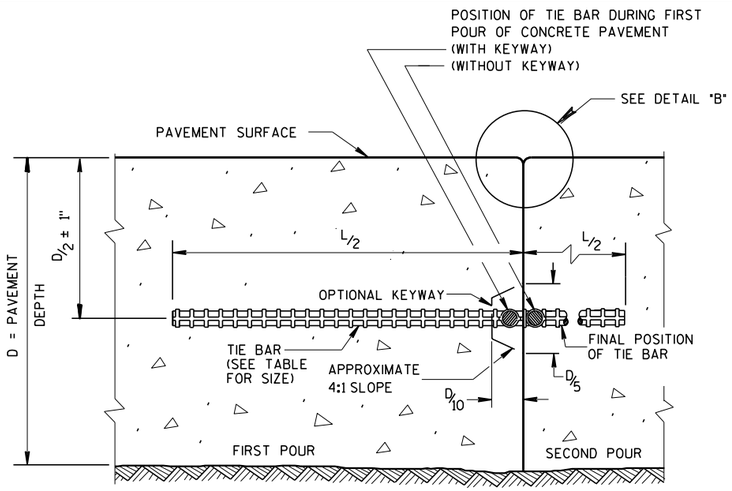
FHWA

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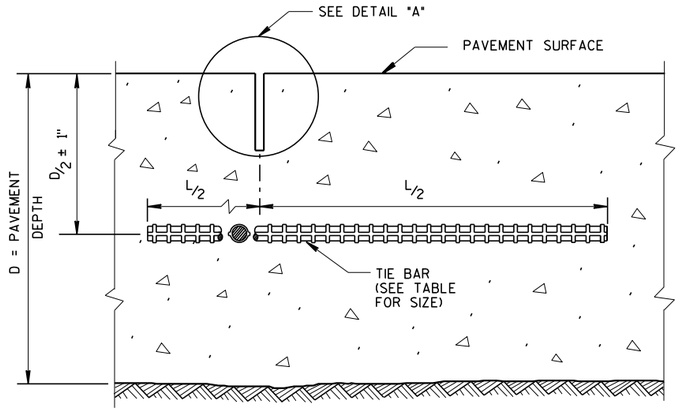
S.D.D. 12 A 3-10

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S.D.D. 12 A 3-10



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

PLAN VIEW

SECTION A-A
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

DETAIL "A"

DETAIL "B"

DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

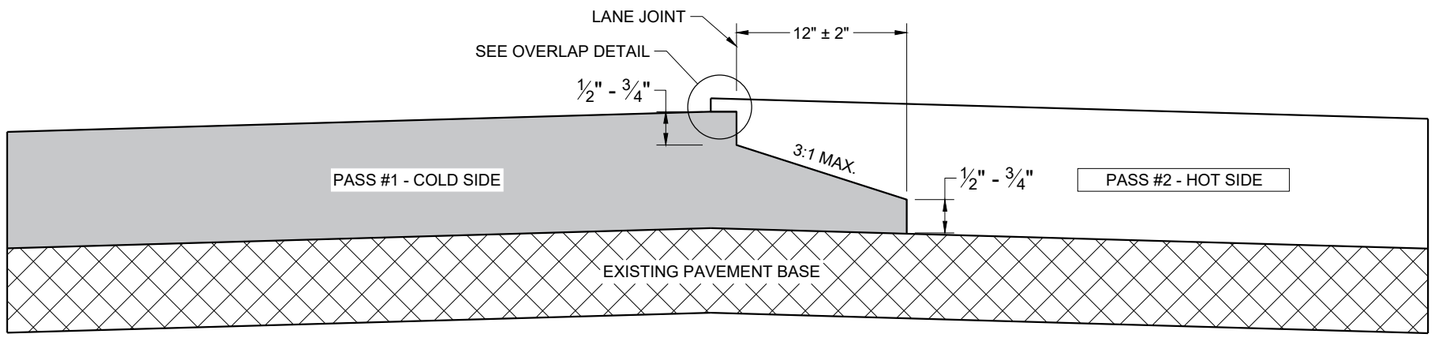
APPROVED
March 2018 — DATE
/S/ Peter Kemp — PAVEMENT SUPE
FHWA

6

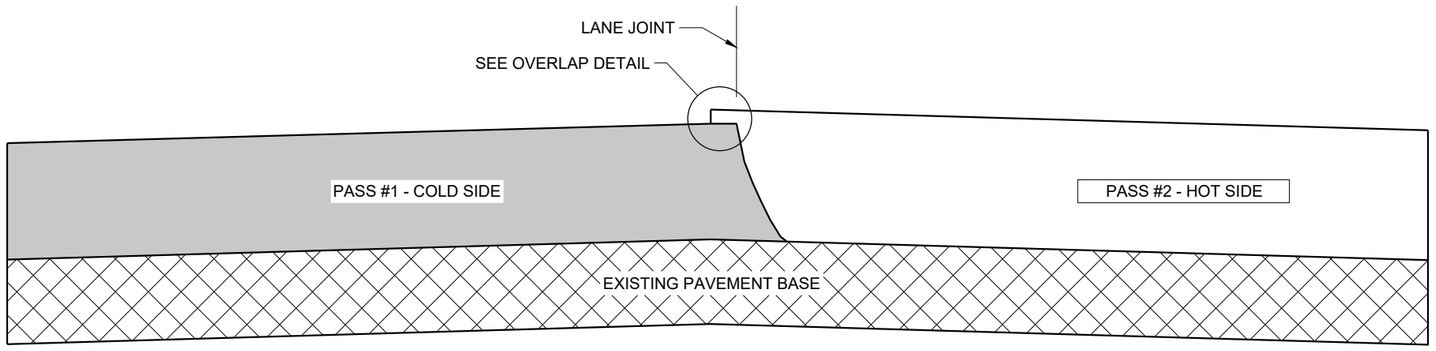
S.D.D. 13 C 1-19

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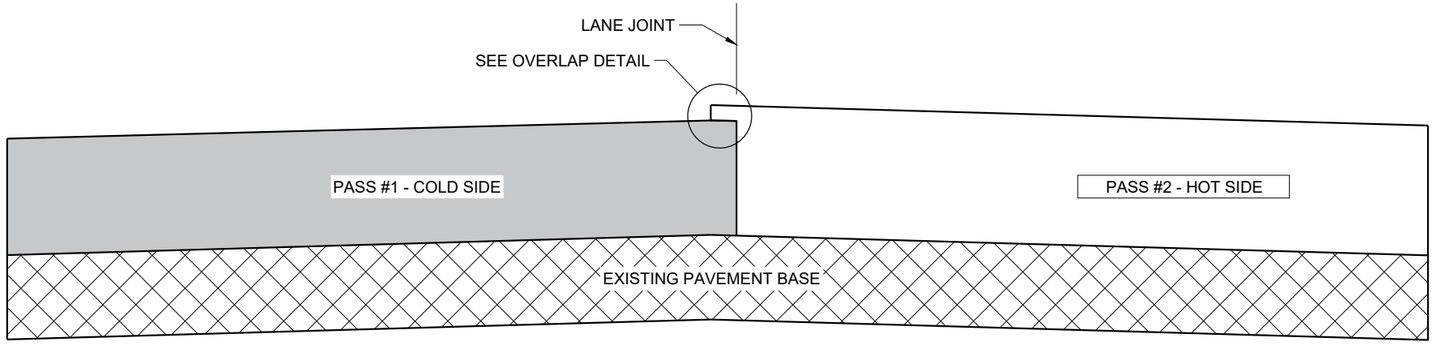
S.D.D. 13 C 1-19



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

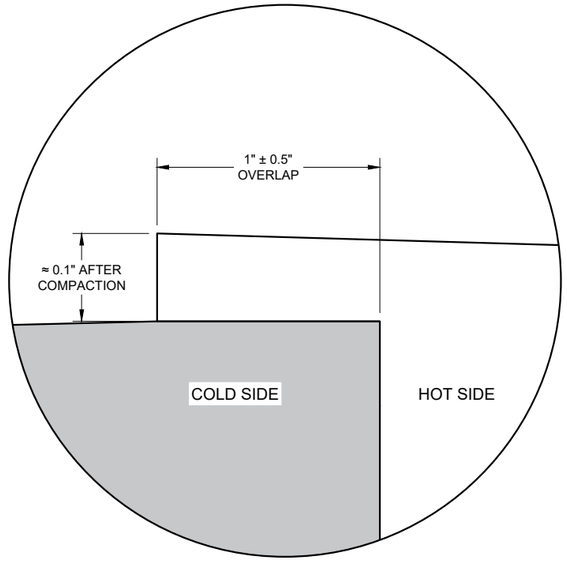
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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

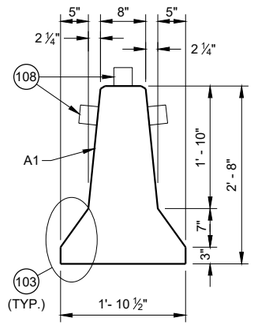
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

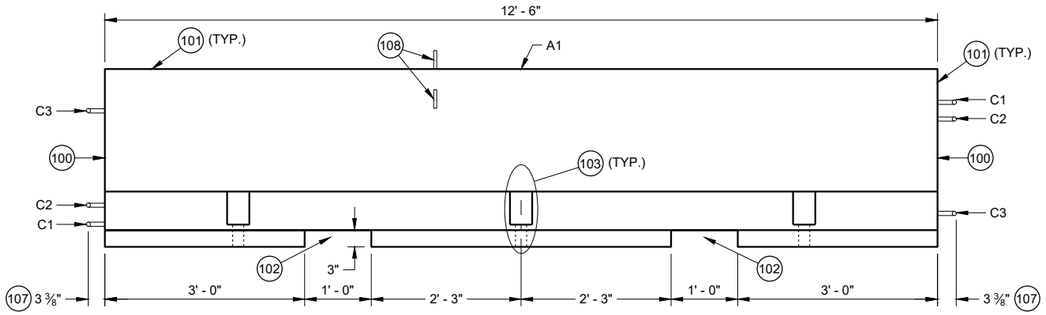
APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



CROSS SECTION



PROFILE VIEW

GENERAL NOTES

PLACE BARRIER ON PAVED SURFACE. BEFORE PLACEMENT OF TEMPORARY BARRIER, REMOVE ALL LOOSE MATERIAL FROM PAVED SURFACE.

LOOP BARS C1, C2 AND C3 ARE NOT FOR PLACEMENT OR MOVEMENT OF BARRIER.

(100) PERMANENTLY FORM INTO ONE END OF BARRIER THE FOLLOWING INFORMATION:
- A. TYPE OF BARRIER: WI-CBTP
- B. MANUFACTURER
- C. DATE OF MANUFACTURE (MONTH AND YEAR)

(101) 1" OPTIONAL CHAMFER

(102) SEE LIFTING SLOT DETAIL

(103) SEE ANCHOR BLOCK DETAIL

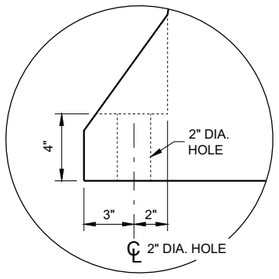
(104) 1 ¾" MIN. CLEAR COVER

(105) 2" MIN. CLEAR COVER

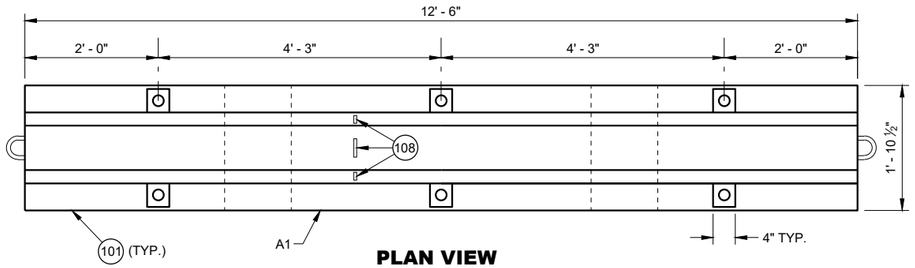
(106) 1" MIN. CLEAR COVER

(107) ± ⅛" MEASURED FROM FACE OF CONCRETE BARRIER TO OUTSIDE OF LOOP BAR (TYP.)

(108) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURERS INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED LEFT OF TRAFFIC AND WHITE WHEN BARRIER IS LOCATED RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART, PROVIDE TO MOUNTED DELINEATORS IN ADDITION TO SIDE MOUNTED DELINEATORS ON BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAT 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

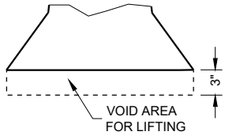


ANCHOR BLOCK DETAIL

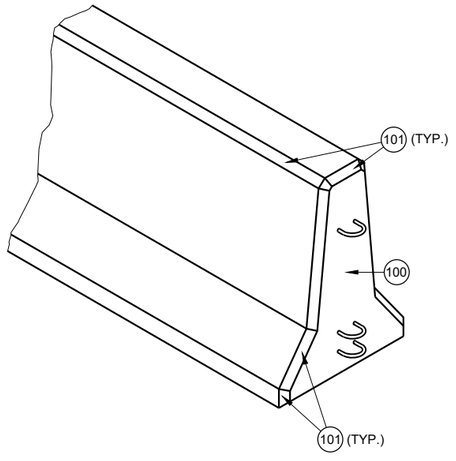


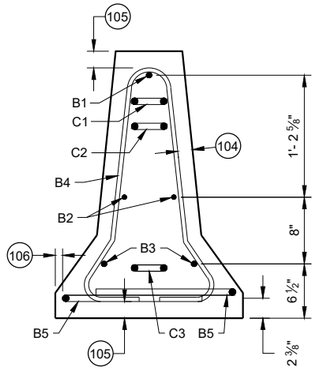
PLAN VIEW

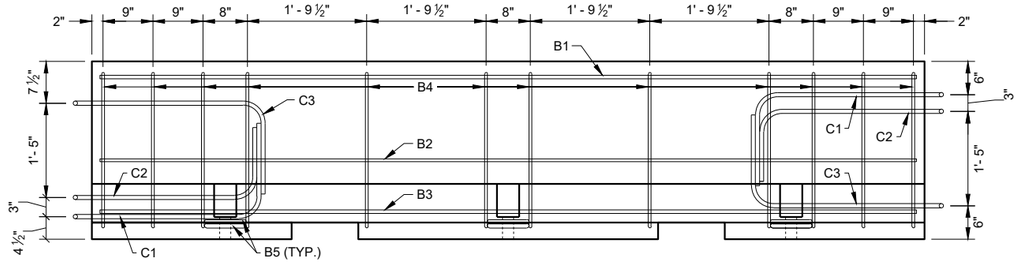
TEMPORARY BARRIER



LIFTING SLOT DETAIL (TYP.)







PROFILE VIEW

TEMPORARY BARRIER REINFORCEMENT

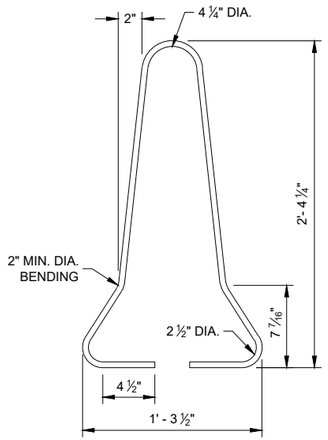
CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTA 302

6

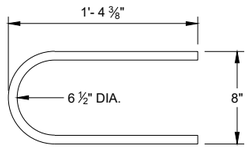
SDD 14B07-16a

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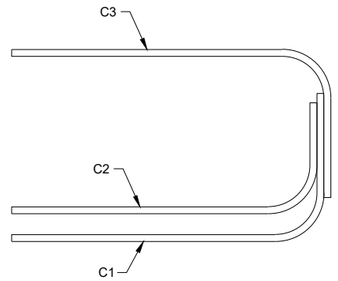
SDD 14B07-16a



B4 BAR DETAIL

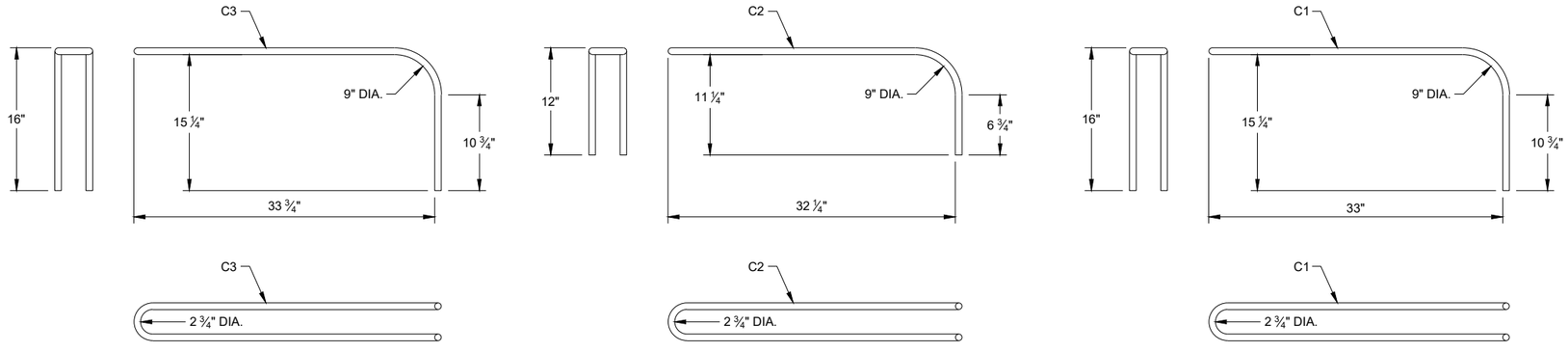


B5 BAR DETAIL



PROFILE VIEW

LOOP BAR ASSEMBLY



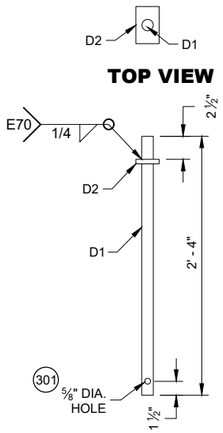
C BAR DETAILS

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

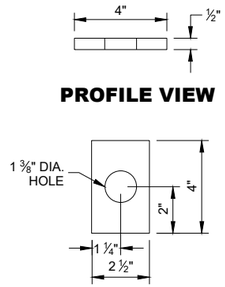
SDD 14B07-16b



TOP VIEW

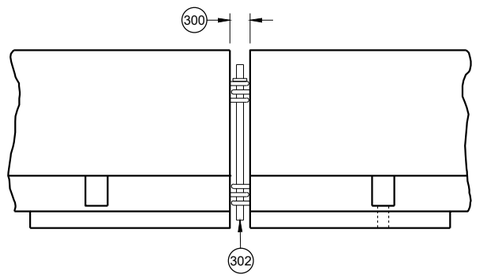
PROFILE VIEW

CONNECTOR PIN ASSEMBLY



PROFILE VIEW

TOP VIEW D2



CONNECTING TEMPORARY BARRIER SECTIONS

GENERAL NOTES

300 SET WITH 3 ⅝" WOOD BLOCK.

301 HOLE IS OPTIONAL.

302 CONNECTOR PIN ASSEMBLY.

303 CONCRETE PAVEMENT, APPROACH SLAB, OR DECK.

304 CONCRETE DECK.

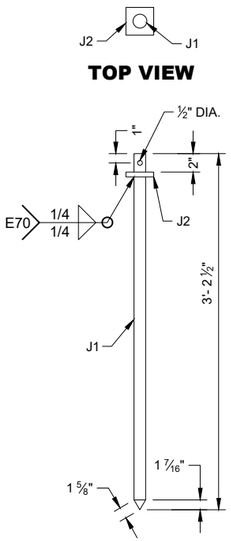
305 DO NOT USE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY OR CONCRETE PAVEMENT WITH ASPHALT OVERLAY.

306 MINIMUM OF 2" OF ASPHALT.

307 ASPHALT ANCHOR PIN ASSEMBLY

308 IF DRILLING A PILOT HOLE, THE MAX, DIA. OF THE HOLE IS 3/4"

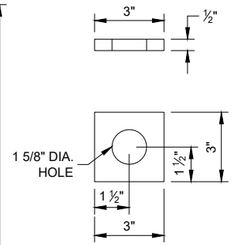
309 WHEN THERE IS ASPHALT OVERLAYING CONCRETE PAVEMENT, A 1 5/8" DIA. PILOT HOLE CAN BE DRILLED INTO THE OVERLAY AND CONCRETE. IF NEEDED DRILL A 3/4" PILOT HOLE IN BASE COURSE.



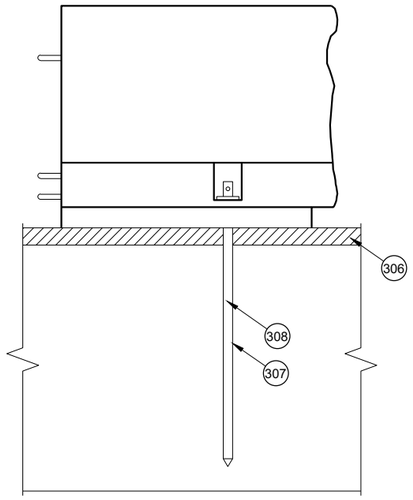
TOP VIEW

PROFILE VIEW

ASPHALT ANCHOR PIN ASSEMBLY

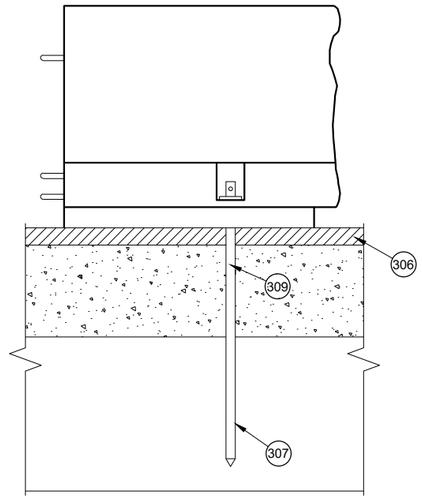


TOP VIEW J2



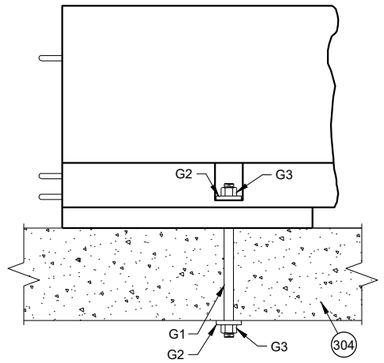
SIDE VIEW

ASPHALT ANCHOR INSTALLATION THROUGH ASPHALT PAVEMENT



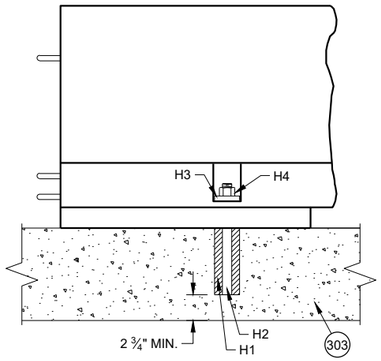
SIDE VIEW

ASPHALT ANCHOR INSTALLATION THROUGH ASPHALT OVERLAY ON TOP OF CONCRETE PAVEMENT



SIDE VIEW

THROUGH BOLT ANCHOR INSTALLATION (305)



SIDE VIEW

ADHESIVE ANCHOR INSTALLATION (305)

6

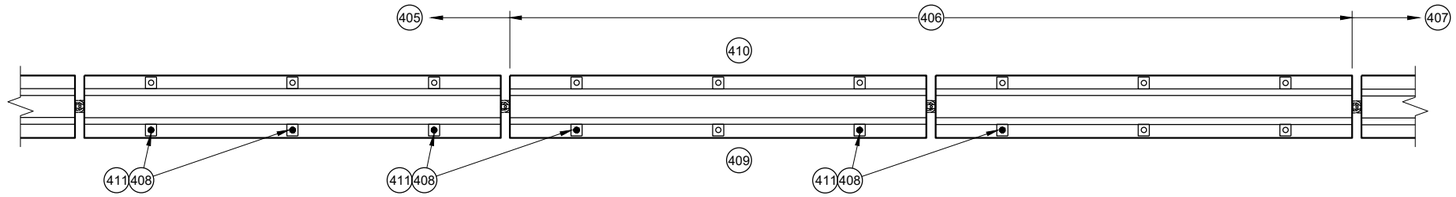
SDD 14B07-16c

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

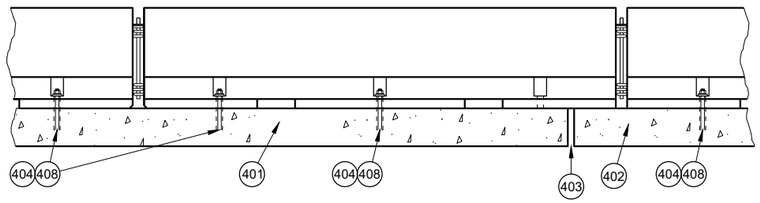
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SDD 14B07-16c



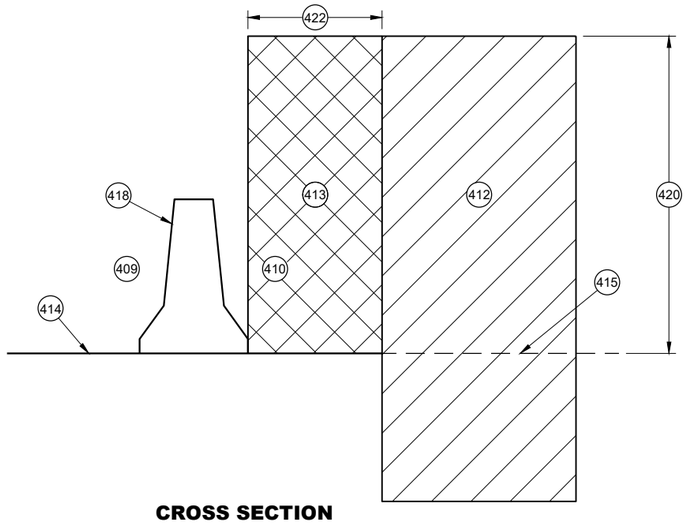
PLAN VIEW

TRANSITION FROM FREE STANDING TO ANCHORED BARRIER



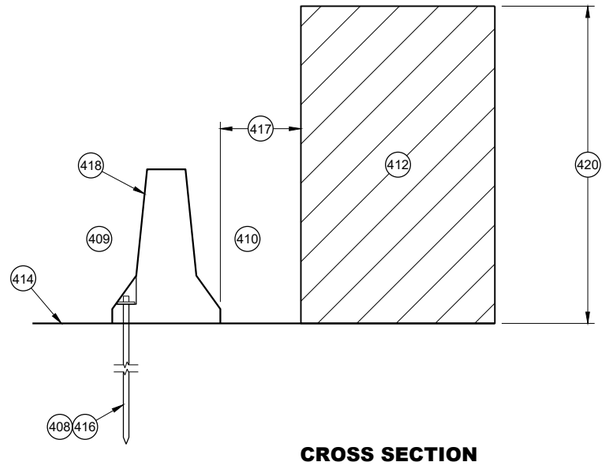
PROFILE VIEW

ANCHORED BARRIER NEAR EXPANSION JOINT (400)



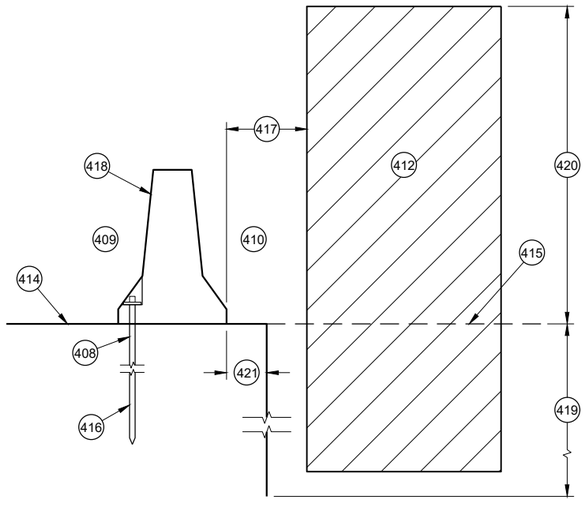
CROSS SECTION

FREE STANDING BARRIER



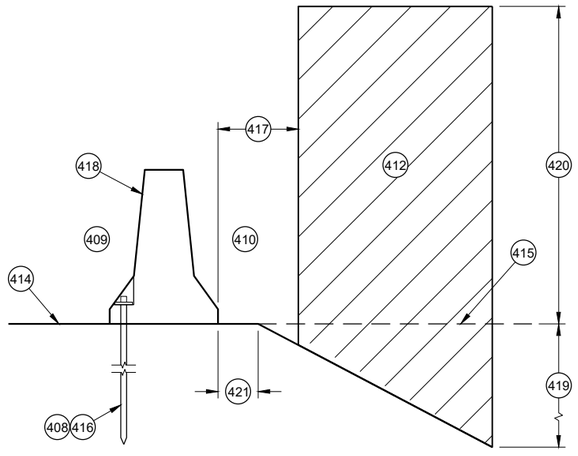
CROSS SECTION

ANCHORED BARRIER FOR OBJECTS ABOVE THE GRADE LINE AND NEAR THE BARRIER



CROSS SECTION

ANCHORED BARRIER NEAR VERTICAL DROP OFF



CROSS SECTION

ANCHORED BARRIER NEAR A SLOPE

GENERAL NOTES

(400) NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.

(401) CONCRETE DECK

(402) CONCRETE DECK OR APPROACH SLAB.

(403) EXPANSION JOINT

(404) ADHESIVE ANCHOR SHOWN. SEE ANCHOR DETAILS.

(405) ANCHORED TEMPORARY BARRIER

(406) TRANSITION FROM ANCHORED TEMPORARY BARRIER TO FREE STANDING

(407) FREE STANDING BARRIER

(408) REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERCIAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(409) TRAFFIC SIDE

(410) NON-TRAFFIC SIDE

(411) ANCHOR LOCATION. SEE ANCHORING DETAILS.

(412) WORK AREA

(413) AREA FREE OF OBJECTS AND WORKERS

(414) GRADE LINE

(415) EXTENDED GRADE LINE

(416) ANCHORED TEMPORARY BARRIER. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR AN ASPHALT ANCHOR ROD DETAILS FOR MORE INFORMATION. ASPHALT ANCHOR ROD SHOWN.

(417) WHEN OBJECTS EXTEND ABOVE THE GRADE. A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT.

(418) OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR ALLOWED TO LEAN AGAINST THE BARRIER WITHOUT WRITTEN PERMISSION OF THE PROJECT ENGINEER.

(419) DEPTHS OF 3 FEET OR MORE.

(420) Y = 6.5'

(421) OFFSET FROM BACK OF BARRIER EDGE:

CONCRETE PAVEMENT	0.5'
ASPHALT	0.5'

(422) POSTED SPEED (MPH):

45 OR GREATER	4.0'
40 OR LOWER	2.0'

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B07-16d

GENERAL NOTES

(500) EXISTING RIGID BARRIERS (VARIES)

(501) TEMPORARY BARRIER

(502) SEE OTHER DETAIL ON HOW TO ANCHOR TEMPORARY BARRIER (BARRIER ASPHALT ANCHOR SHOWN).

(503) ANCHORS ARE REQUIRED ON BOTH SIDE OF THE TEMPORARY BARRIER.

(504) NESTED RAILS ARE REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS.

(505) TRAFFIC TRAVELS FROM PERMANENT BARRIER TO TEMPORARY BARRIER.

(506) TRAFFIC TRAVELS FROM TEMPORARY BARRIER TO PERMANENT BARRIER.

(507) VERTICAL BARRIER

(508) SAFETY SHAPE BARRIER

(509) SINGLE SLOPE BARRIER

(510) CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF RIGID BARRIER.

(511) BENT THRIE BEAM TO FIT.

(512) THRIE BEAM PIECES ARE OFFSET 15 ¼" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.

(513) TWO (2) P1, P2 AND P3 ARE REQUIRED

(514) FIVE (5) N1, N2 AND N3 ARE REQUIRED

(515) TWO (2) R1, R2 AND R3 ARE REQUIRED

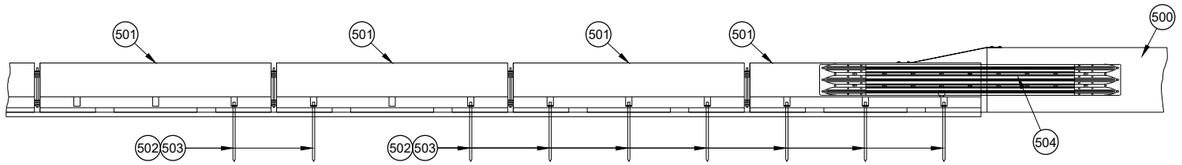
(516) CUT WOOD BLOCK TO FIT.

(517) SEE THRIE BEAM RAIL TERMINAL CONNECTOR DETAIL ASSEMBLY.

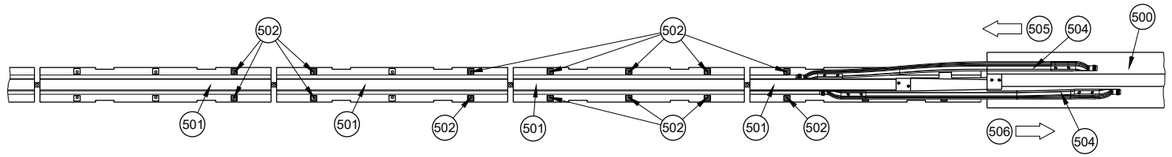
(518) CAP ASSEMBLY

(519) 4" MAX. GAP BETWEEN TEMPORARY BARRIER AND RIGID BARRIER.

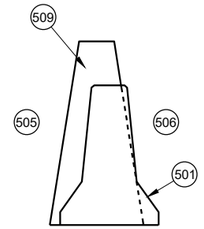
(520) ALL TWELVE SPLICE HOLES REQUIRE M1 AND M2



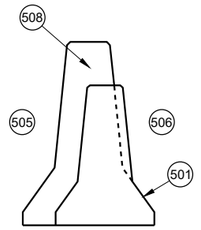
PROFILE VIEW



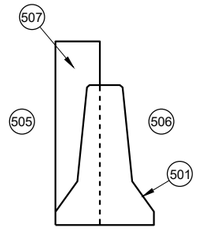
PLAN VIEW
TRANSITION TO RIGID BARRIER



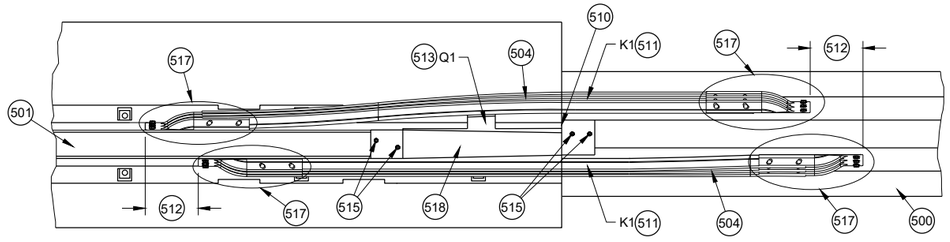
CROSS SECTION TEMPORARY BARRIER PLACEMENT SINGLE SLOPE



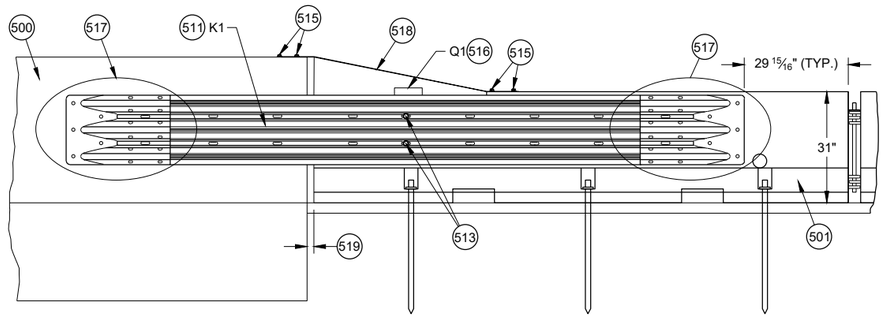
CROSS SECTION TEMPORARY BARRIER PLACEMENT SAFETY SHAPE



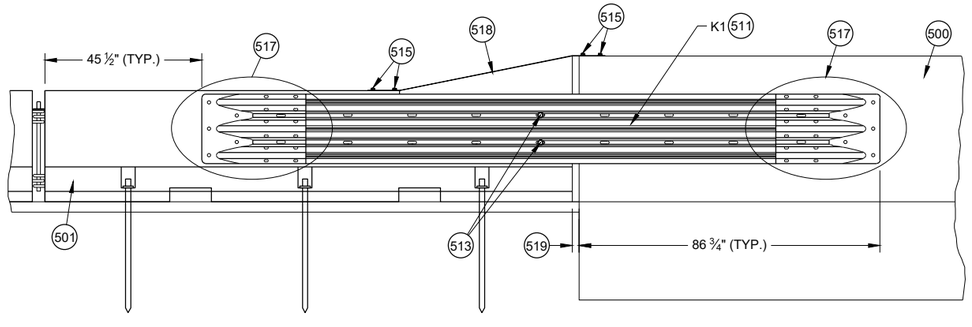
CROSS SECTION TEMPORARY BARRIER PLACEMENT VERTICAL



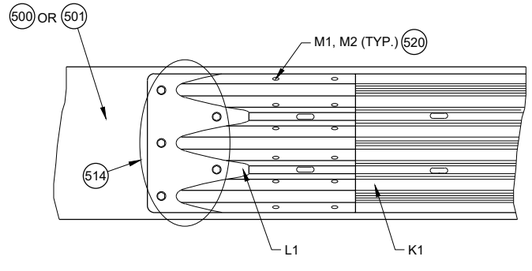
PLAN DETAIL VIEW
TRANSITION TO RIGID BARRIER



BACK DETAIL VIEW
TRANSITION TO RIGID BARRIER



FRONT DETAIL VIEW
TRANSITION TO RIGID BARRIER



517 DETAIL PLAN VIEW
THRIE BEAM RAIL TERMINAL CONNECTOR ASSEMBLY

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

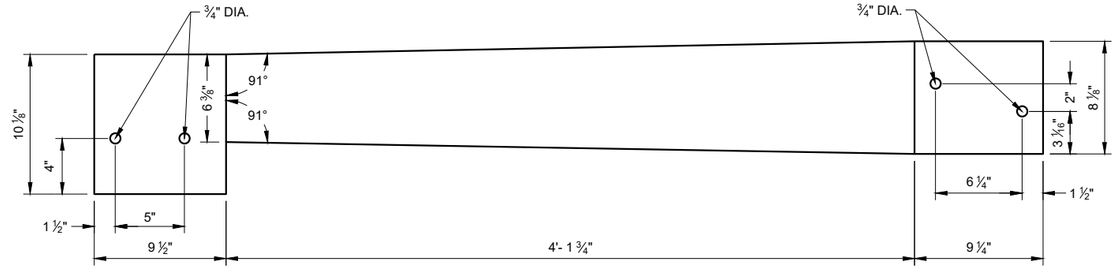
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

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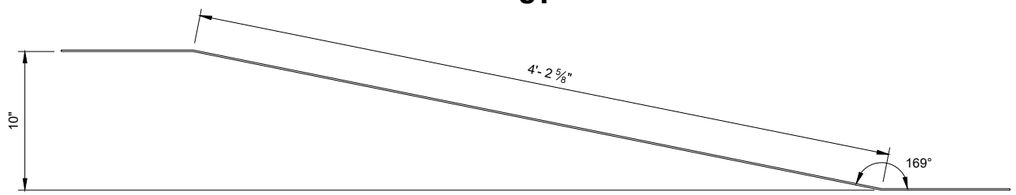
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SDD 14B07-16e



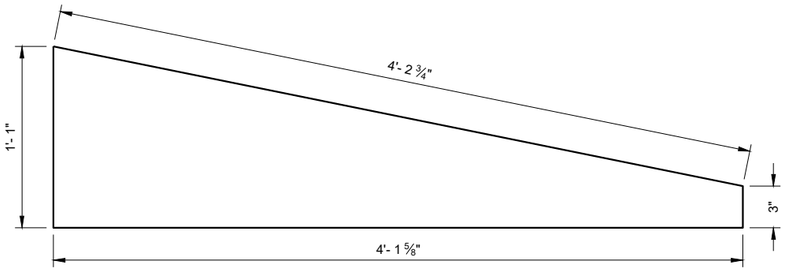
TOP VIEW

S1



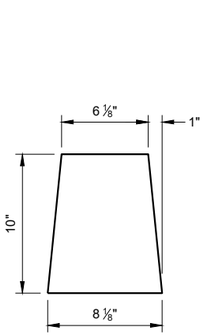
ELEVATION VIEW

S1

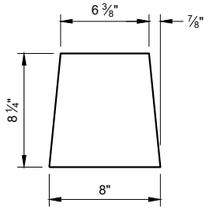


SIDE VIEW

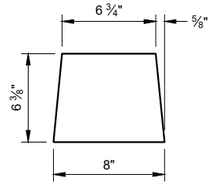
S3



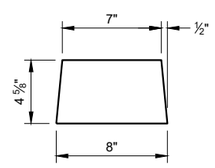
S2



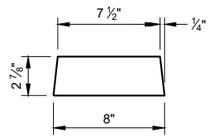
S4



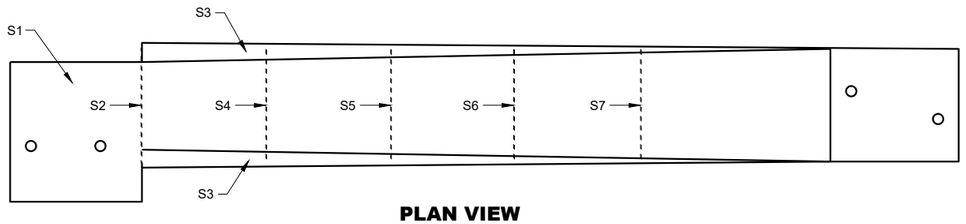
S5



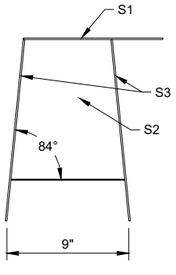
S6



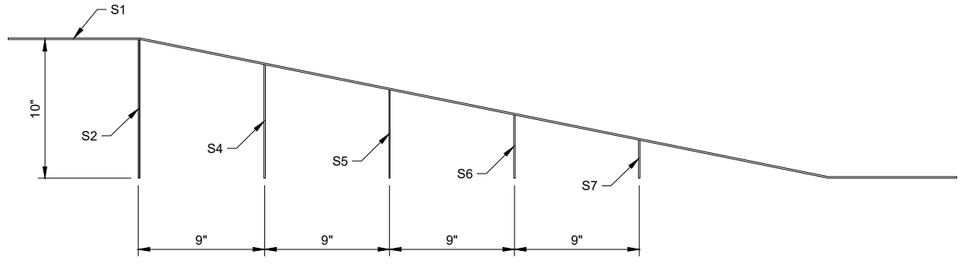
S7



PLAN VIEW



BACK VIEW



SIDE VIEW (600)

42" TOP CAP ASSEMBLY

GENERAL NOTES

STITCH WELD GUSSET PLATES AND END PLATES ON THREE SIDES

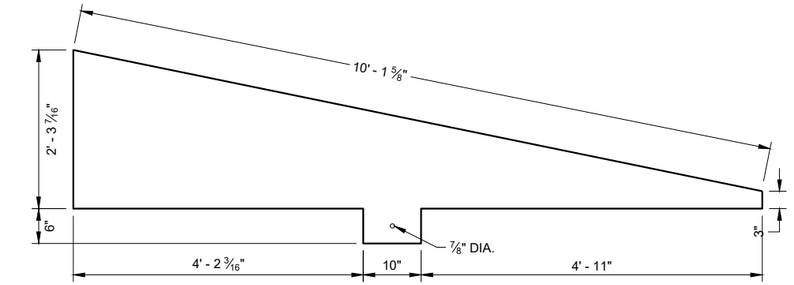
STITCH WELD TWO SIDE PLATES TO TOP PLATE, END PLATE AND GUSSETS.

(600) SIDE PLATES (S3) NOT SHOWN FOR CLARITY.

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

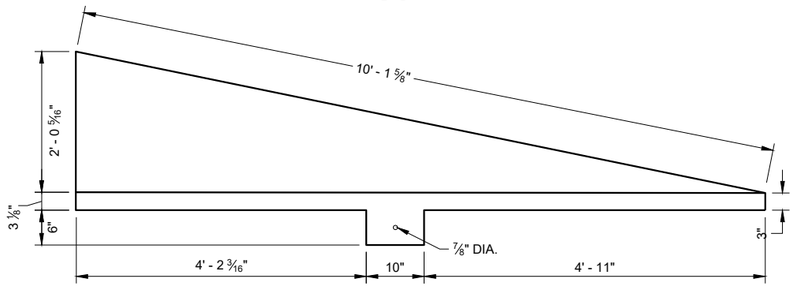
6
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SIDE VIEW
T4



END VIEW



SIDE VIEW
T3

END VIEW

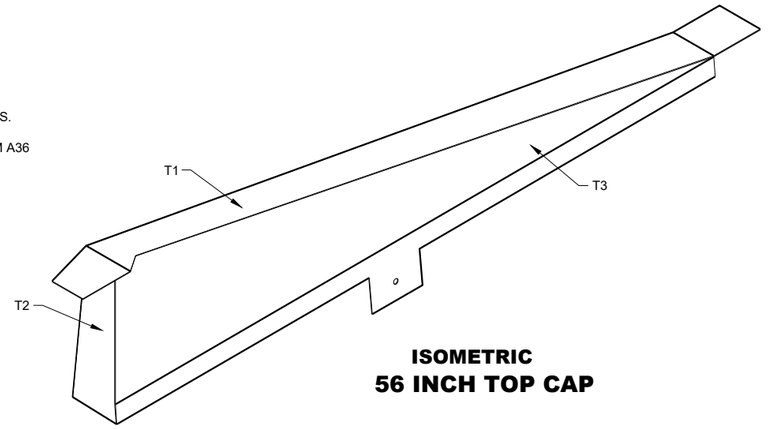
GENERAL NOTES

STITCH WELD GUSSET PLATES AND END PLATES ON THRIE SIDES

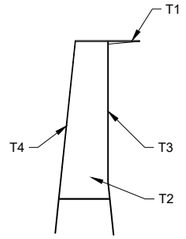
STITCH WELD TWO SIDE PLATES TO TOP PLATE, END PLATE AND GUSSETS.

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.

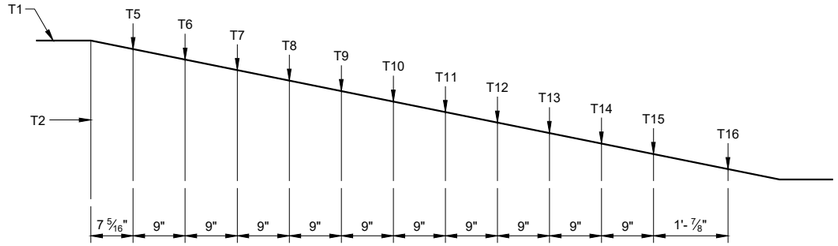
(700) SIDE PLATES (T3 AND T4) NOT SHOWN FOR CLARITY.



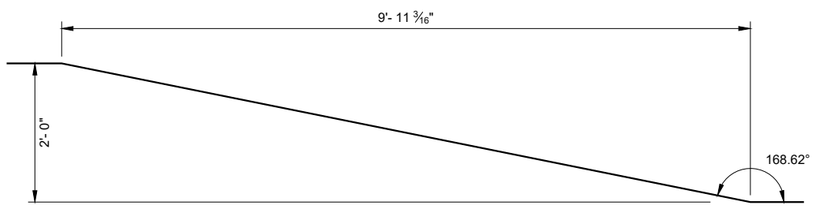
ISOMETRIC
56 INCH TOP CAP



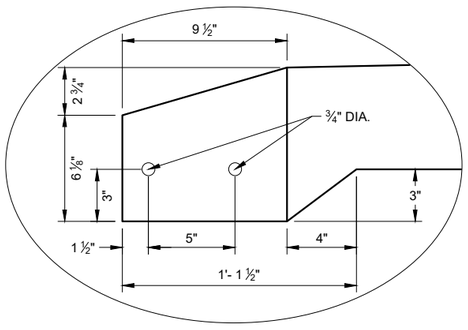
END VIEW
56 INCH TOP CAP



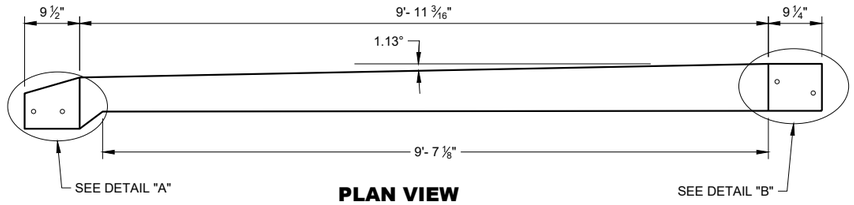
SIDE VIEW (700)
56 INCH TOP CAP



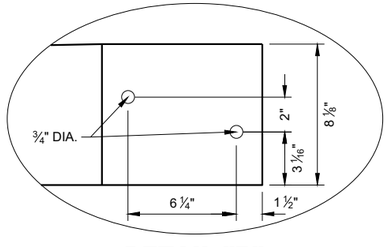
SIDE VIEW
TOP PLATE T1



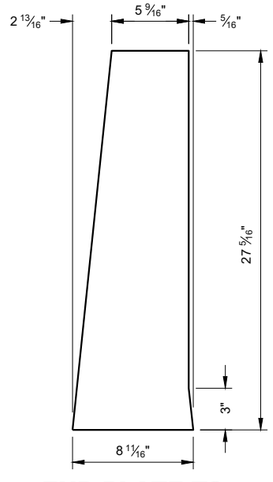
DETAIL "A"



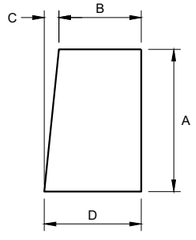
PLAN VIEW
TOP PLATE T1



DETAIL "B"



END PLATE T2



GUSSET PLATES
T5 - T16

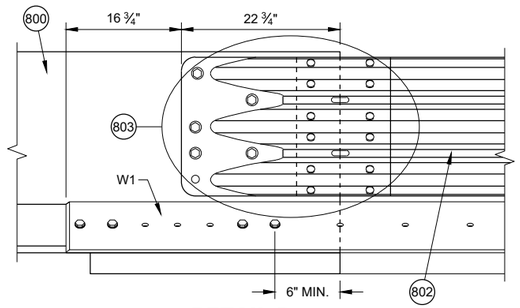
GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
T5	22 13/16"	5 1/16"	2 5/16"	8 1/16"
T6	21"	5 7/8"	2 3/16"	8 1/16"
T7	19 3/16"	6 1/16"	1 15/16"	8 1/16"
T8	17 3/8"	6 1/4"	1 13/16"	8 1/16"
T9	15 5/16"	6 7/16"	1 9/16"	8 1/16"
T10	13 3/4"	6 5/8"	1 7/16"	8 1/16"
T11	11 15/16"	6 13/16"	1 1/4"	8 1/16"
T12	10 1/8"	7"	1 1/16"	8 1/16"
T13	8 5/16"	7 3/16"	7/8"	8 1/16"
T14	6 1/2"	7 3/8"	1 1/16"	8 1/16"
T15	4 1/16"	7 9/16"	1/2"	8"
T16	2 7/8"	7 3/4"	1/4"	8"

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

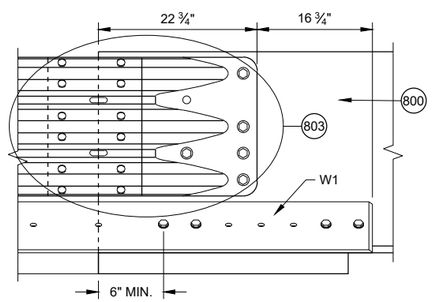
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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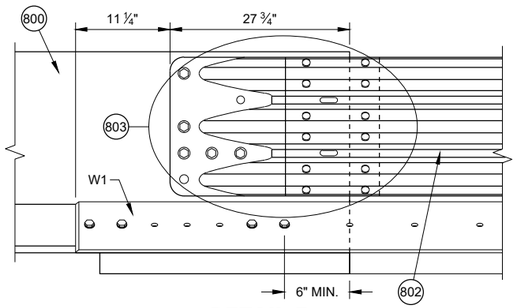
SDD 14B07-16g



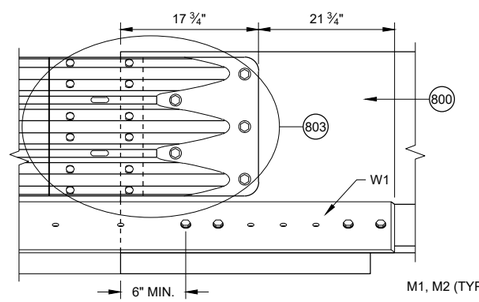
DETAIL D



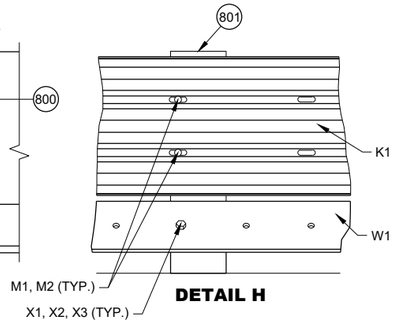
DETAIL E



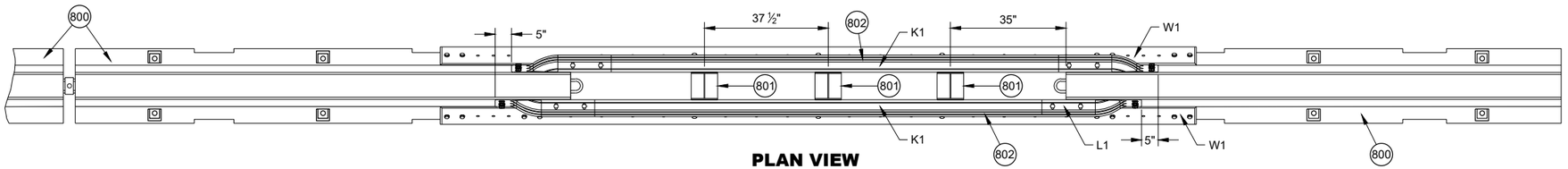
DETAIL F



DETAIL G



DETAIL H



PLAN VIEW

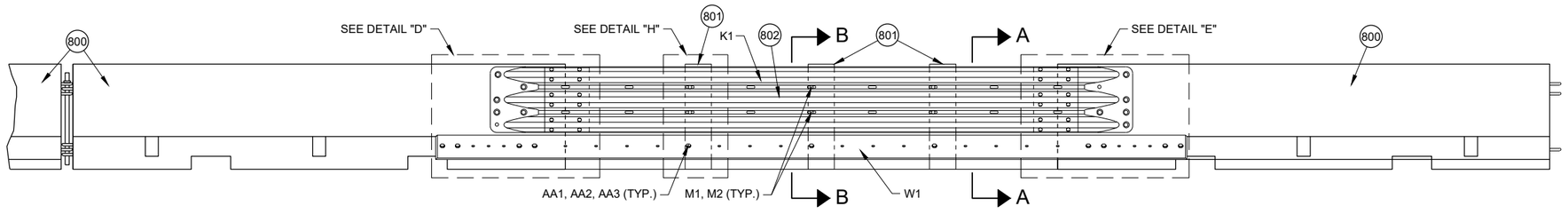
GENERAL NOTES

(800) FREE STANDING TEMPORARY BARRIER

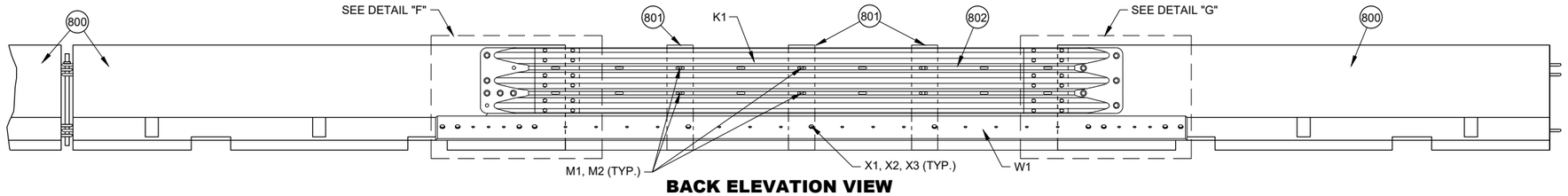
(801) GAP STIFFENER ASSEMBLY

(802) THRIE BEAMS ARE NESTED ON BOTH SIDES OF THE TEMPORARY BARRIER.

(803) SEE THRIE BEAM RAIL TERMINAL CONNECTOR DETAIL



FRONT ELEVATION VIEW



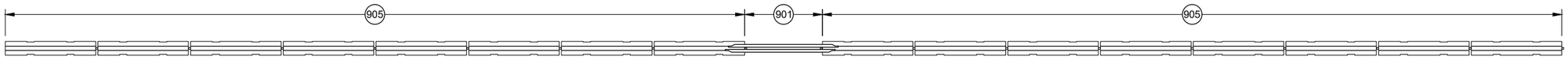
BACK ELEVATION VIEW

PORTABLE CONCRETE BARRIER GAP THRIE BEAM COVER

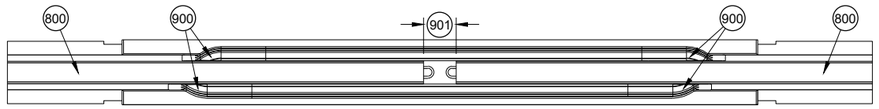
CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B07-16h



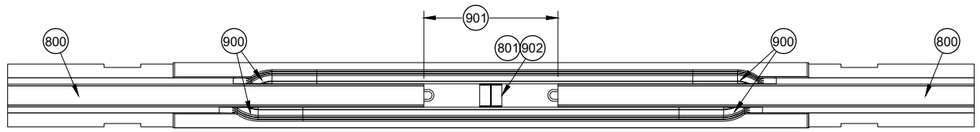
PLAN VIEW
GAP WITHIN SPACING



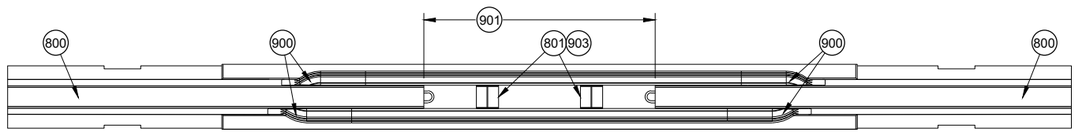
PLAN VIEW
TEMPORARY BARRIER GAP OVER 4" TO 1' MAX. (904)

GENERAL NOTES

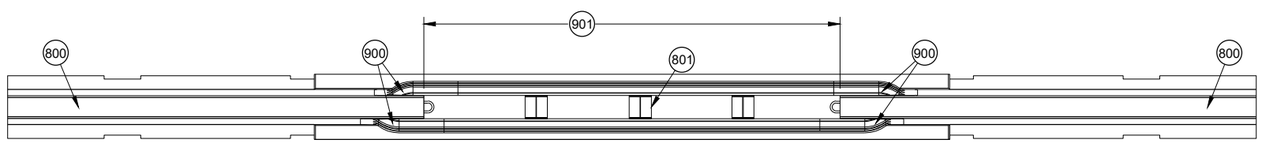
(900) SEE OTHER DETAILS FOR TEMPORARY GAP HARDWARE (TYP.)
(901) TEMPORARY BARRIER GAP
(902) GAP STIFFENER ASSEMBLY CENTERED IN THE GAP.
(903) GAP STIFFENER ASSEMBLY IS OFFSET 18 ¾" FROM CENTER
(904) MINIMUM NUMBER OF GAP STIFFENERS SHOWN FOR THE GAP RANGE SHOWN.
(905) MINIMUM OF 8 CONTINUOUS FREE STANDING TEMPORARY BARRIERS



PLAN VIEW
TEMPORARY BARRIER GAP OVER 1' TO 4' MAX. (904)



PLAN VIEW
TEMPORARY BARRIER GAP OVER 4' TO 7' MAX. (904)



PLAN VIEW
TEMPORARY BARRIER GAP OVER 7' TO 12.5' MAX. (904)

6

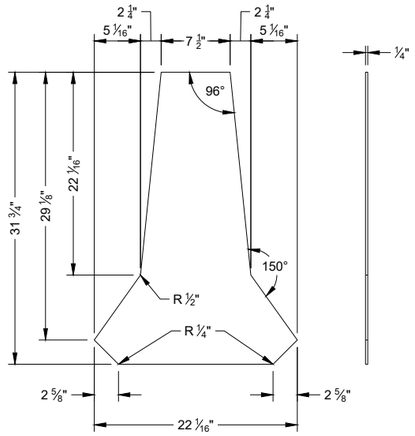
SDD 14B07-16i

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

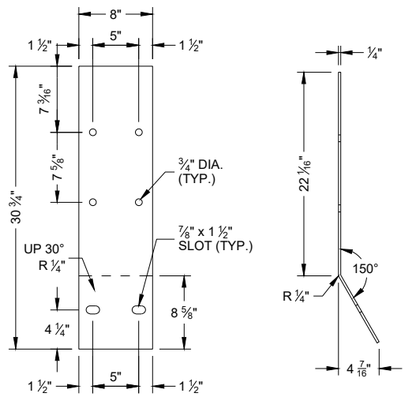
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SDD 14B07-16i



PROFILE VIEW SIDE VIEW

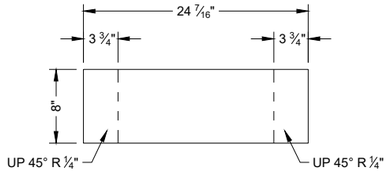
STIFFENER ASSEMBLY CENTER PANEL U1



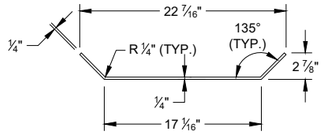
FLAT PATTERN

SIDE VIEW

STIFFENER ASSEMBLY SIDE PANEL U2

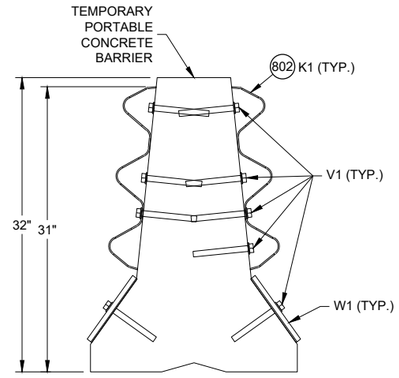


FLAT PATTERN

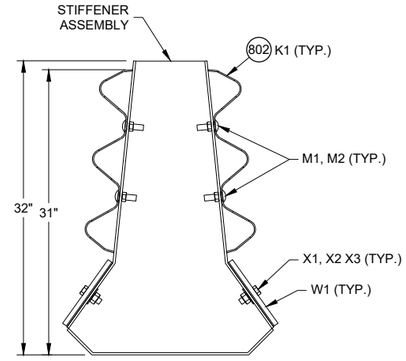


PROFILE VIEW

STIFFENER ASSEMBLY BOTTOM PANEL U3

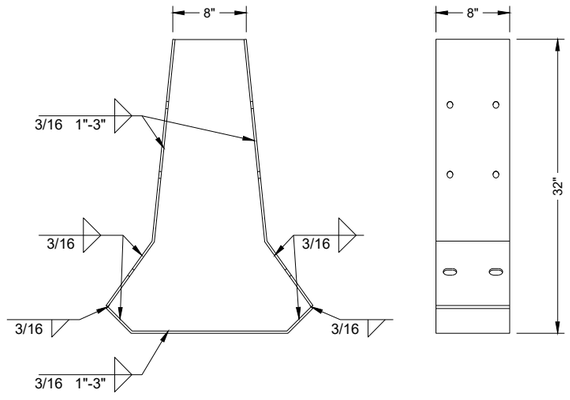


SECTION A - A



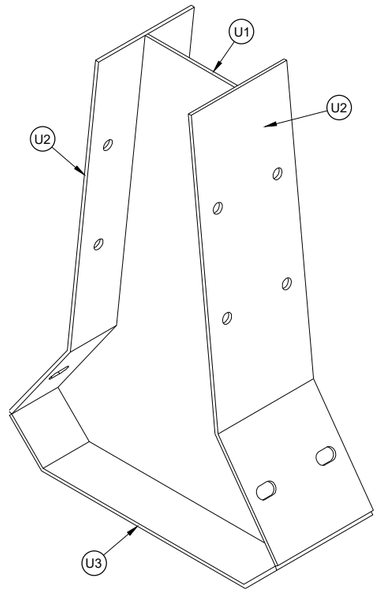
SECTION B - B

PLAN VIEW



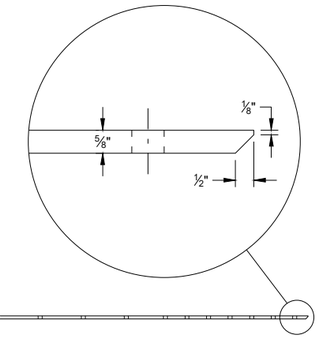
PROFILE VIEW

SIDE VIEW

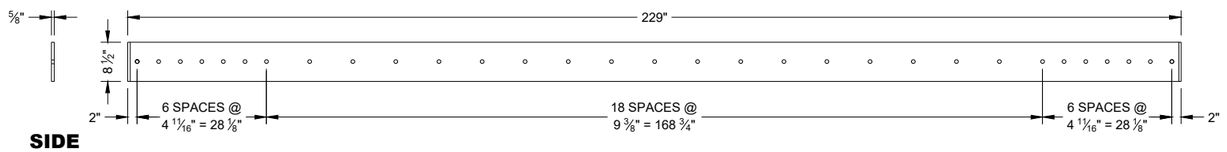


ISOMETRIC

GAP STIFFENER ASSEMBLY



PLAN VIEW



SIDE VIEW

ELEVATION VIEW

W1 TOE PLATE

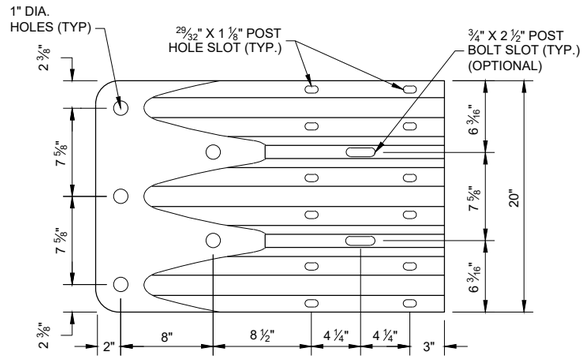
6

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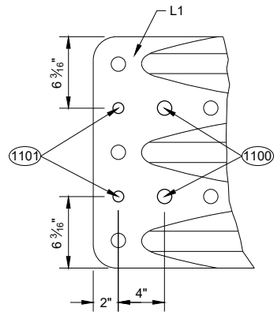
SDD 14B07-16j

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"



ELEVATION VIEW

THRIE BEAM TERMINAL CONNECTOR



ELEVATION VIEW

ADDITIONAL THRIE BEAM (1102) TERMINAL CONNECTOR HOLE DETAIL

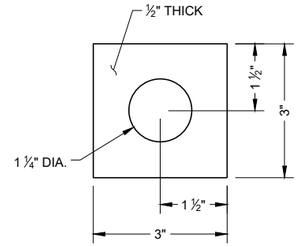


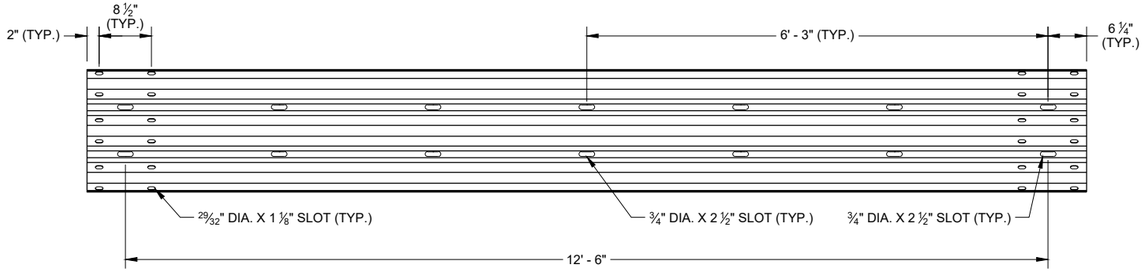
PLATE WASHER DETAIL G2, H3

GENERAL NOTES

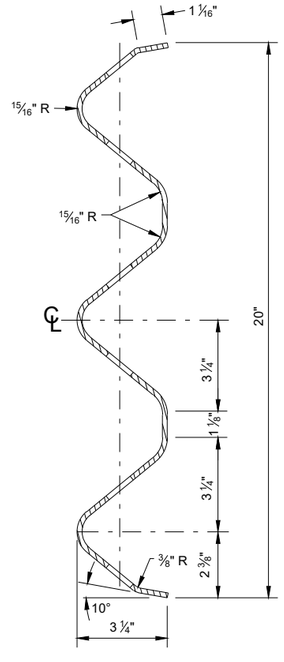
(1100) 1" DIA. HOLE

(1101) 3/4" DIA. HOLE

(1102) PROVIDE HOLES IN THRIE BEAM TERMINAL CONNECTOR TO LIMIT STEEL REINFORCEMENT OR LOOP BAR CONFLICT. CONTRACTOR MAY FIELD DRILL ADDITIONAL HOLE OR PROVIDE THRIE BEAM TERMINAL CONNECTOR WITH ADDITIONAL HOLES FROM SUPPLIER.



SLOTTED THRIE BEAM RAIL K1



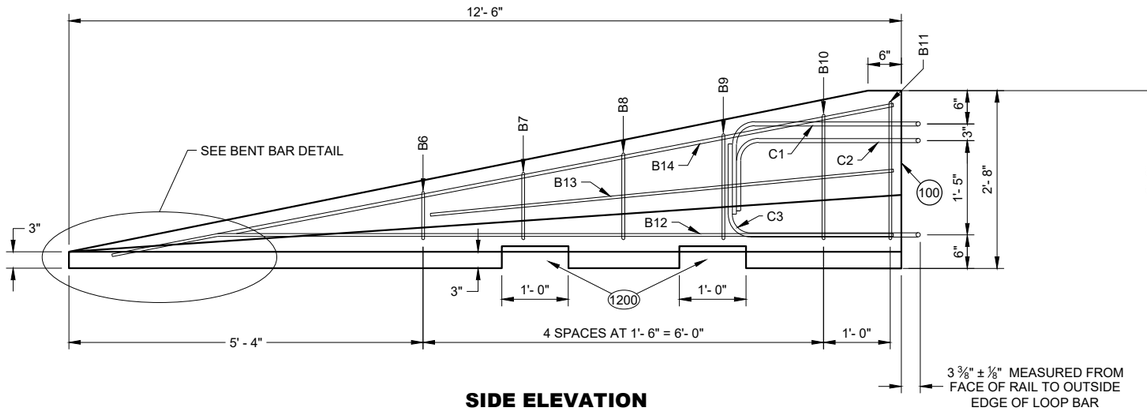
SECTION THROUGH BEAM K1

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

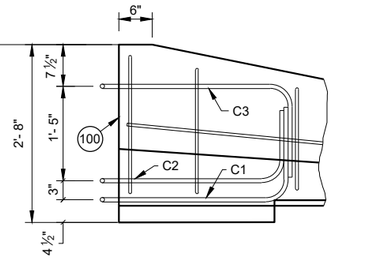
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B07-16k



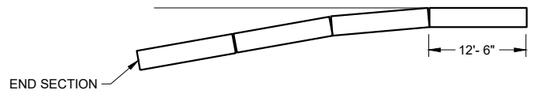
SIDE ELEVATION
(FOR CONNECTION TO LEFT END OF BARRIER)



SIDE ELEVATION
LOOP BAR ASSEMBLY INVERTED FOR OPPOSITE END
(FOR CONNECTION TO RIGHT END OF BARRIER)

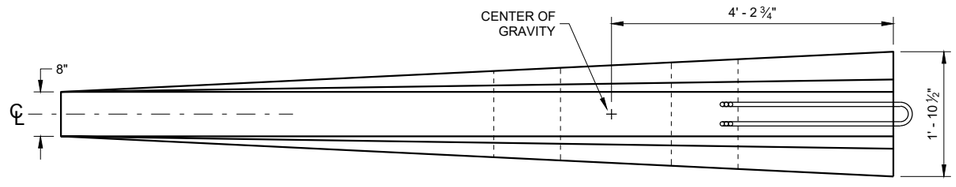
GENERAL NOTES

(1200) SEE LIFTING SLOT DETAIL. LOCATION OF LIFTING SLOTS DETERMINED BY CONTRACTOR.

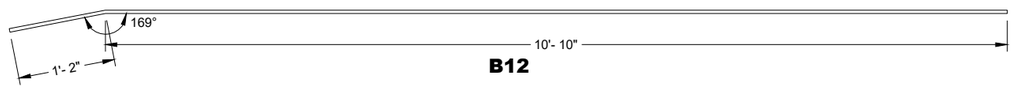


FLARE AT BARRIER END

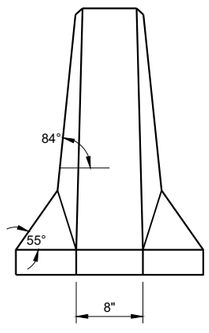
POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1



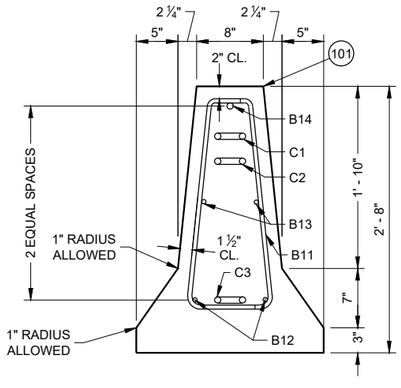
PLAN VIEW



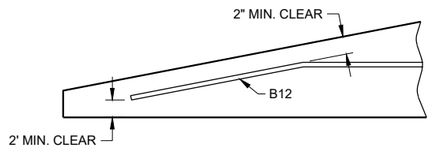
B12



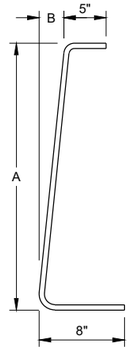
FRONT ELEVATION



END SECTION



BENT BAR DETAIL



BAR	A	B
B6	10"	1"
B7	1'- 1"	1 ¼"
B8	1'- 5"	1 ⅝"
B9	1'- 8"	1 ⅞"
B10	2'- 0 ½"	2 ⅜"
B11	2'- 3"	2 ¾"

B BARS
2 OF EACH SIZE REQUIRED FOR STIRRUP ASSEMBLY

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B07-16I

BILL OF MATERIALS - CONCRETE BARRIER PRECAST

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	PRECAST TEMPORARY BARRIER - CONCRETE	MIN. = f'c 5000 PSI	
B1	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 12'-2"
B2	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 12'-2"
B3	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 12'-2"
B4	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 6'-0"
B5	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#6 REBAR, LENGTH 2'-11"
B6	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 1'-11"
B7	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-2"
B8	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-6"
B9	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-9"
B10	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 3'-2"
B11	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 3'-4"
B12	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 12'-0"
B13	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 7'-9"
B14	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 11'-9"
C1	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
C2	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
C3	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
D1	CONNECTION PIN - ROD	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	1 ¼" DIA.
D2	CONNECTION PIN - TOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
G1	BOLT THROUGH ANCHOR - THREADED ROD	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 A307 GRADE A OR SAE J429 GRADE 2 UNC	1 ⅛" DIA.
G2	BOLT THROUGH ANCHOR - WASHER, SQUARE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
G3	BOLT THROUGH ANCHOR - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
H1	ADHESIVE ANCHOR - ADHESIVE	ICC-ES-AC308 5 ¼" EMBEDMENT WITH A MIN. BOND STRENGTH OF 1,650 PSI. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
H2	ADHESIVE ANCHOR - THREADED ROD	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 A307 GRADE A / SAE J429 GRADE 2 UNC	1 ⅛" DIA.
H3	ADHESIVE ANCHOR - WASHER, SQUARE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
H4	ADHESIVE ANCHOR - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
J1	ASPHALT ANCHOR PIN - ROD	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	1 ½" DIA.
J2	ASPHALT ANCHOR PIN - STOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
K1	THRIE BEAM RAIL	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER	12 GAUGE
L1	THRIE BEAM RAIL - TERMINAL	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER	12 GAUGE

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
M1	SPLICE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	⅝" DIA.
M2	SPLICE BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 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	
N1	THRIE BEAM RAIL TERMINAL - MECHANICAL ANCHOR	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 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	¾" DIA. LENGTH 6"
N2	THRIE BEAM RAIL TERMINAL - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
N3	THRIE BEAM RAIL TERMINAL MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
P1	THRIE BEAM RAIL CONNECTION 1-BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 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	¾" DIA.
P2	THRIE BEAM RAIL CONNECTION 1-WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
P3	THRIE BEAM RAIL CONNETION 1- MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
Q1	BLOCK WOOD	SEE STANDARD SPEC. 614	
R1	CAP - BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 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	⅝" DIA.
R2	CAP- BOLT - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
R3	CAP - BOLT - MECHANICAL ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	12 GAUGE
S1	CAP 42-INCH TOP 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	12 GAUGE
S2	CAP 42-INCH 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	12 GAUGE
S3	CAP 42-INCH SIDE 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	12 GAUGE
S4	CAP 42-INCH GUSSET 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	12 GAUGE
S5	CAP 42-INCH GUSSET 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	12 GAUGE
S6	CAP 42-INCH GUSSET 3	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	12 GAUGE
S7	CAP 42-INCH GUSSET 4	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	12 GAUGE

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SDD 14B07-16m

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B07-16m

BILL OF MATERIALS - CONCRETE BARRIER PRECAST

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
T1	CAP 56-INCH TOP 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	12 GAUGE
T2	CAP 56-INCH 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	12 GAUGE
T3	CAP 56-INCH SIDE 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	12 GAUGE
T4	CAP 56-INCH SIDE 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	12 GAUGE
T5	CAP 56-INCH GUSSET 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	12 GAUGE
T6	CAP 56-INCH GUSSET 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	12 GAUGE
T7	CAP 56-INCH GUSSET 3	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	12 GAUGE
T8	CAP 42-INCH GUSSET 4	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	12 GAUGE
T9	CAP 42-INCH GUSSET 5	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	12 GAUGE
T10	CAP 42-INCH GUSSET 6	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	12 GAUGE
T11	CAP 42-INCH GUSSET 7	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	12 GAUGE
T12	CAP 42-INCH GUSSET 8	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	12 GAUGE
T13	CAP 42-INCH GUSSET 9	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	12 GAUGE
T14	CAP 42-INCH GUSSET 10	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	12 GAUGE
T15	CAP 42-INCH GUSSET 11	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	12 GAUGE
T16	CAP 42-INCH GUSSET 12	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	12 GAUGE
U1	GAP STIFFENER	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	
U2	GAP STIFFENER - CONNECTOR 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	
U3	GAP STIFFENER - CONNECTOR 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	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
V1	THRIE BEAM RAIL TERMINAL MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS ULTIMATE TENSILE LOAD 24.0 KIPS AND ULTIMATE SHEAR LOAD 21.5 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	¾" DIA.
V2	GAP STIFFENER - BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C O R MECHANICAL GALVANIZE 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	
W1	TOE 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	
X1	TOE PLATE - CONNECTION BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 UNC HEAVY HEX HEAD OR AASTHO M180 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.	¾" DIA.
X2	TOE PLATE - CONNECTION BOLT - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1 (HARDEN WASHER ONLY)	
X3	TOE PLATE - CONNECTION BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	

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CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

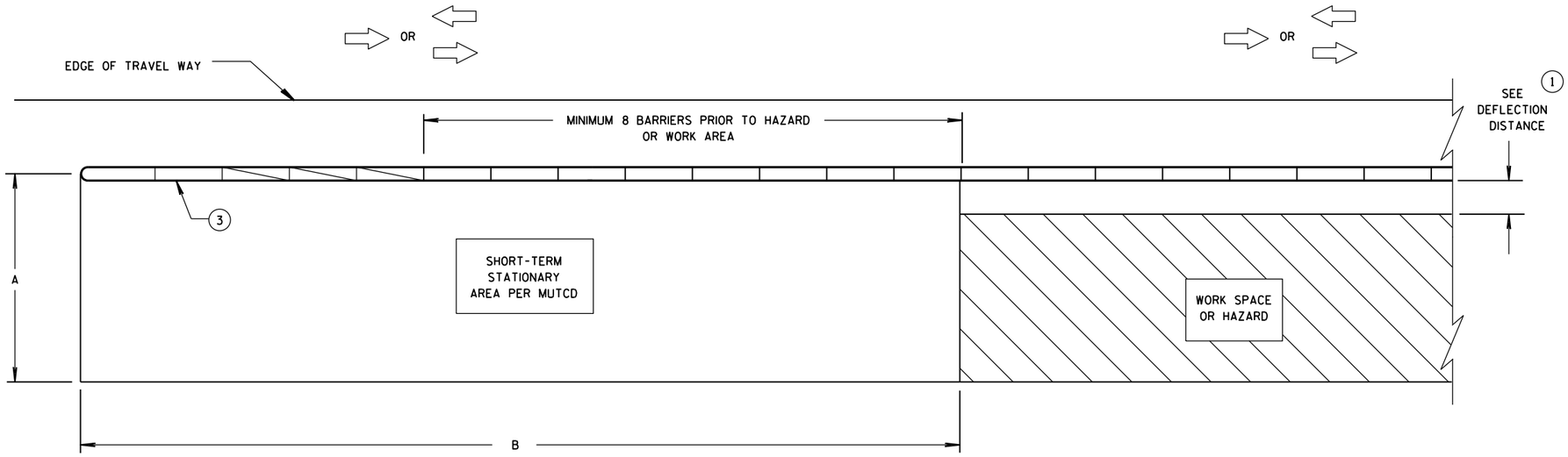
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 14B07-16n



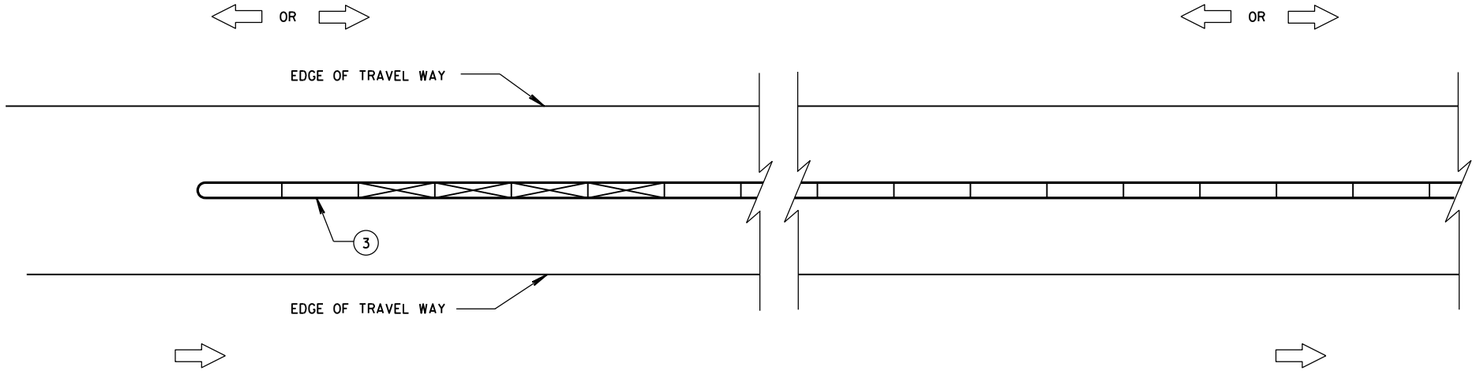
CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER

DIMENSION A TABLE (2)

FACILITY	POSTED SPEED MPH	DIMENSION A	
		MIN. FT	MAX. FT
FREEWAY/EXPRESSWAY	ALL	15	20
NON-FREEWAY/EXPRESSWAY	GREATER THAN OR EQUAL TO 45	10	15
NON-FREEWAY/EXPRESSWAY	LESS THAN 45	8	10
AADT LESS THAN 1,500	ALL	8	10

DIMENSION B TABLE (2)

POSTED SPEEDS MPH	DIMENSION B FT
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON BOTH SIDES OF BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

GENERAL NOTES

SEE STANDARD DETAIL DRAWING 14B7 FOR MORE INFORMATION.

DETAILS PROVIDE A GENERAL LAYOUT OF TEMPORARY CONCRETE BARRIER, CRASH CUSHIONS, SAND BARREL ARRAYS AND TIE DOWN TRANSITIONS. DETAILS PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

ADDITIONAL TEMPORARY BARRIER MAY BE REQUIRED TO PROTECT TRAVELING PUBLIC FROM HAZARDS, CONTRACTOR'S OPERATIONS OR TO CONTROL TRAFFIC.

TEMPORARY BARRIER MAY BE REQUIRED TO BE ANCHORED TO PAVEMENT OR BRIDGE DECK.

FOR DETAILS ON CRASH CUSHION OR SAND BARREL ARRAYS SEE OTHER SECTIONS OF THE PLAN AND MANUFACTURE'S DETAILS.

SLOPES LEADING TO TEMPORARY BARRIER, CRASH CUSHION OR SAND BARREL ARRAY ARE 10:1 OR LESS.

(1) FOR DEFLECTION INFORMATION SEE STANDARD DETAIL DRAWING 14B7.

(2) VALUES PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

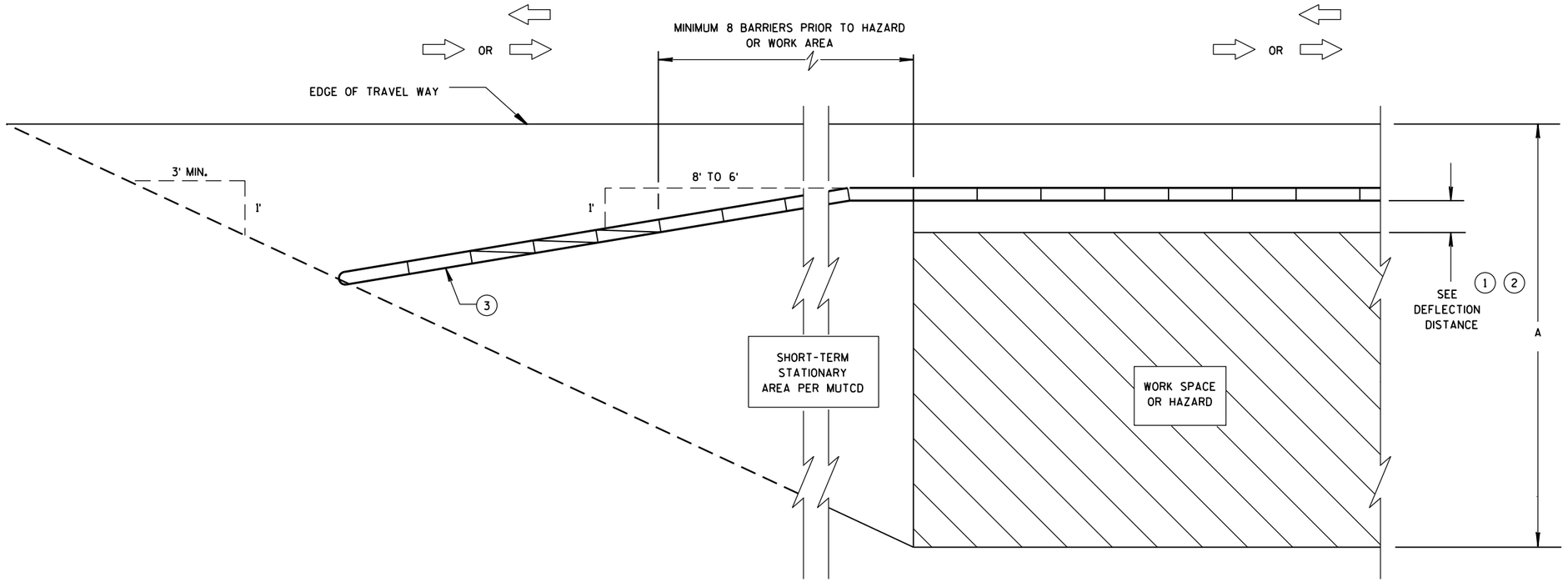
(3) ANCHOR TEMPORARY BARRIER ACCORDING TO CRASH CUSHION OR SAND BARREL MANUFACTURER'S RECOMMENDATIONS. IF MANUFACTURER'S RECOMMENDATIONS ARE NOT PROVIDED, ANCHOR 3 PINS ON TRAFFIC SIDE.

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

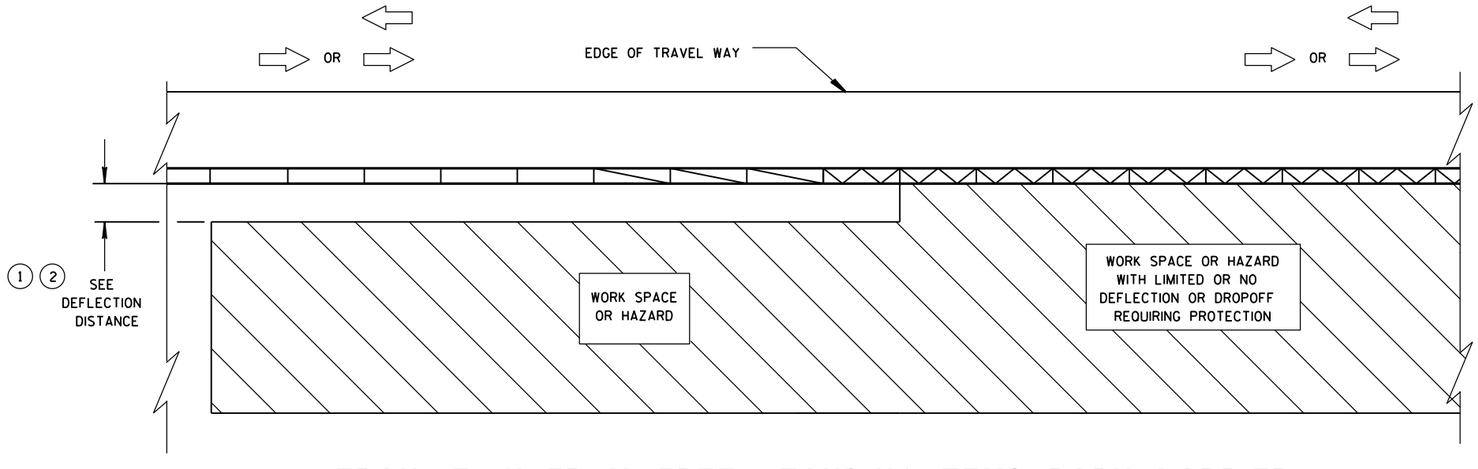
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 14 B 8-2a
S.D.D. 14 B 8-2a



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE - FLARED INSTALLATION



TRANSITION FROM FREE STANDING TEMPORARY BARRIER TO ANCHORED BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

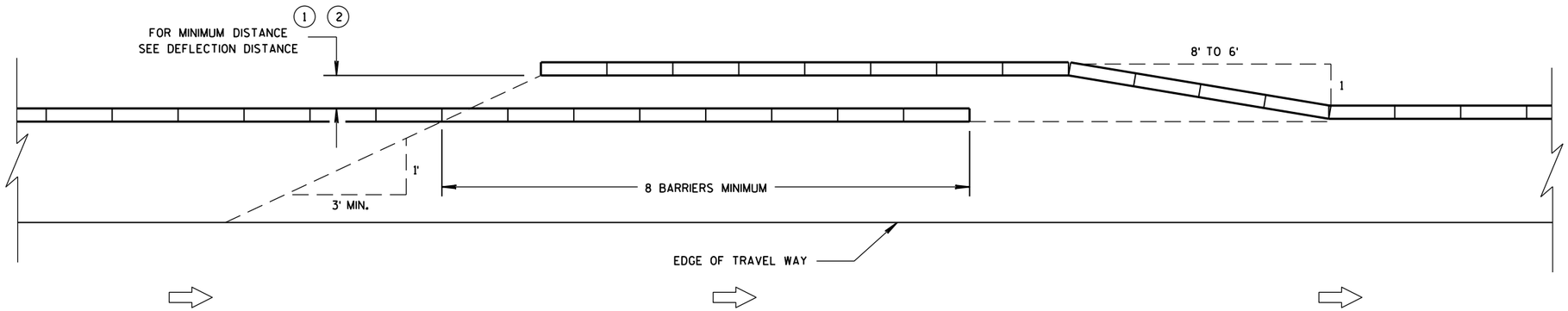
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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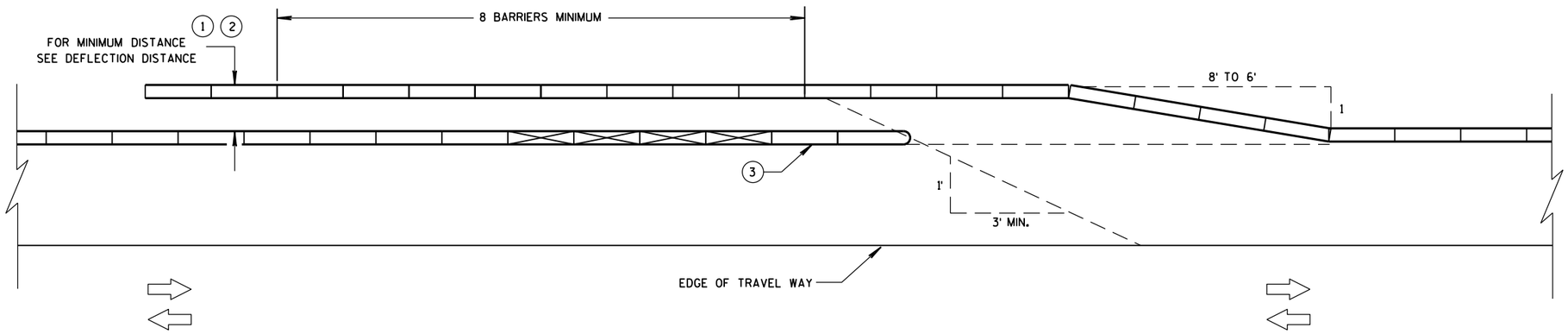
S.D.D. 14 B 8-2b

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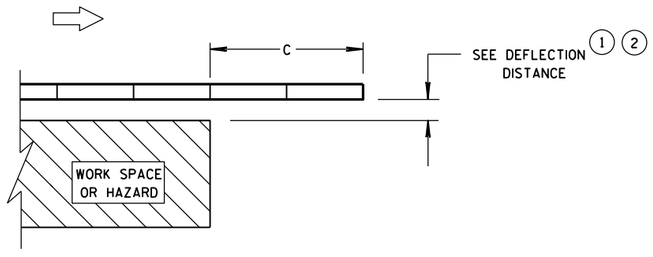
S.D.D. 14 B 8-2b



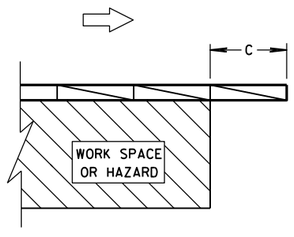
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



TEMPORARY BARRIER OVERLAP - TWO-WAY TRAFFIC



ENDING TEMPORARY BARRIER DOWNSTREAM - UNANCHORED



ENDING TEMPORARY BARRIER DOWNSTREAM - ANCHORED

LEGEND

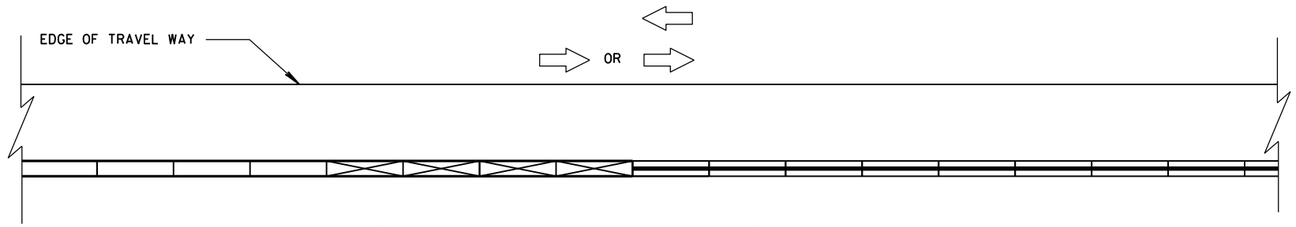
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

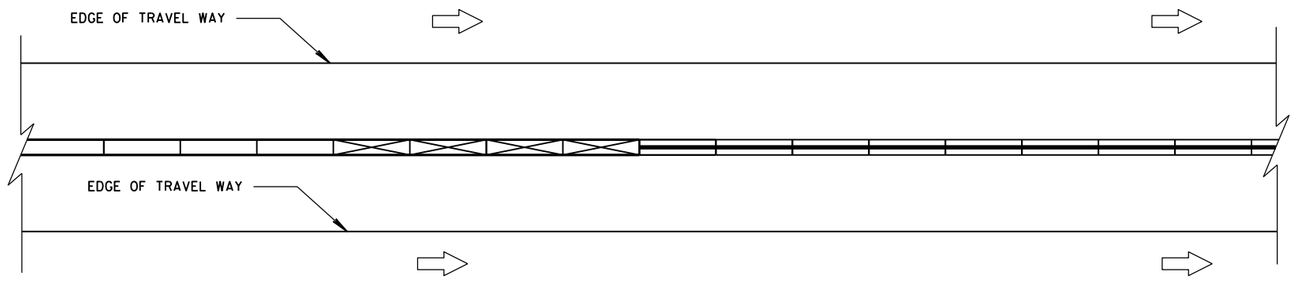
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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S.D.D. 14 B 8-2c



CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON ONE SIDE



CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON BOTH SIDES

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR
SAND BARREL ARRAY

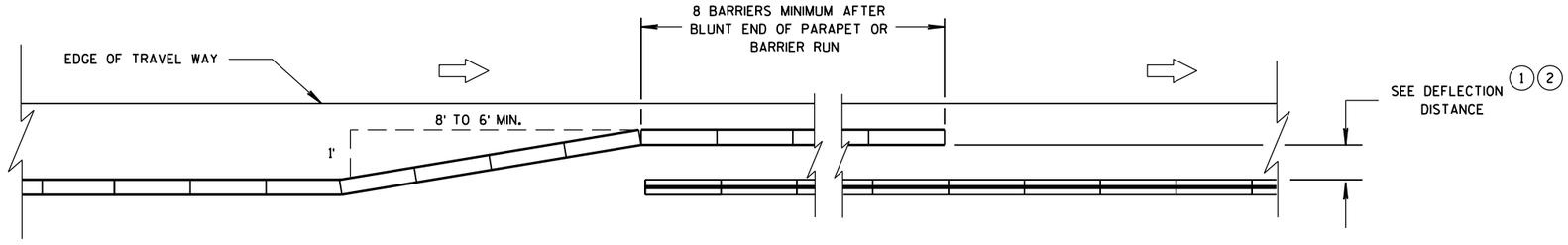
SEE FREE STANDING TRANSITION
TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION
TO TIED-DOWN SYSTEM DETAILS

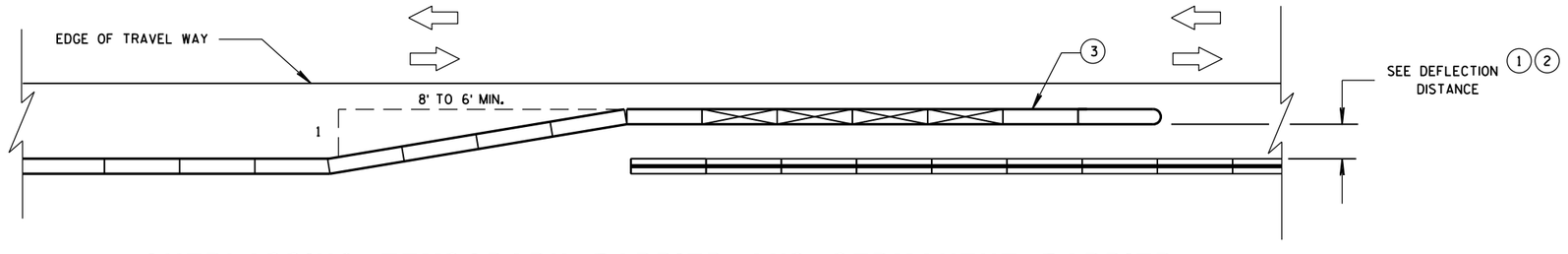
3 PINS PLACED ON
TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER
OR CONCRETE PARAPET

FREE STANDING TEMPORARY
BARRIER



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
ONE WAY TRAFFIC



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
TWO WAY TRAFFIC

CRASH CUSHION/SAND BARREL
ARRAY AND OTHER TEMPORARY
BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 14 B 8-2d

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR SAND BARREL ARRAY

SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS

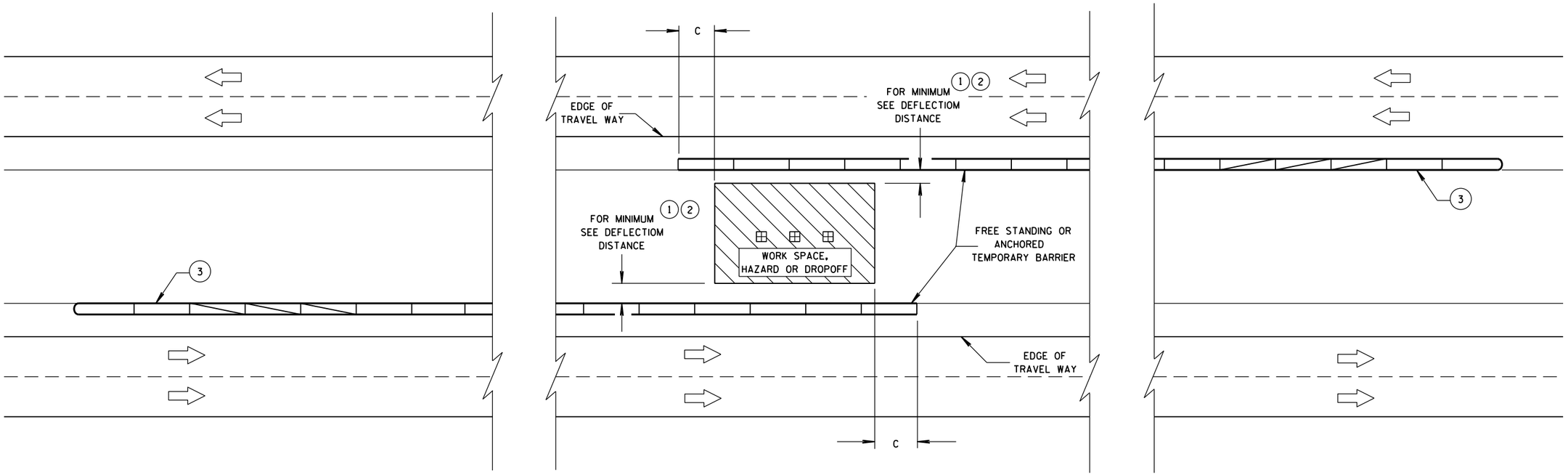
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET

FREE STANDING TEMPORARY BARRIER

DIMENSION C TABLE (2)

AVAILABLE DEFLECTION DISTANCE	MINIMUM LENGTH OF BARRIER BEYOND HAZARD FT
GREATER THAN 8'	12.5
LESS THAN OR EQUAL TO 8' BUT GREATER THAN 4'	50
LESS THAN OR EQUAL TO 4'	100



CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

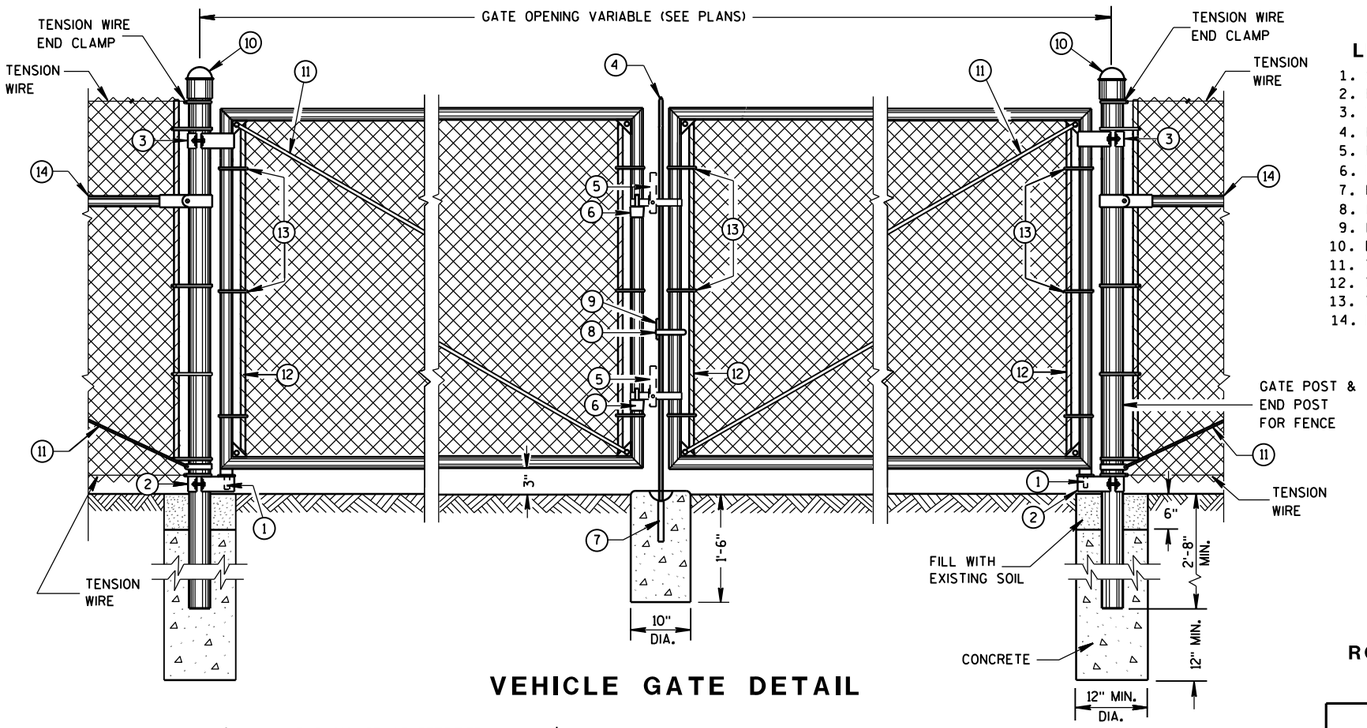
APPROVED
June, 2015
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINNER
FHWA

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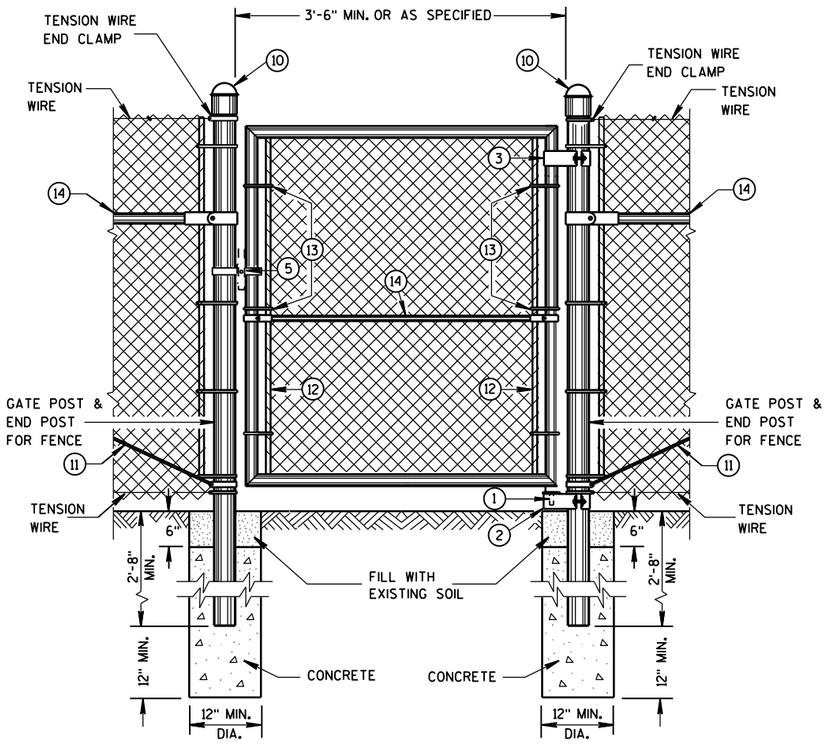
S.D.D. 14 B 8-2e

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S.D.D. 14 B 8-2e



VEHICLE GATE DETAIL



PEDESTRIAN GATE DETAIL

LEGEND

1. STRAIGHT PLUG
2. BOTTOM HINGE
3. TOP HINGE
4. PLUNGER ROD
5. FULCRUM LATCH
6. FORK CATCH *
7. PLUNGER ROD CATCH
8. LOCK KEEPER GUIDE
9. LOCK KEEPER
10. DOME TOPS
11. TRUSS RODS
12. TENSION BAR
13. TENSION BANDS
14. BRACE RAIL

*NOT REQUIRED ON SINGLE SWING PEDESTRIAN GATE

GENERAL NOTES

FENCE POSTS INSTALLED ON CONCRETE WALLS SHALL BE ANCHORED INTO EMBEDDED METAL SLEEVES OR CORED HOLE BY FILLING THE ANNULAR SPACE WITH PEA GRAVEL FOLLOWED BY AN EPOXY RESIN ADHESIVE. THE EPOXY RESIN ADHESIVE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 235, CLASS A, B OR C.

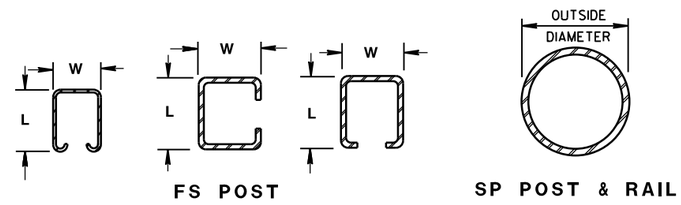
USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

FOR LEAF GATES GREATER THAN 8 FEET WIDE, INSTALL INTERIOR VERTICAL BRACE RAIL AT 8 FOOT INTERVALS.

FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE WIDTH OR 2 INCHES.

USE TYPE 2, CLASS 3, MARCELLED/CRIMPED, TENSION WIRE PER ASTM A 817.



FS POST

SP POST & RAIL

CROSS SECTIONS OF POSTS AND RAILS

ROLLED-FORMED STEEL FENCE POST (2.0 OZ./SQ. FT. COATING)

POST TYPE	LENGTH (L) INCH	WIDTH (W) INCH	WEIGHT LBS/FT
FS1	1.625	1.25	1.35
FS2†	1.875	1.625	1.850
FS2	1.875	1.625	2.400
FS3	2.250	1.700	2.780

ROUND STEEL FENCE POST (1.8 OZ./SQ. FT. COATING)

POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT
SP1	1.660	0.140	2.270
SP2	1.900	0.145	2.720
SP3	2.375	0.154	3.650
SP4	2.875	0.203	5.800
SP5	4.000	0.226	9.120
SP6	6.625	0.280	18.990
SP7	8.625	0.322	28.580

REQUIRED FENCE POST SIZES

USE	FABRIC HEIGHTS FEET	POST TYPE
TERMINAL POSTS **	LESS THAN OR EQUAL TO 6 FT.	SP3
	GREATER THAN OR EQUAL TO 6 FT.	SP4
LINE POSTS	LESS THAN OR EQUAL TO 6 FT.	SP2
	LESS THAN OR EQUAL TO 8 FT.	SP3
	GREATER THAN OR EQUAL TO 8 FT.	SP4
	LESS THAN OR EQUAL TO 8 FT.	FS2 OR FS2†
	GREATER THAN OR EQUAL TO 8 FT.	FS3

REQUIRED POST SIZE FOR GATES

USE	LEAF WIDTHS FEET	POST TYPE
GATES	LESS THAN OR EQUAL TO 6 FT.	SP4
	LESS THAN OR EQUAL TO 13 FT.	SP5
	LESS THAN OR EQUAL TO 18 FT.	SP6
	LESS THAN OR EQUAL TO 23 FT.	SP7

BRACE RAIL TYPES

USE		TYPE
BRACE RAIL		SP1 OR FS1

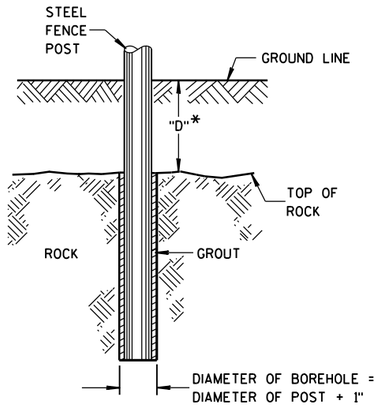
** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

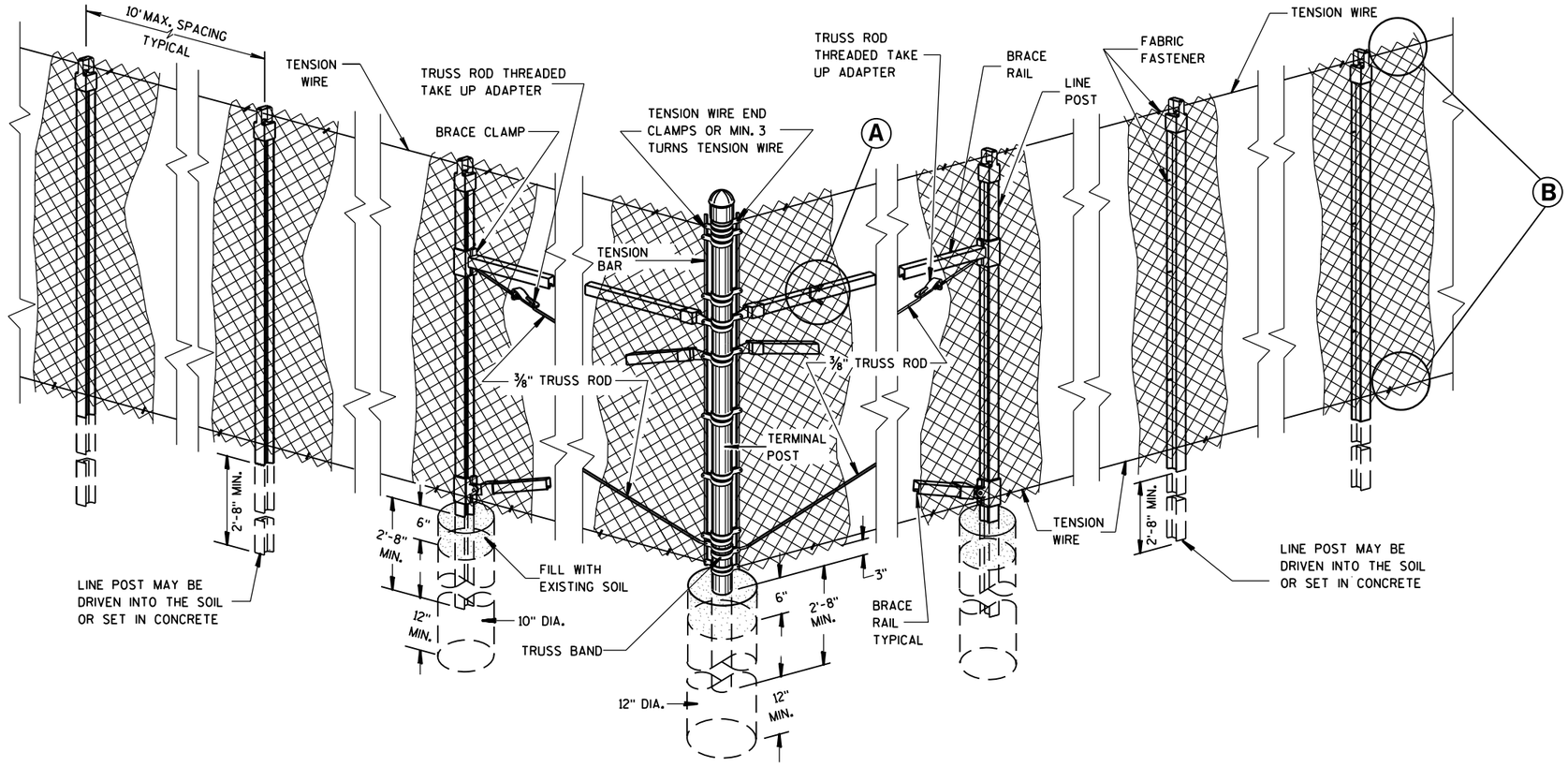
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S.D.D. 15 B 3-15a

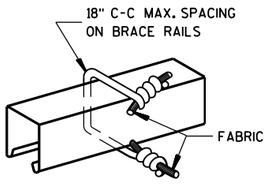


*IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST



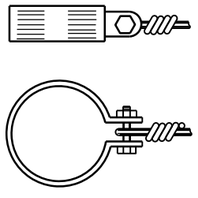
END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



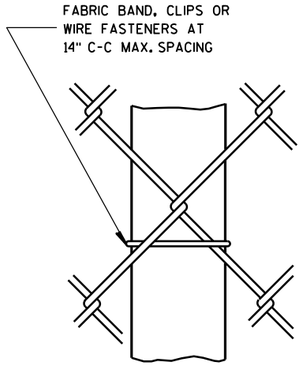
BRACE RAIL

FABRIC FASTENER

Ⓐ



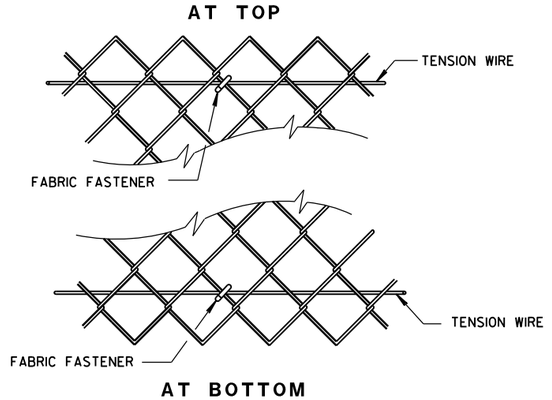
TENSION WIRE END CLAMP



LINE POST

FABRIC FASTENER

AT TOP



AT BOTTOM

SELVAGES

Ⓑ

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
FEB. 2015 DATE
FHWA
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

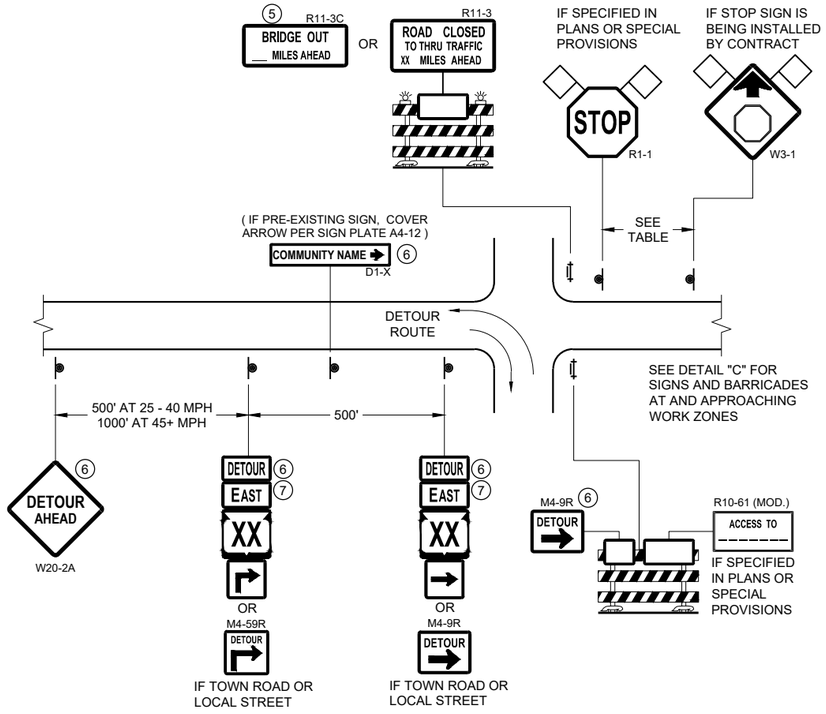
322

6

S.D.D. 15 B 3-15b

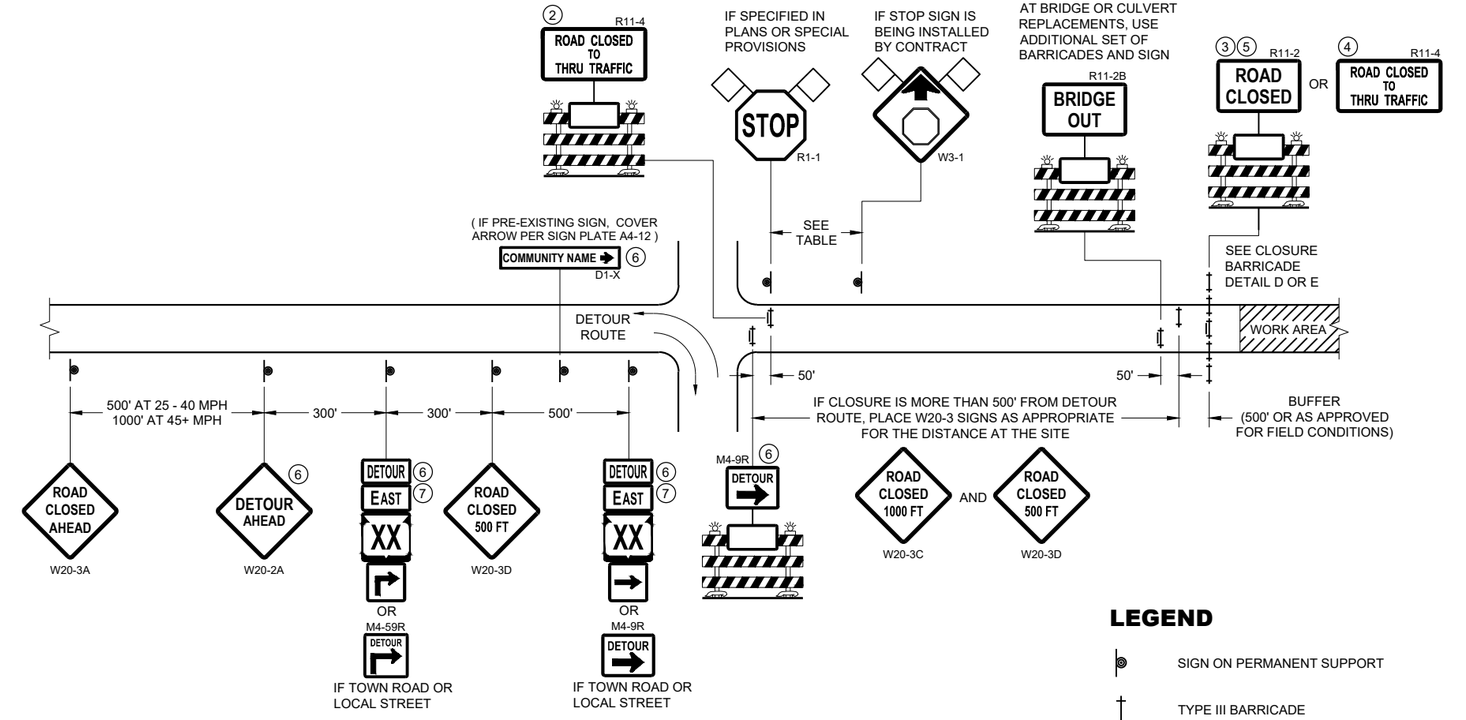
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S.D.D. 15 B 3-15b



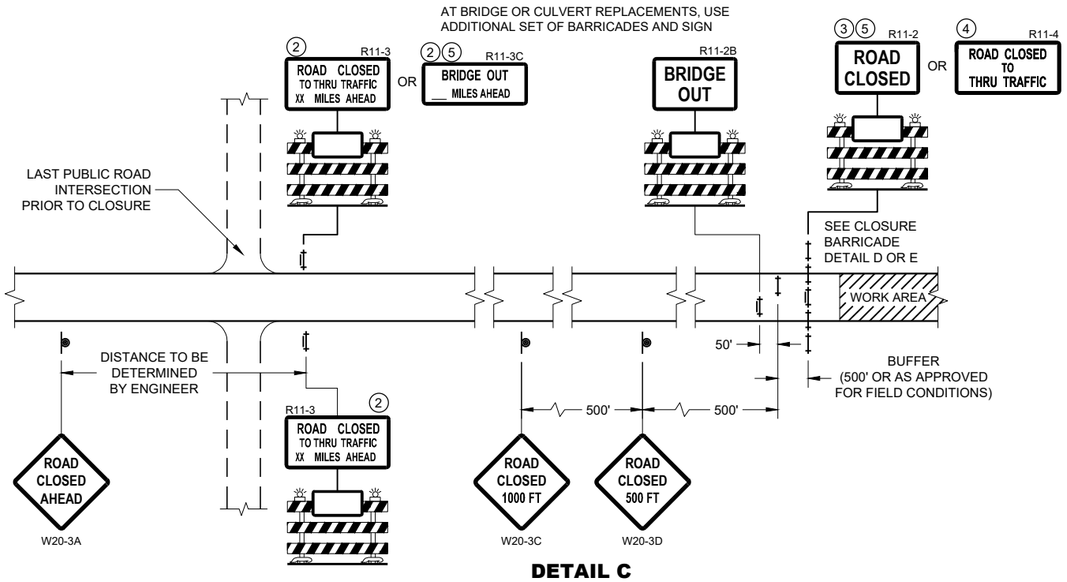
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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)



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

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

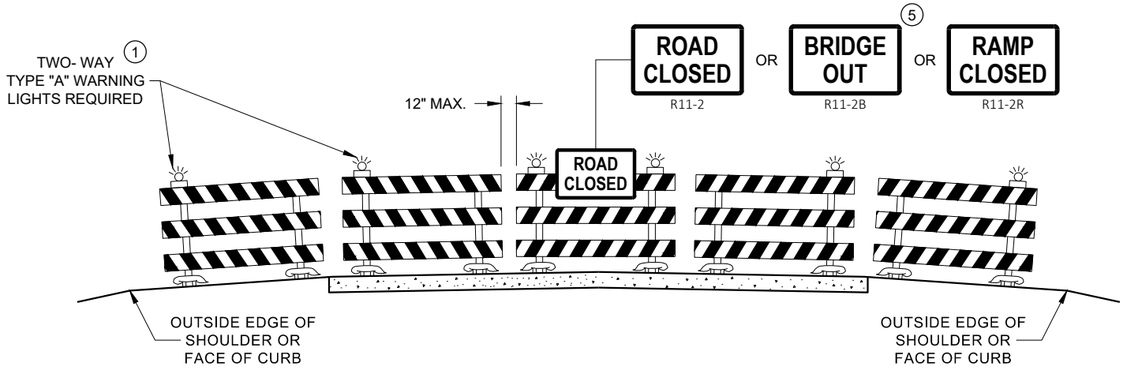
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

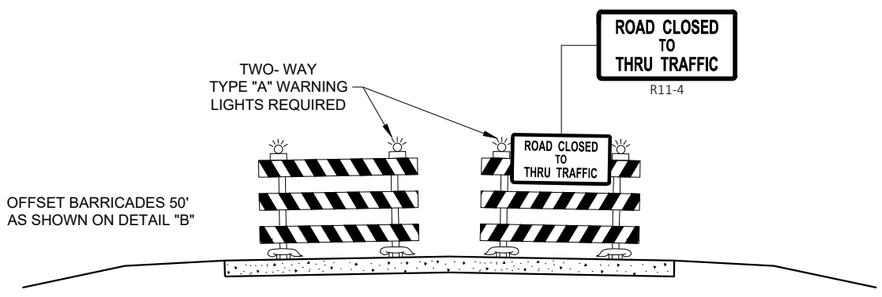
FHWA

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SDD 15C02 - 09a



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
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

6

SDD 15C02 - 09b

6

SDD 15C02 - 09b

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 / EAST — M4 - 8, 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.

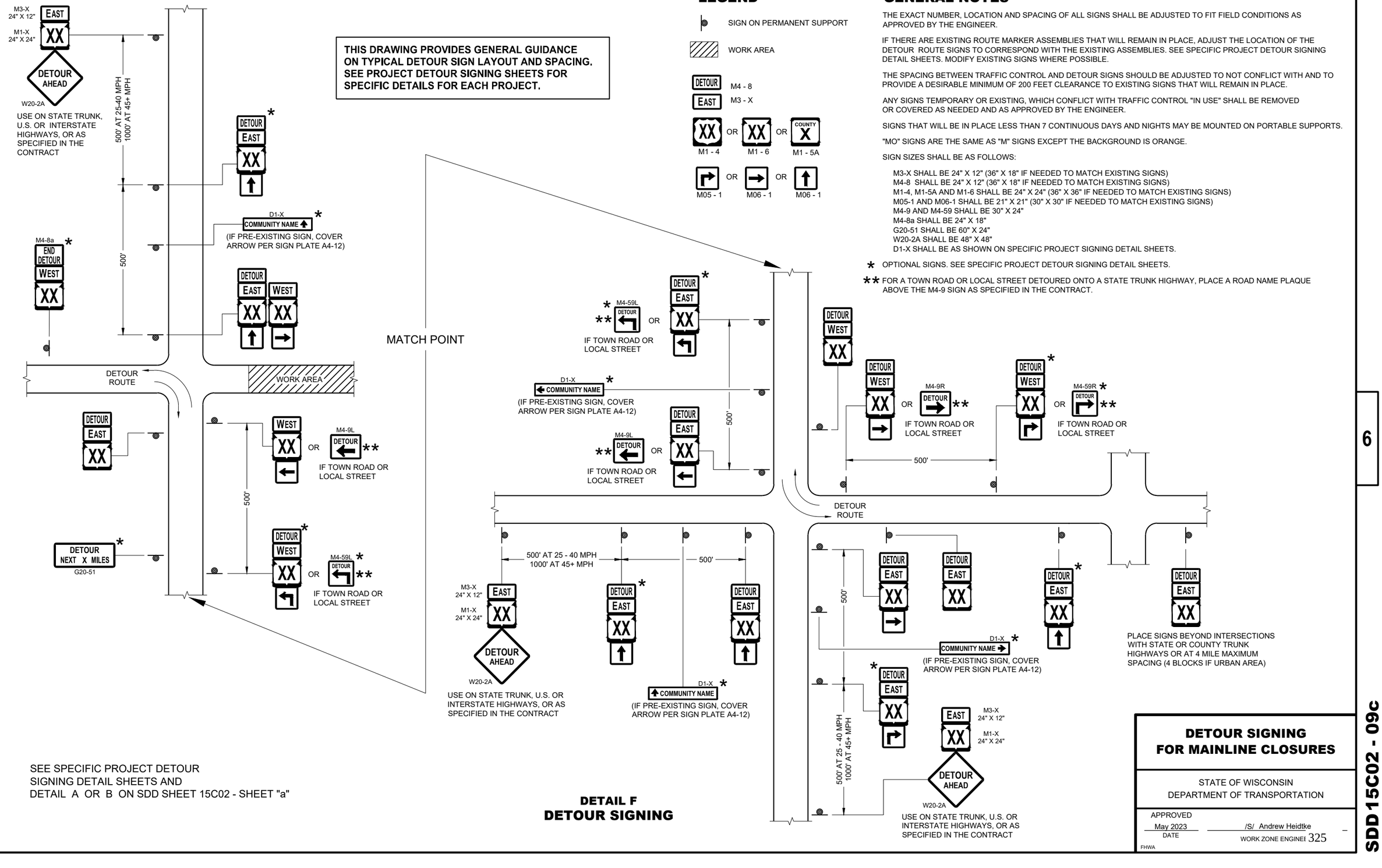
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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.



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

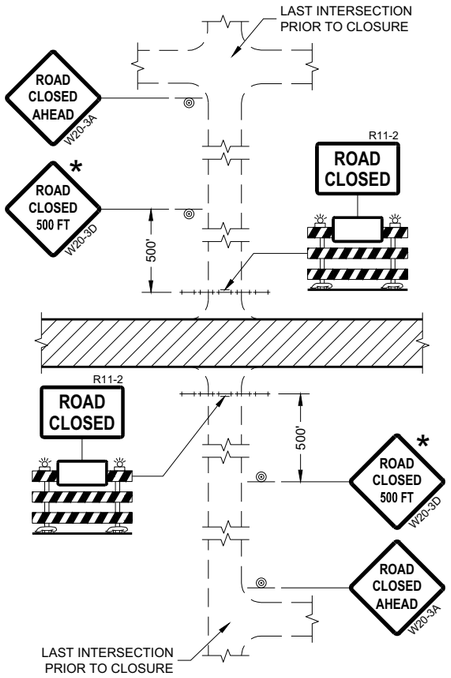
APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

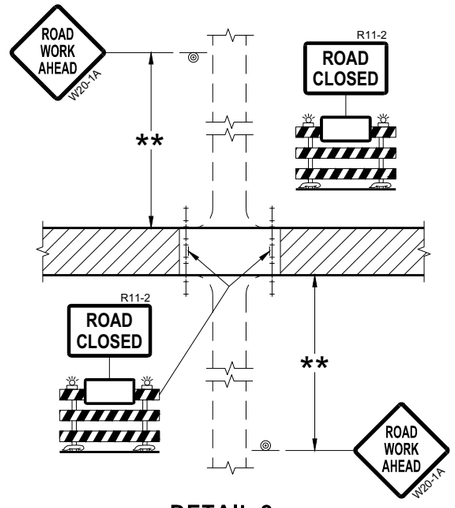
FHWA

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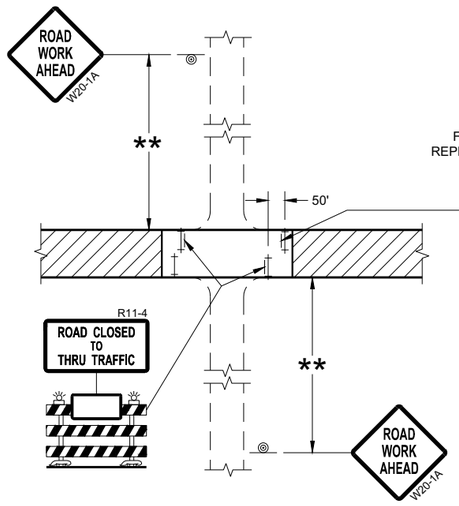
SDD 15C02 - 09c



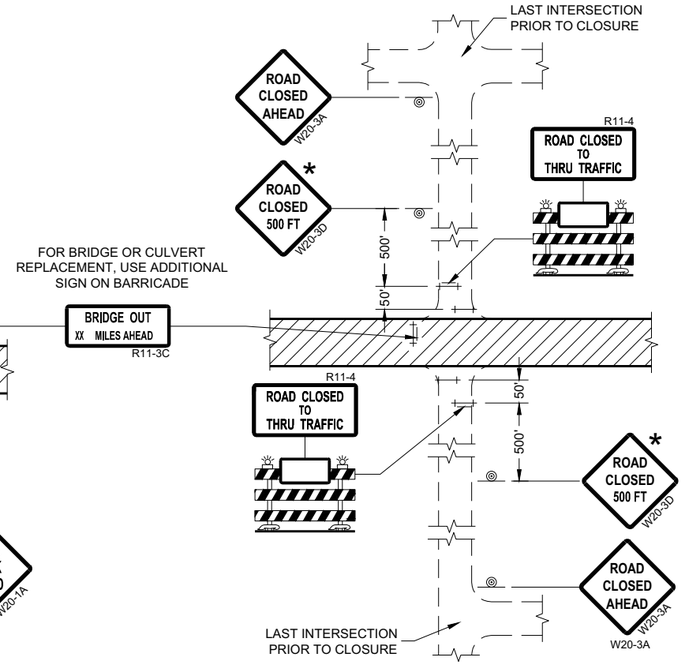
DETAIL 1
(NO ACCESS TO PROJECT)



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

6

SDD 15C03 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

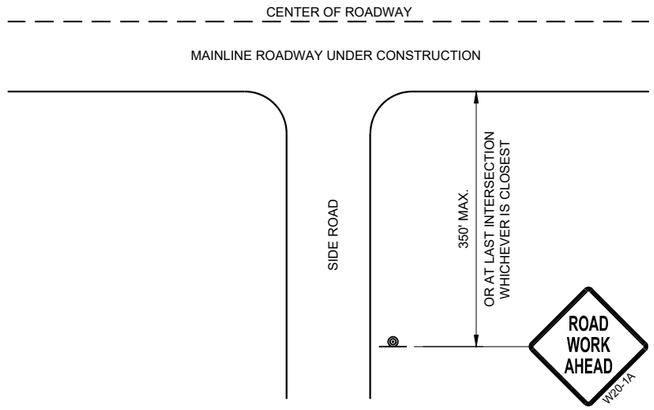
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. 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.



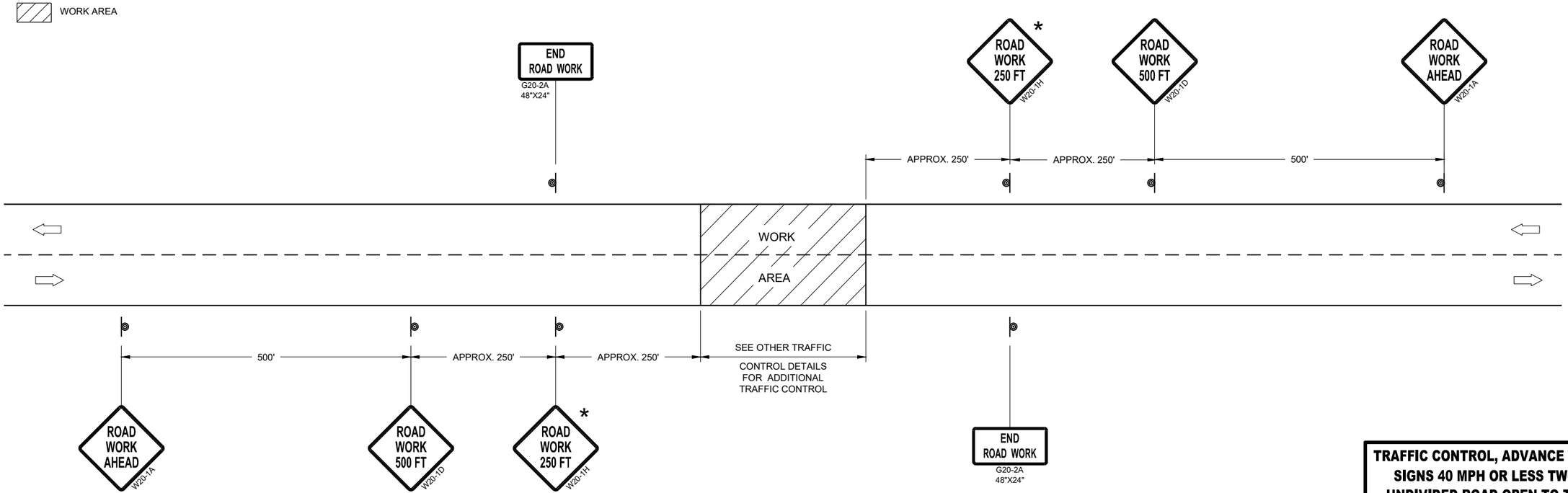
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

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

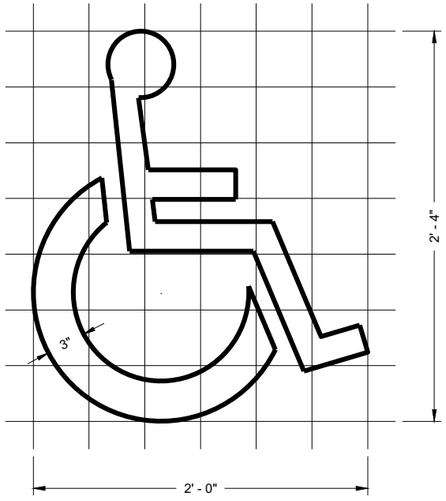
FHWA

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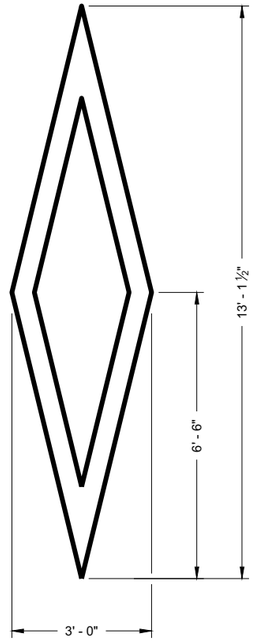
SDD 15C05 - 05

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.



HANDICAP SYMBOL



PREFERENTIAL LANE SYMBOL

6

6

SDD 15C07 - 15a

SDD 15C07 - 15a

PAVEMENT MARKING SYMBOLS

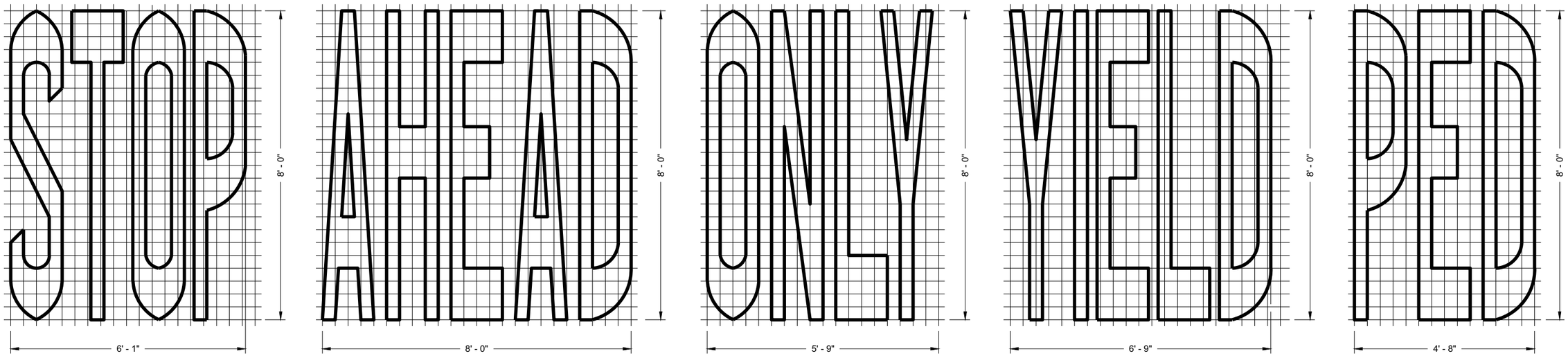
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

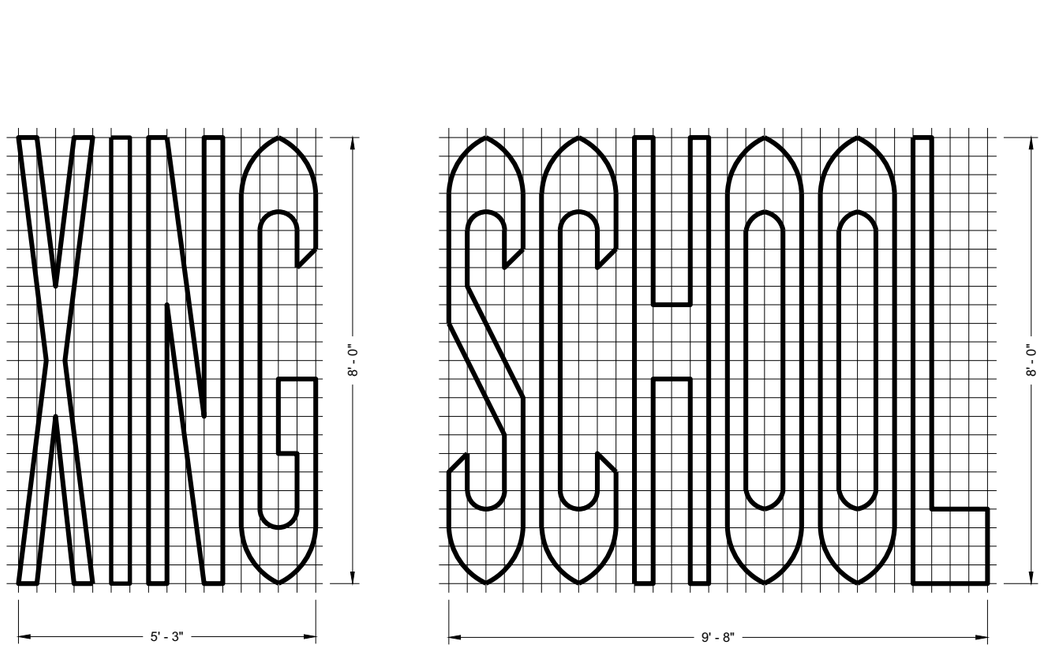
APPROVED

November 2019
DATE

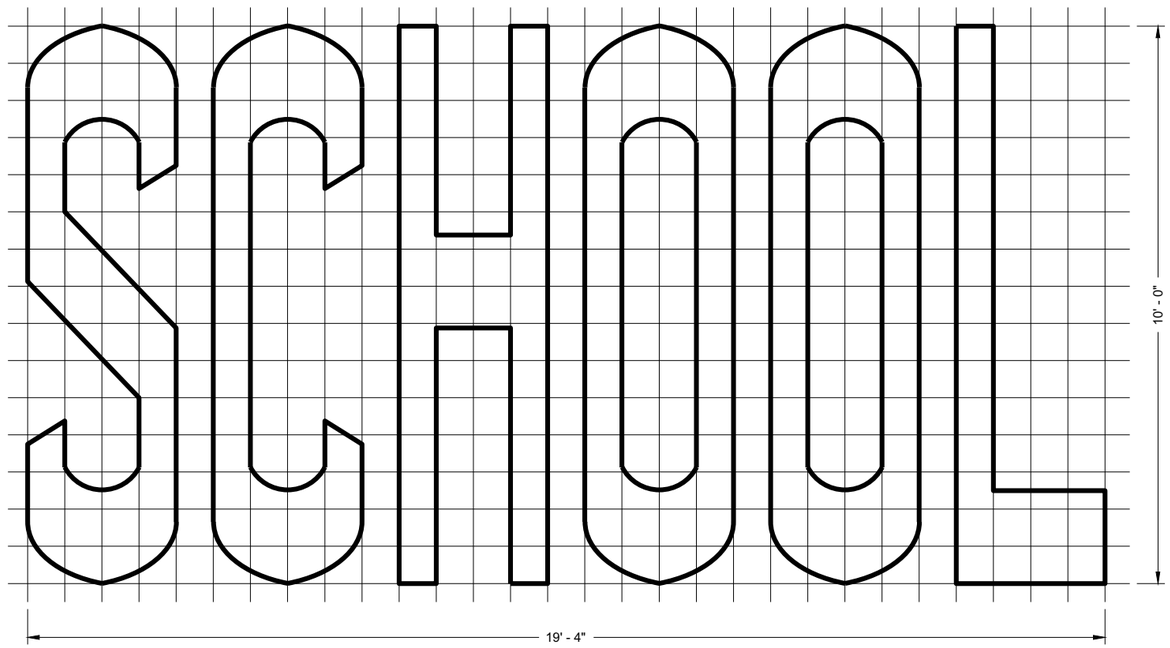
/S/ Matthew Rauch
STATE SIGNING AND MAR ENGINEER

FHWA





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

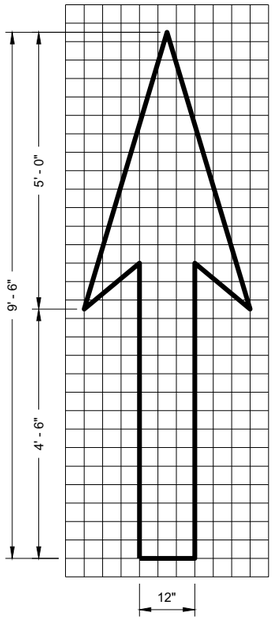
/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

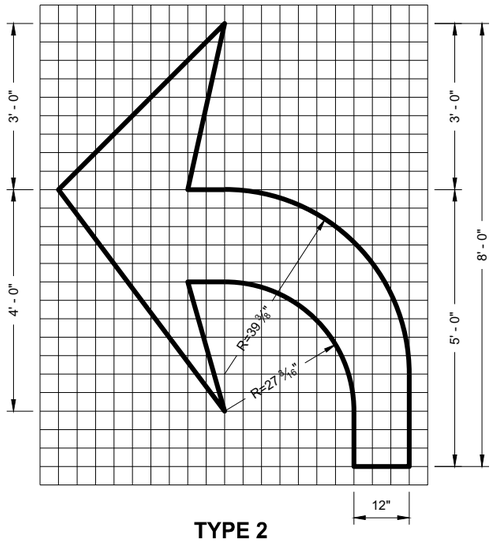
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SDD 15C07 - 15b

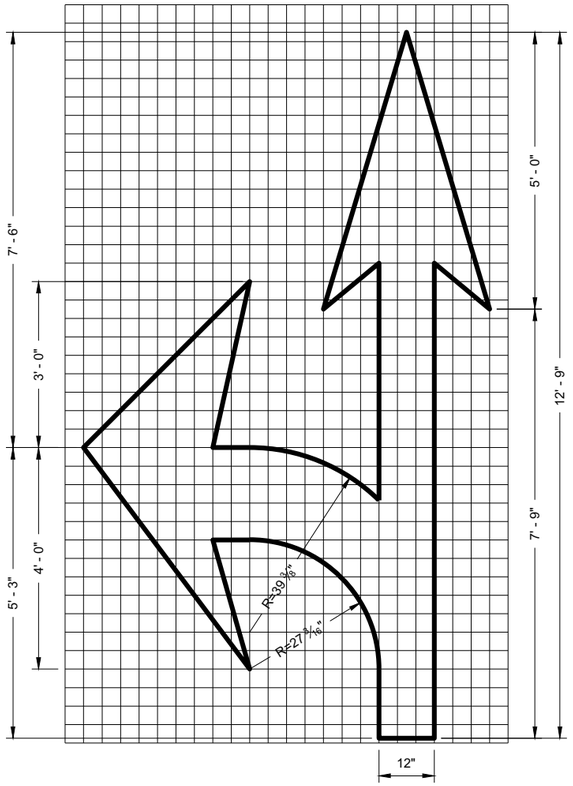
SDD 15C07 - 15b



TYPE 1



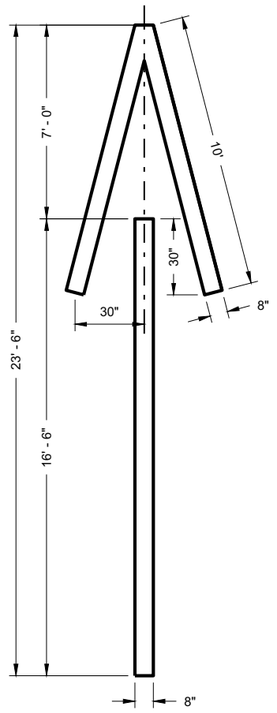
TYPE 2



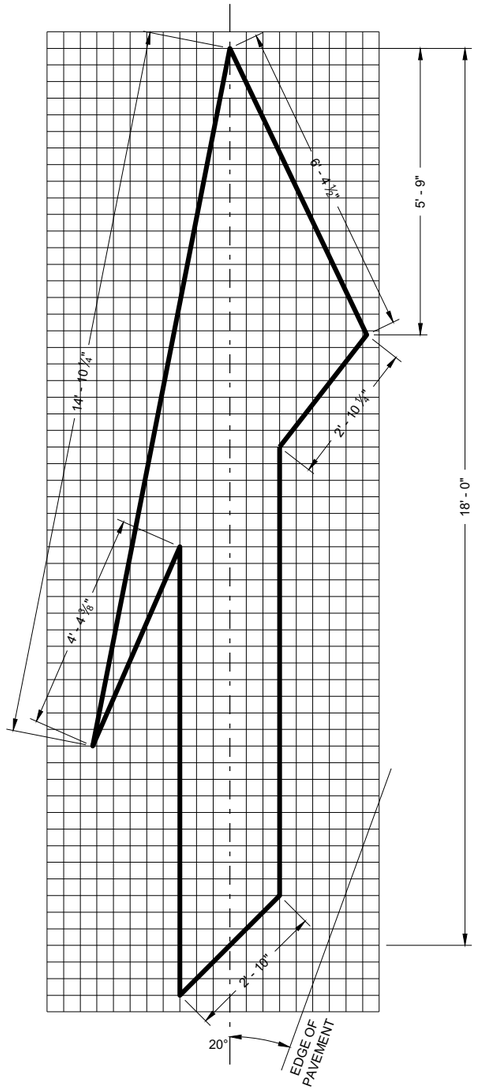
TYPE 3

GENERAL NOTES

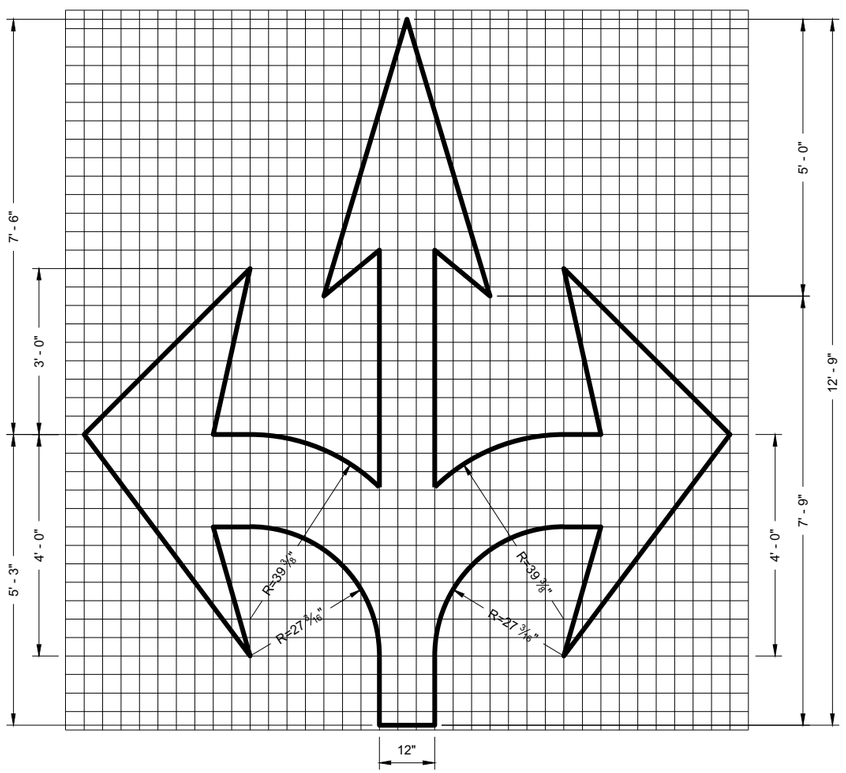
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



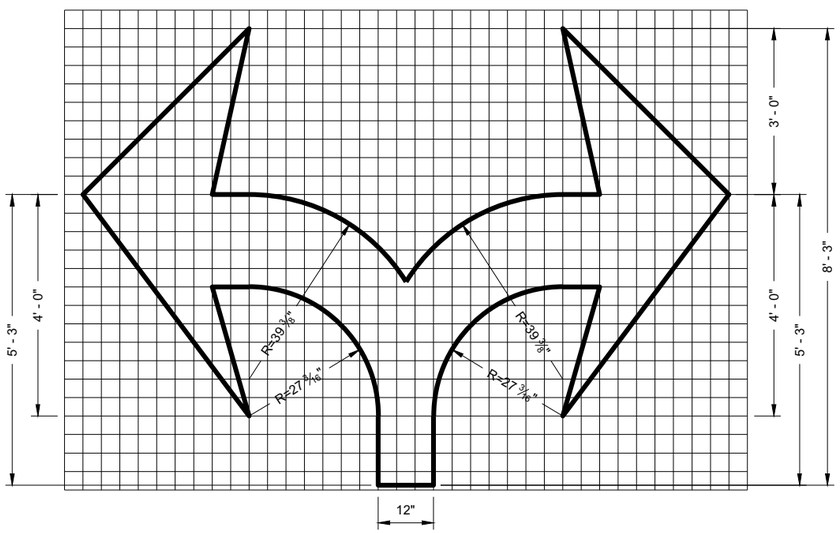
TYPE 4



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 MAF ENGINEER

FHWA

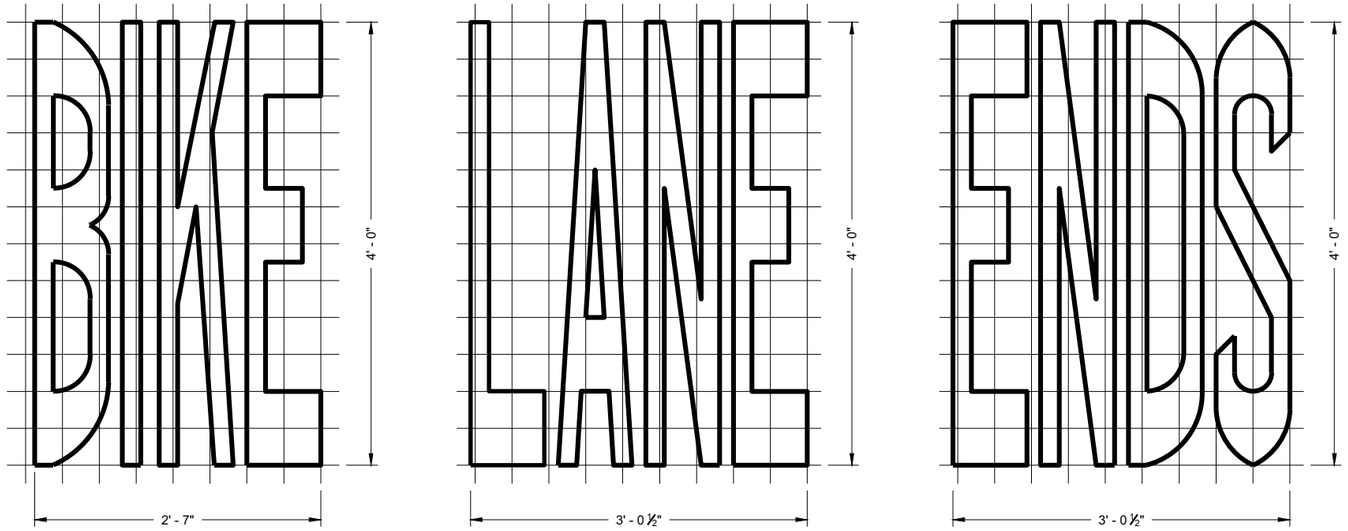
6

SDD 15C07 - 15c

6

SDD 15C07 - 15c

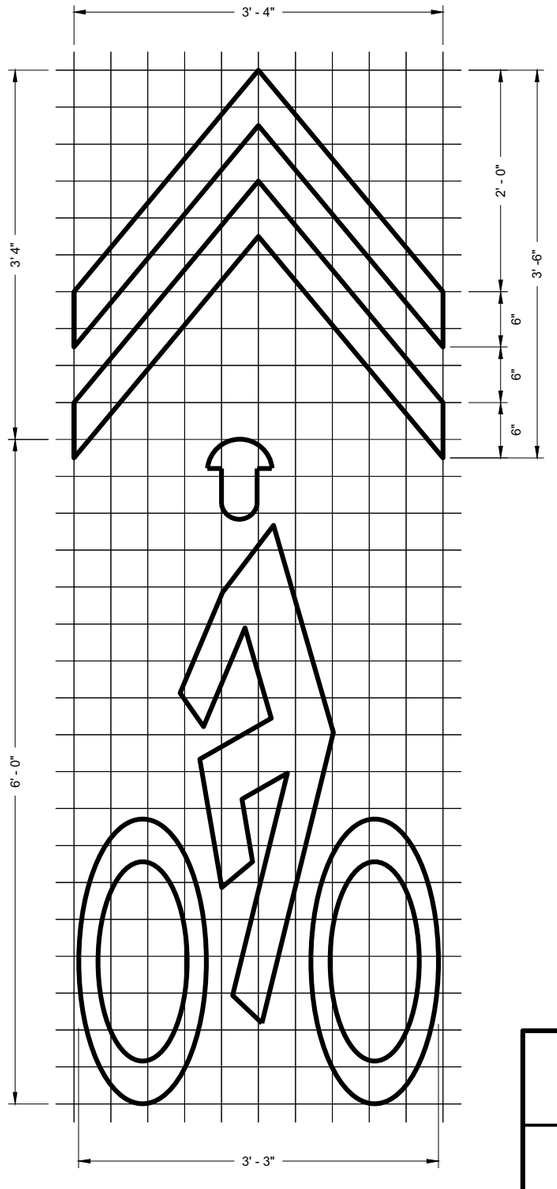
SDD 15C7-e Pavement Marking For Bike Lanes

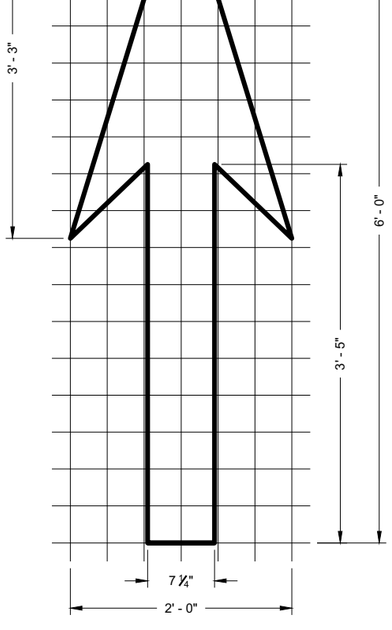


BIKE LANE WORDS

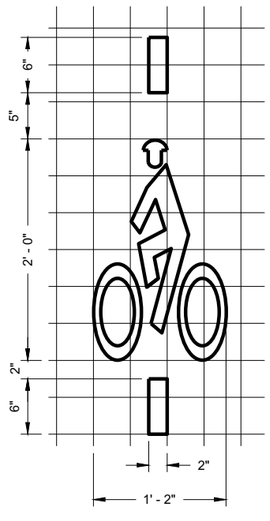
GENERAL NOTES

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.

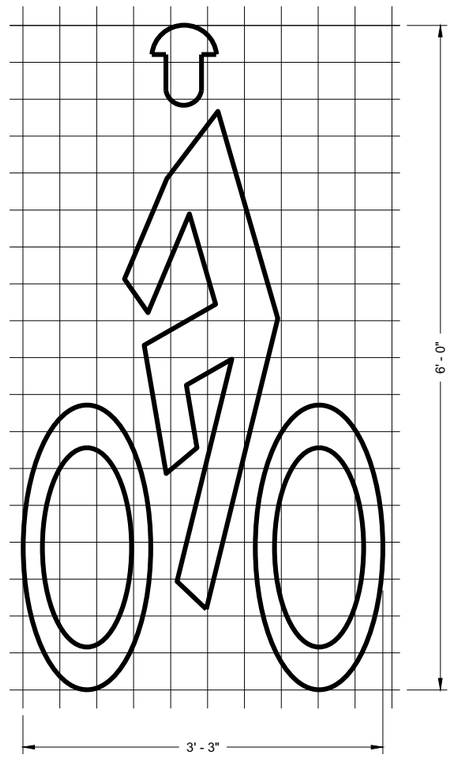




BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING



BIKE LANE SYMBOL

BIKE LANE SYMBOL FOR SHARED LANE

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

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SDD 15C07 - 15e

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

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

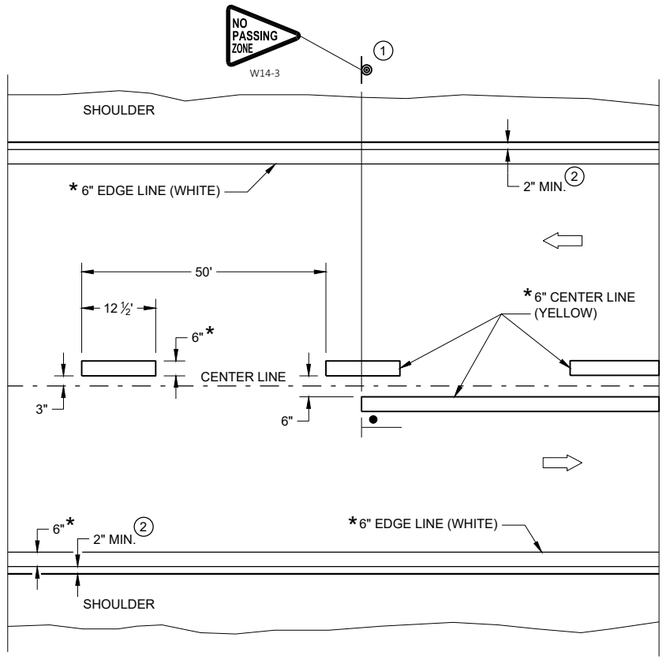
(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

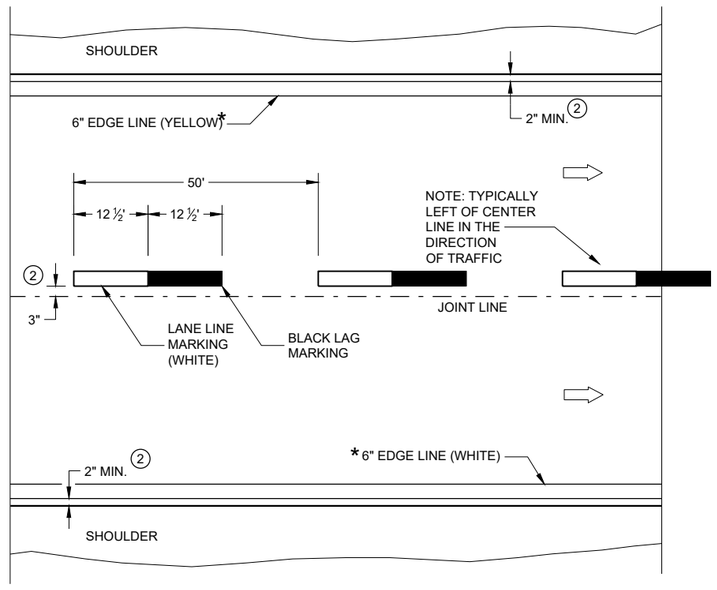
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2023
DATE

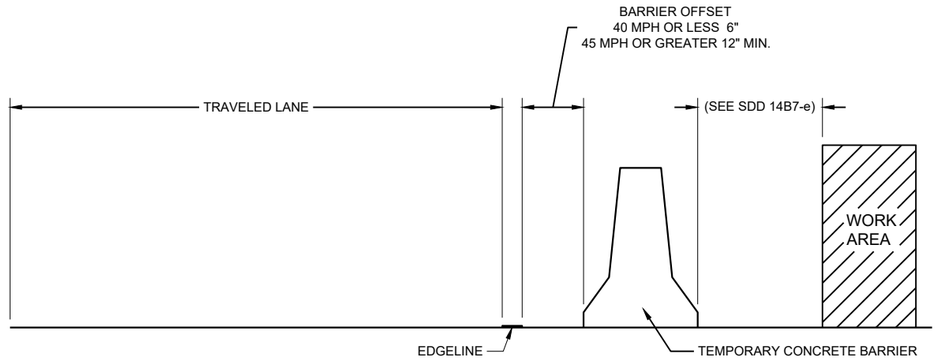
/S/ Jeannie Silver
STATEWIDE SIGNING AND M ENGINEER

FHWA

6

SDD 15C08-23a

SDD 15C08-23a



TEMPORARY BARRIER OFFSET FROM EDGELINE

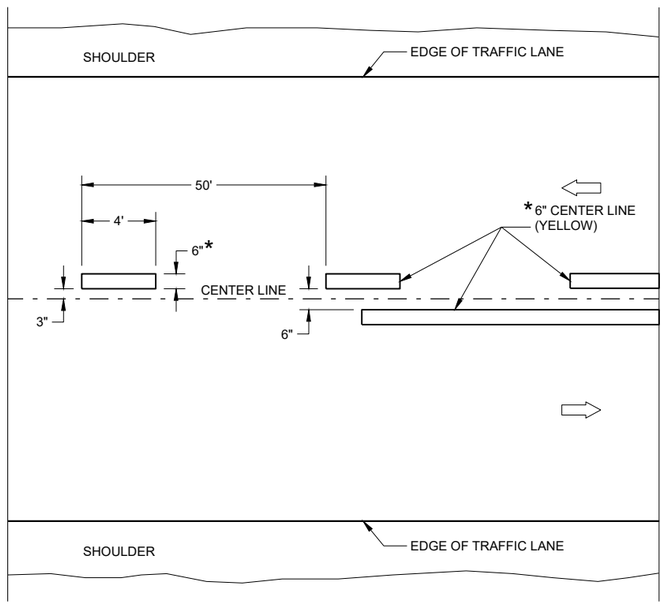
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

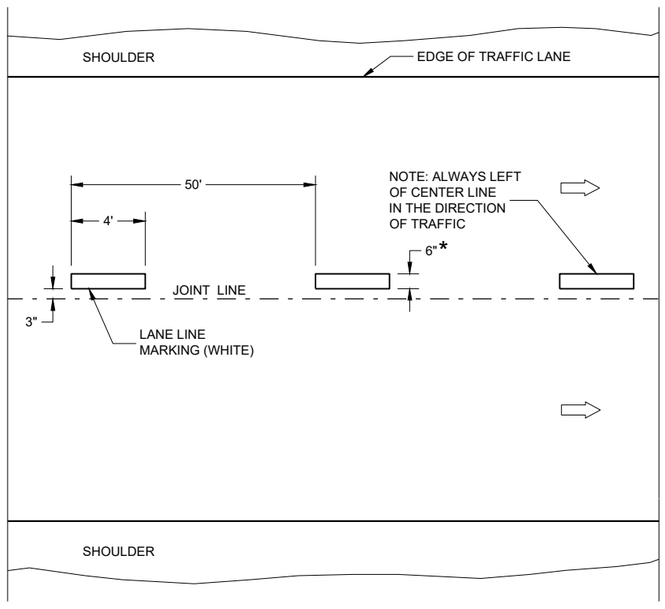
LEGEND

⇨ DIRECTION OF TRAFFIC

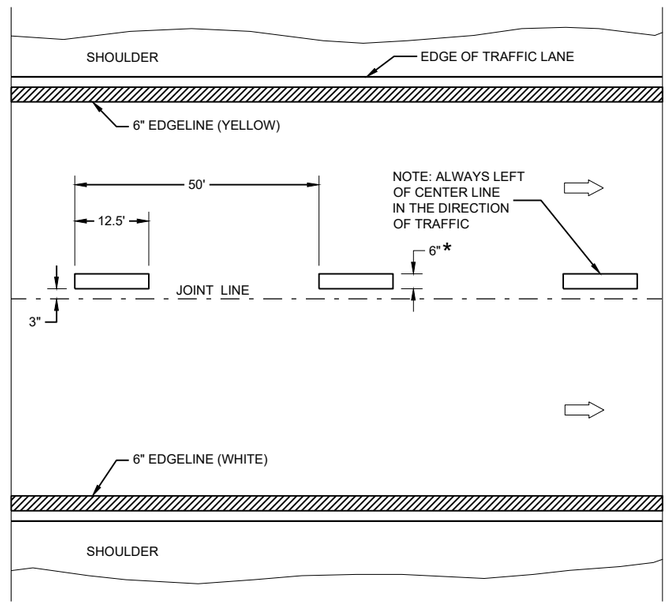
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — STATEWIDE SIGNING AND M ENGINEER

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SDD 15C08-23b

6

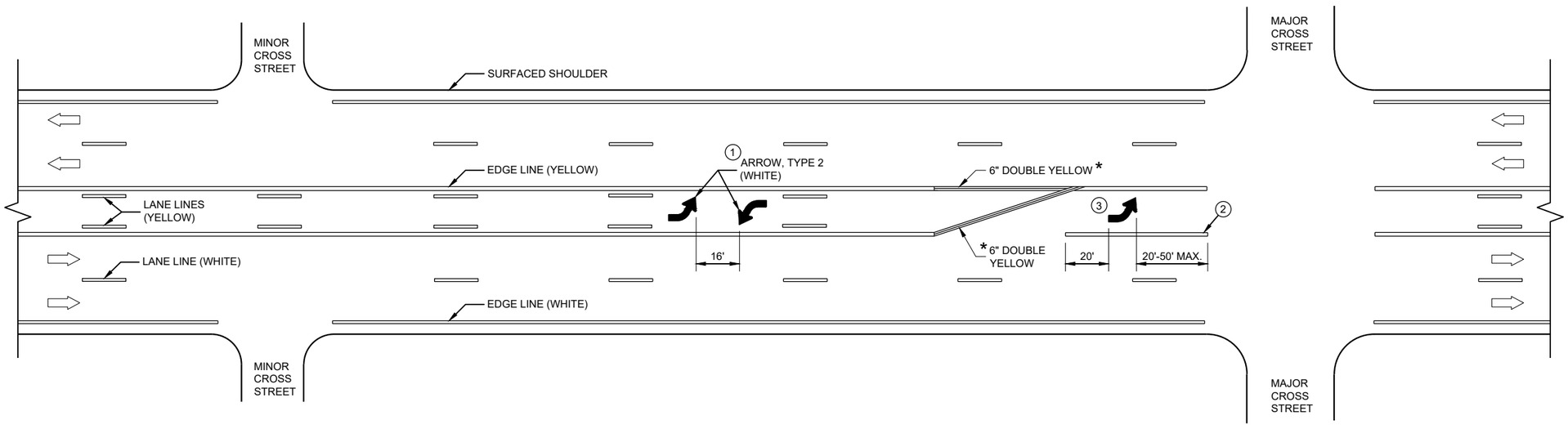
SDD 15C08-23b

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 10" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

⇨ DIRECTION OF TRAFFIC

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY LEFT TURN LANE

6

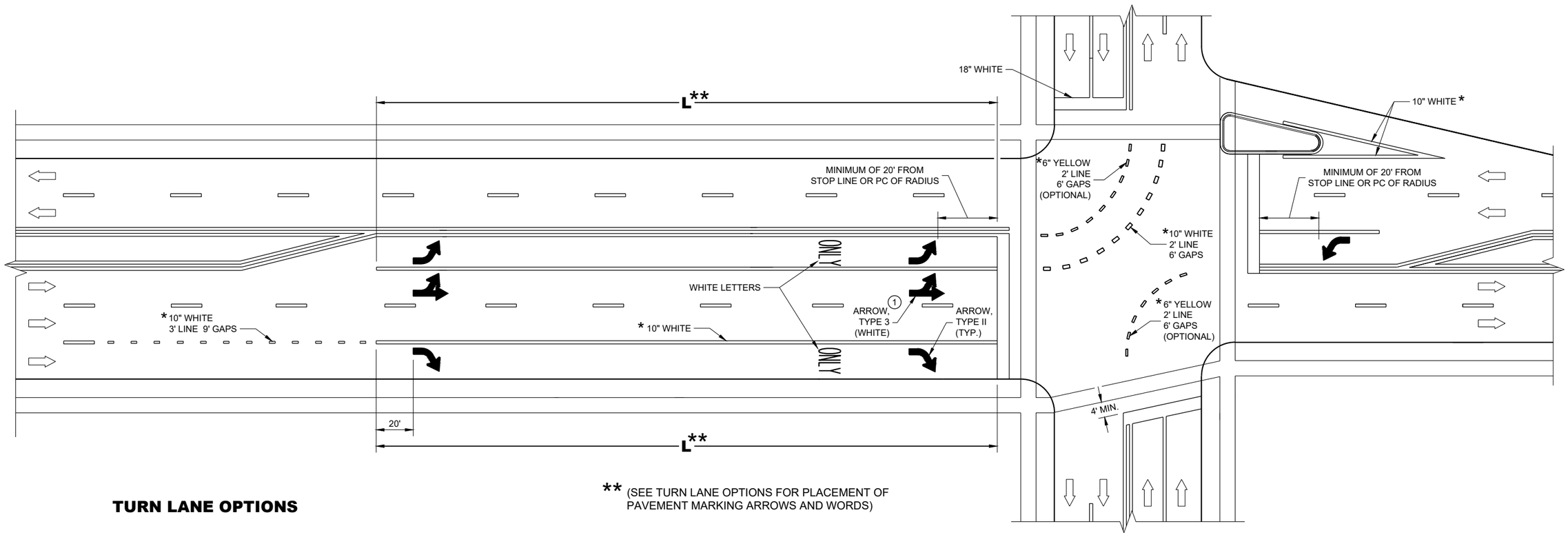
SDD 15C08-23c

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA· 334

6

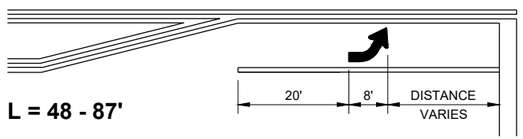
SDD 15C08-23c



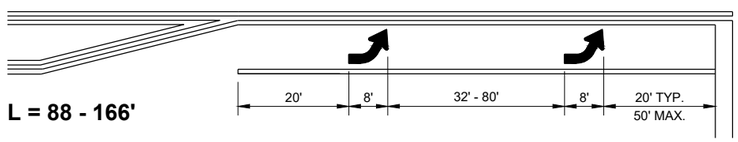
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

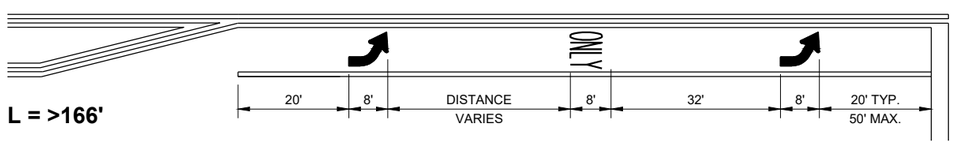
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

(1) 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

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

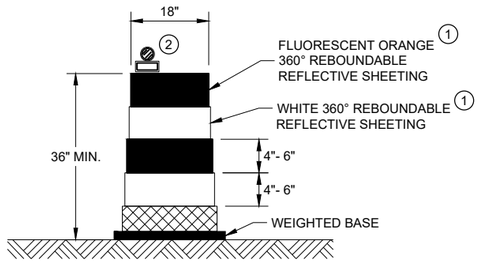
PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 15C08-23d

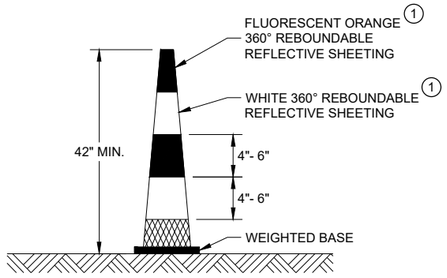
GENERAL NOTES

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

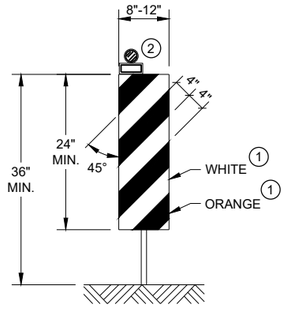
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

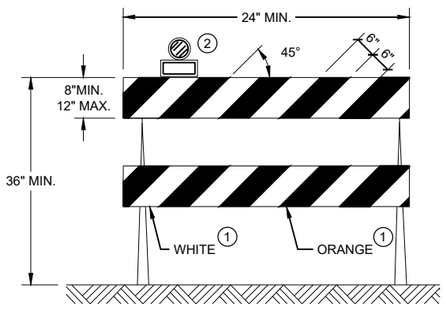
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



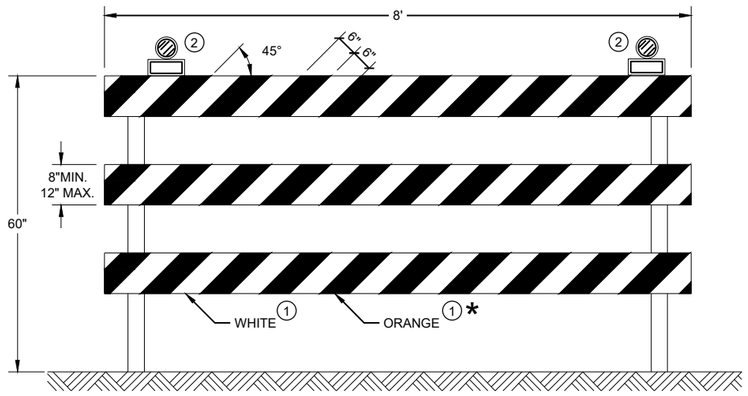
VERTICAL PANEL

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
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C11 - 10b

6

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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.

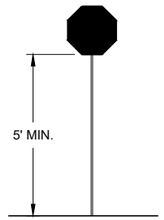
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM 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

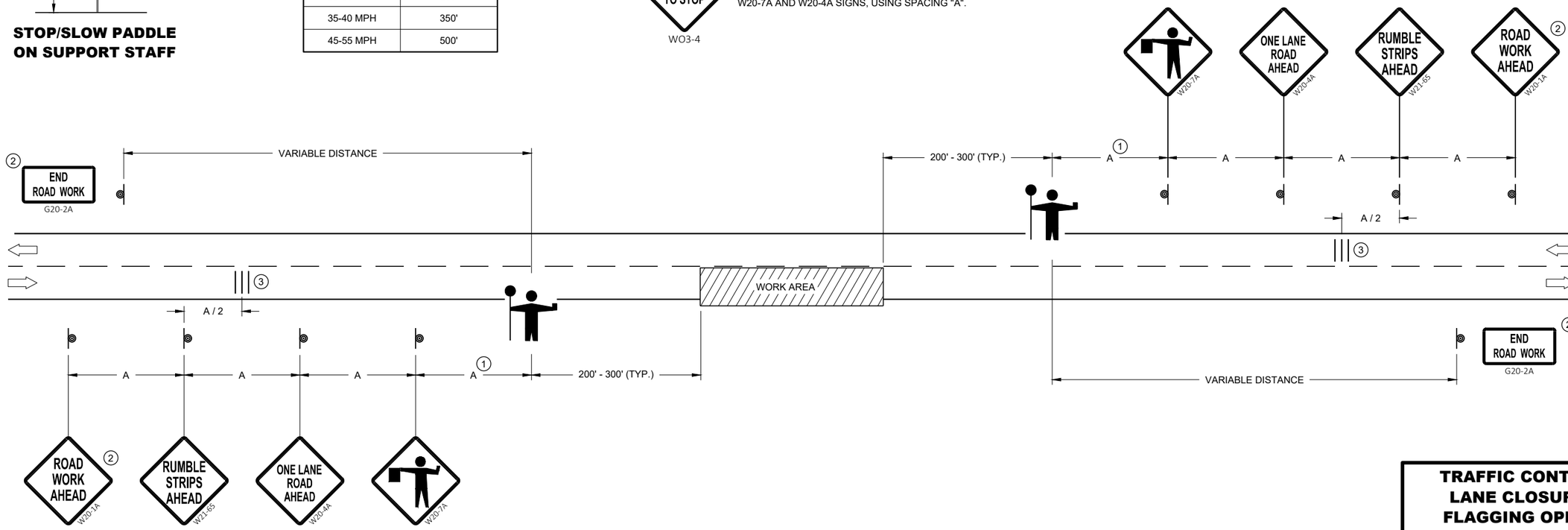
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

337

6

SDD 15C12 - 09a

6

SDD 15C12 - 09a

GENERAL NOTES

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL CONE 42-INCH

TRAFFIC CONTROL DRUM

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

AFAD — AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD)

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

IF THE AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD) STOPS WORKING, 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.

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.

(1) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

(2) IF FLAGGERS ARE PHYSICALLY NEEDED TO FLAG, REPLACE WO3-4 SIGNS WITH W20-7A SIGNS.

TEMPORARY PORTABLE RUMBLE STRIPS

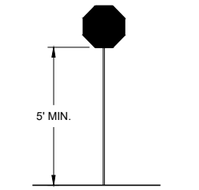
UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

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.

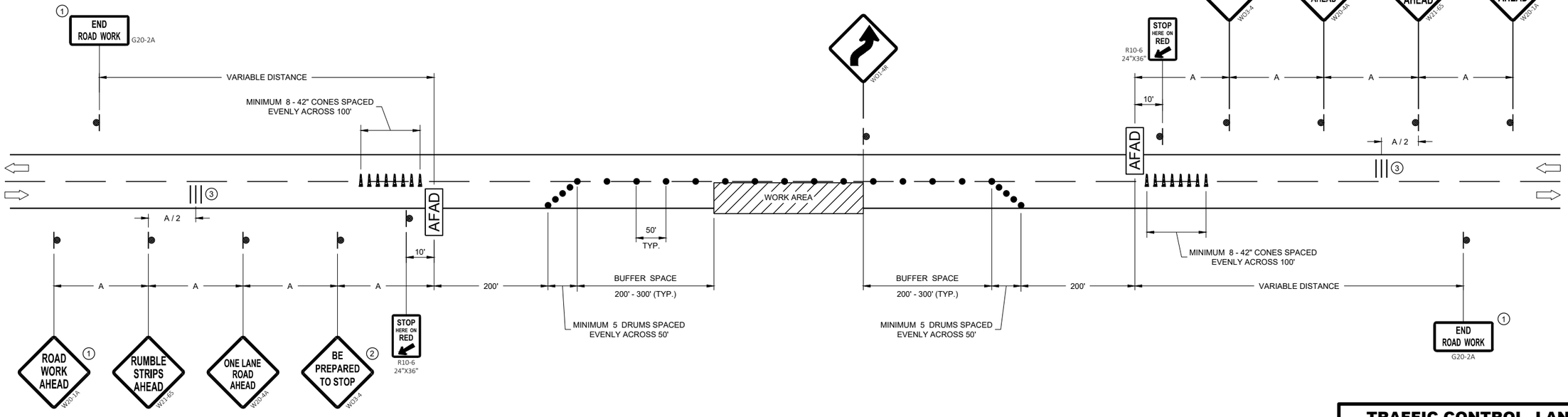
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSELY AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER.



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'



TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

SDD 15C12 - 09b

SDD 15C12 - 09b

LEGEND

V1 LEAD VEHICLE

V2 MARKING VEHICLE

V3 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

FLASHING ARROW PANEL (CAUTION)

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

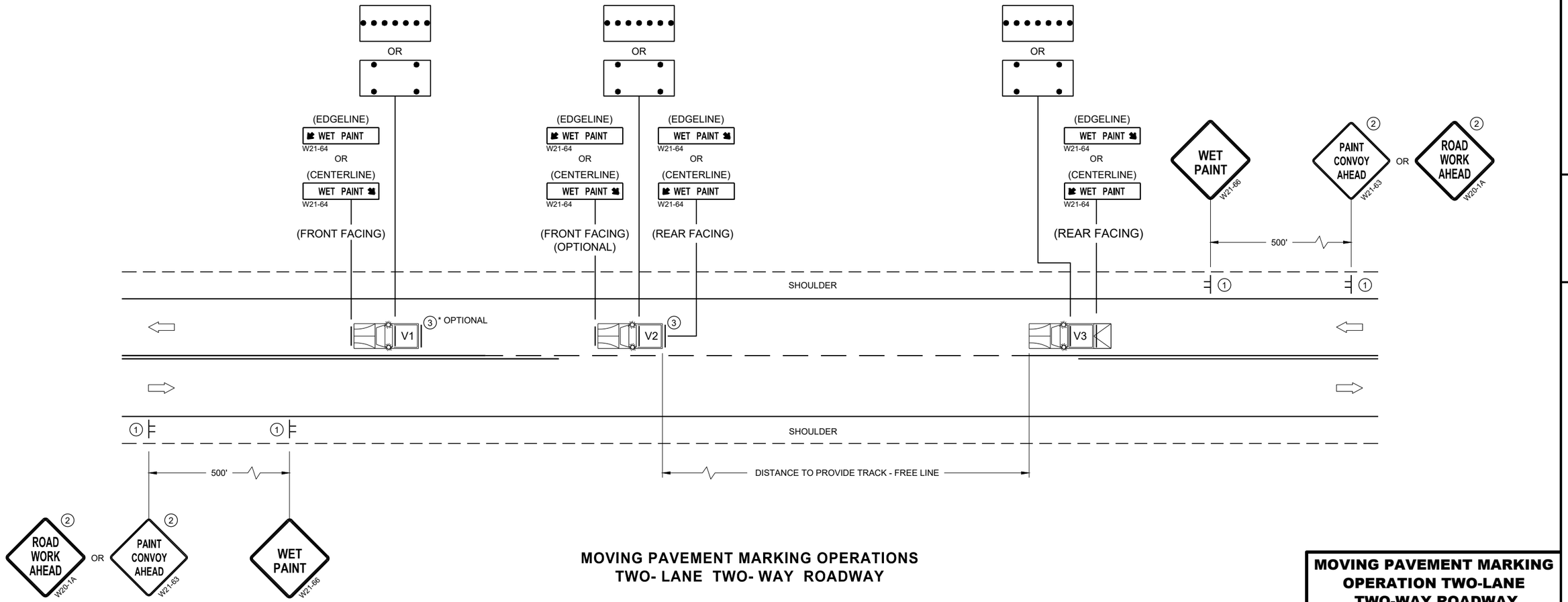
THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM OF 28" FOR WET PAVEMENT MARKING .

1. SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.
2. IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.
3. V1 AND V2 CAN BE SWITCHED SO THAT THE MARKER IS THE LEAD VEHICLE.



MOVING PAVEMENT MARKING OPERATIONS
TWO- LANE TWO- WAY ROADWAY

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023
DATE

/S/ Andrew I
WORK ZONE EN

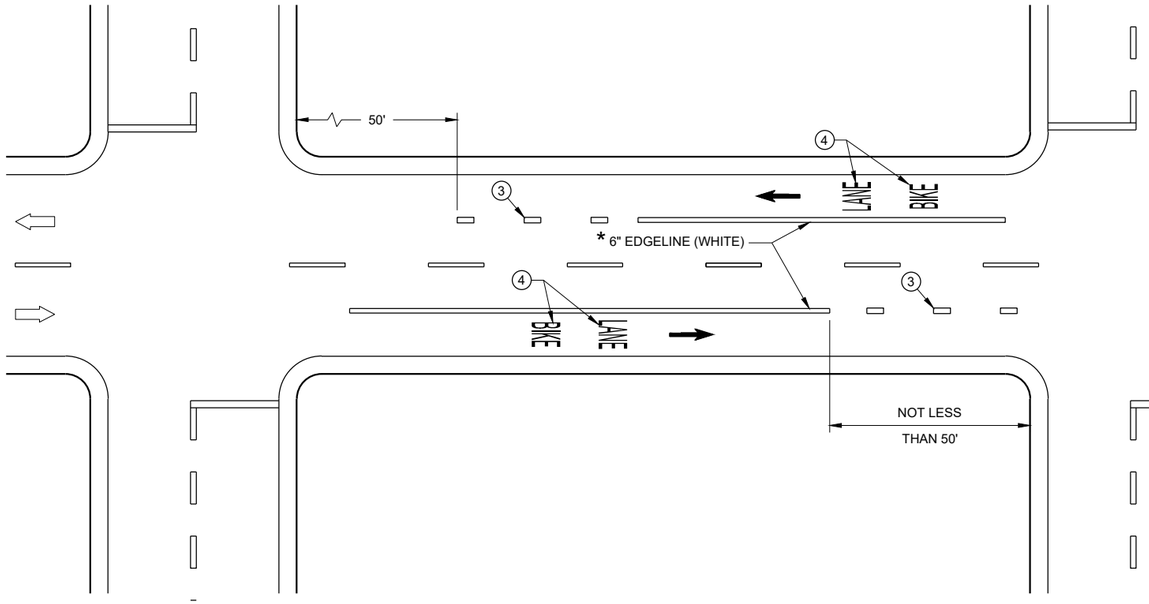
FHWA

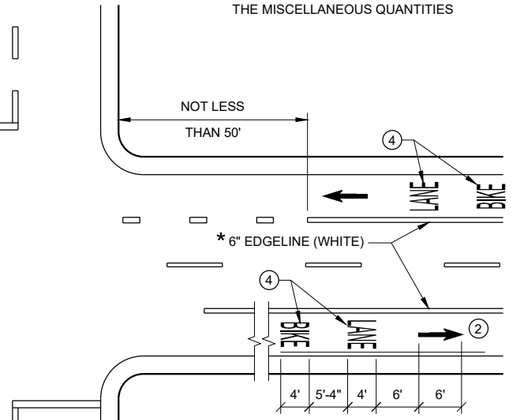
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SDD 15C19-08a

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SDD 15C19-08a





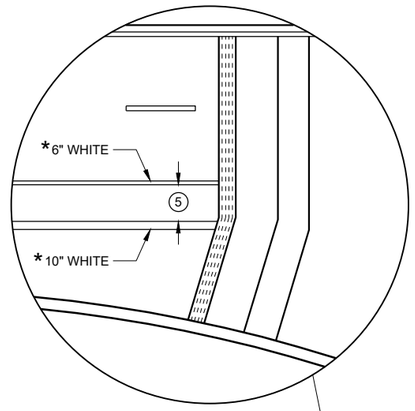
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

GENERAL NOTES

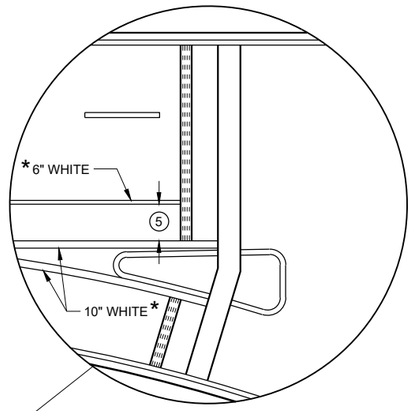
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. BIKE SYMBOLS OR WORDS MAY BE USED.
5. BIKE ACCOMMODATION IS TYPICAL 5 FEET WIDE AND MINIMUM OF 4 FEET FROM A LONGITUDINAL JOINT. USE 5 FEET AT ≥ 45 MPH.
6. OMIT THESE MARKINGS FOR WIDER TURN LANE APPLICATIONS (MINIMUM OF 15 FOOT WIDE TURN LANE).
7. REFER TO CONTRACT PLANS FOR LANE WIDTH.

DIRECTION OF TRAVEL

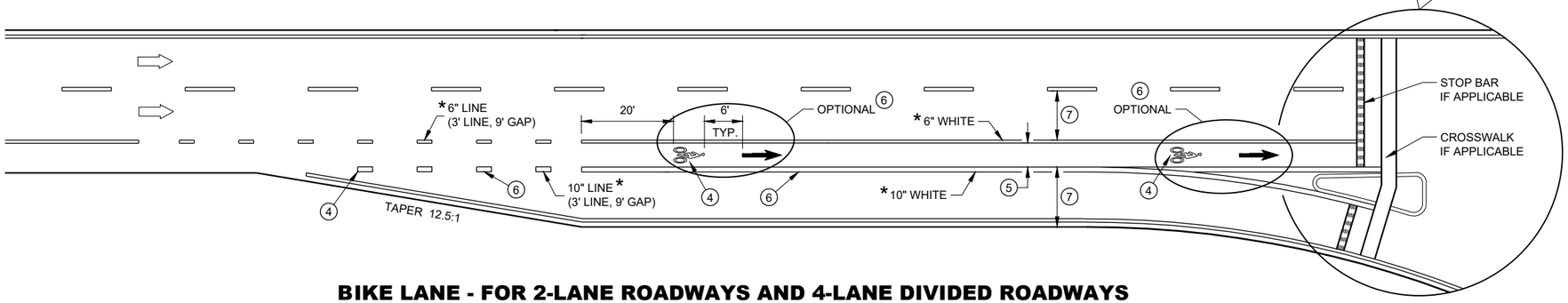
DESIGNATED BIKE LANE - NO PARKING



4 LANE DIVIDED WITHOUT ISLAND



4 LANE DIVIDED WITH ISLAND



BIKE LANE - FOR 2-LANE ROADWAYS AND 4-LANE DIVIDED ROADWAYS
(4-LANE DIVIDED WITH RIGHT TURN LANE SHOWN)

BIKE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER
FHWA

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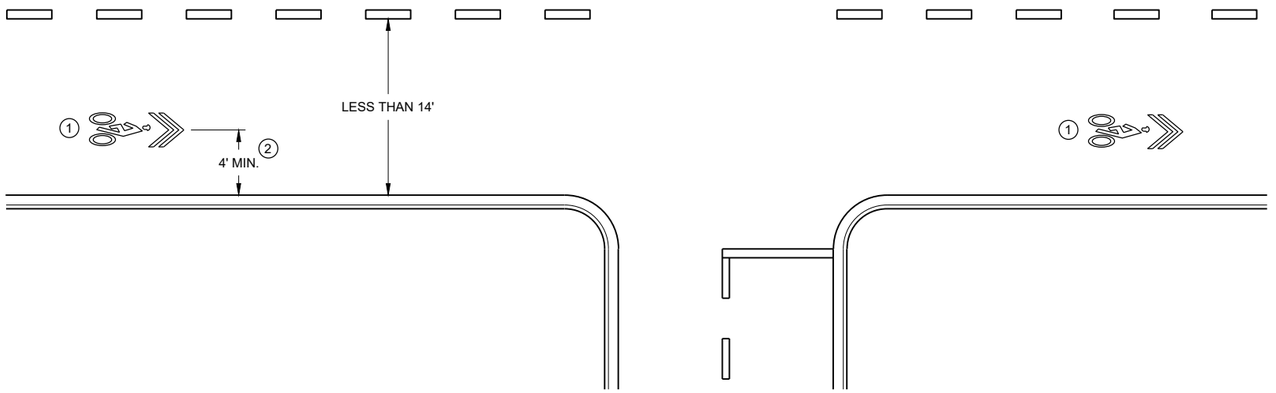
SDD 15C29-08a

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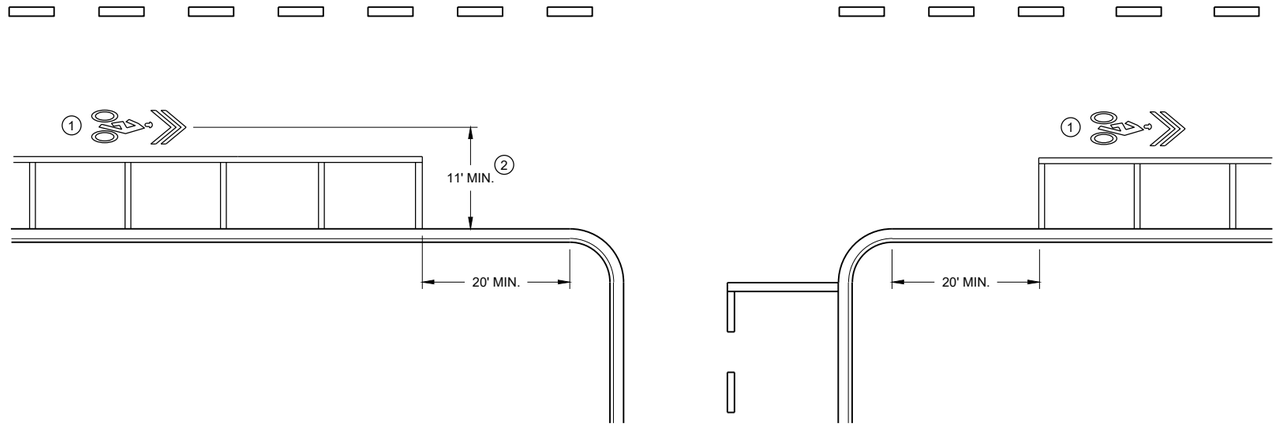
SDD 15C29-08a

GENERAL NOTES

1. MINIMUM OF ONE PER BLOCK, MAXIMUM OF 250 FEET.
2. OR TO EDGE OF PAVEMENT WITHOUT CURB.



WITHOUT PARKING



WITH PARKING

6

SDD 15C29-08b

PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2023
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

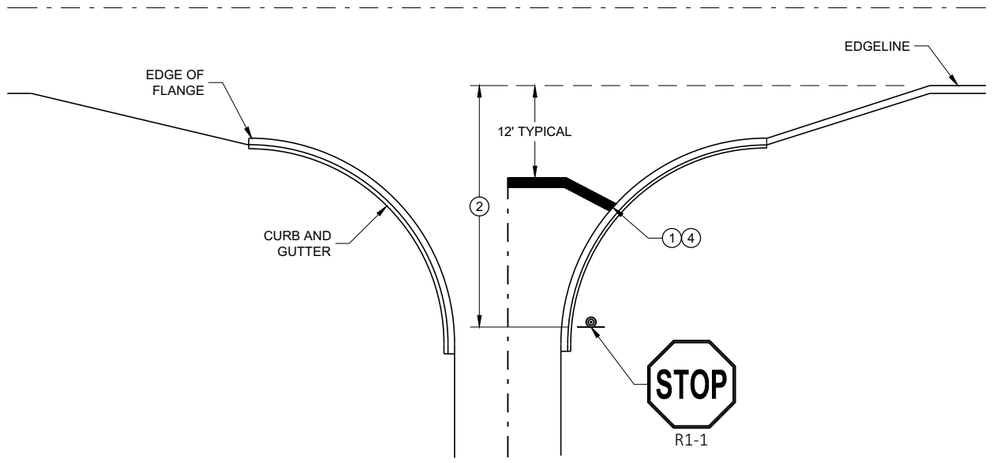
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SDD 15C29-08b

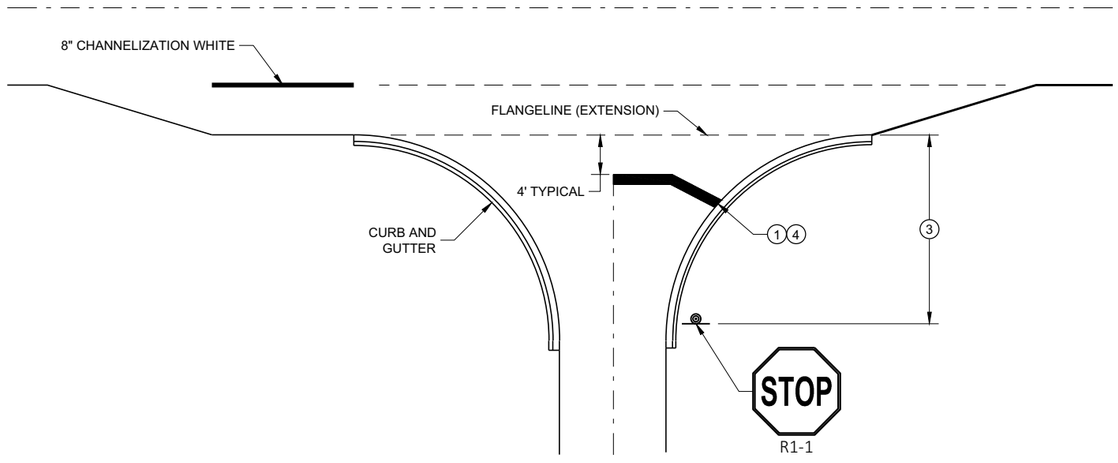
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

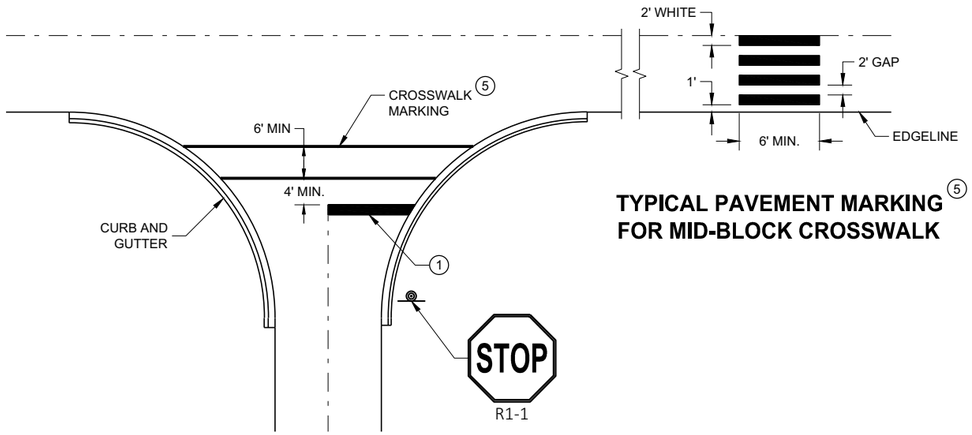
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE 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

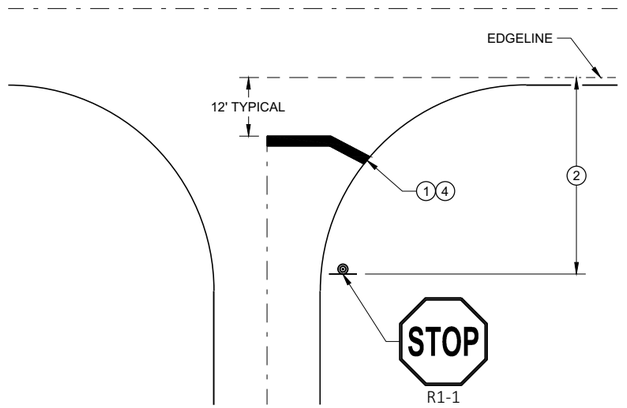


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING

TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5



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 MARKING ENGINEER
FHWA

SDD 15C33 - 04

SDD 15C33 - 04

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)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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 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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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 TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

DUE TO LACK OF SHOULDER/MEDIAN, ARROW BOARD IS PLACED AT THE THE END OF THE TAPER.

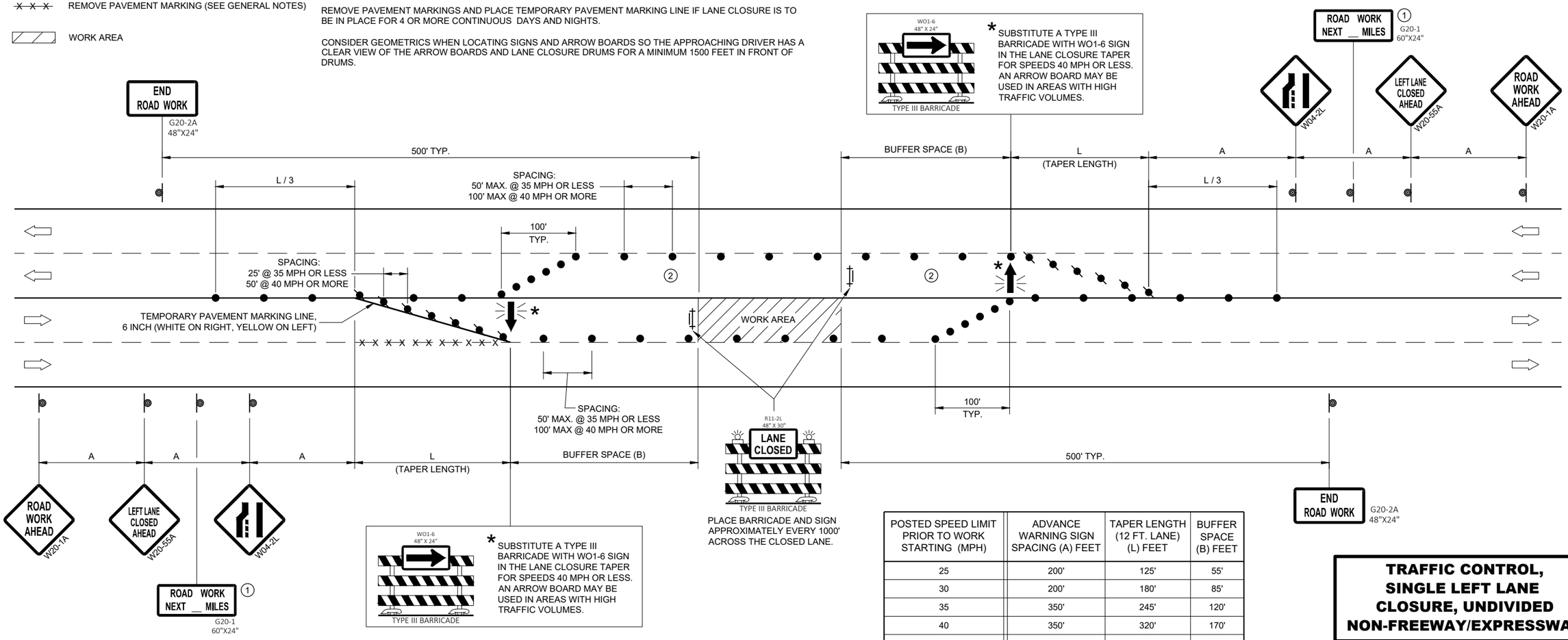
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) LANE MAY BE OPENED WHEN WORKERS ARE NOT PRESENT IN THE WORK AREA.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
55	500'	660'	335'

TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

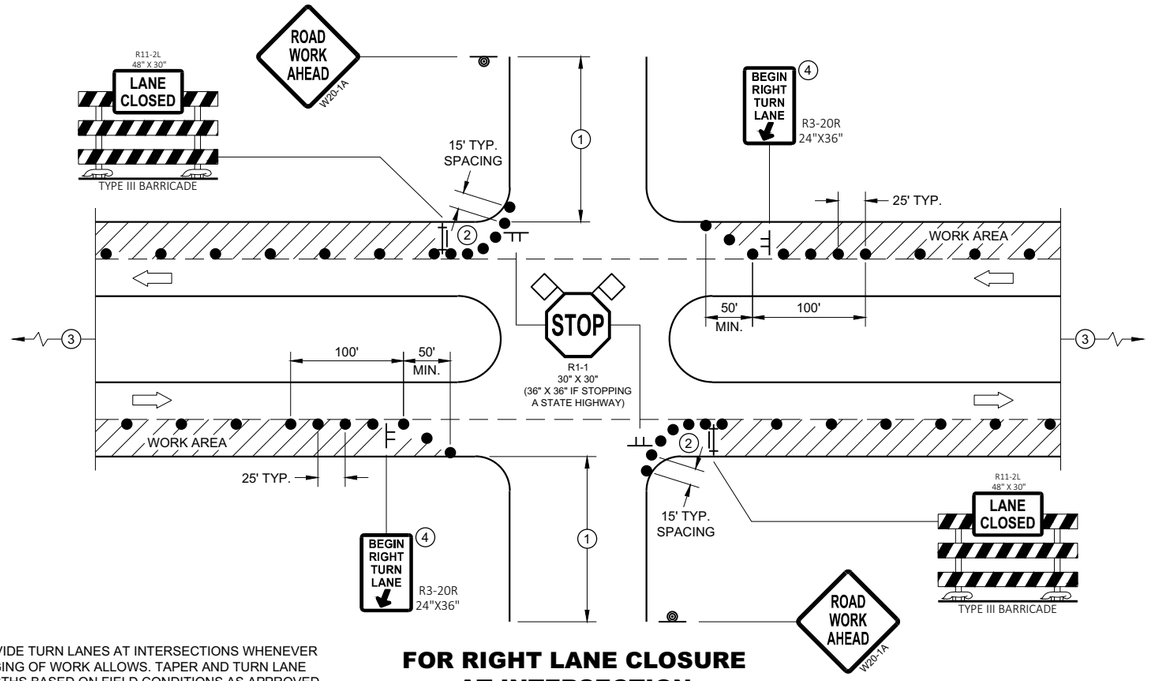
FHWA

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SDD 15D20-07c

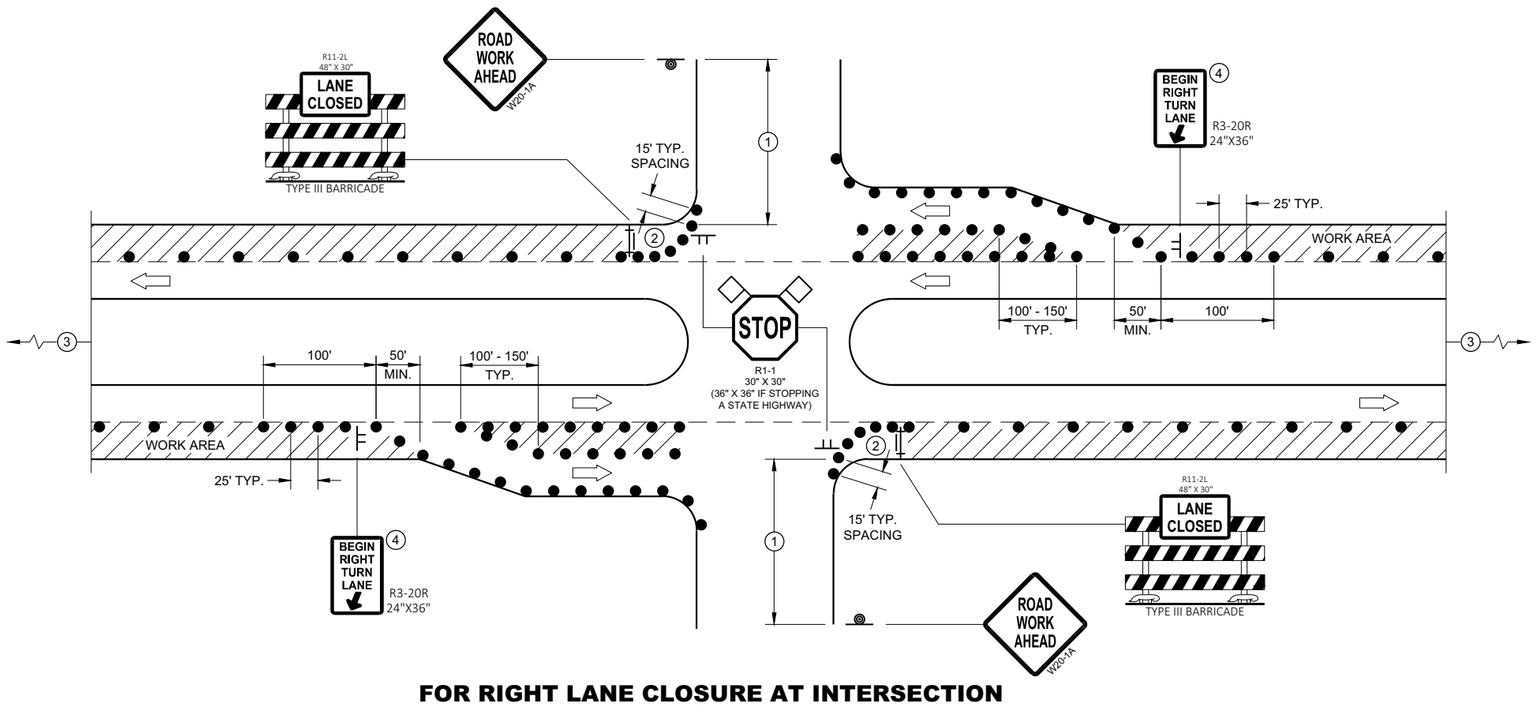
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SDD 15D20-07c



FOR RIGHT LANE CLOSURE AT INTERSECTION

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT 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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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 TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE 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.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

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.

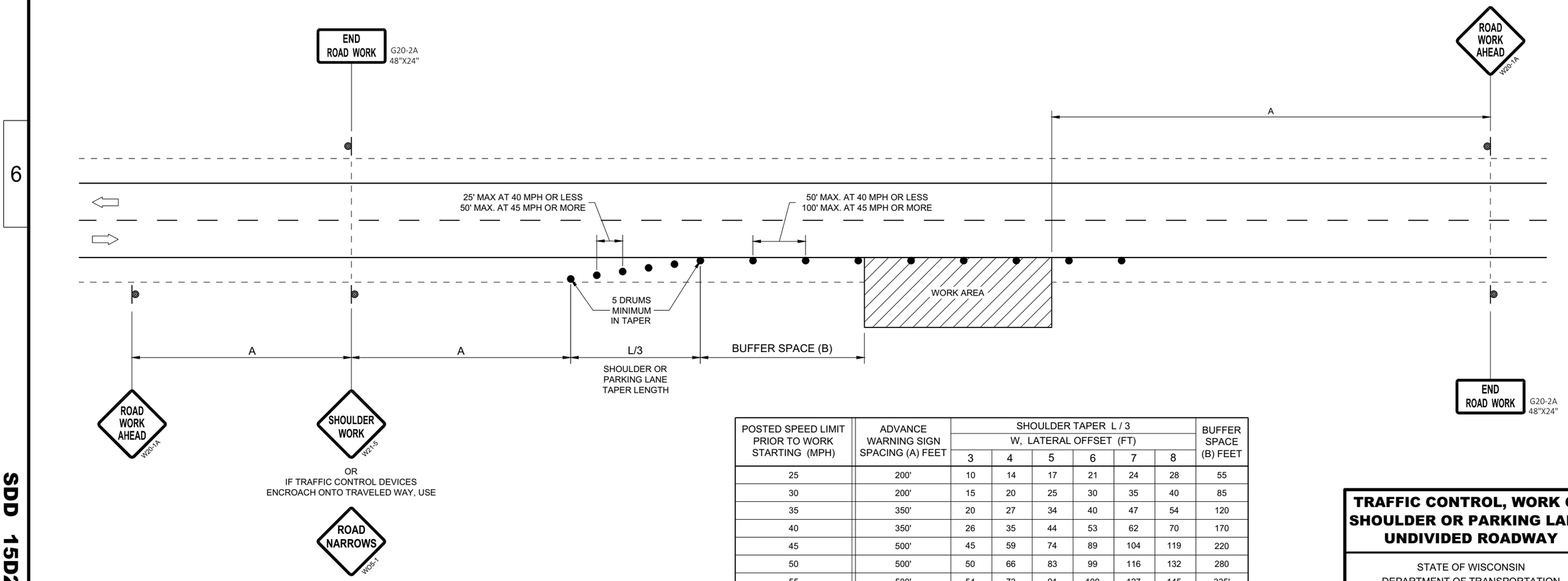
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET
0-30	200'
35-40	350'
45-55	500'

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

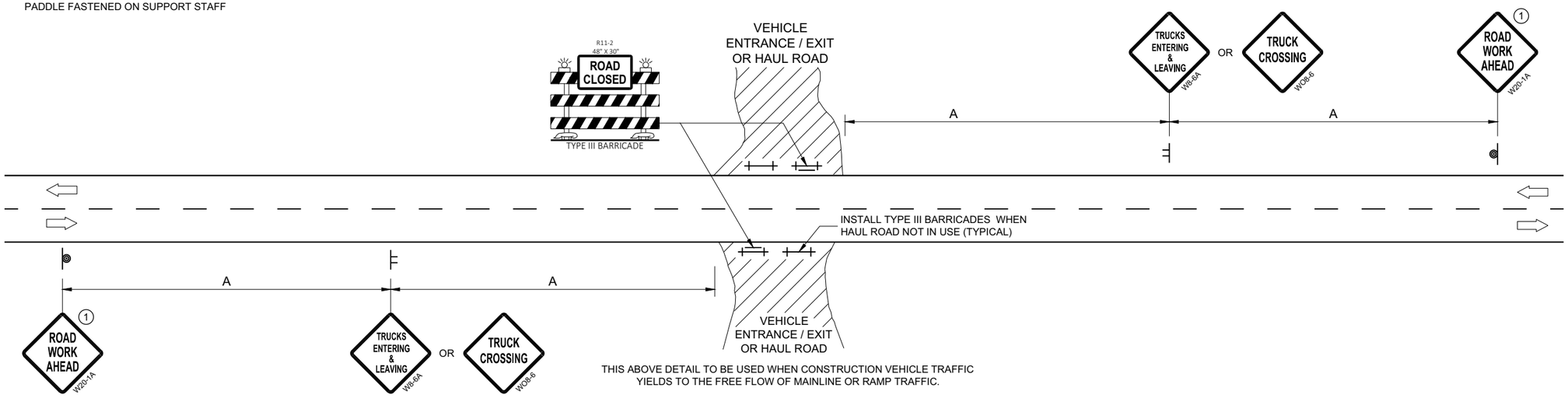
WARNING SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

WHEN ACTIVITY REFLECTED BY THE SIGN IS NOT CURRENTLY TAKING PLACE, THE HIGHWAY SHALL BE RESTORED TO NORMAL CONDITION AND THE SIGNS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC.

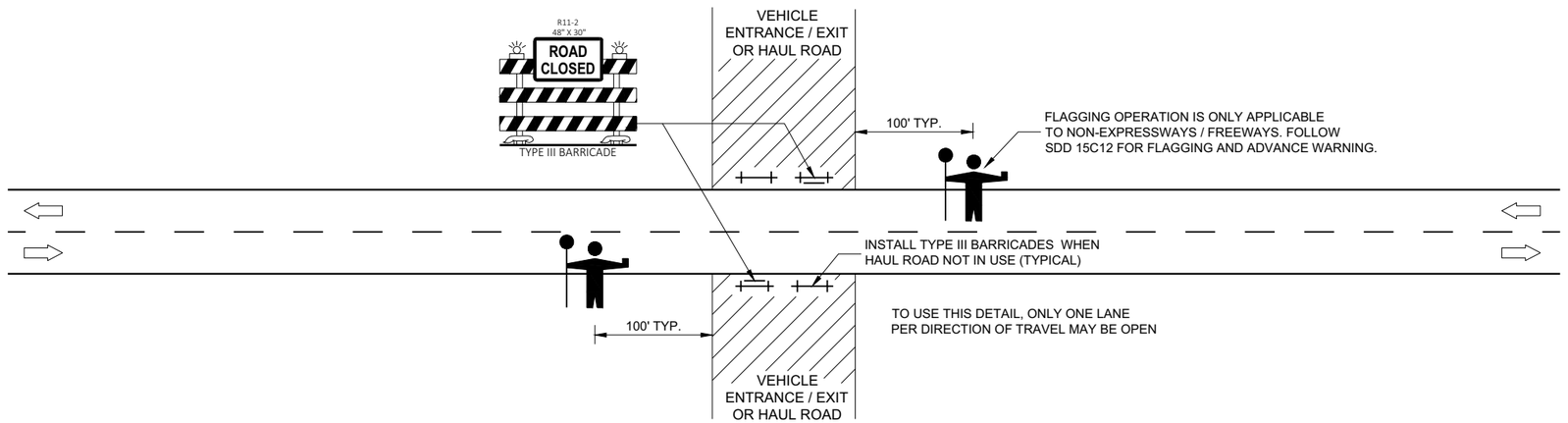
WHEN A SIDE ROAD OR RAMP INTERSECTS WITHIN THE ADVANCE SIGNING AREA, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND / OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

PLACE SIGNS ON BOTH SIDES IF USED ON DIVIDED HIGHWAY.

(1) THESE SIGNS ARE TO BE USED ONLY WHEN VEHICLE ENTRANCE / EXIT CONDITIONS ARE SEPARATED BY MORE THAN TWO MILES FROM PREVIOUS WORK AREA OR SIGNING OR AS DIRECTED BY THE ENGINEER.



THIS ABOVE DETAIL TO BE USED WHEN CONSTRUCTION VEHICLE TRAFFIC YIELDS TO THE FREE FLOW OF MAINLINE OR RAMP TRAFFIC.



TO USE THIS DETAIL, ONLY ONE LANE PER DIRECTION OF TRAVEL MAY BE OPEN

THIS DETAIL TO BE USED WHEN CONSTRUCTION WORK INCLUDING TRUCKING ACTIVITY REQUIRES MAINLINE TRAFFIC TO BE TEMPORARILY STOPPED IN ONE OR BOTH DIRECTIONS. DELAY TO HIGHWAY TRAFFIC SHALL BE MINIMIZED.

TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15D29 - 06

GENERAL NOTES

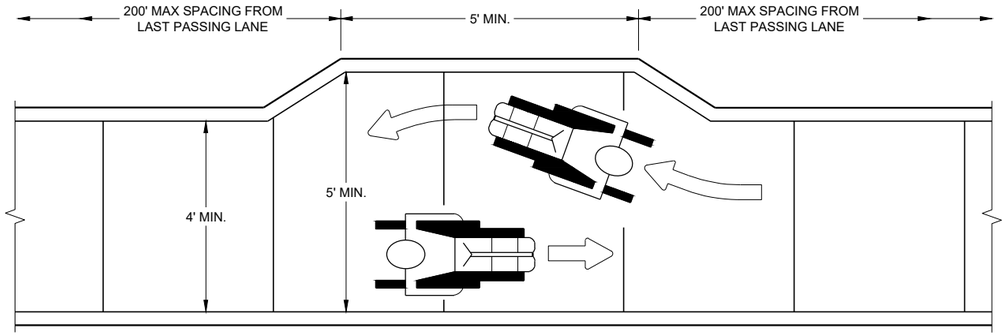
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

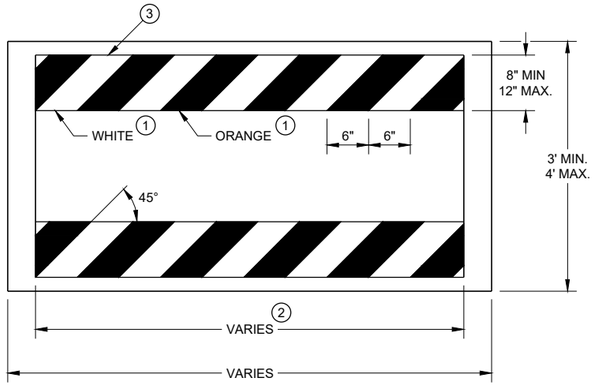
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

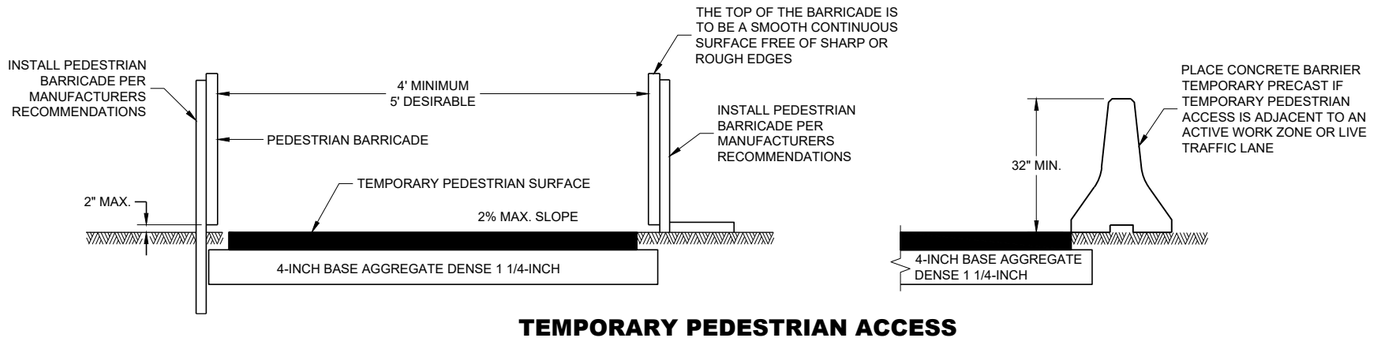
* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN BARRICADE*

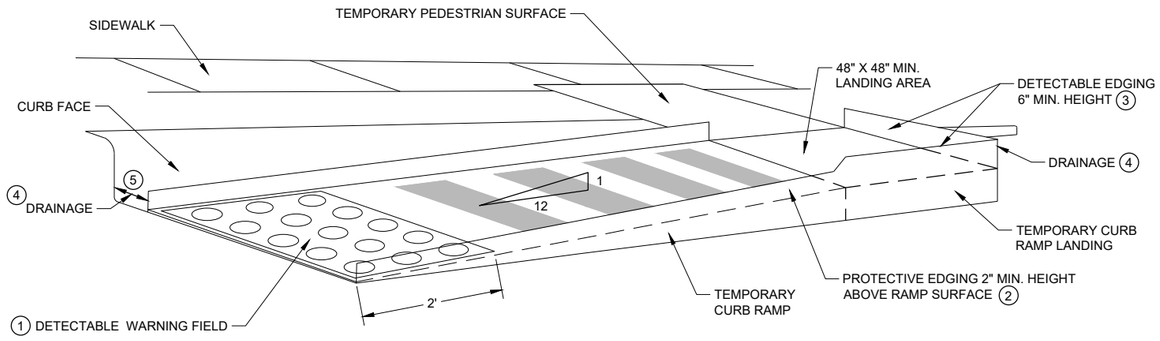


TEMPORARY PEDESTRIAN ACCESS

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

SDD 15D30 - 09a



PERSPECTIVE VIEW

GENERAL NOTES

CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS.

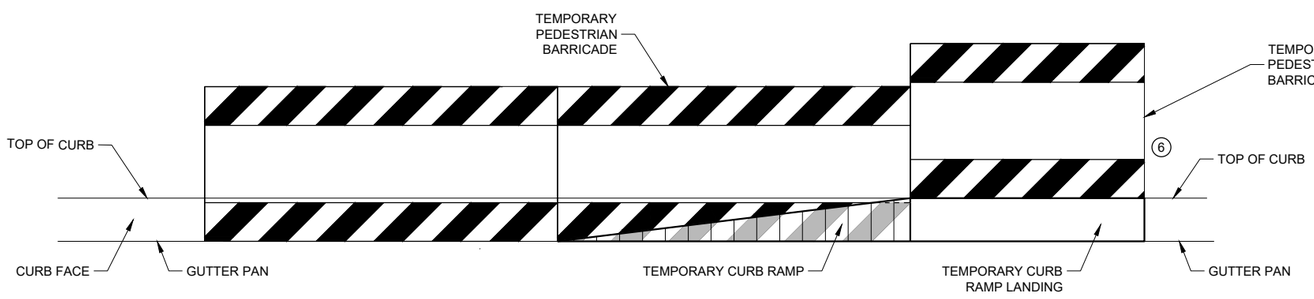
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

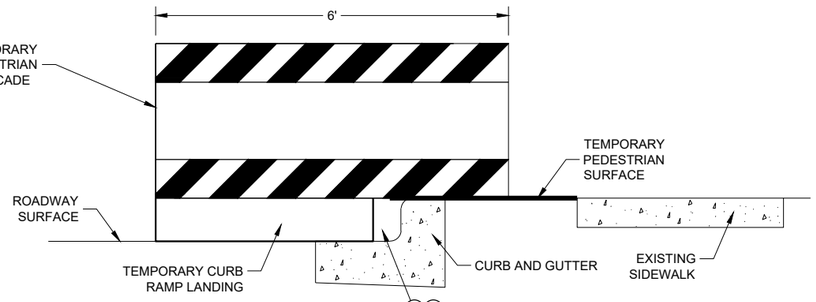
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) ENSURE CURB RAMP IS OUT OF THE GUTTER PAN.

(6) IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.



FRONT VIEW



SIDE VIEW

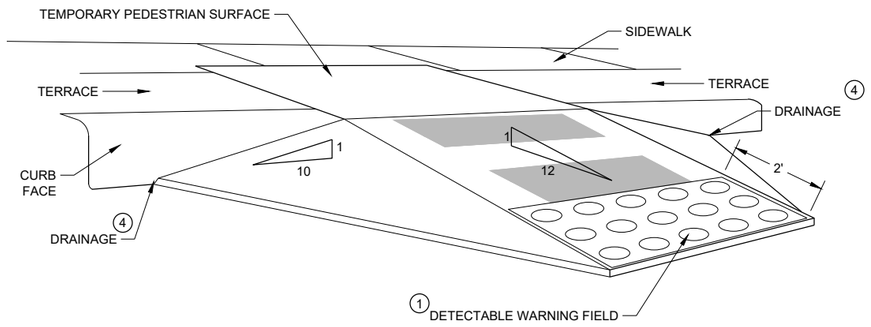
TEMPORARY CURB RAMP PARALLEL TO CURB

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

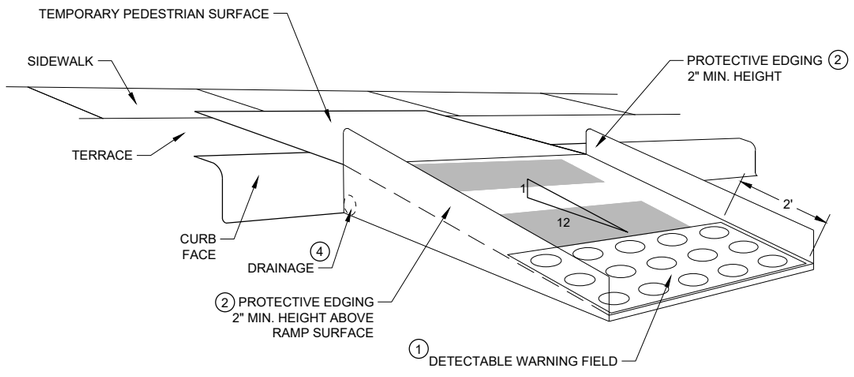
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 09b



WITH SIDE APRON (5)



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

CURB RAMPS SHALL BE 48" MINIMUM WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS

(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) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

6

SDD 15D30 - 09c

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

GENERAL NOTES

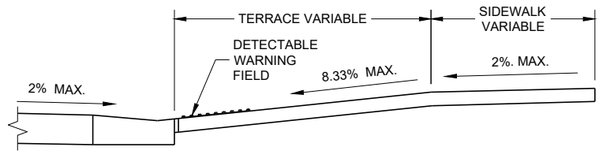
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

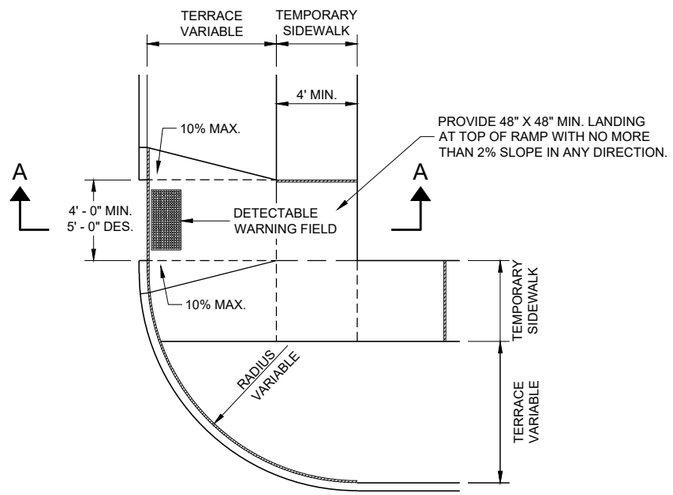
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



SECTION A - A



PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

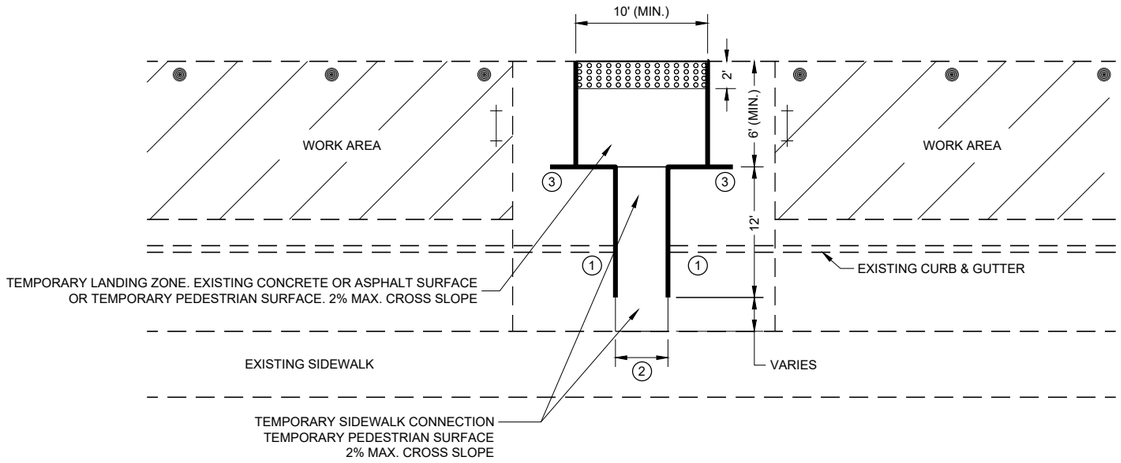
APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

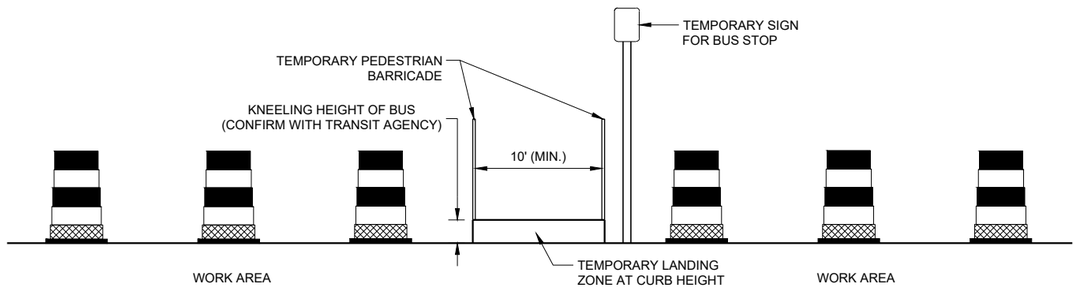
FHWA

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SDD 15D30-09d



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

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.

DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

(1) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(2) 5' WIDE MIN. WITH TEMPORARY PEDESTRIAN BARRICADE, 10' WIDE MIN. WITHOUT TEMPORARY PEDESTRIAN BARRICADE.

(3) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE INTO THIS SPACE.

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY DETECTABLE WARNING FIELD
- WORK AREA

6

6

SDD 15D30 - 09e

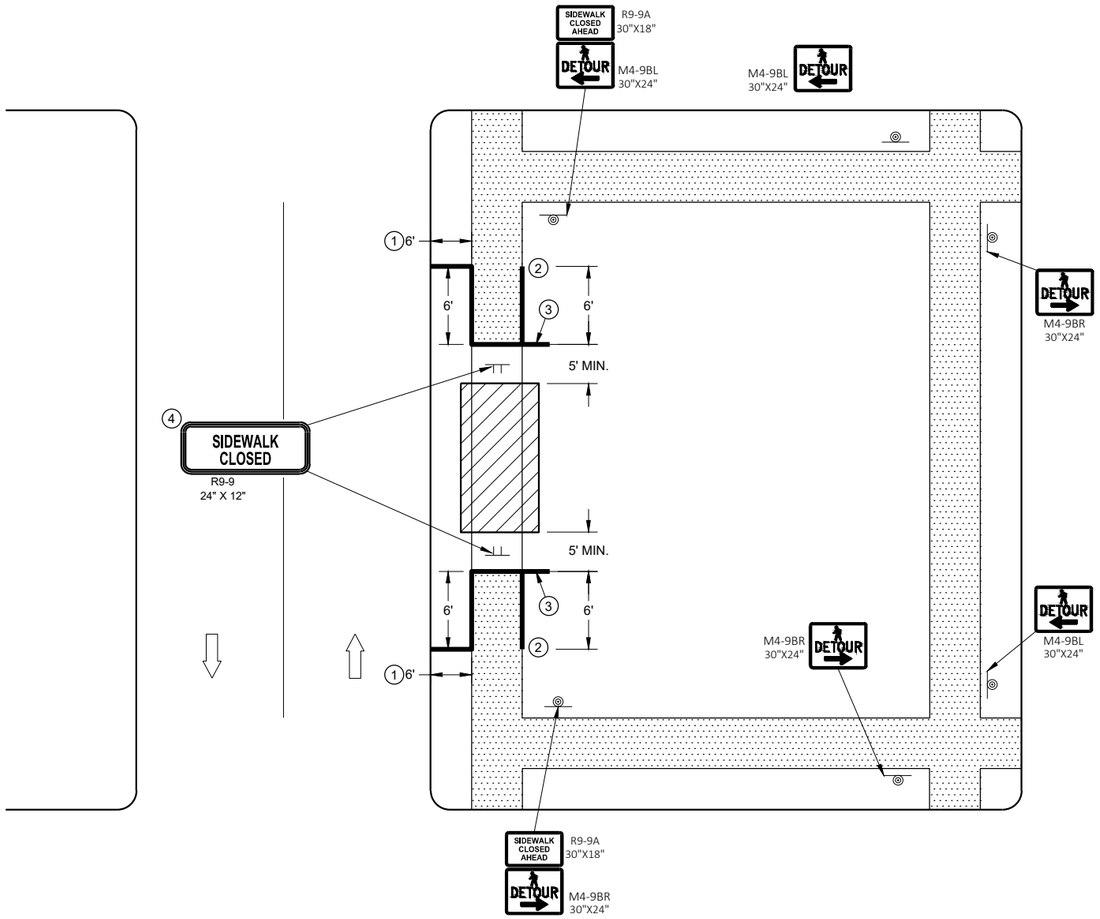
SDD 15D30 - 09e

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC



GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICTS WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

SIDEWALK DETOUR, SIDEWALK ONLY ON ONE SIDE

LEGEND

- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY PEDESTRIAN SURFACE
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

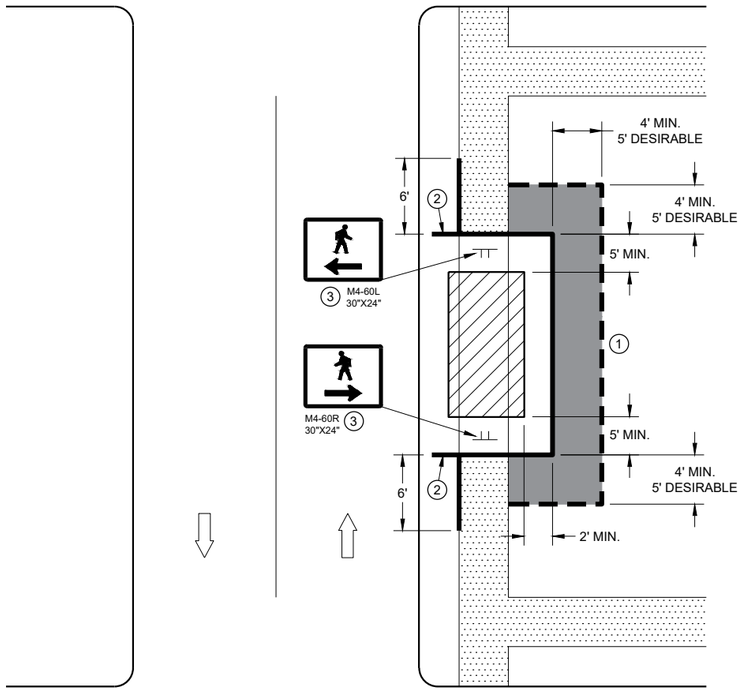
TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

1. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
2. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
3. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.



SIDEWALK DIVERSION
SINGLE SIDE

6

SDD 15D30 - 09g

6

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TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

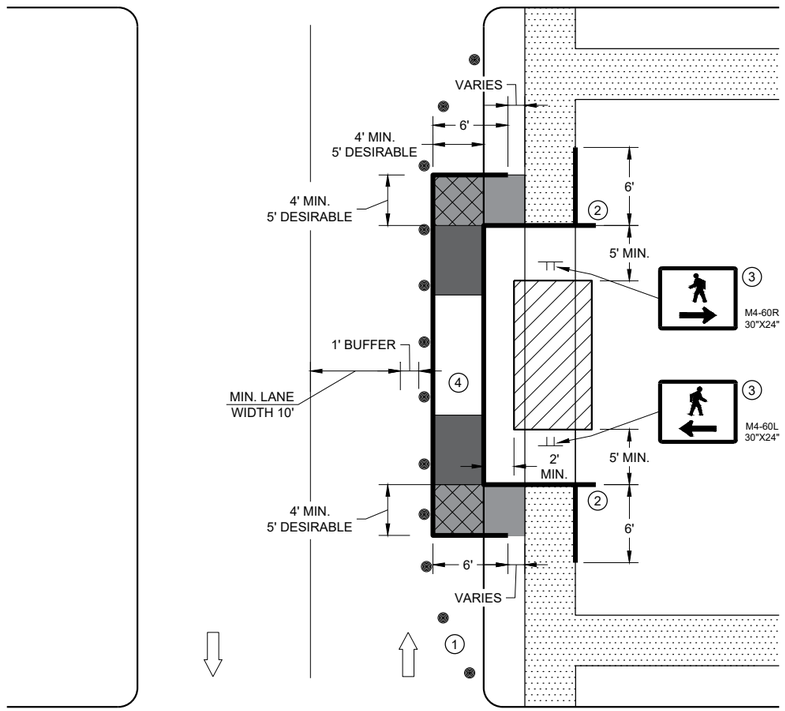
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND BUFFER SPACE REQUIRED.

(2) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.

(3) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

(4) USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE.

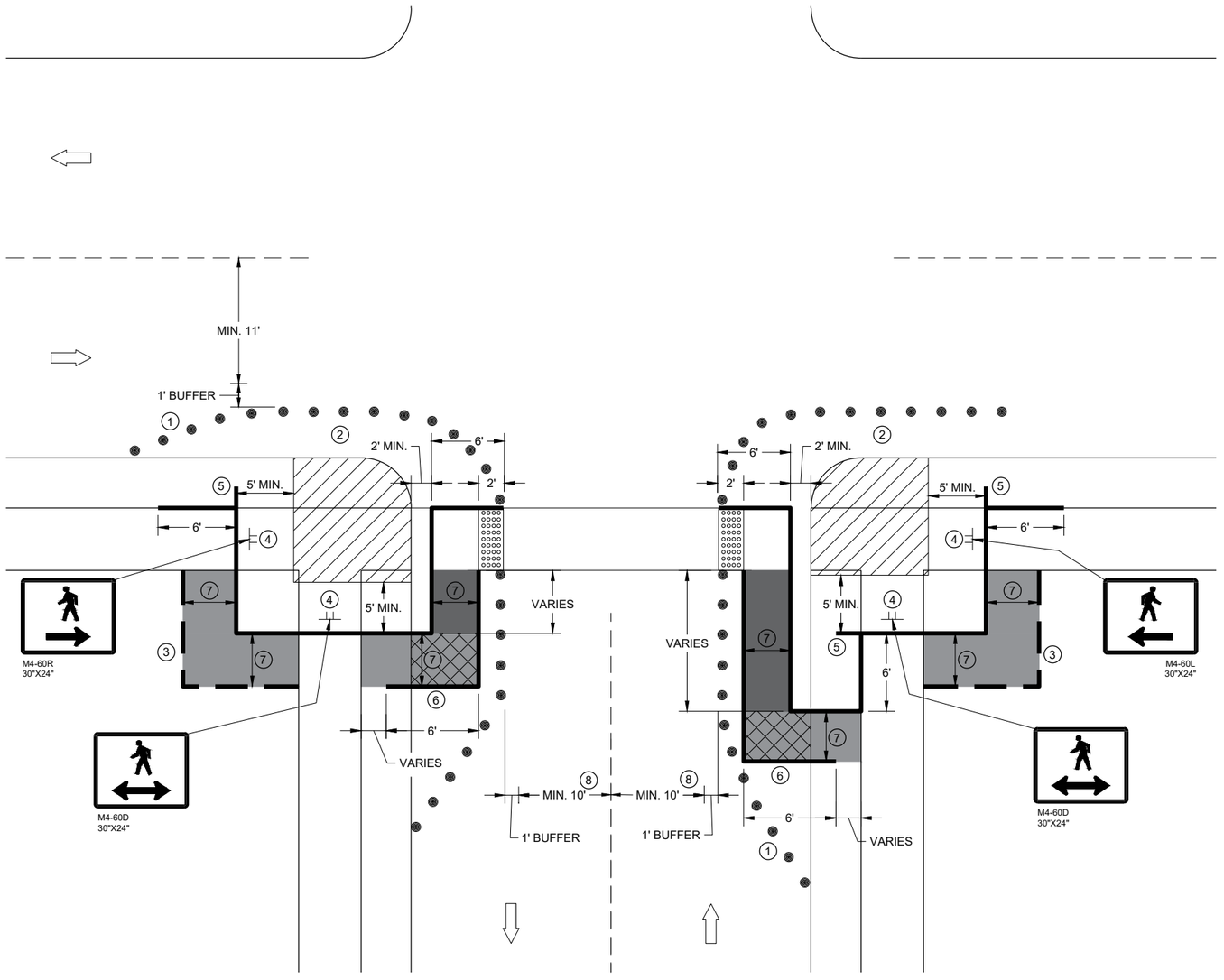


SIDEWALK DIVERSION, SINGLE SIDE

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

SDD 15D30 - 09h



CURB RAMP PEDESTRIAN TRAFFIC CONTROL
SIDEWALK ON SINGLE SIDE

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

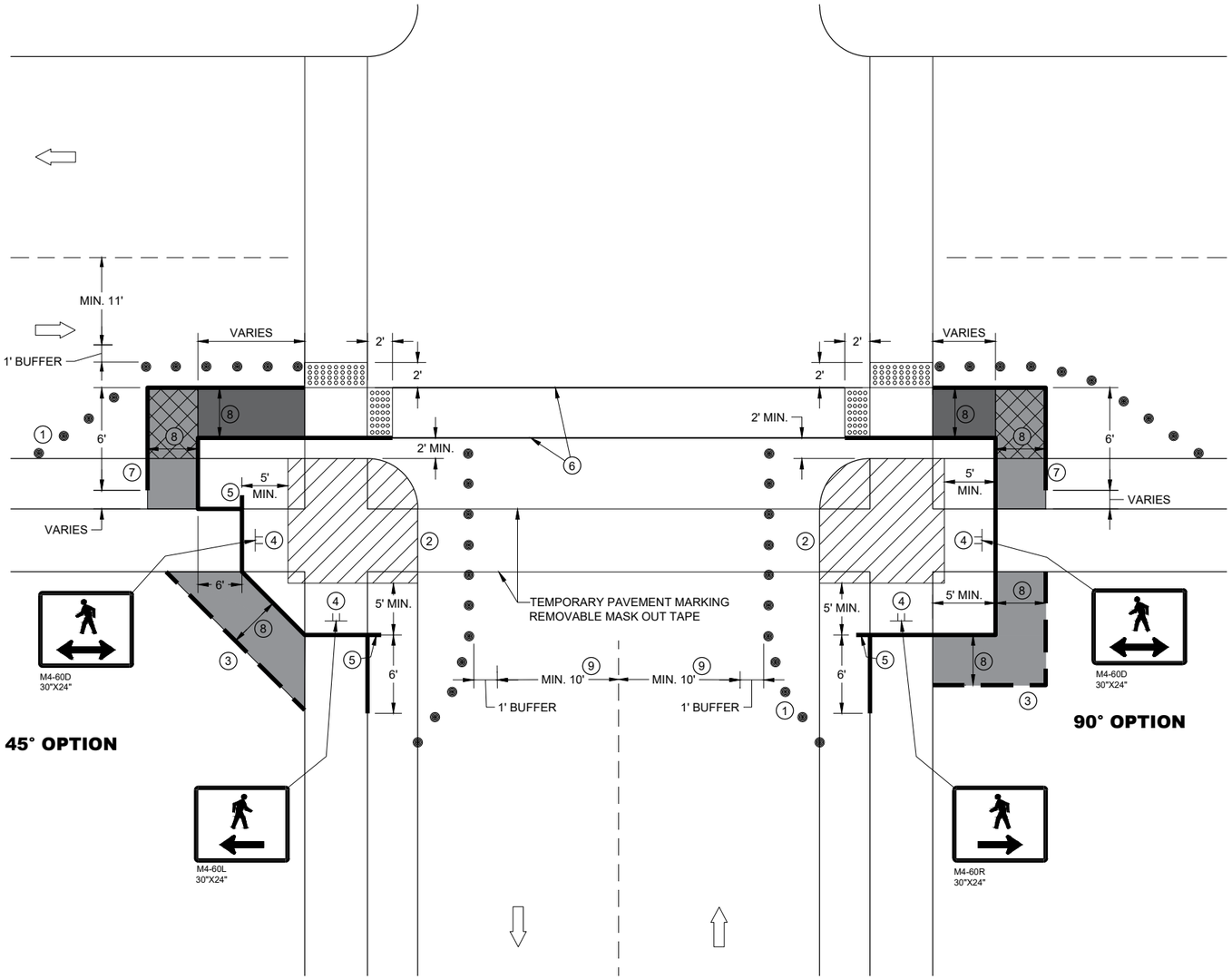
WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
5. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
6. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
7. 4 FEET MINIMUM, 5 FEET DESIRABLE
8. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION



CURB RAMP PEDESTRIAN TRAFFIC CONTROL

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
5. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
6. WHITE 6" TEMPORARY PAVEMENT MARKING
7. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
8. 4 FEET MINIMUM, 5 FEET DESIRABLE
9. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

SDD 15D30 - 09j

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LEGEND

SIGN ON PERMANENT SUPPORT

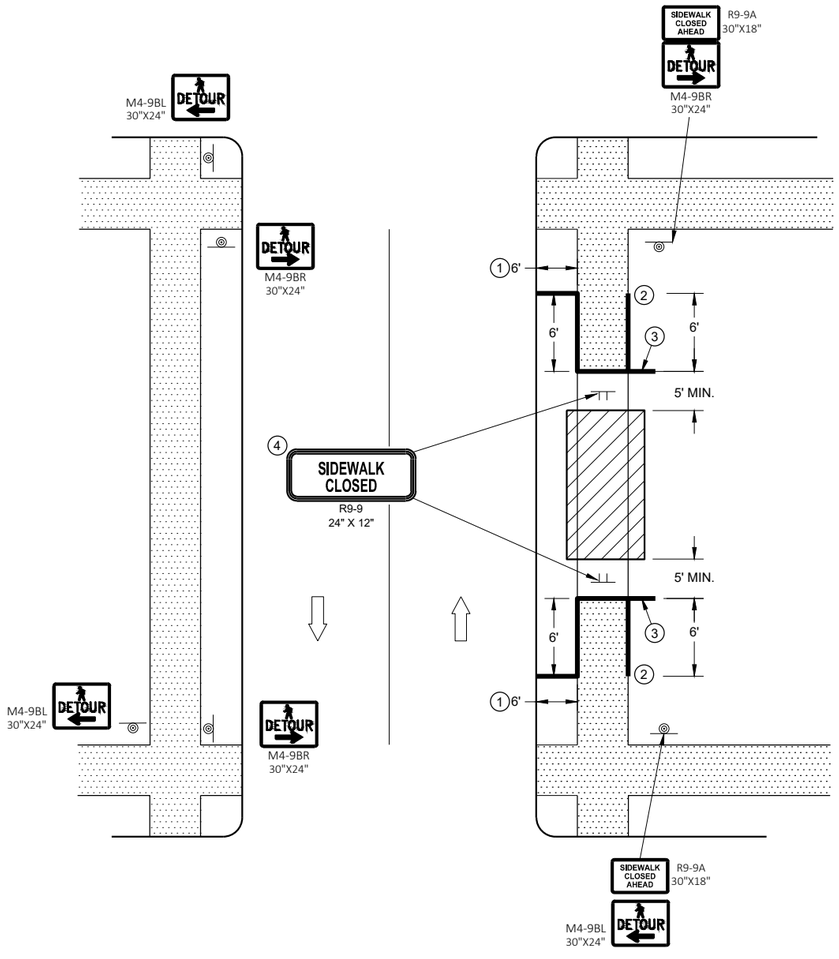
SIGN ON TEMPORARY SUPPORT

UNDER PEDESTRIAN TRAFFIC

WORK AREA

TEMPORARY PEDESTRIAN BARRICADE

DIRECTION OF TRAFFIC



SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

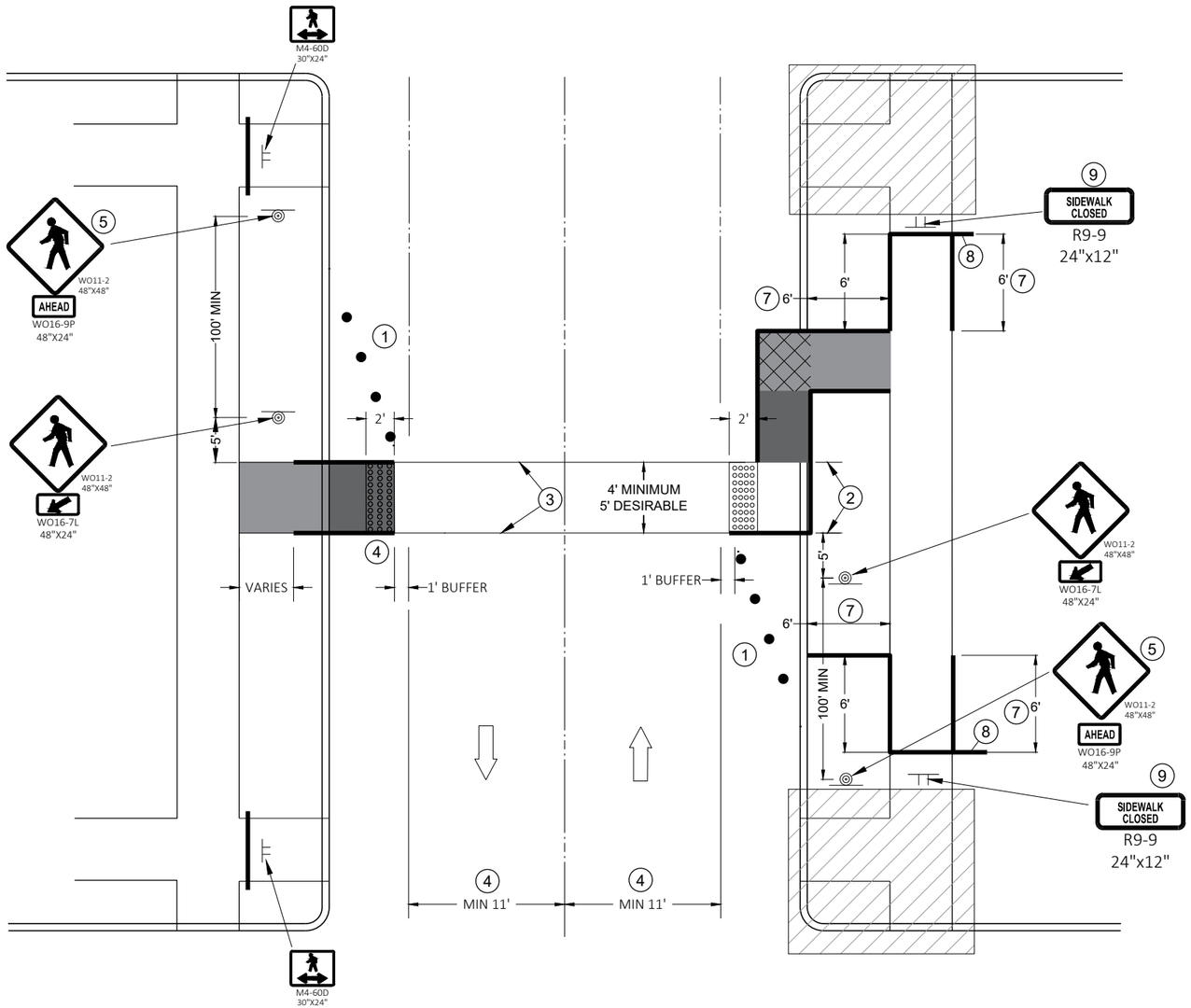
SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICT WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

6

SDD 15D30 - 09k



TEMPORARY PEDESTRIAN CROSSING

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

SEE OTHER PEDESTRIAN ACCOMMODATION DETAILS FOR SIGNING AND DEVICES FOR DIFFERENT PEDESTRIAN FACILITIES CLOSURES.

1. SHOULDER OR LANE CLOSURE ADVANCED WARNING AND PROPER BUFFER SPACE REQUIRED.
2. 4 FEET MINIMUM, 5 FEET DESIRABLE.
3. WHITE 6" TEMPORARY PAVEMENT MARKING.
4. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, PERPENDICULAR CURB RAMPS MAY NEED TO BE UTILIZED.
5. IF MINIMUM 100' SPACING FROM THE MID-BLOCK CROSSING CANNOT BE ATTAINED BEFORE THE INTERSECTION, REMOVE THIS SIGN ASSEMBLY.
6. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
7. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
8. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF THE EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
9. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF THE SIGN.

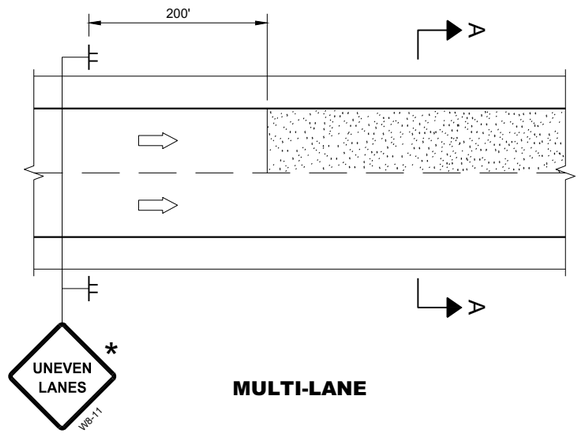
LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

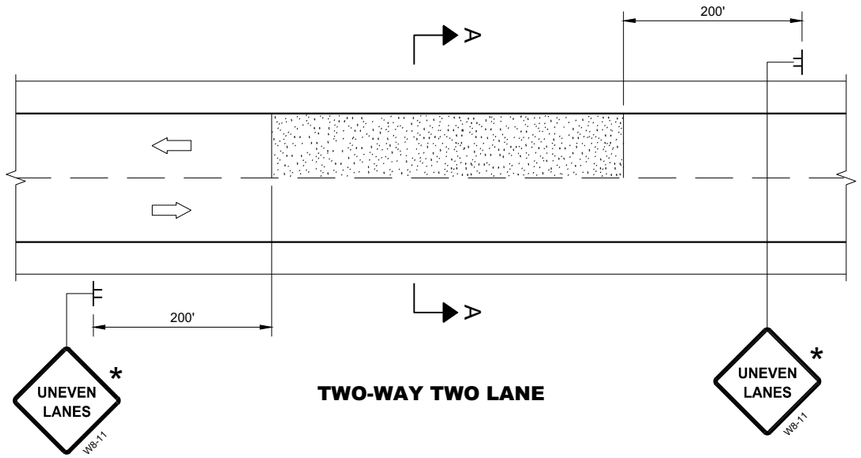
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TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

SDD 15D30 - 09L



MULTI-LANE



TWO-WAY TWO LANE

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

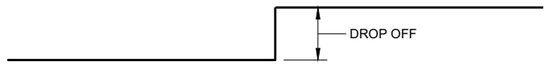
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

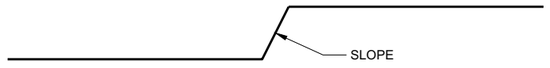
LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE

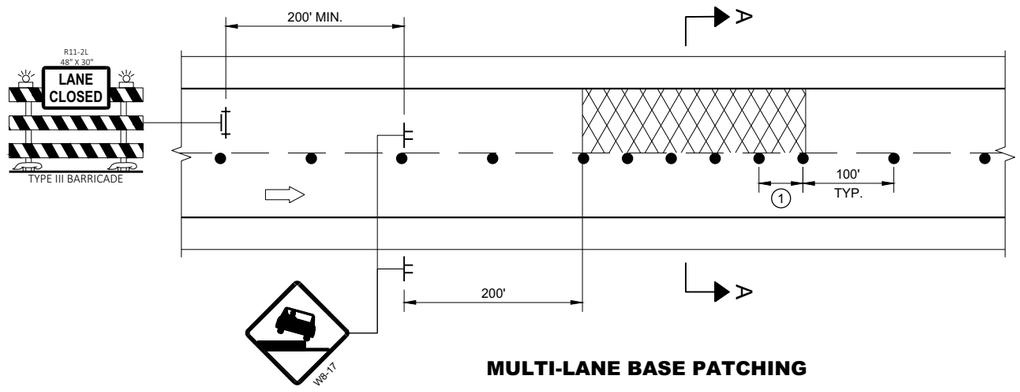


SECTION A - A

OR

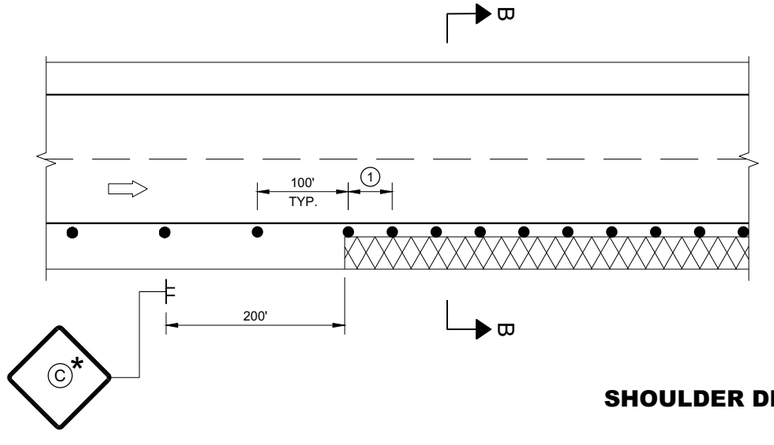


SECTION A - A

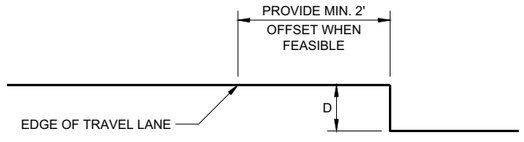


MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS



SHOULDER DROP-OFFS



SECTION B - B

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP - OFF W8-9A PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6
SDD 15D39 - 02

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					BUFFER SPACE (B) FEET
		10	11	12	13	14	
25	200	52	57	63	68	73	55
30	200	75	83	90	98	105	85
35	350	102	112	123	133	143	120
40	350	133	147	160	173	187	170
45	500	225	248	270	293	315	220

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) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" 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 AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

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 AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

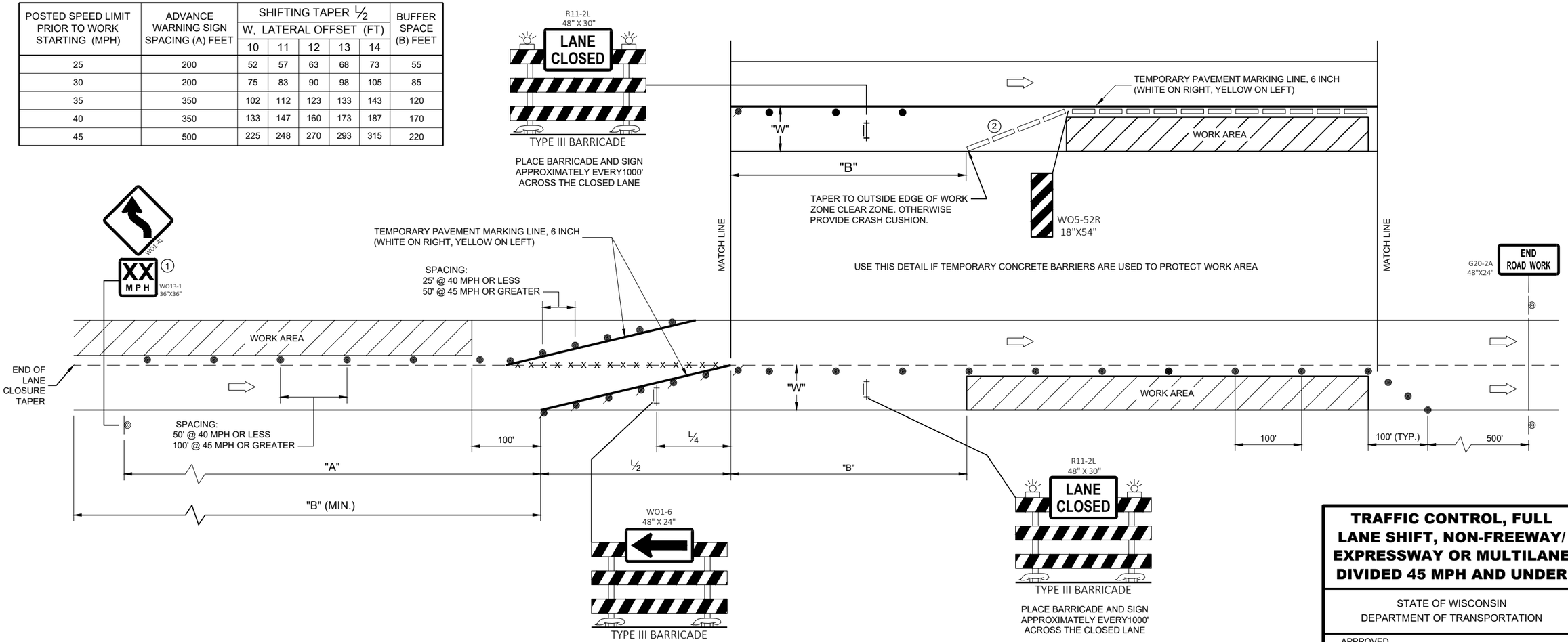
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT 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 1/2 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.

(1) USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(2) BARRIER FLARE RATE: 6:1 @ 40 MPH OR LESS
8:1 @ 45 MPH OR GREATER



TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D40-05a

6

SDD 15D40-05a

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

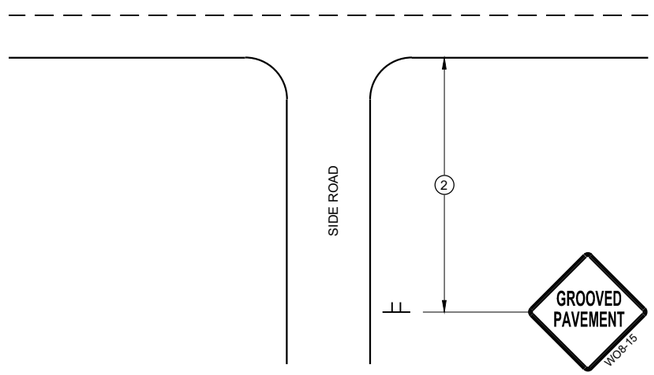
(1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

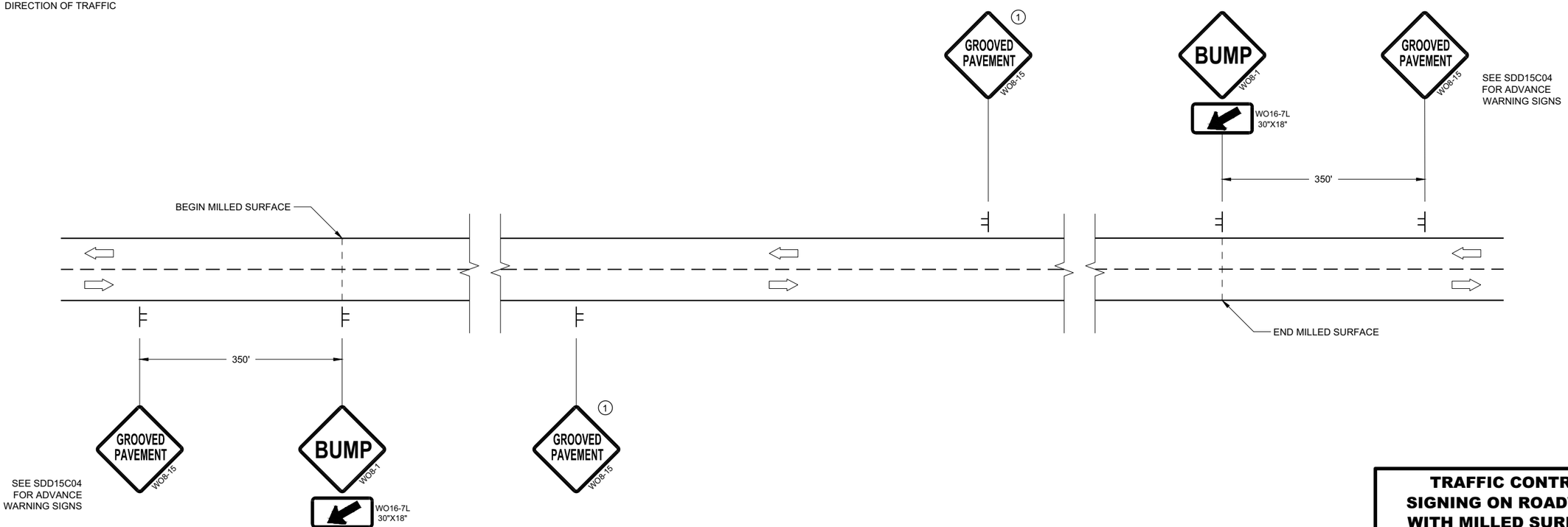
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON MILLED SURFACES

TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15D44 - 02

LEGEND

- EXISTING SIGN ON PERMANENT SUPPORT
- NEW SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK ZONE

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

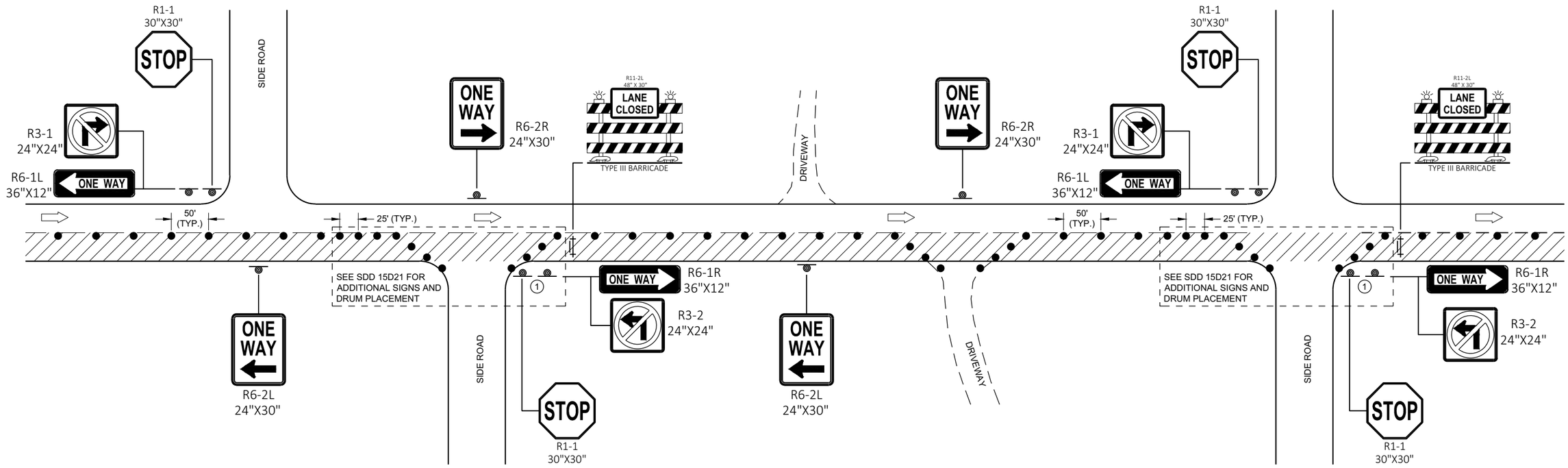
ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

BARRICADES IN A CLOSED LANE 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.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) IF WORK OPERATIONS ALLOWS, MOVE R1-1, R6-1R, AND R3-2 CLOSER TO INTERSECTION.



TRAFFIC CONTROL
ONE - WAY SIGNING

TRAFFIC CONTROL ONE-WAY SIGNING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2020 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEE
FHWA	362

SDD 15D46 - 01

SDD 15D46 - 01

LEGEND

V1 WORK VEHICLE

V2 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

FLASHING ARROW PANEL (CAUTION)

WORK AREA

DIRECTION OF TRAFFIC

POSTED SPEED PRIOR TO WORK STARTING (MPH)	DECISION SIGHT DISTANCE (D)
0 - 25	550'
30	550'
35	700'
40	700'
45	900'
50	900'
55	1200'

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

MOBILE IS WORK THAT MOVES CONTINUOUSLY OR MOVES AT LEAST THE DECISION SIGHT DISTANCE EVERY 15 MINUTES.

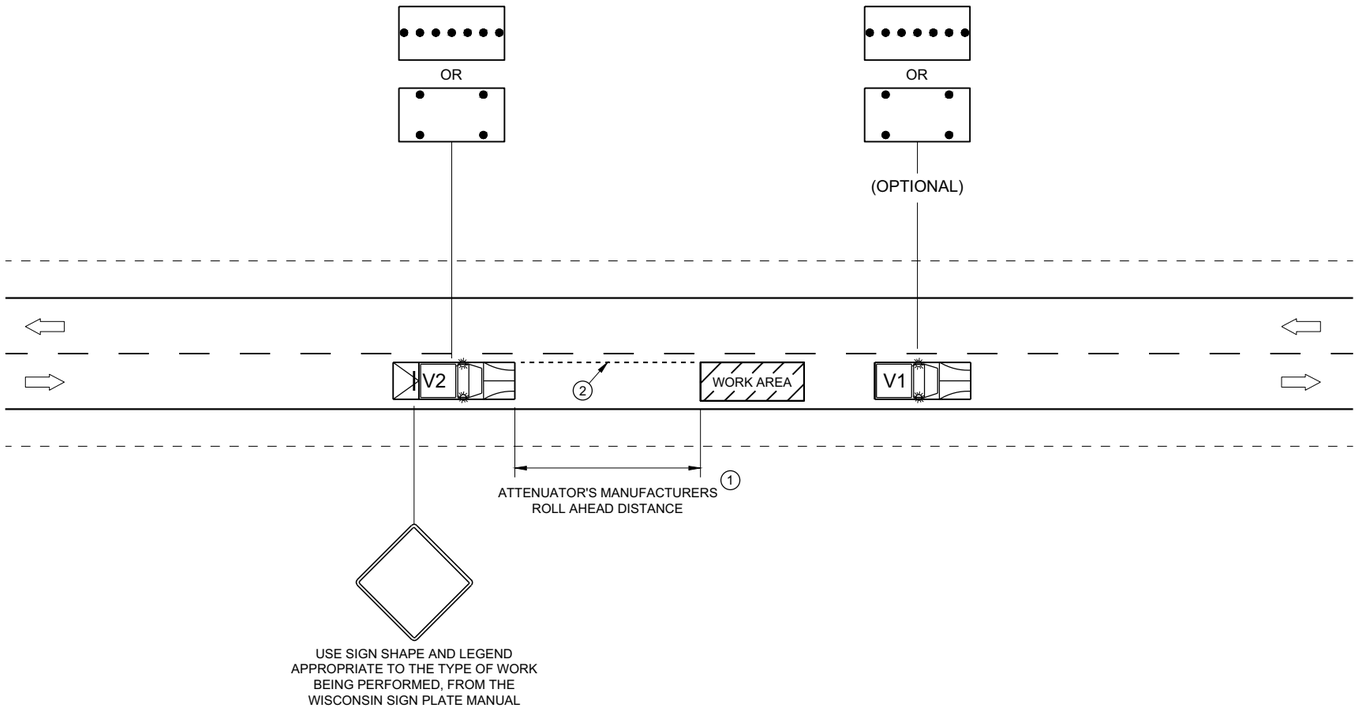
ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL ARROW PANELS SHALL BE REAR FACING, TYPE "B" OR "C", AND DISPLAYING THE FLASHING CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

(1) DISTANCE BETWEEN VEHICLES MAY INCREASE FROM THE ATTENUATOR'S ROLL AHEAD BASED ON TERRAIN, SIGHT DISTANCE, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

(2) ALIGN LEFT SIDE OF SHADOW VEHICLE WITH EDGE OF WORK AREA.



6

SDD 15D51 - 01

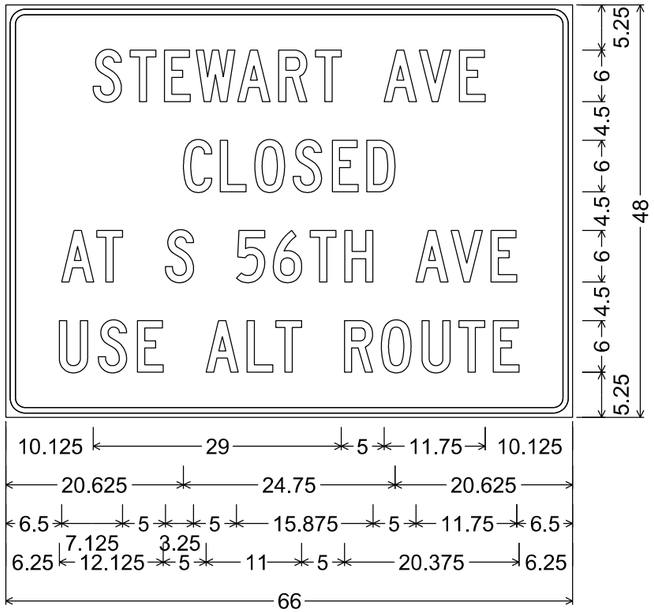
TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

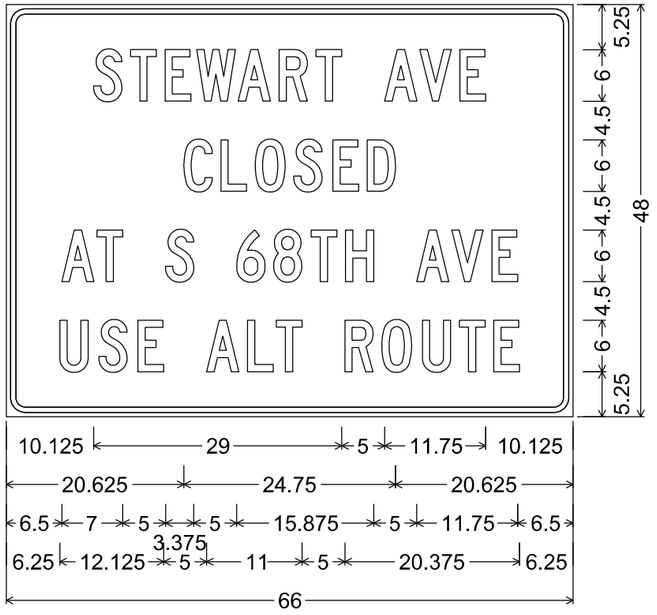
APPROVED
February 2021 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE T SAFETY ENGINEER
FHWA

6

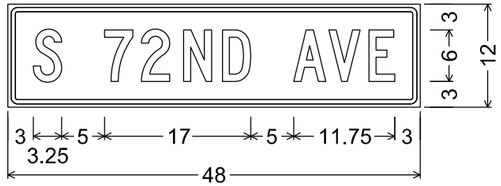
SDD 15D51 - 01



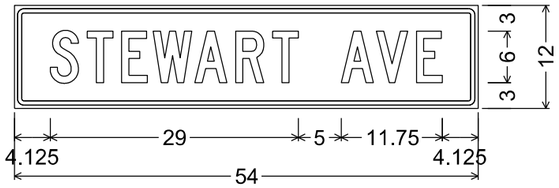
2.250" Radius, 0.625" Border, 0.500" Indent



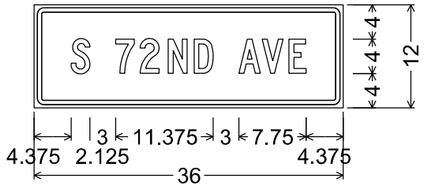
2.250" Radius, 0.625" Border, 0.500" Indent



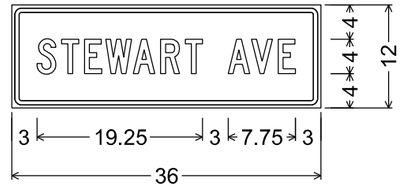
1.125" Radius, 0.500" Border, 0.375" Indent



1.125" Radius, 0.500" Border, 0.375" Indent



1.125" Radius, 0.500" Border, 0.375" Indent



1.125" Radius, 0.500" Border, 0.375" Indent

NOTES

1. Fixed Message Signs Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C

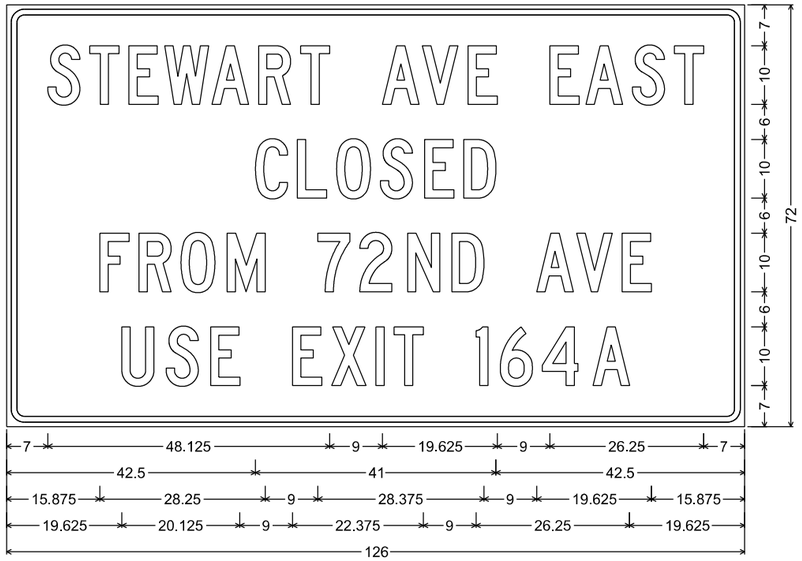
7

7

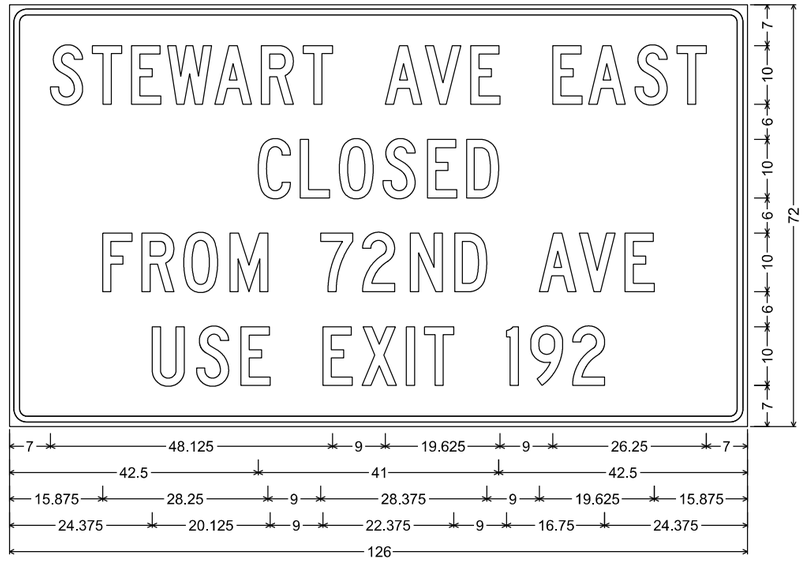
PROJECT NO: 6999-09-72	HWY: STEWART AVE	COUNTY: MARATHON	TEMPORARY SIGNING	SHEET NO: 364	E

NOTES

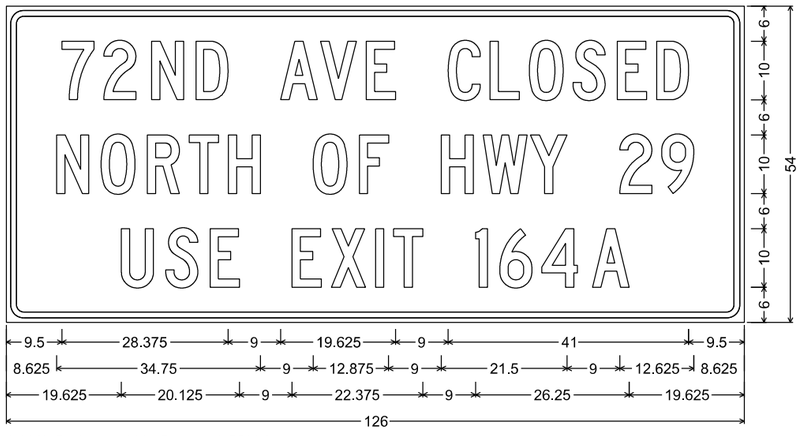
1. Fixed Message Signs Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C



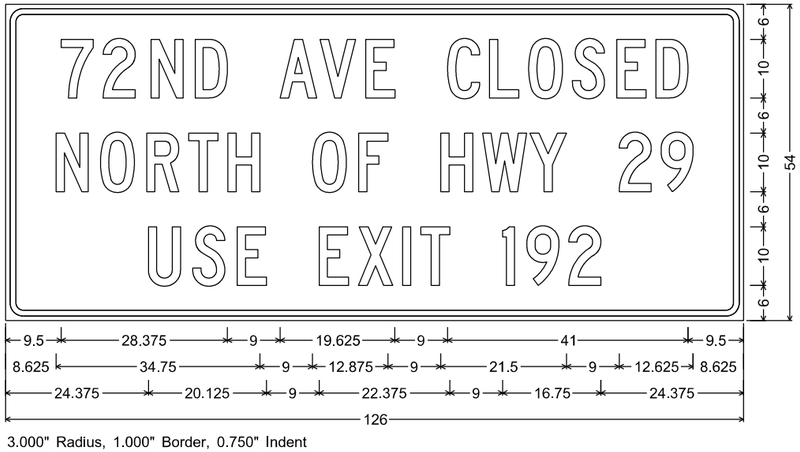
3.000" Radius, 1.000" Border, 0.750" Indent



3.000" Radius, 1.000" Border, 0.750" Indent

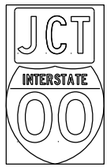


3.000" Radius, 1.000" Border, 0.750" Indent

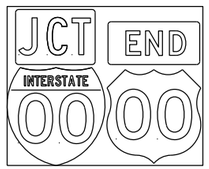


3.000" Radius, 1.000" Border, 0.750" Indent

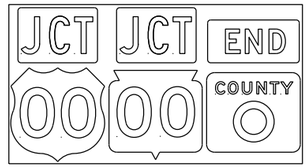
TYPICAL ASSEMBLIES



J1-1



J1-2



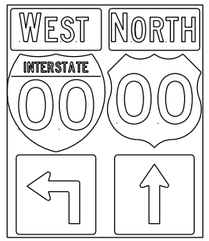
J1-3



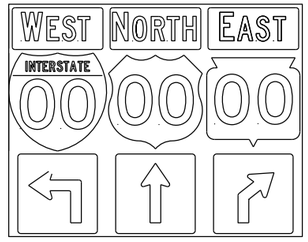
JR1-1



J2-1



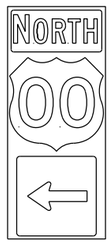
J2-2



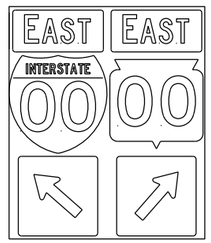
J2-3



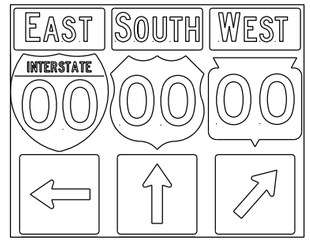
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



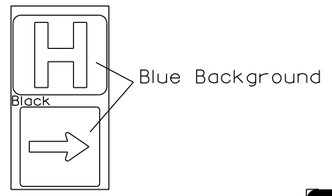
J3-1



J3-2



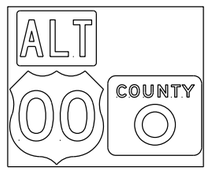
J3-3



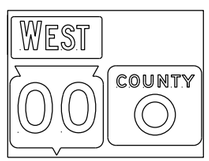
JH-1



J4-1



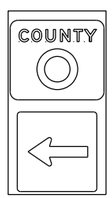
J4-2



J4-2



J12-1



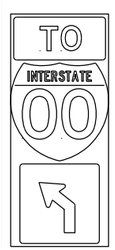
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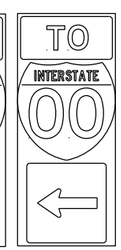
J32-1



J33-1



J22-1



J23-1



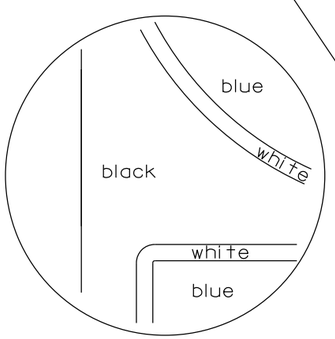
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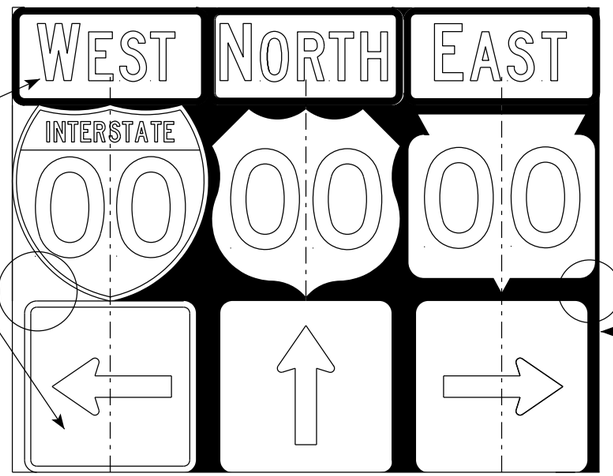


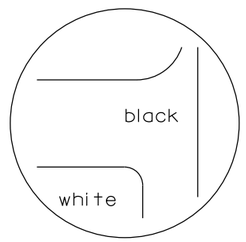
JR23-1



JR99-1







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: 366 E

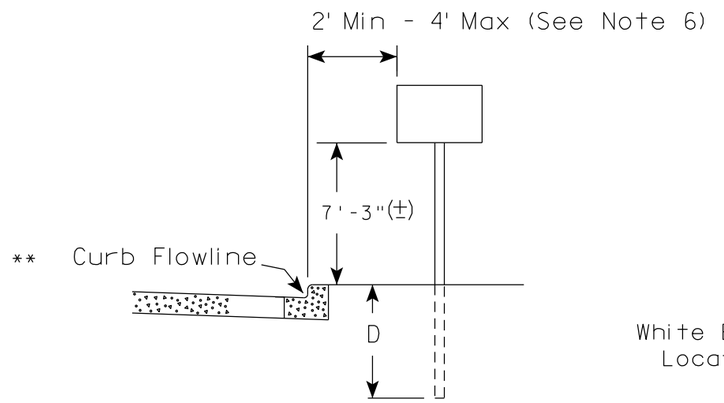
FILE NAME : C:\CAEfiles\Projects\tr_stdplate_A21S.dgn PLOT DATE : 18-MAR 2021 1:37 PLOT BY : mscj9h PLOT NAME :

WISDOT/CADDS SHEET 42

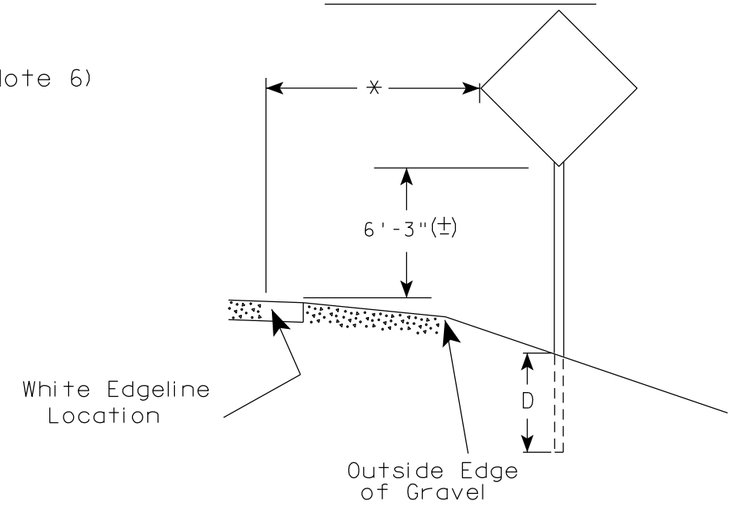
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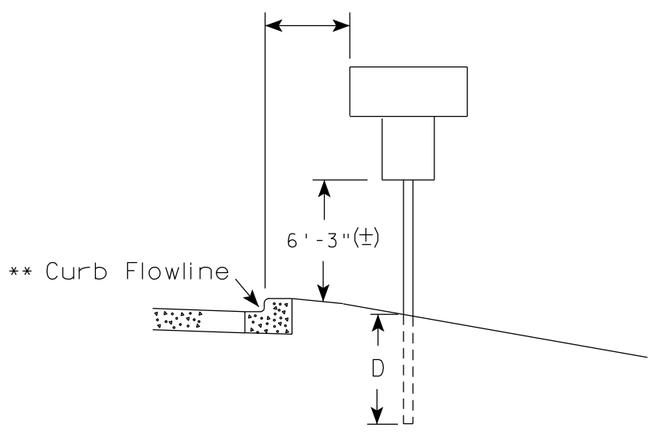
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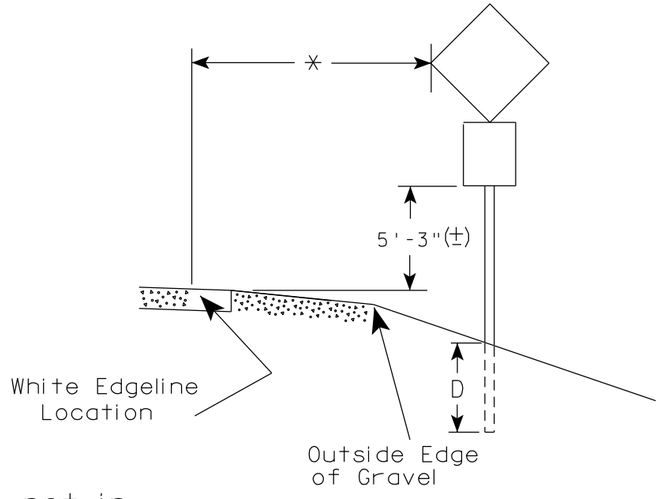
URBAN AREA



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.

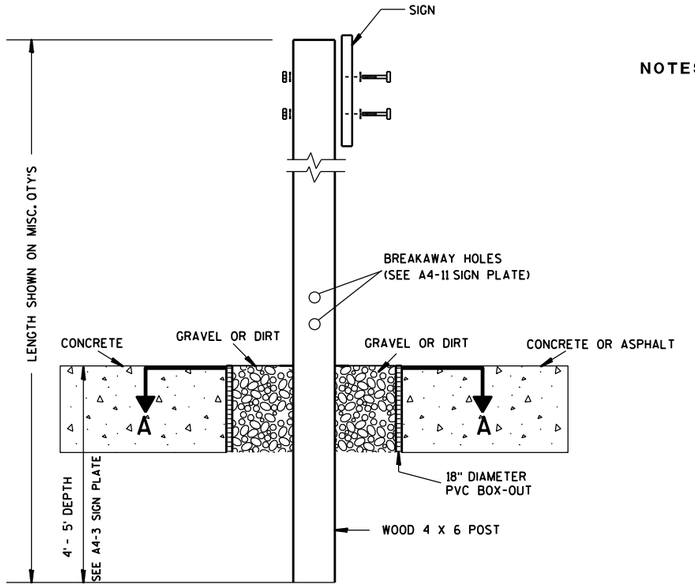
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

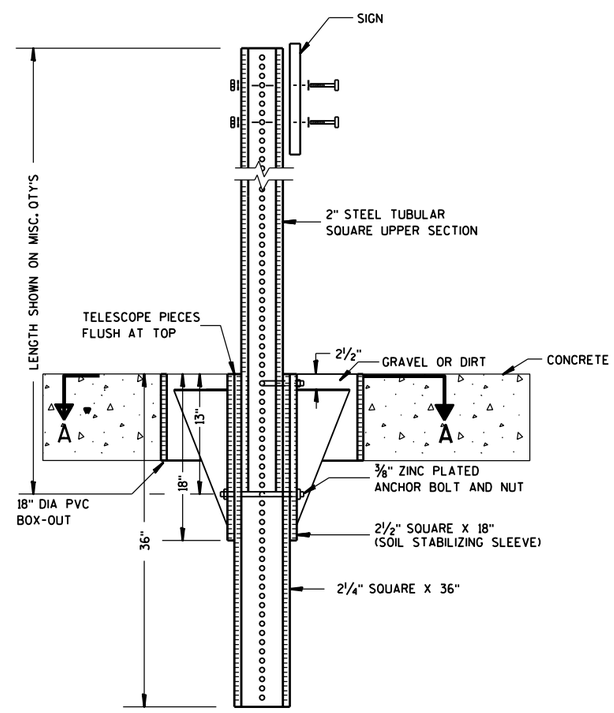
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 367	E



ELEVATION VIEW

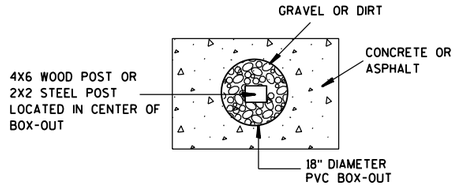
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

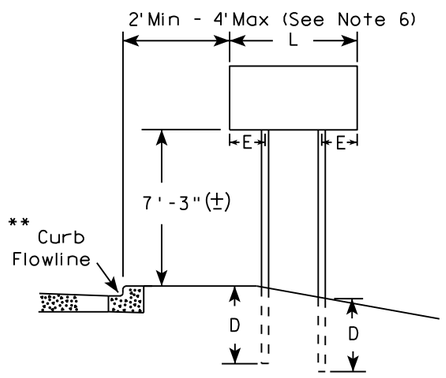
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

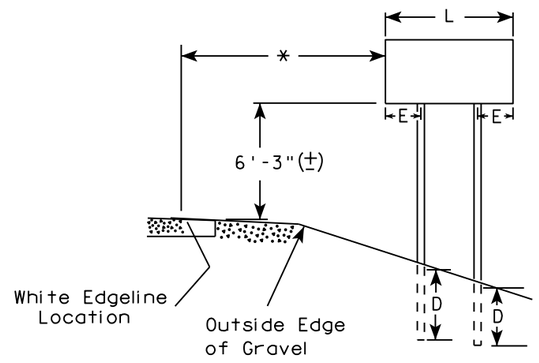
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

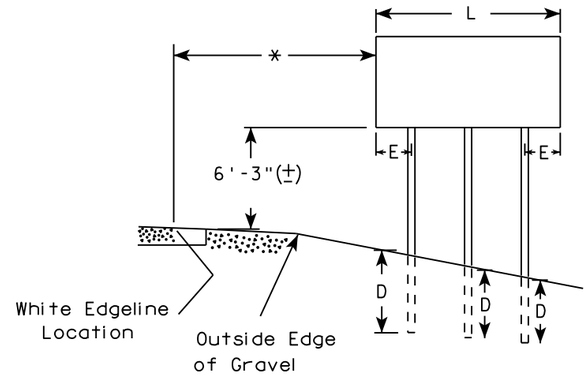
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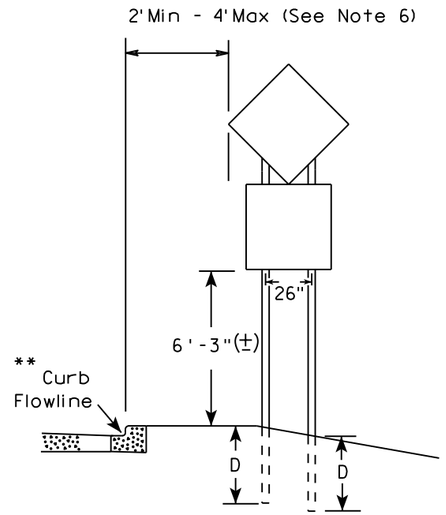
URBAN AREA



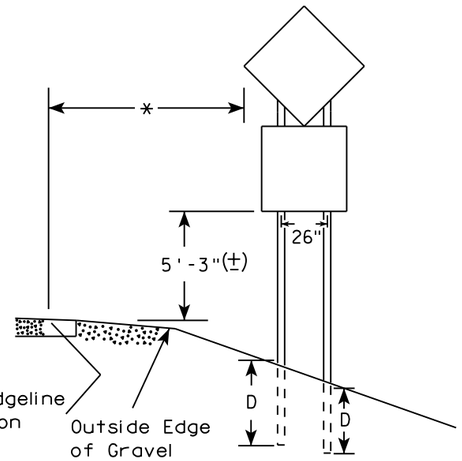
RURAL AREA (See Note 3)







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'

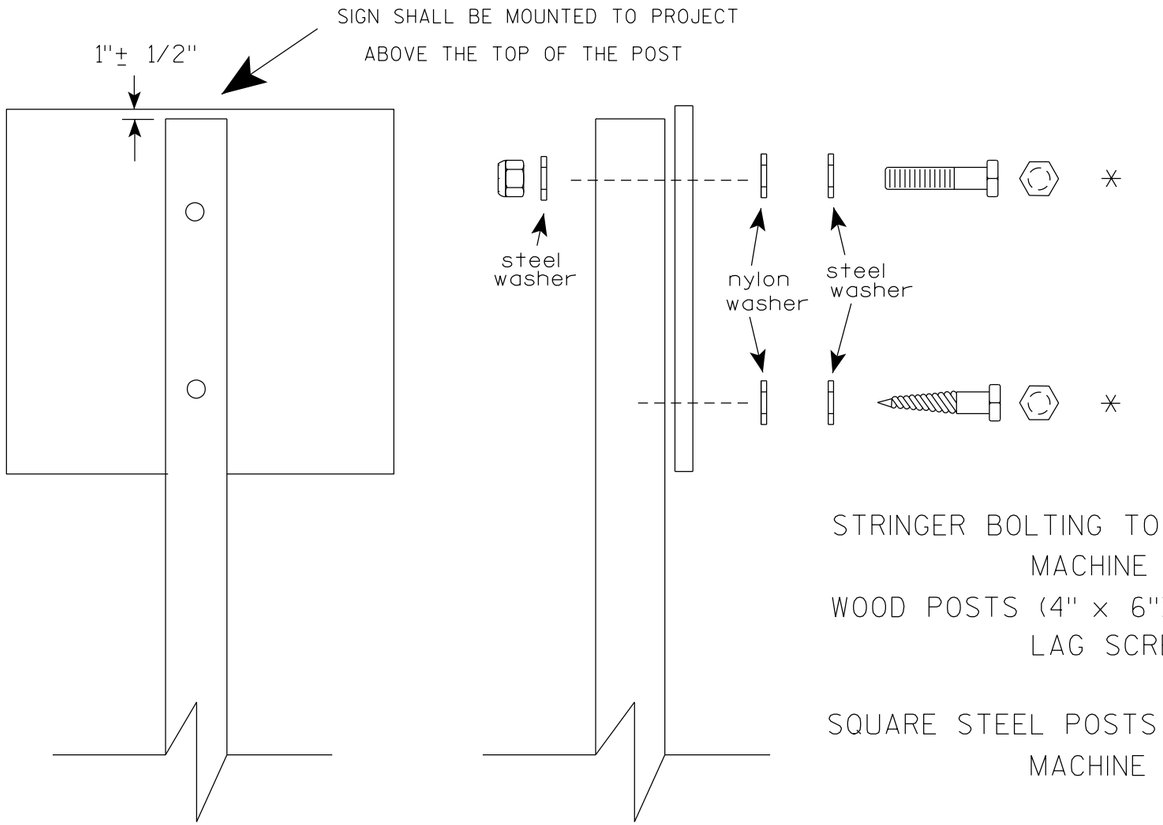
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

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: 369	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

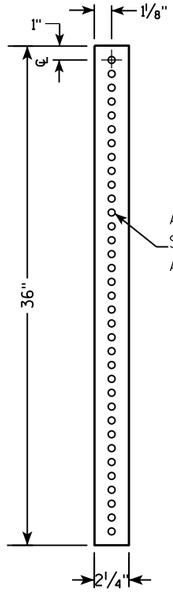
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

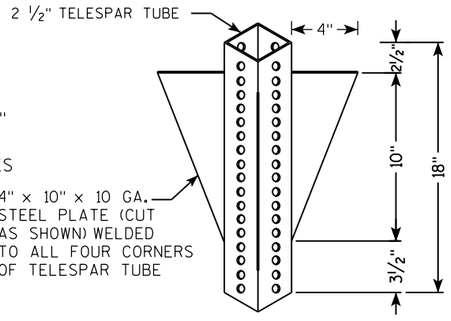
SHEET NO: 370 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

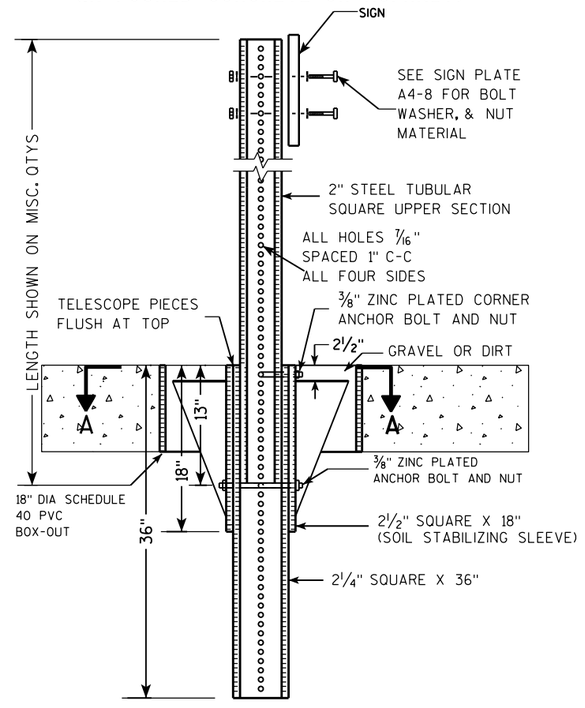
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



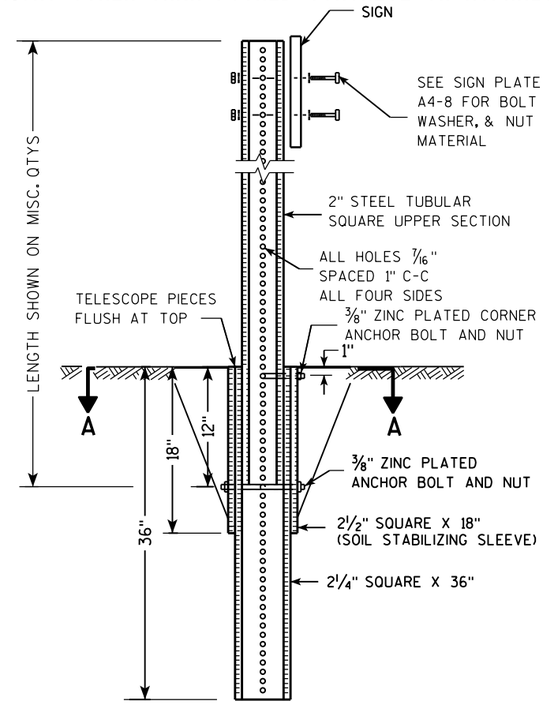
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

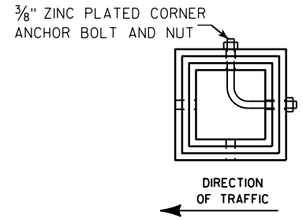


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

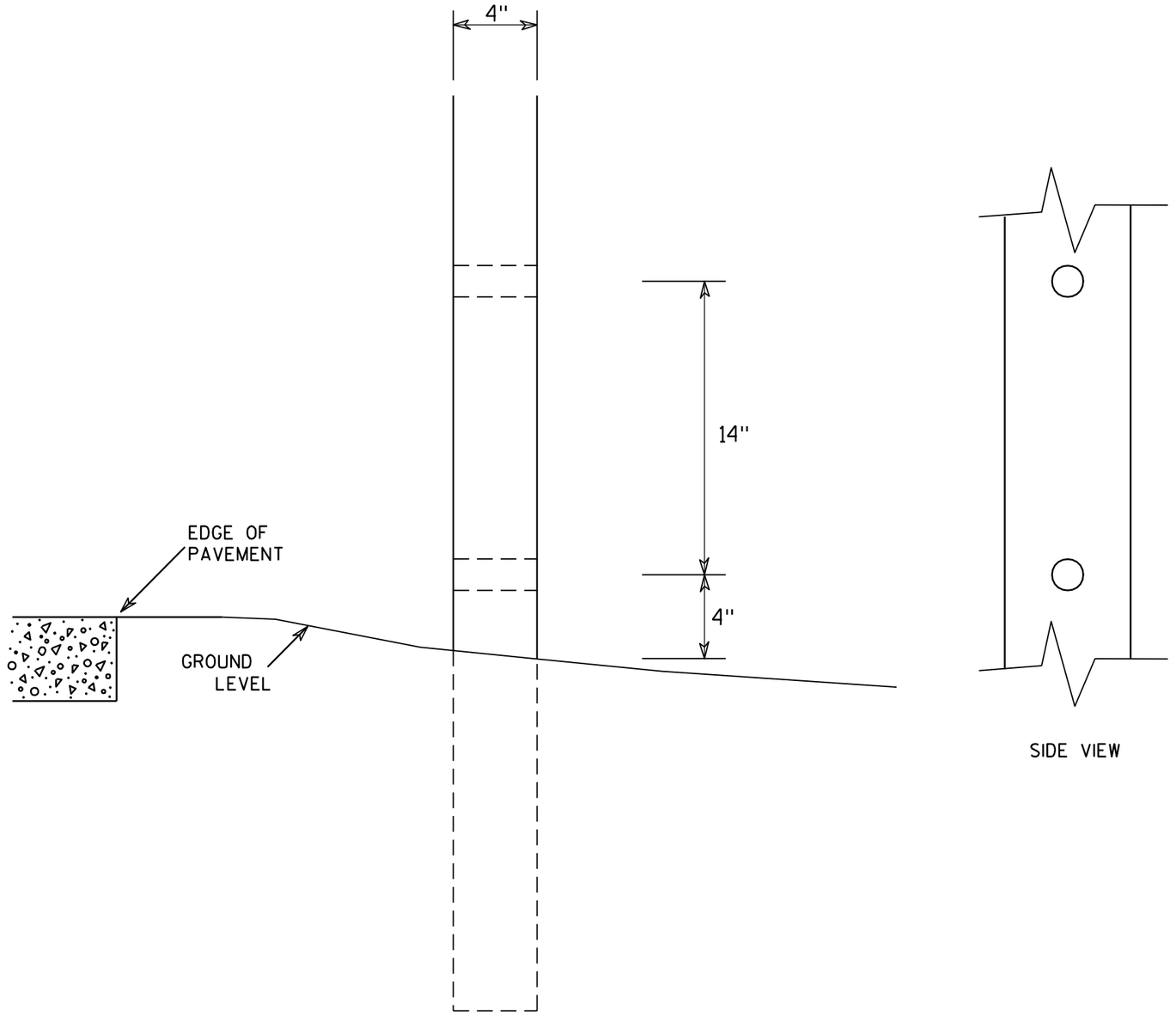
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 371 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.

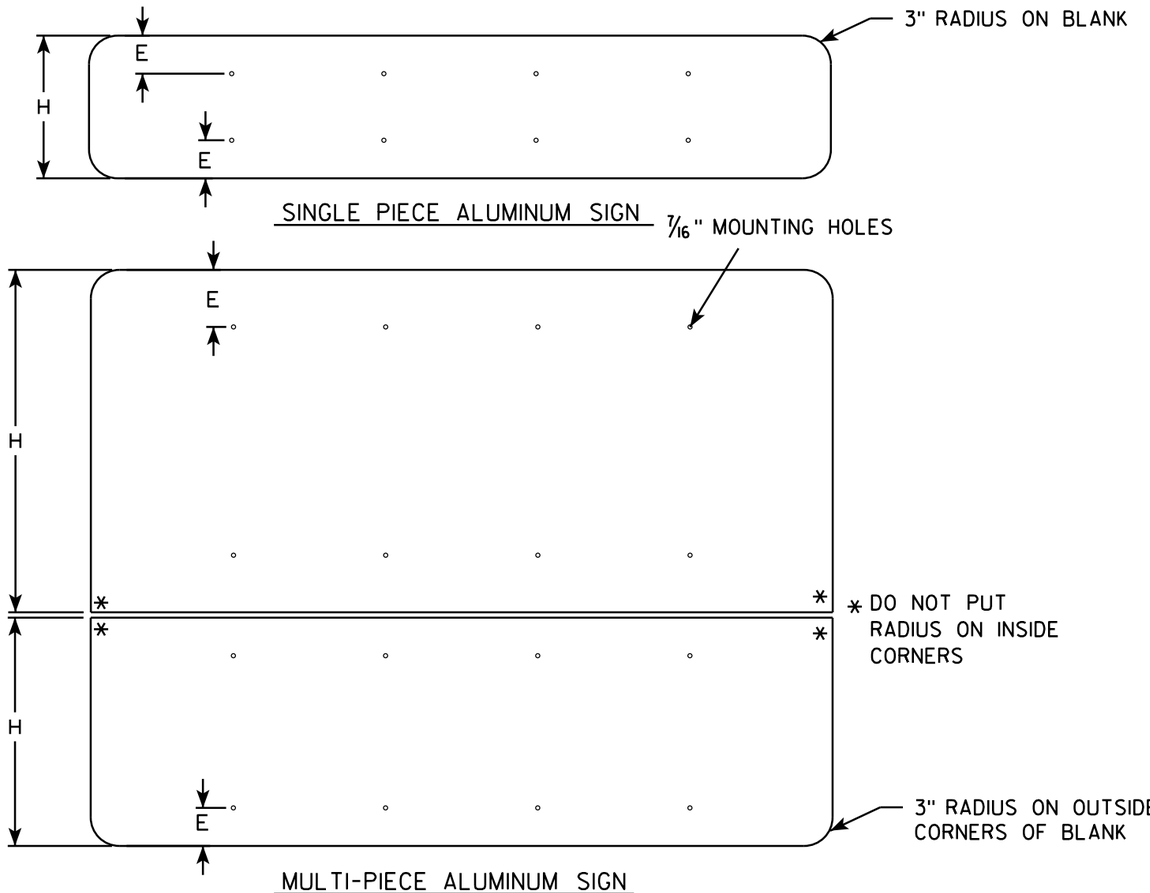
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

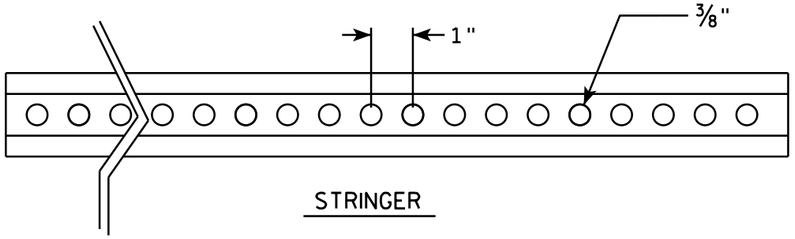
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 372	E



GENERAL NOTES

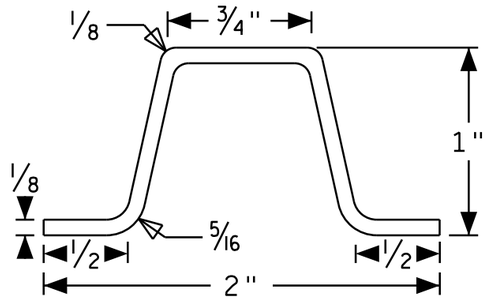
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 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"

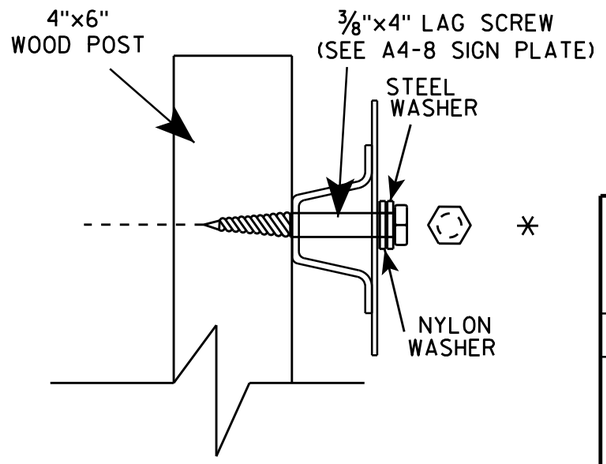


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

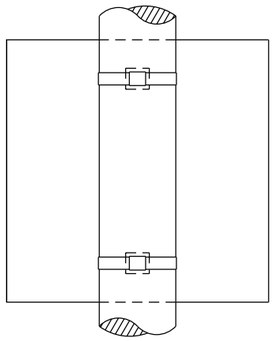
DATE 4/26/16 PLATE NO A4-18.1

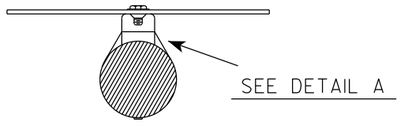
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

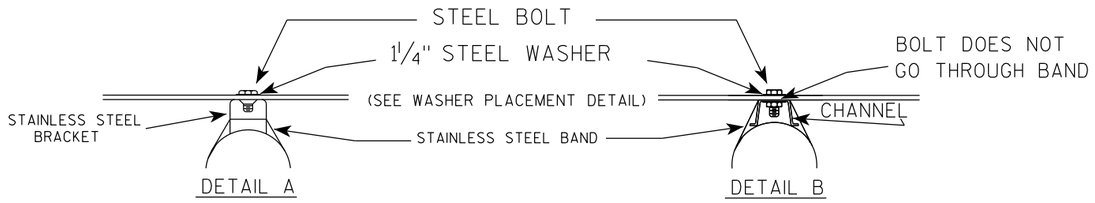
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

BANDING

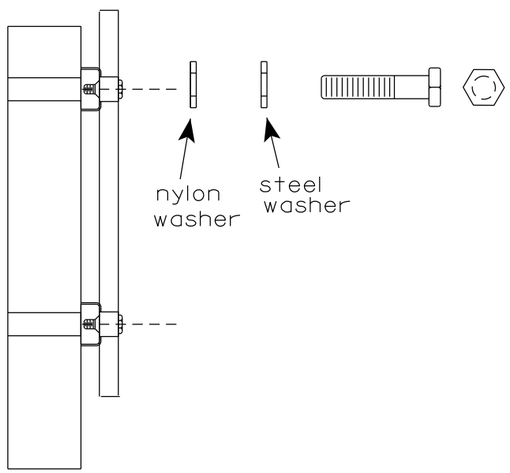
SINGLE SIGN







WASHER PLACEMENT

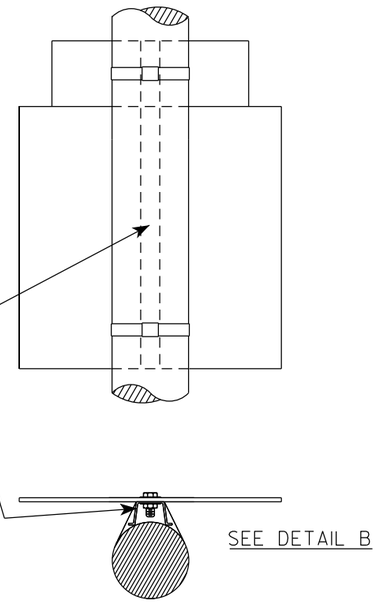


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

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

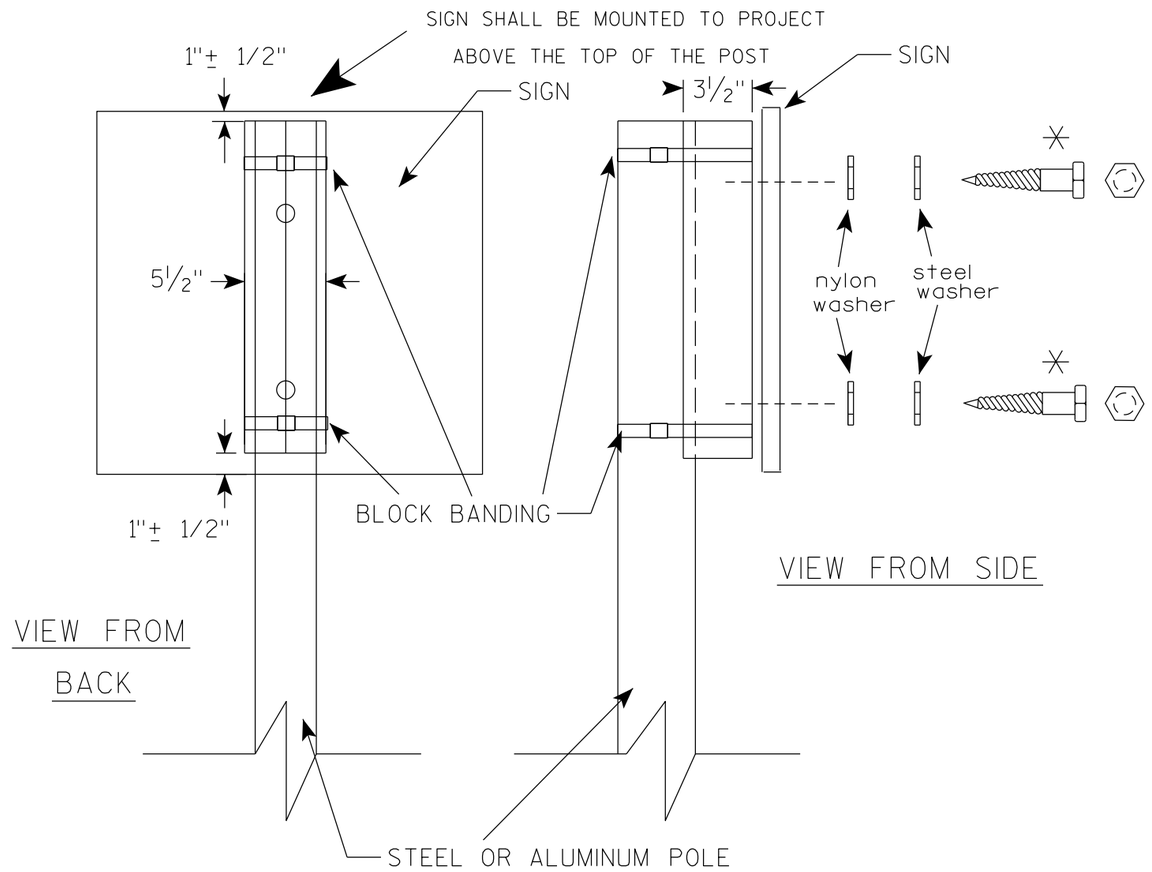
DATE 6/10/19 PLATE NO. A5-9.4

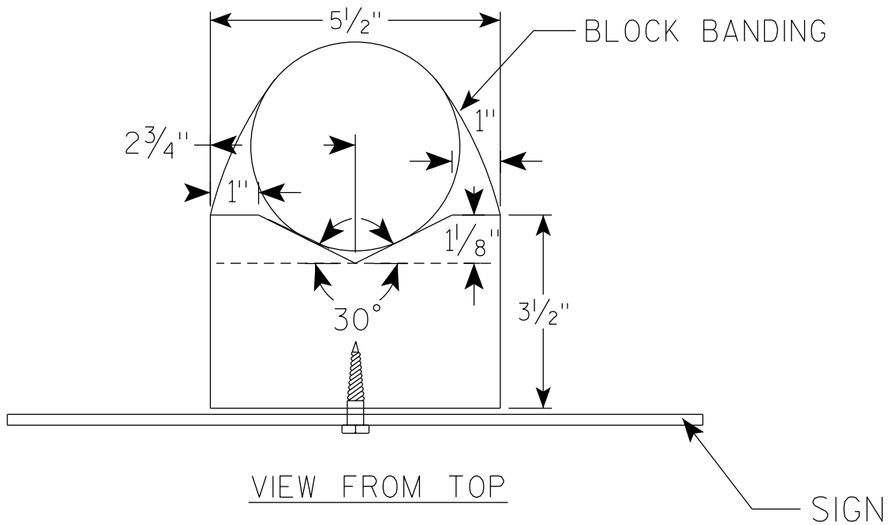
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 374	E

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)

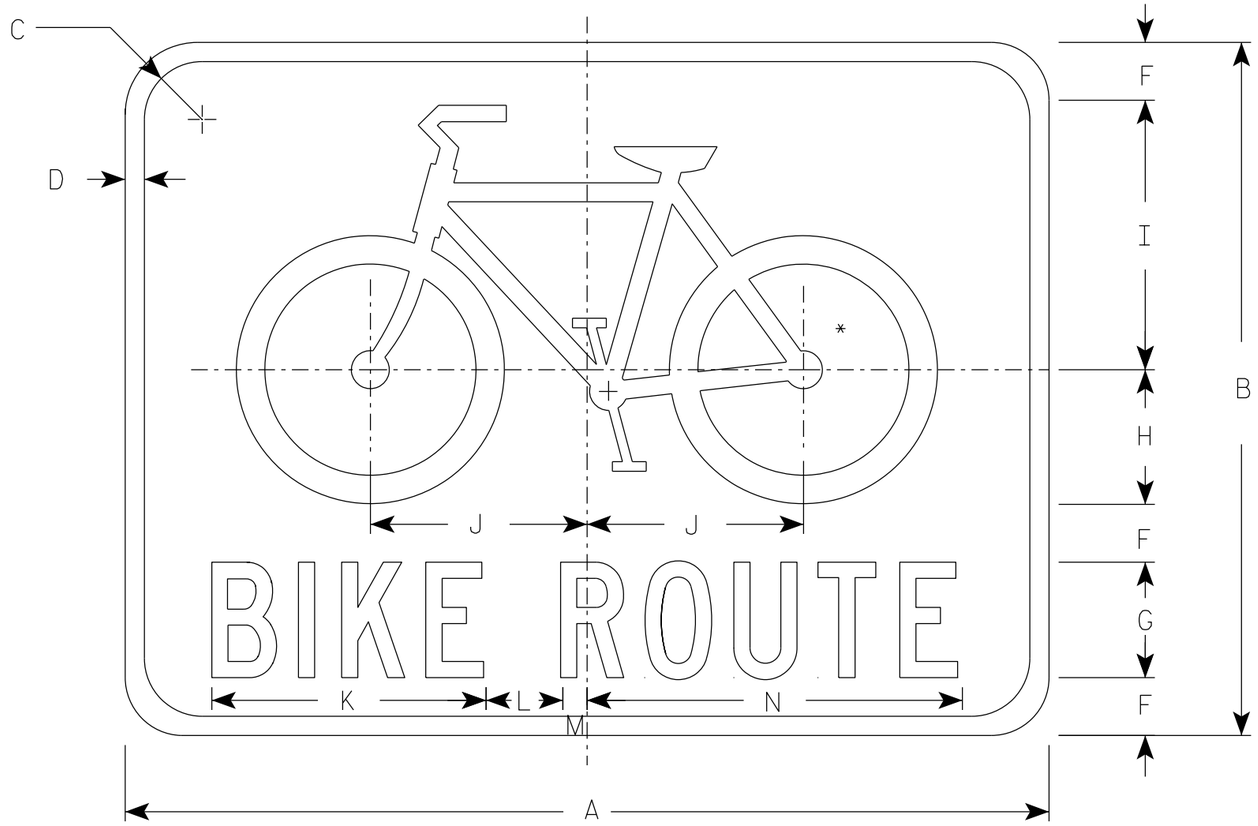
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 375 E



D11-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - GREEN
   Message - WHITE
3. Message Series - C

* See W11-1 for symbol design

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	18	1 1/2	1/2		1 1/2	3	3 1/2	7	5 5/8	7 1/8	2	5/8	9 3/4													3.0
2M	24	18	1 1/2	1/2		1 1/2	3	3 1/2	7	5 5/8	7 1/8	2	5/8	9 3/4													3.0
3	30	24	1 1/4	5/8		2	4	4 3/4	9 1/4	7 1/2	9 1/2	2 5/8	7/8	13													5.0
4																											
5																											

STANDARD SIGN
D11-1

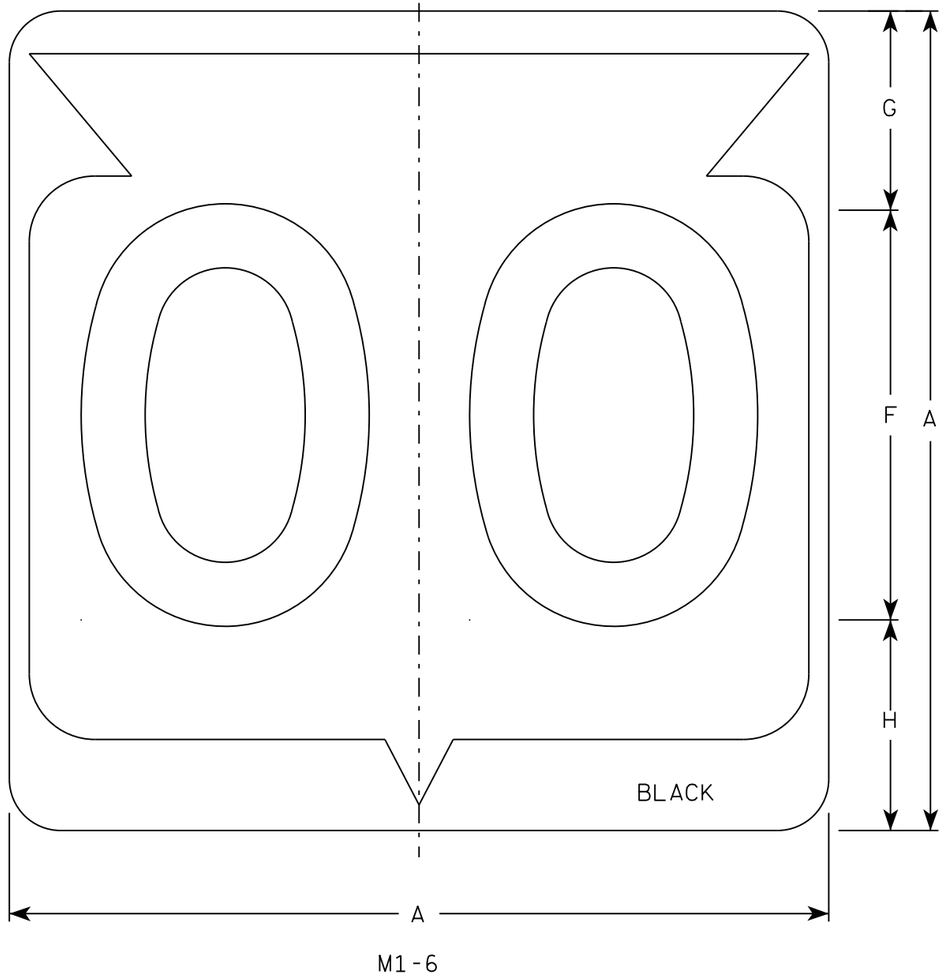
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/2021 PLATE NO. D11-1.2

PROJECT NO:

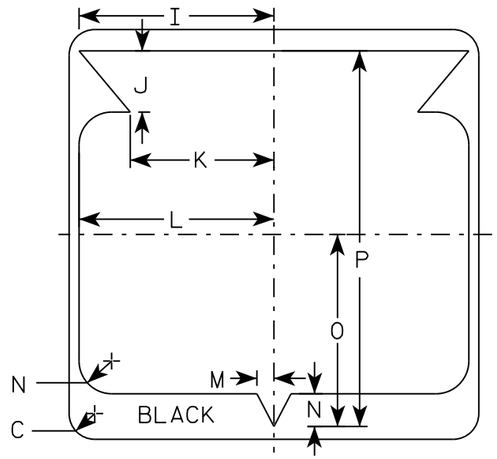
SHEET NO: 376 E



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

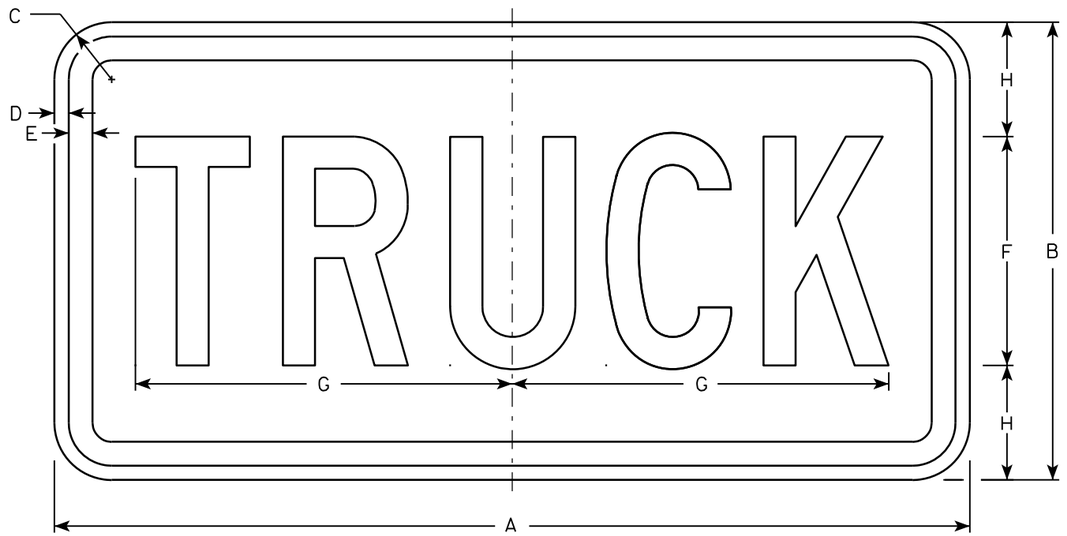
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

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: 377	E



M4-4

NOTES

1. Sign is Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White - See Note 5
   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. Permanent Signs
   Background - Type H Reflective
   Temporary or other 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	12	1 1/2	3/8	3/8	6	9 7/8	3																			2.0
3	36	18	1 1/2	3/8	1/2	9	15 5/8	4 1/2																			4.5
4																											
5																											

STANDARD SIGN
M4-4

WISCONSIN DEPT OF TRANSPORTATION

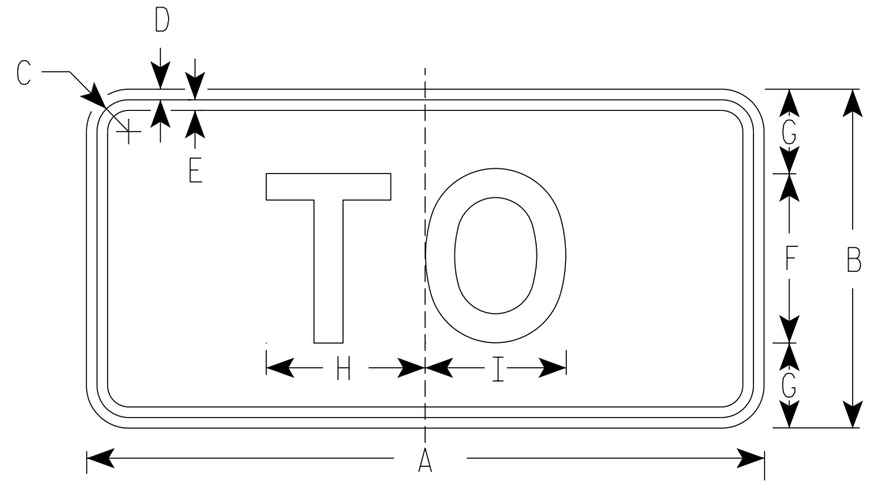
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-4.3

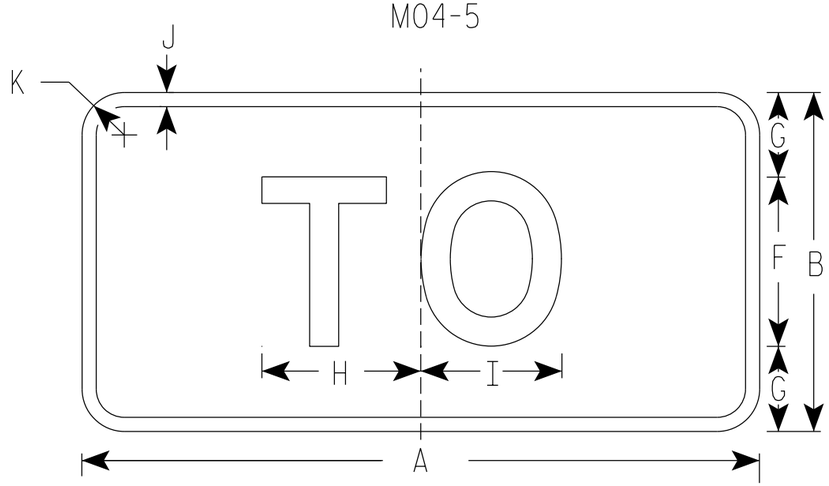
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 378	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M44.DGN PLOT DATE : 10-NOV-2010 12:29 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 3.972696:1.000000

7



M4-5
MM4-5
MP4-5
M04-5



MB4-5
MK4-5
MN4-5

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
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. M4-5 Background - White
   Message - Black

   MB4-5 Background - Blue
   Message - White

   MK4-5 Background - Green
   Message - White

   MM4-5 Background - White
   Message - Green

   MN4-5 Background - Brown
   Message - White

   MP4-5 Background - White
   Message - Blue

   M04-5 Background - Orange Type F Reflective
   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																											
2	24	12	1 1/8	3/8	3/8	6	3	5 3/8	5 1/4	1/2	1 1/2																2.00
3	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
4	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
5	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5

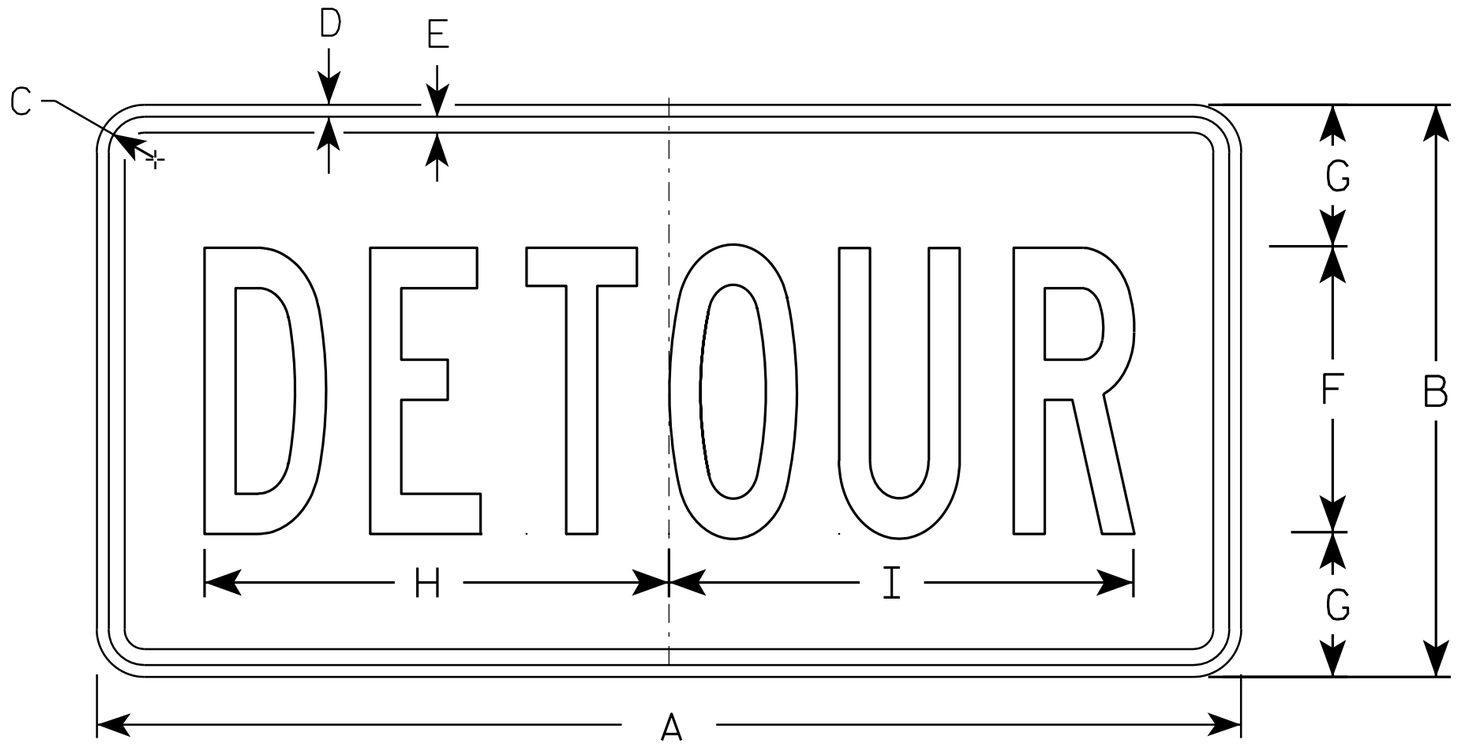
STANDARD SIGN
M4-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/7/19 PLATE NO. M4-5.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 379 | E



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																											

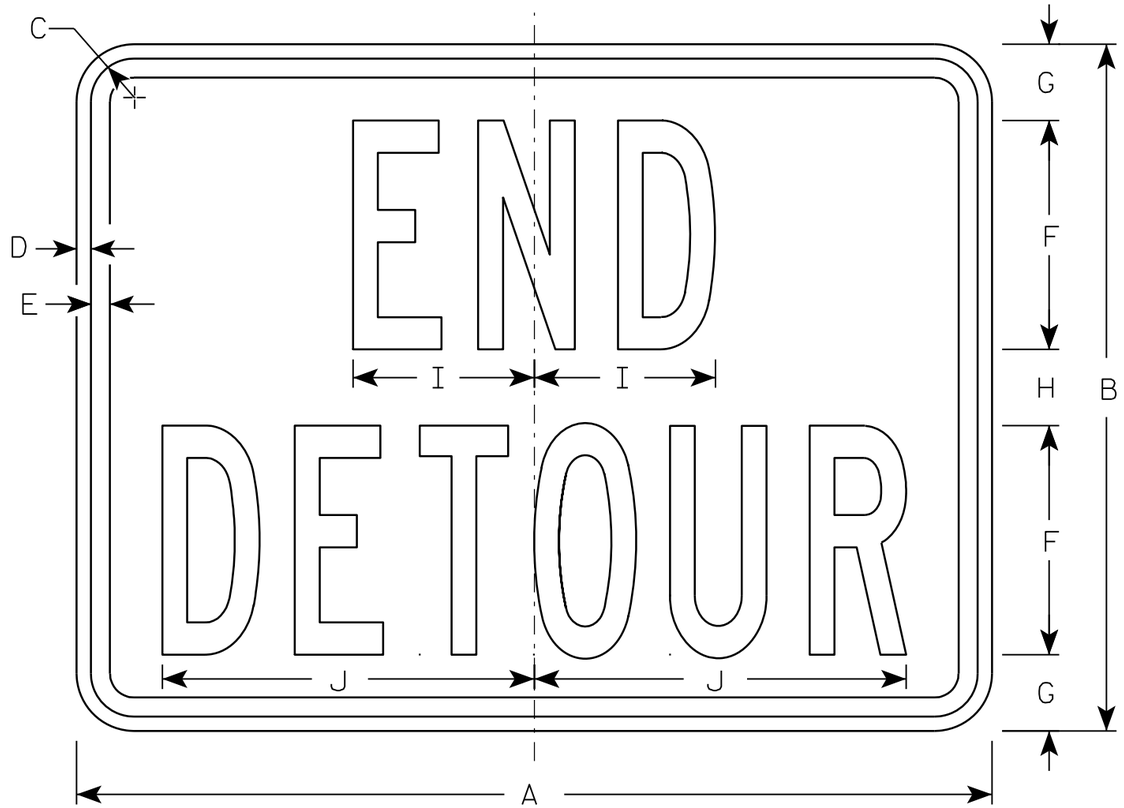
STANDARD SIGN
M4-8

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: 380	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																											

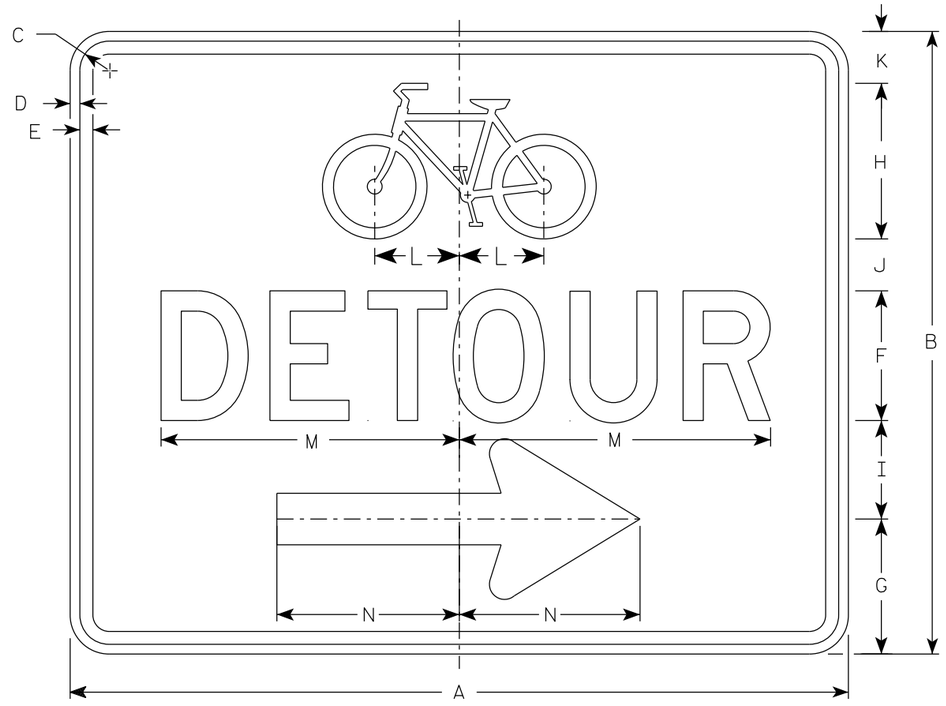
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

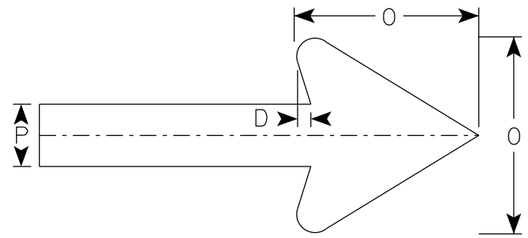
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 381	E



M4-9CR

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. M4-9CL is the same as M4-9CR 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	3 1/4	11 3/4	7	6	2											5.00
3																											
4																											
5																											

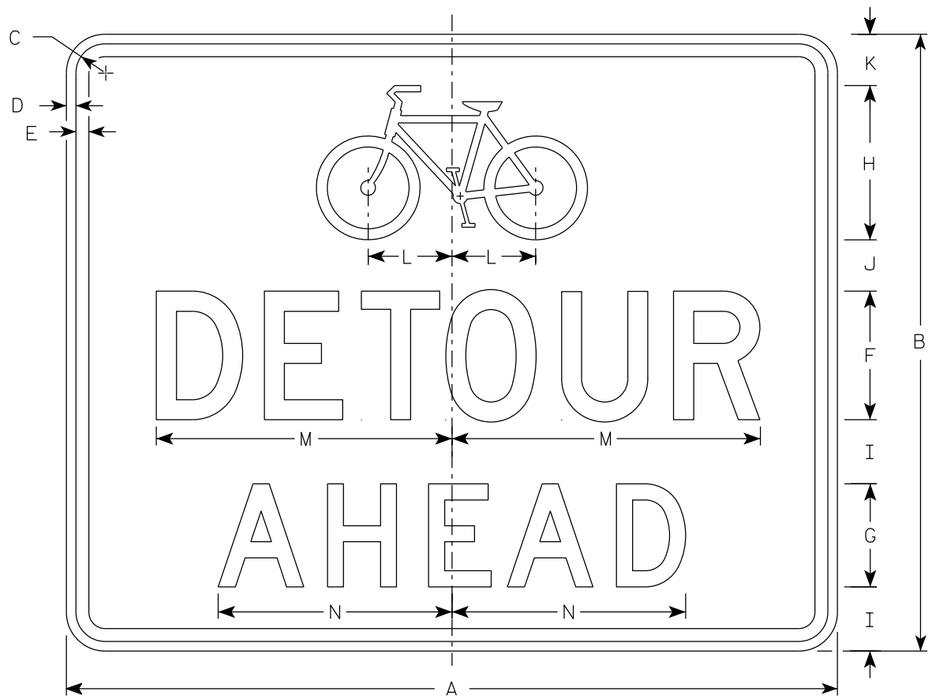
STANDARD SIGN
M4-9C L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/2/19 PLATE NO. M4-9C.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 382	E



M4-9CA

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	3 1/4	11 3/4	9 1/8													5.0
3																											
4																											
5																											

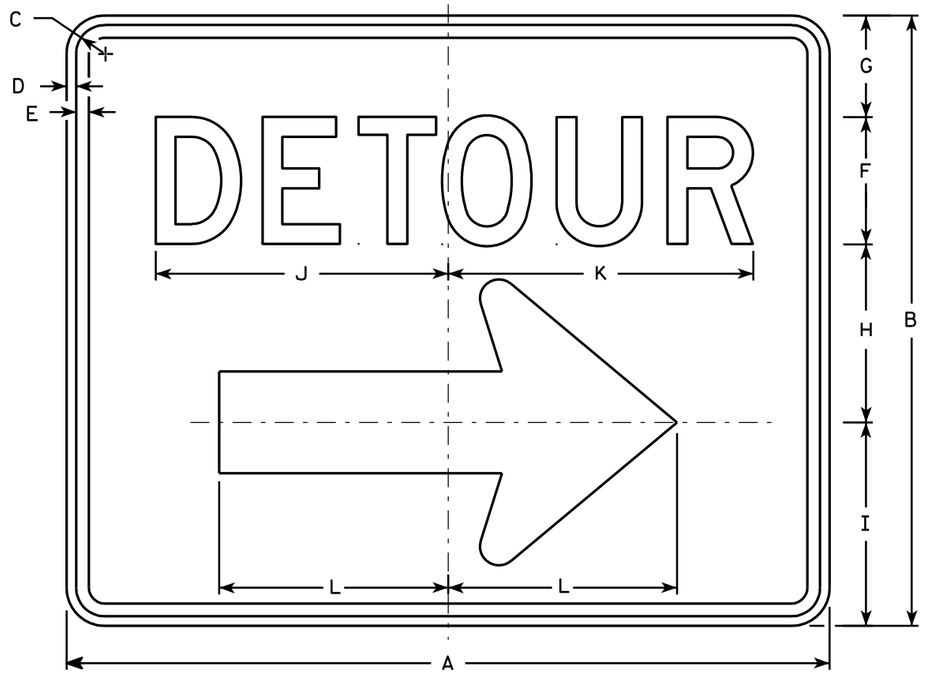
STANDARD SIGN
M4-9CA

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/27/2020 PLATE NO. M4-9CA.1

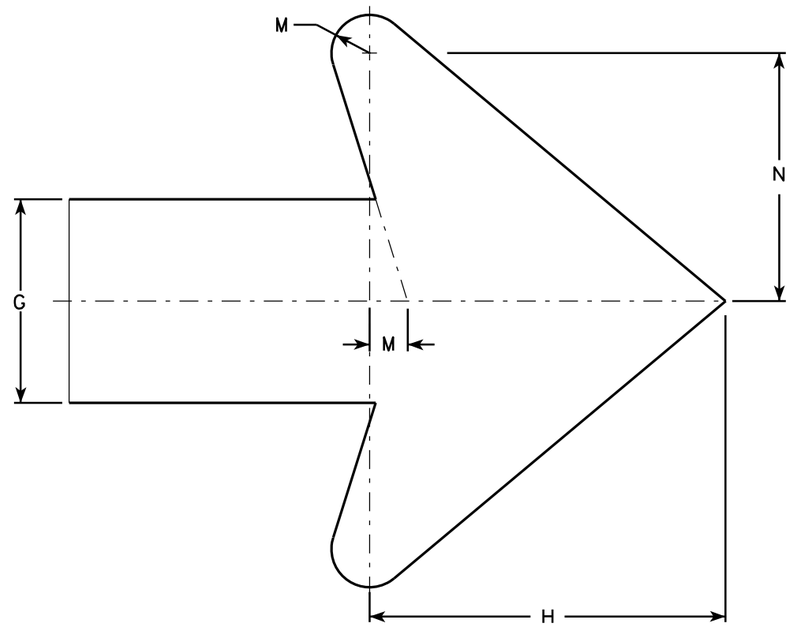
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 383	E



M4-9R

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 - 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. M4-9L is the same as M4-9R 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	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

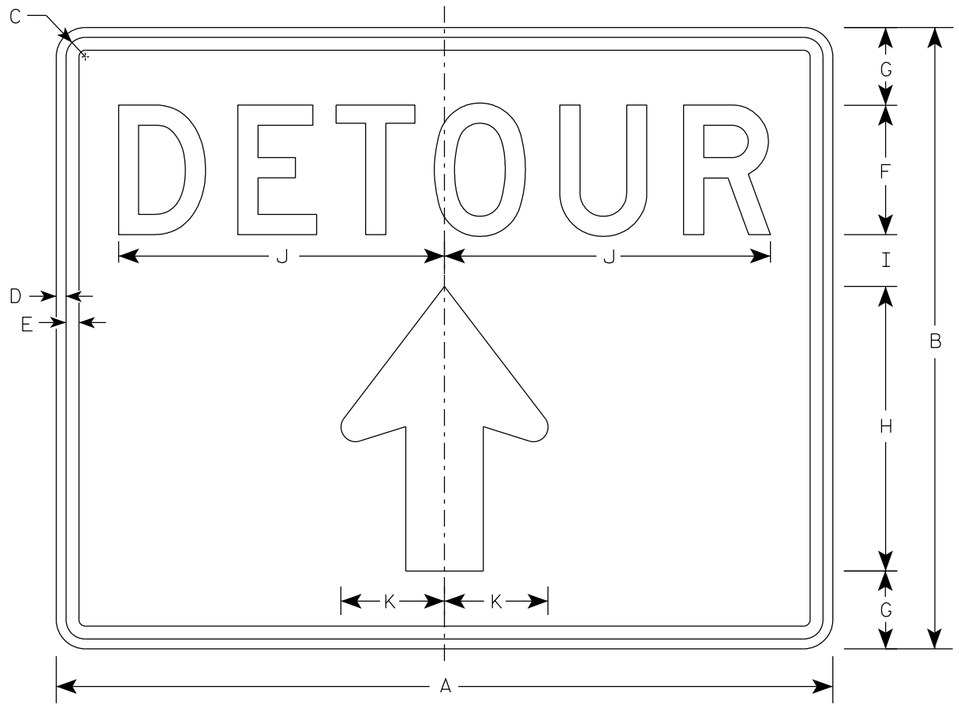
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

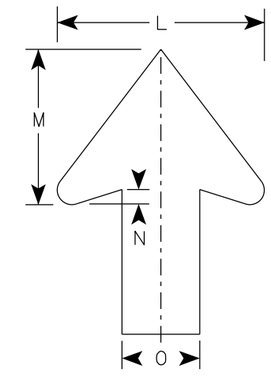
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 384 | E

NOTES

1. Sign is Type II-Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D



M4-9RA



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	3	11	2	12 5/8	4	8	6	1/2	3												5.00
3																											
4																											
5																											

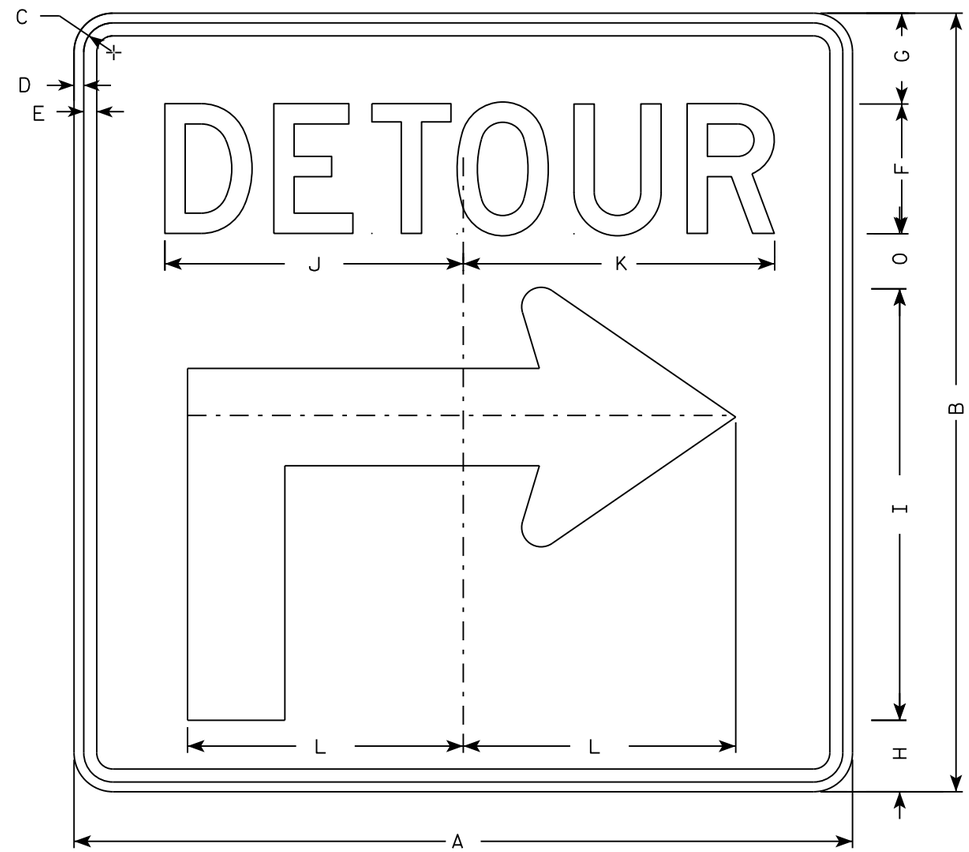
STANDARD SIGN
M4-9RA

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/10/2020 PLATE NO. M4-9RA.1

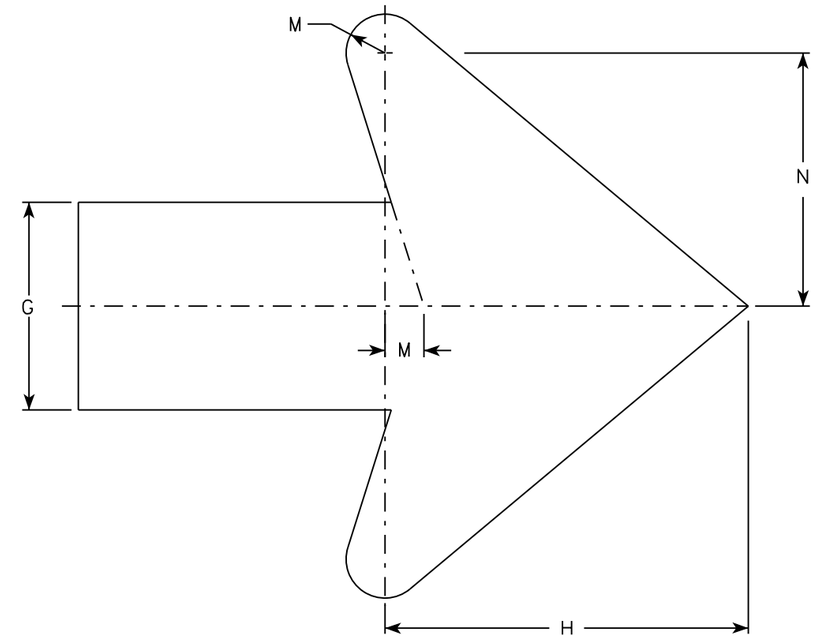
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 385 | E



M4-59R

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.
5. M4-59L is the same as M4-59R 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	30	1 1/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
3	30	30	1 1/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
4	48	48	1 3/8	1/2	5/8	8	5 5/8	4 3/8	26 5/8	20 5/8	20 1/2	17	1 1/8	6 7/8	3 3/8												16.0
5	48	48	1 3/8	1/2	5/8	8	5 5/8	4 3/8	26 5/8	20 5/8	20 1/2	17	1 1/8	6 7/8	3 3/8												16.0

STANDARD SIGN
M4-59 L&R

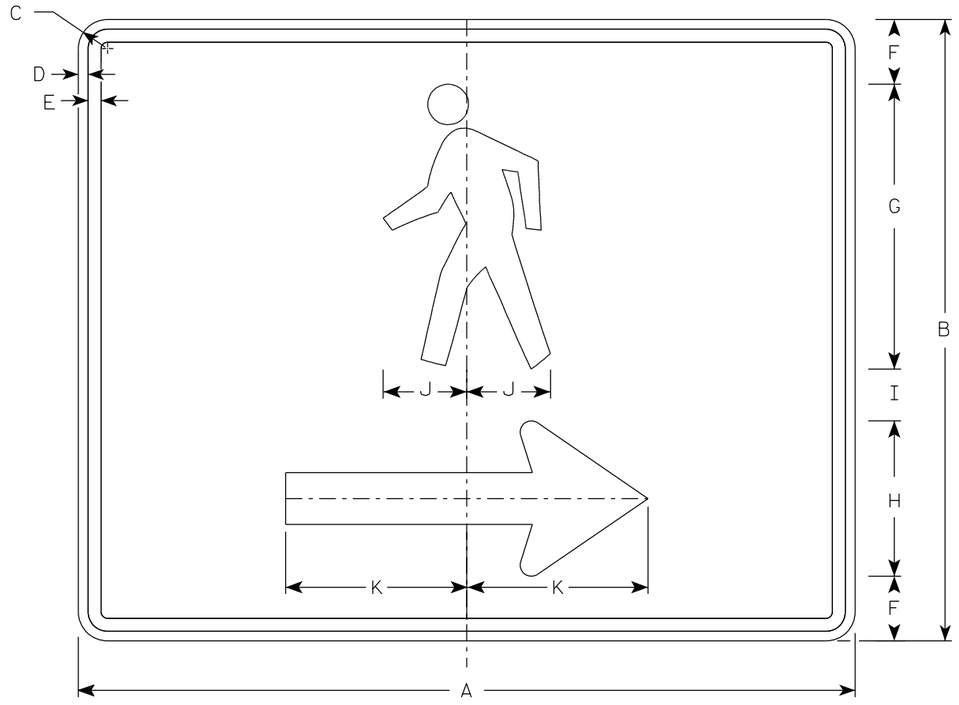
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/15 PLATE M4-59.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

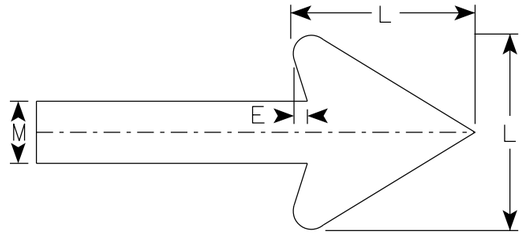
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M459.DGN PLOT DATE : 01-DEC-2015 18:05 PLOT BY : $$ platuser $$ PLOT NAME : PLOT SCALE : 5.837526:1.000000



M4-60R

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Orange
   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.
4. M4-60L is the same as M4-60R 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	2 1/2	11	6	2	3 1/4	7	6	2														5.00
3																											
4																											
5																											

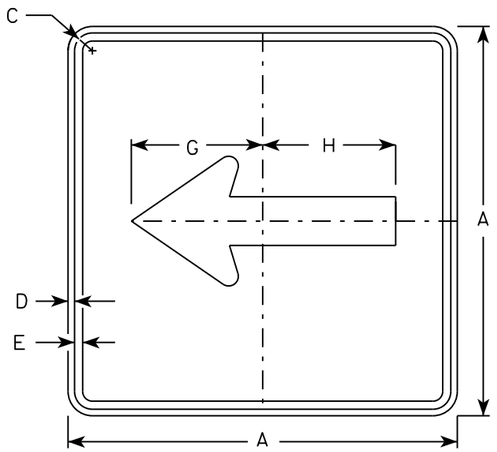
STANDARD SIGN
M4-60 L&R

WISCONSIN DEPT OF TRANSPORTATION

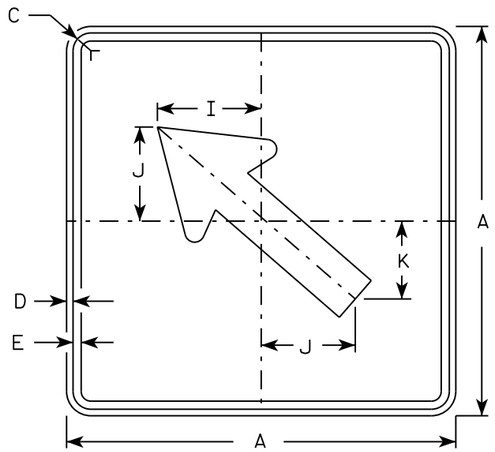
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/16/2021 PLATE NO. M4-60.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 387 | E



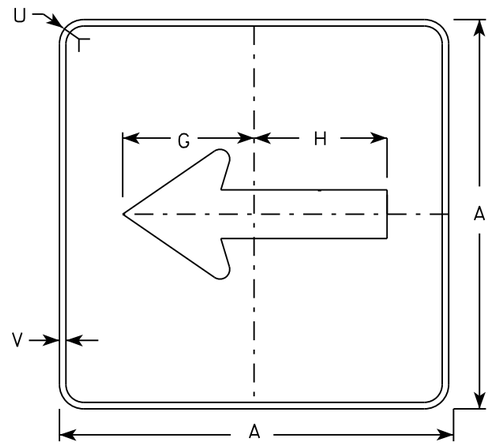
M6-1
MM6-1
MO6-1
MP6-1



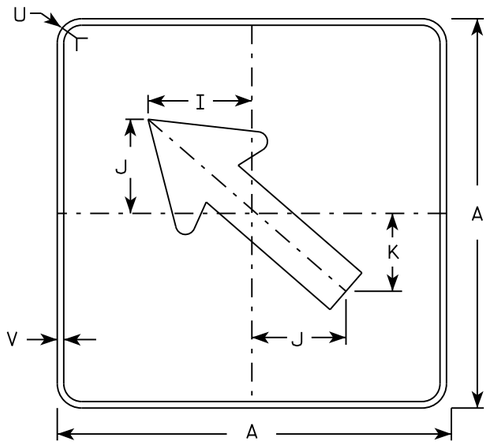
M6-2
MM6-2
MO6-2
MP6-2

NOTES

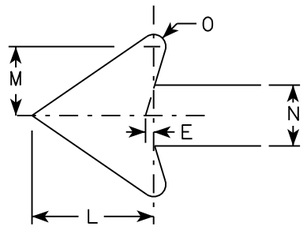
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - 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

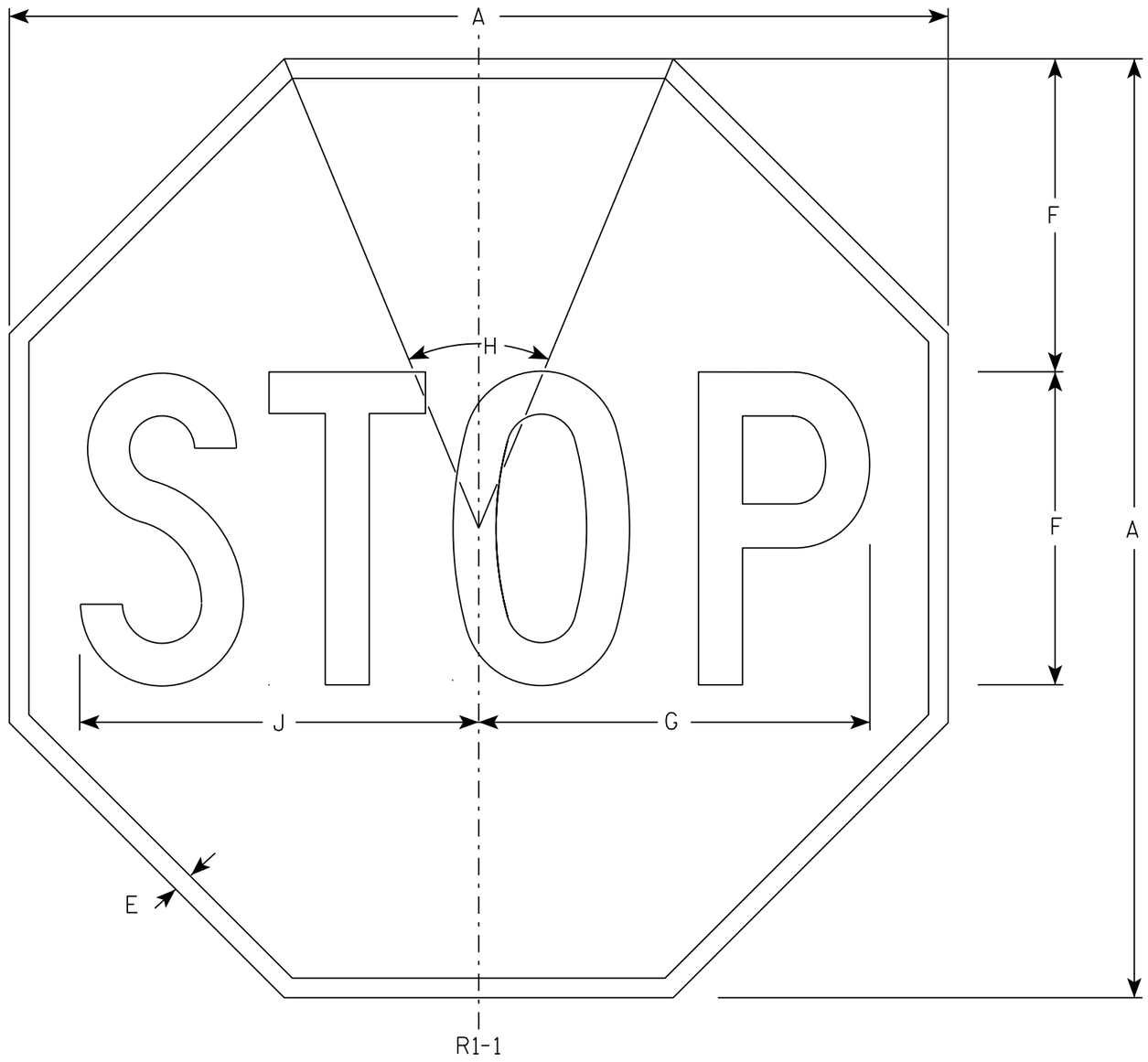
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 388 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

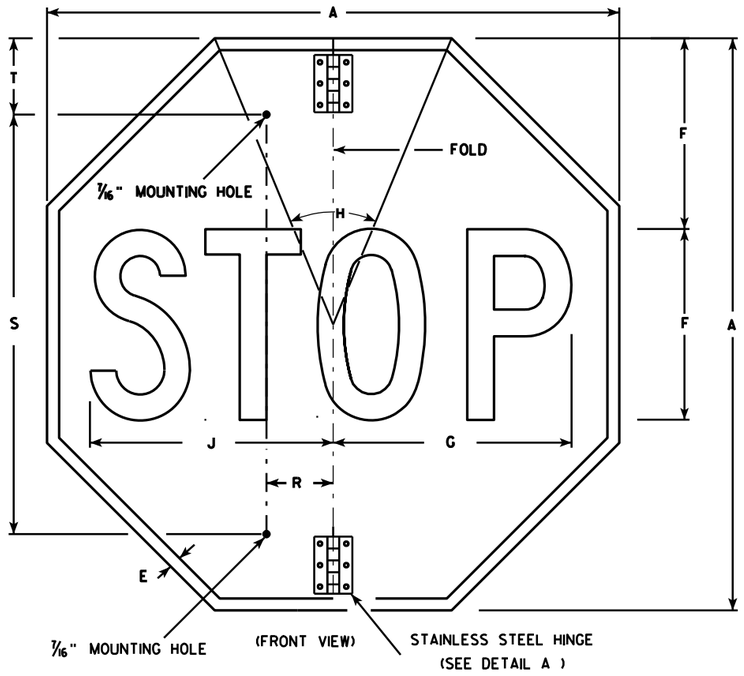
STANDARD SIGN
R1-1

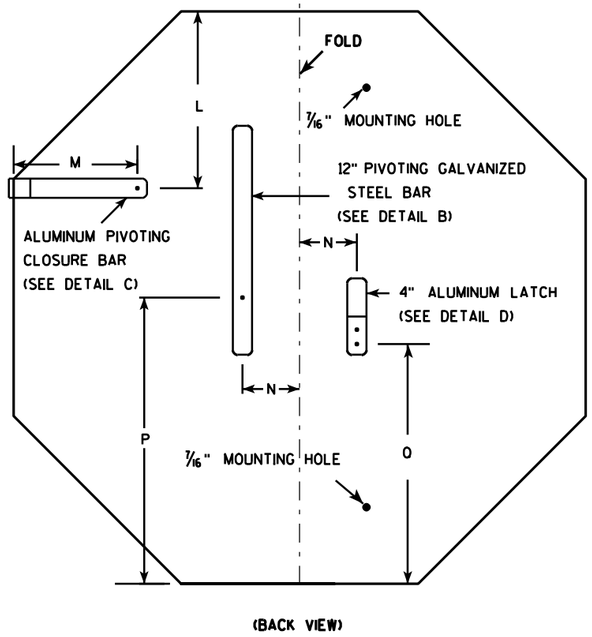
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

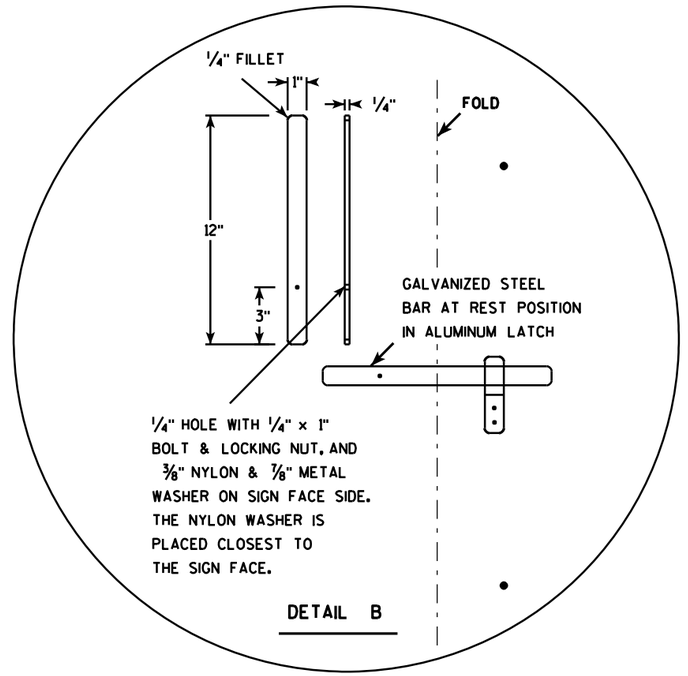
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 389	E



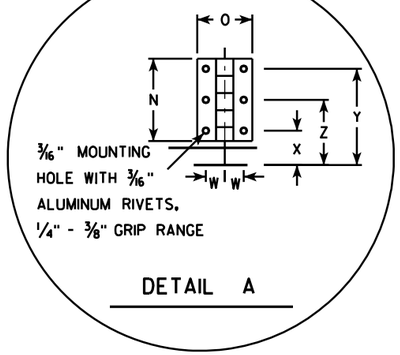


NOTES

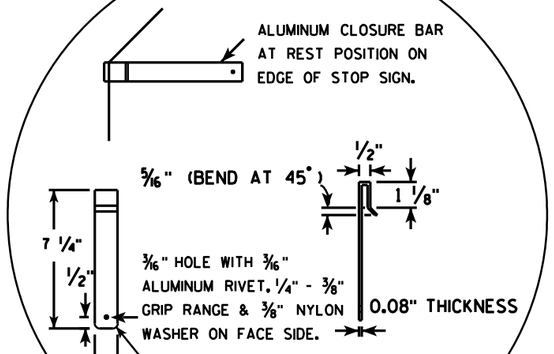
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.



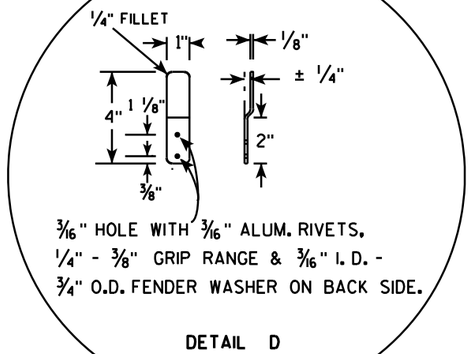
DETAIL B



DETAIL A



DETAIL C



DETAIL D

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																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

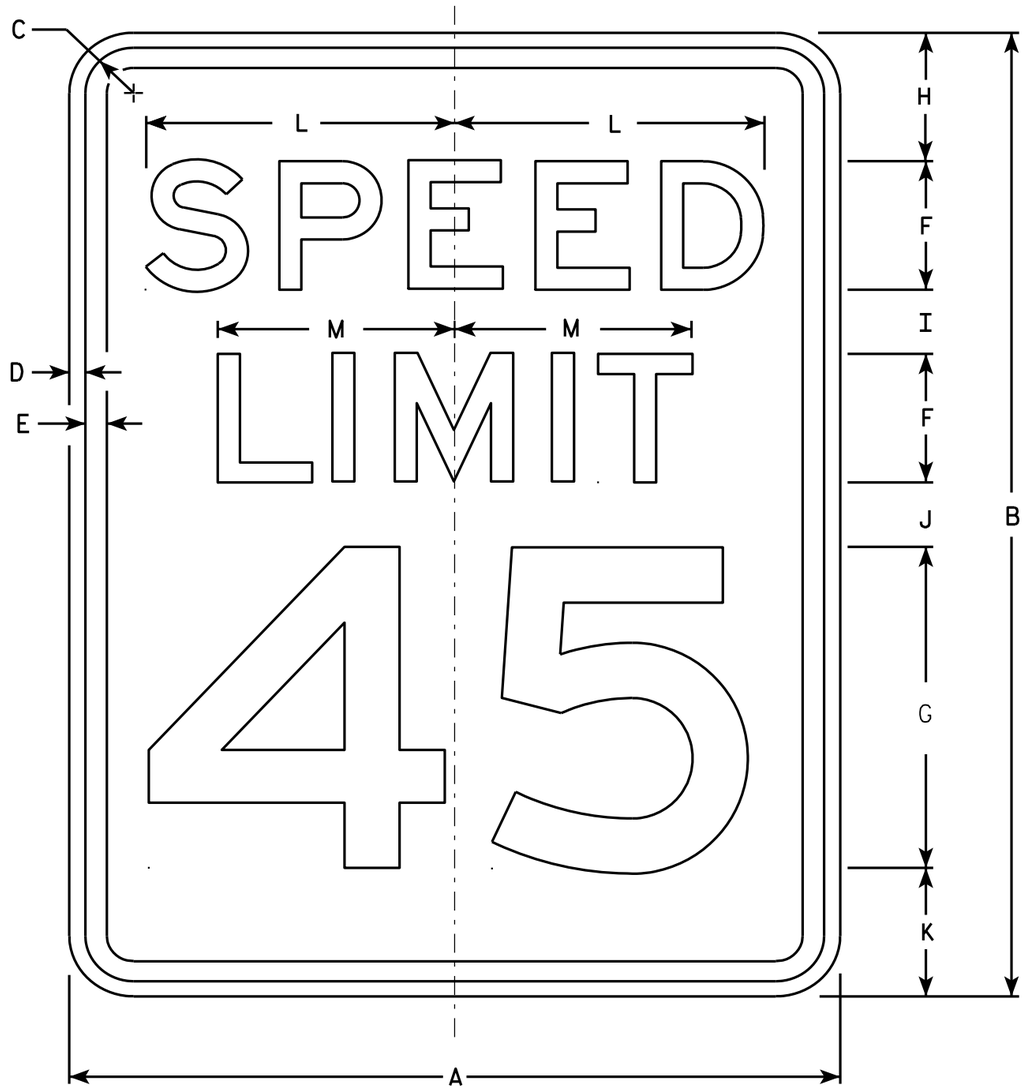
STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 390	E



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

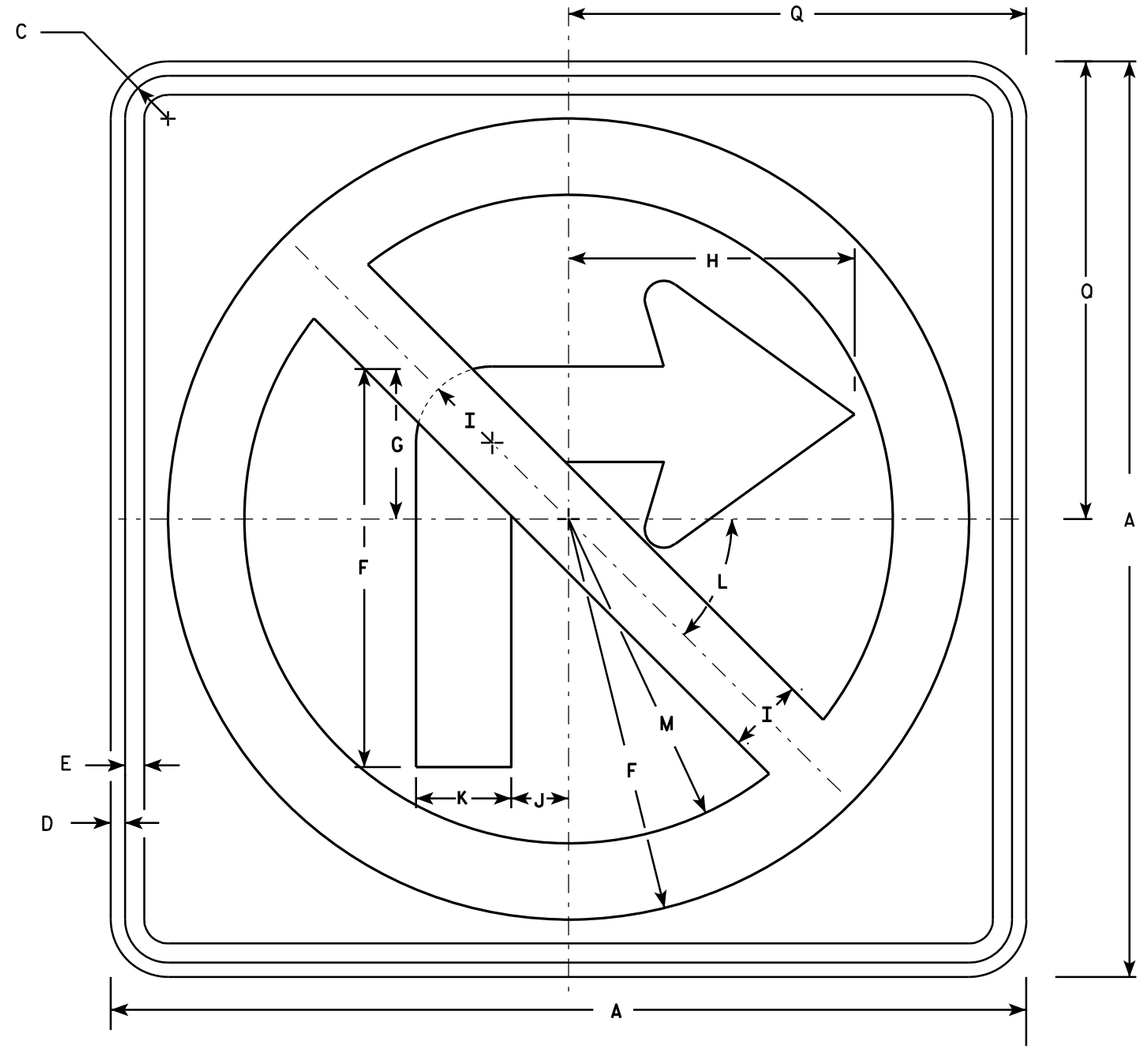
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

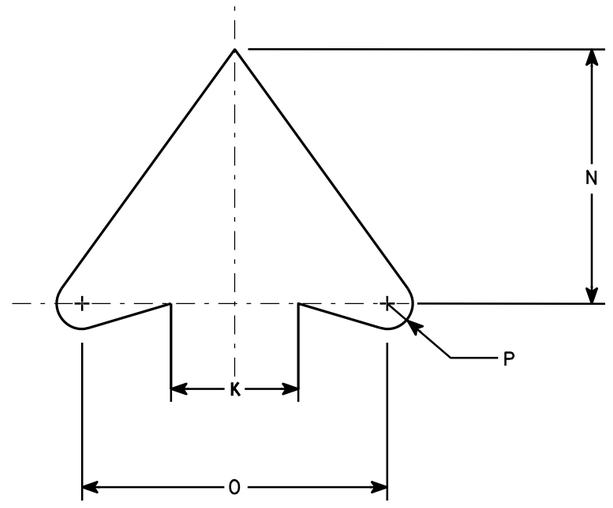
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 391 | E



R3-1

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 - 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 & Arrow are non reflective black, the circle with diagonal bar is reflective red.



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	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

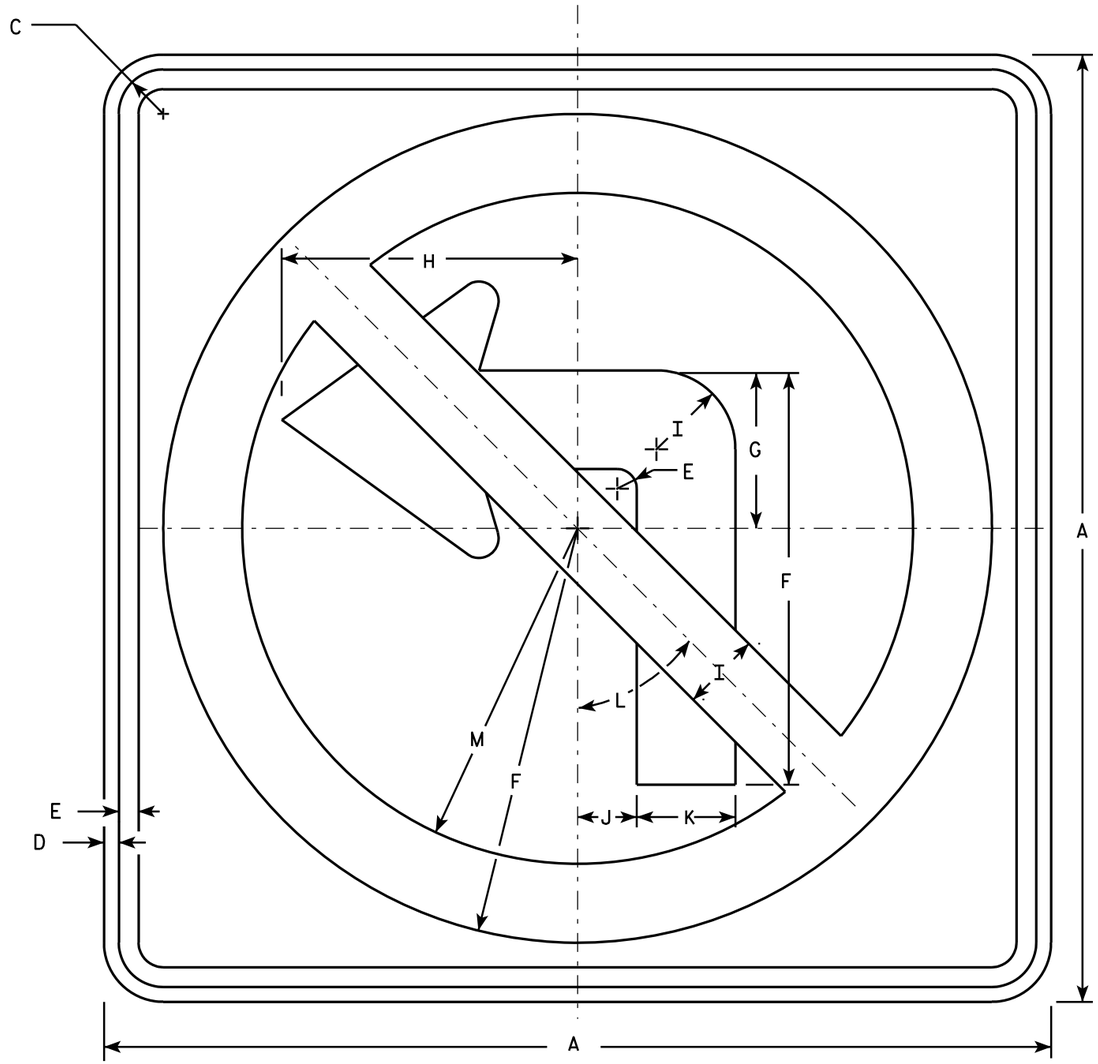
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

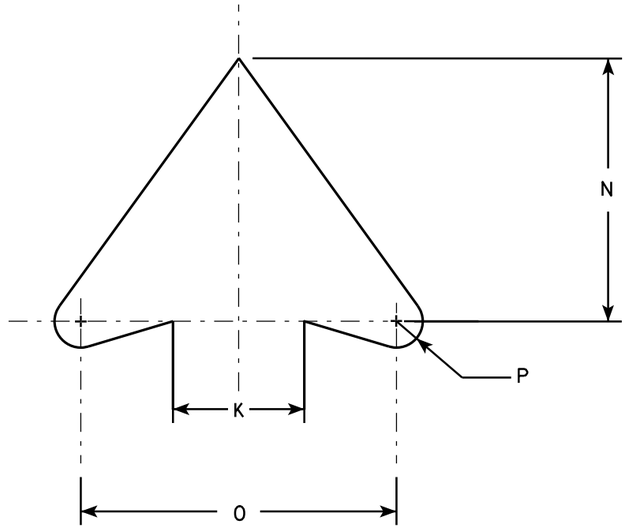
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 392	E



R3-2

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 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 & Arrow are non reflective black, the circle with diagonal bar is reflective red.



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	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

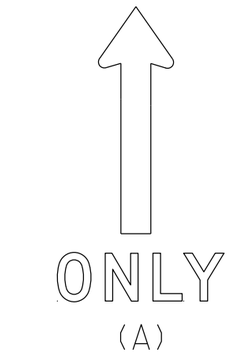
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

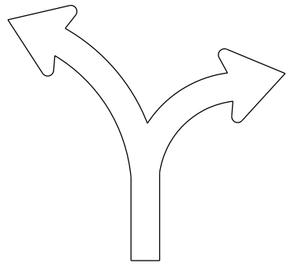
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 393	E

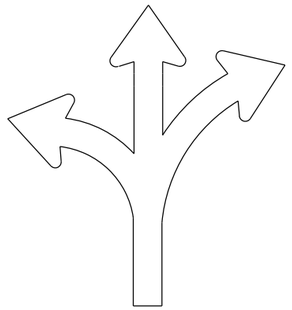


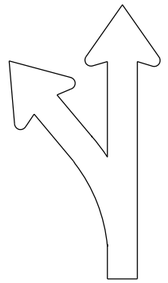
(A)

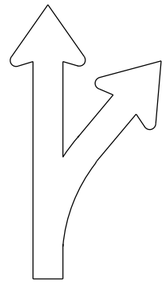


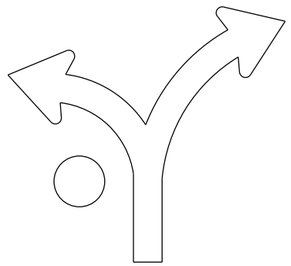
(B)

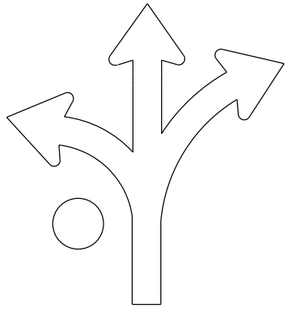

(C)

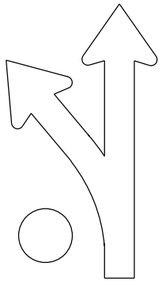

(D)


(E)


(F)

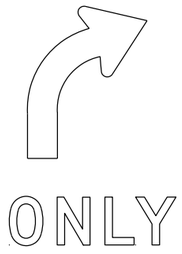

(G)


(H)

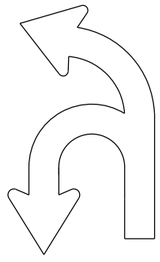

(I)



(L)



(R)


(U)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1	Letter =	3.75 sq ft for Size 2
		6.0 sq ft for Size 3
		10.0 sq ft for Size 4 or 5
2	Letters =	7.5 sq ft for Size 2
		12.0 sq ft for Size 3
		20.0 sq ft for Size 4 or 5
3	Letters =	11.25 sq ft for Size 2
		18.0 sq ft for Size 3
		30.0 sq ft for Size 4 or 5
4	Letters =	15.0 sq ft for Size 2
		24.0 sq ft for Size 3
		40.0 sq ft for Size 4 or 5
5	Letters =	18.75 sq ft for Size 2
		30.0 sq ft for Size 3
		50.0 sq ft for Size 4 or 5
6	Letters =	22.5 sq ft for Size 2
		36.0 sq ft for Size 3
		60.0 sq ft for Size 4 or 5

6. When letters C,D,G,H are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

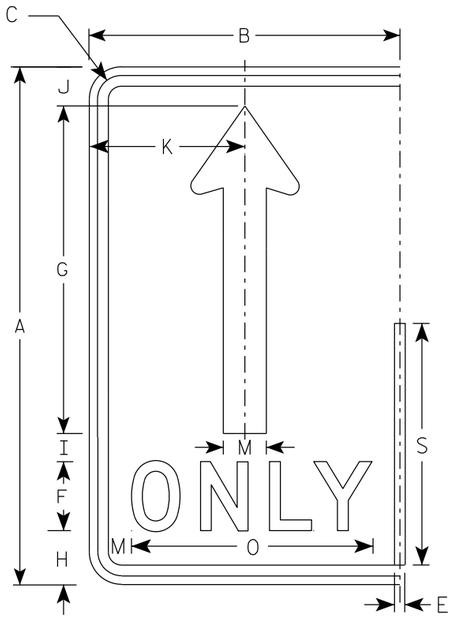
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

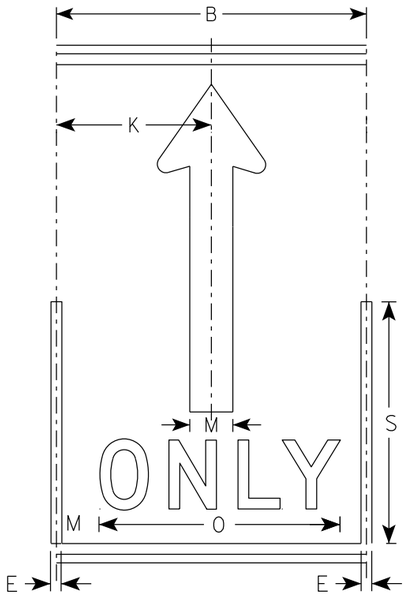
DATE 5/21/19 PLATE NO. R3-8.1

NOTES

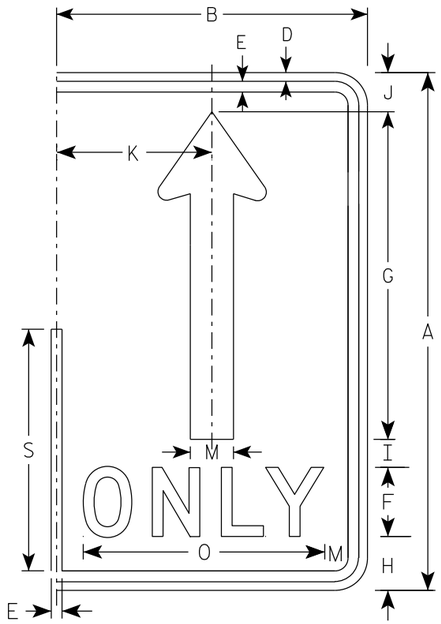
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



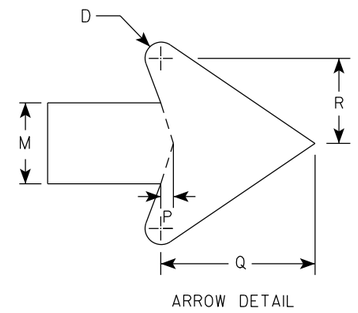
(A)



(A)



(A)



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	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

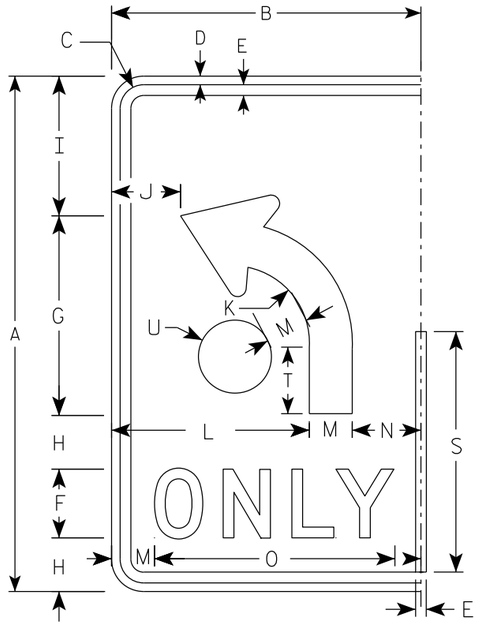
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

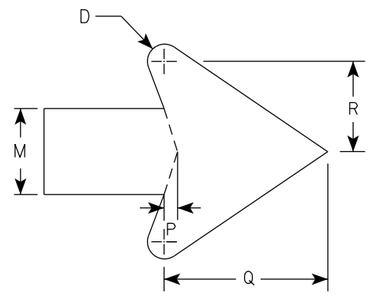
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 395 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



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	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

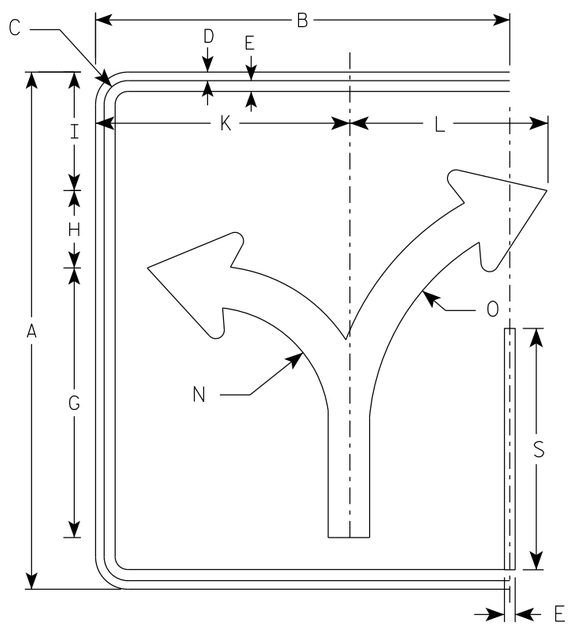
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

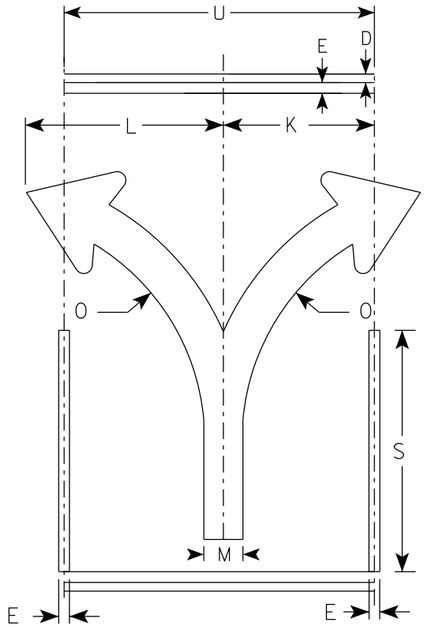
SHEET NO: 396 E

NOTES

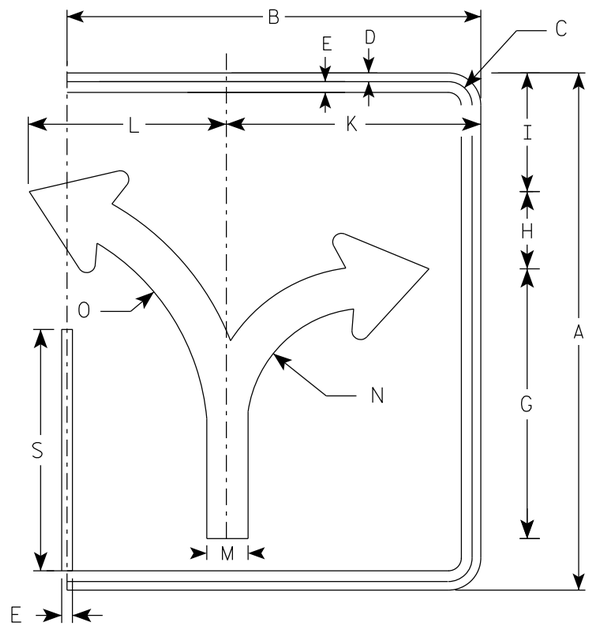
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



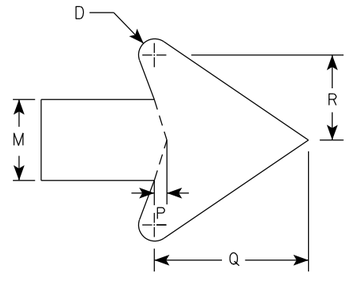
(C)



(C)



(C)



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	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

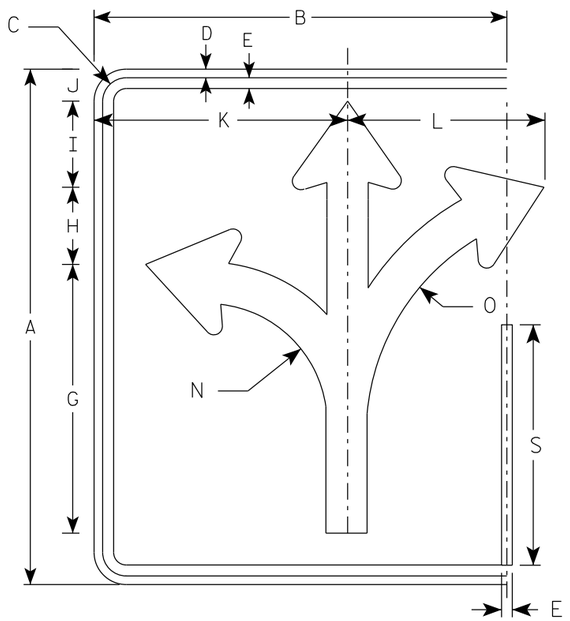
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

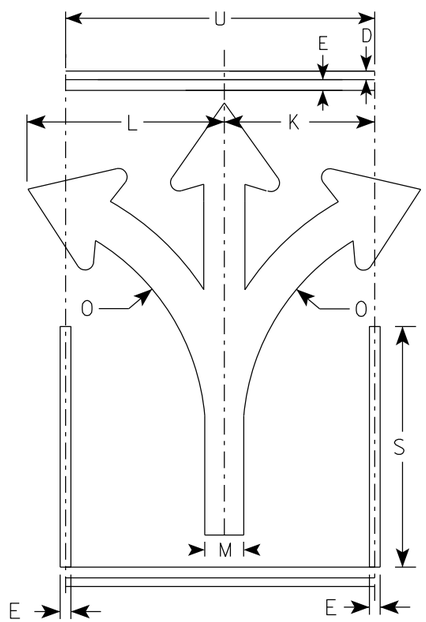
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 397 | E

NOTES

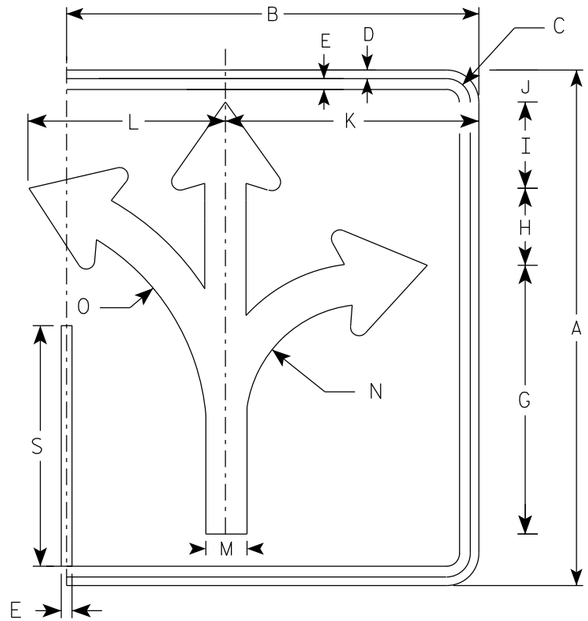
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



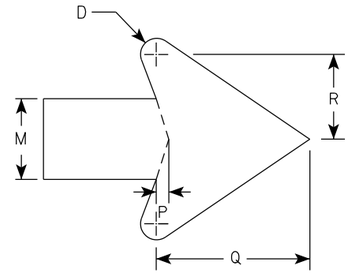
(D)



(D)



(D)



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	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

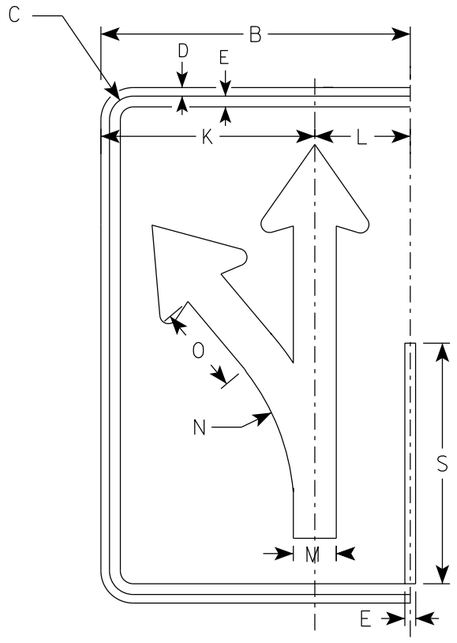
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

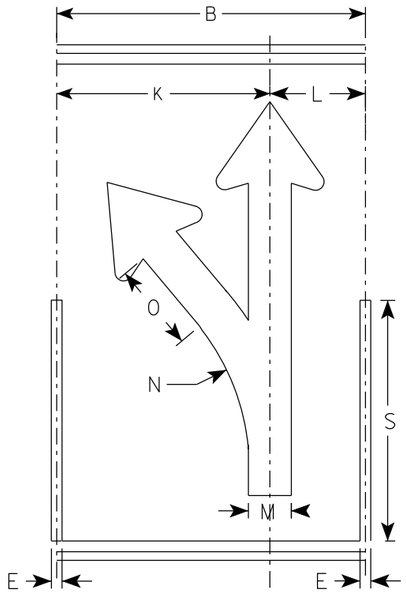
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 398 | E

NOTES

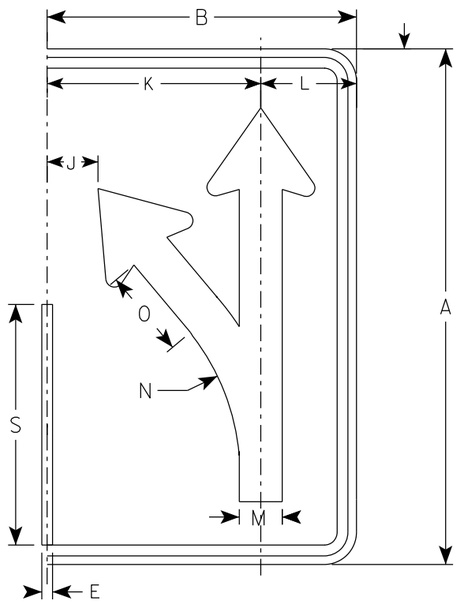
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



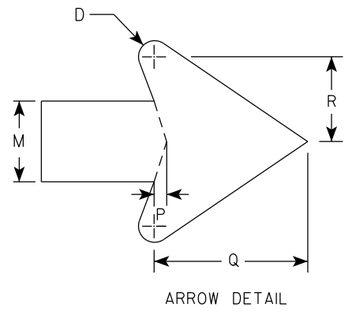
(E)



(E)



(E)



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	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

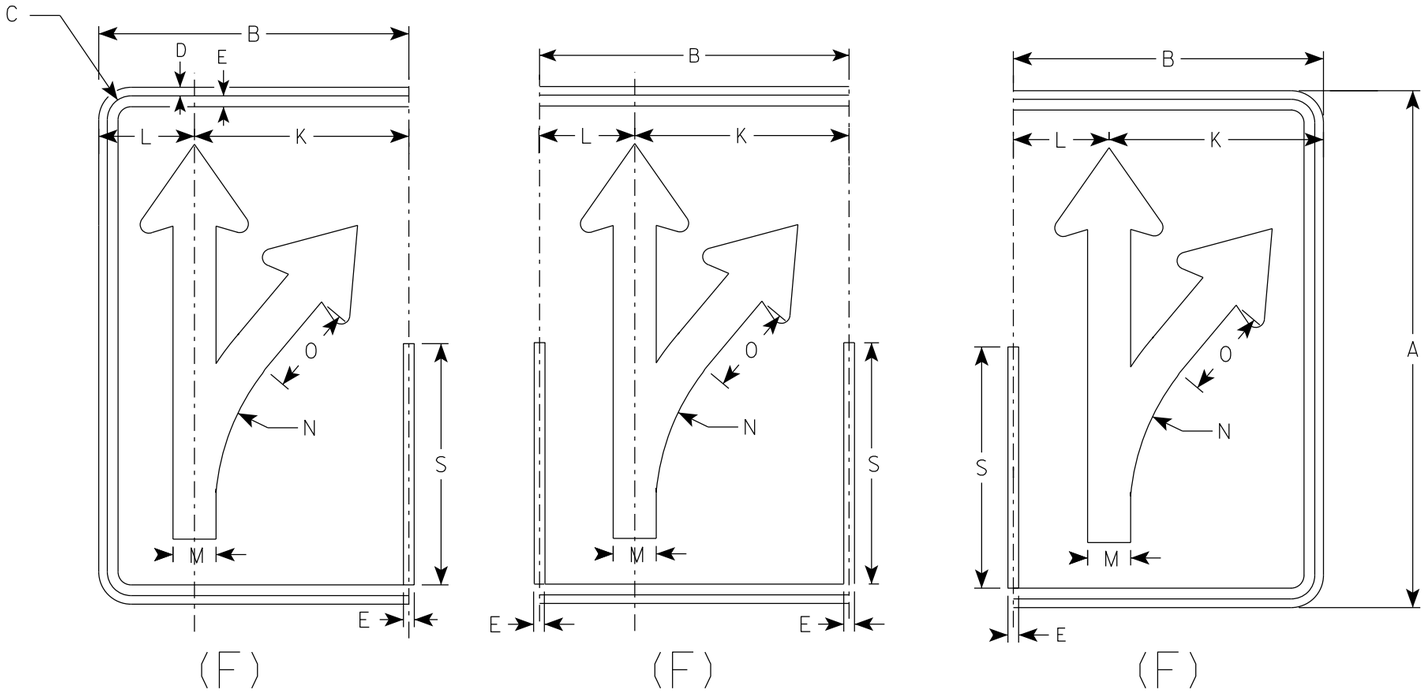
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

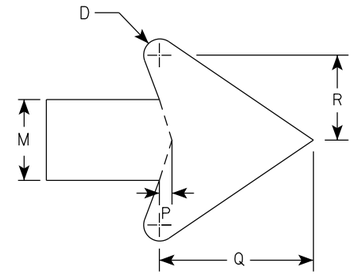
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 399 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(F) (F) (F)



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	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

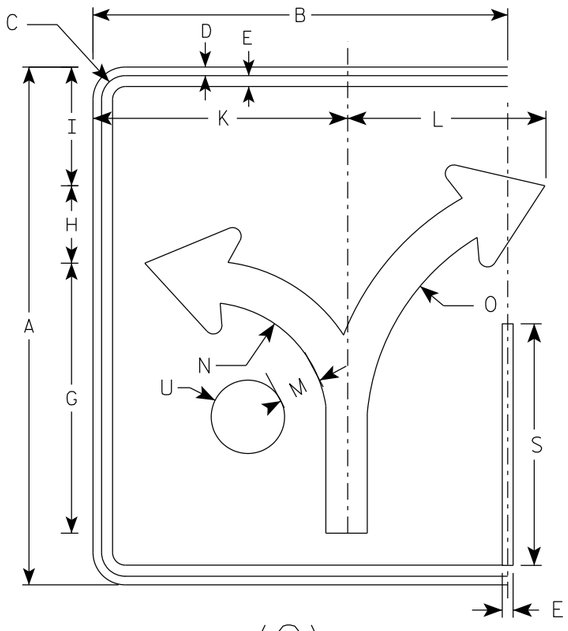
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

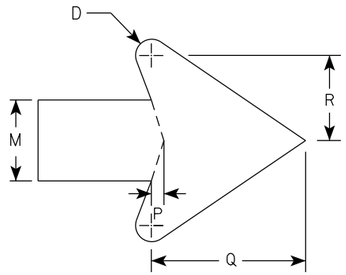
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 400 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



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	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

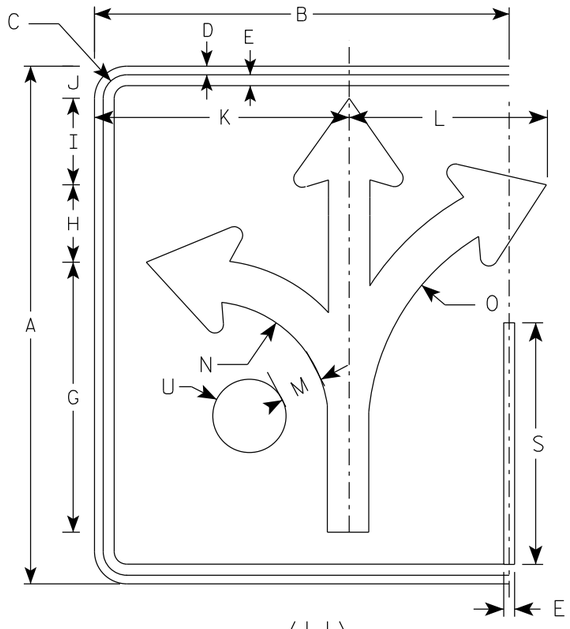
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

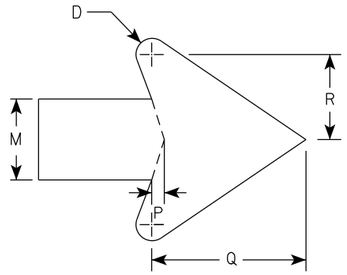
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 401	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



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	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

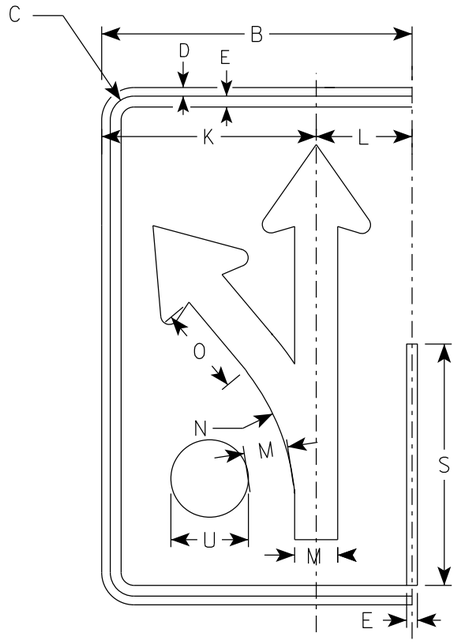
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

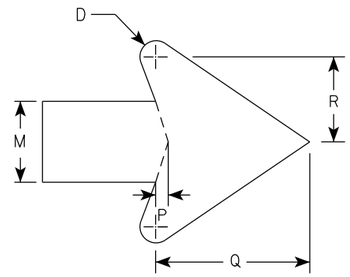
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 402	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



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	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

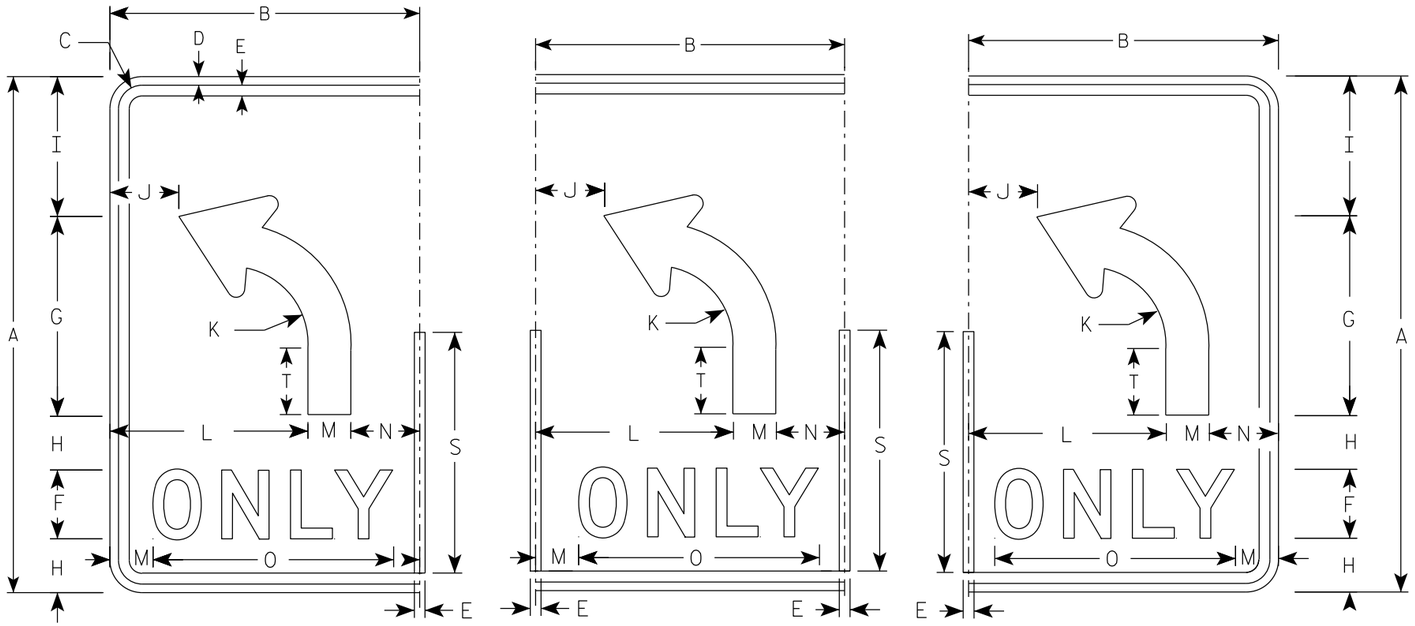
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

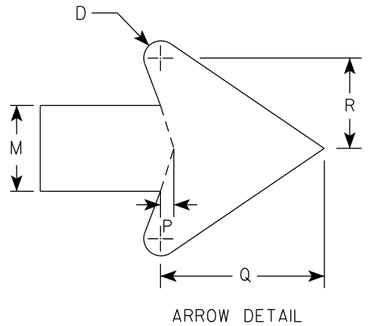
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 403 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



(L) (L) (L)



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	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4		5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

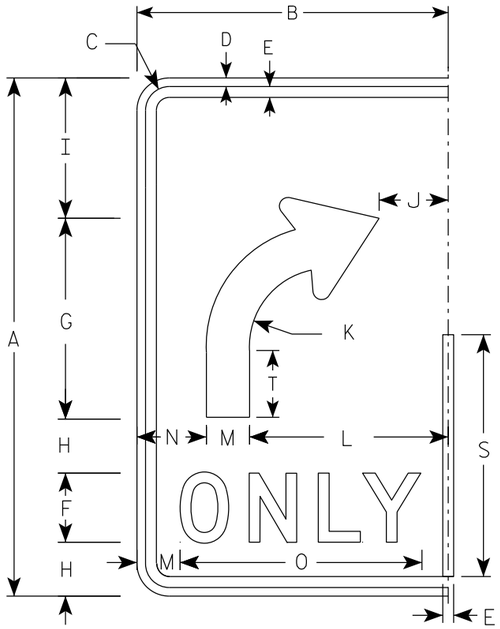
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

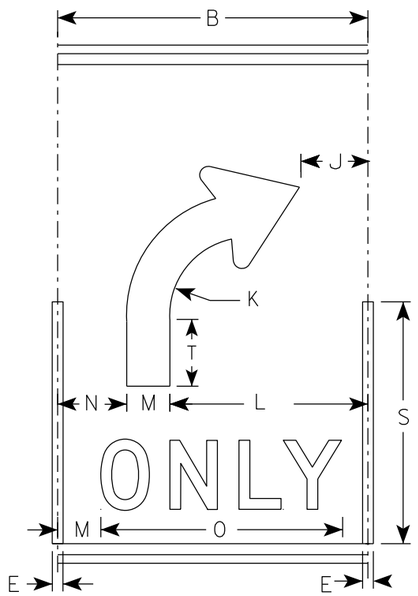
SHEET NO: 404 E

NOTES

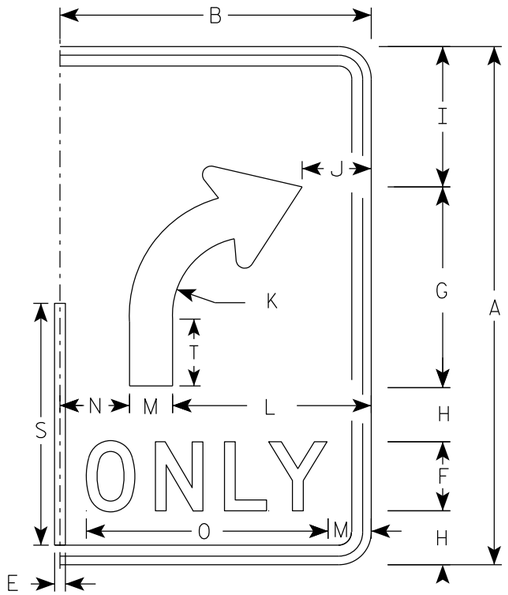
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



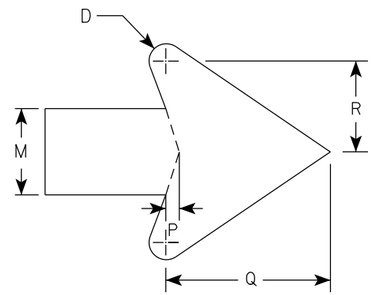
(R)



(R)



(R)



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	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN
R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

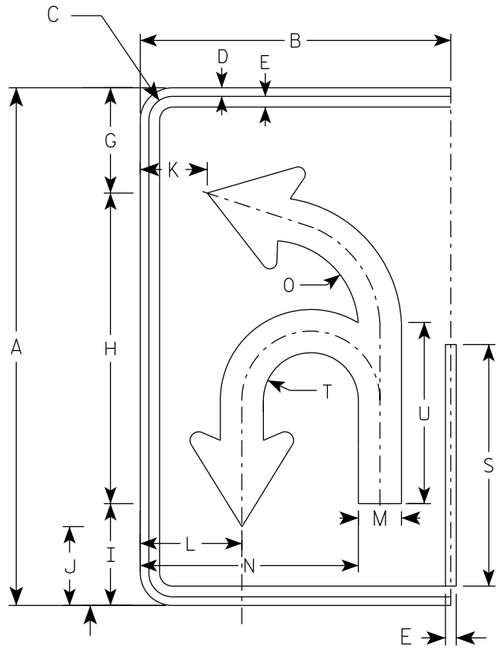
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

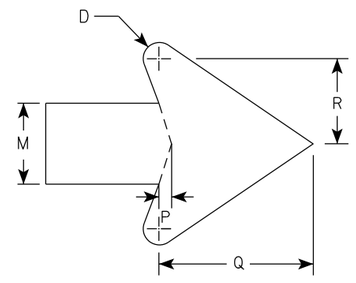
SHEET NO: 405 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(U)



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	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

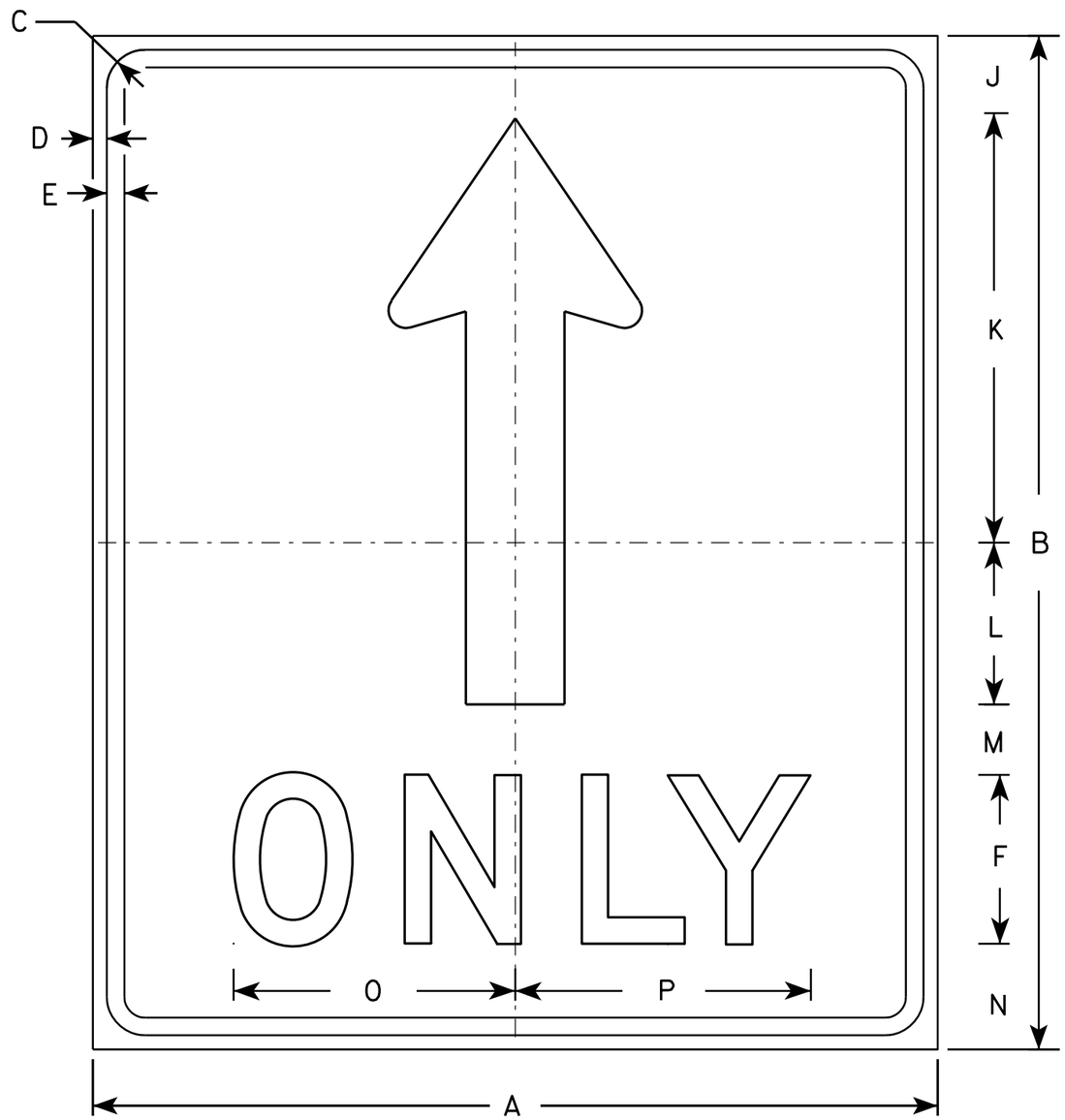
STANDARD SIGN
R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

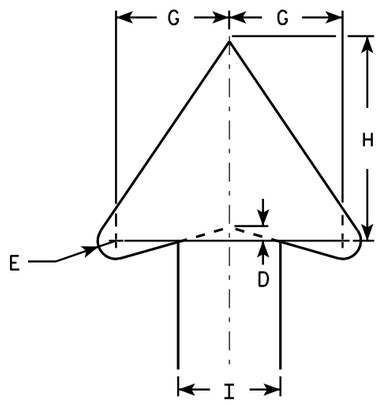
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 406 | E



R3-50A

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.



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	30	36	1 3/8	1/2	5/8	6	4	7	3 1/2	2 3/4	15 1/4	5 3/4	2 1/2	3 3/4	10	10 1/2											7.5
2M	30	36	1 3/8	1/2	5/8	6	4	7	3 1/2	2 3/4	15 1/4	5 3/4	2 1/2	3 3/4	10	10 1/2											7.5
3																											
4																											
5																											

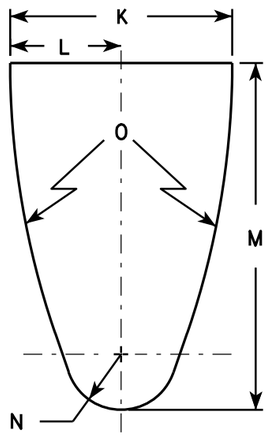
STANDARD SIGN
R3-50A

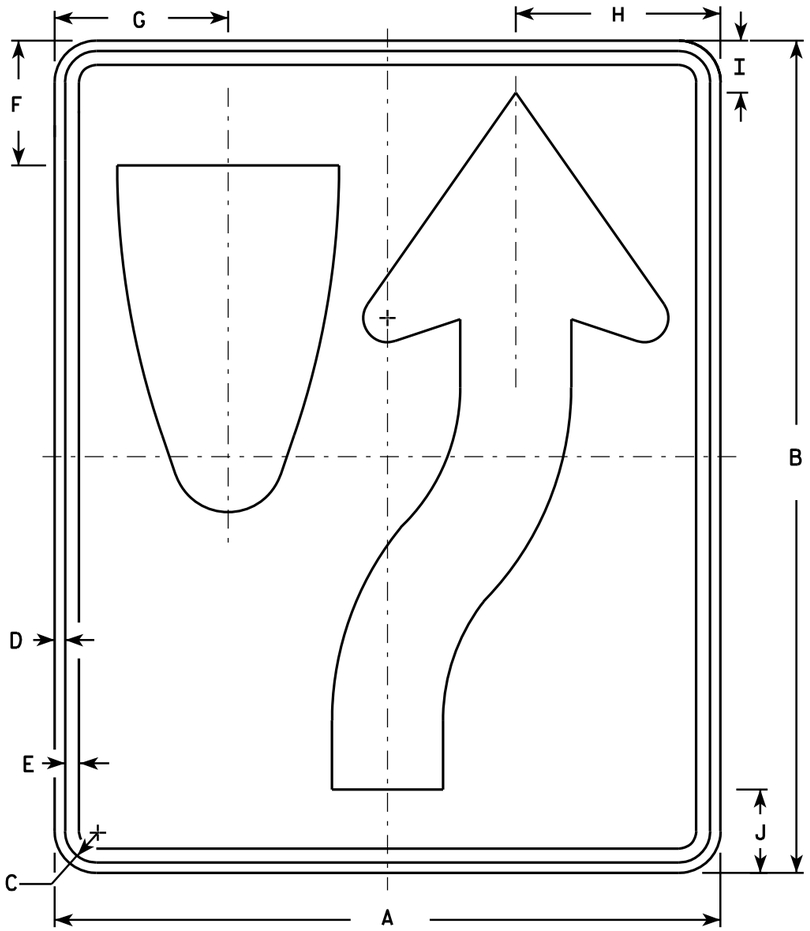
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-50A.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 407	E

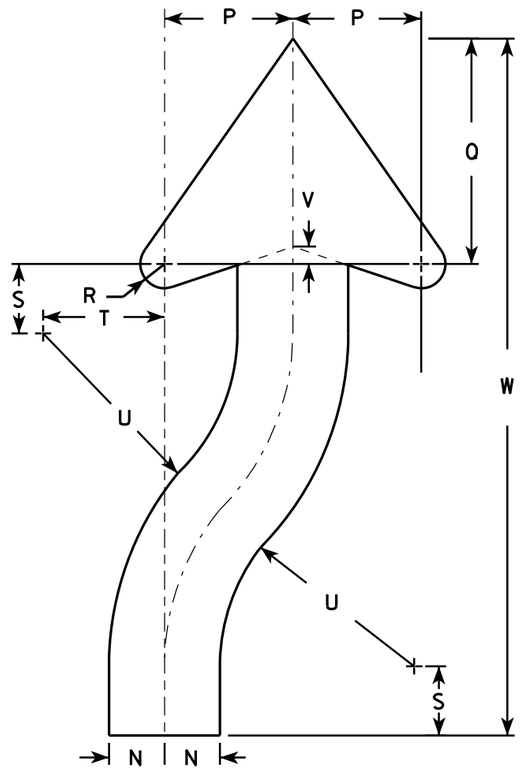




R4-7

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

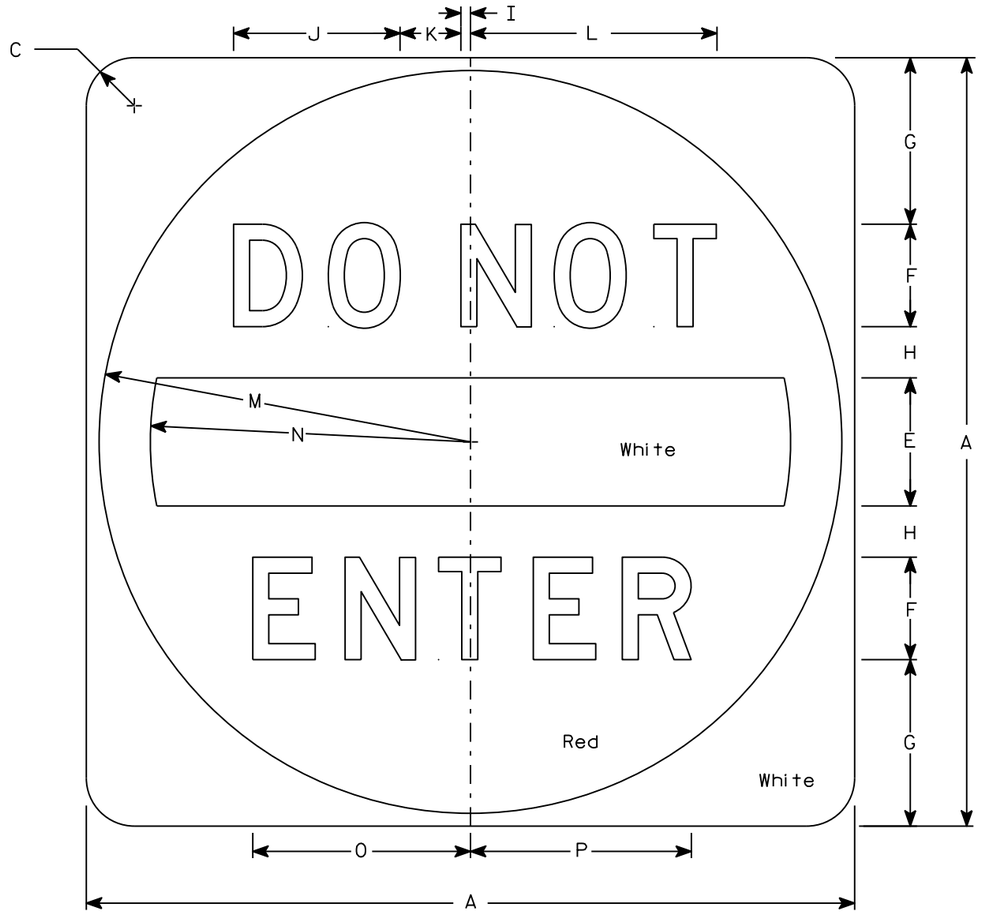
STANDARD SIGN
R4-7 & R4-8

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: 408	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

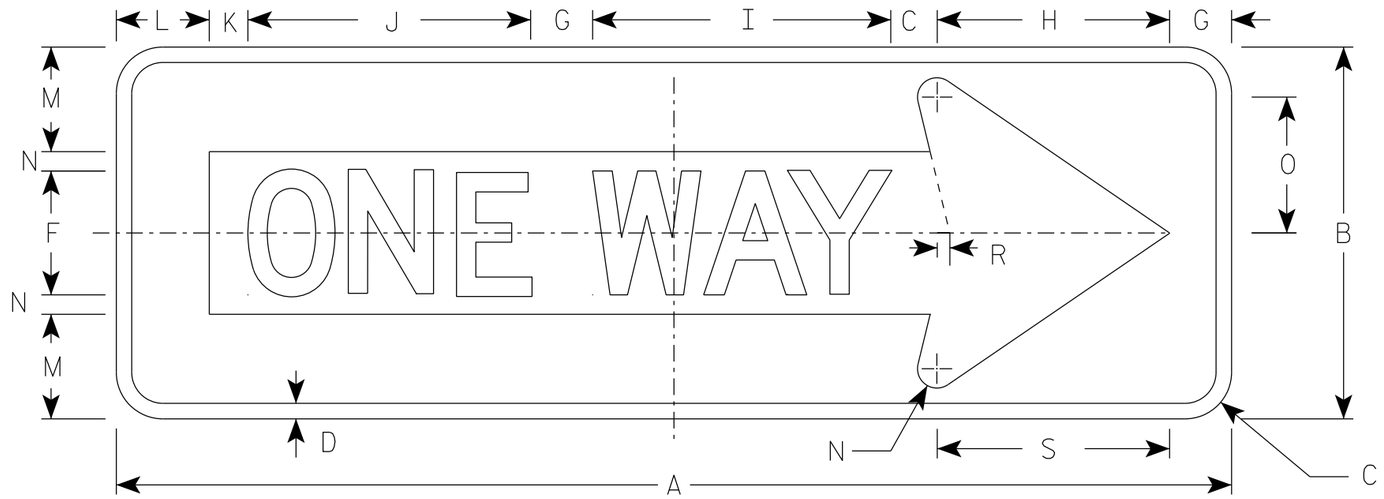
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

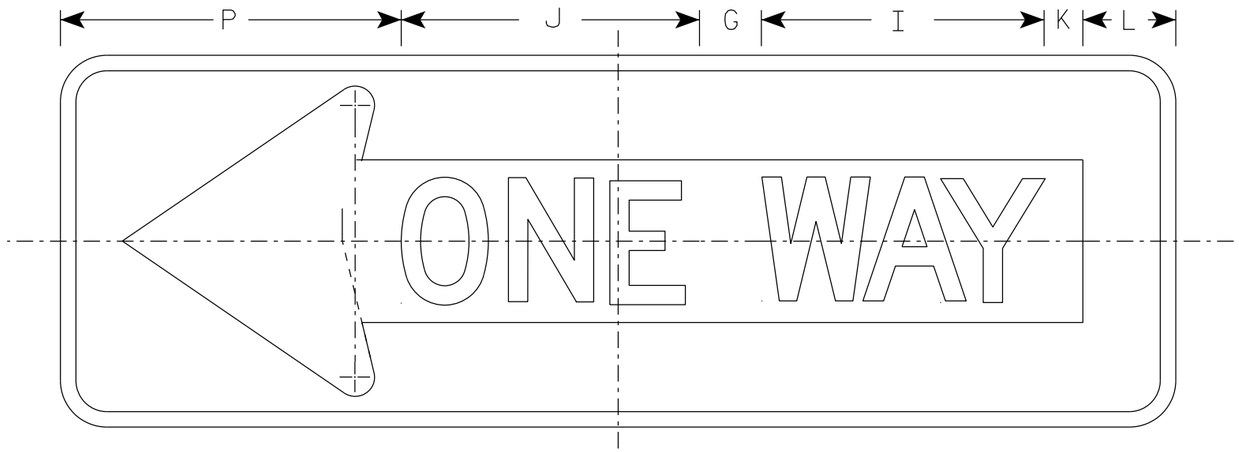
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 409 | E



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

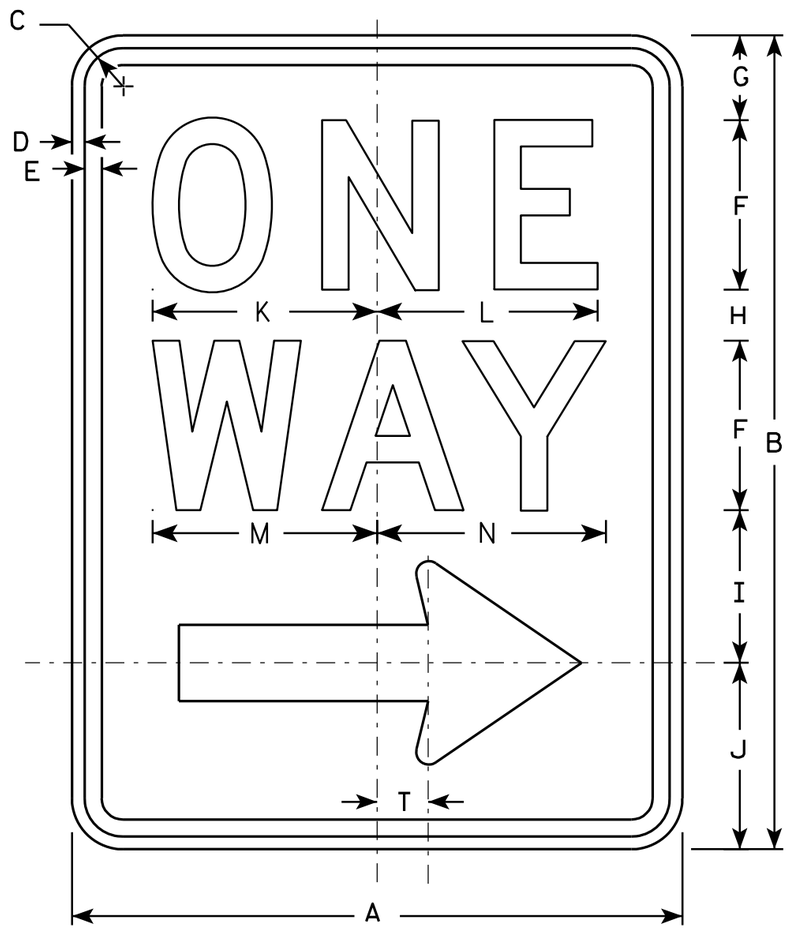
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 07/11/18 PLATE NO. R6-1.3

PROJECT NO:

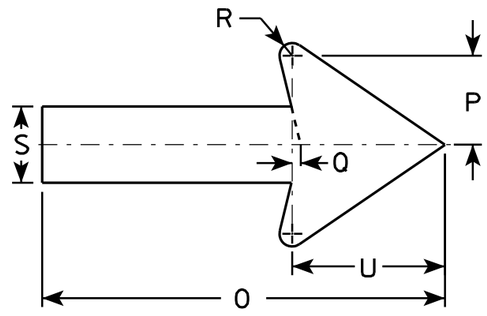
SHEET NO: 410 E



R6-2R

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.
5. R6-2L same as R6-2R except arrow points to the left.



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
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

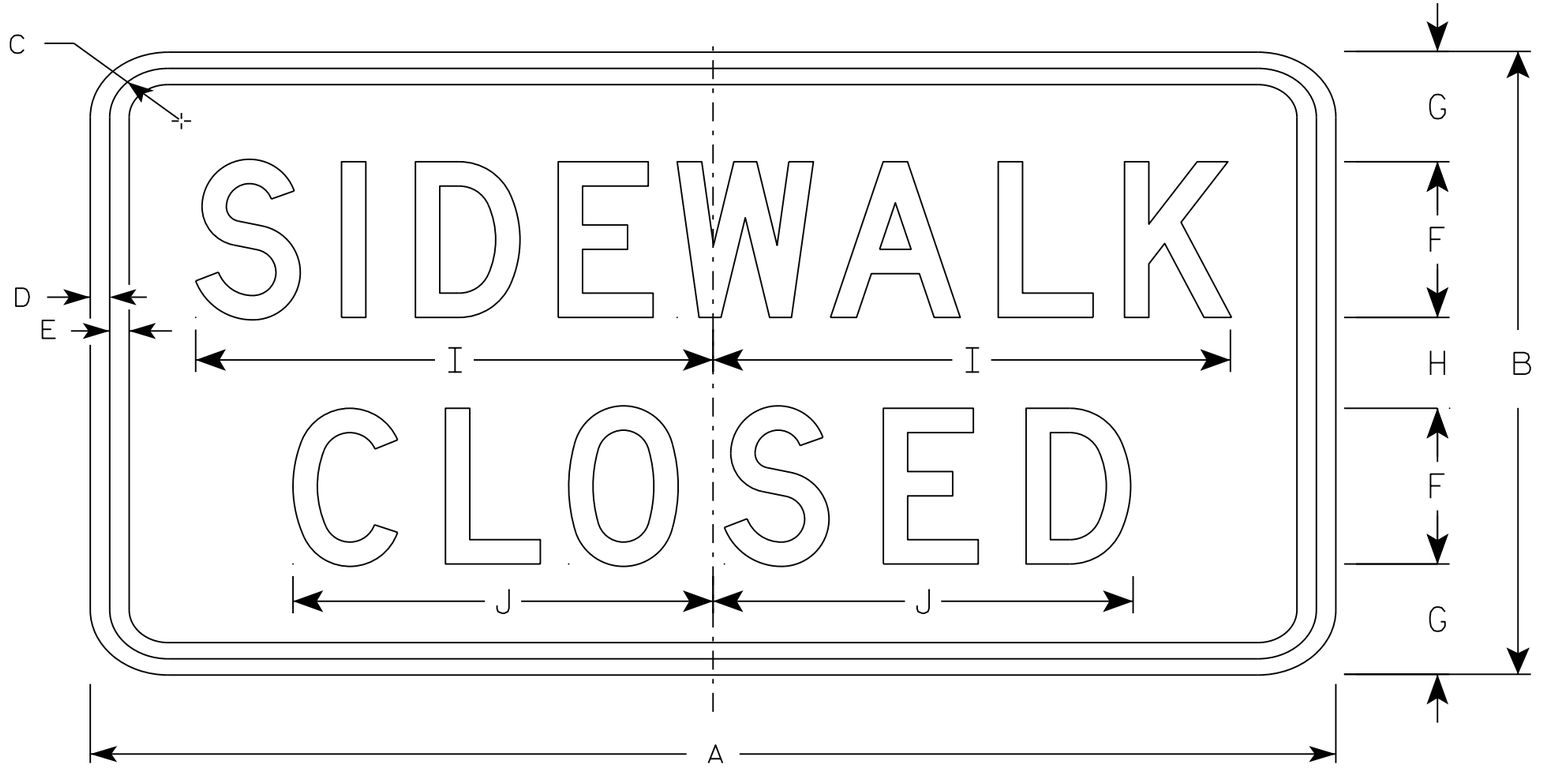
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 411	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

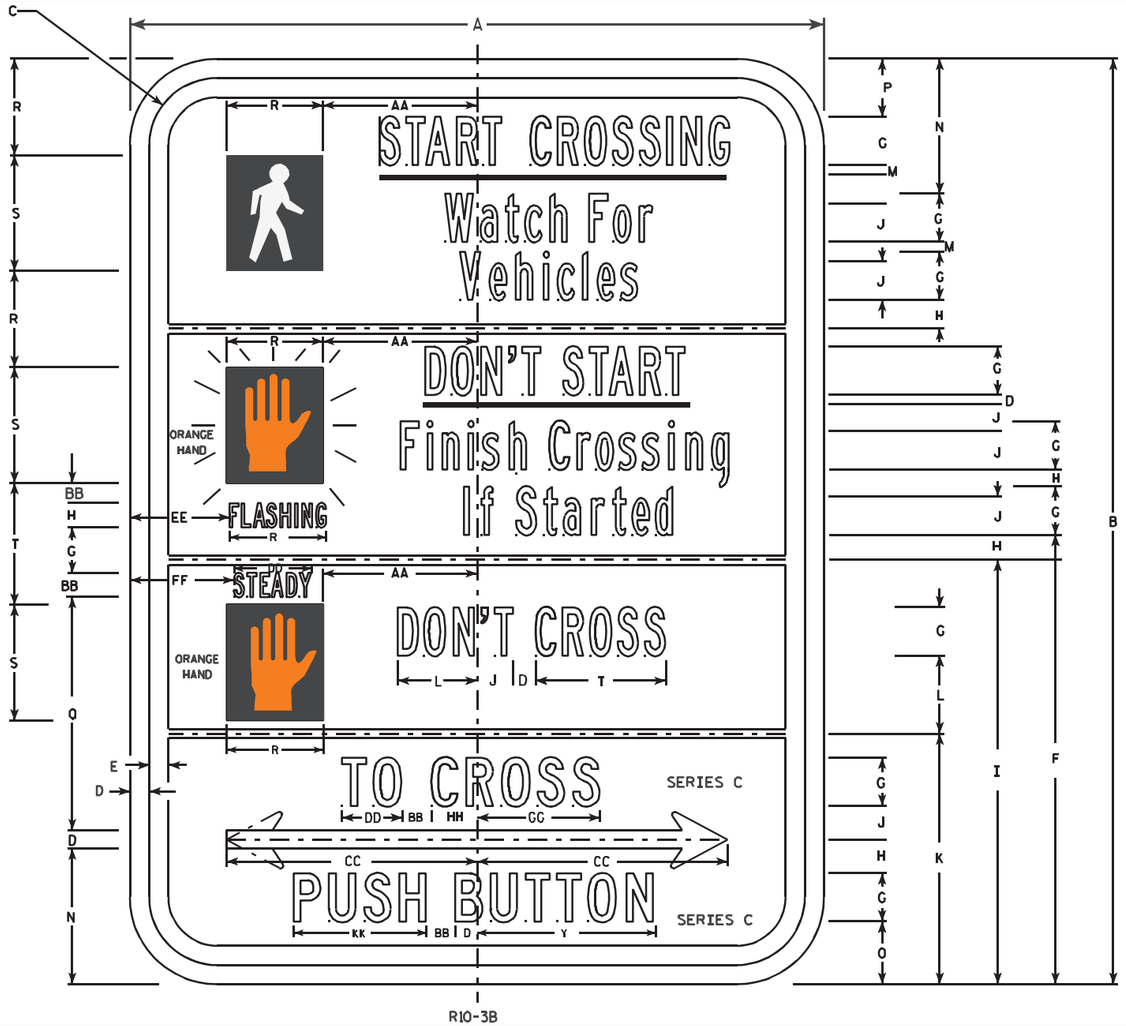
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/11/16 PLATE 412 R9-9.6

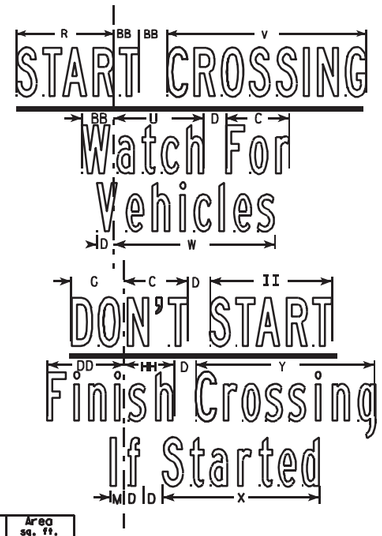
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

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



NOTES

1. All Signs Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK except Hand Symbol which is Orange with black background.
3. Message Series - B or as noted on the sign.
4. R10-3BR (right arrow)
   R10-3BL (left arrow)
   R10-3BD (double arrow)



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	1/2	1/8	1/8	4 1/4	1/2	1/8	4 1/8	3/8	2 3/8	7/8	1/8	1 3/8	5/8	5/8	2 1/4	7/8	1 1/8	1 1/4	3/4	1 3/4	1 5/8	1 3/8	1 1/2	5/8	0.38
2S	9	12	7/8	1/4	1/4	5 7/8	5/8	3/8	5 1/2	1/2	3 1/4	1	1/8	1 3/4	7/8	3/4	3	1 1/4	1 1/2	1 5/8	1 1/8	2 5/8	2 1/8	2	2 3/8	1 3/8	0.75
2M	9	12	7/8	1/4	1/4	5 7/8	5/8	3/8	5 1/2	1/2	3 1/4	1	1/8	1 3/4	7/8	3/4	3	1 1/4	1 1/2	1 5/8	1 1/8	2 5/8	2 1/8	2	2 3/8	1 3/8	0.75
3																											
4																											
5																											

SIZE	AA	BB	CC	DD	EE	FF	GG	HH	II	JJ	KK	LL	MM	NN	OO	PP	QQ	RR	SS	TT	UU	VV	WW	XX	YY	ZZ	Area sq. ft.
1	1 1/2	1/4	2 1/4	5/8	5/8	5/8	1 1/8	3/8	1	1/2	1 1/8																
2S	2	3/8	3 1/4	1	1 1/4	1 3/8	1 5/8	5/8	1 5/8	3/4	1 3/4																
2M	2	3/8	3 1/4	1	1 1/4	1 3/8	1 5/8	5/8	1 5/8	3/4	1 3/4																
3																											
4																											
5																											

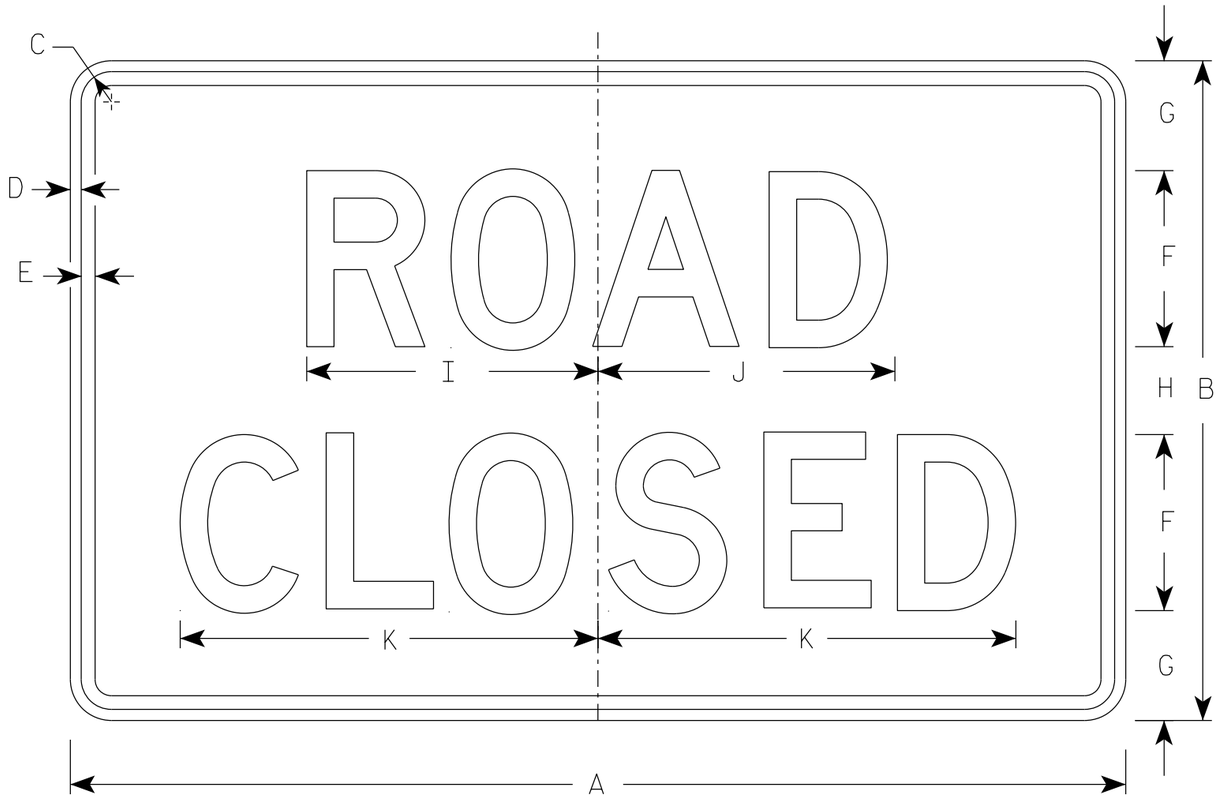
STANDARD SIGN
R10-3B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/12/11 PLATE NO. R10-3B.2

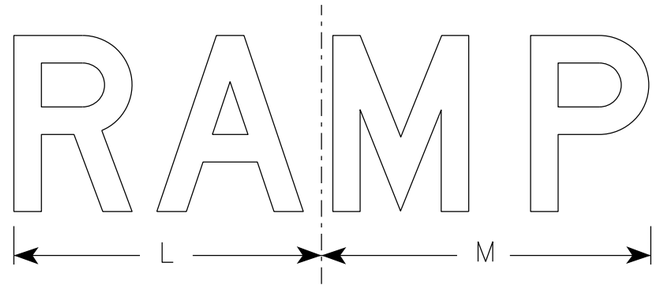
PROJECT NO: | SHEET NO: E



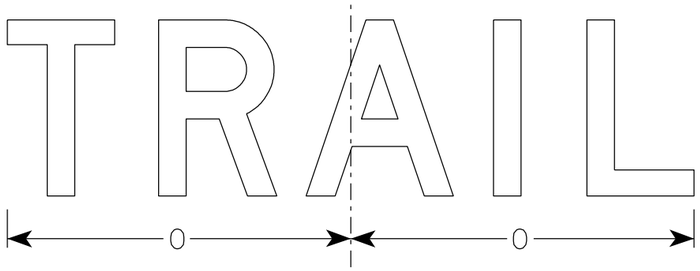
R11-2

NOTES

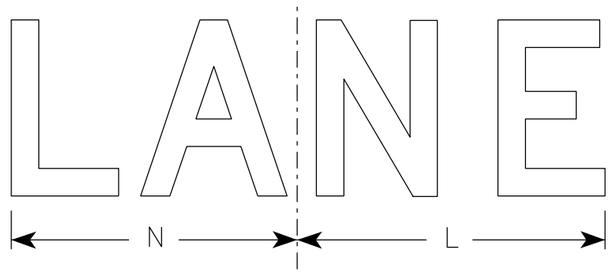
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the 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

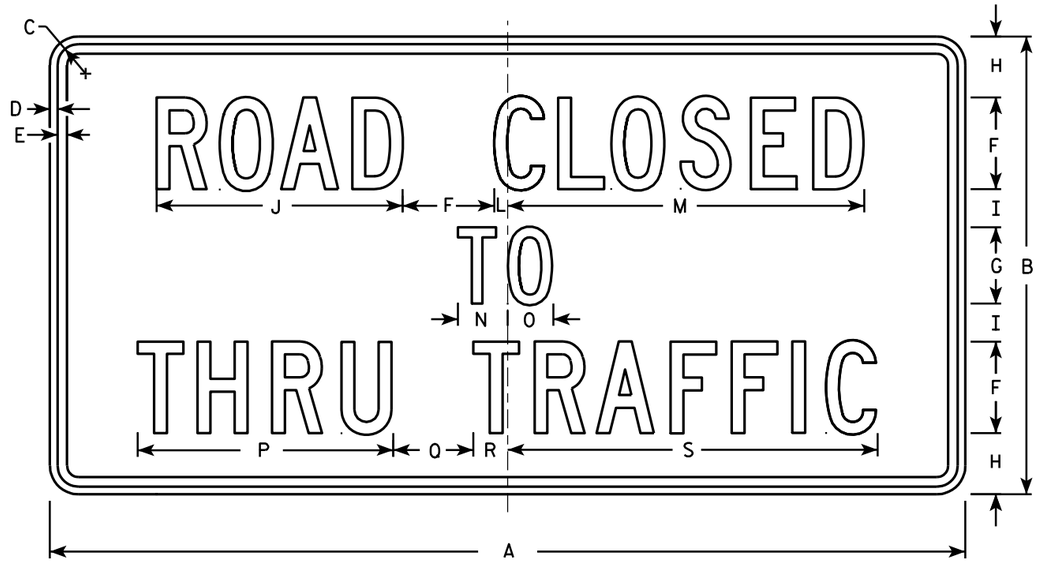
STANDARD SIGN
R11-2

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: 414 E



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																											

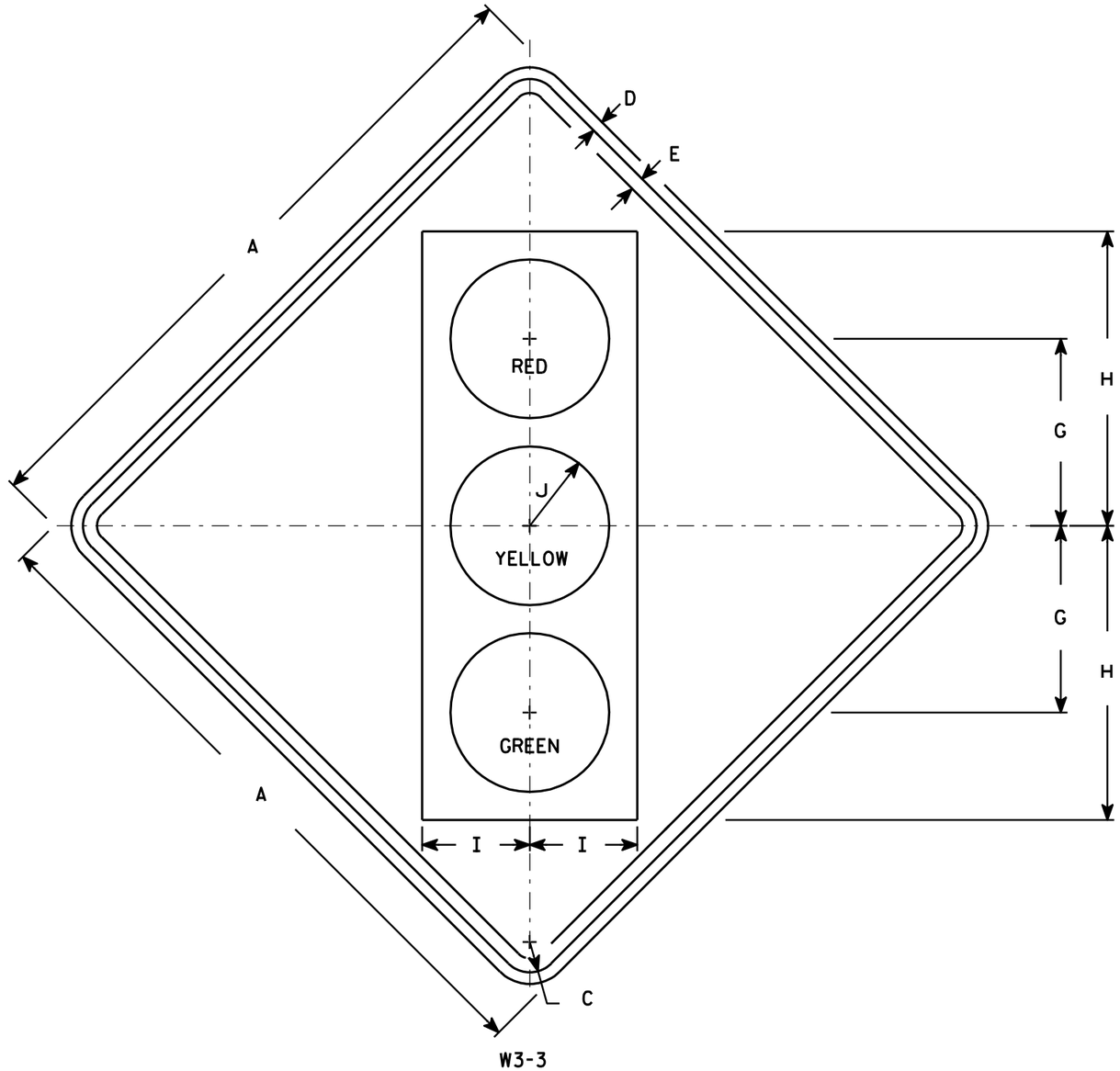
STANDARD SIGN
R11 - 4

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: 415	E



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 - 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. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

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		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

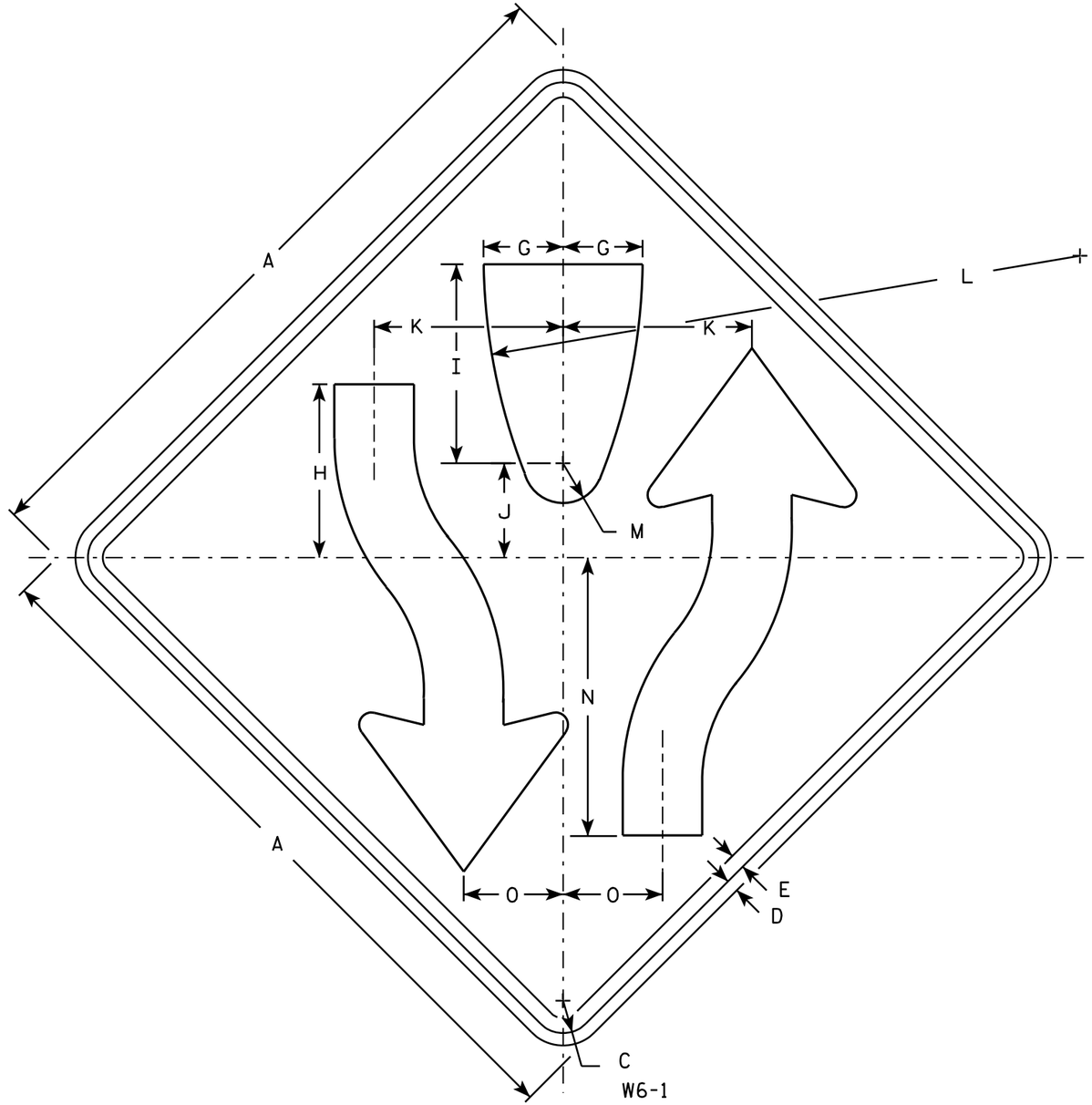
STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

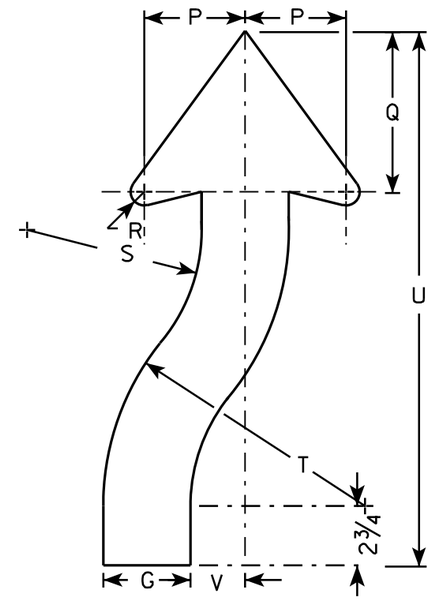
DATE 6/7/10 PLATE NO. W3-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 416 | E



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.
4. W6-2 same as W6-1 but is rotated 180° when mounted.



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		3 1/4	8	8 1/4	4 1/8	7 7/8	25	1 3/4	11 5/8	4 1/8	3 7/8	6 3/4	5/8	6 5/8	9 7/8	21 5/8	2					6.25
2S	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
2M	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
3																											
4	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
5	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0

STANDARD SIGN
W6-1 & W6-2

WISCONSIN DEPT OF TRANSPORTATION

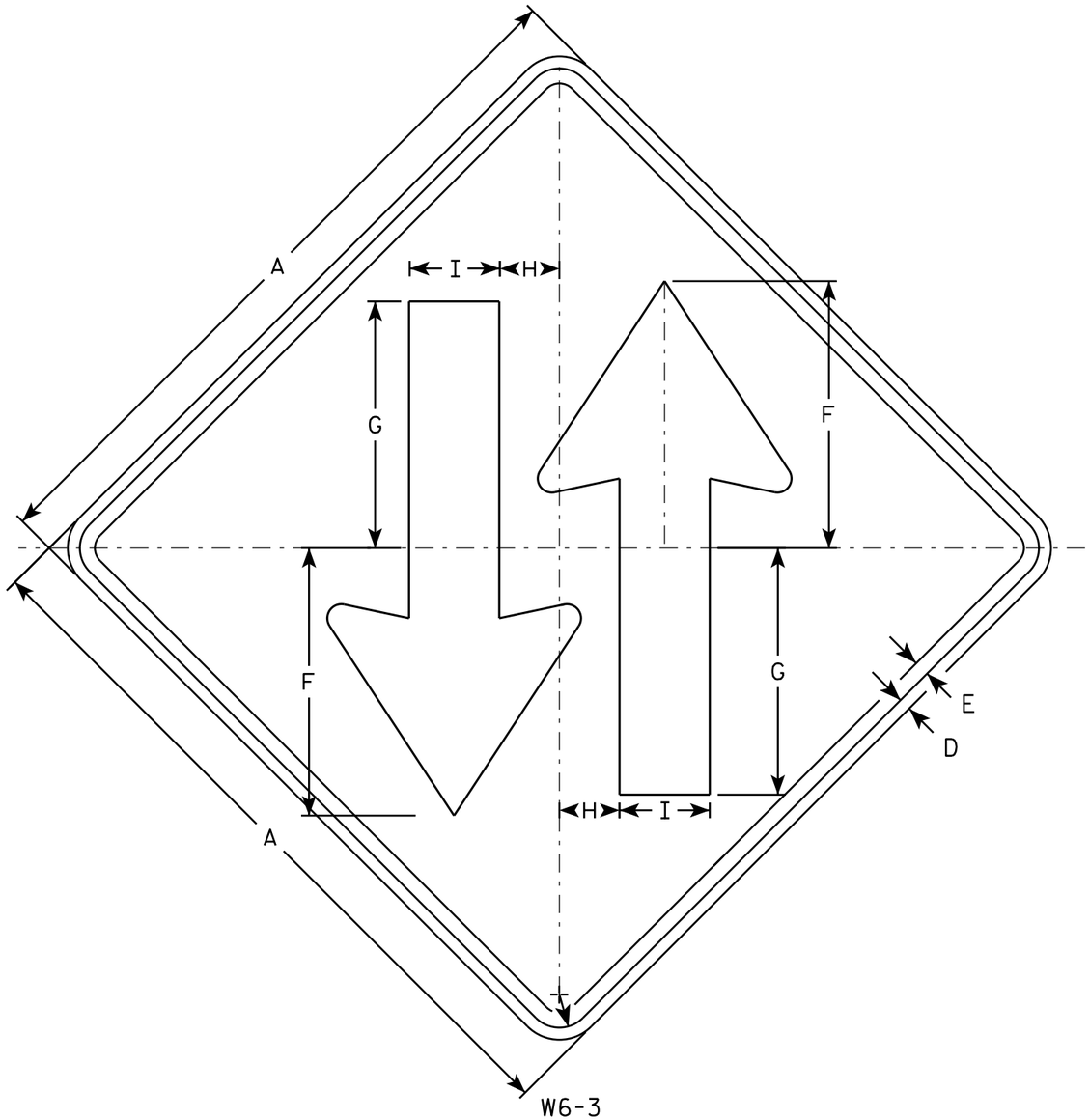
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W6-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 417	E

7

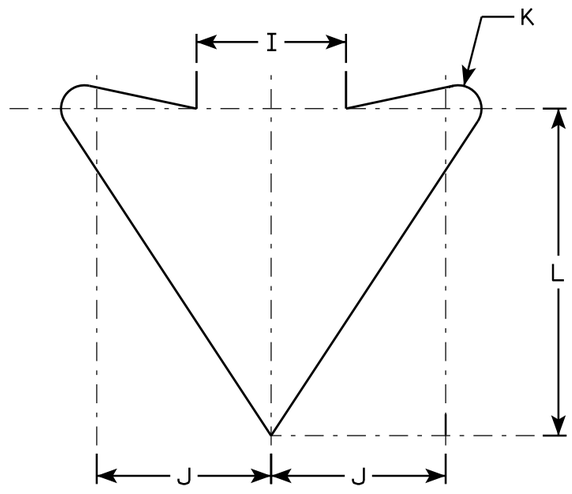
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W61.DGN PLOT DATE : 12-MAR-2013 14:02 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.946657:1.000000
WISDOT/CADDS SHEET 42



W6-3

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.



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	11 1/8	10 1/4	2 1/2	3 3/4	4 3/8	5/8	8 1/4															6.25
2S	36		1 5/8	5/8	3/4	13 3/8	12 1/4	3	4 1/2	5 1/4	3/4	9 7/8															9.0
2M	36		1 5/8	5/8	3/4	13 3/8	12 1/4	3	4 1/2	5 1/4	3/4	9 7/8															9.0
3																											
4	48		2 1/4	3/4	1	17 3/4	16 3/8	4	6	7	1	13 1/8															16.0
5	48		2 1/4	3/4	1	17 3/4	16 3/8	4	6	7	1	13 1/8															16.0

STANDARD SIGN
W6-3

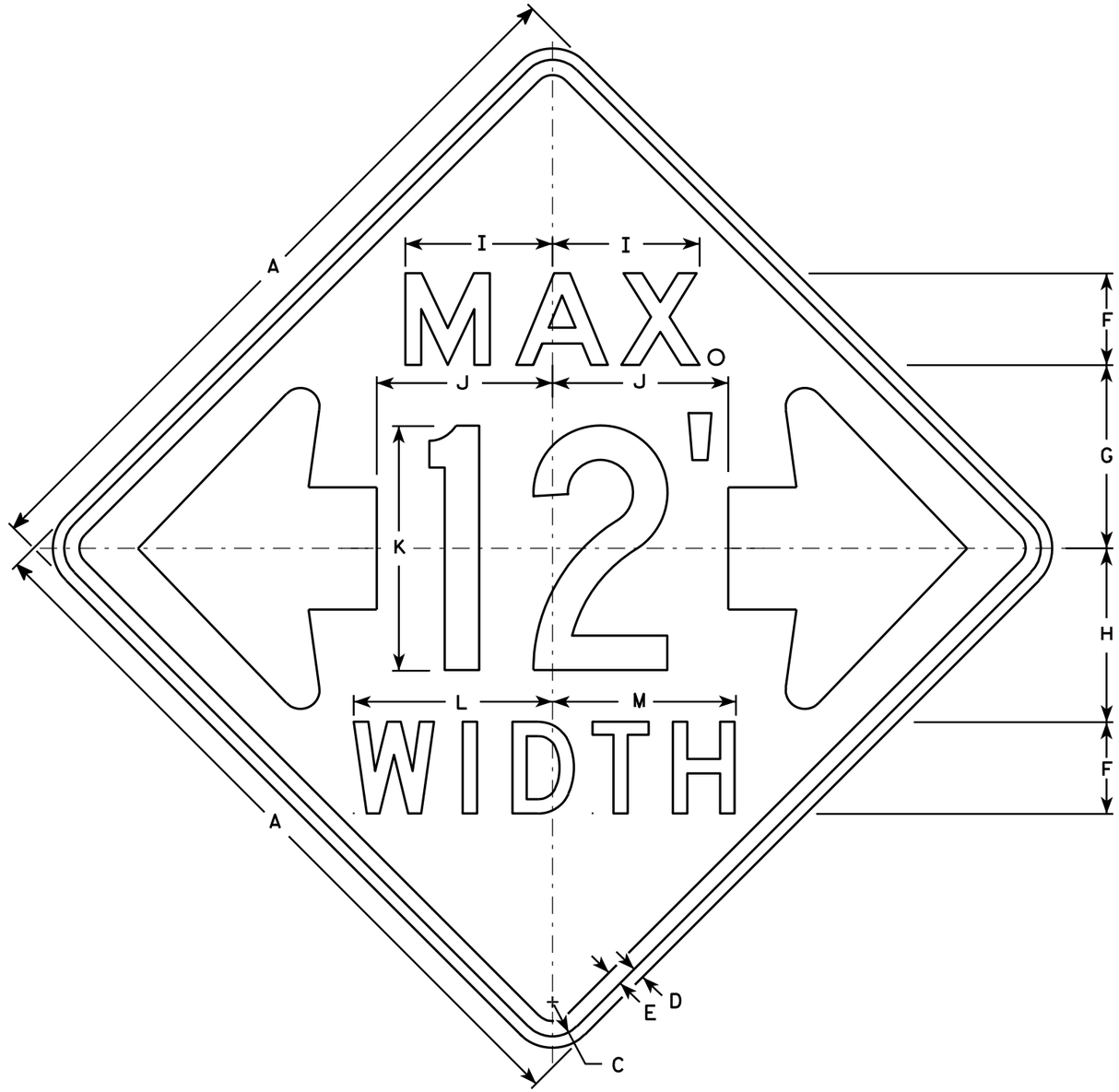
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/10/16 PLATE W6-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

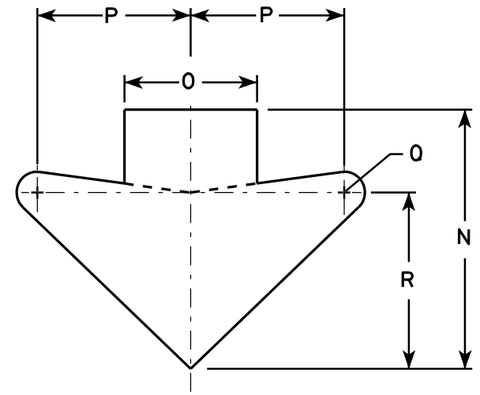
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W63.DGN PLOT DATE : 10-MAR-2016 14:01 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.080757:1.000000
WISDOT/CADDS SHEET 42



W12-52

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. The top line is series E, the numerals are series C, and the bottom line is series D.
6. Substitute appropriate numerals and adjust spacing as required.



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	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
2M	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
3																											
4																											
5																											

STANDARD SIGN
W12-52

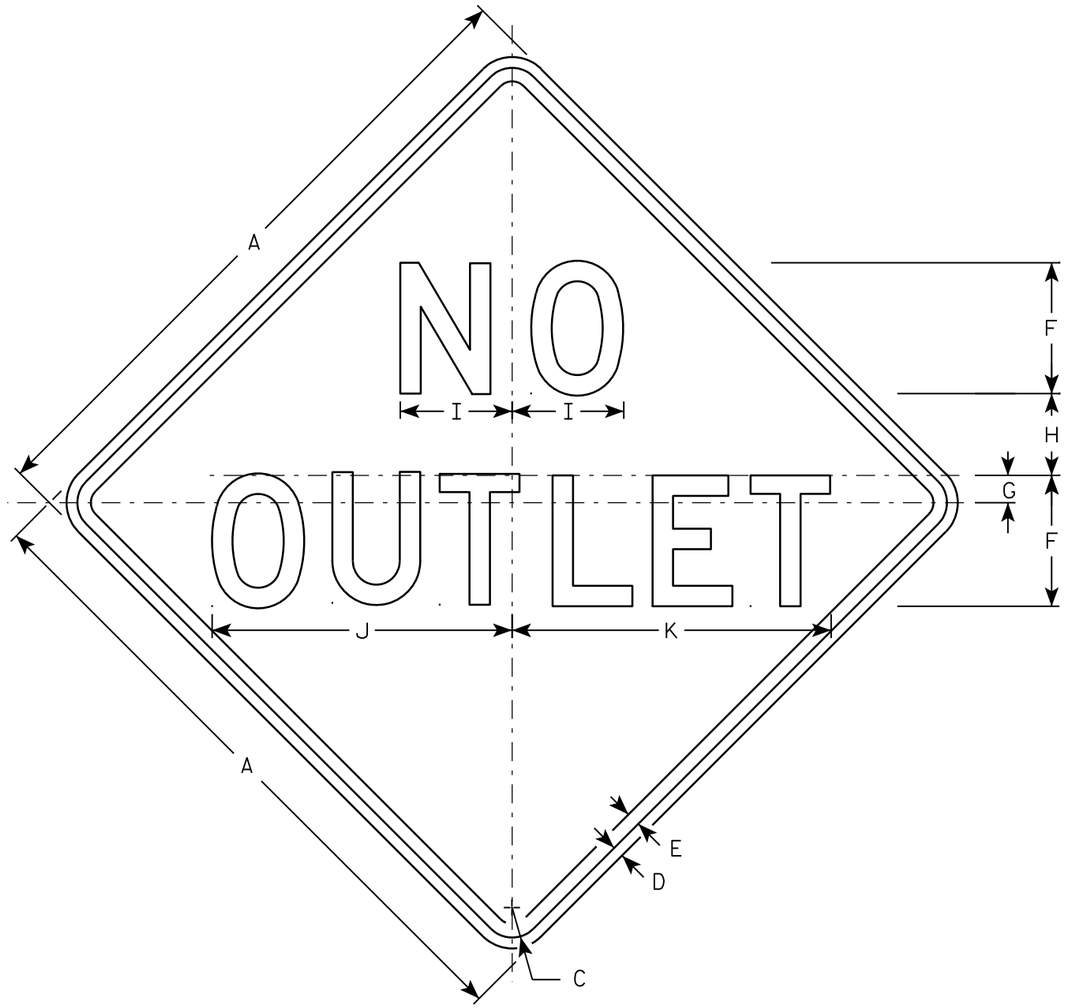
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/11 PLATE NO. W12-52.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 419 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W1252.DGN PLOT DATE : 16-MAR-2011 14:45 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.137199:1.000000
WISDOT/CADDS SHEET 42



W14-2

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 3/4	4 1/8	11 3/4	12 3/8																4.0
2S	30		1 3/8	1/2	5/8	6	1 1/4	3 3/4	5 1/8	13 3/4	14 5/8																6.25
2M	30		1 3/8	1/2	5/8	6	1 1/4	3 3/4	5 1/8	13 3/4	14 5/8																6.25
3	36		1 5/8	5/8	3/4	7	1 3/8	4 5/8	6	16 1/8	17 1/8																9.0
4																											
5																											

STANDARD SIGN
W14-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W14-2.3

PROJECT NO:

SHEET NO: 420 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W142.DGN PLOT DATE : 13-MAR-2013 13:30 PLOT BY : mscj9h

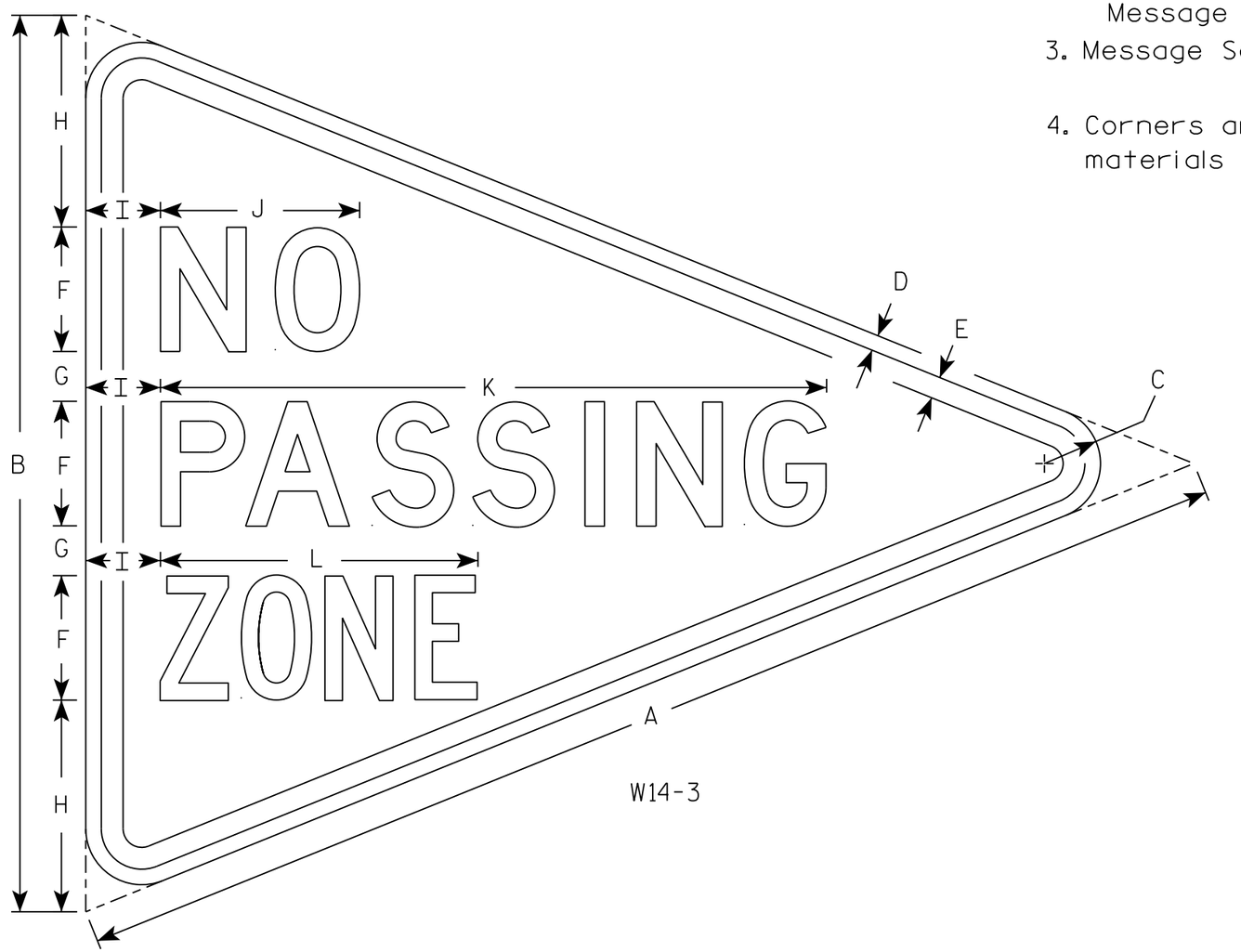
WISDOT/CADDS SHEET 42

7

7

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																											

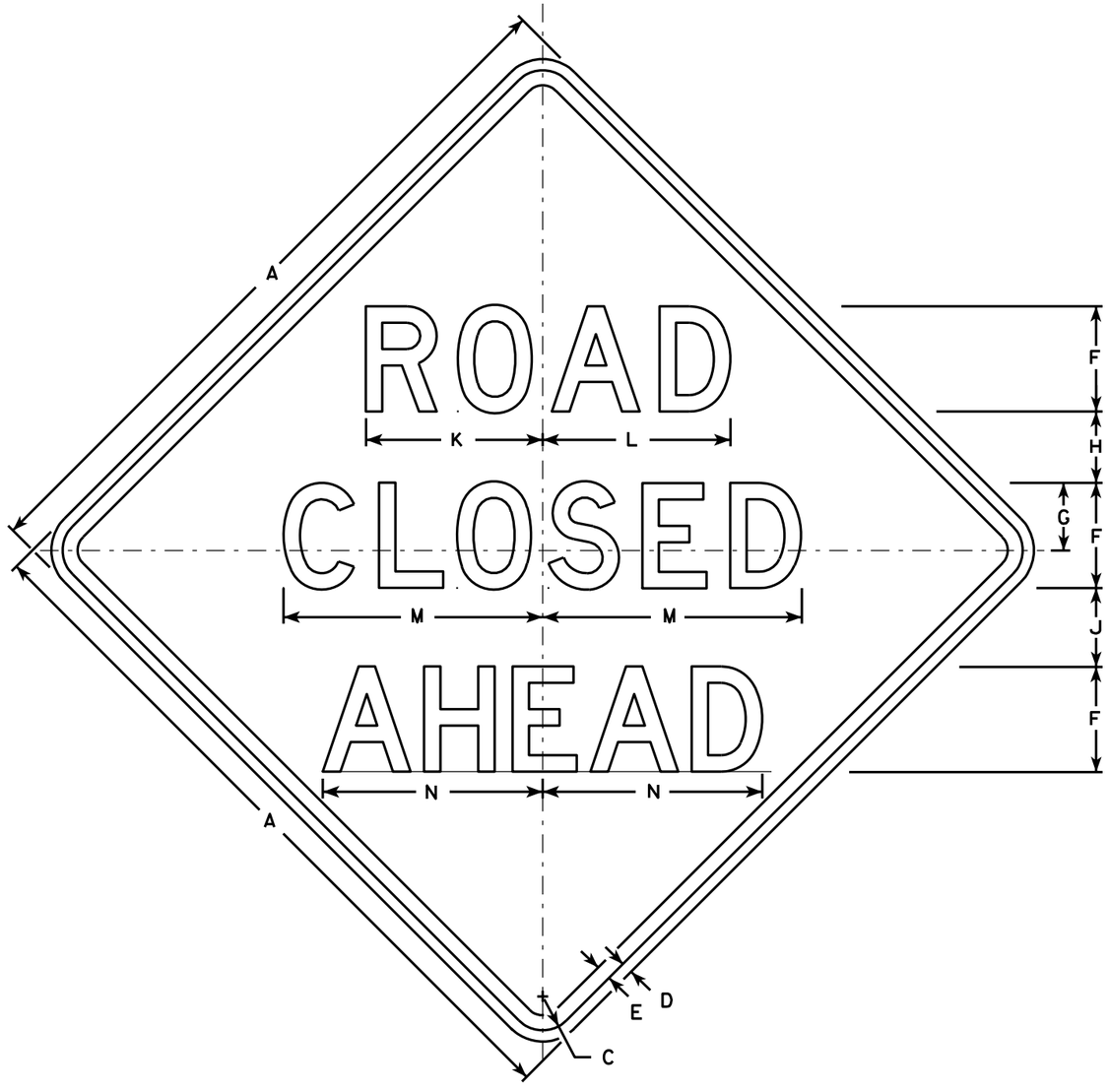
STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

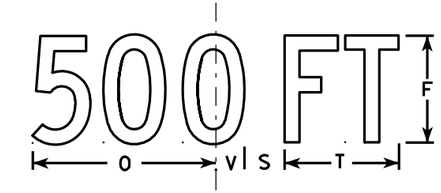
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W14-3.10

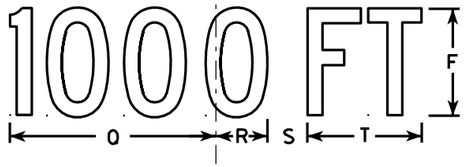
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 421	E



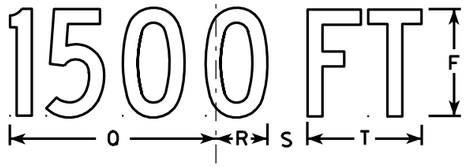
W20-3A



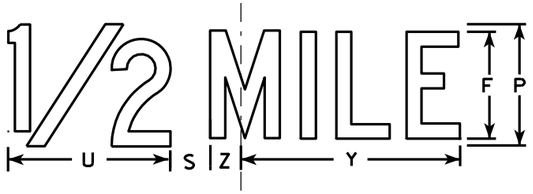
W20-3D



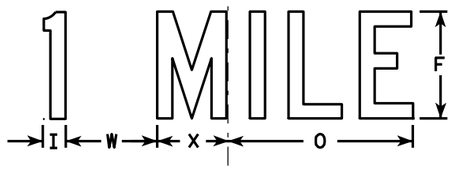
W20-3C



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

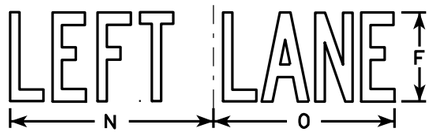
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

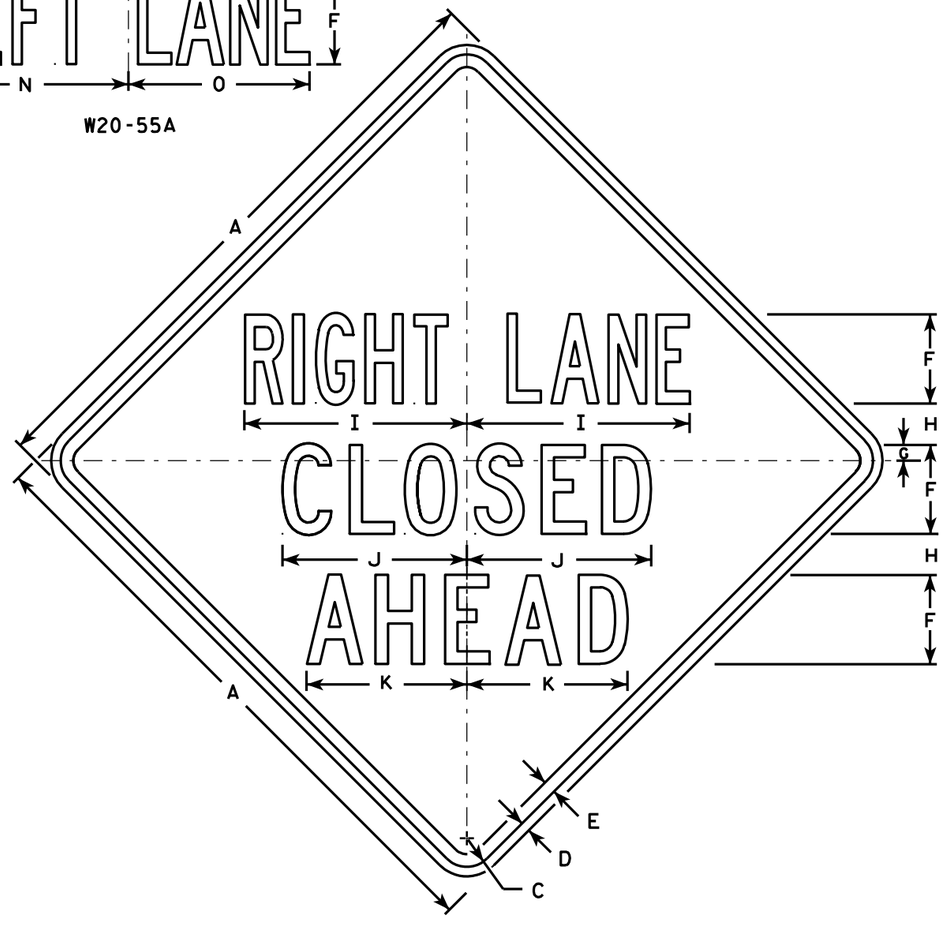
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 422 | E



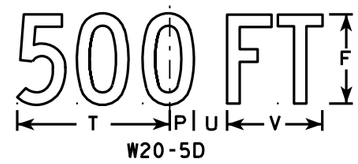
W20-56A



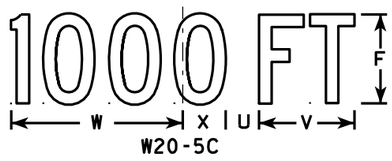
W20-55A



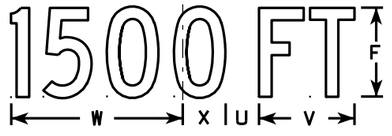
W20-5A



W20-5D



W20-5C



W20-5B



W20-5G



W20-5F

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. " _____ LANE" is Series B.
   All other copy is 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	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

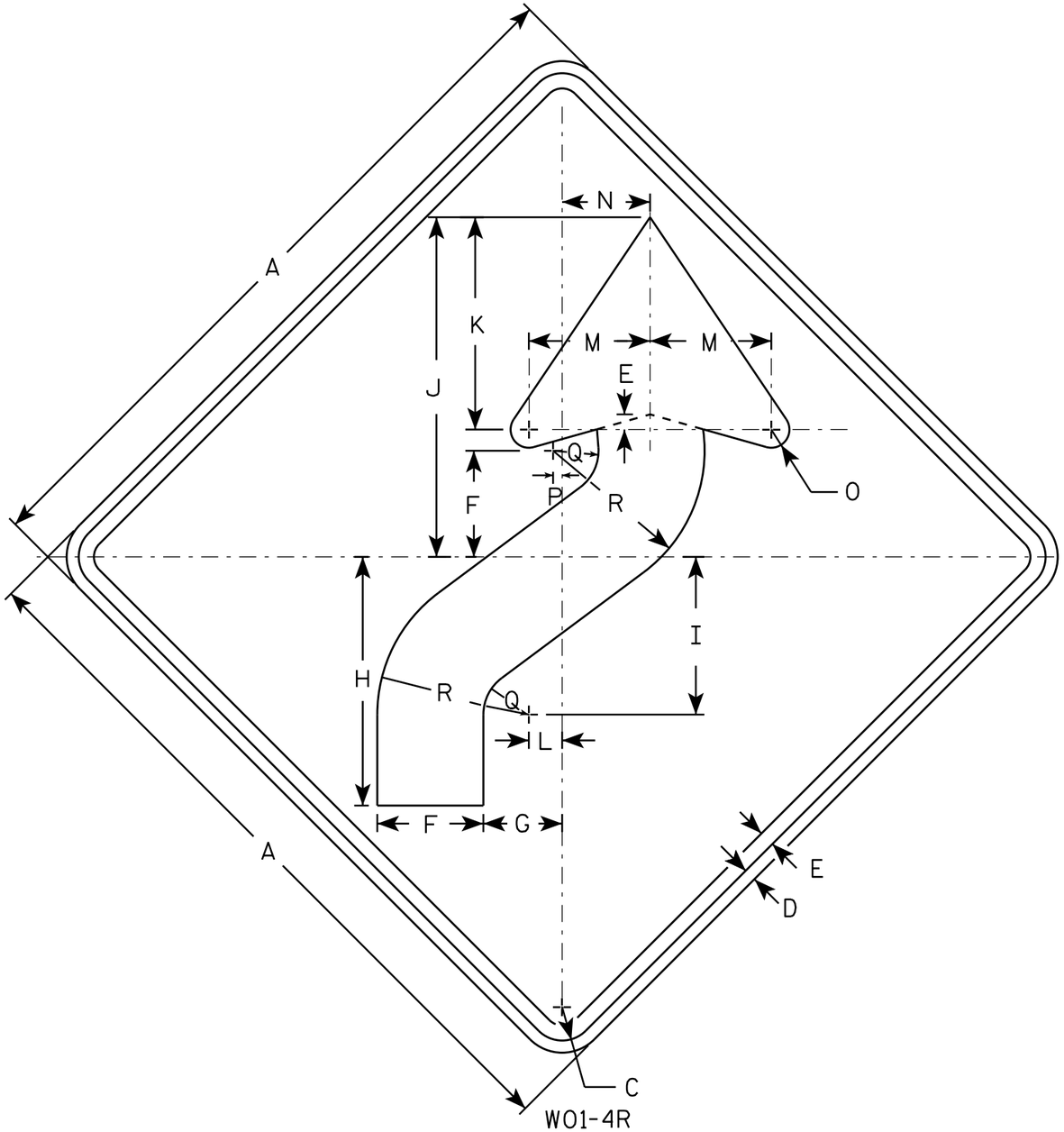
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 423	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



W01-4R

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. 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. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

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 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN
W01-4

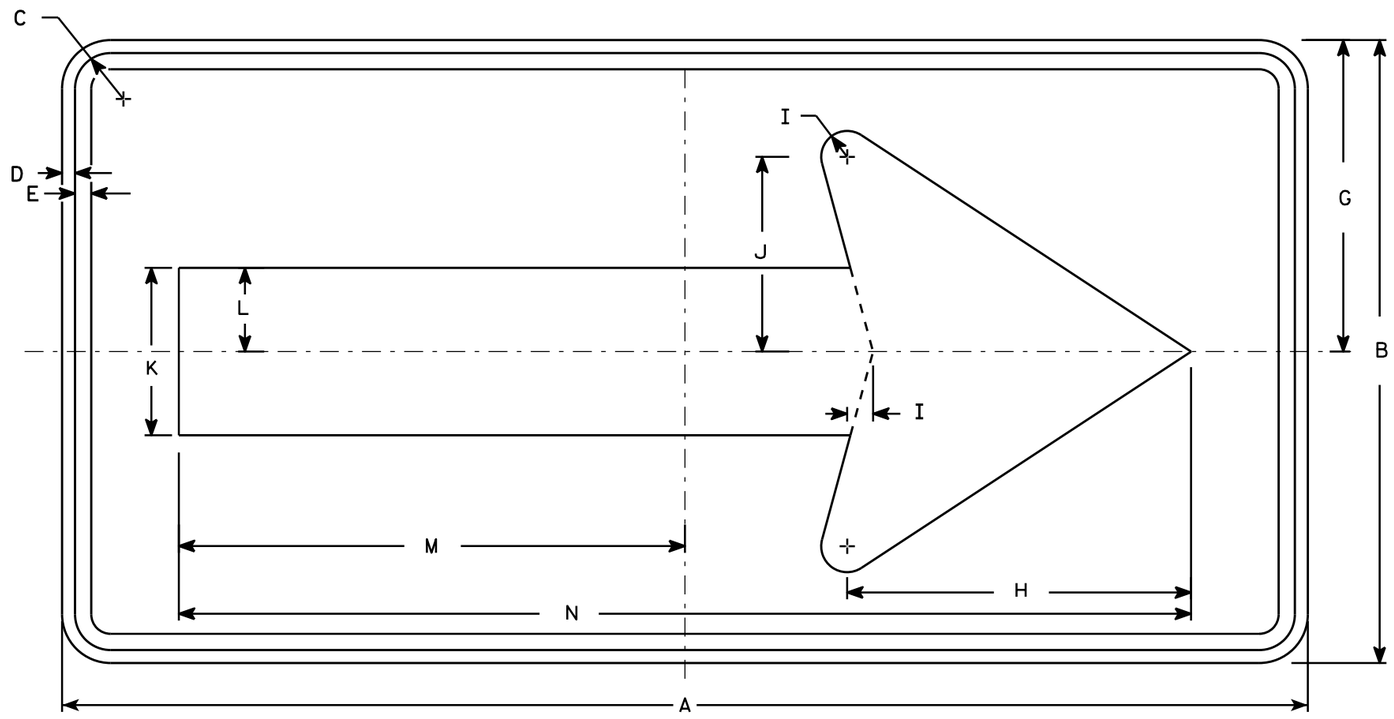
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-4.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000
WISDOT/CADDS SHEET 42



W01-6

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. 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	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

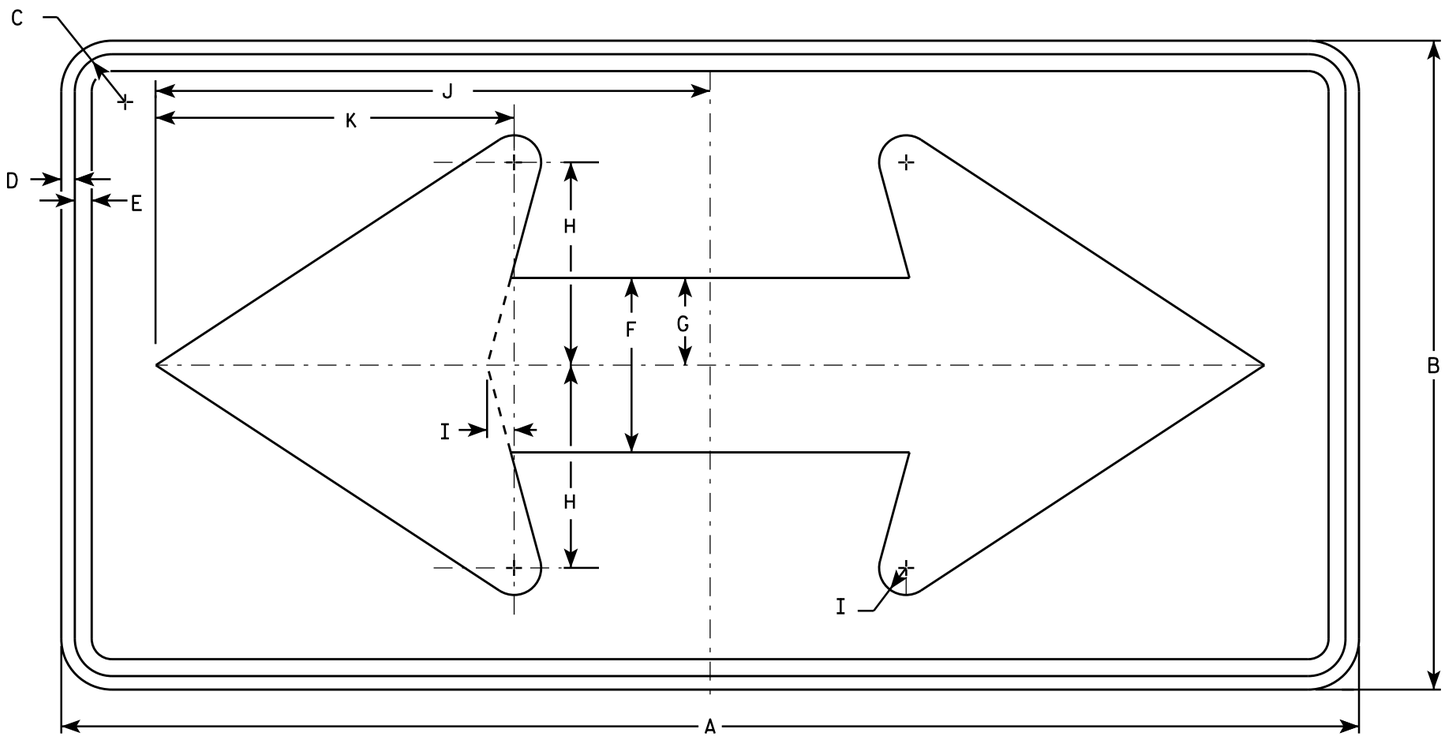
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W01-7

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   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																											
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	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

STANDARD SIGN
W01-7

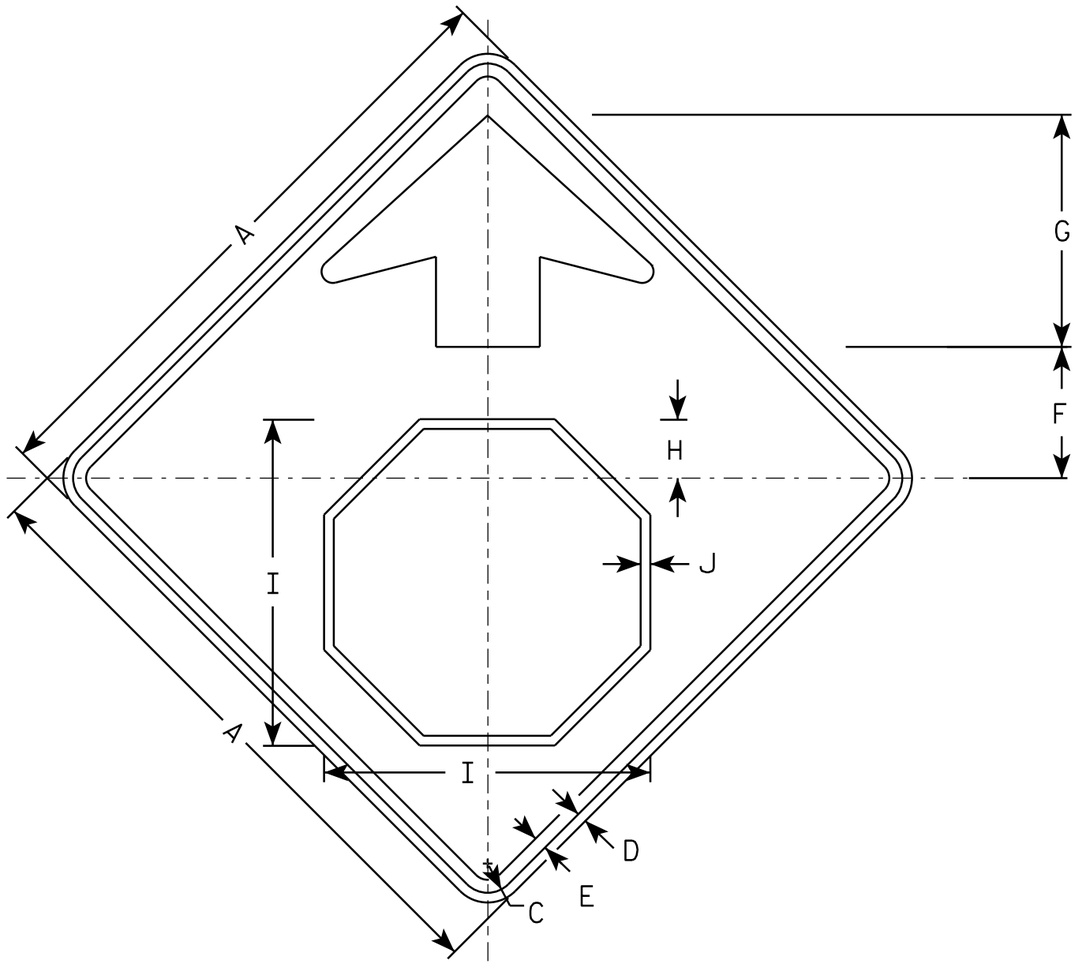
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE 1426 W01-7.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

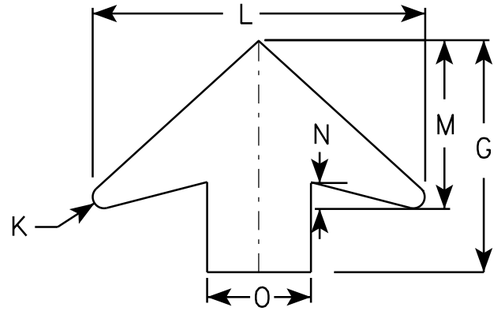
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W017.DGN PLOT DATE : 20-NOV-2013 10:35 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.604022:1.000000
WISDOT/CADDS SHEET 42



W03-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - ORANGE
   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	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
2S	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
2M	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
3	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
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
W03-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

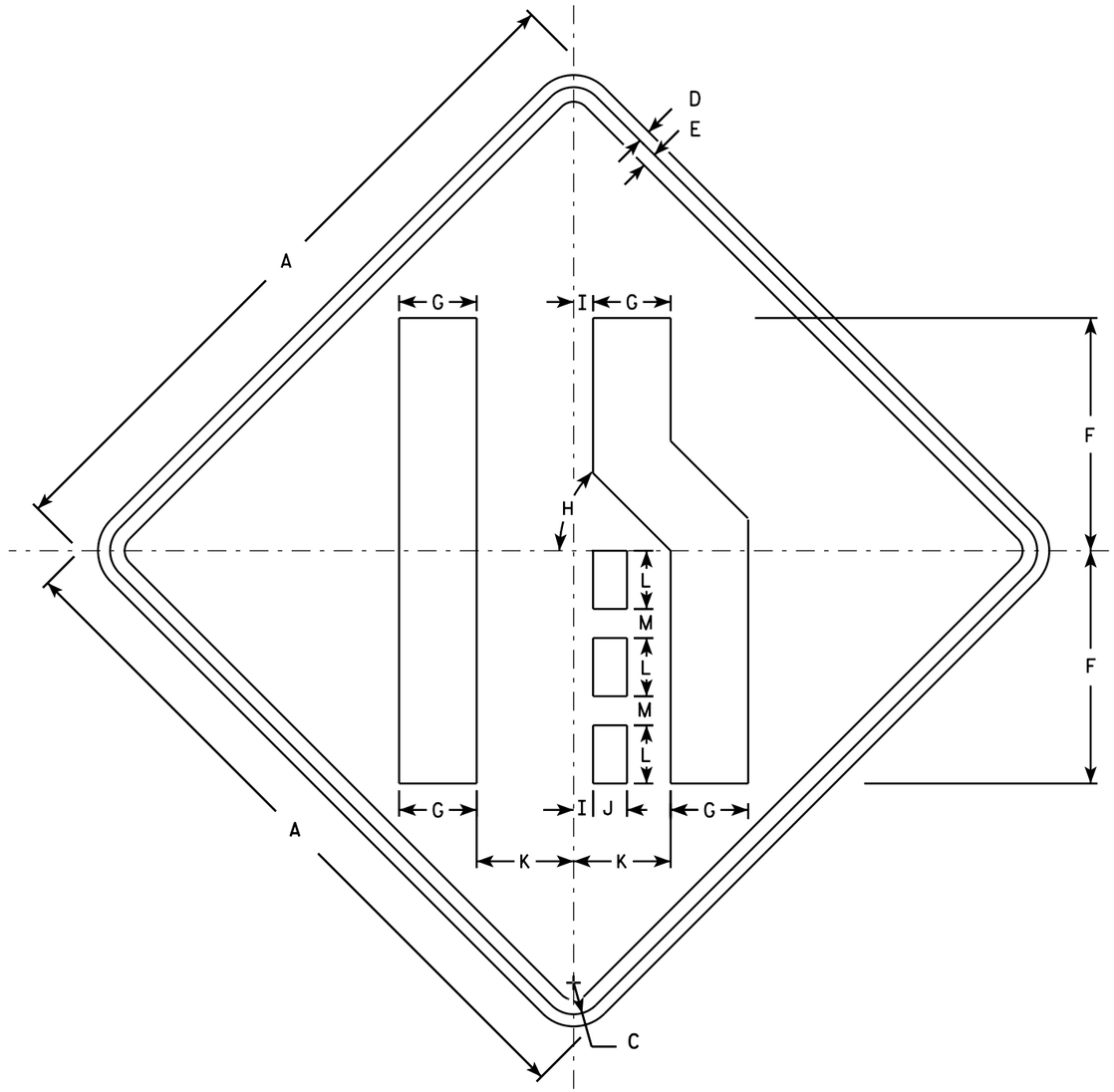
DATE 11/20/13 PLATE 427 03-1.1

PROJECT NO:

SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W031.DGN PLOT DATE : 20-NOV-2013 10:54 PLOT BY : mscsja

WISDOT/CADDS SHEET 42



W04-2R

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. 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. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

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	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

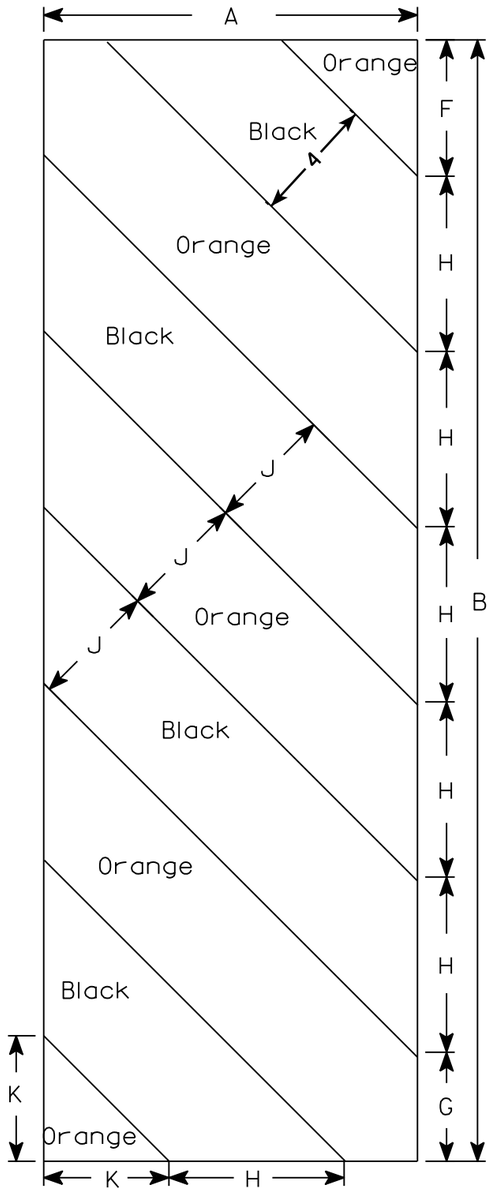
STANDARD SIGN
W04-2

WISCONSIN DEPT OF TRANSPORTATION

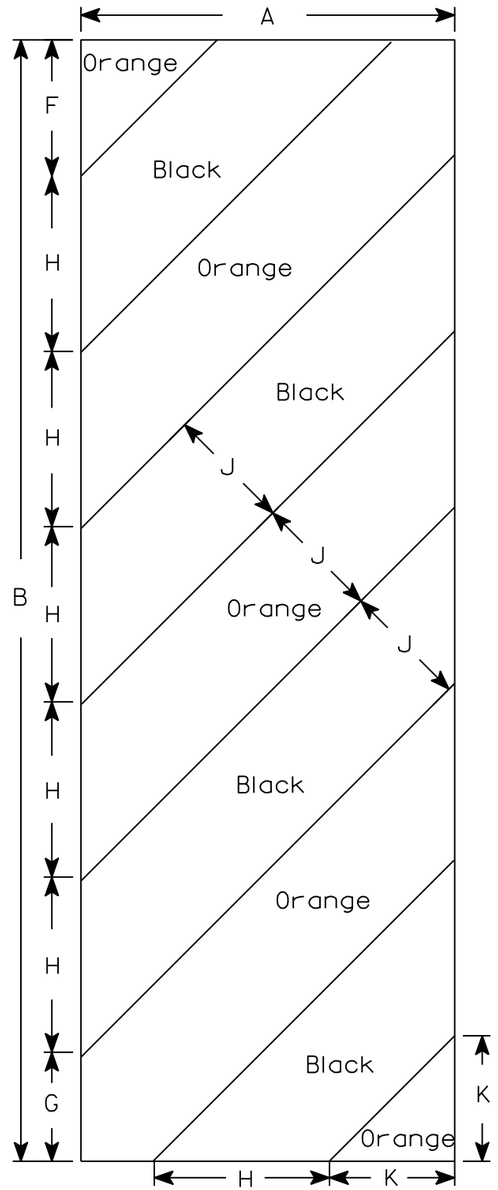
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 428 W04-2.1

PROJECT NO: | SHEET NO: E



W05-52L



W05-52R

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. 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. Alternate colors of stripes as shown.

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	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

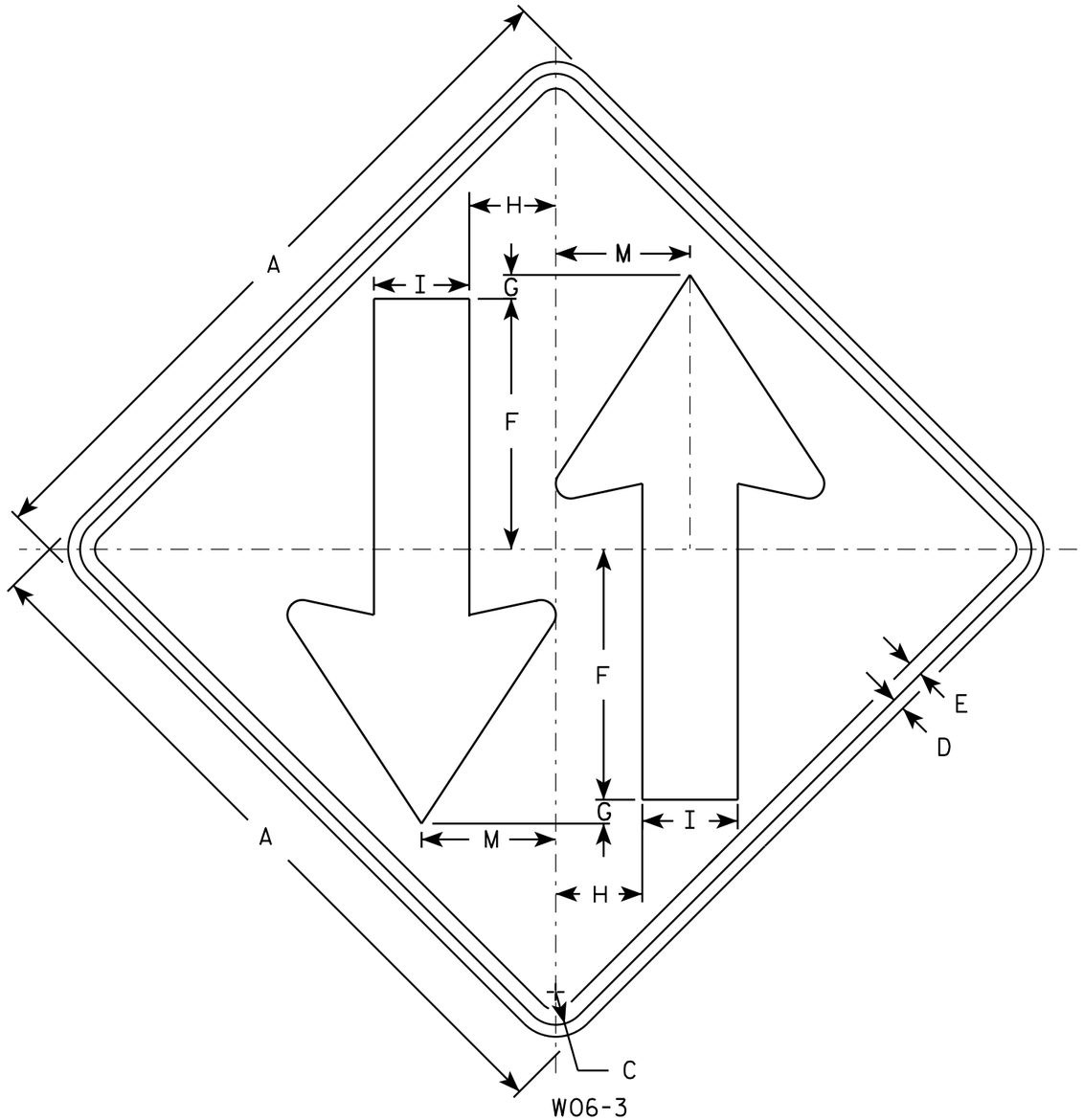
W05-52L & W05-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE No. W05-52.1

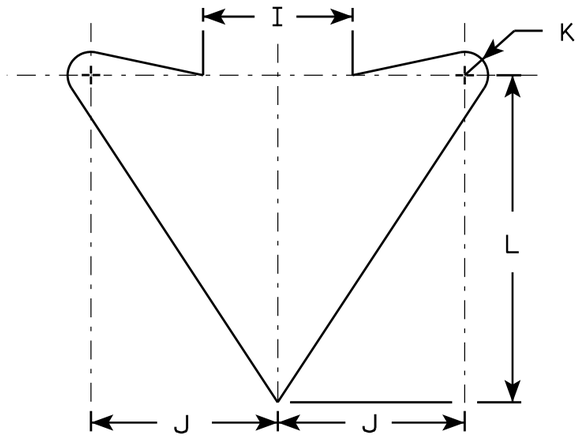
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W06-3

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. 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	36		1 5/8	5/8	3/4	12	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
2S	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
2M	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
3	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
4	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
5	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0

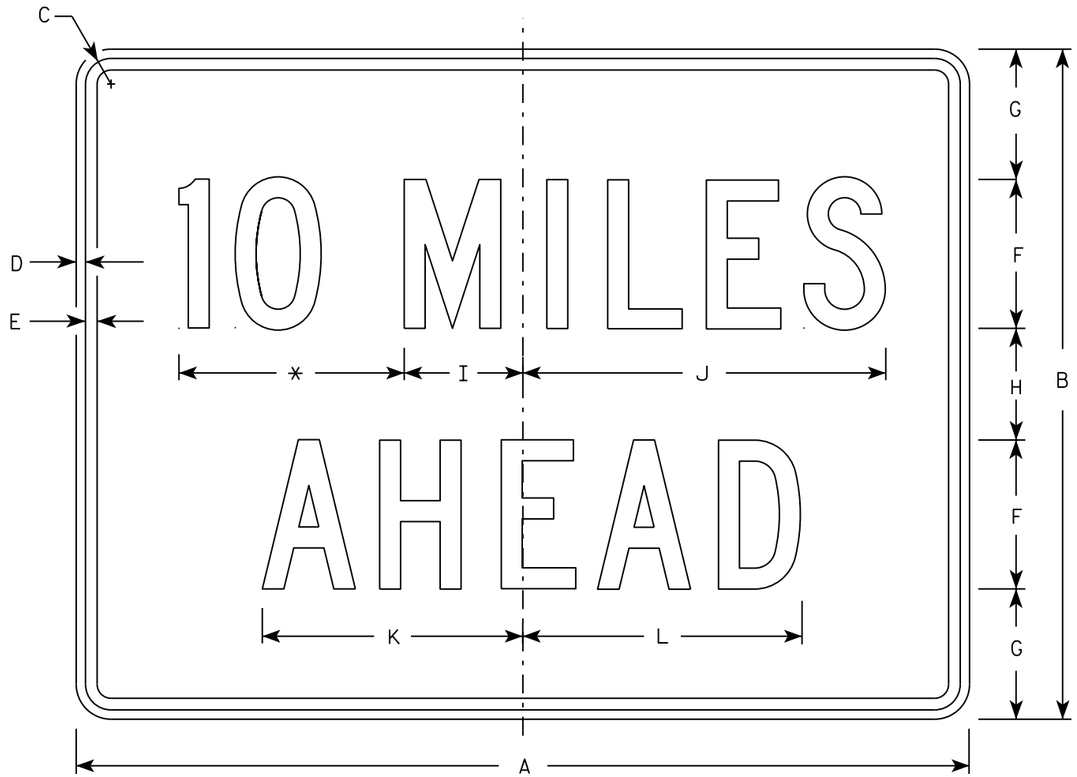
STANDARD SIGN
W06-3

WISCONSIN DEPT OF TRANSPORTATION

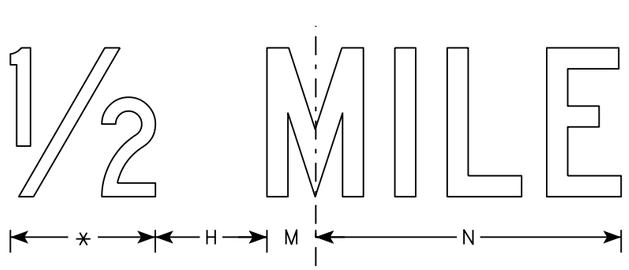
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 430 W06-3.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



W057-52



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   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 the nearest quarter mile and optically adjust spacing to achieve proper 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 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	12													6.0
2S	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
2M	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
3	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
4	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
5	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0

STANDARD SIGN
W057-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W057-52.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 431	E

DIVISION 1 - STA 40+16 TO STA 41+00 - S 68TH AVENUE, LT & RT - STAGE 1

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.25	MASS ORDINATE (NOTE 4)
40+16 AH	0	44	0	0	0	0	0	0
40+29	13	43	117	21	28	21	35	-14
40+50	21	79	23	47	54	68	103	-35
40+55	5	68	7	14	3	82	107	-25
40+62	7	66	1	17	1	99	108	-8
40+76	14	70	1	35	0	135	108	26
40+96	20	55	0	46	0	181	109	72
41+00 BK	4	53	0	8	0	189	109	80
			TOTALS	189	87			

DIVISION 1 - STA 77+50 TO STA 79+77 - S 48TH AVENUE - LT - STAGE 1

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.25	MASS ORDINATE (NOTE 4)
77+50 AH	0	5	0	0	0	0	0	0
78+00	50	195	0	185	0	185	0	185
78+50	50	47	0	223	0	409	0	409
78+59	9	54	0	17	0	425	0	425
79+00	41	64	0	89	0	515	0	515
79+43	43	34	23	78	18	592	23	569
79+50	7	40	17	10	5	602	30	572
79+77 BK	27	96	1	68	9	670	41	629
			TOTALS	670	33			

DIVISION 1 - STA 100+46 TO STA 101+31 - STEWART AVENUE - LT - TEMPORARY WIDENING - STAGE 1

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.25	MASS ORDINATE (NOTE 4)
100+46 AH	0	100	0	0	0	0	0	0
100+61	15	66	4	46	2	46	2	44
100+77	16	28	2	28	2	74	5	69
101+00	23	12	7	17	4	91	9	82
101+31 BK	31	9	23	12	17	104	31	72
			TOTALS	104	25			

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SECTION 3 SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT AREA/VOLUME. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SECTION 3 SUMMARY SHEET.
3 - EXPANDED MATERIAL	(UNEXPANDED MATERIAL)*(EXPANSION FACTOR)
4 - MASS ORDINATE	CUT - (EXPANDED FILL); POSITIVE. INDICATES AN EXCESS OF MATERIAL

DIVISION 2 - STA 17+65 TO STA 18+87 - S 72ND AVENUE - LT - STAGE 2

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.25	MASS ORDINATE (NOTE 4)
17+65 AH	0	0	0	0	0	0	0	0
17+90	25	21	0	10	0	10	0	10
17+96	6	13	17	4	2	13	2	11
18+00	4	13	15	2	2	15	5	10
18+06	6	13	13	3	3	18	9	9
18+26	20	14	13	10	10	28	22	7
18+50	24	15	17	13	14	41	39	2
18+67	17	17	33	10	16	51	58	-8
18+87 BK	20	14	0	11	12	62	74	-12
			TOTALS	62	59			

DIVISION 2 - STA 19+08 TO STA 20+04 - S 72ND AVENUE - LT - STAGE 2

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.25	MASS ORDINATE (NOTE 4)
19+08 AH	0	0	0	0	0	0	0	0
19+11	3	49	0	3	0	3	0	3
19+31	20	60	64	40	24	43	30	14
19+50	19	32	53	32	41	75	81	-6
20+00	50	12	13	40	62	115	158	-43
20+04 BK	4	12	10	2	2	117	161	-43
			TOTALS	117	128			

DIVISION 3 - STA 60+17 TO STA 61+00 - S 56TH AVENUE - STAGE 2

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.25	MASS ORDINATE (NOTE 4)
60+17 AH	0	201	0	0	0	0	0	0
60+31	14	123	0	84	0	84	0	84
60+50	19	79	0	71	0	155	0	155
60+53	3	65	4	8	0	163	0	163
60+66	13	58	0	30	1	193	2	191
61+00 BK	34	55	0	71	0	264	2	262
			TOTALS	264	2			

DIVISION 3 - STA 98+35 TO STA 99+35 - STEWART AVENUE - RT - STAGE 2

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.25	MASS ORDINATE (NOTE 4)
98+35 AH	0	19	0	0	0	0	0	0
98+50	15	16	0	10	0	10	0	10
98+86	36	15	0	21	0	30	0	30
99+00	14	16	0	8	0	38	0	38
99+35 BK	35	48	9	41	6	79	7	72
			TOTALS	79	6			

DIVISION 3 - STA 150+25 TO STA 176+55 - STEWART AVENUE - RT - STAGE 2

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.25	MASS ORDINATE (NOTE 4)
150+25 AH	0	20	20	0	0	0	0	0
150+50	25	16	27	16	22	16	27	-11
150+62	12	16	25	7	11	24	40	-17
151+00	38	17	19	24	32	48	81	-33
151+23	23	27	1	16	16	64	100	-37
151+50	27	19	15	19	18	83	123	-40
152+00	50	19	20	35	34	118	165	-47
152+42	42	19	25	30	30	147	202	-55
152+50	8	19	0	5	5	153	208	-56
152+69	19	19	0	13	0	166	208	-42
152+74	5	20	0	4	0	169	208	-39
153+00	26	24	0	21	0	190	208	-18
153+50	50	27	0	47	0	237	208	29
153+58	8	62	13	13	2	250	210	40
153+73	15	36	11	27	7	277	219	59
154+00	27	70	0	53	5	330	225	105
154+40	40	44	0	84	0	414	225	189
154+50	10	44	0	16	0	430	225	205
154+66	16	45	0	26	0	457	225	231
155+00	34	57	0	64	0	521	225	295
155+08	8	58	0	17	0	538	225	312
155+50	42	57	0	89	0	627	225	402
155+75	25	61	0	55	0	682	225	456
156+00	25	89	0	69	0	751	225	526
156+27	27	69	0	79	0	830	225	605
156+50	23	73	0	60	0	890	225	665
156+74	24	77	0	66	0	957	225	731
157+00	26	103	0	87	0	1,044	225	818
157+50	50	78	0	168	0	1,212	225	986
157+87	37	110	0	129	0	1,341	225	1,115
158+00	13	72	0	44	0	1,385	225	1,159
158+50	50	77	0	138	0	1,522	225	1,297
158+95	45	74	0	126	0	1,648	225	1,422
159+00	5	73	0	14	0	1,662	225	1,436
159+50	50	82	0	143	0	1,805	225	1,580
159+94	44	73	0	126	0	1,931	225	1,706
160+00	6	73	0	16	0	1,947	225	1,722
160+50	50	73	0	135	0	2,082	225	1,857
161+00	50	77	0	139	0	2,221	225	1,996
161+50	50	79	0	145	0	2,366	225	2,140
161+76	26	109	0	91	0	2,456	225	2,231
162+00	24	78	0	83	0	2,540	225	2,314
162+50	50	72	0	139	0	2,678	225	2,453
163+00	50	89	0	149	0	2,828	225	2,602
163+50	50	64	0	142	0	2,969	225	2,744
164+00	50	61	0	115	0	3,085	225	2,859
164+50	50	59	0	111	0	3,196	225	2,970
164+81	31	106	0	95	0	3,290	225	3,065
165+00	19	56	0	57	0	3,348	225	3,122
165+50	50	51	0	99	0	3,447	226	3,221
166+00	50	51	1	95	1	3,541	226	3,315
166+32	32	98	0	88	0	3,629	227	3,403
166+50	18	54	1	51	0	3,680	227	3,453
167+00	50	113	0	155	1	3,835	228	3,607
167+50	50	105	0	202	0	4,037	228	3,809
168+00	50	36	59	130	55	4,167	297	3,871
168+20	20	36	56	26	43	4,194	350	3,844
168+50	30	35	46	39	56	4,233	420	3,813
169+00	50	37	25	67	65	4,301	502	3,799
169+50	50	42	15	73	37	4,374	548	3,826
170+00	50	42	11	78	24	4,452	579	3,873
170+20	20	44	9	32	7	4,484	588	3,896
170+50	30	42	6	48	8	4,532	598	3,934
170+90	40	34	23	56	22	4,588	625	3,963
171+00	10	34	21	13	8	4,601	635	3,965
171+40	40	64	0	72	16	4,672	655	4,017
171+50	10	65	0	24	0	4,696	655	4,041
172+00	50	33	3	91	2	4,787	658	4,129
172+10	10	32	3	12	1	4,799	660	4,140
172+50	40	29	8	45	8	4,845	670	4,175
173+00	50	42	0	65	7	4,910	679	4,231
173+50	50	29	3	66	3	4,976	683	4,293
173+80	30	39	0	38	2	5,014	685	4,329
174+00	20	30	4	26	2	5,040	687	4,353
174+50	50	34	2	60	5	5,099	693	4,406
175+00	50	37	3	66	5	5,165	699	4,466
175+50	50	47	7	78	10	5,244	711	4,533
175+83	33	43	7	55	8	5,299	722	4,577
176+00	17	45	5	28	4	5,327	726	4,601
176+29	29	57	4	54	5	5,381	732	4,649
176+50	21	23	0	31	2	5,412	734	4,678
176+55 BK	5	23	0	4	0	5,416	734	4,682
			TOTALS	5,416	587			

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SECTION 3 SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT AREA/VOLUME. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SECTION 3 SUMMARY SHEET.
3 - EXPANDED MATERIAL	(UNEXPANDED MATERIAL)*(EXPANSION FACTOR)
4 - MASS ORDINATE	CUT - (EXPANDED FILL); POSITIVE. INDICATES AN EXCESS OF MATERIAL

9

9

PROJECT NO: 6999-09-72 | HWY: STEWART AVE | COUNTY: MARATHON | EARTHWORK DATA | SHEET 433 | E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090101-EW.DWG
LAYOUT NAME - 02

PLOT DATE : 8/21/2023 12:13 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 49

DIVISION 4 - STA 58+80 TO STA 59+84 - S 56TH AVENUE - STAGE 2

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.25	MASS ORDINATE (NOTE 4)
58+80 AH	0	10	0	0	0	0	0	0
59+00	20	14	0	9	0	9	0	9
59+35	35	58	0	47	0	56	0	56
59+44	9	46	5	17	1	73	1	72
59+50	6	48	14	10	2	84	4	79
59+72	22	66	57	47	29	130	40	90
59+75	3	75	56	8	6	138	48	90
59+84 BK	9	134	0	35	9	173	60	113
			TOTALS	173	48			

DIVISION 4 - STA 98+35 TO STA 99+35 - STEWART AVENUE - LT - STAGE 2

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.25	MASS ORDINATE (NOTE 4)
98+35 AH	0	14	1	0	0	0	0	0
98+50	15	14	1	8	1	8	1	7
98+86	36	16	6	20	5	27	7	21
99+00	14	17	16	8	6	36	14	22
99+35 BK	35	14	19	20	22	56	42	14
			TOTALS	56	34			

DIVISION 4 - STA 152+42 TO STA 176+55 - STEWART AVENUE - LT - STAGE 2

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.25	MASS ORDINATE (NOTE 4)
152+42 AH	0	23	0	0	0	0	0	0
152+50	8	23	0	7	0	7	0	7
152+69	19	24	0	16	0	23	0	23
152+74	5	24	0	4	0	28	0	28
153+00	26	27	0	25	0	52	0	52
153+50	50	32	0	55	0	107	0	107
153+58	8	88	0	18	0	125	0	125
153+73	15	57	0	40	0	165	0	165
154+00	27	64	0	61	0	226	0	225
154+40	40	72	0	101	0	327	0	326
154+50	10	60	1	25	0	351	0	351
154+66	16	86	0	43	0	395	1	394
155+00	34	67	0	96	0	491	1	490
155+08	8	71	0	20	0	512	1	511
155+50	42	78	0	116	0	627	1	626
155+75	25	82	0	74	0	701	1	700
156+00	25	88	0	79	0	780	1	779
156+27	27	143	0	116	0	896	1	895
156+50	23	97	0	102	0	998	1	997
156+74	24	95	0	86	0	1,083	1	1,083
157+00	26	96	0	92	0	1,176	1	1,175
157+50	50	99	0	181	0	1,356	2	1,355
157+87	37	95	2	133	1	1,489	3	1,486
158+00	13	94	4	45	1	1,535	5	1,529
158+50	50	97	0	177	3	1,711	9	1,702
158+95	45	145	0	202	0	1,913	9	1,904
159+00	5	144	0	27	0	1,940	9	1,930
159+50	50	85	11	212	11	2,152	23	2,130
159+94	44	138	0	182	9	2,334	34	2,300
160+00	6	137	0	30	0	2,365	34	2,331
160+50	50	90	0	210	0	2,575	34	2,541
161+00	50	97	0	174	0	2,749	34	2,714
161+50	50	97	0	180	0	2,929	34	2,894
161+76	26	102	0	96	0	3,025	34	2,991
162+00	24	143	0	109	0	3,134	34	3,099
162+50	50	97	0	222	0	3,356	34	3,322
163+00	50	87	0	170	0	3,526	34	3,492
163+50	50	80	0	154	0	3,681	34	3,646
164+00	50	107	0	173	0	3,853	34	3,819
164+50	50	64	1	158	1	4,011	36	3,975
164+81	31	61	2	71	2	4,082	38	4,044
165+00	19	67	3	45	2	4,127	41	4,087
165+50	50	119	2	172	4	4,300	46	4,254
166+00	50	121	2	222	4	4,522	51	4,471
166+32	32	139	0	154	1	4,676	52	4,624
166+50	18	136	0	92	0	4,768	52	4,715
167+00	50	241	1	349	1	5,116	54	5,063
167+50	50	289	1	490	2	5,607	56	5,551
168+00	50	211	3	462	3	6,069	60	6,009
168+20	20	55	24	98	10	6,167	73	6,095
168+50	30	50	34	58	32	6,226	113	6,112
169+00	50	49	60	92	87	6,317	222	6,095
169+50	50	50	52	92	103	6,409	352	6,057
170+00	50	70	2	111	50	6,520	414	6,106
170+20	20	110	0	67	1	6,587	415	6,172
170+50	30	109	0	121	0	6,708	415	6,293
170+90	40	57	9	123	7	6,831	423	6,408
171+00	10	57	8	21	3	6,852	427	6,425
171+40	40	57	6	84	11	6,936	440	6,496
171+50	10	53	6	20	2	6,956	443	6,513
172+00	50	56	1	101	7	7,057	451	6,606
172+10	10	82	0	26	0	7,083	451	6,631
172+50	40	56	4	102	3	7,185	455	6,730
173+00	50	47	9	95	12	7,281	470	6,810
173+50	50	40	23	80	30	7,361	508	6,853
173+80	30	44	6	46	16	7,407	528	6,879
174+00	20	71	0	43	2	7,450	531	6,919
174+50	50	42	57	105	53	7,554	597	6,958
175+00	50	45	56	81	105	7,635	728	6,907
175+50	50	51	61	89	109	7,724	864	6,860
175+83	33	64	75	70	83	7,794	967	6,827
176+00	17	59	64	39	44	7,833	1,022	6,811
176+29	29	63	6	66	38	7,899	1,069	6,830
176+50	21	120	1	71	3	7,970	1,072	6,898
176+55 BK	5	115	2	22	0	7,992	1,073	6,919
			TOTALS	7,992	858			

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SECTION 3 SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT AREA/VOLUME. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SECTION 3 SUMMARY SHEET.
3 - EXPANDED MATERIAL	(UNEXPANDED MATERIAL)*(EXPANSION FACTOR)
4 - MASS ORDINATE	CUT - (EXPANDED FILL); POSITIVE. INDICATES AN EXCESS OF MATERIAL

DIVISION 5 - STA 101+31 TO STA 118+60 - STEWART AVENUE - LT - TEMPORARY WIDENING - STAGE 3

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.25	MASS ORDINATE (NOTE 4)
101+31 AH	0	9	23	0	0	0	0	0
101+39	8	8	26	3	7	3	9	-7
101+50	11	20	0	6	5	8	16	-7
102+00	50	13	8	31	7	39	25	14
102+50	50	16	26	27	31	66	64	2
102+75	25	20	62	16	41	82	115	-33
102+83	8	22	210	6	40	88	165	-77
103+00	17	17	121	12	104	101	295	-194
103+50	50	25	55	39	163	140	499	-359
104+00	50	21	47	43	95	182	617	-435
104+50	50	85	35	98	76	281	712	-431
104+80	30	94	18	100	29	380	748	-368
105+00	20	103	13	73	11	453	762	-309
105+50	50	115	9	202	20	655	787	-132
106+00	50	115	6	212	14	868	805	63
106+14	14	110	6	58	3	926	808	117
106+50	36	96	6	137	8	1,063	819	244
106+74	24	79	6	78	5	1,141	826	315
107+00	26	23	6	49	6	1,190	833	357
107+36	36	63	0	58	4	1,247	837	410
107+50	14	40	0	27	0	1,274	837	437
108+00	50	25	5	61	5	1,335	844	491
108+50	50	51	0	70	5	1,405	849	556
109+00	50	14	17	60	16	1,465	869	596
109+50	50	16	9	28	25	1,493	900	593
110+00	50	24	1	37	10	1,530	912	617
110+34	34	62	0	54	1	1,584	913	671
110+50	16	63	0	37	0	1,621	913	708
110+80	30	16	13	44	7	1,665	922	743
111+00	20	16	12	12	9	1,677	934	743
111+50	50	12	13	26	24	1,703	963	739
112+00	50	57	0	64	12	1,767	979	788
112+24	24	61	0	53	0	1,819	979	841
112+50	26	48	0	53	0	1,872	979	893
112+70	20	80	11	48	4	1,919	984	936
113+00	30	58	11	77	12	1,996	999	997
113+50	50	23	20	76	28	2,072	1,034	1,038
114+00	50	17	29	37	45	2,109	1,090	1,019
114+50	50	20	29	33	54	2,142	1,157	985
115+00	50	22	30	39	55	2,181	1,225	956
115+50	50	29	26	48	52	2,229	1,290	939
116+00	50	29	22	54	44	2,283	1,345	938
116+20	20	25	20	20	15	2,303	1,364	939
116+50	30	22	18	26	21	2,329	1,390	939
117+00	50	25	15	44	30	2,373	1,428	945
117+50	50	43	12	63	25	2,436	1,459	977
118+00	50	23	16	61	26	2,497	1,491	1,007
118+45	45	13	24	30	33	2,527	1,532	995
118+60 BK	15	20	8	9	9	2,536	1,543	993
			TOTALS	2,536	1,235			

DIVISION 6 - STA 17+57 TO STA 18+80 - S 72ND AVENUE - RT - STAGE 3

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.25	MASS ORDINATE (NOTE 4)
17+57 AH	0	15	0	0	0	0	0	0
17+97	40	19	0	26	0	26	0	26
18+00	3	20	0	2	0	28	0	28
18+07	7	25	7	6	1	34	1	32
18+50	43	56	6	65	11	98	15	83
18+58	8	63	14	18	3	116	19	97
18+80 BK	22	129	0	78	6	194	26	168
			TOTALS	194	21			

NOTES:

1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SECTION 3 SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT AREA/VOLUME. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SECTION 3 SUMMARY SHEET.
3 - EXPANDED MATERIAL	(UNEXPANDED MATERIAL)*(EXPANSION FACTOR)
4 - MASS ORDINATE	CUT - (EXPANDED FILL); POSITIVE. INDICATES AN EXCESS OF MATERIAL

DIVISION 6 - STA 100+42 TO STA 119+50 - STEWART AVENUE - RT - STAGE 3

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) CUT (NOTE 5)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) BACKFILL GRANULAR GRADE 1 (NOTE 5).	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT 1.00	CUMULATIVE VOLUME (CY) BACKFILL GRANULAR GRADE 1 (NOTES 3 & 5) 1.25	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.25	MASS ORDINATE (NOTE 4)
100+42 AH	0	30	0	0	0	0	0	0	0	0	0
100+50	8	30	0	0	9	0	0	9	0	0	9
100+77	27	30	0	0	30	0	0	39	0	0	39
101+00	23	30	0	0	25	0	0	64	0	0	64
101+31	31	31	0	0	35	0	0	99	0	0	99
101+39	8	38	0	1	10	0	0	110	0	0	109
101+50	11	38	0	0	15	0	0	125	0	1	124
102+00	50	55	1	0	86	1	0	211	1	1	209
102+50	50	52	0	0	99	1	0	309	2	1	308
102+75	25	37	0	0	41	0	0	350	2	1	349
102+83	8	38	0	0	11	0	0	361	2	1	360
103+00	17	42	0	2	25	0	1	387	2	2	384
103+50	50	33	4	5	69	4	6	456	7	10	446
104+00	50	30	12	4	58	15	8	514	26	20	494
104+50	50	29	11	8	55	21	11	569	53	34	535
104+80	30	62	9	0	51	11	5	619	66	39	580
105+00	20	71	7	0	49	6	0	669	74	39	629
105+50	50	51	2	7	113	8	6	781	84	47	734
106+00	50	73	0	3	115	2	9	896	86	59	837
106+14	14	69	0	3	37	0	2	933	86	61	872
106+50	36	63	0	2	88	0	4	1,021	86	65	955
106+74	24	92	0	0	69	0	1	1,089	86	67	1,023
107+00	26	91	0	0	88	0	0	1,177	86	67	1,111
107+36	36	48	0	3	93	0	2	1,270	86	69	1,201
107+50	14	54	0	2	26	0	1	1,296	86	70	1,226
108+00	50	93	0	0	136	0	2	1,432	86	73	1,359
108+50	50	74	0	0	155	0	0	1,587	86	73	1,514
109+00	50	81	0	0	144	0	0	1,731	86	73	1,657
109+50	50	95	0	0	163	0	0	1,894	86	73	1,820
110+00	50	49	0	3	133	0	2	2,027	86	76	1,951
110+34	34	42	0	4	57	0	4	2,084	86	81	2,003
110+50	16	37	0	6	23	0	3	2,108	86	85	2,023
110+80	30	37	0	8	41	0	8	2,149	86	95	2,054
111+00	20	41	0	5	29	0	5	2,178	86	101	2,077
111+50	50	43	0	2	77	0	7	2,255	86	109	2,145
112+00	50	57	0	4	92	0	6	2,347	86	117	2,230
112+24	24	73	0	0	58	0	2	2,405	86	119	2,285
112+50	26	52	0	2	60	0	1	2,465	86	120	2,345
112+70	20	46	0	1	36	0	1	2,501	86	122	2,379
113+00	30	74	0	0	66	0	0	2,567	86	122	2,445
113+50	50	40	0	5	105	0	4	2,673	86	127	2,545
114+00	50	42	0	6	76	0	10	2,749	86	140	2,609
114+50	50	30	0	11	67	0	16	2,816	86	160	2,656
115+00	50	52	0	4	76	0	13	2,891	86	176	2,715
115+50	50	21	0	32	67	0	33	2,958	87	217	2,741
116+00	50	26	1	39	43	1	66	3,001	88	299	2,702
116+20	20	79	1	3	39	1	15	3,040	89	318	2,722
116+50	30	38	2	42	65	2	25	3,105	91	349	2,756
117+00	50	19	2	53	53	4	88	3,159	96	459	2,699
117+50	50	16	2	34	33	4	81	3,191	101	560	2,631
118+00	50	63	3	0	73	5	32	3,264	107	600	2,664
118+37	37	28	0	47	62	2	32	3,326	110	640	2,686
118+50	13	24	0	47	13	0	23	3,338	110	668	2,671
119+00	50	13	0	36	34	0	77	3,373	110	764	2,608
119+50 BK	50	26	0	41	36	0	72	3,409	110	854	2,555
				TOTALS	3,409	88	683				

DIVISION 6 - STA 119+50 TO STA 152+42 - STEWART AVENUE - LT - STAGE 3

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) CUT (NOTE 5)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) BACKFILL GRANULAR GRADE 1 (NOTE 5)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT 1.00	CUMULATIVE VOLUME (CY) BACKFILL GRANULAR GRADE 1 (NOTES 3 & 5) 1.25	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.25	MASS ORDINATE (NOTE 4)
119+50 AH	0	14	10	39	0	0	0	0	0	0	0
120+00	50	15	9	29	44	18	63	44	22	79	-35
120+50	50	16	8	19	44	16	44	89	43	135	-46
121+00	50	16	7	17	44	15	34	133	61	177	-44
121+50	50	17	6	16	43	13	31	176	77	216	-39
122+00	50	18	6	21	44	11	34	220	91	258	-38
122+50	50	20	5	29	45	10	46	266	103	316	-50
123+00	50	20	5	26	46	10	51	312	116	380	-68
123+50	50	19	6	24	46	10	46	358	128	438	-80
124+00	50	13	10	17	44	15	39	402	147	486	-84
124+50	50	8	14	32	42	22	46	444	175	544	-100
125+00	50	0	22	36	41	33	64	484	216	623	-139
125+50	50	0	25	37	43	43	68	527	270	709	-181
126+00	50	0	29	42	50	50	73	577	332	800	-223
126+50	50	0	30	40	54	54	76	631	399	895	-264
127+00	50	0	28	45	53	53	79	684	466	994	-310
127+50	50	0	24	41	48	48	80	733	526	1,094	-361
128+00	50	0	21	32	42	42	67	775	579	1,178	-403
128+50	50	1	21	26	40	39	54	815	627	1,245	-430
129+00	50	1	20	26	40	38	48	855	675	1,305	-450
129+50	50	2	19	27	40	37	49	895	721	1,367	-472
130+00	50	5	17	27	40	34	50	935	763	1,430	-495
130+50	50	5	17	28	41	31	51	976	803	1,494	-518
131+00	50	9	14	28	41	28	52	1,017	838	1,559	-541
131+50	50	11	13	26	42	24	50	1,060	868	1,621	-561
132+00	50	16	8	22	44	19	45	1,103	893	1,677	-573
132+50	50	15	9	25	45	16	43	1,148	913	1,731	-583
133+00	50	17	7	23	45	15	44	1,193	932	1,786	-592
133+50	50	19	6	20	46	12	40	1,239	947	1,835	-597
134+00	50	20	5	9	47	10	28	1,286	960	1,870	-585
134+50	50	19	6	18	47	10	26	1,332	973	1,902	-570
135+00	50	18	6	17	46	11	33	1,378	987	1,943	-566
135+50	50	18	7	19	45	12	34	1,423	1,002	1,985	-562
136+00	50	17	7	22	46	13	38	1,469	1,019	2,032	-564
136+50	50	16	8	27	45	14	45	1,514	1,037	2,088	-574
137+00	50	14	10	34	44	17	56	1,558	1,058	2,159	-601
137+50	50	10	13	45	43	21	73	1,601	1,084	2,251	-650
138+00	50	6	16	62	41	26	99	1,642	1,117	2,374	-732
138+50	50	3	18	103	40	31	152	1,682	1,156	2,565	-883
138+74	24	6	17	71	20	16	77	1,702	1,176	2,661	-960
139+00	26	4	17	85	22	17	75	1,723	1,197	2,755	-1,032
139+45	45	5	17	104	36	29	157	1,759	1,233	2,952	-1,192
139+50	5	5	17	97	4	3	19	1,764	1,237	2,975	-1,211
140+00	50	10	14	63	43	29	148	1,806	1,273	3,160	-1,354
140+50	50	12	12	50	45	25	105	1,851	1,304	3,291	-1,440
141+00	50	19	9	38	49	20	82	1,900	1,329	3,393	-1,494
141+50	50	18	7	35	50	15	68	1,949	1,348	3,478	-1,529
142+00	50	23	6	9	49	12	41	1,999	1,363	3,530	-1,532
142+20	20	23	5	17	21	4	10	2,020	1,368	3,542	-1,523
142+50	30	20	6	21	30	6	22	2,050	1,376	3,569	-1,520
143+00	50	16	8	22	46	12	40	2,096	1,391	3,620	-1,524
143+20	20	24	9	1	21	6	9	2,117	1,399	3,631	-1,514
143+50	30	14	11	25	32	11	14	2,148	1,412	3,648	-1,500
144+00	50	12	14	47	47	23	66	2,195	1,441	3,731	-1,536
144+45	45	16	15	52	47	24	82	2,242	1,471	3,833	-1,591
144+50	5	16	15	45	6	3	9	2,248	1,475	3,844	-1,596
144+65	15	23	16	8	19	9	15	2,268	1,485	3,862	-1,595
145+00	35	21	16	55	49	20	41	2,316	1,511	3,913	-1,597
145+50	50	25	14	58	71	28	104	2,387	1,546	4,044	-1,657
146+00	50	24	13	60	71	25	109	2,458	1,577	4,179	-1,721
146+25	25	26	12	20	34	12	37	2,492	1,592	4,226	-1,733
146+50	25	20	11	64	32	11	39	2,524	1,605	4,275	-1,751
147+00	50	18	10	66	55	20	121	2,579	1,630	4,425	-1,847
147+50	50	27	8	59	59	17	116	2,637	1,651	4,570	-1,933
147+70	20	31	8	53	27	6	41	2,665	1,659	4,622	-1,957
148+00	30	23	7	44	38	8	54	2,703	1,669	4,689	-1,986
148+50	50	22	6	33	54	12	71	2,757	1,684	4,778	-2,021
149+00	50	20	5	29	49	10	58	2,805	1,697	4,851	-2,045
149+20	20	30	4	0	22	3	11	2,827	1,701	4,864	-2,037
149+50	30	22	3	25	33	4	14	2,860	1,705	4,881	-2,021
150+00	50	24	1	26	47	4	47	2,907	1,710	4,940	-2,033
150+25	25	25	0	27	24	1	24	2,930	1,711	4,970	-2,040
150+50	25	26	0	23	24	0	23	2,955	1,712	4,999	-2,045
150+62	12	37	0	1	14	0	5	2,969	1,712	5,006	-2,037
151+00	38	27	0	33	45	0	24	3,014	1,712	5,036	-2,022
151+23	23	28	0	32	23	0	28	3,038	1,712	5,071	-2,033
151+50	27	29	0	28	28	0	30	3,066	1,712	5,108	-2,042
152+00	50	30	0	24	54	0	48	3,120	1,712	5,169	-2,048
152+42 BK	42	23	0	0	41	0	18	3,162	1,712	5,192	-2,030
				TOTALS	3,162	1,370	4,153				

NOTES:

1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SECTION 3 SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT AREA/VOLUME. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SECTION 3 SUMMARY SHEET.
3 - EXPANDED MATERIAL	(UNEXPANDED MATERIAL)*(EXPANSION FACTOR)
4 - MASS ORDINATE	CUT - (EXPANDED FILL); POSITIVE. INDICATES AN EXCESS OF MATERIAL
5 - EXISTING CONCRETE PAVEMENT	CONCRETE PAVEMENT IS ANTICIPATED TO BE PRESENT BELOW THE PROPOSED CUT SHOWN ON THE CROSS SECTIONS. REMOVE ALL CONCRETE PAVEMENT. THE CUT AREA INCLUDES REMOVAL REQUIRED FOR PROPOSED SUBGRADE SHOWN ON THE CROSS SECTION AND REMOVAL OF EXISTING CONCRETE (AREAS NOT SHOWN ON THE CROSS SECTIONS). BACKFILL GRANULAR GRADE 1 INCLUDES BACKFILLING AREA OF CONCRETE REMOVAL.

DIVISION 6 - STA 119+50 TO STA 150+25 - STEWART AVENUE - RT - STAGE 3

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) CUT (NOTE 5)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) BACKFILL GRANULAR GRADE 1 (NOTE 5)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT 1.00	CUMULATIVE VOLUME (CY) BACKFILL GRANULAR GRADE 1 (NOTES 3 & 5) 1.25	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.25	MASS ORDINATE (NOTE 4)
119+50 AH	0	26	5	41	0	0	0	0	0	0	0
120+00	50	16	5	36	49	10	72	49	12	90	-41
120+50	50	8	5	30	31	9	61	80	23	166	-87
121+00	50	9	4	26	24	8	51	103	34	230	-127
121+50	50	9	4	24	24	8	46	127	43	288	-160
122+00	50	10	4	24	25	7	45	152	52	344	-192
122+50	50	11	3	22	26	6	43	179	60	398	-220
123+00	50	13	3	2	29	6	22	208	68	426	-218
123+50	50	11	4	10	29	7	11	236	76	440	-204
124+00	50	6	5	28	24	8	35	260	86	484	-224
124+50	50	3	7	51	20	12	73	279	101	575	-296
125+00	50	0	10	66	19	16	108	298	121	710	-412
125+50	50	0	12	26	20	20	85	318	147	816	-497
126+00	50	0	13	86	23	23	103	342	176	945	-603
126+50	50	0	14	102	25	25	173	367	207	1,161	-795
127+00	50	0	13	98	25	25	185	392	238	1,393	-1,001
127+50	50	0	11	84	23	23	169	415	267	1,604	-1,190
128+00	50	0	10	78	20	20	151	435	292	1,793	-1,358
128+50	50	0	10	72	19	19	140	453	315	1,967	-1,514
129+00	50	0	10	66	18	18	128	472	338	2,128	-1,656
129+50	50	0	9	55	18	18	112	489	360	2,268	-1,779
130+00	50	1	8	47	17	16	94	506	380	2,386	-1,880
130+50	50	1	8	50	17	15	90	524	400	2,498	-1,975
131+00	50	3	7	49	18	14	92	542	417	2,613	-2,072
131+50	50	4	6	42	19	12	84	561	433	2,719	-2,158
132+00	50	8	5	31	22	10	68	582	446	2,803	-2,221
132+50	50	12	5	26	28	9	53	610	457	2,870	-2,260
133+00	50	20	4	20	38	9	43	648	468	2,923	-2,275
133+50	50	25	4	17	49	7	34	697	477	2,965	-2,268
134+00	50	27	3	15	55	7	29	752	485	3,002	-2,249
134+50	50	24	4	15	54	6	28	806	494	3,036	-2,230
135+00	50	19	4	18	46	7	30	853	502	3,074	-2,221
135+50	50	19	4	16	42	7	31	895	511	3,113	-2,218
136+00	50	25	4	13	49	8	27	944	521	3,147	-2,203
136+50	50	27	5	14	56	8	25	1,000	531	3,179	-2,179
137+00	50	19	5	16	52	9	28	1,052	543	3,213	-2,162
137+50	50	16	7	23	43	11	36	1,095	557	3,258	-2,163
138+00	50	13	8	32	40	13	51	1,135	574	3,322	-2,187
138+50	50	9	9	41	35	15	68	1,171	593	3,407	-2,237
138+74	24	6	9	40	14	8	36	1,185	602	3,453	-2,268
139+00	26	4	8	40	13	8	39	1,198	612	3,501	-2,303
139+45	45	1	8	60	18	14	83	1,216	630	3,605	-2,390
139+50	5	1	8	44	2	2	10	1,217	632	3,617	-2,400
140+00	50	14	7	19	28	14	58	1,246	650	3,690	-2,444
140+50	50	9	6	12	34	13	29	1,279	666	3,726	-2,446
141+00	50	14	5	5	32	11	16	1,311	679	3,745	-2,434
141+50	50	14	4	3	34	9	7	1,345	690	3,754	-2,409
142+00	50	14	4	21	32	7	22	1,377	699	3,782	-2,404
142+20	20	11	3	8	12	3	11	1,389	702	3,795	-2,406
142+50	30	10	4	7	15	4	8	1,404	707	3,805	-2,401
143+00	50	12	4	3	27	7	9	1,432	716	3,817	-2,385
143+20	20	14	5	2	13	3	2	1,445	720	3,819	-2,374
143+50	30	16	6	2	23	6	2	1,467	727	3,822	-2,355
144+00	50	17	7	4	43	12	6	1,510	742	3,830	-2,319
144+45	45	20	8	5	43	12	8	1,554	757	3,840	-2,286
144+50	5	21	8	6	5	1	1	1,559	759	3,841	-2,282
144+65	15	20	8	7	15	4	4	1,574	764	3,845	-2,271
145+00	35	15	8	9	33	10	11	1,607	777	3,859	-2,252
145+50	50	9	7	11	36	14	19	1,643	794	3,882	-2,240
146+00	50	11	7	15	31	13	24	1,674	810	3,913	-2,239
146+25	25	9	6	18	15	6	15	1,689	817	3,932	-2,243
146+50	25	8	6	19	13	6	17	1,702	824	3,953	-2,251
147+00	50	11	5	19	28	10	34	1,731	837	3,996	-2,266
147+50	50	12	5	17	31	9	33	1,762	849	4,038	-2,276
147+70	20	14	5	14	13	3	12	1,775	853	4,052	-2,277
148+00	30	18	4	10	23	5	13	1,798	859	4,069	-2,271
148+50	50	22	4	7	44	7	16	1,842	868	4,089	-2,247
149+00	50	16	3	10	41	6	16	1,883	876	4,109	-2,226
149+20	20	14	3	11	13	2	8	1,896	879	4,118	-2,222
149+50	30	16	2	11	20	3	12	1,916	883	4,134	-2,218
150+00	50	18	2	11	35	4	21	1,951	887	4,159	-2,209
150+25 BK	25	18	1	20	18	1	14	1,969	889	4,177	-2,209
				TOTALS	1,969	711	3,342				

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SECTION 3 SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT AREA/VOLUME. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SECTION 3 SUMMARY SHEET.
3 - EXPANDED MATERIAL	(UNEXPANDED MATERIAL)*(EXPANSION FACTOR)
4 - MASS ORDINATE	CUT - (EXPANDED FILL); POSITIVE. INDICATES AN EXCESS OF MATERIAL
5 - EXISTING CONCRETE PAVEMENT	CONCRETE PAVEMENT IS ANTICIPATED TO BE PRESENT BELOW THE PROPOSED CUT SHOWN ON THE CROSS SECTIONS. REMOVE ALL CONCRETE PAVEMENT. THE CUT AREA INCLUDES REMOVAL REQUIRED FOR PROPOSED SUBGRADE SHOWN ON THE CROSS SECTION AND REMOVAL OF EXISTING CONCRETE (AREAS NOT SHOWN ON THE CROSS SECTIONS). BACKFILL GRANULAR GRADE 1 INCLUDES BACKFILLING AREA OF CONCRETE REMOVAL.

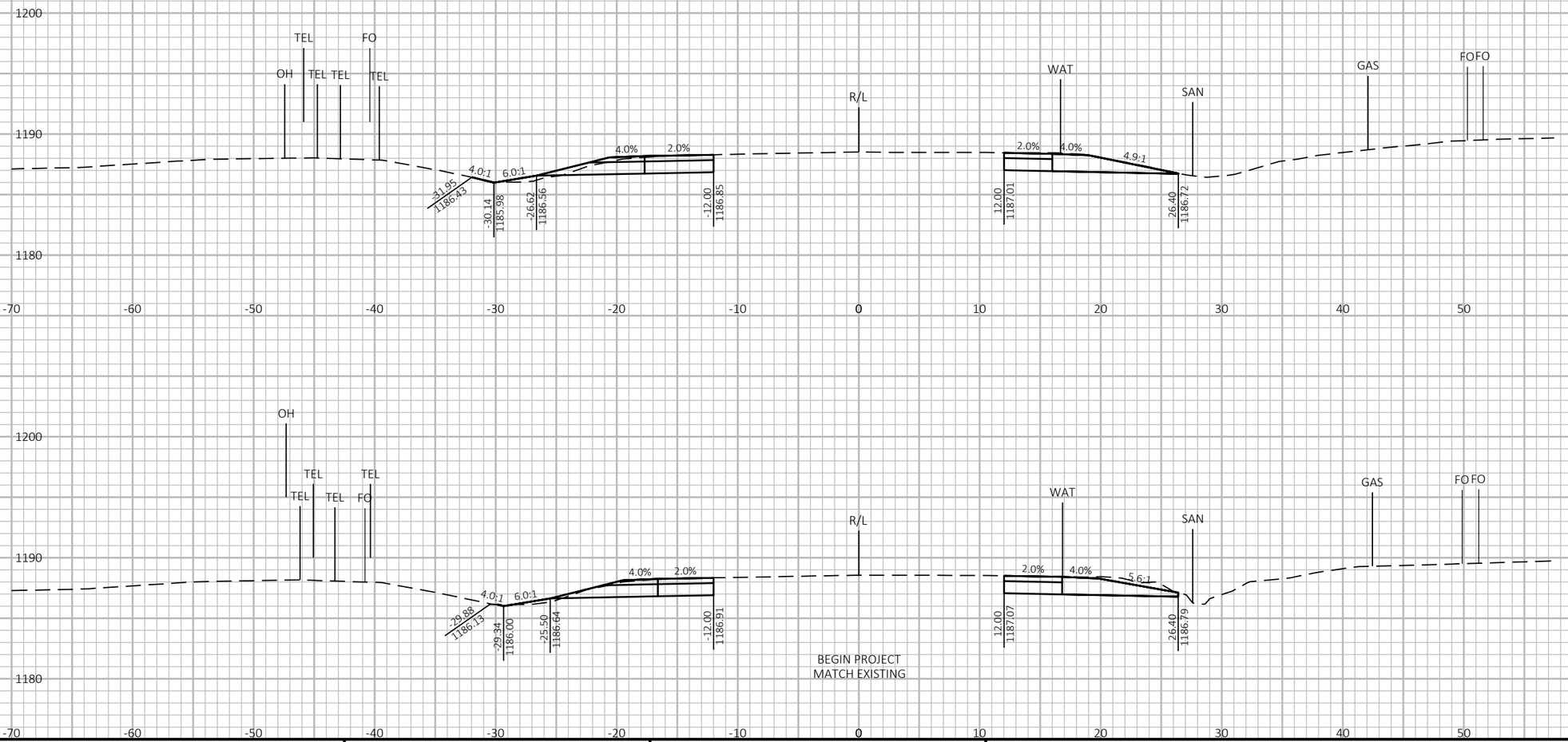
DIVISION 7 - STA 19+17 TO STA 23+61 - S 72ND AVENUE - RT - STAGE 4

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.25	MASS ORDINATE (NOTE 4)
19+17	0	2	0	0	0	0	0	0
19+19	2	110	0	4	0	4	0	4
19+50	31	68	2	102	1	106	2	105
20+00	50	26	1	87	3	193	5	188
20+50	50	17	0	40	1	233	7	226
21+00	50	17	0	31	0	264	7	257
21+50	50	20	0	34	0	298	7	291
21+73	23	19	0	17	0	314	7	307
22+00	27	17	0	18	0	333	7	326
22+50	50	14	0	29	0	362	7	354
23+00	50	12	0	24	0	386	7	379
23+50	50	10	0	20	0	406	7	399
23+61	11	10	0	4	0	410	7	403
			TOTALS	410	6			

DIVISION 7 - STA 100+42 TO STA 119+50 - STEWART AVENUE - LT - STAGE 4

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) CUT (NOTE 5)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) BACKFILL GRANULAR GRADE 1 (NOTE 5)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT 1.00	CUMULATIVE VOLUME (CY) BACKFILL GRANULAR GRADE 1 (NOTES 3 & 5) 1.25	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.25	MASS ORDINATE (NOTE 4)
100+42	0	10	0	0	0	0	0	0	0	0	0
100+50	8	23	0	0	5	0	0	5	0	0	5
100+77	27	23	0	0	23	0	0	28	0	0	28
101+00	23	24	0	0	20	0	0	48	0	0	48
101+31	31	24	0	0	28	0	0	76	0	0	76
101+39	8	31	0	5	8	0	1	84	0	1	83
101+50	11	29	0	6	12	0	2	97	0	4	93
102+00	50	21	2	14	48	1	18	145	2	26	119
102+50	50	22	1	11	42	2	23	187	5	54	133
102+75	25	25	0	8	22	0	9	210	5	66	144
102+83	8	26	0	8	8	0	2	217	5	69	149
103+00	17	25	0	10	16	0	6	233	5	76	158
103+50	50	17	3	17	41	3	24	275	9	106	169
104+00	50	7	7	27	31	9	40	306	20	156	150
104+50	50	11	6	22	29	12	45	335	35	213	123
104+80	30	14	5	19	20	6	23	355	43	241	114
105+00	20	16	5	18	15	4	14	370	48	259	111
105+50	50	20	2	14	39	6	29	409	56	295	114
106+00	50	25	0	9	44	2	21	453	58	322	132
106+14	14	26	0	9	13	0	5	467	58	328	139
106+50	36	26	0	8	35	0	11	501	58	342	159
106+74	24	26	0	9	23	0	8	524	58	351	173
107+00	26	25	0	9	24	0	9	549	58	362	186
107+36	36	32	0	2	38	0	8	587	58	372	215
107+50	14	26	0	8	15	0	3	602	58	376	227
108+00	50	27	0	8	50	0	15	652	58	394	258
108+50	50	36	0	0	58	0	7	710	58	403	307
109+00	50	29	0	7	60	0	7	770	58	412	359
109+50	50	30	0	6	54	0	12	825	58	426	398
110+00	50	29	0	8	54	0	13	879	58	442	437
110+34	34	41	0	2	44	0	7	923	58	450	473
110+50	16	42	0	2	25	0	1	948	58	452	496
110+80	30	29	0	7	40	0	5	987	58	458	529
111+00	20	30	0	7	22	0	5	1,009	58	465	544
111+50	50	30	0	7	55	0	13	1,064	58	481	583
112+00	50	30	0	4	56	0	10	1,120	58	493	626
112+24	24	46	0	1	34	0	2	1,154	58	496	657
112+50	26	29	0	5	36	0	3	1,190	58	500	690
112+70	20	30	0	5	22	0	4	1,212	58	505	708
113+00	30	32	0	4	34	0	5	1,246	58	511	736
113+50	50	32	0	4	58	0	7	1,305	58	519	785
114+00	50	31	0	3	58	0	6	1,362	58	527	835
114+50	50	27	0	5	54	0	8	1,416	58	537	879
115+00	50	25	0	7	49	0	12	1,465	58	552	913
115+50	50	23	0	9	44	0	15	1,509	58	570	939
116+00	50	21	0	10	41	0	17	1,550	59	592	958
116+20	20	21	0	10	16	0	7	1,566	59	601	965
116+50	30	20	1	10	23	1	11	1,589	60	614	975
117+00	50	18	2	10	38	3	18	1,627	63	637	990
117+50	50	18	3	11	38	5	20	1,665	70	662	1,004
118+00	50	15	4	5	37	6	15	1,702	78	681	1,021
118+37	37	15	5	0	27	6	3	1,729	85	685	1,044
118+50	13	15	6	0	10	3	0	1,738	89	685	1,053
119+00	50	11	9	0	38	14	0	1,776	106	685	1,091
119+50	50	14	10	39	41	18	36	1,817	128	730	1,087
				TOTALS	1,817	102	584				

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SECTION 3 SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT AREA/VOLUME. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SECTION 3 SUMMARY SHEET.
3 - EXPANDED MATERIAL	(UNEXPANDED MATERIAL)*(EXPANSION FACTOR)
4 - MASS ORDINATE	CUT - (EXPANDED FILL); POSITIVE. INDICATES AN EXCESS OF MATERIAL
5 - EXISTING CONCRETE PAVEMENT	CONCRETE PAVEMENT IS ANTICIPATED TO BE PRESENT BELOW THE PROPOSED CUT SHOWN ON THE CROSS SECTIONS. REMOVE ALL CONCRETE PAVEMENT. THE CUT AREA INCLUDES REMOVAL REQUIRED FOR PROPOSED SUBGRADE SHOWN ON THE CROSS SECTION AND REMOVAL OF EXISTING CONCRETE (AREAS NOT SHOWN ON THE CROSS SECTIONS). BACKFILL GRANULAR GRADE 1 INCLUDES BACKFILLING AREA OF CONCRETE REMOVAL.



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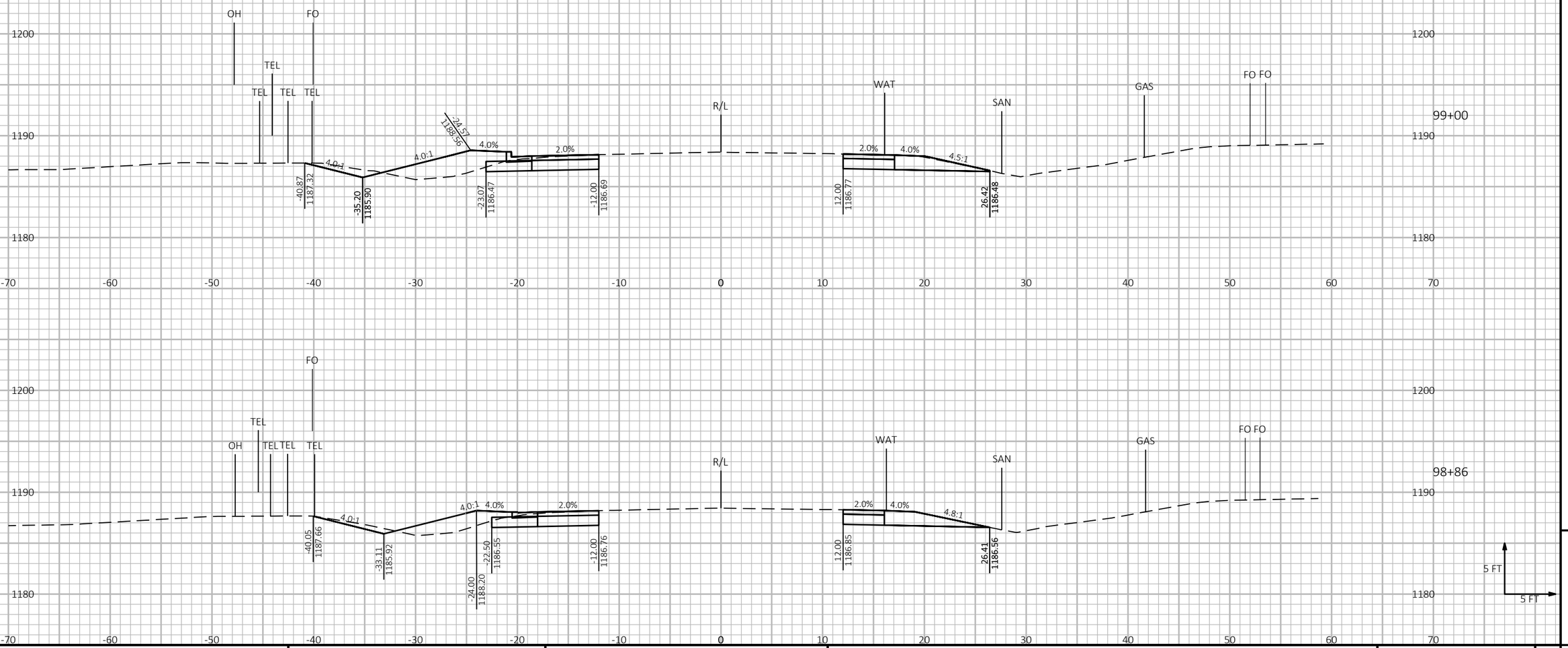
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 439	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 01

PLOT DATE : 8/24/2023 3:51 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 440	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 02

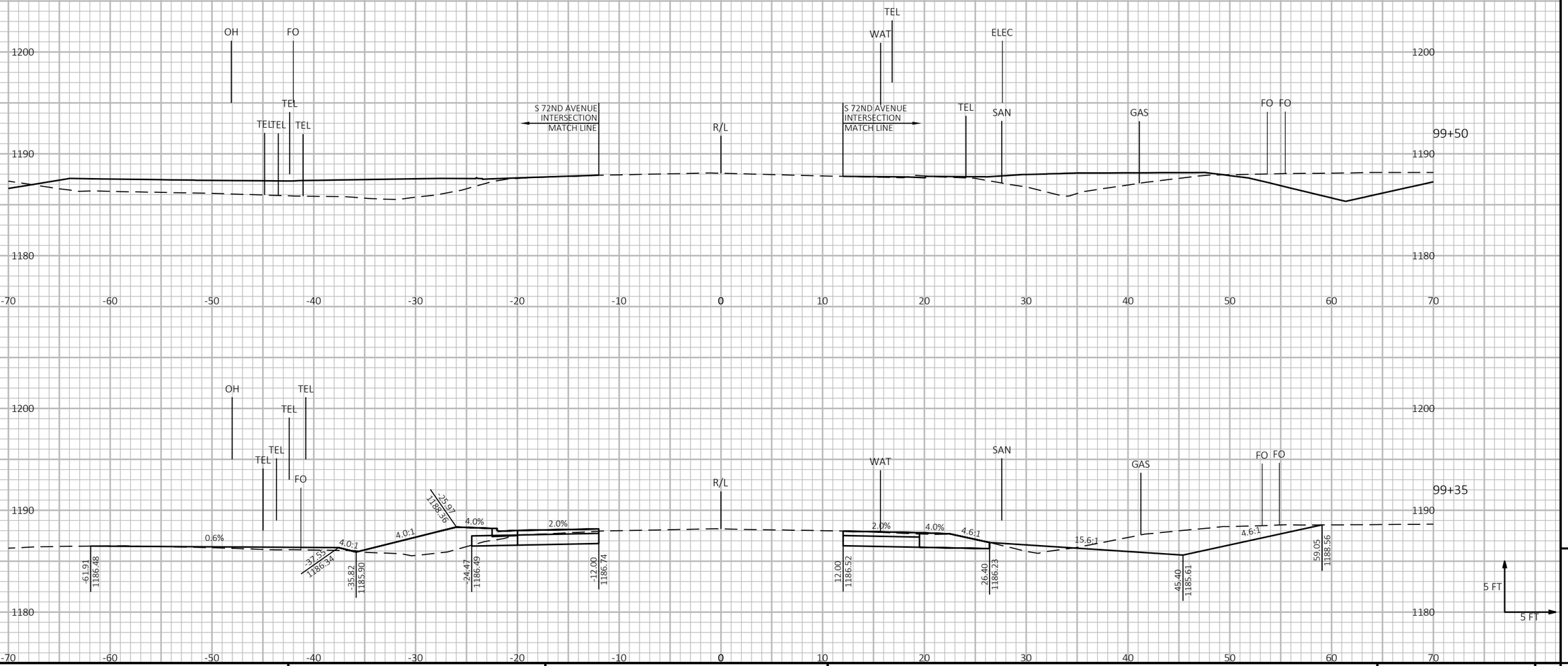
PLOT DATE : 8/24/2023 3:51 PM

PLOT BY : JESSICA SPLITTGERBER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

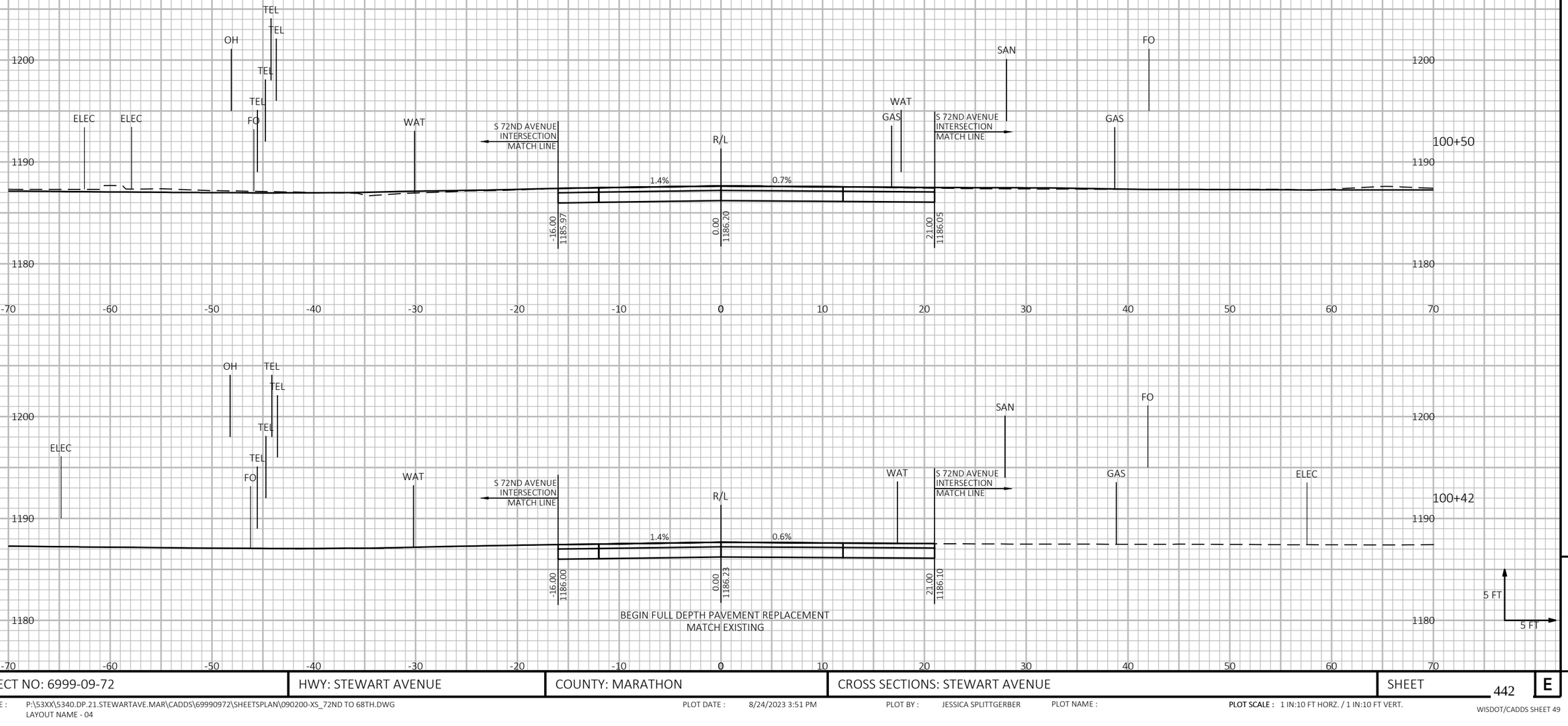


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 441	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 03

PLOT DATE : 8/24/2023 3:51 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

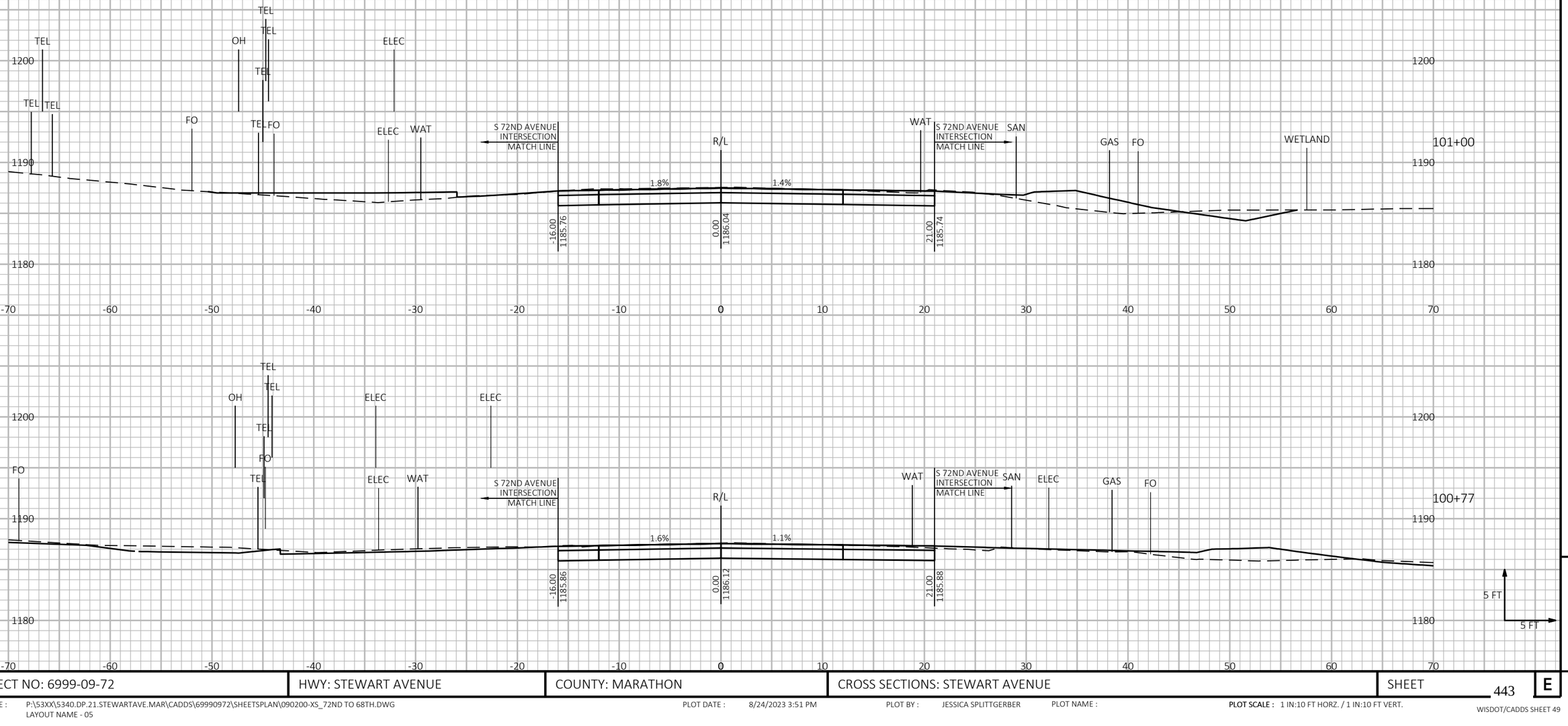


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 442	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 04

PLOT DATE : 8/24/2023 3:51 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

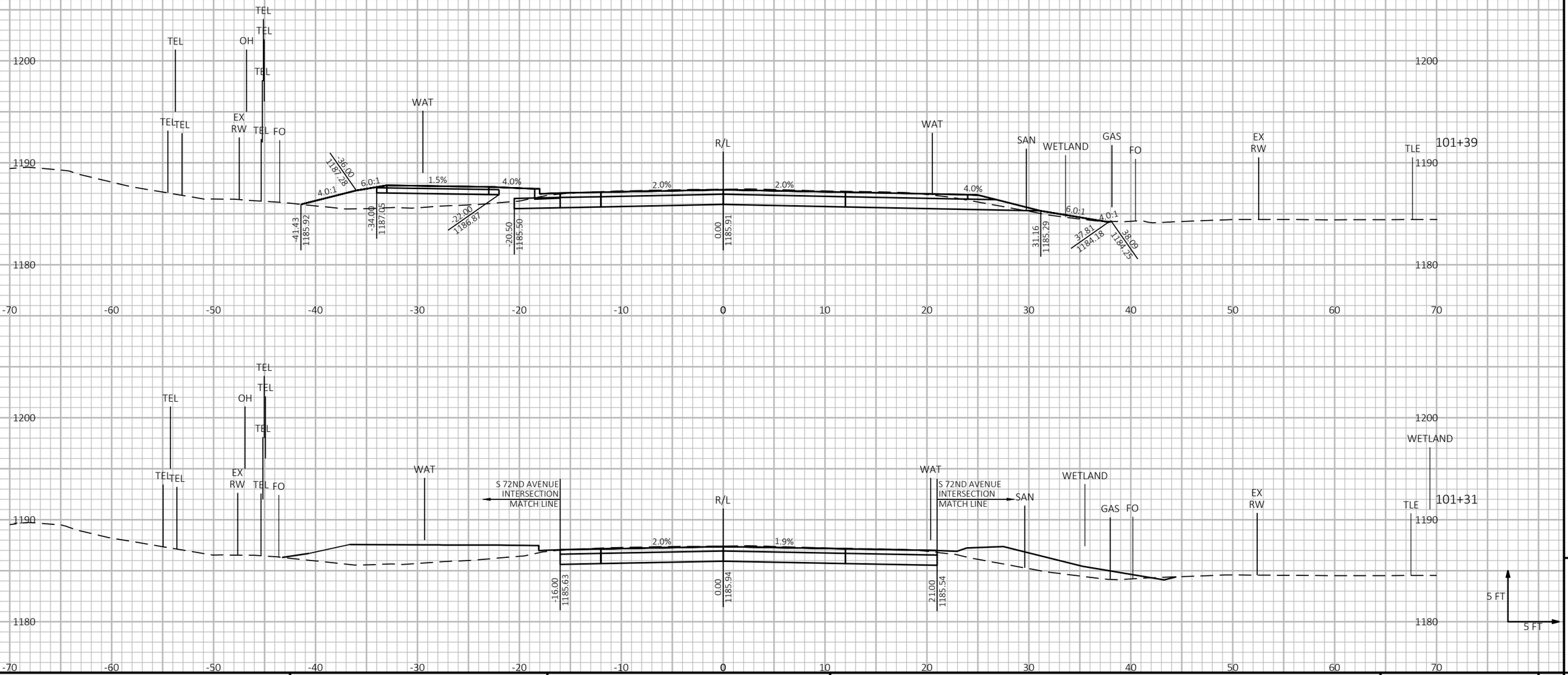


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 443	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 05

PLOT DATE : 8/24/2023 3:51 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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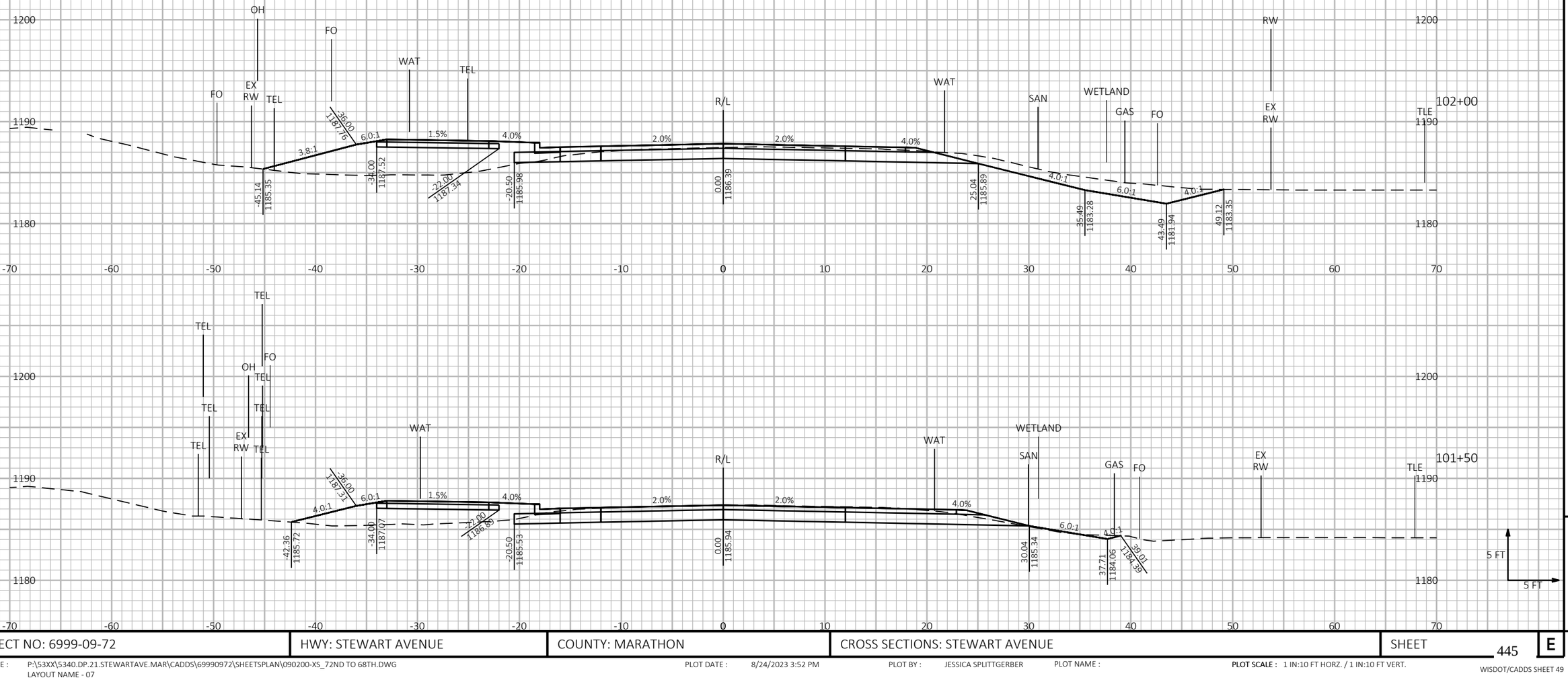
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FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 06

PLOT DATE : 8/24/2023 3:52 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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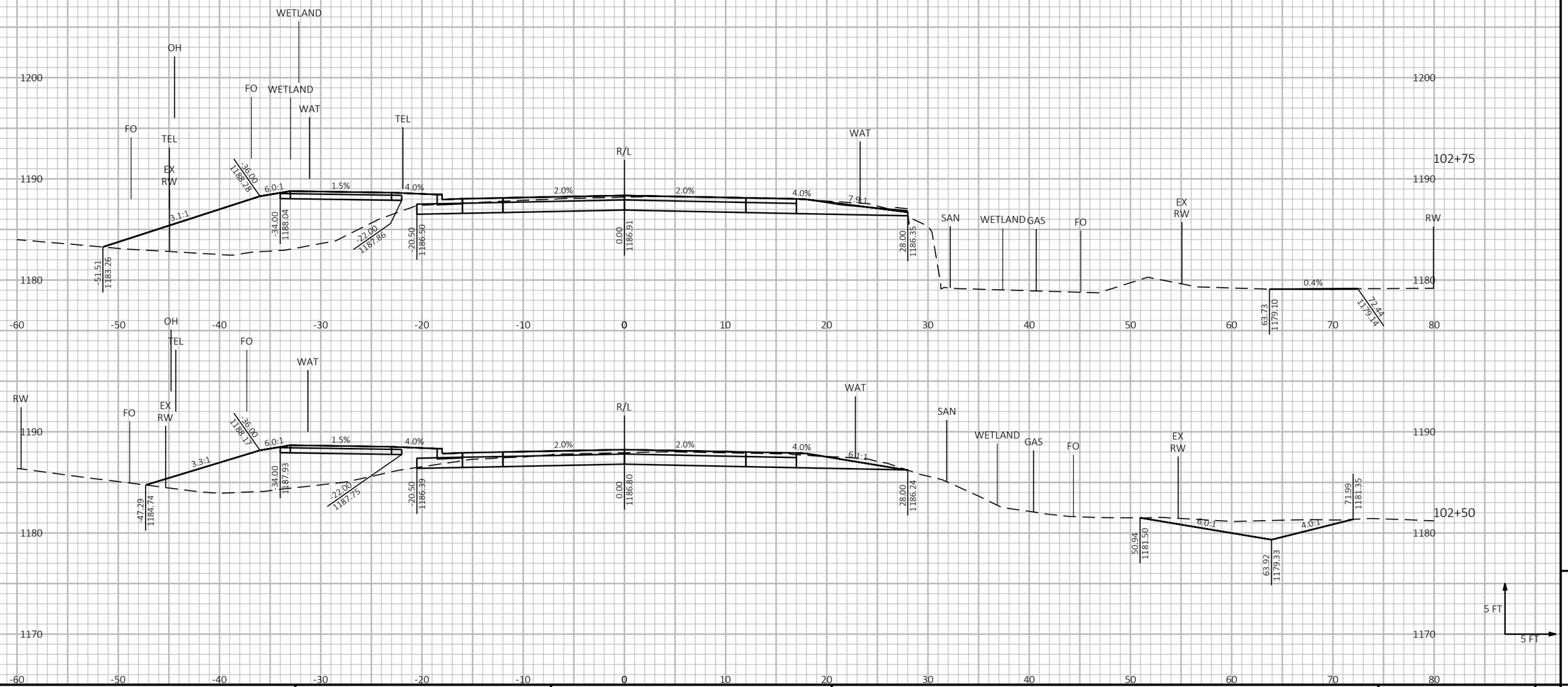
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 445	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 07

PLOT DATE : 8/24/2023 3:52 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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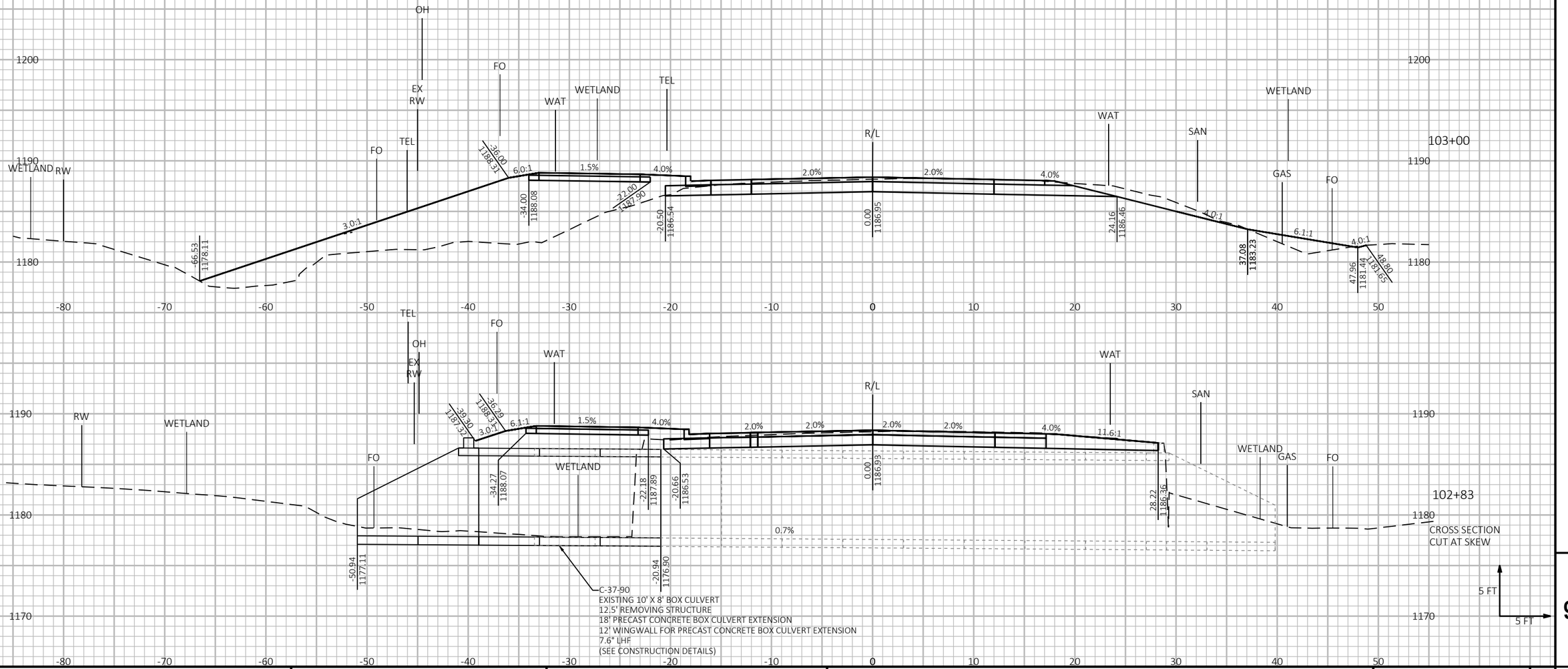
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 446	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 08

PLOT DATE : 8/24/2023 3:52 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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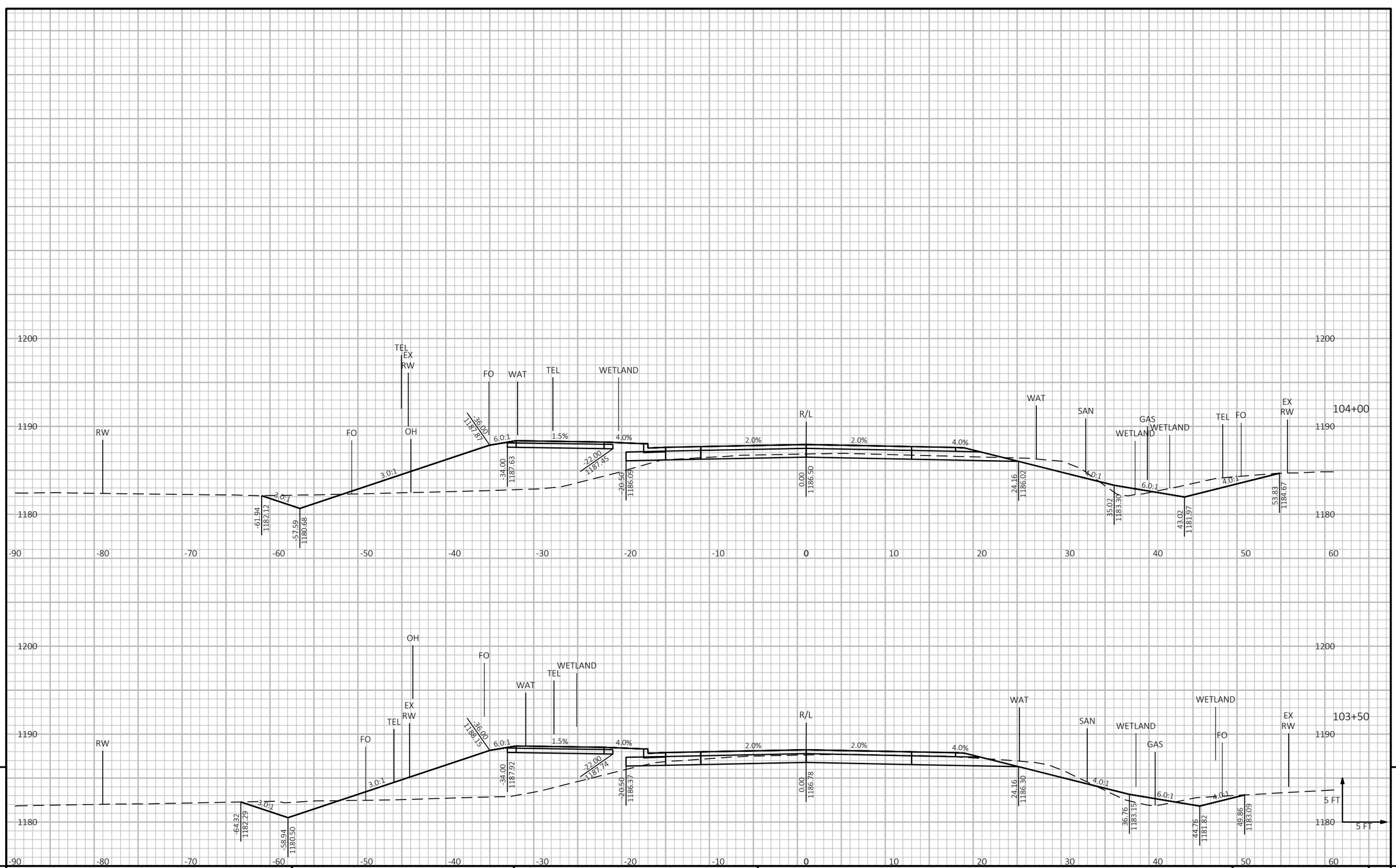
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 447	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 09

PLOT DATE : 8/24/2023 3:52 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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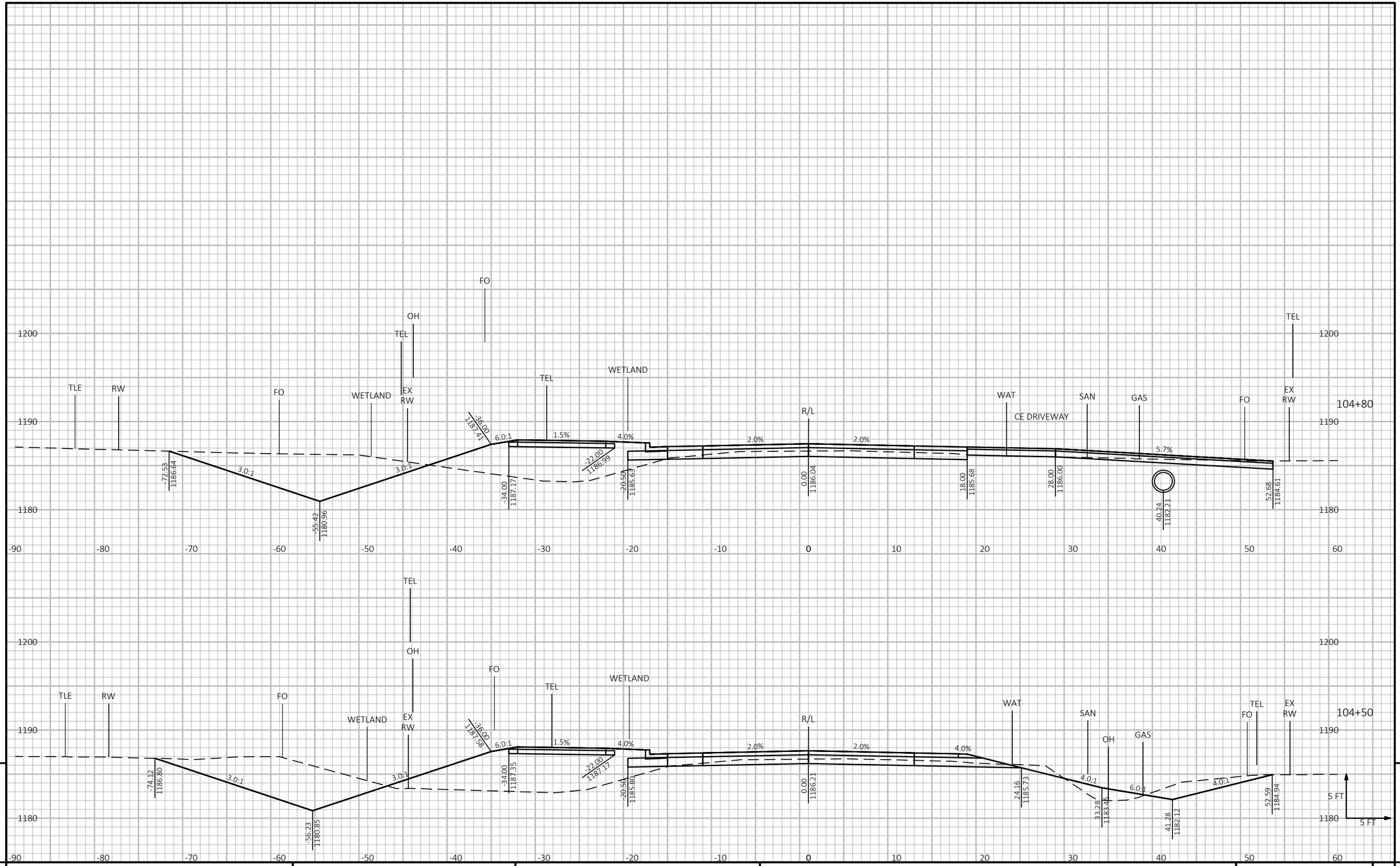
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 448	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 10

PLOT DATE : 8/24/2023 3:52 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



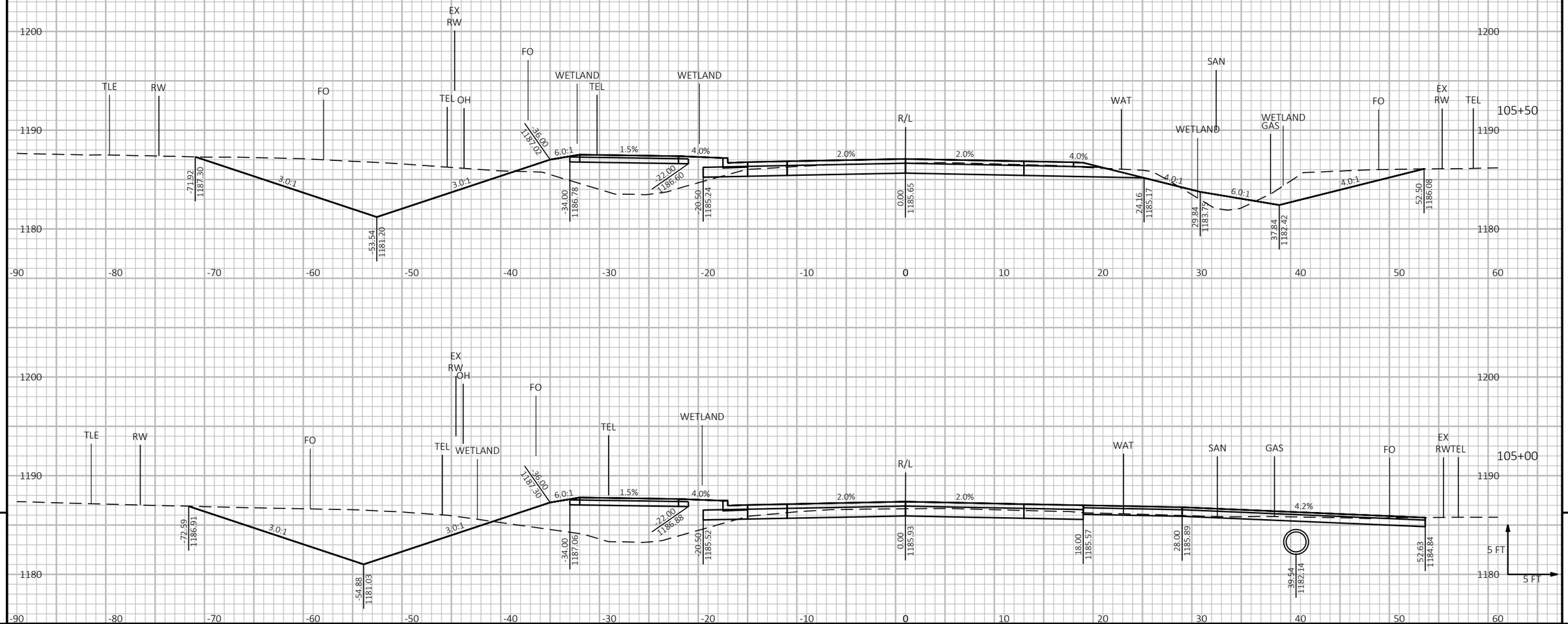
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 449	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 11

PLOT DATE : 8/24/2023 3:52 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 450	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 12

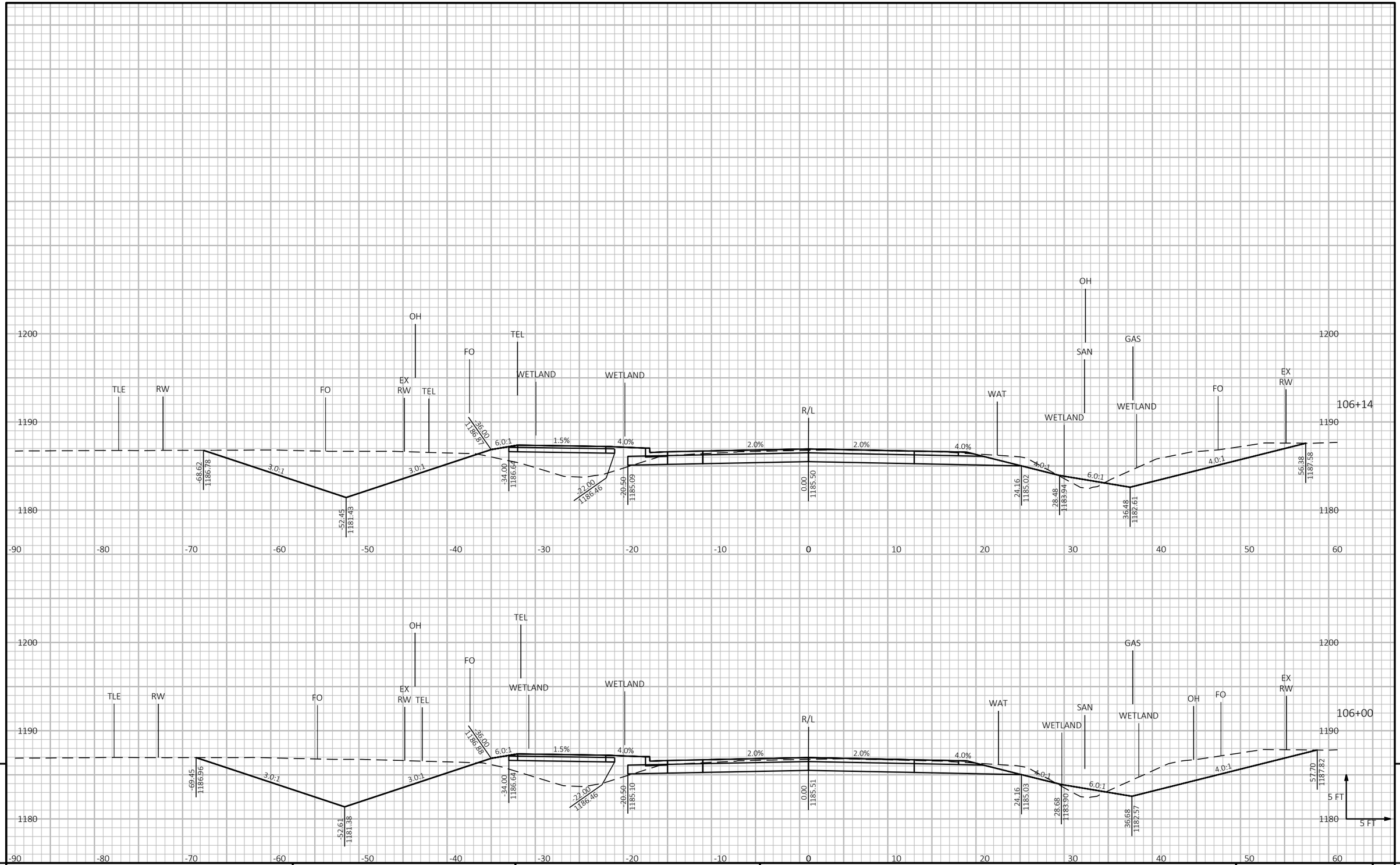
PLOT DATE : 8/24/2023 3:53 PM

PLOT BY : JESSICA SPLITTGERBER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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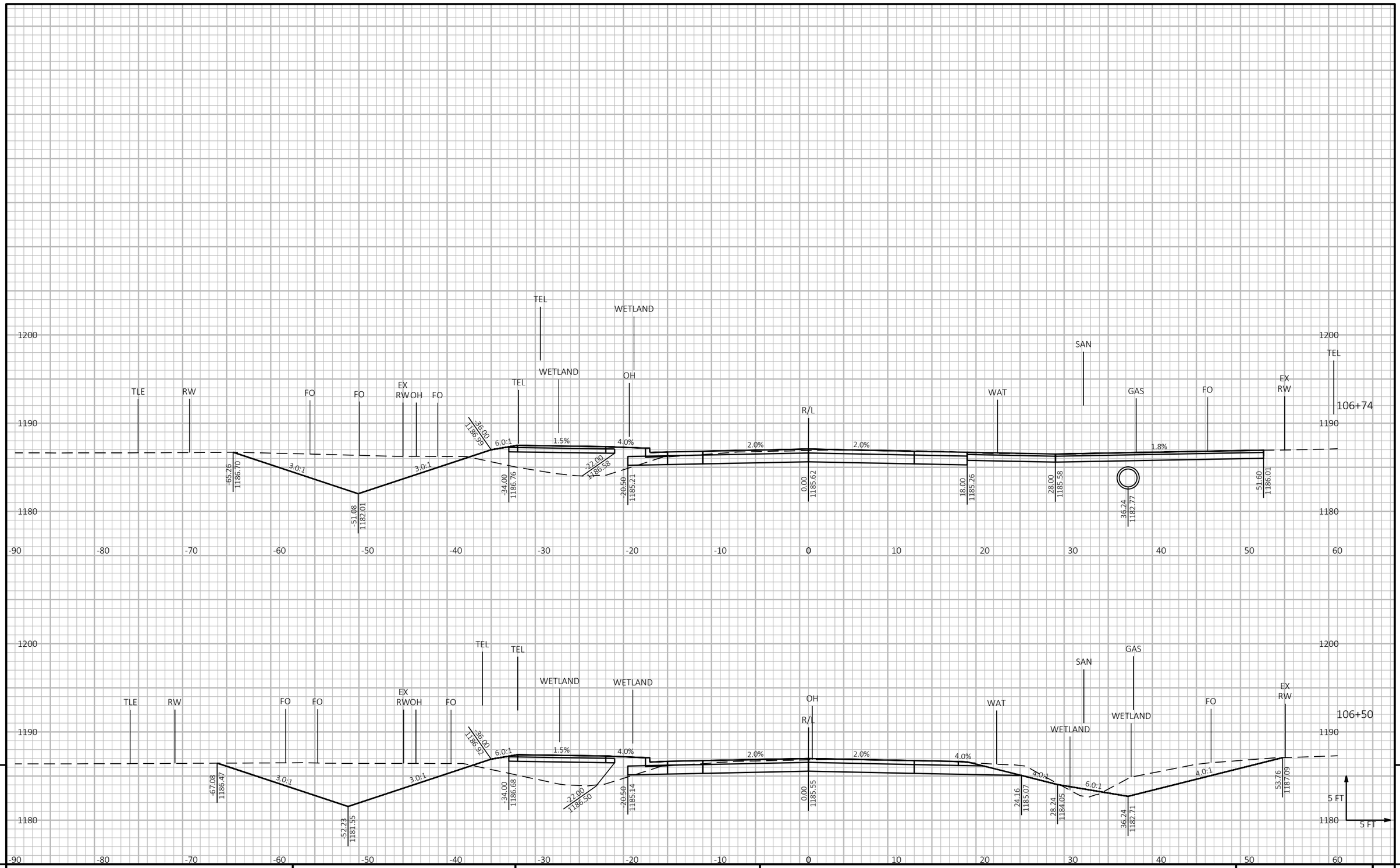
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 451	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 13

PLOT DATE : 8/24/2023 3:53 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

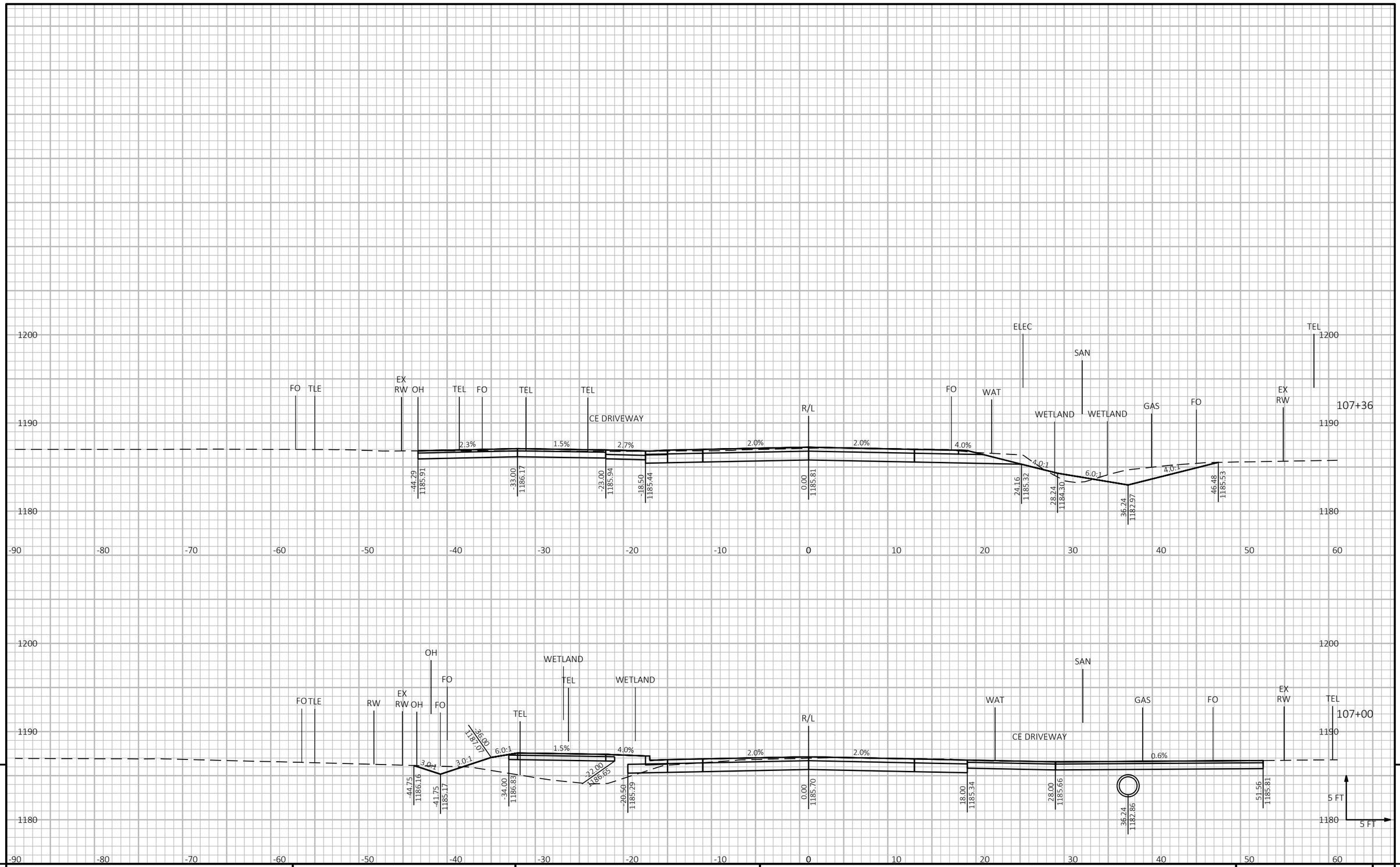


9 9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 452	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 14

PLOT DATE : 8/24/2023 3:53 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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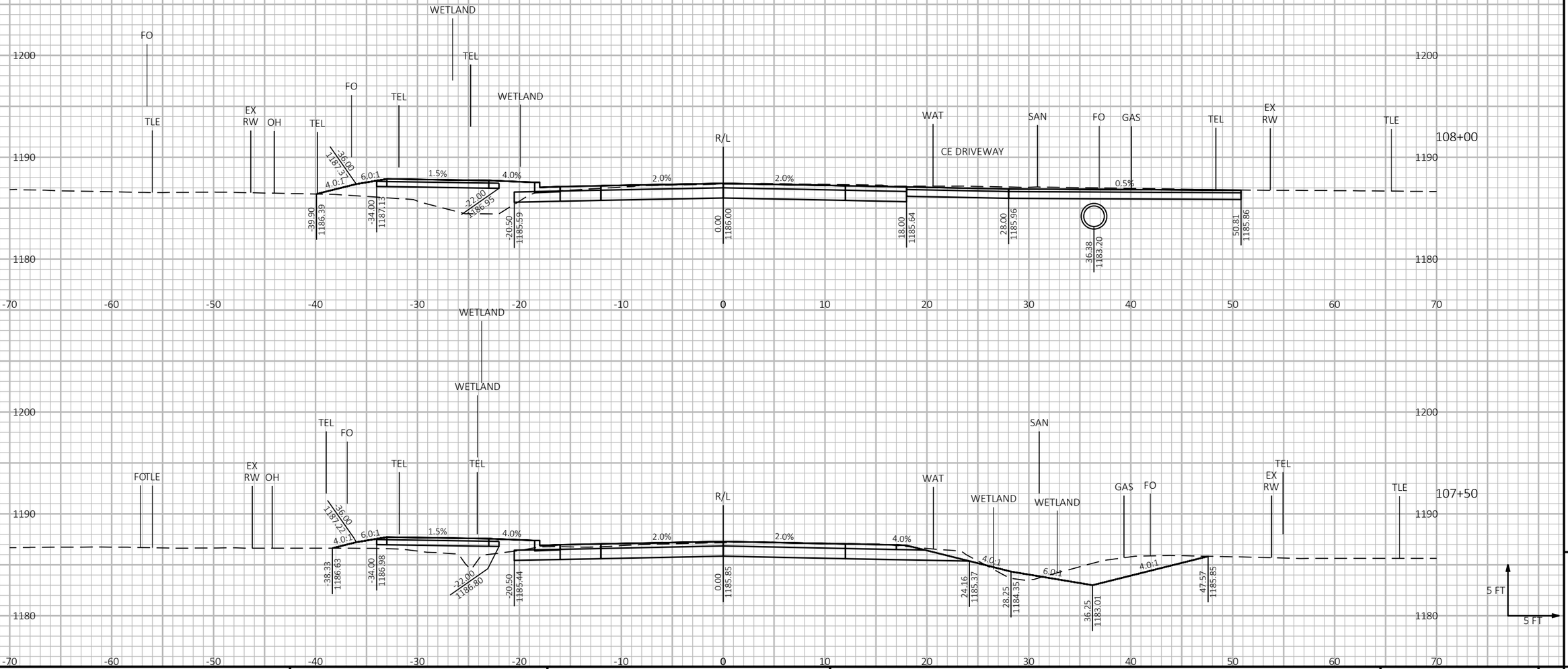
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 453	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 15

PLOT DATE : 8/24/2023 3:53 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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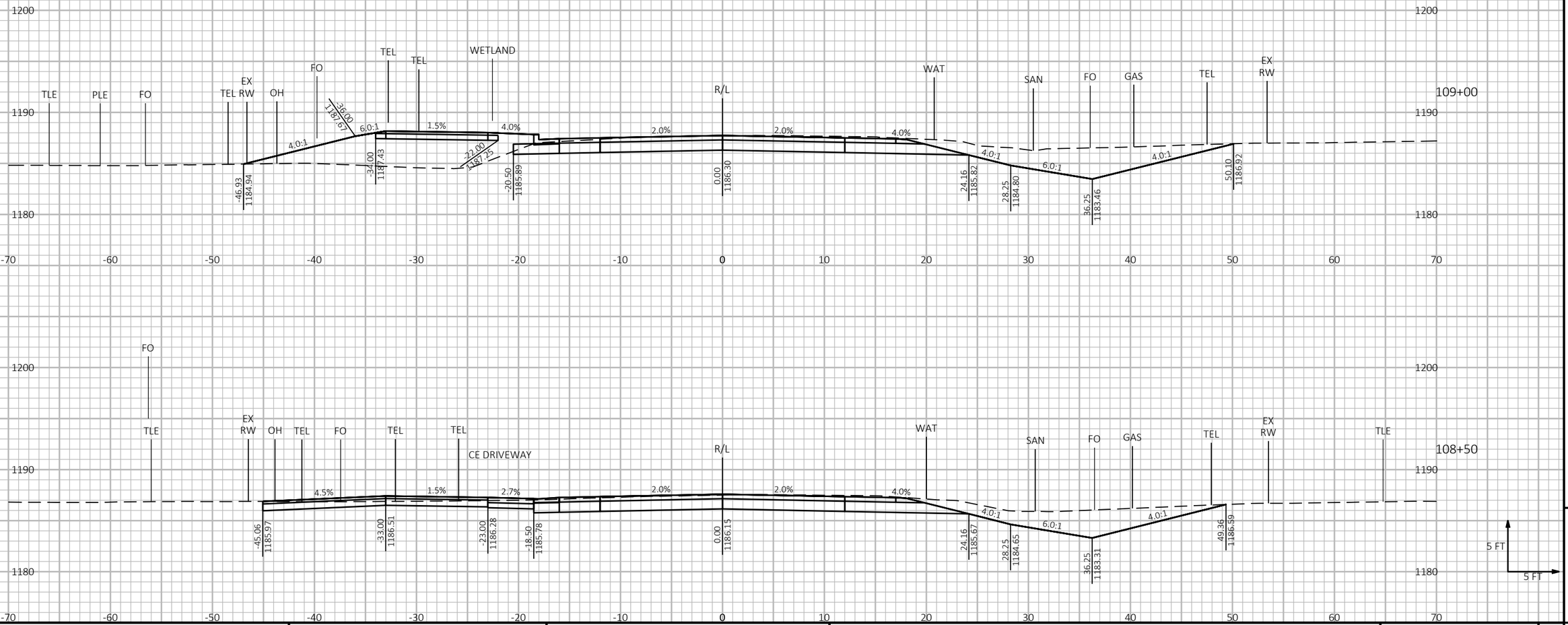
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 454	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 16

PLOT DATE : 8/24/2023 3:53 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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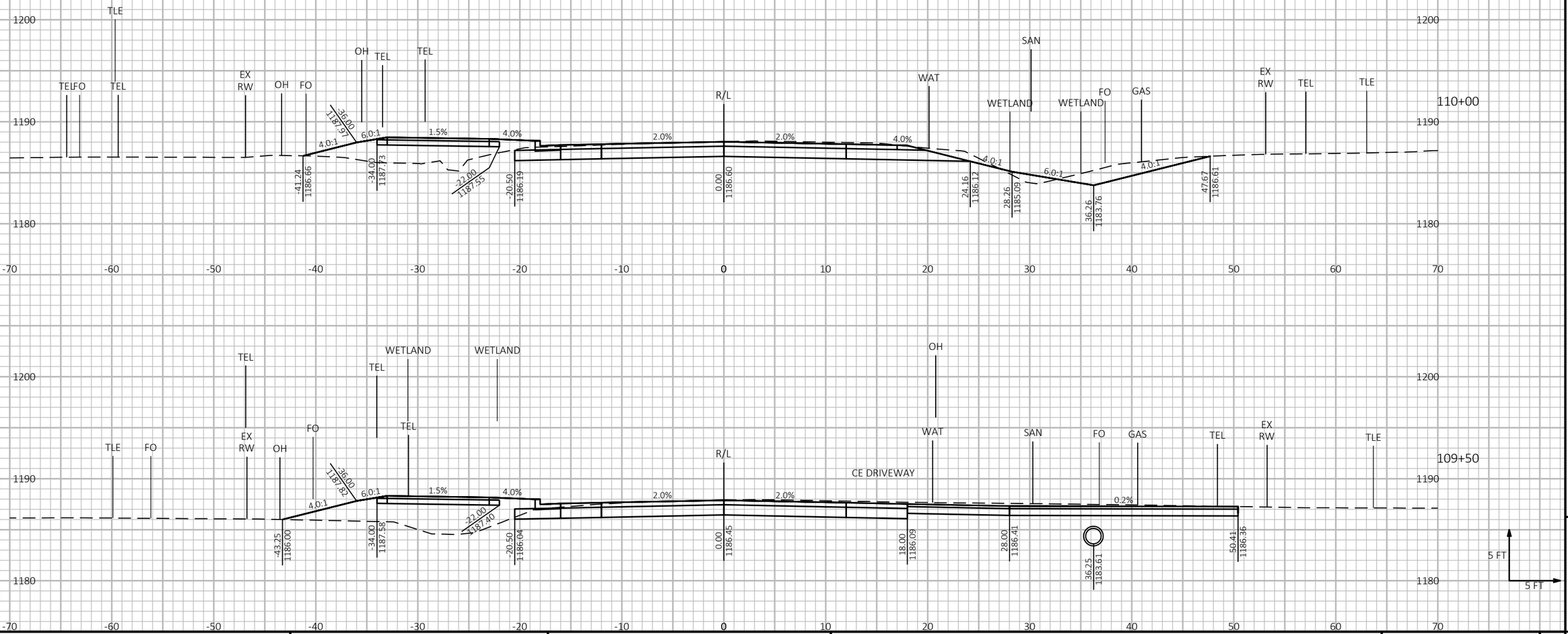
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 455	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 17

PLOT DATE : 8/24/2023 3:53 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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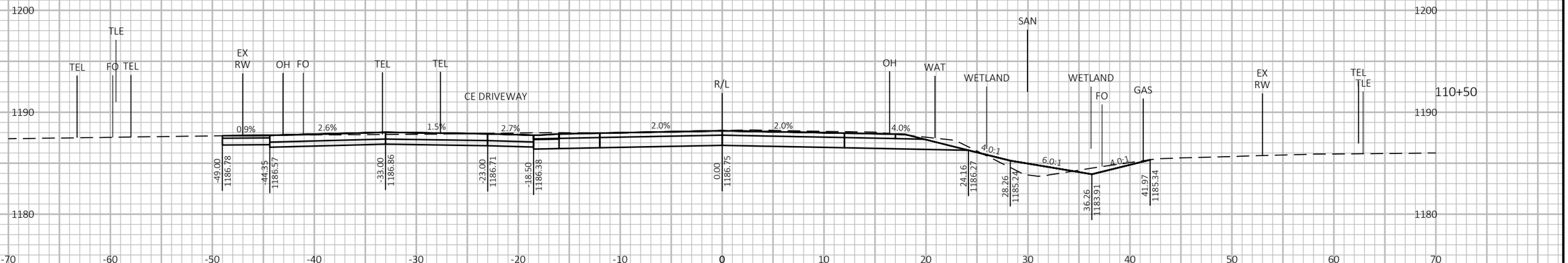
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 456	E

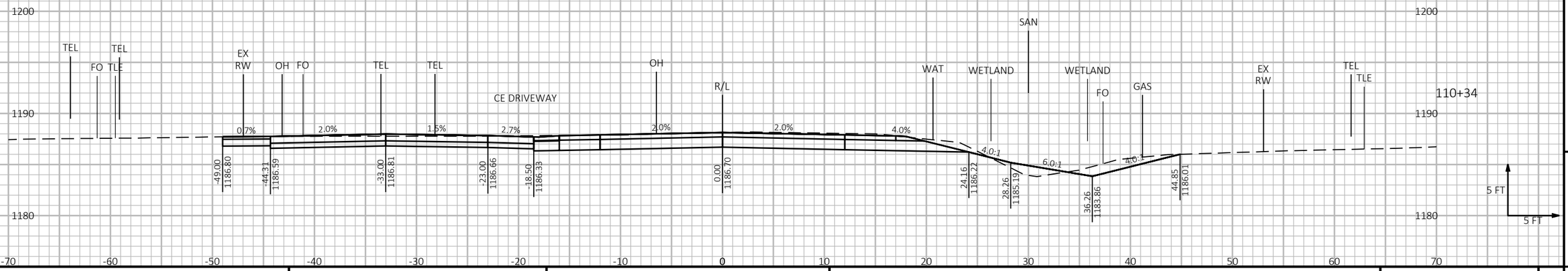
FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 18

PLOT DATE : 8/24/2023 3:54 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 457	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 19

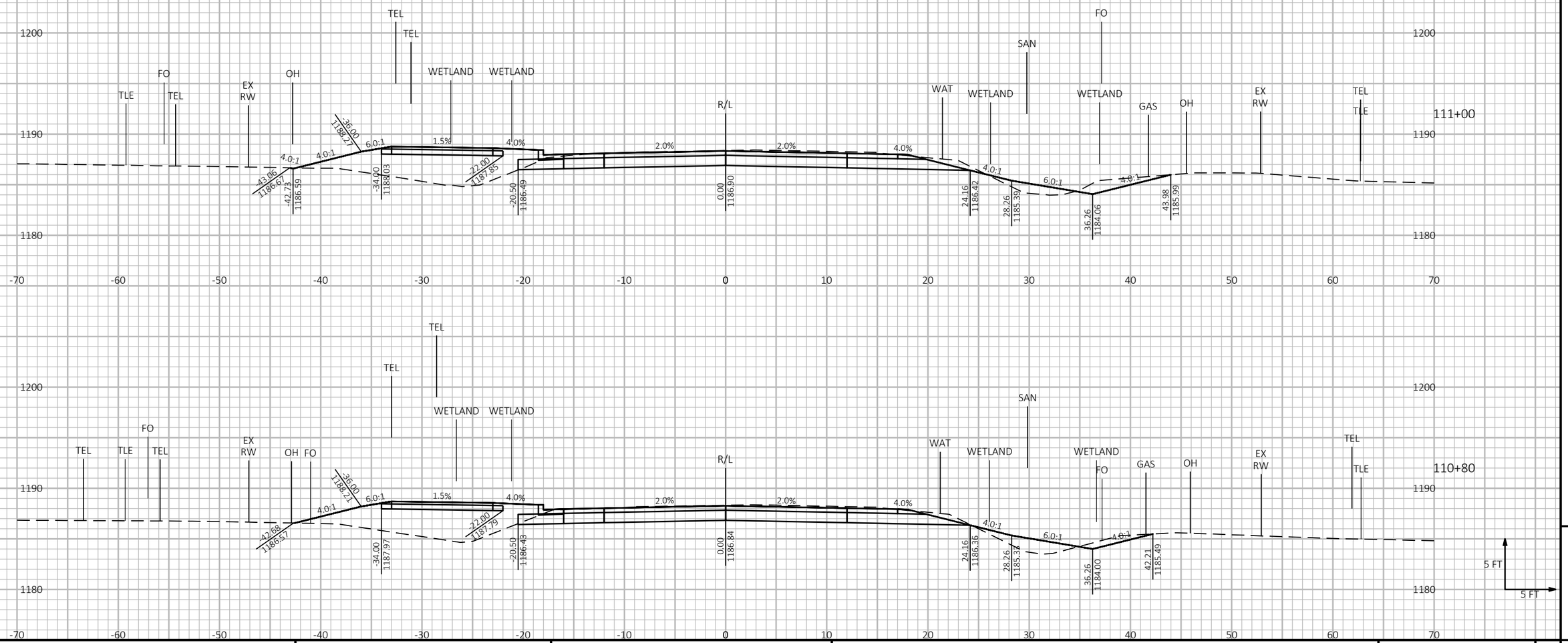
PLOT DATE : 8/24/2023 3:54 PM

PLOT BY : JESSICA SPLITTGERBER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 458	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 20

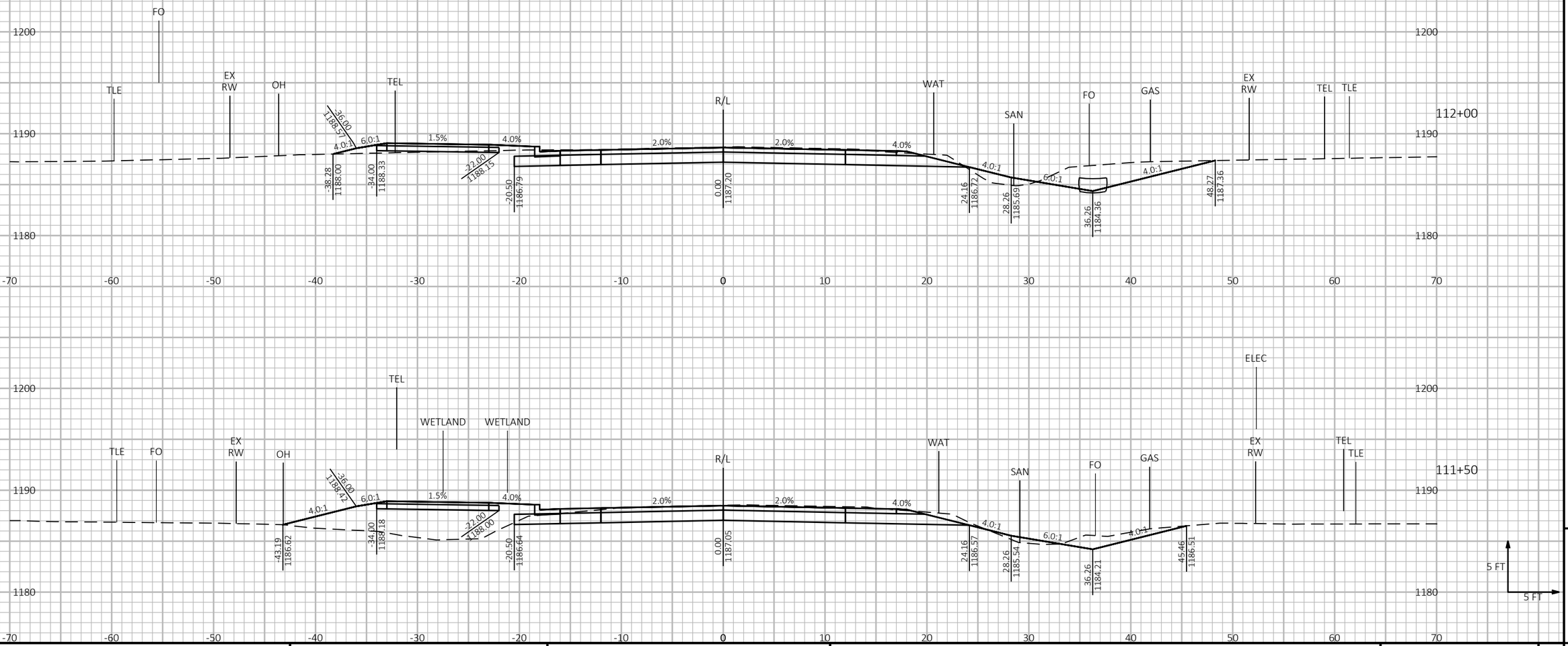
PLOT DATE : 8/24/2023 3:54 PM

PLOT BY : JESSICA SPLITTGERBER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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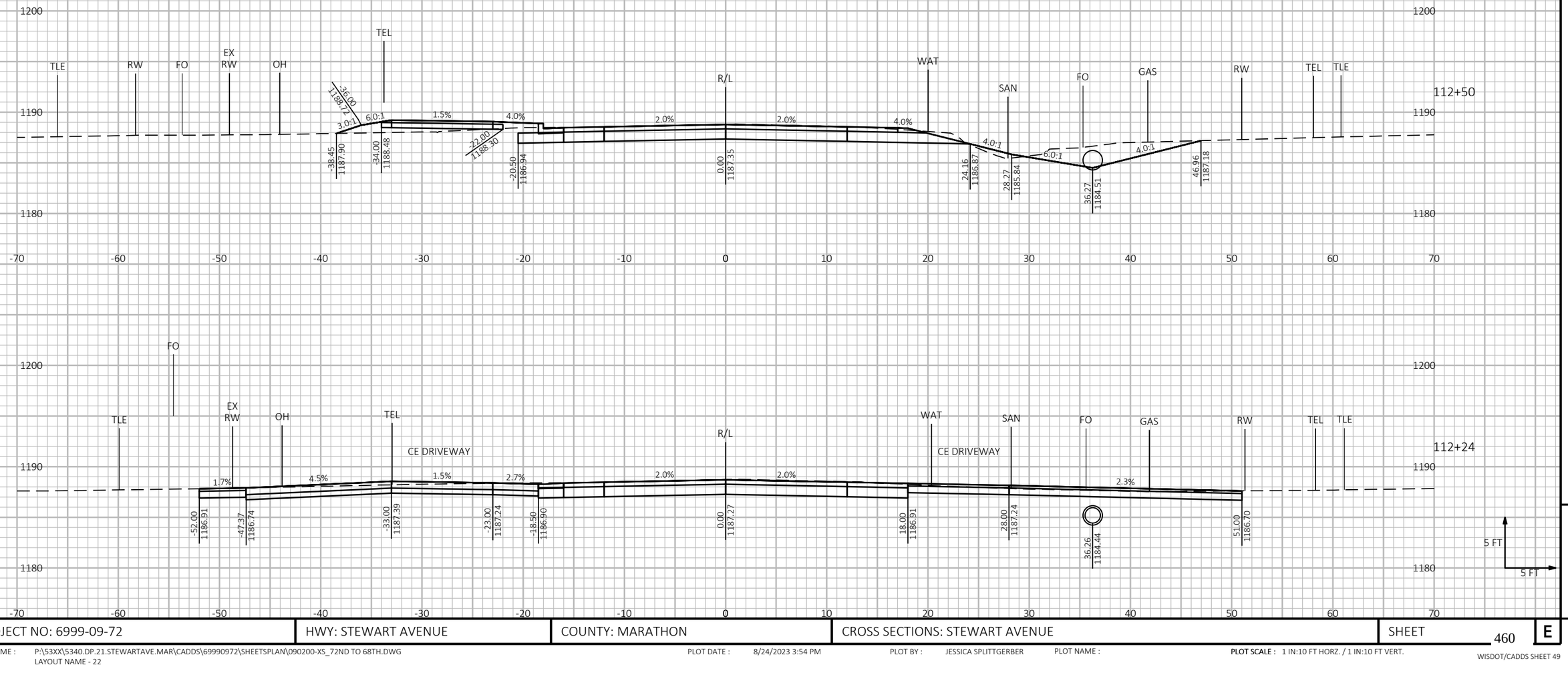
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 459	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 21

PLOT DATE : 8/24/2023 3:54 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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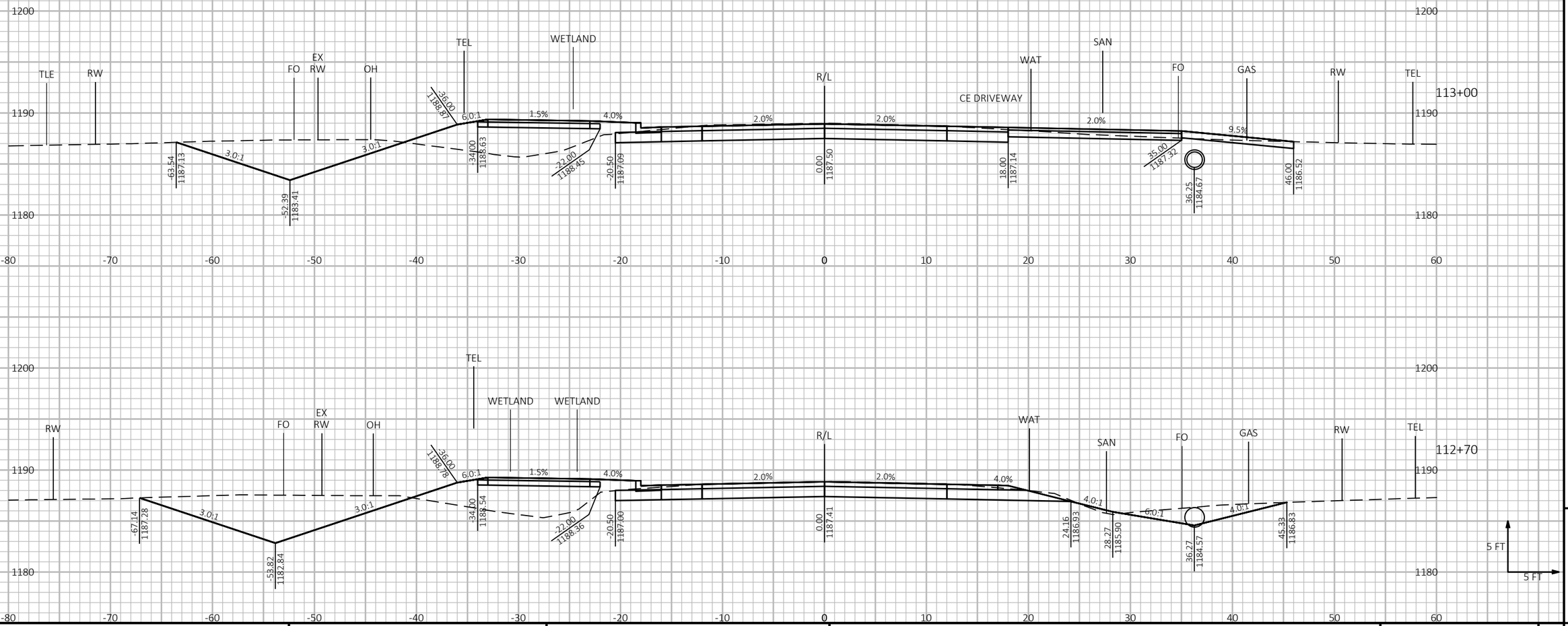
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 460	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 22

PLOT DATE : 8/24/2023 3:54 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



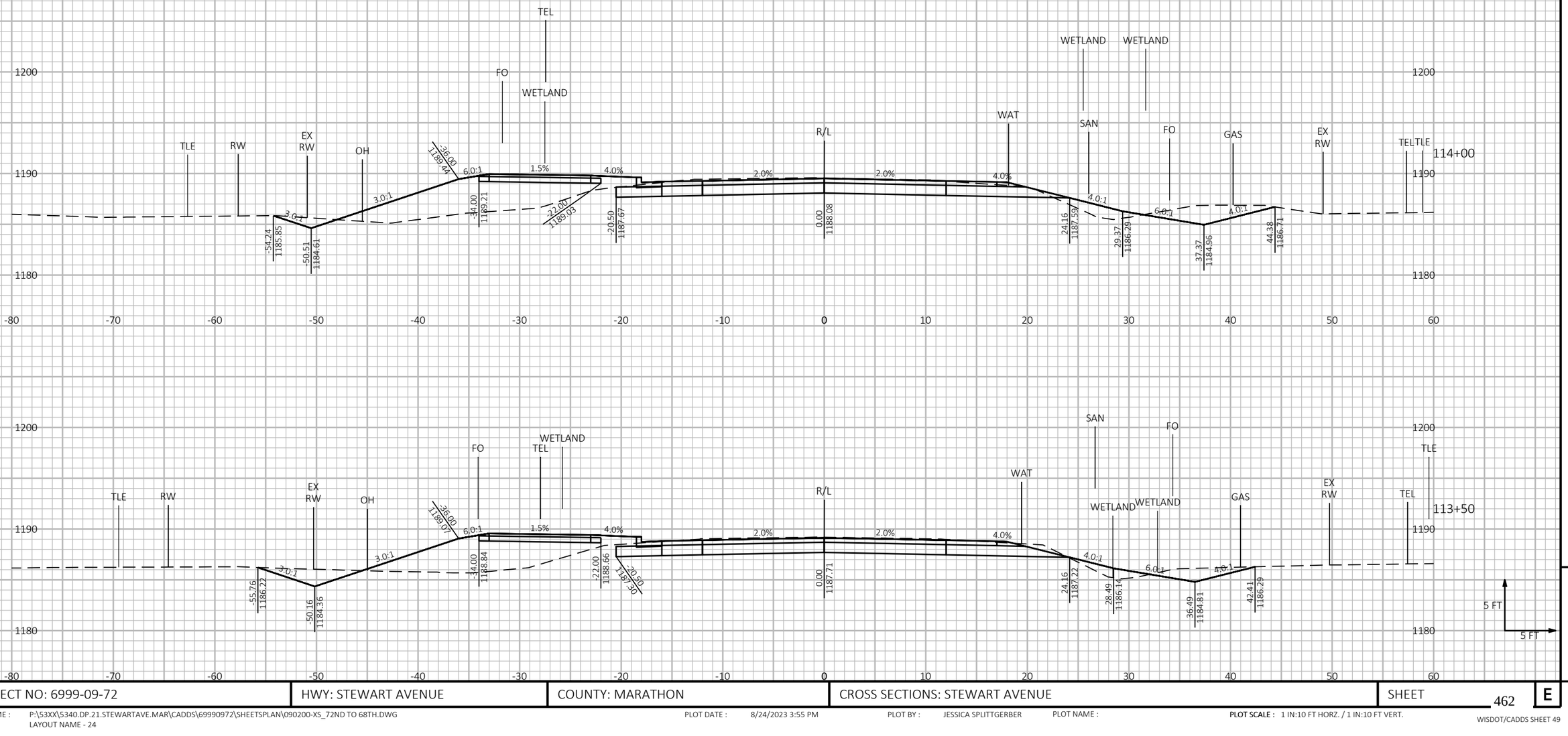
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9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 461	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 23

PLOT DATE : 8/24/2023 3:54 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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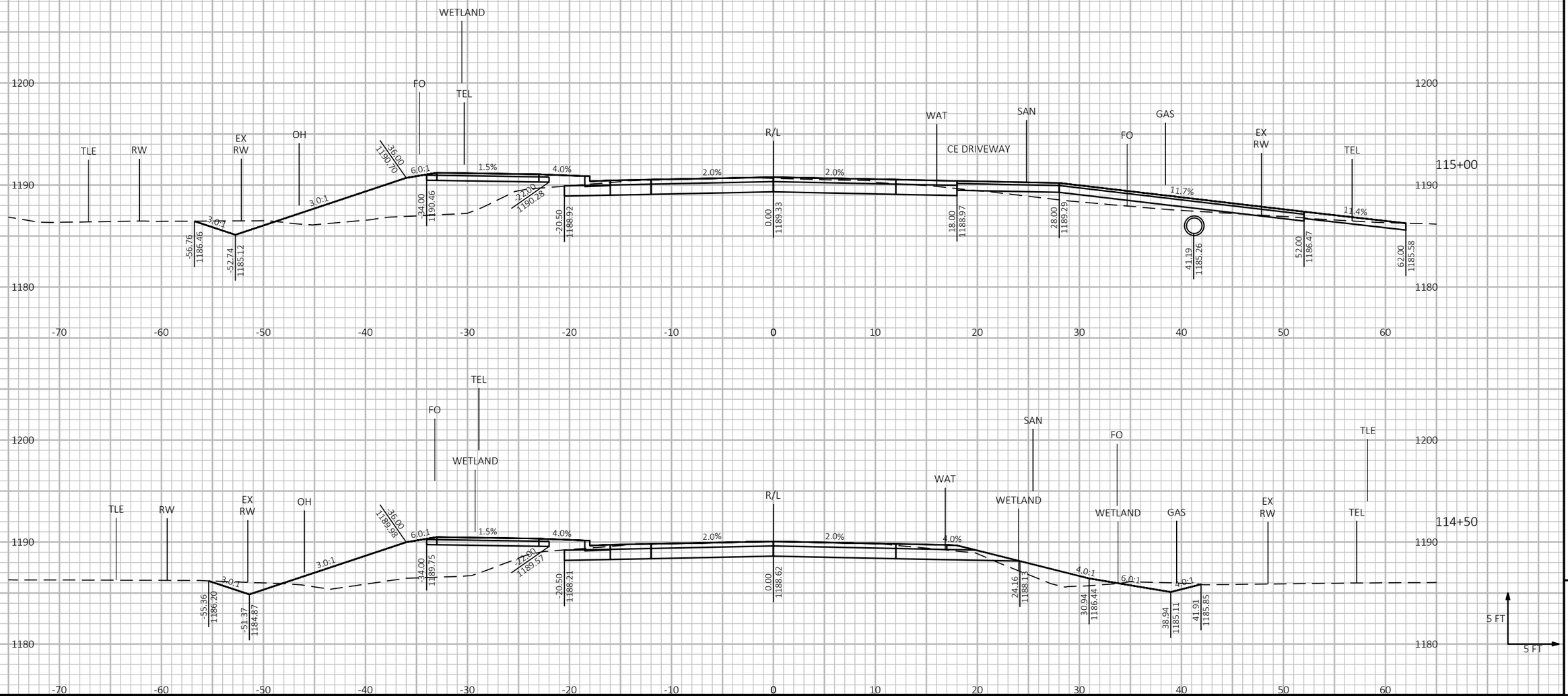
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 462	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 24

PLOT DATE : 8/24/2023 3:55 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 463	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 25

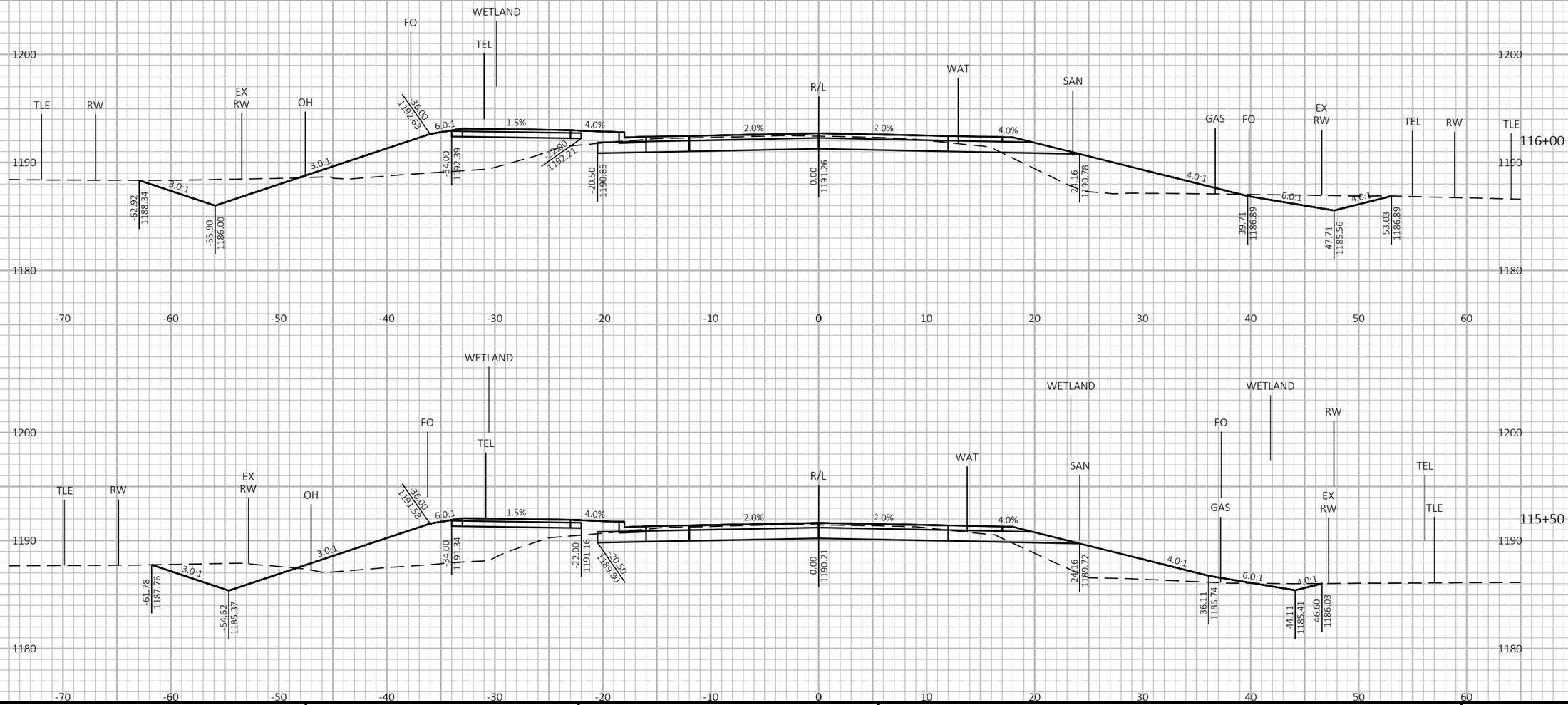
PLOT DATE : 8/24/2023 3:55 PM

PLOT BY : JESSICA SPLITTGERBER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

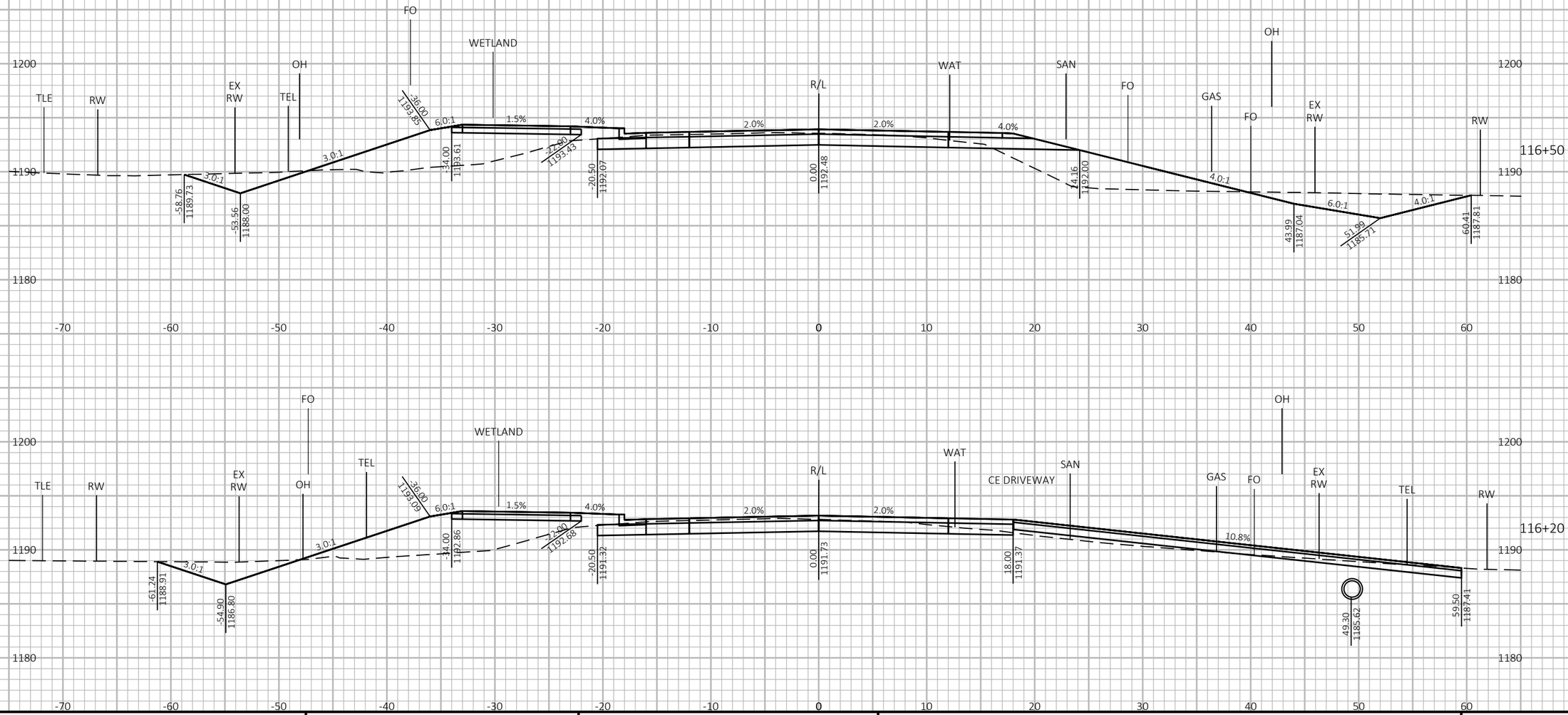
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 464	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 26

PLOT DATE : 8/24/2023 3:55 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

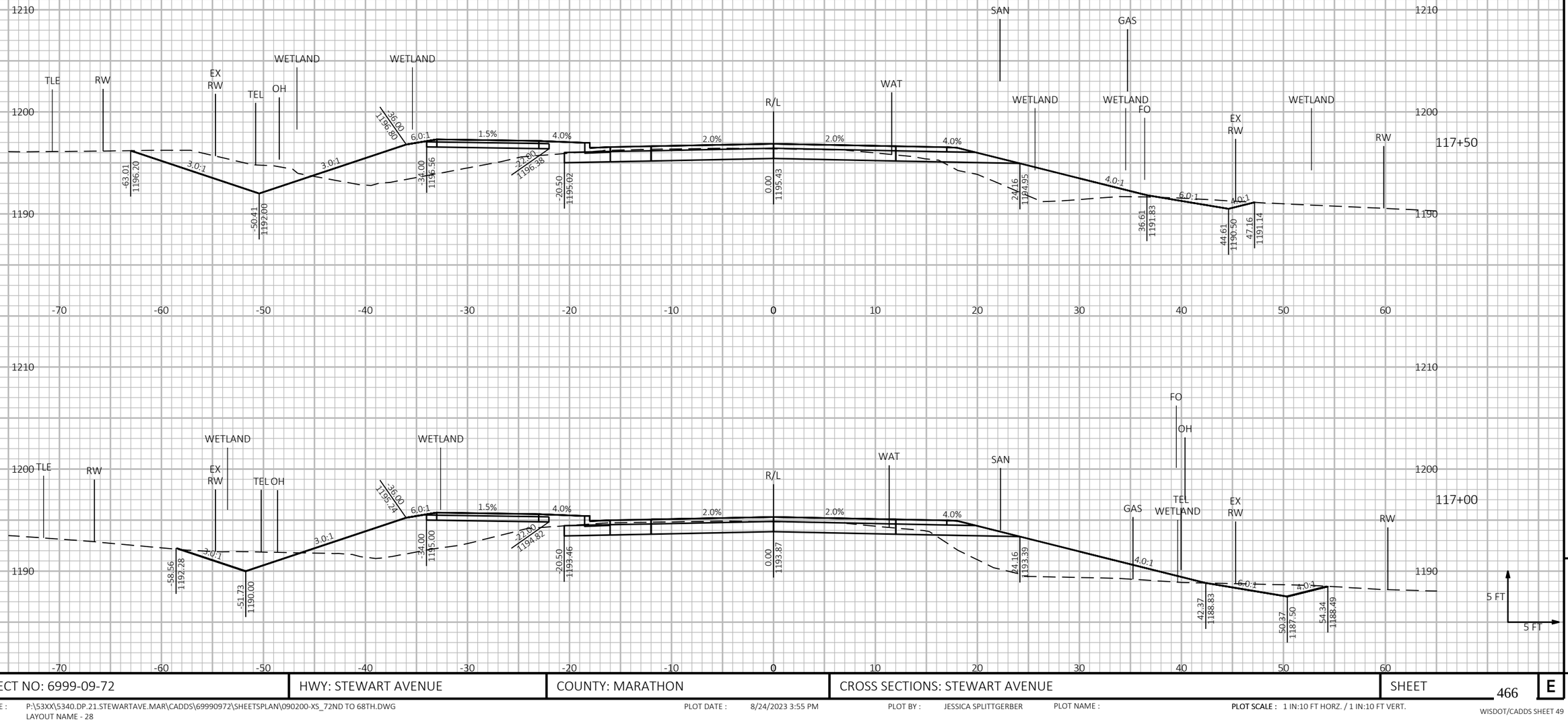
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 465	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 27

PLOT DATE : 8/24/2023 3:55 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

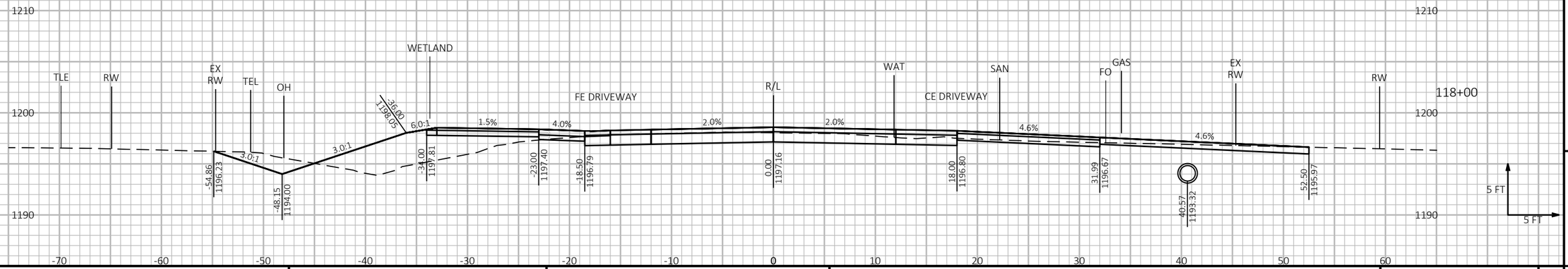
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 466	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 28

PLOT DATE : 8/24/2023 3:55 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

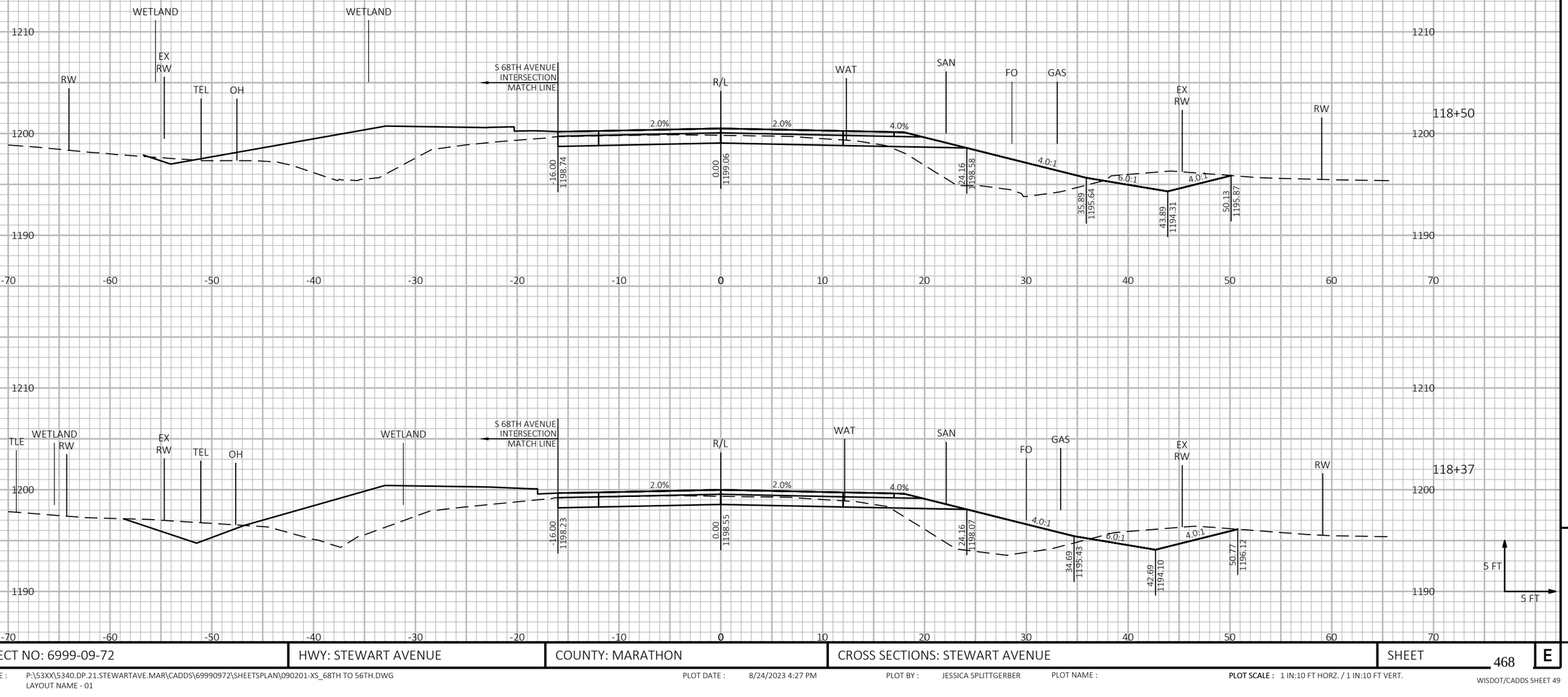


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 467	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090200-XS_72ND TO 68TH.DWG
LAYOUT NAME - 29

PLOT DATE : 8/24/2023 3:55 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

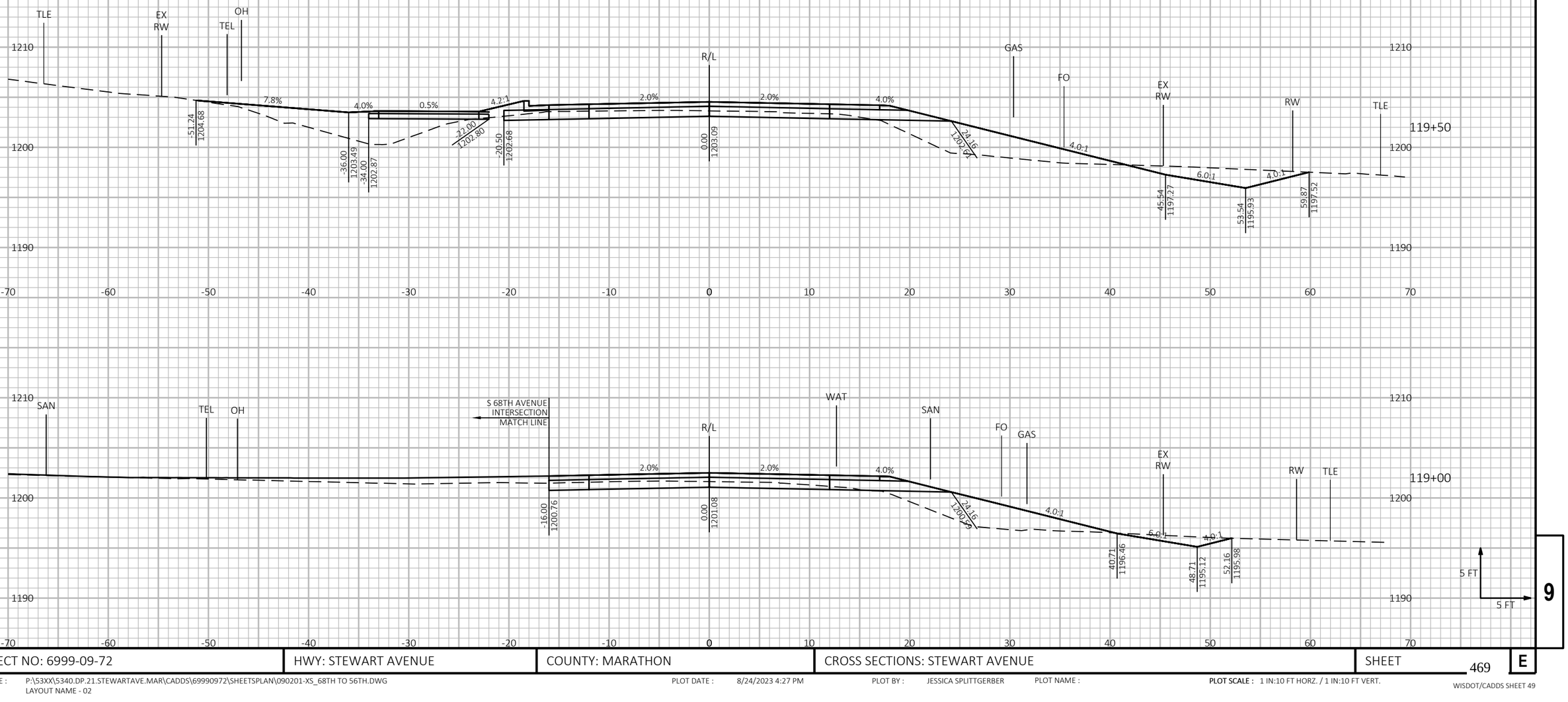


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 468	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 01

PLOT DATE : 8/24/2023 4:27 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

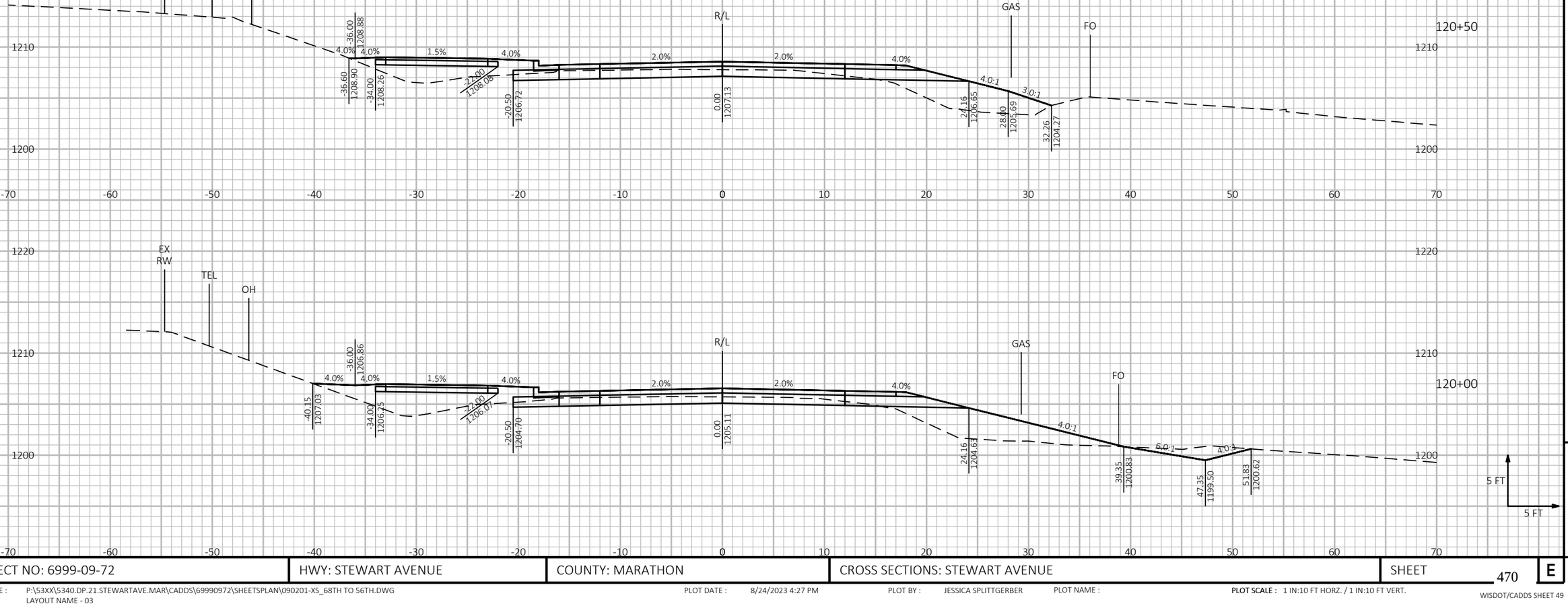


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 469	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 02

PLOT DATE : 8/24/2023 4:27 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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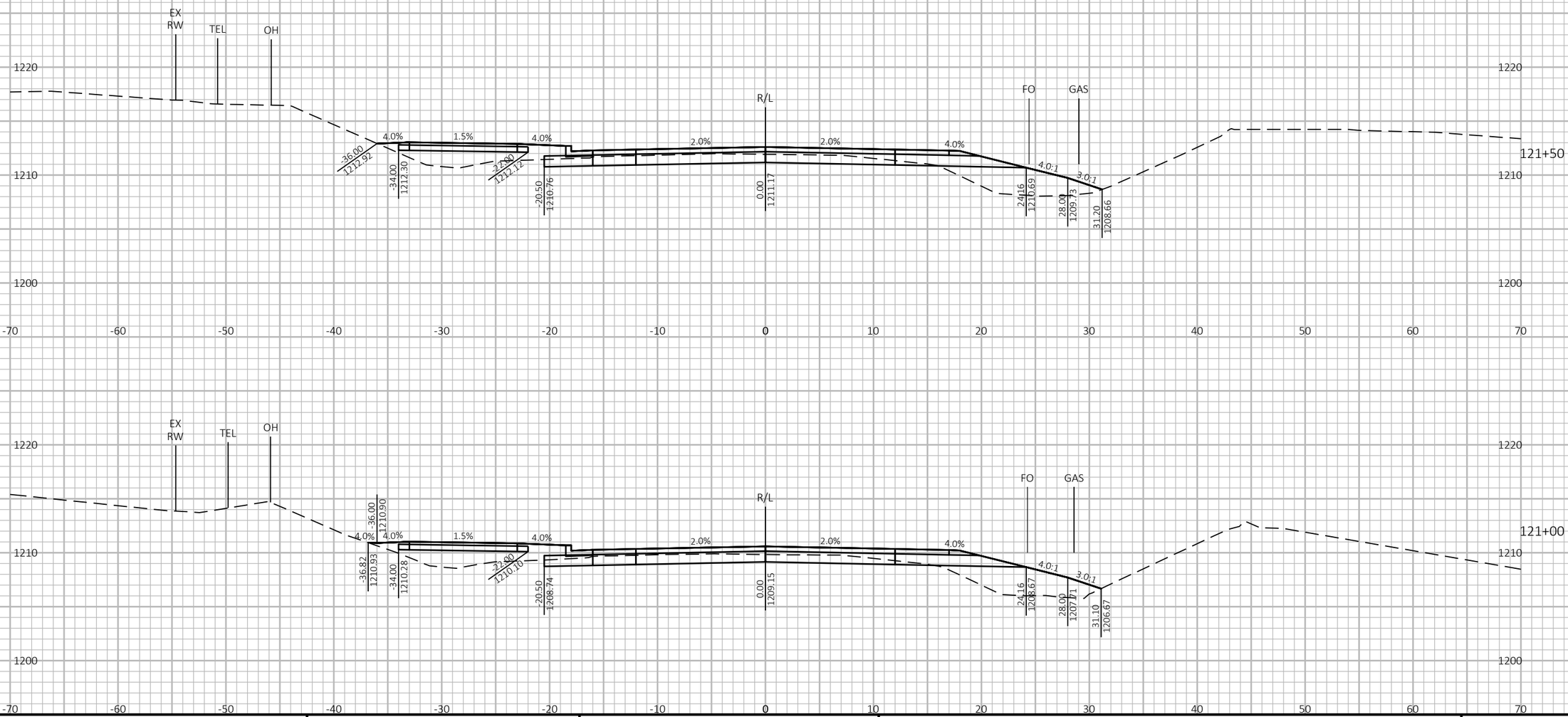
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 470	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 03

PLOT DATE : 8/24/2023 4:27 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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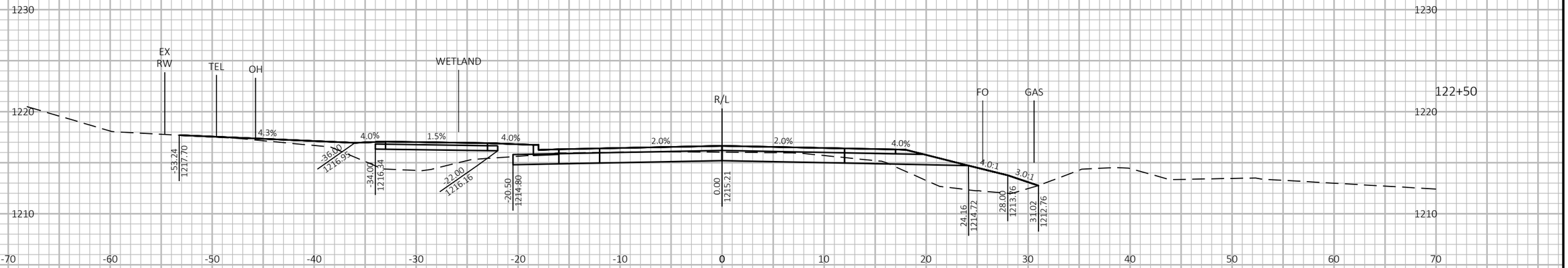
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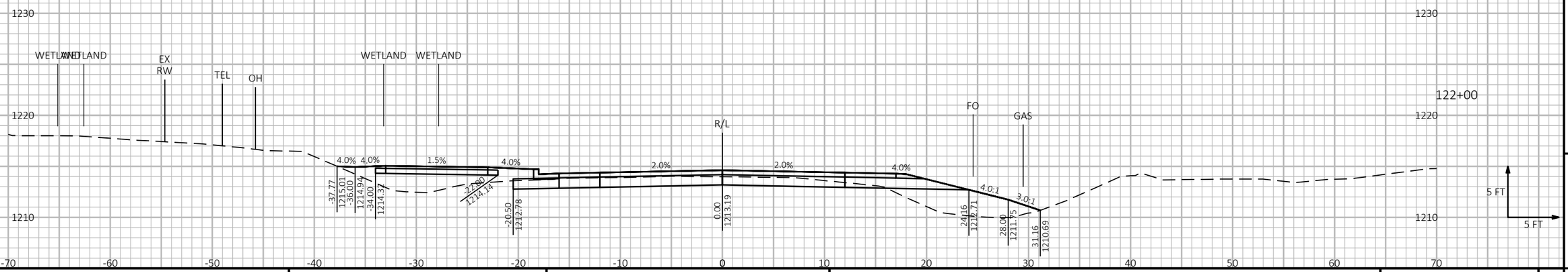
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 471	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 04

PLOT DATE : 8/24/2023 4:27 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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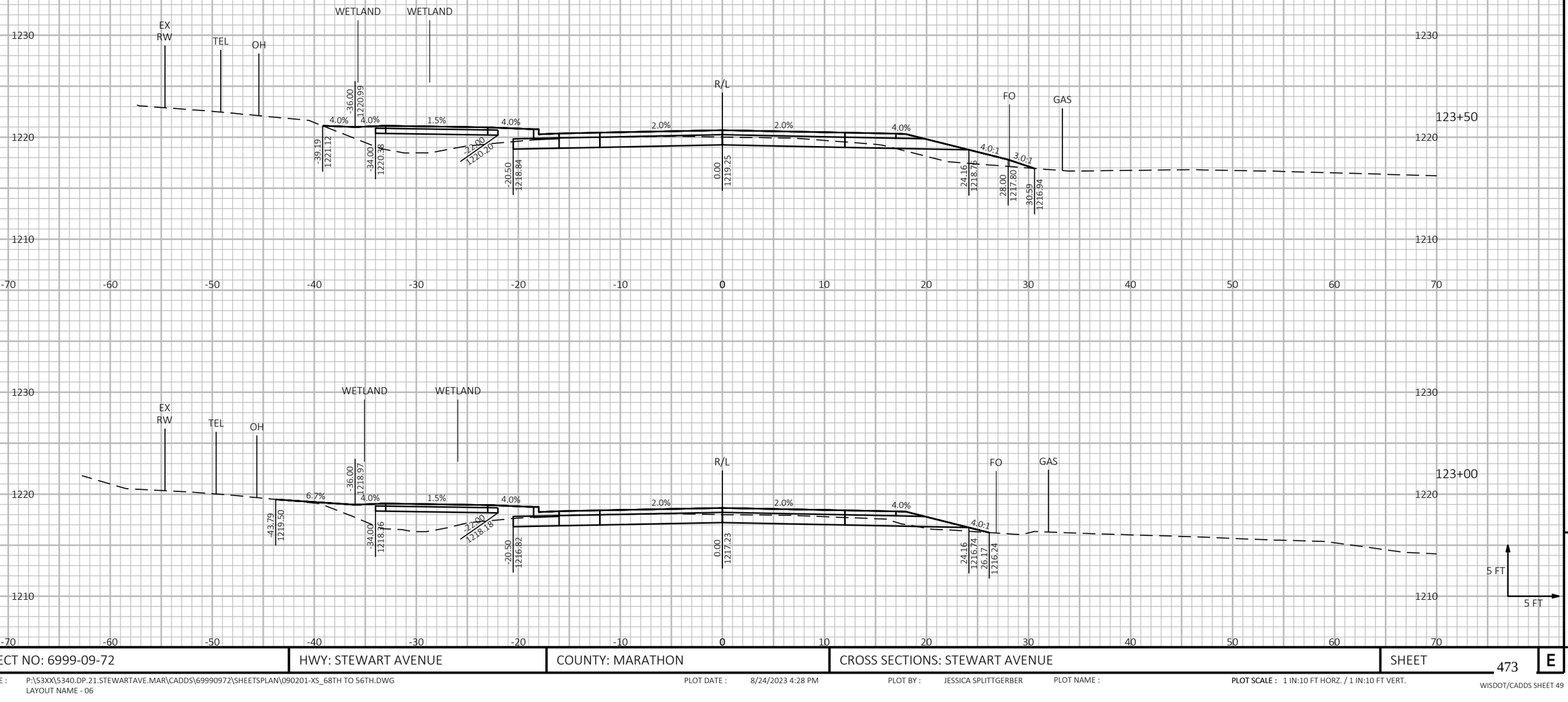
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 472	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 05

PLOT DATE : 8/24/2023 4:28 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



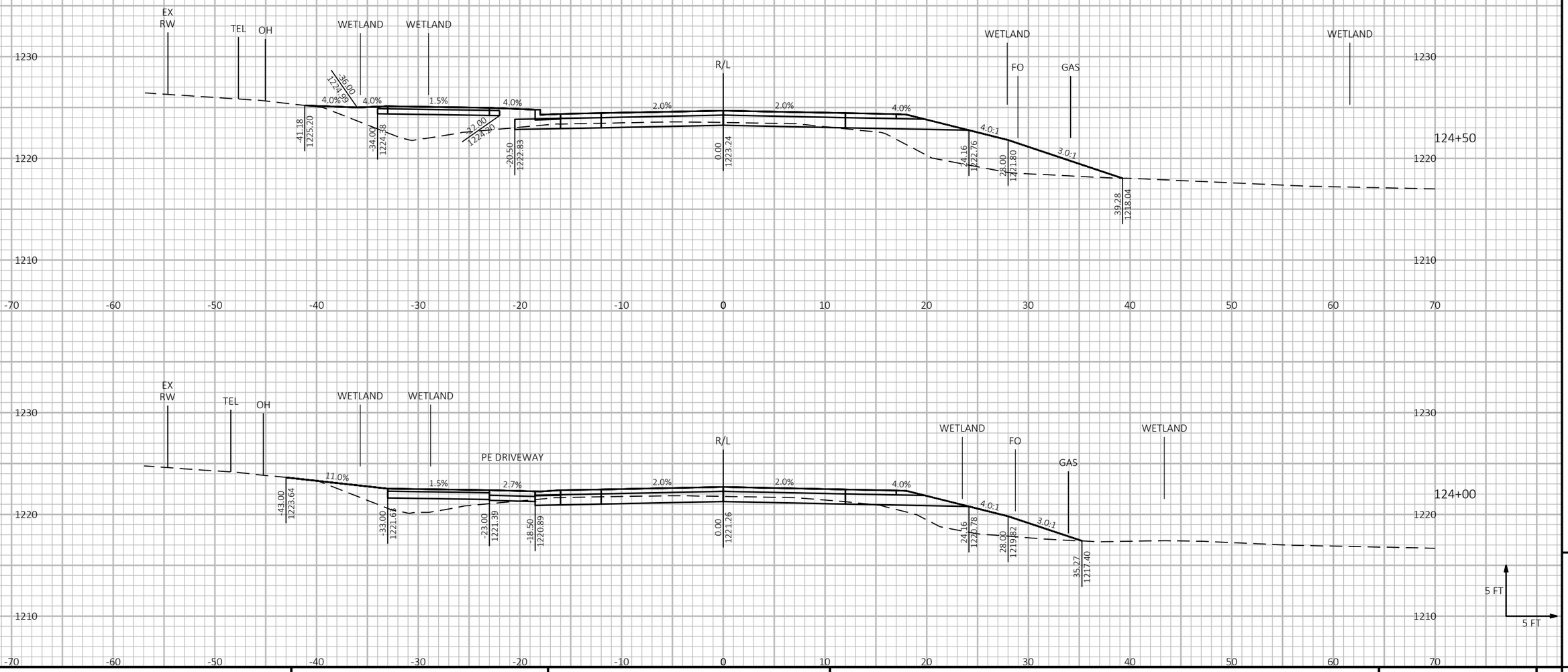
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 473	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 06

PLOT DATE : 8/24/2023 4:28 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

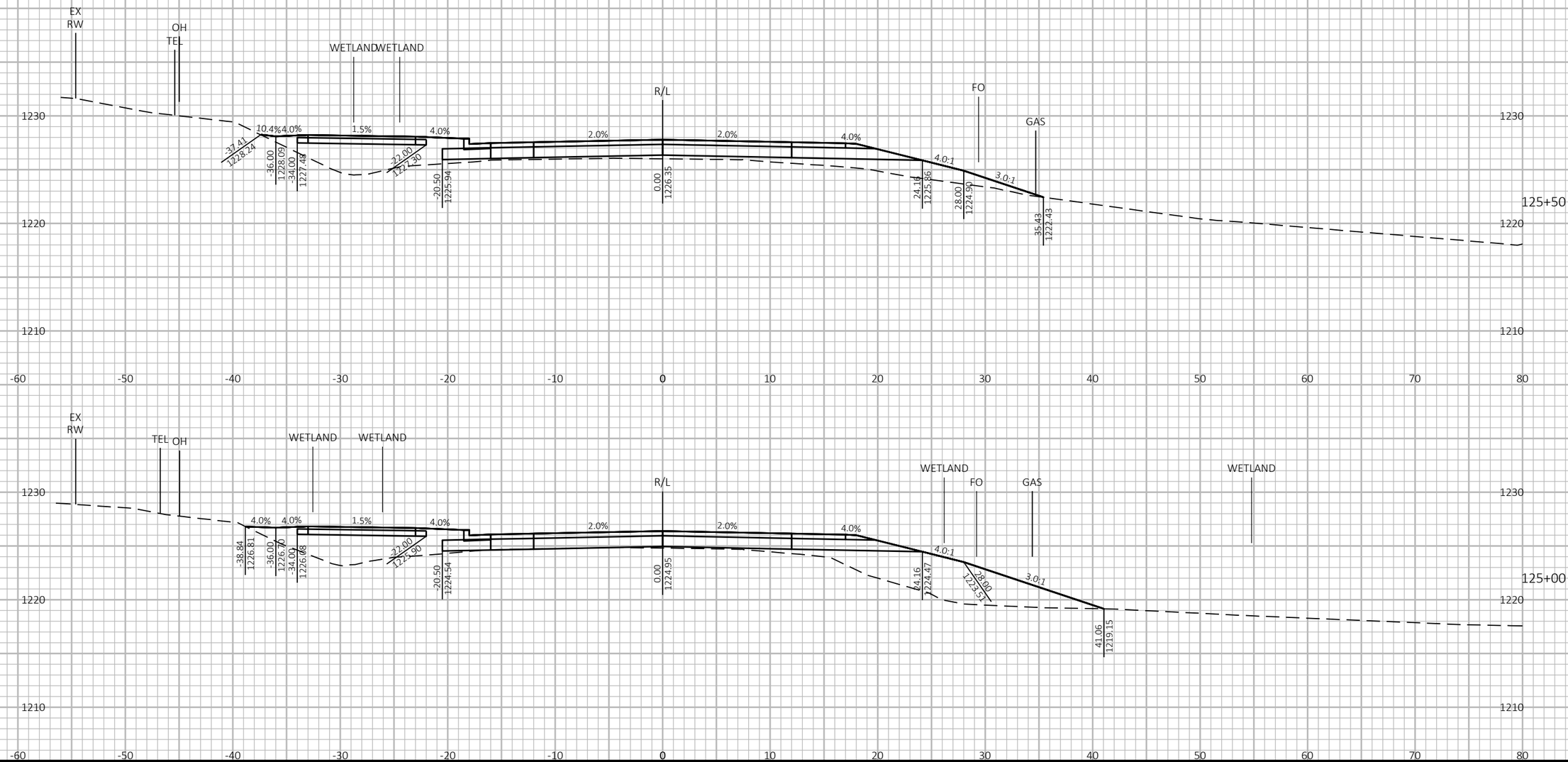


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 474	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 07

PLOT DATE : 8/24/2023 4:28 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

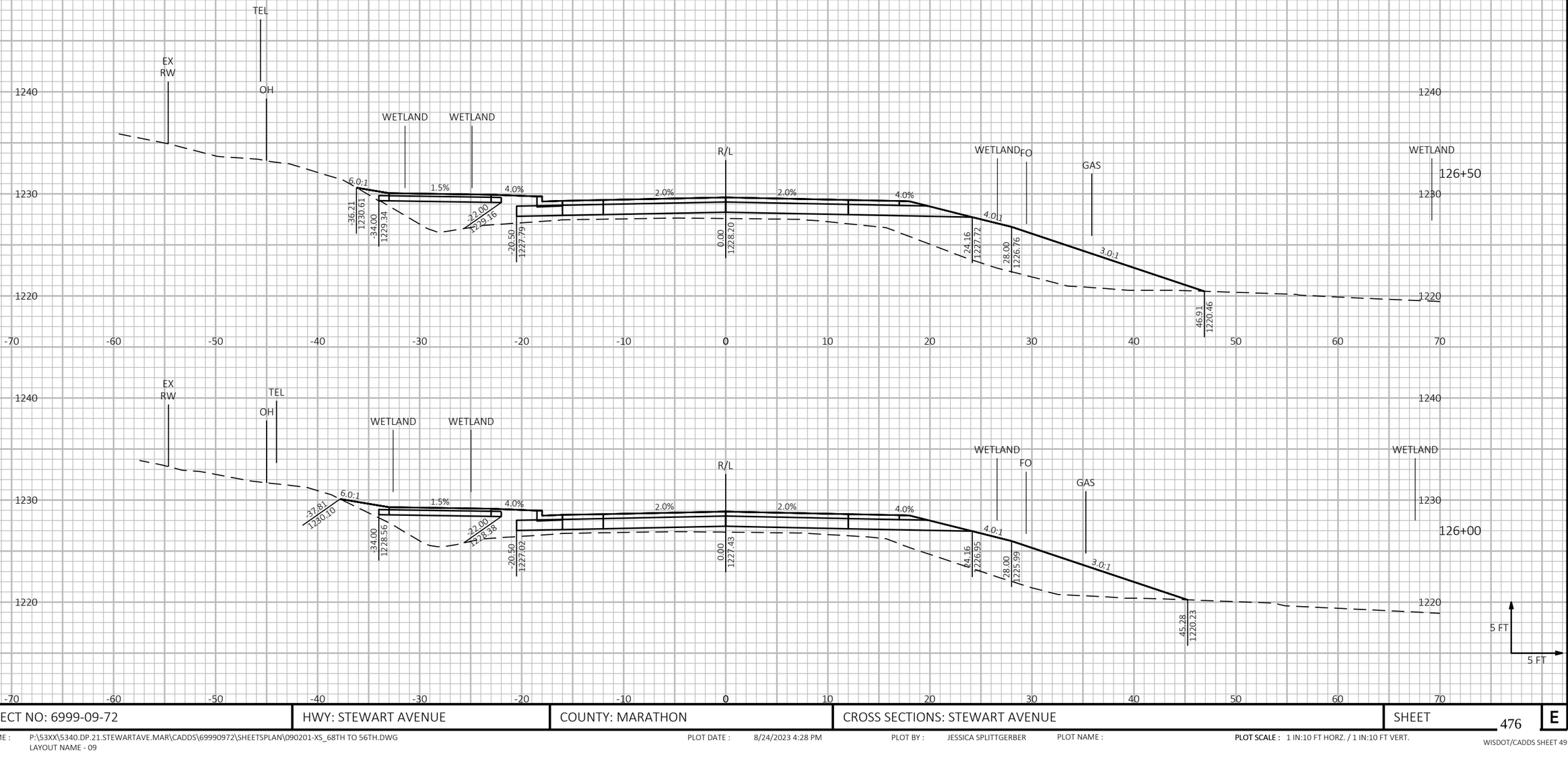


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 475	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 08

PLOT DATE : 8/24/2023 4:28 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



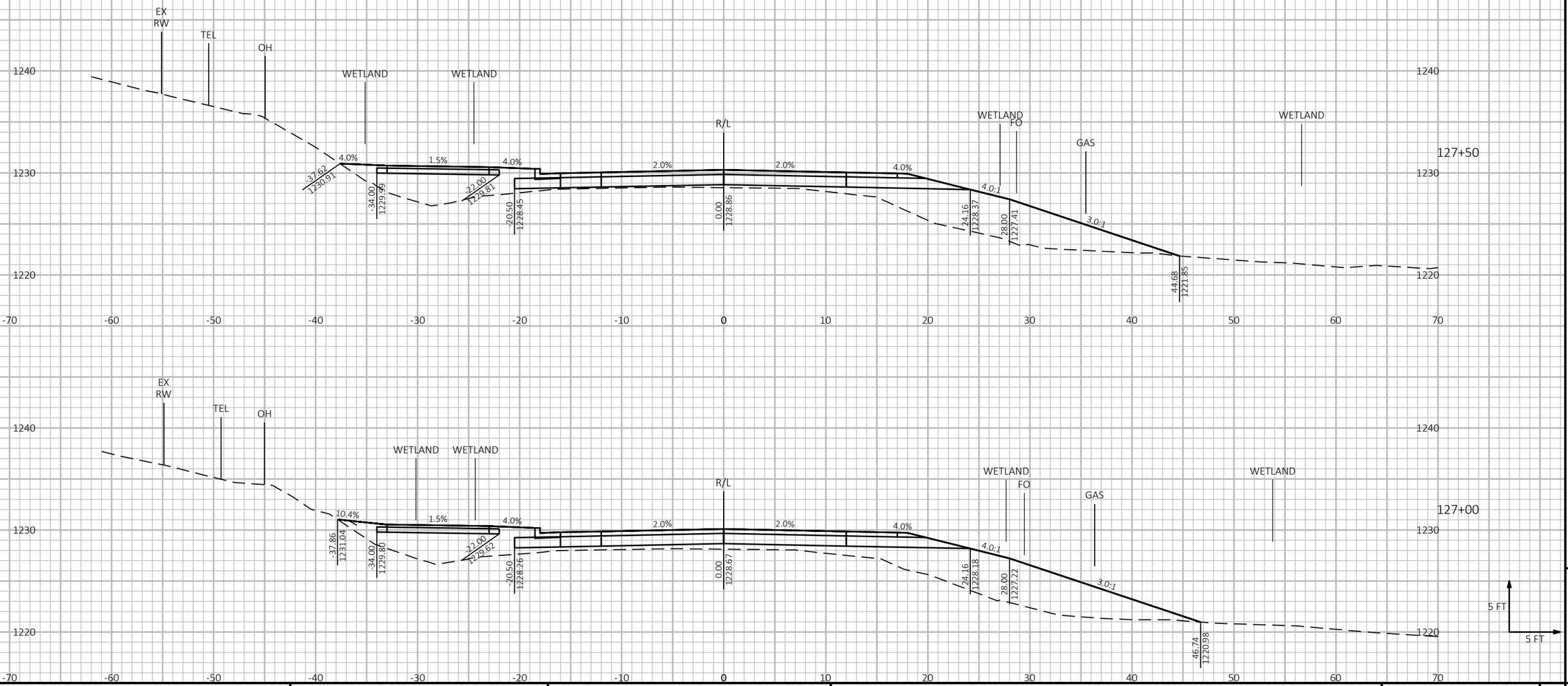
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 476	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 09

PLOT DATE : 8/24/2023 4:28 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 477	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 10

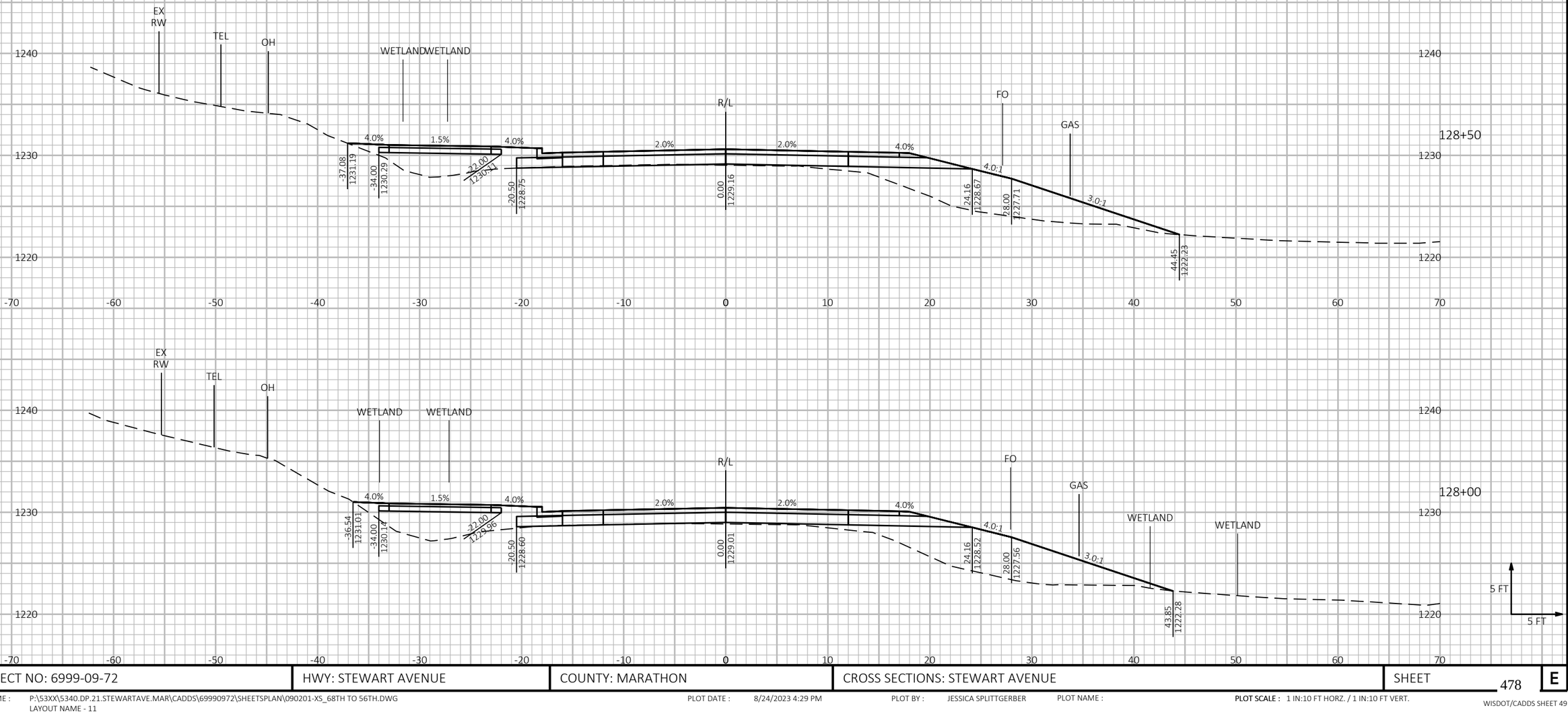
PLOT DATE : 8/24/2023 4:28 PM

PLOT BY : JESSICA SPLITTGERBER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

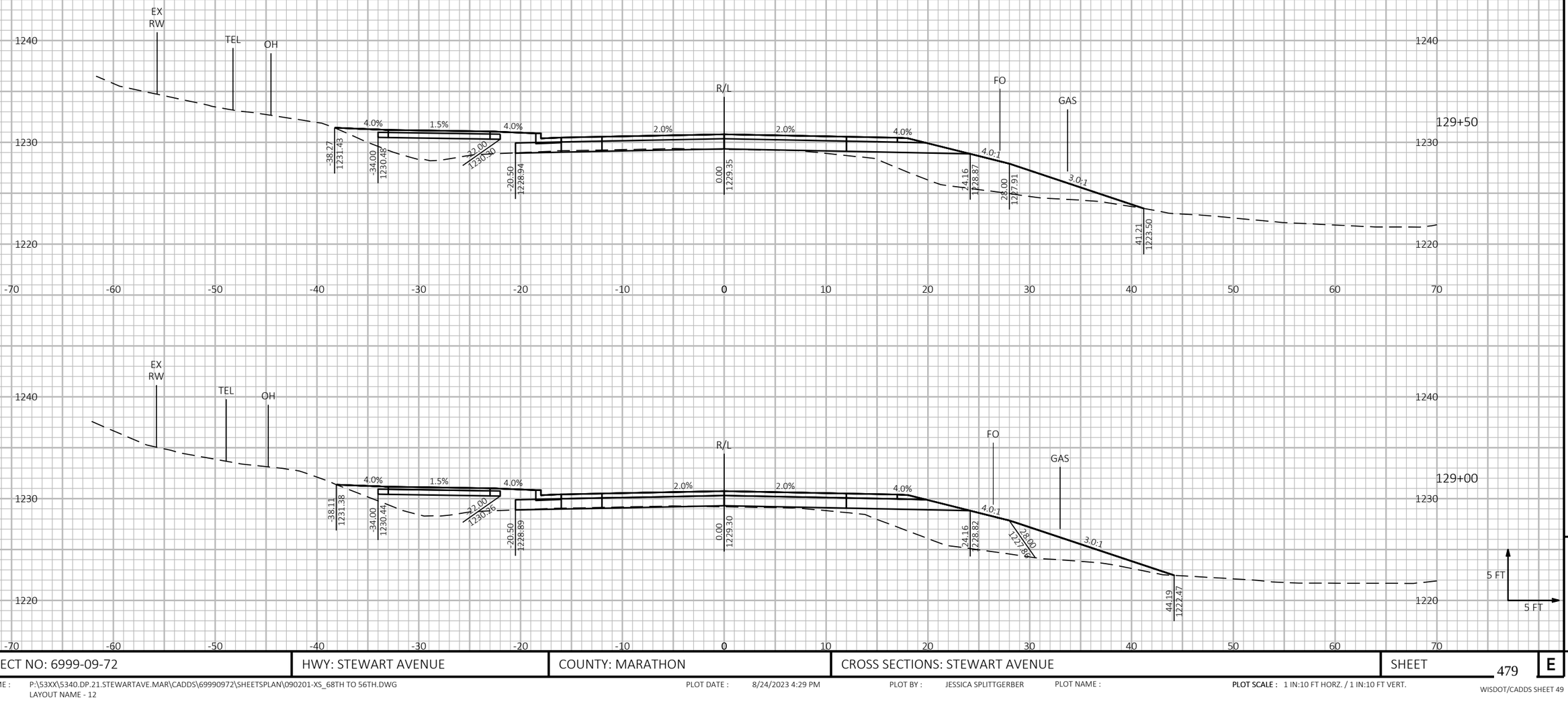
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 478	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 11

PLOT DATE : 8/24/2023 4:29 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

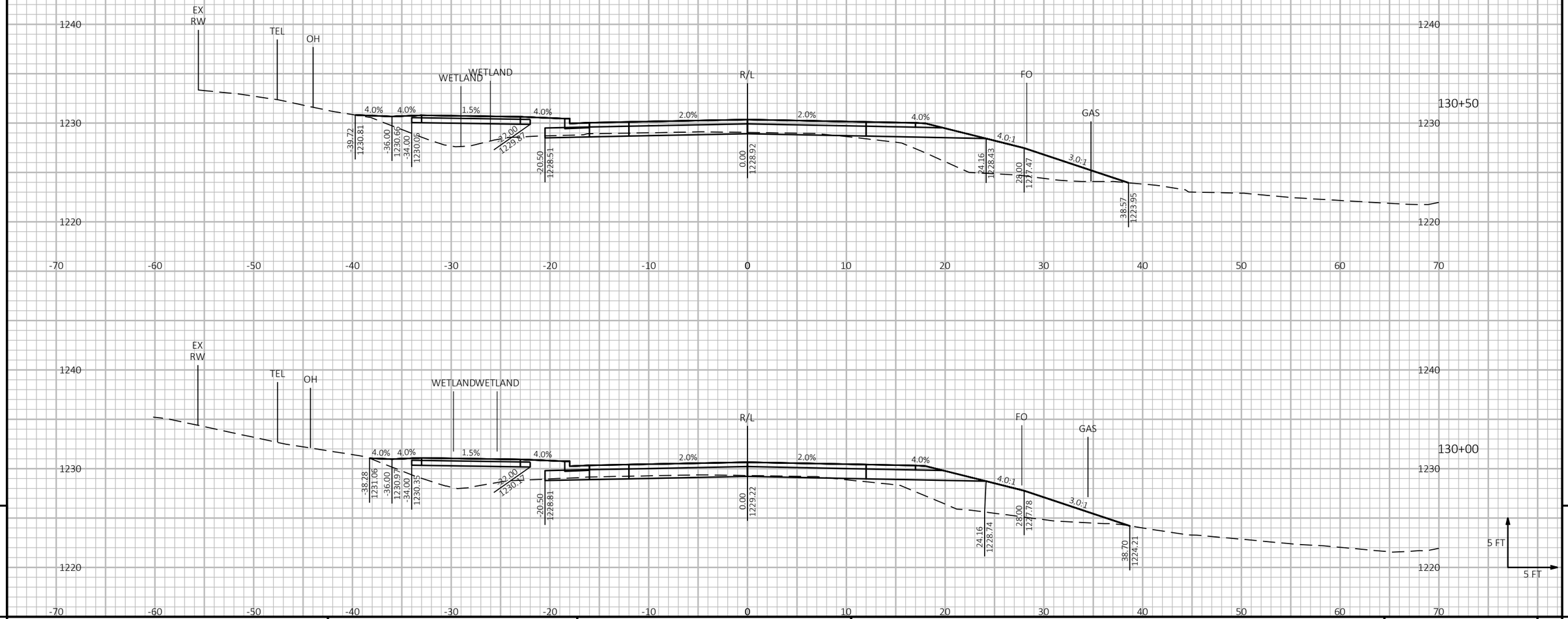


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 479	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 12

PLOT DATE : 8/24/2023 4:29 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



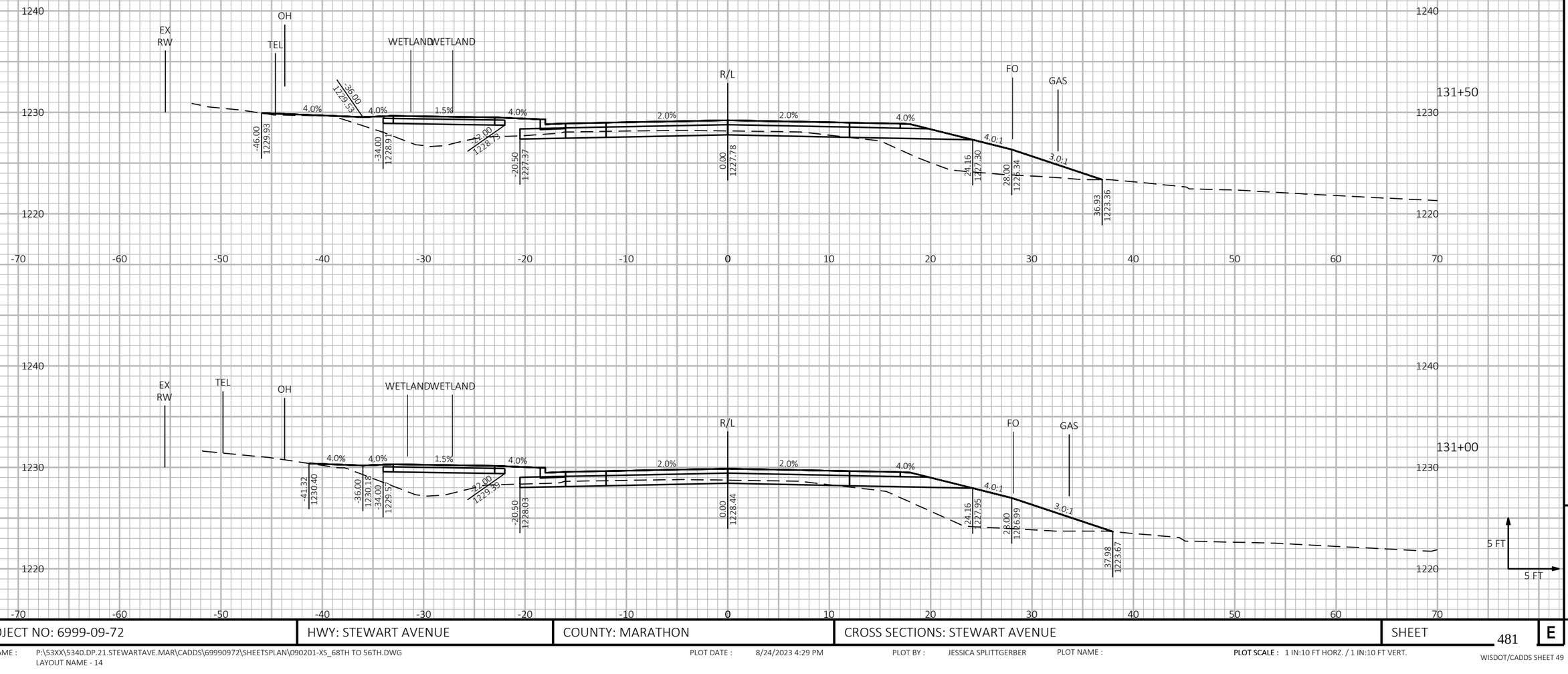
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 480	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 13

PLOT DATE : 8/24/2023 4:29 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

9

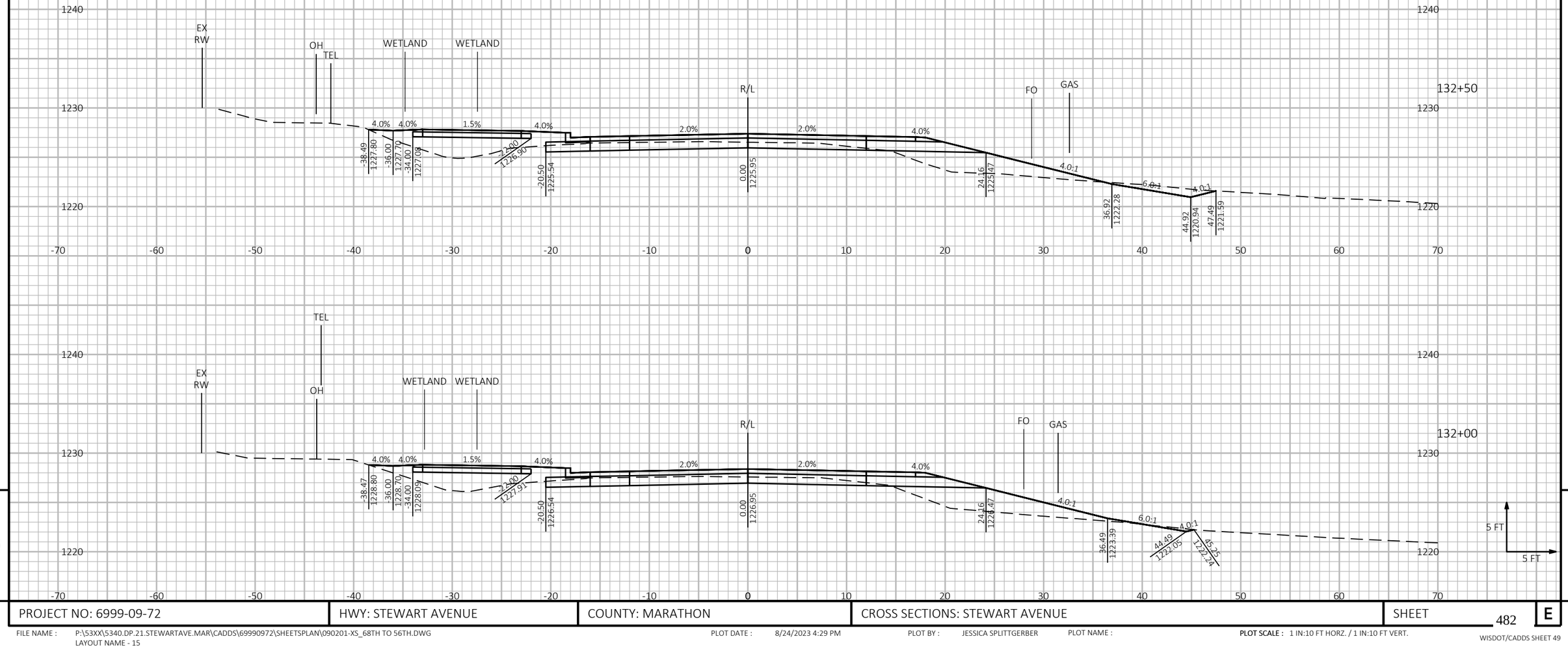
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 481	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 14

PLOT DATE : 8/24/2023 4:29 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

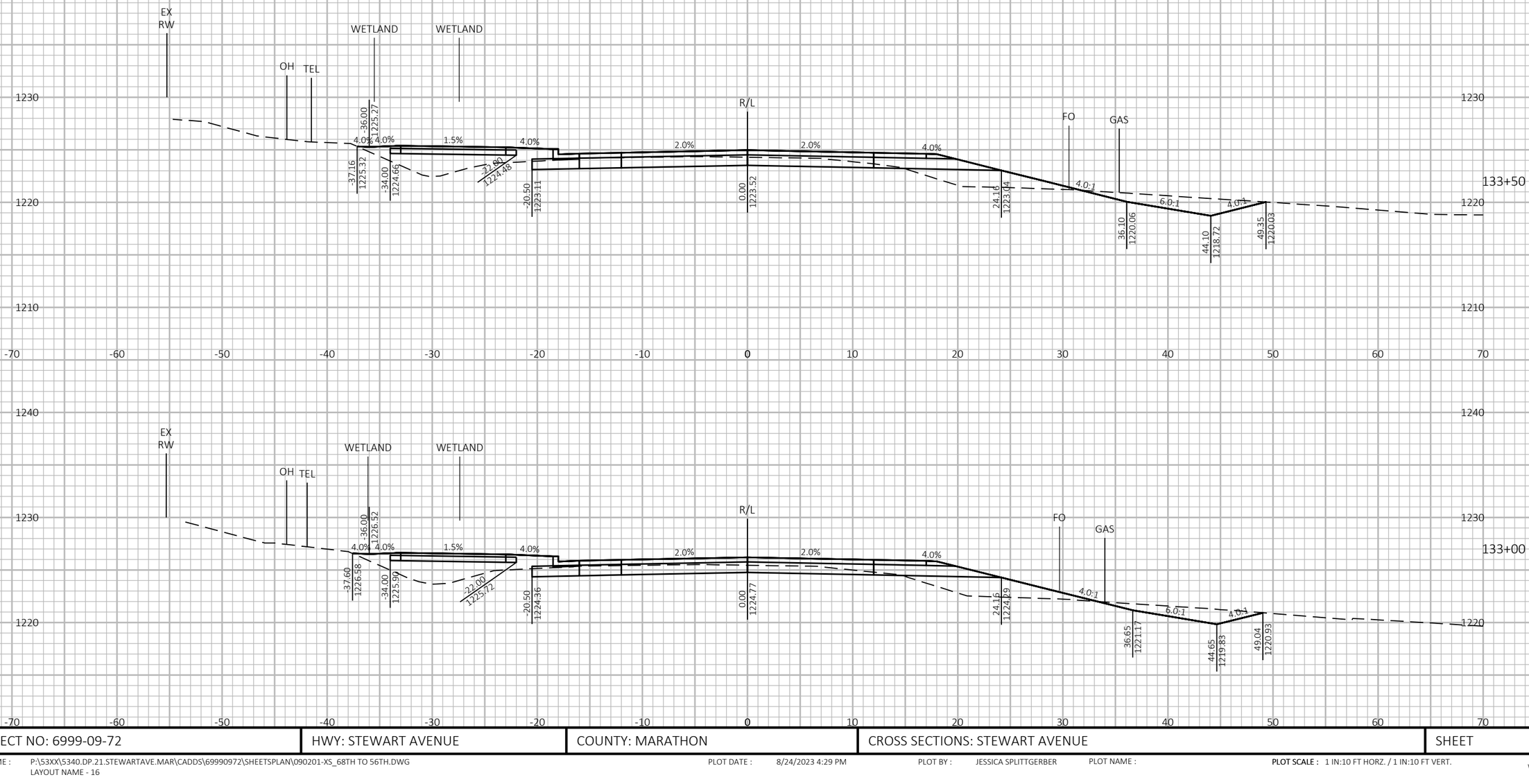
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 482	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 15

PLOT DATE : 8/24/2023 4:29 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

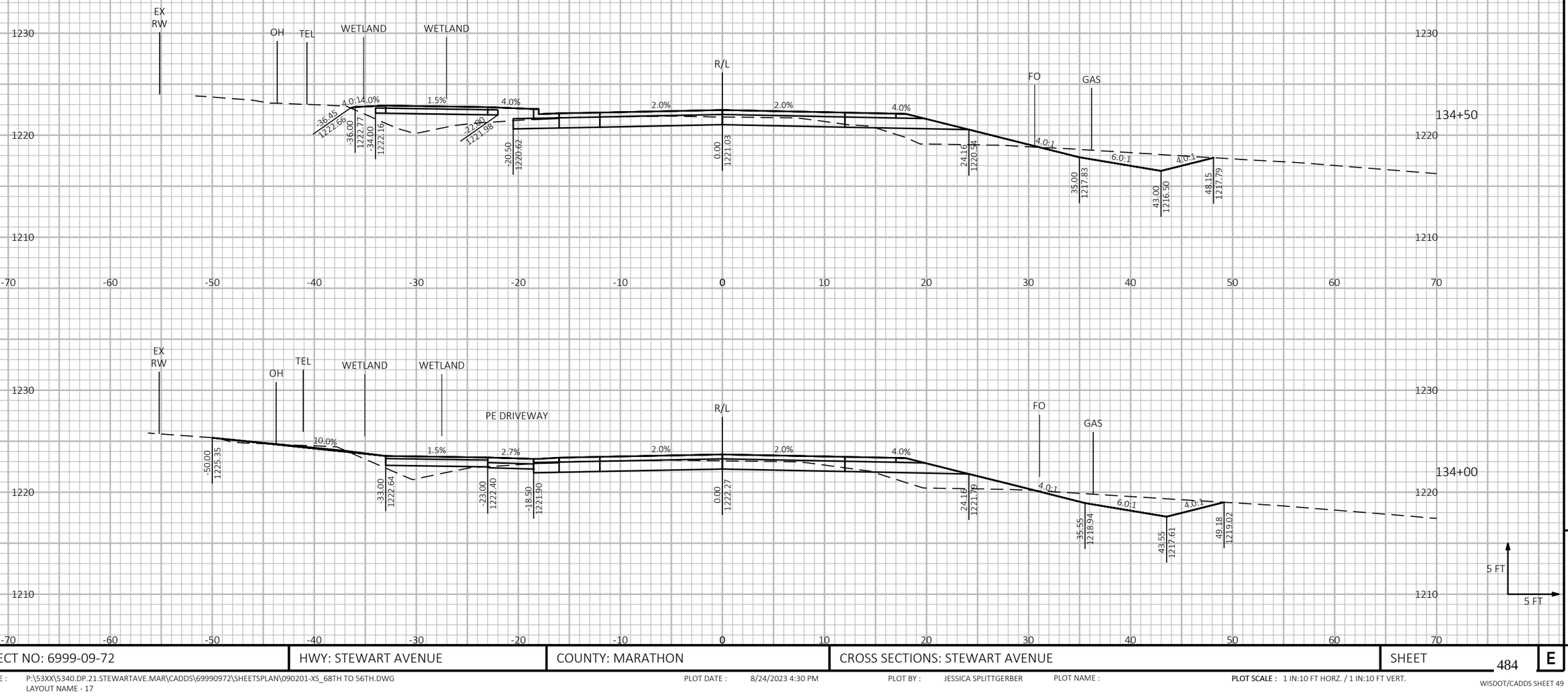
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 483	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 16

PLOT DATE : 8/24/2023 4:29 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

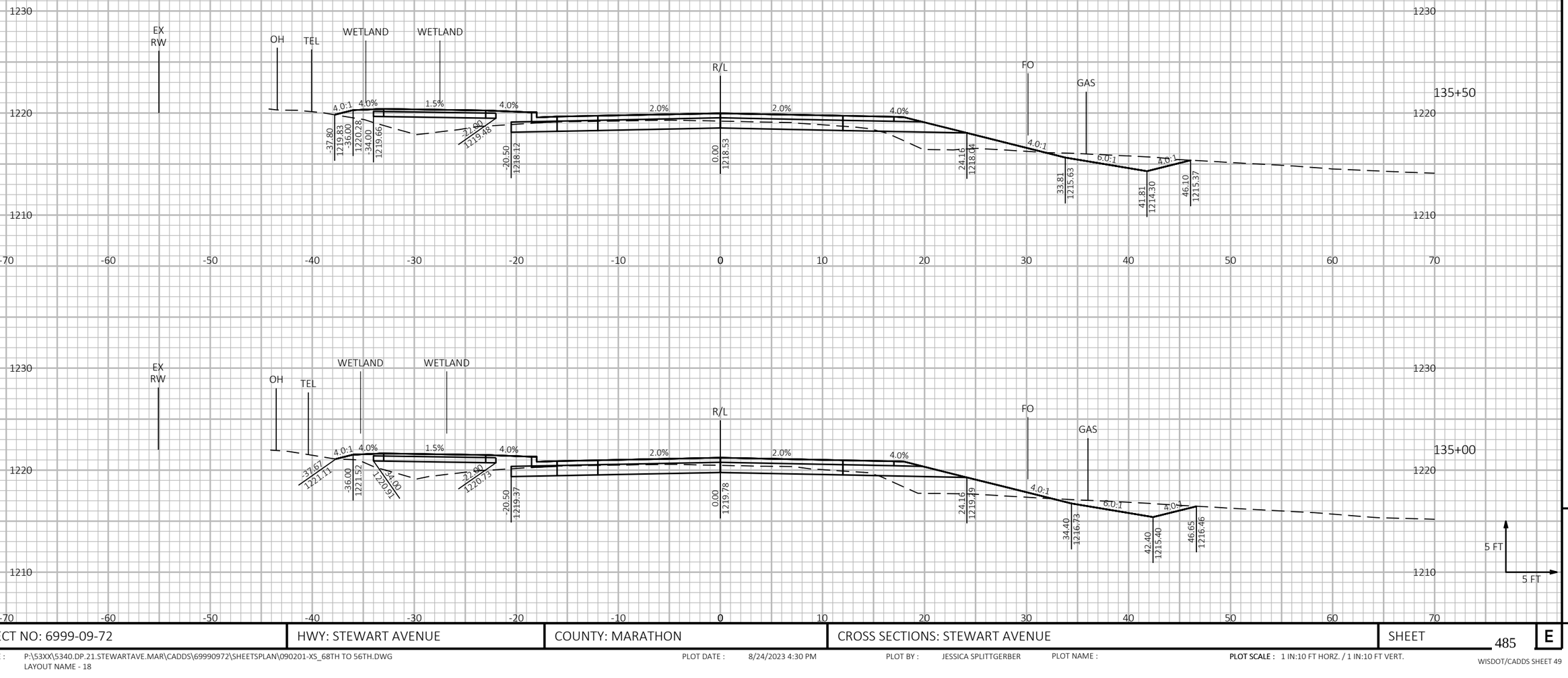
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 484	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 17

PLOT DATE : 8/24/2023 4:30 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

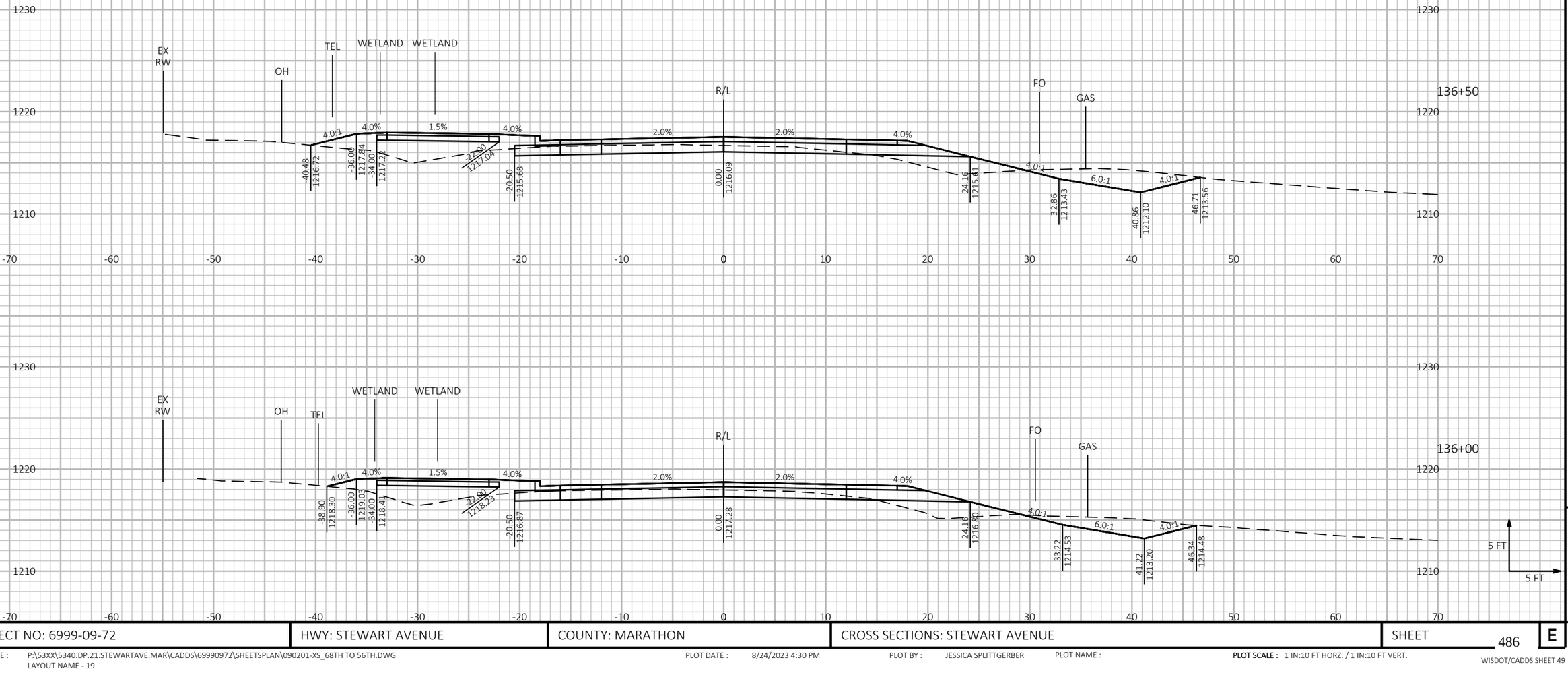


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 485 E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 18

PLOT DATE : 8/24/2023 4:30 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

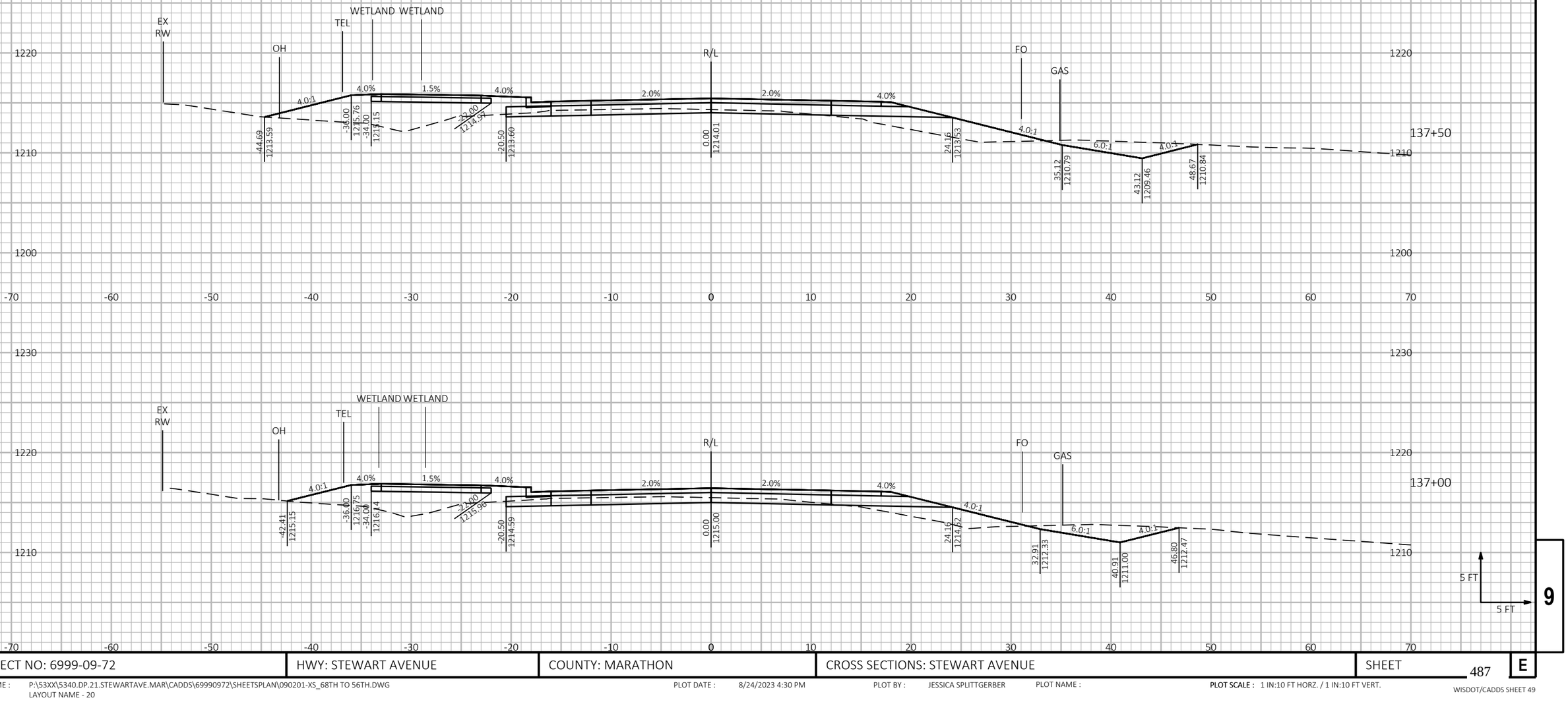
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 486	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 19

PLOT DATE : 8/24/2023 4:30 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

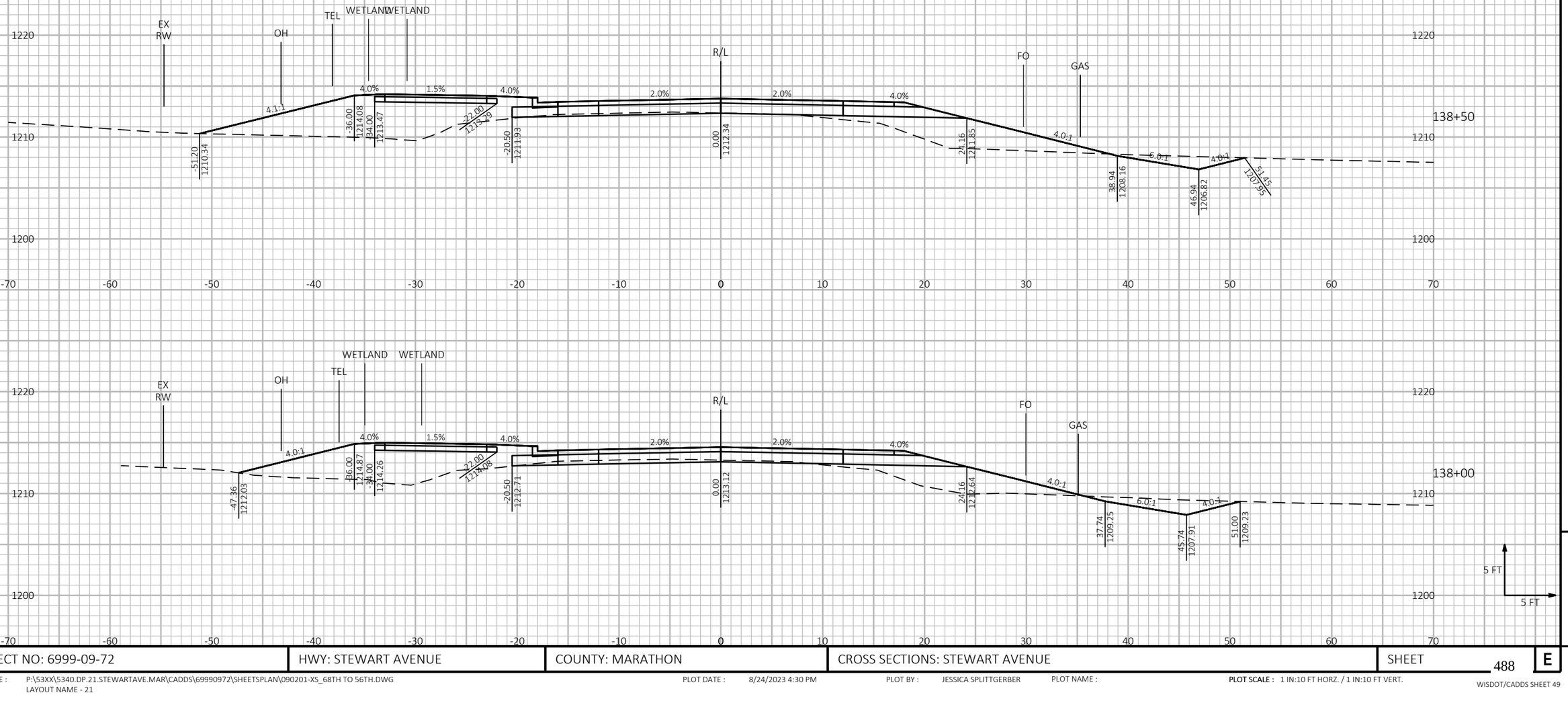


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 487	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 20

PLOT DATE : 8/24/2023 4:30 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

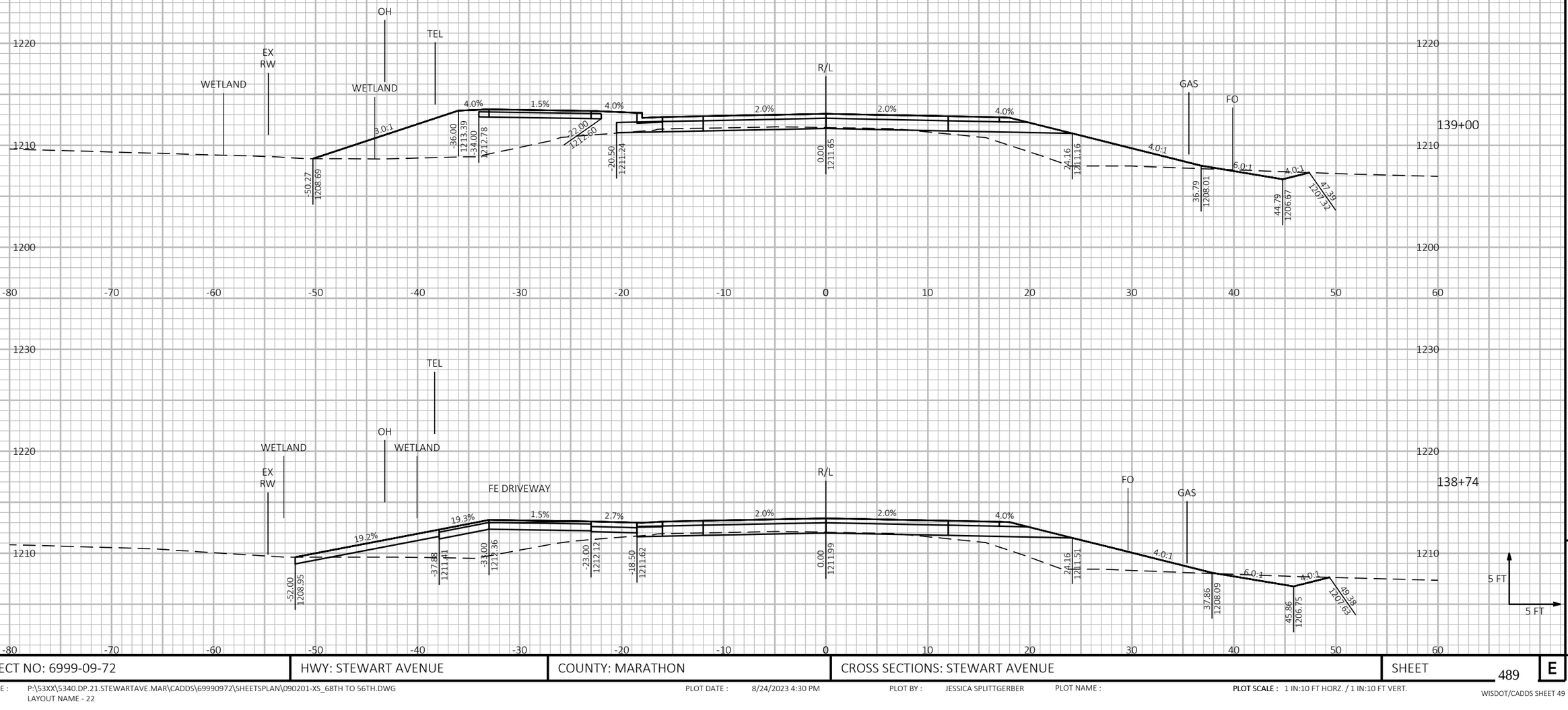
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 488	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 21

PLOT DATE : 8/24/2023 4:30 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

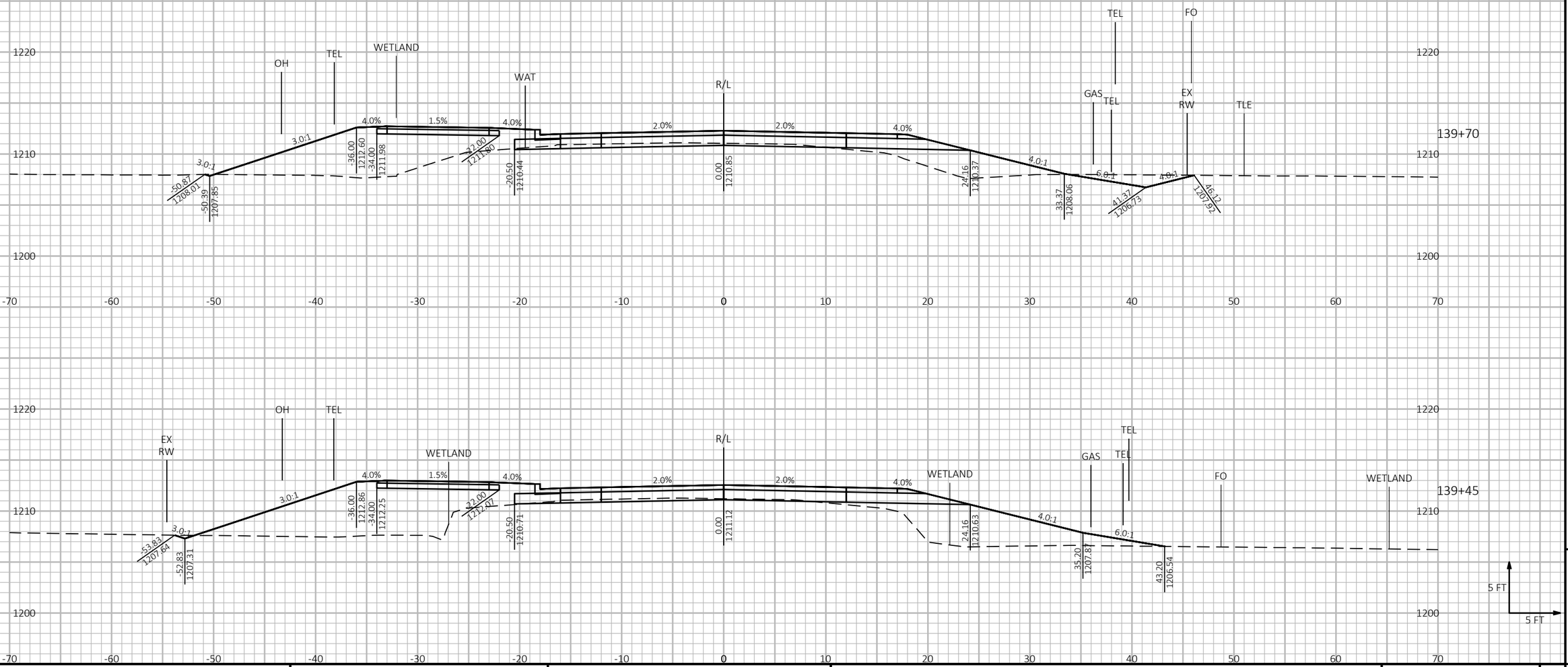


9 9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 489	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 22

PLOT DATE : 8/24/2023 4:30 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

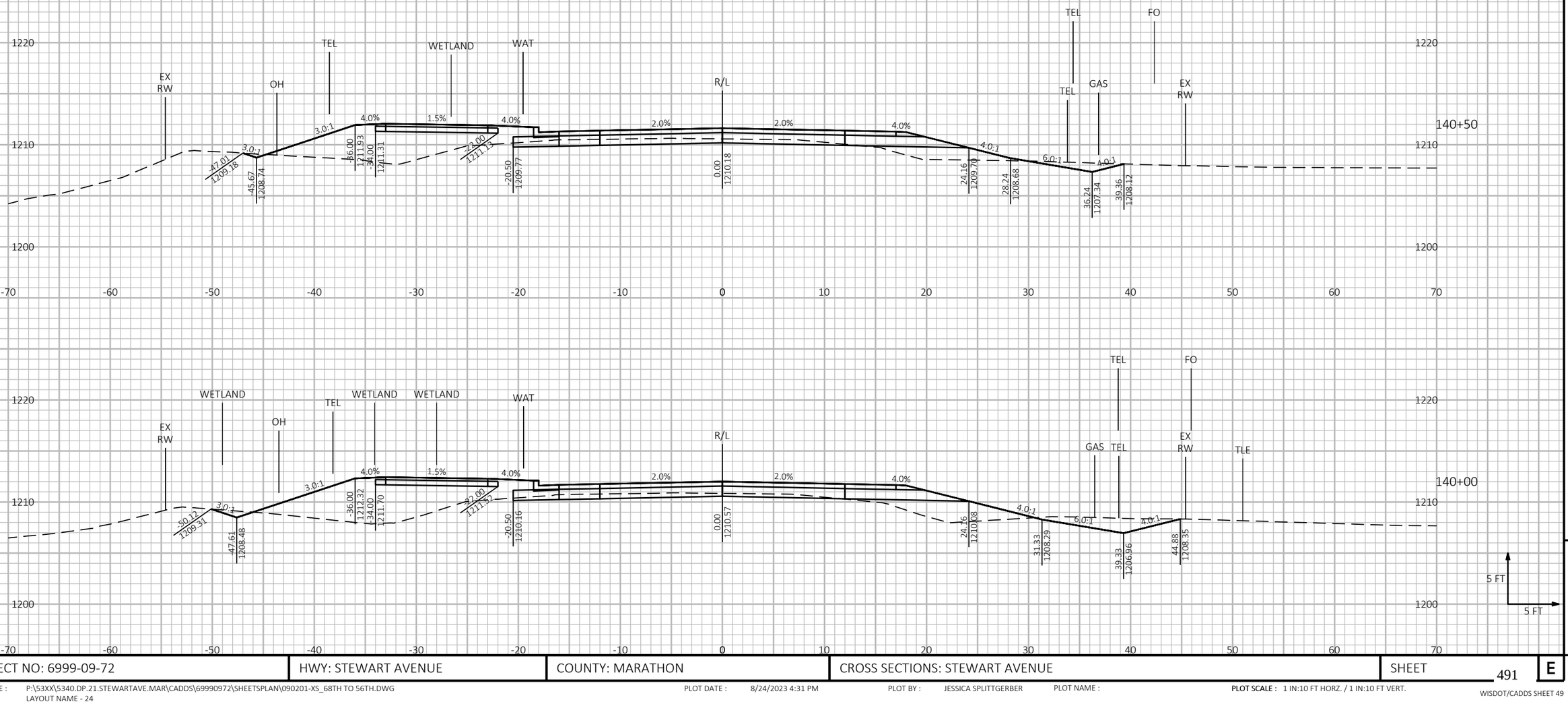


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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 490	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 23

PLOT DATE : 8/24/2023 4:31 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

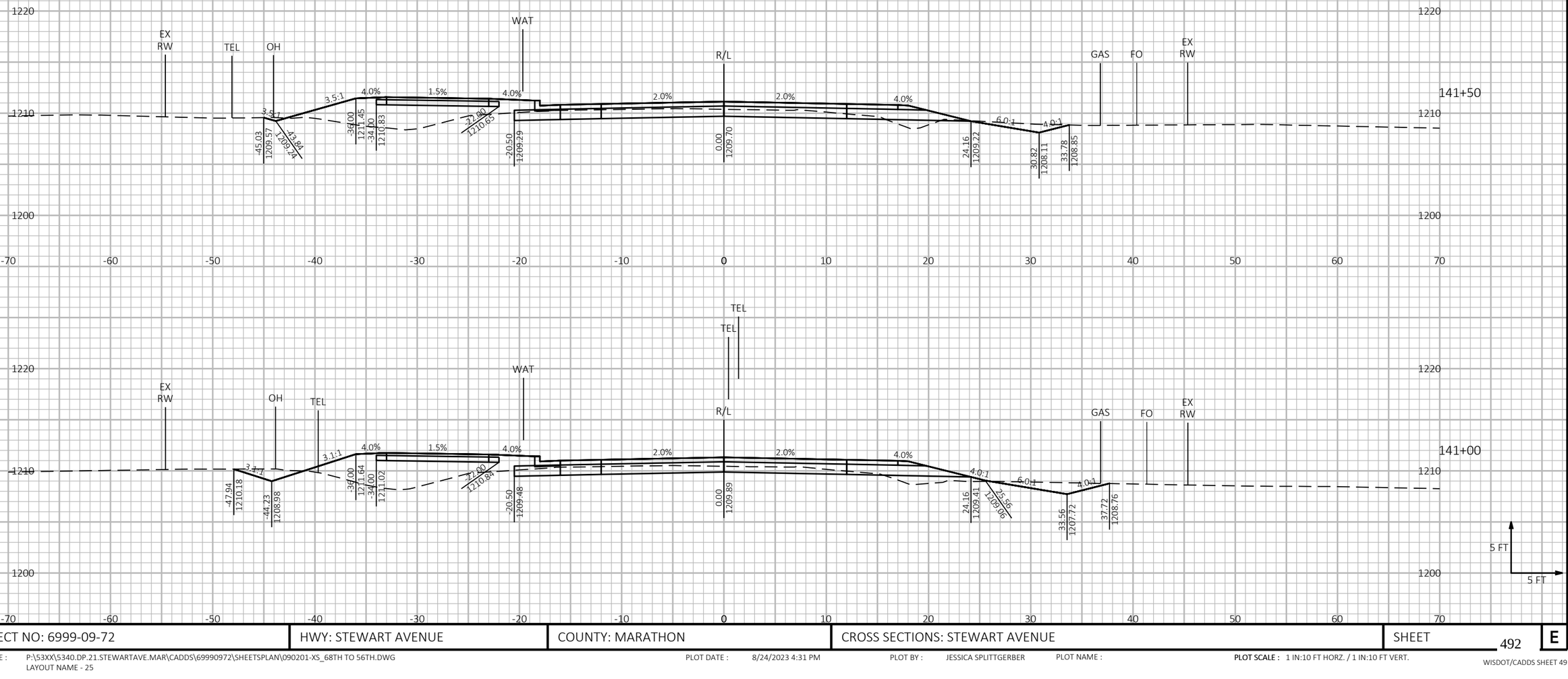


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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 491	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 24

PLOT DATE : 8/24/2023 4:31 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



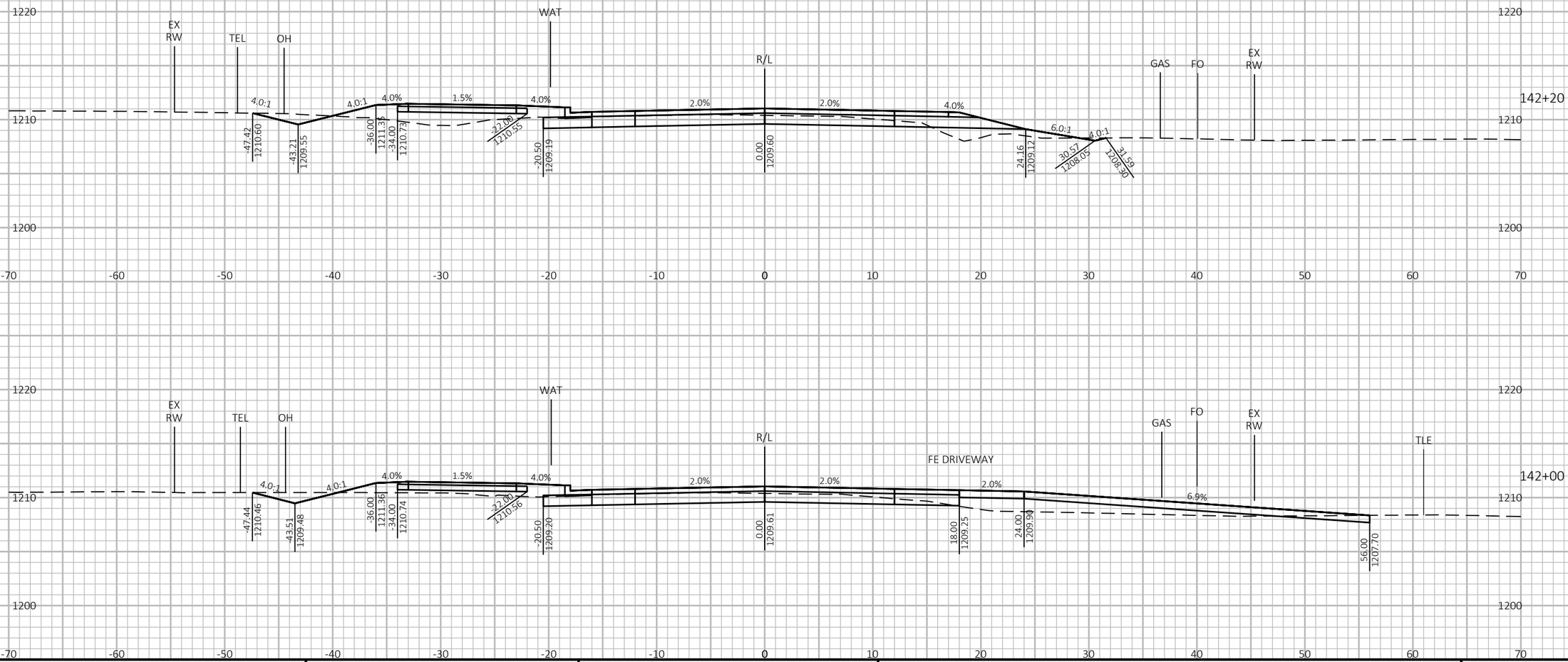
9 9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 492	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 25

PLOT DATE : 8/24/2023 4:31 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

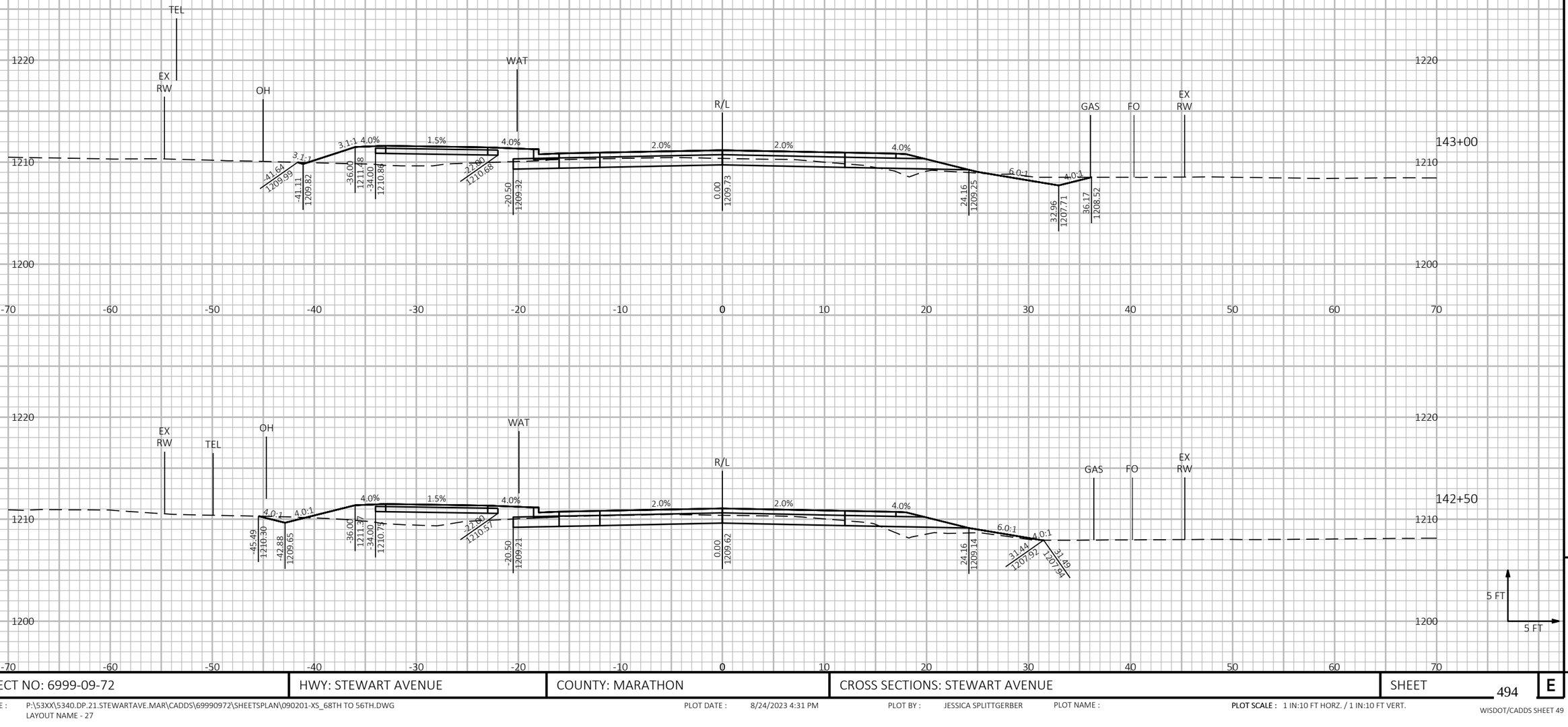


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 493	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 26

PLOT DATE : 8/24/2023 4:31 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

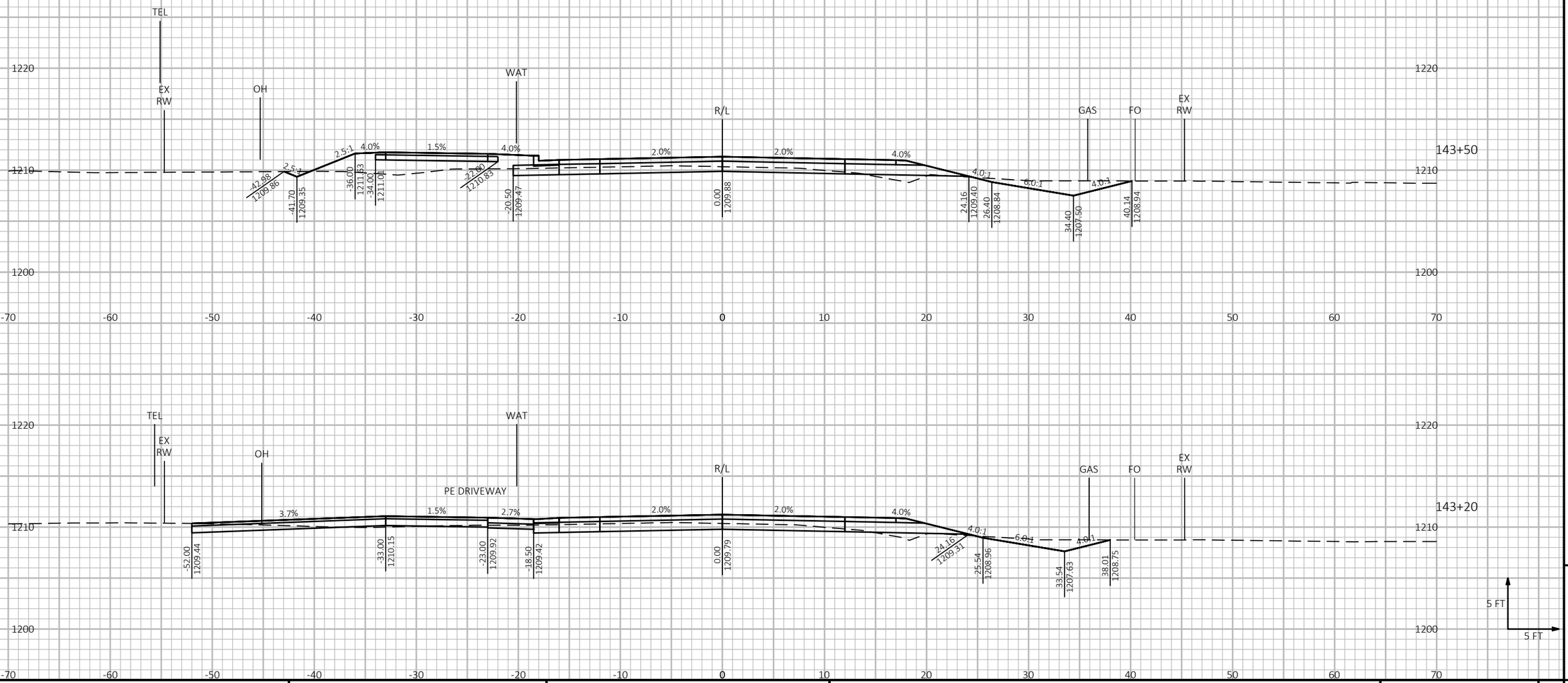
WISDOT/CADDS SHEET 49



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 494 E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 27

PLOT DATE : 8/24/2023 4:31 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

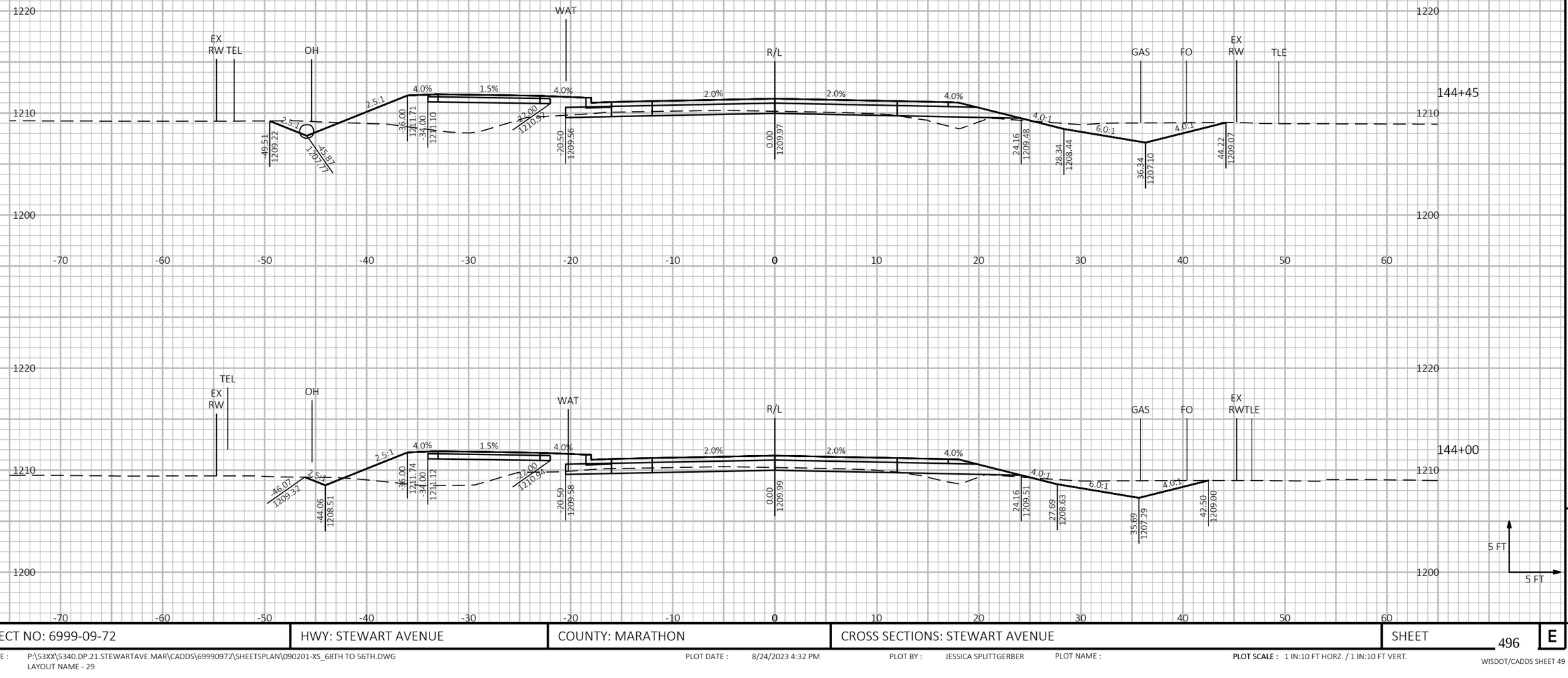


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 495	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 28

PLOT DATE : 8/24/2023 4:31 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



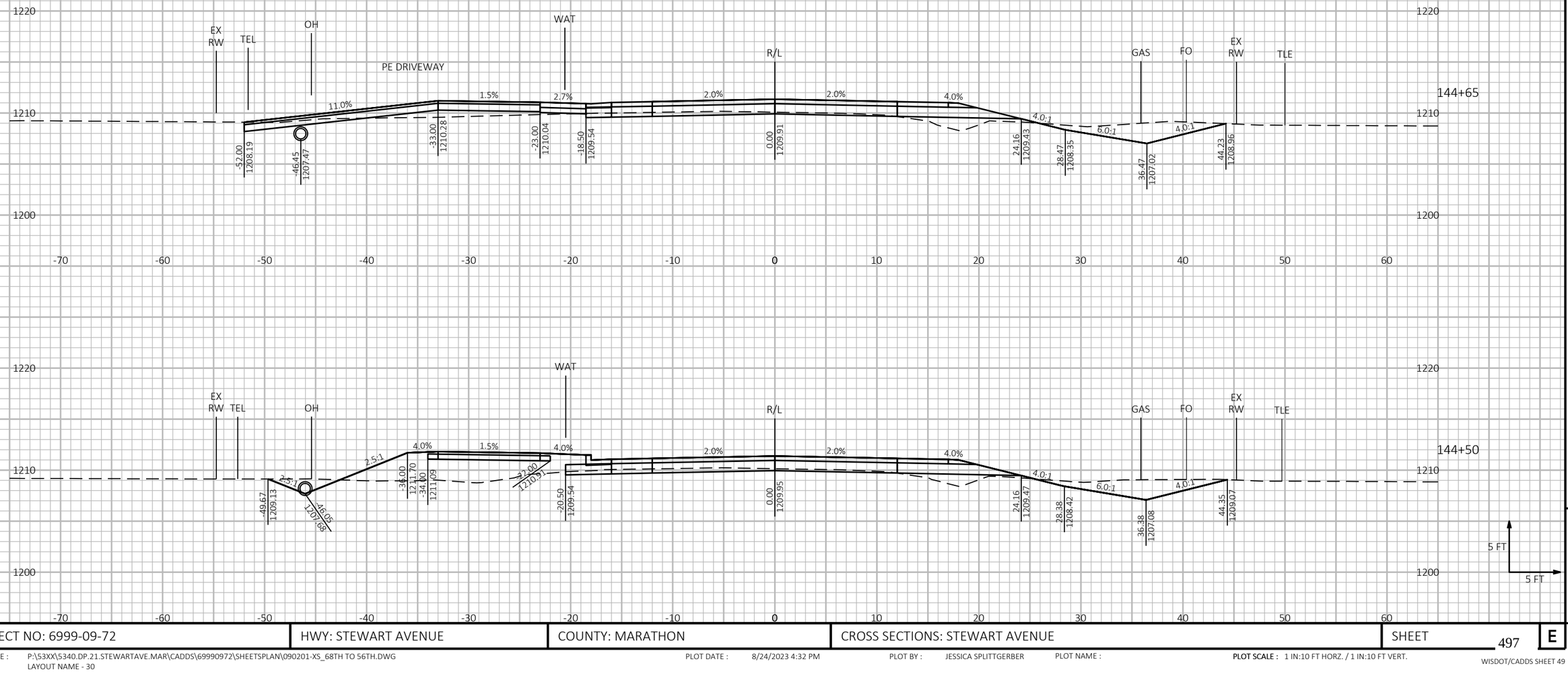
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 496	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 29

PLOT DATE : 8/24/2023 4:32 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

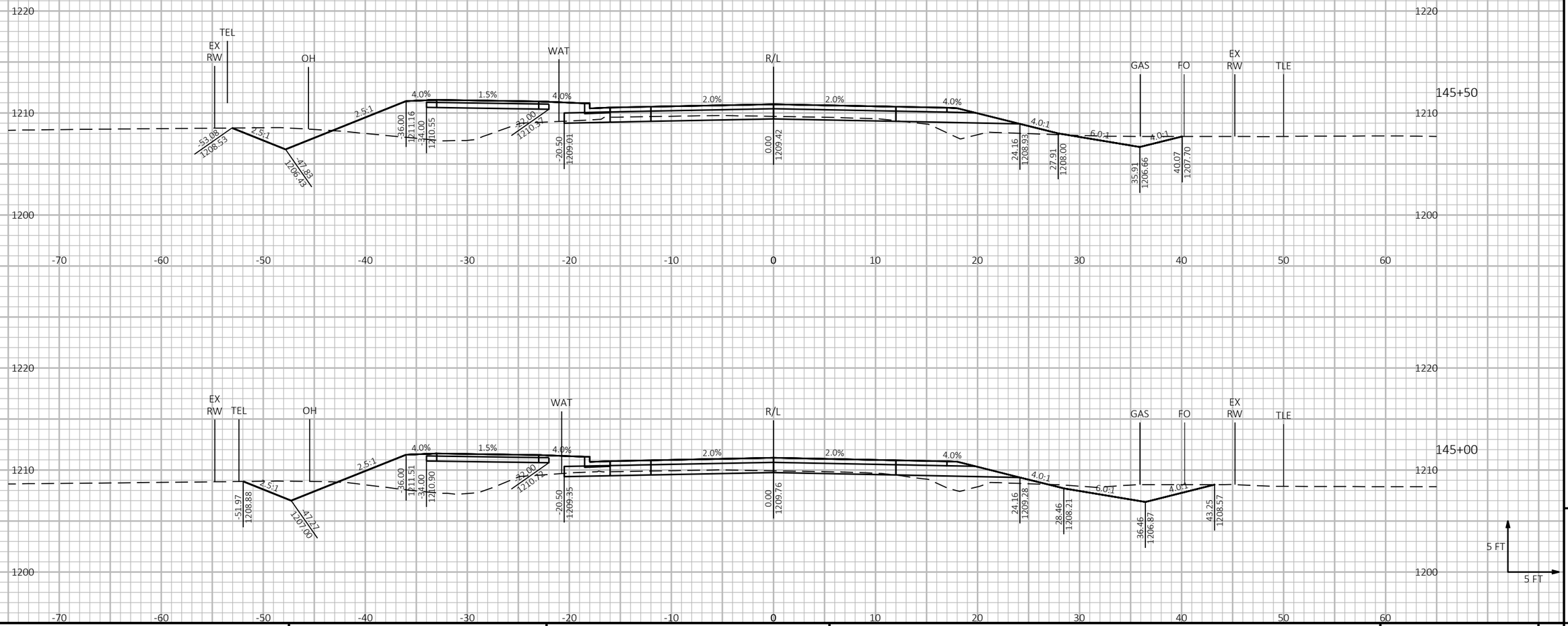
WISDOT/CADDS SHEET 49



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 497	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 30

PLOT DATE : 8/24/2023 4:32 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 498	E

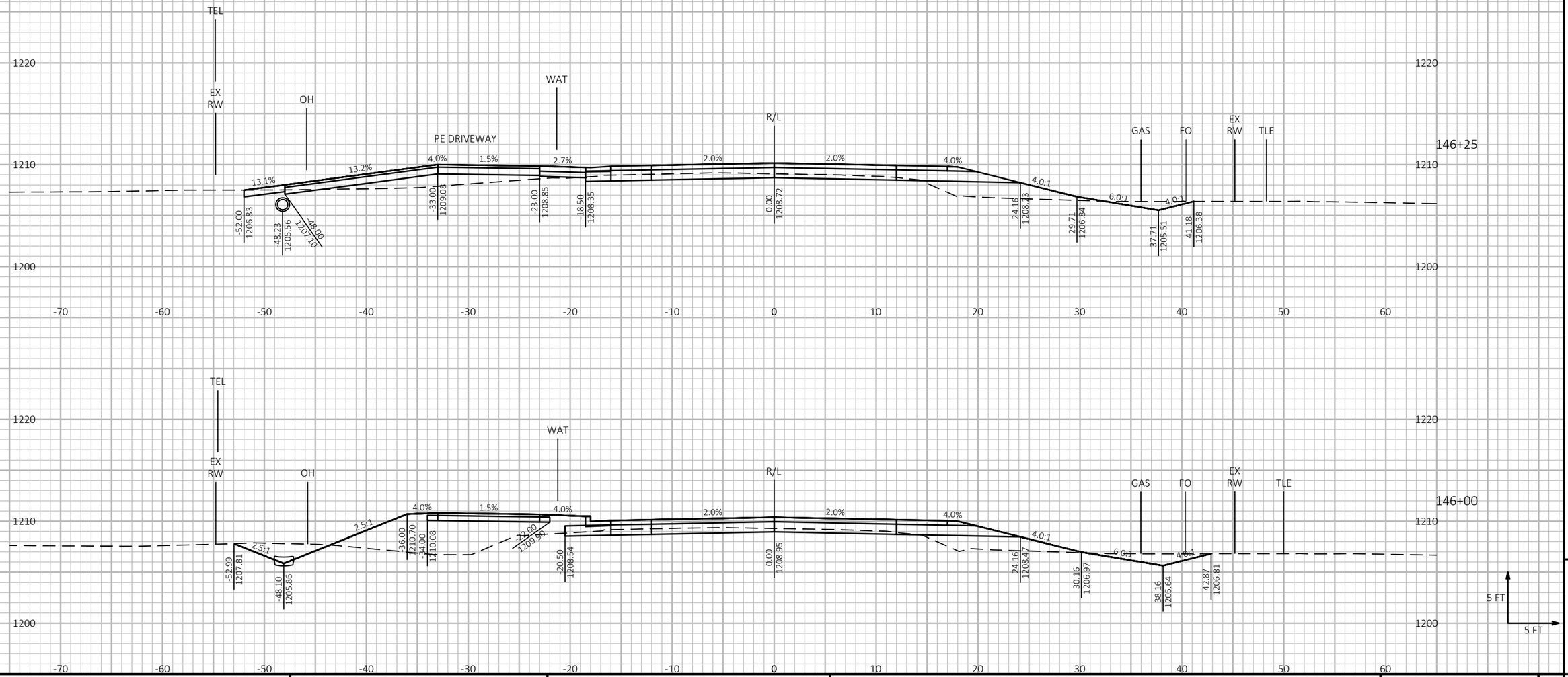
FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 31

PLOT DATE : 8/24/2023 4:32 PM

PLOT BY : JESSICA SPLITTGERBER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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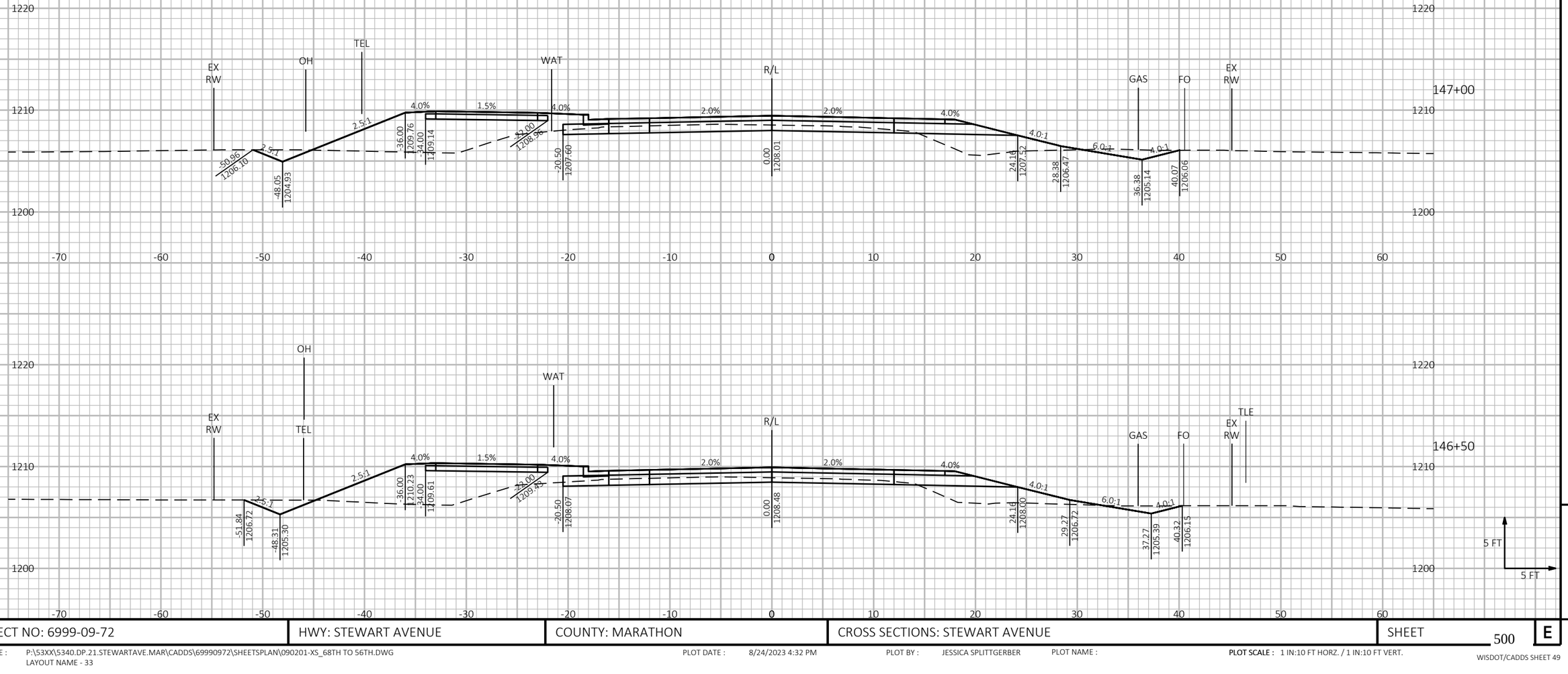
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 499	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 32

PLOT DATE : 8/24/2023 4:32 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

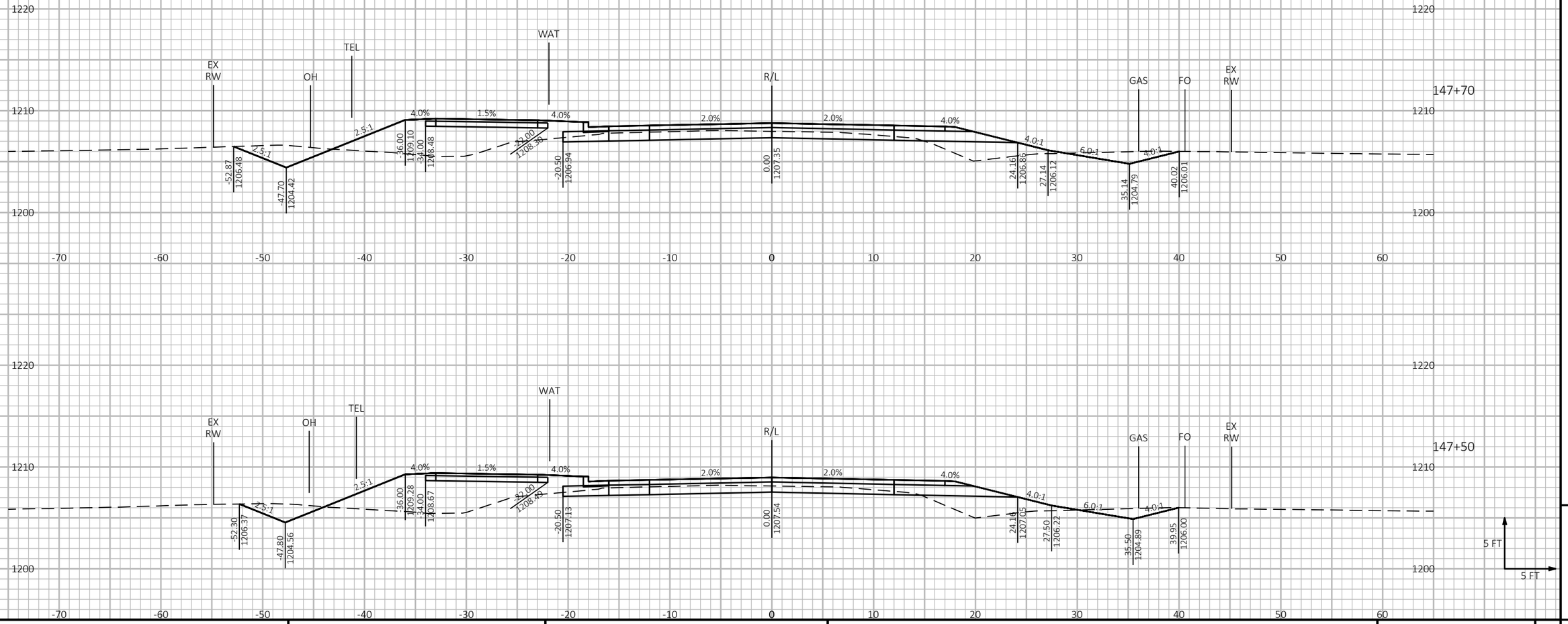


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 500	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 33

PLOT DATE : 8/24/2023 4:32 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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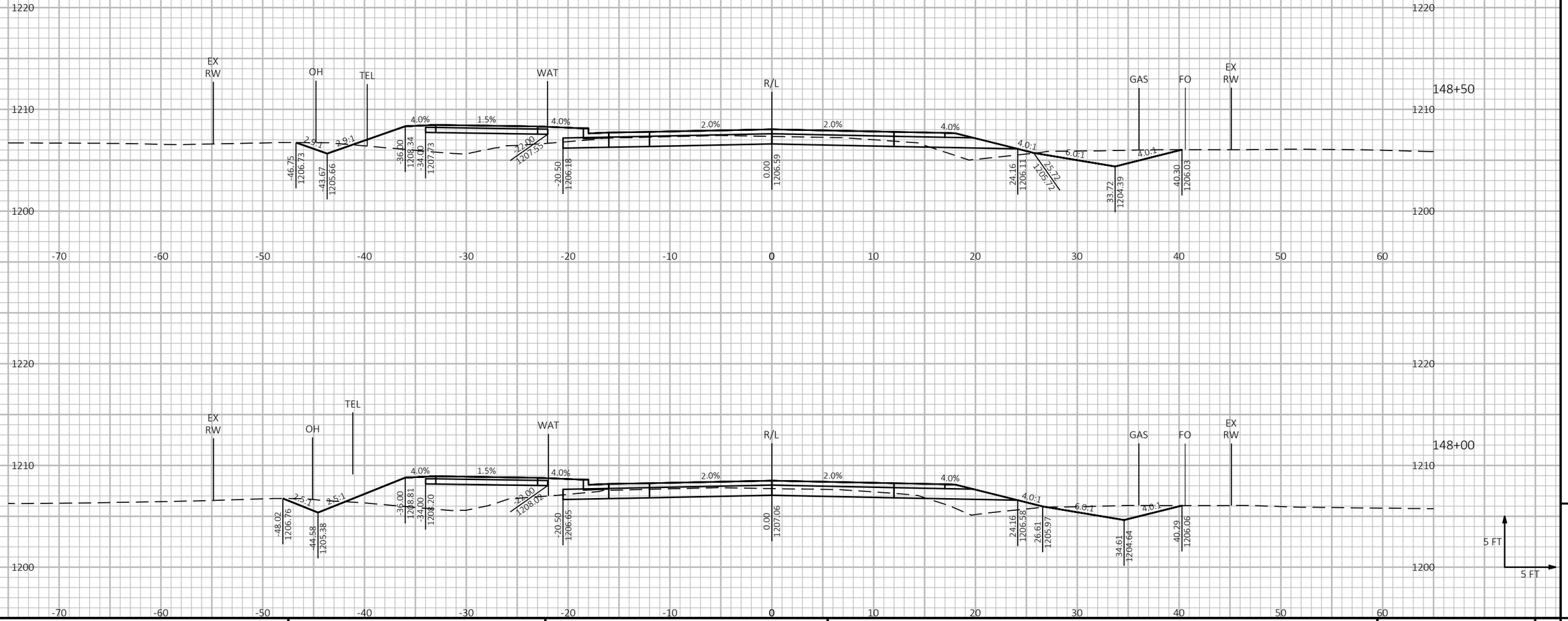
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 501	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 34

PLOT DATE : 8/24/2023 4:32 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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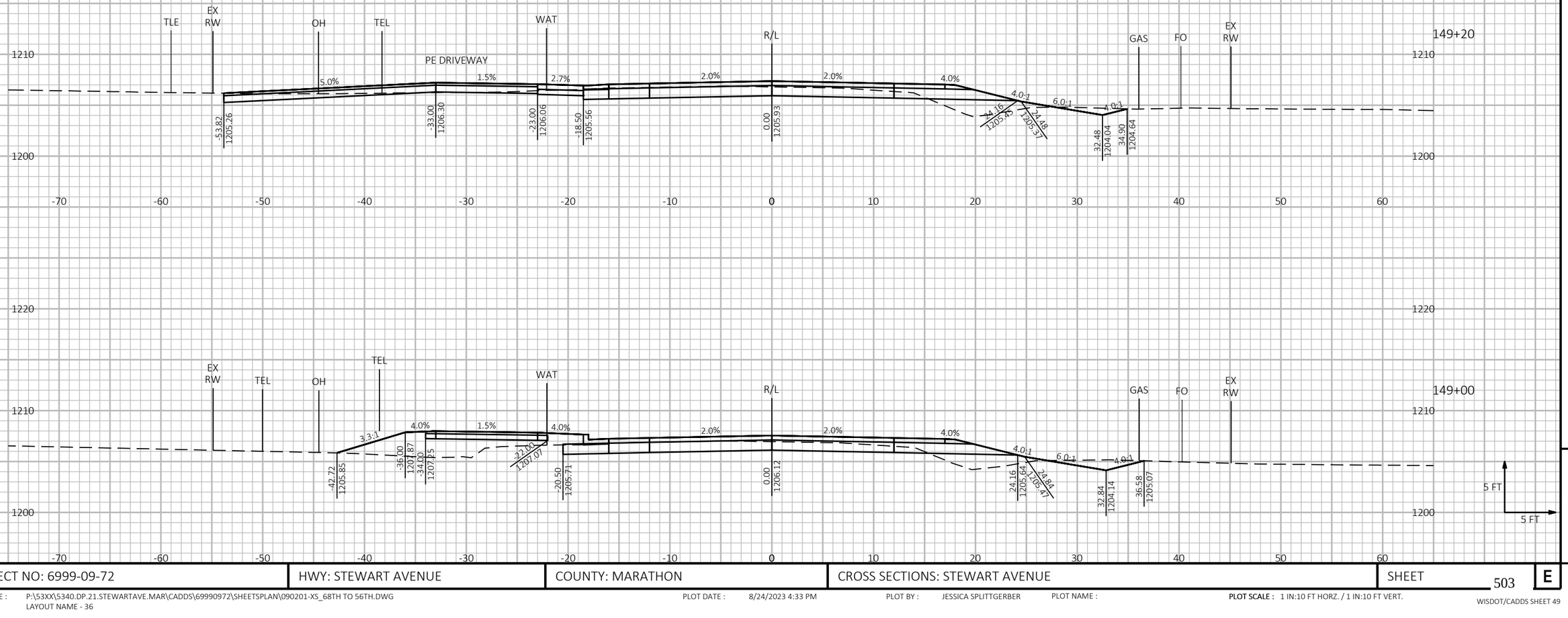
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 502	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 35

PLOT DATE : 8/24/2023 4:33 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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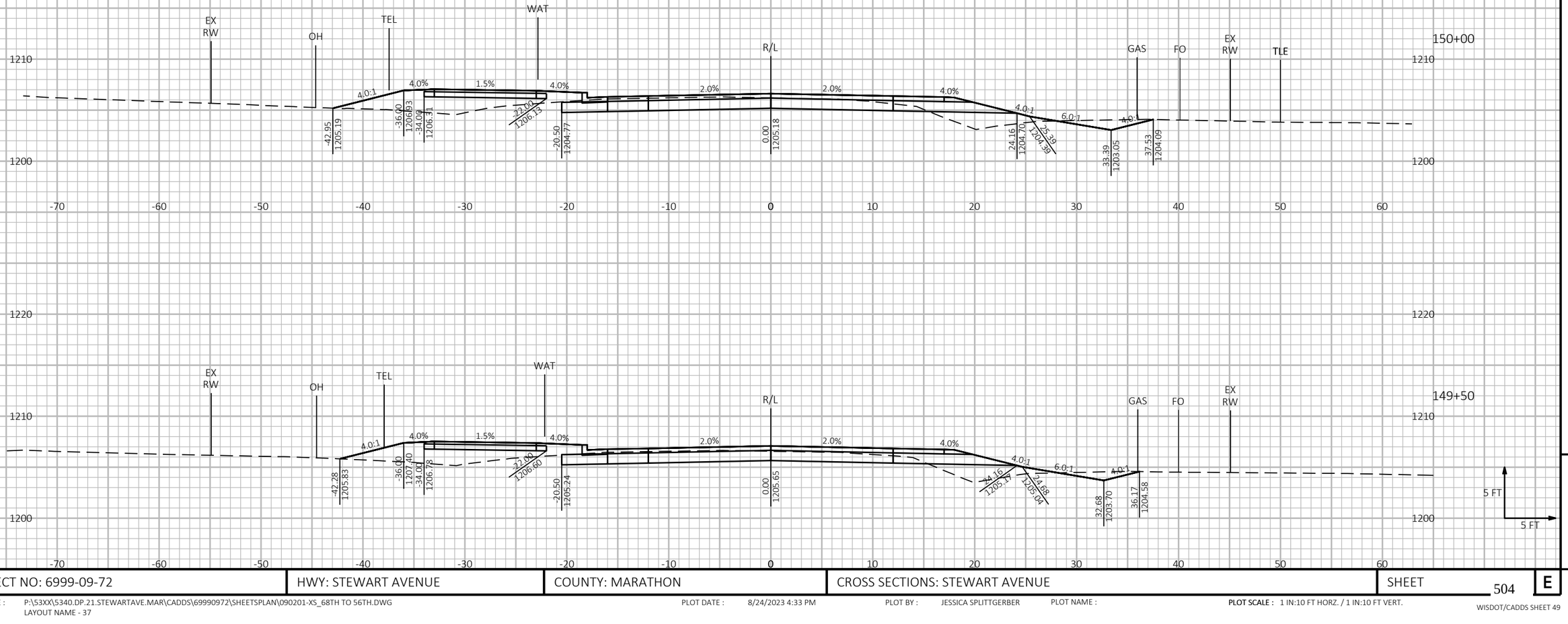
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 503	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 36

PLOT DATE : 8/24/2023 4:33 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

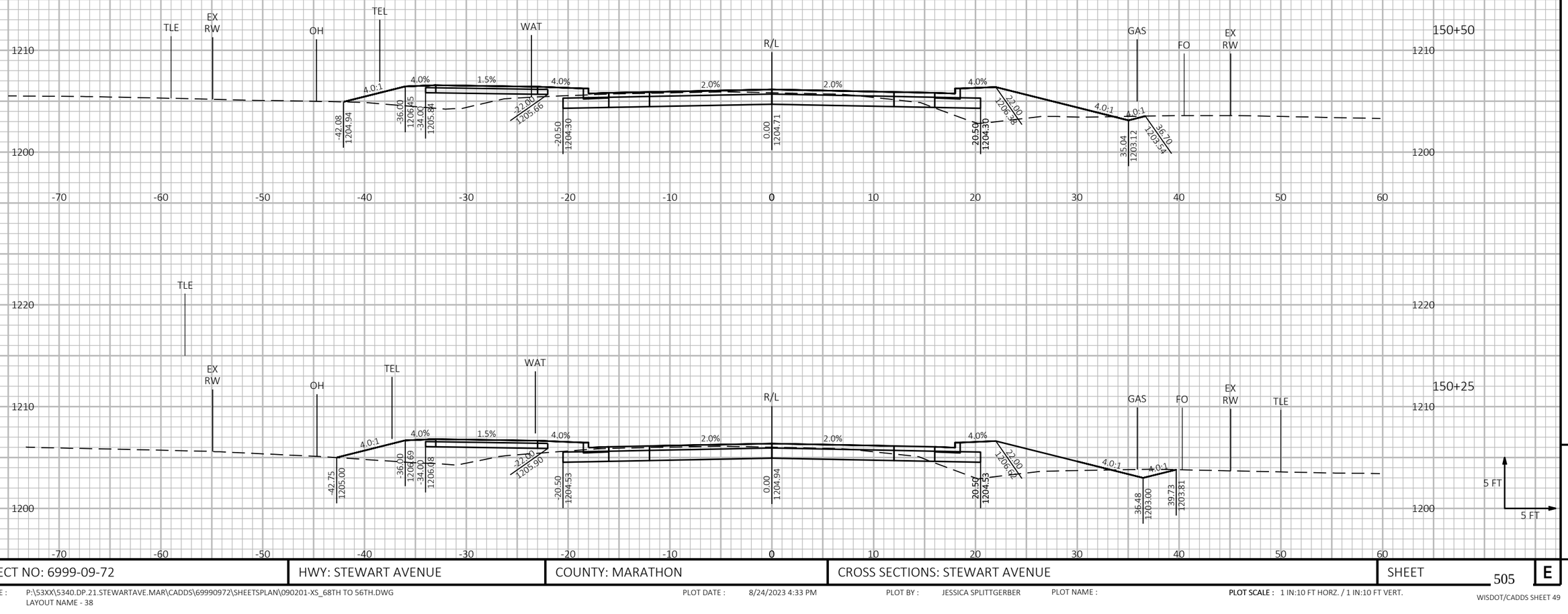
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 504	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 37

PLOT DATE : 8/24/2023 4:33 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 505	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 38

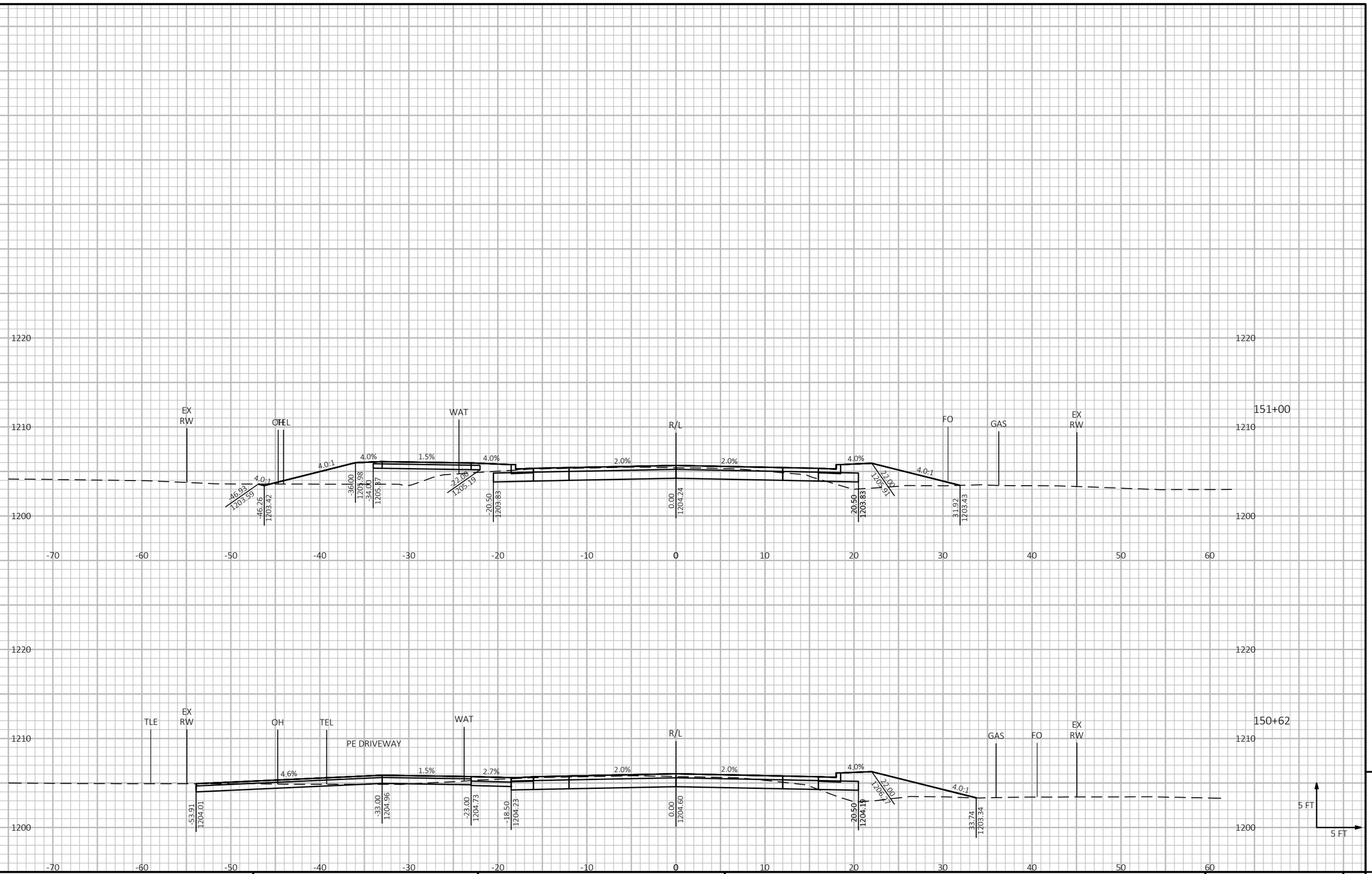
PLOT DATE : 8/24/2023 4:33 PM

PLOT BY : JESSICA SPLITTGERBER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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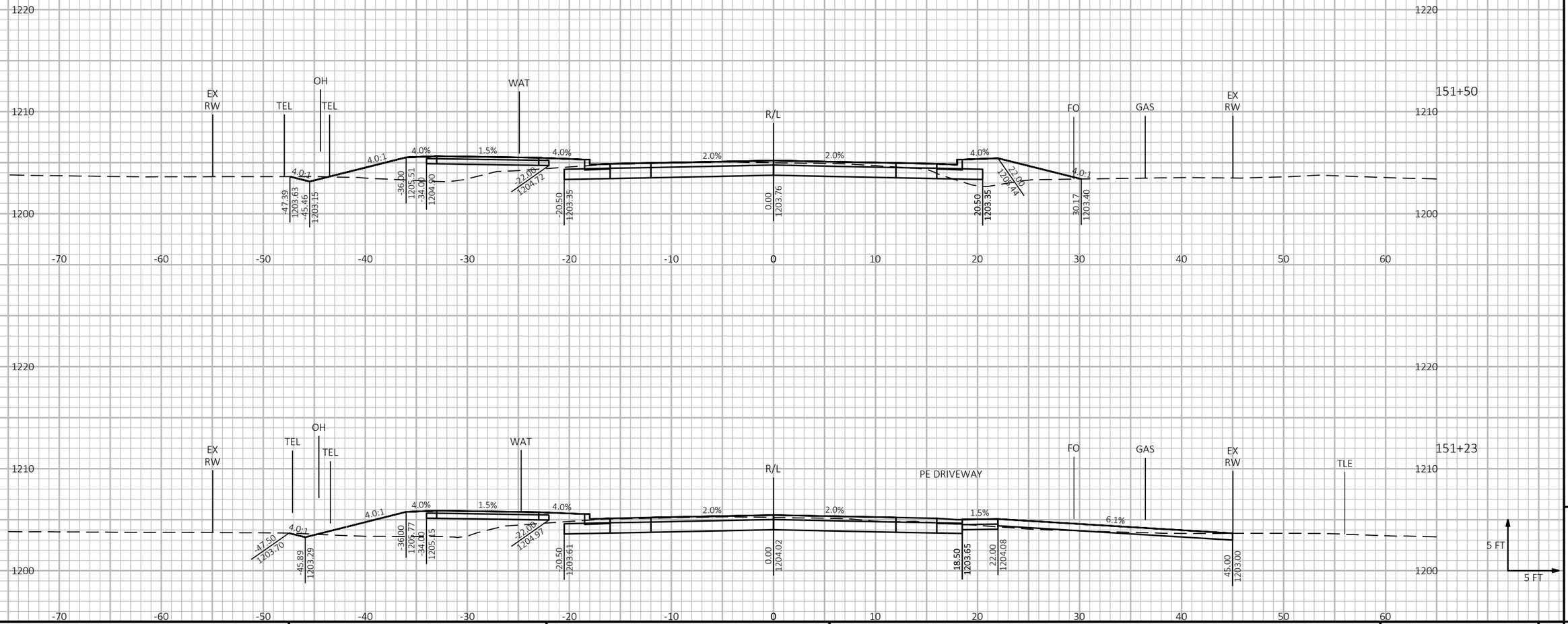
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 506	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 39

PLOT DATE : 8/24/2023 4:33 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

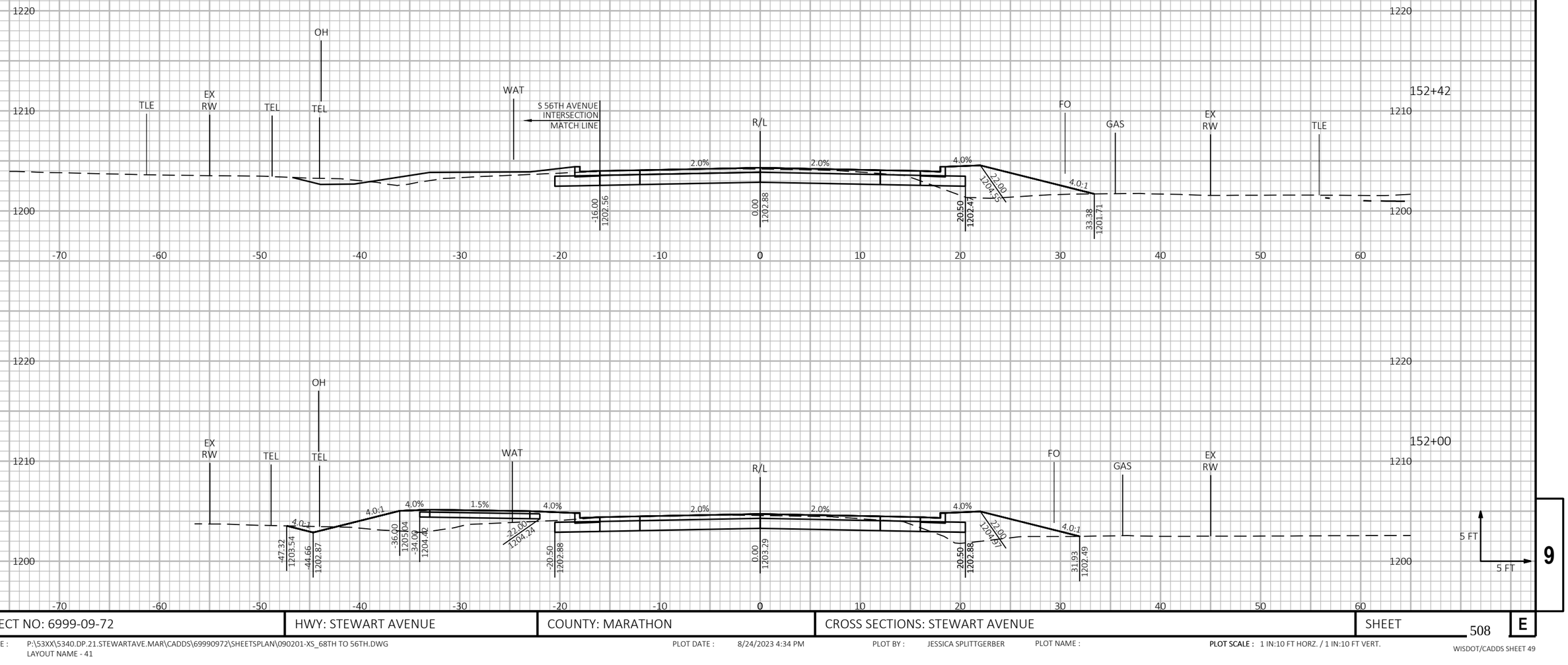
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 507	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 40

PLOT DATE : 8/24/2023 4:33 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

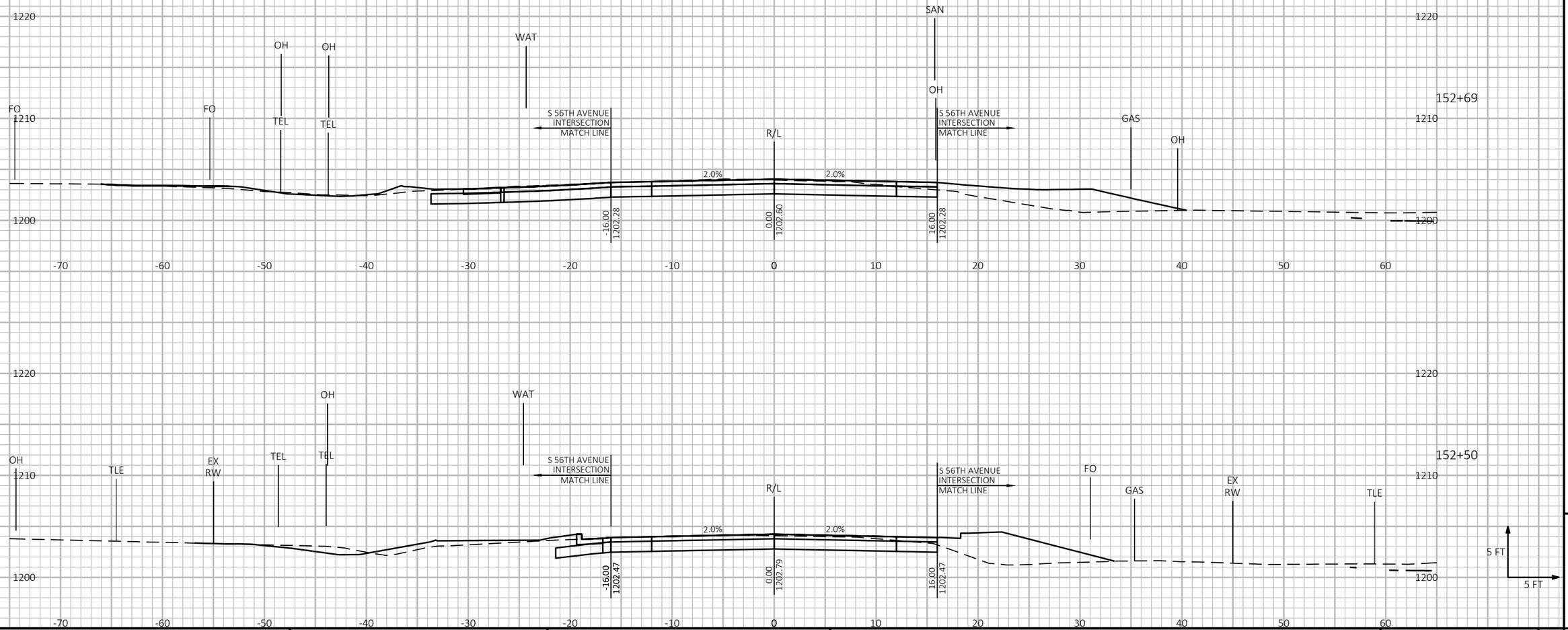
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 508	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 41

PLOT DATE : 8/24/2023 4:34 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

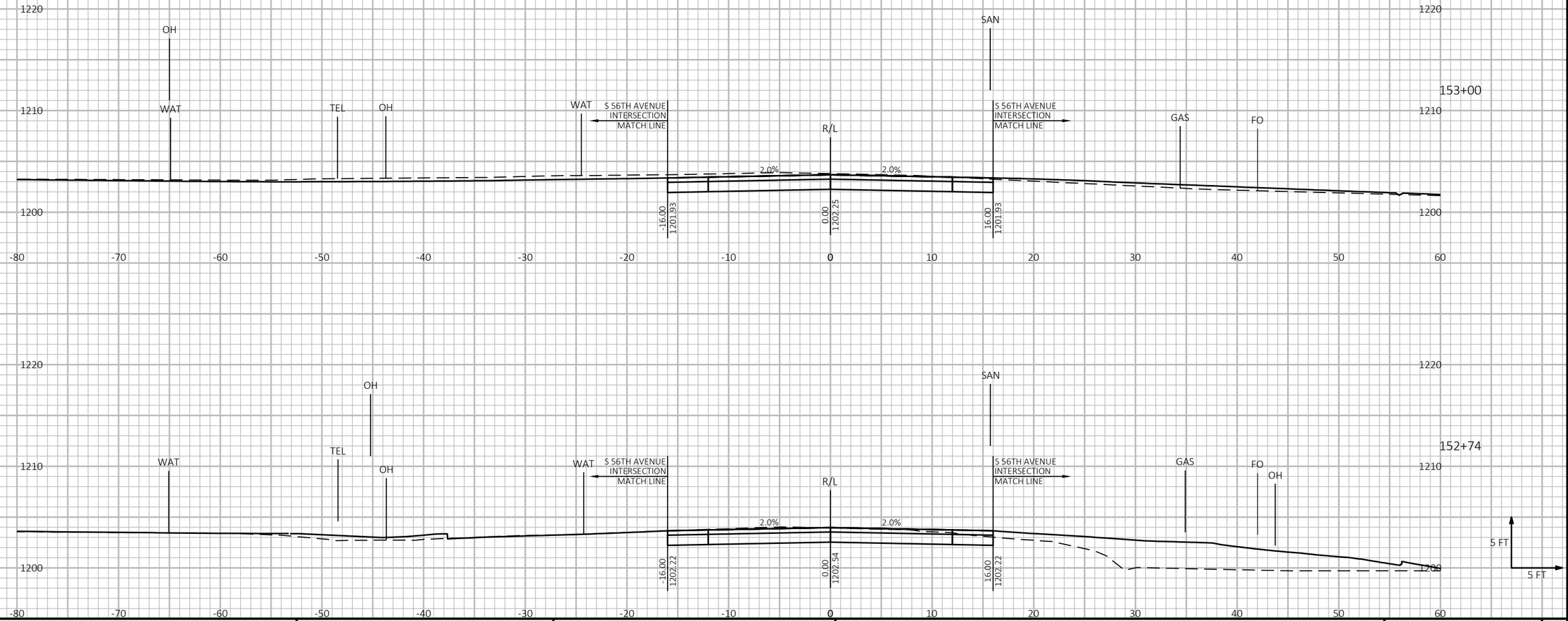
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 509	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090201-XS_68TH TO 56TH.DWG
LAYOUT NAME - 42

PLOT DATE : 8/24/2023 4:34 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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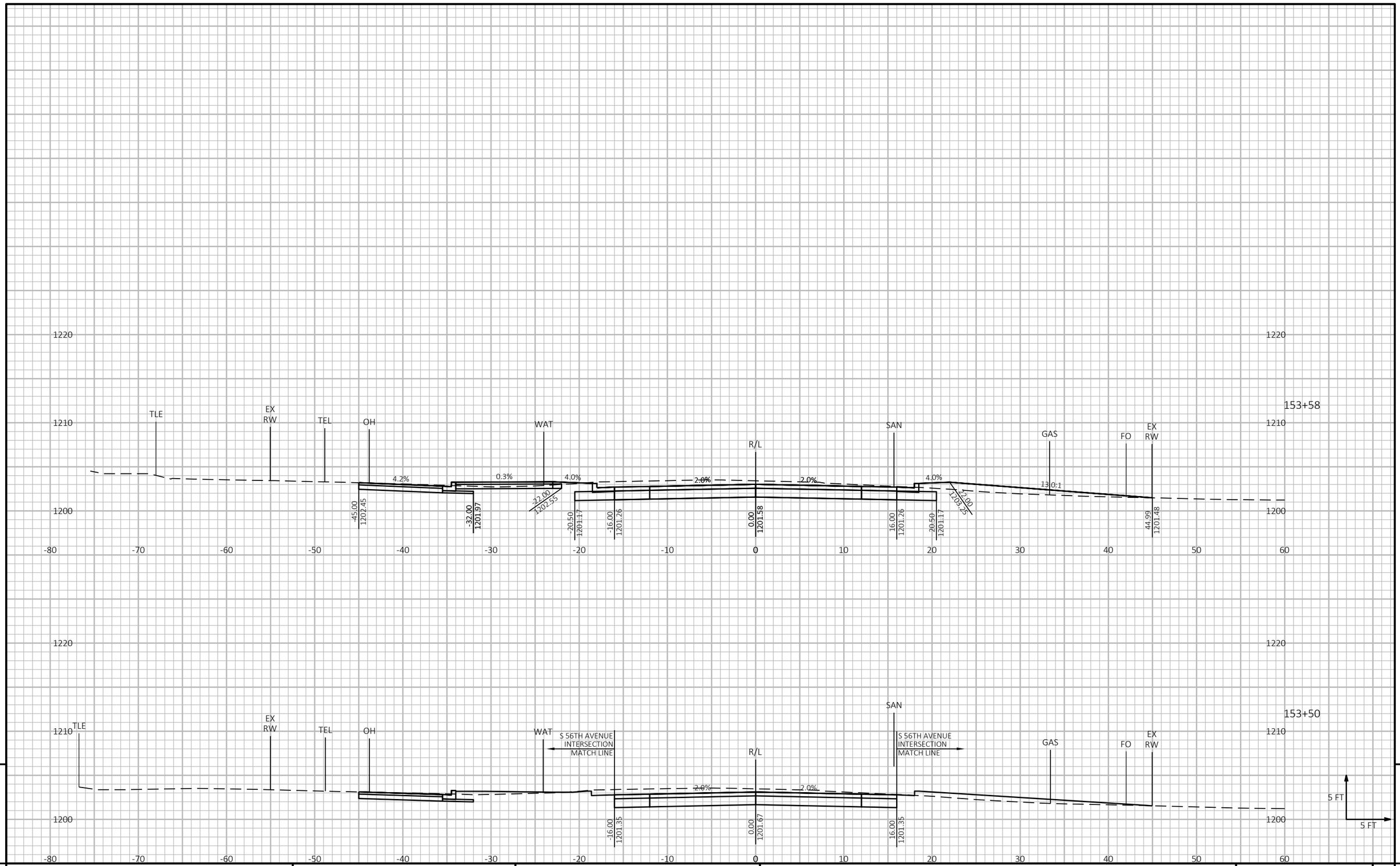
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 510	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 01

PLOT DATE : 10/26/2023 8:54 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

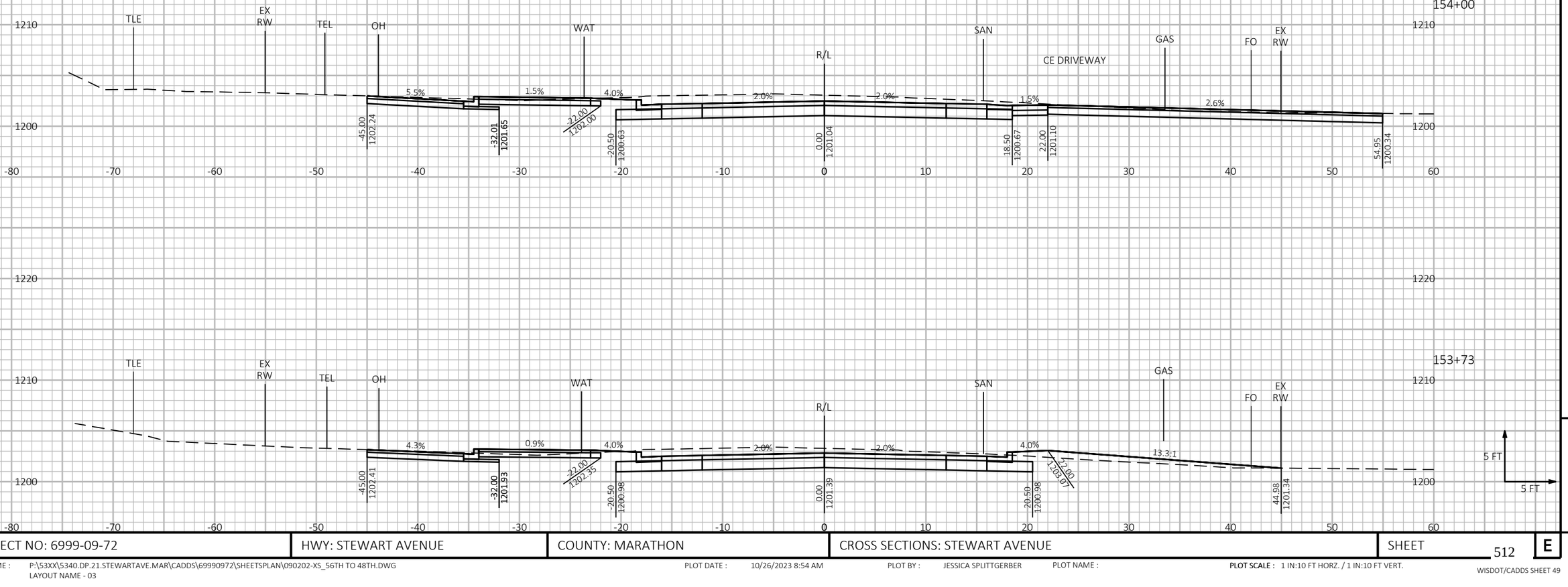
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 511	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 02

PLOT DATE : 10/26/2023 8:54 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

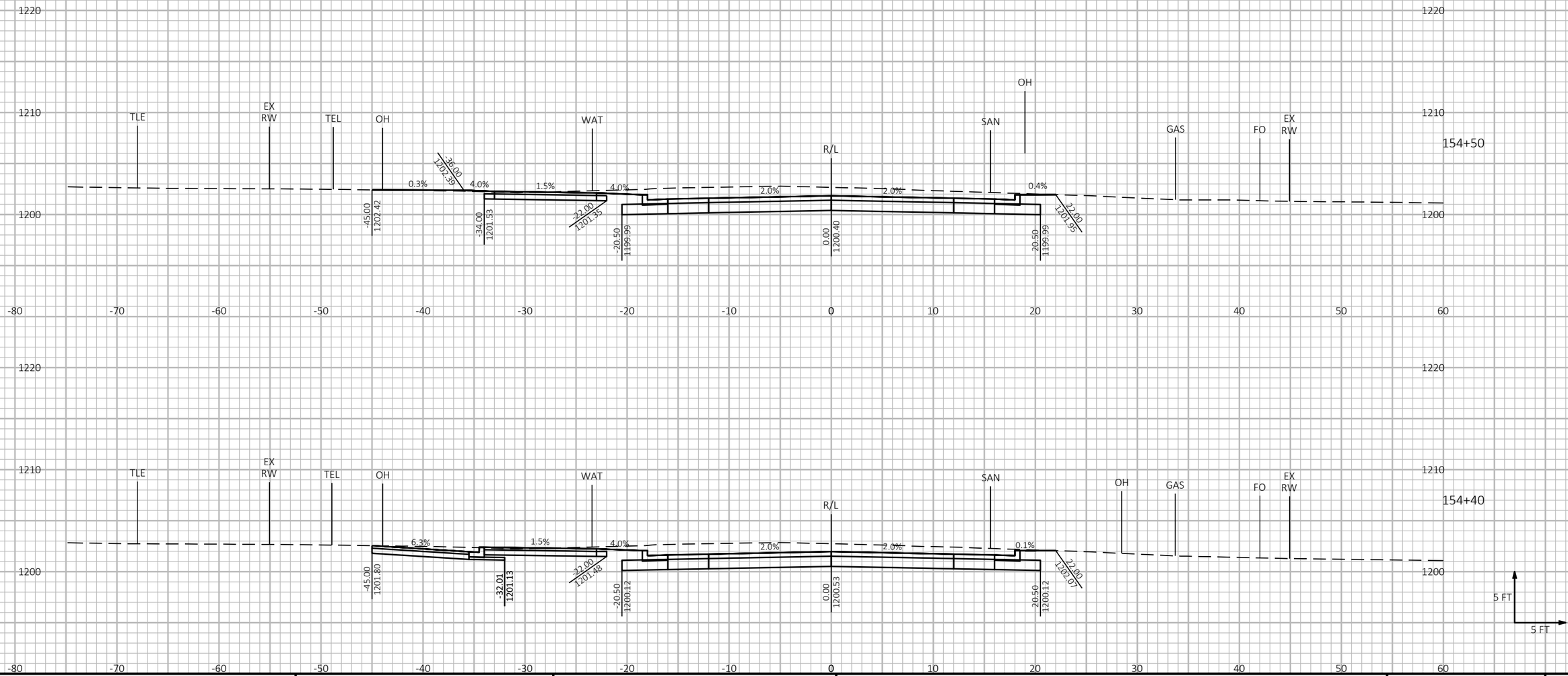
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 512	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 03

PLOT DATE : 10/26/2023 8:54 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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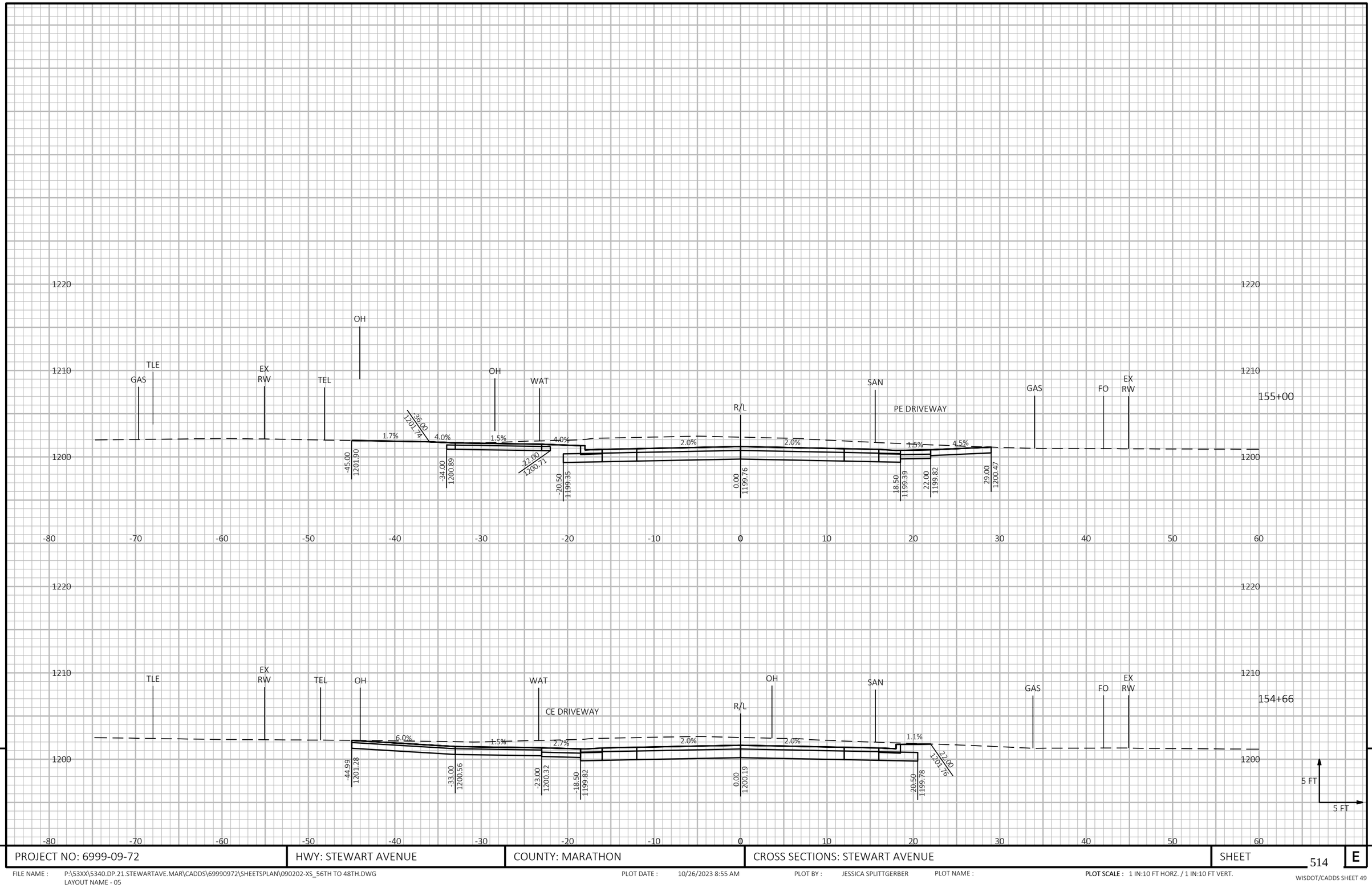
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 513	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 04

PLOT DATE : 10/26/2023 8:54 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

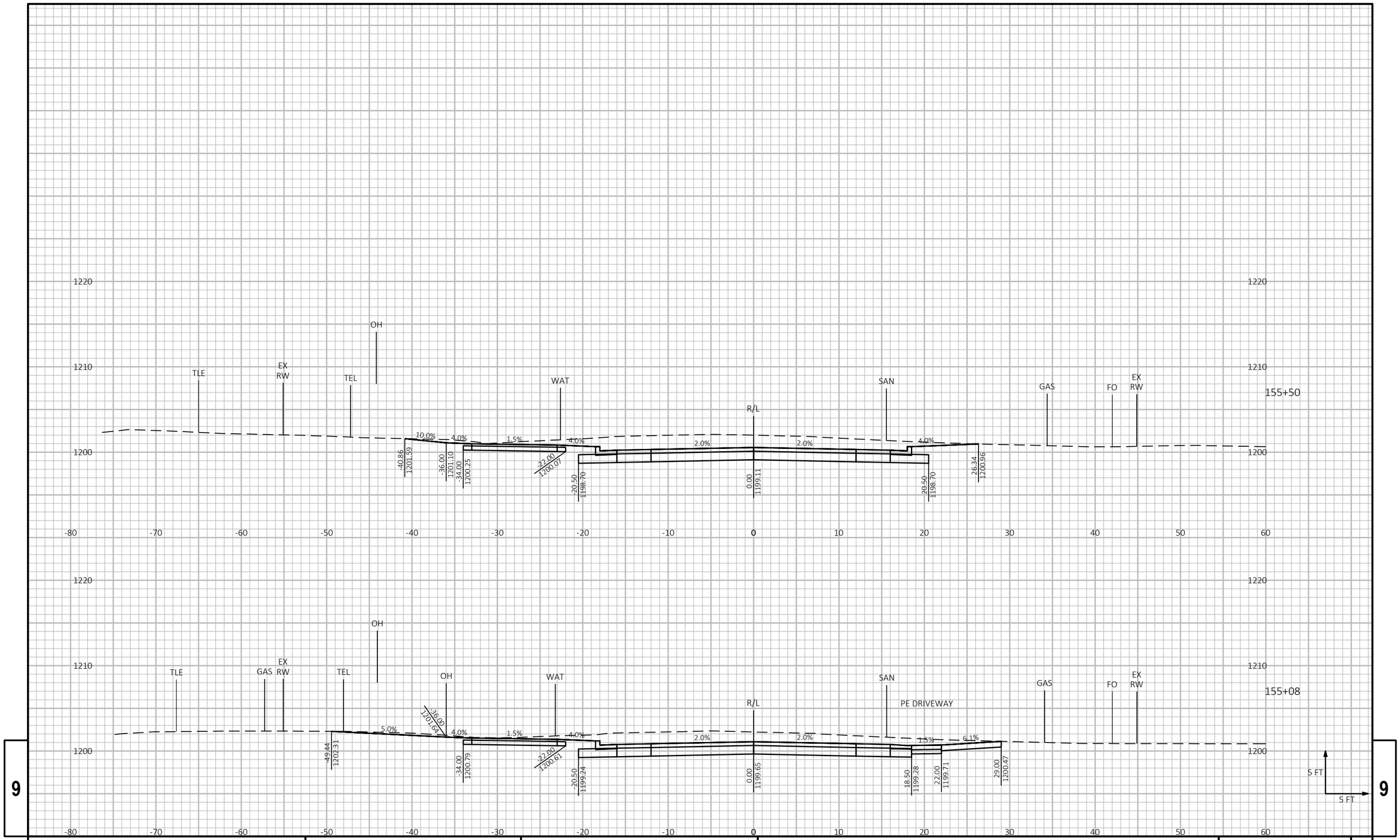


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 514	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 05

PLOT DATE : 10/26/2023 8:55 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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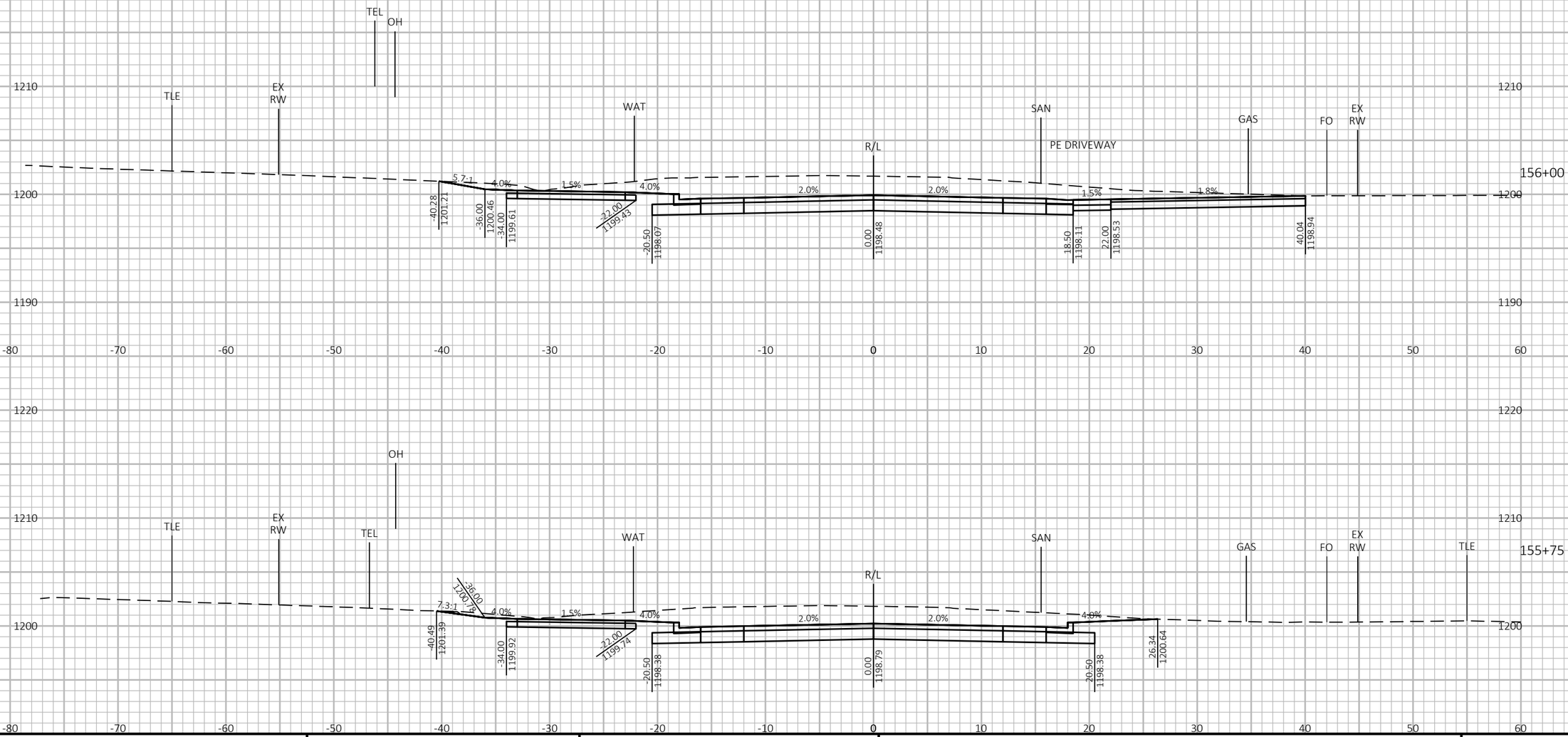
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 515	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 06

PLOT DATE : 10/26/2023 8:55 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



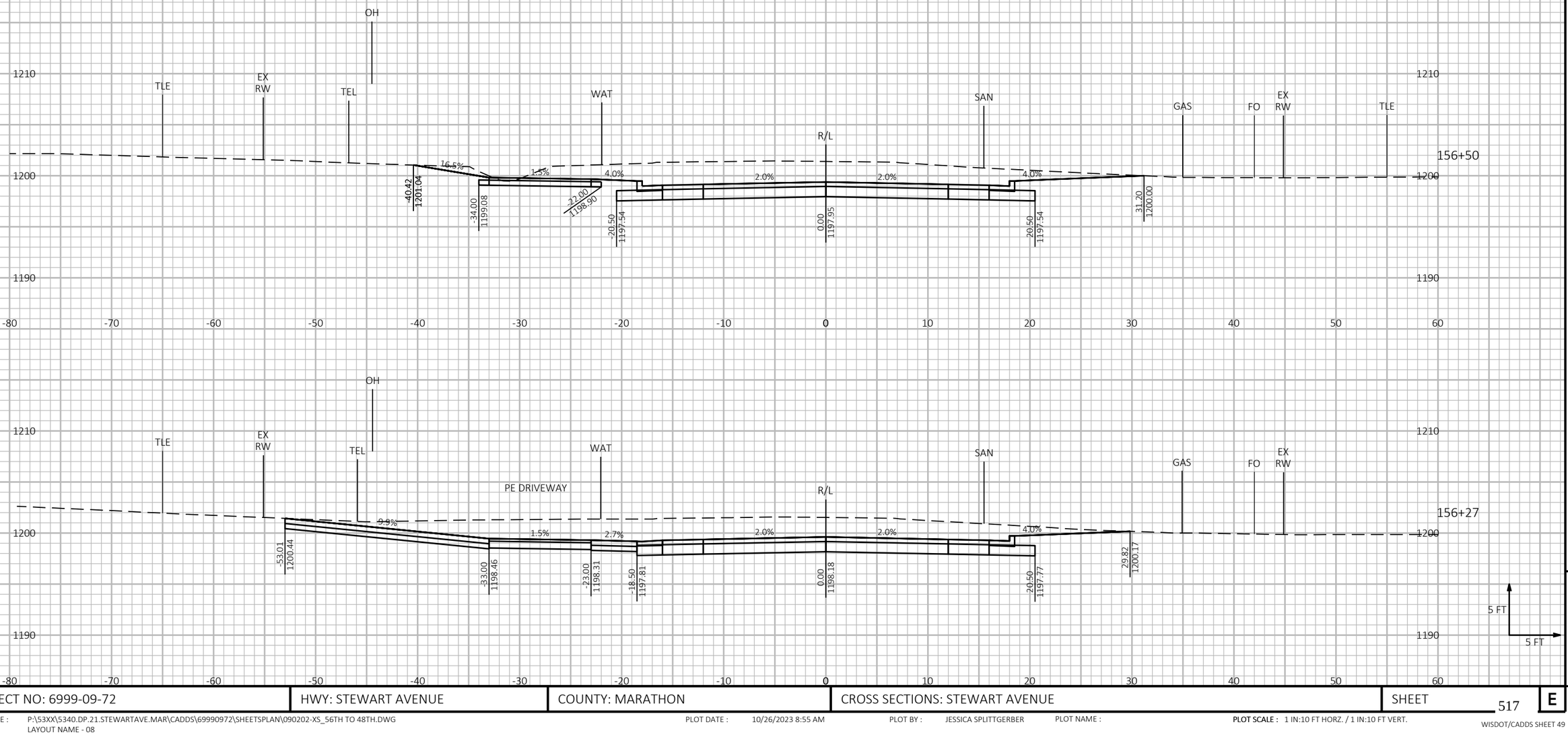
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 516	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 07

PLOT DATE : 10/26/2023 8:55 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



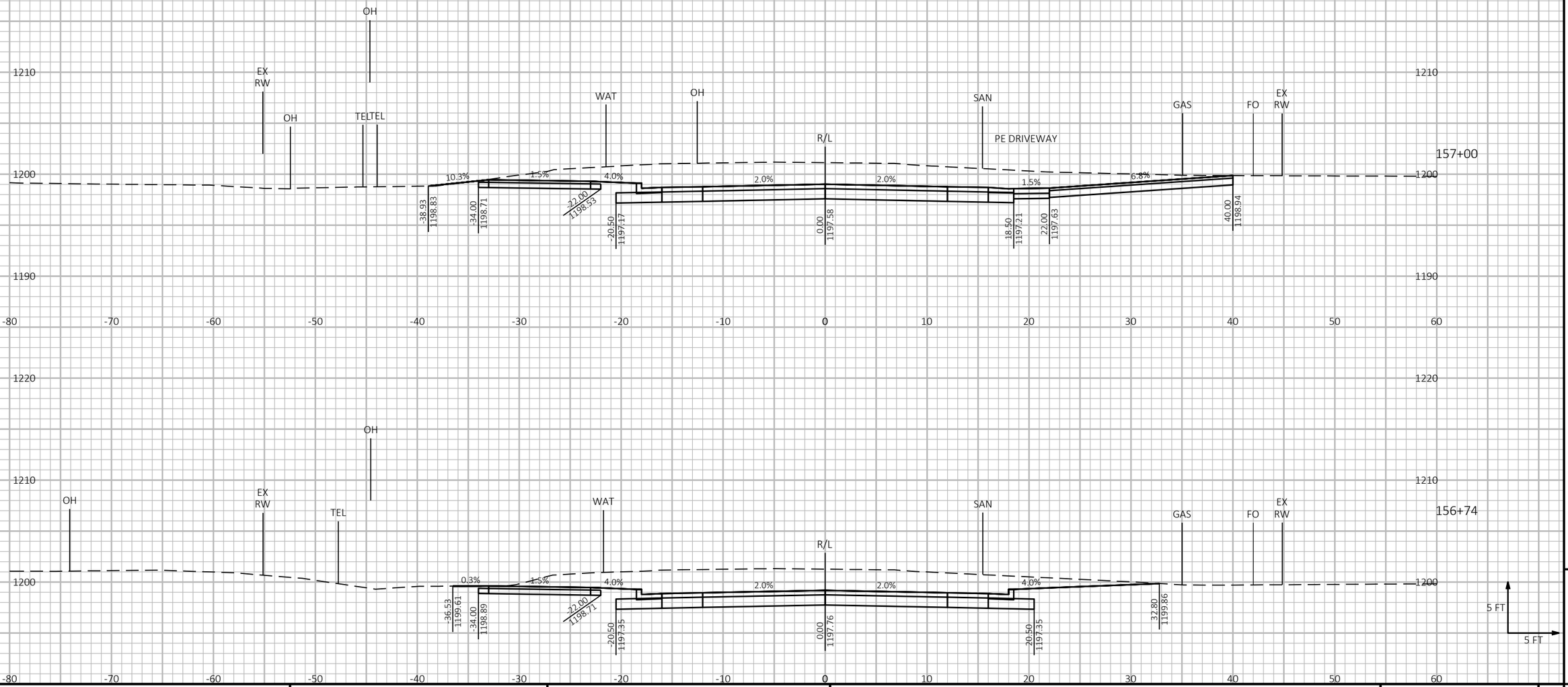
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 517	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 08

PLOT DATE : 10/26/2023 8:55 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

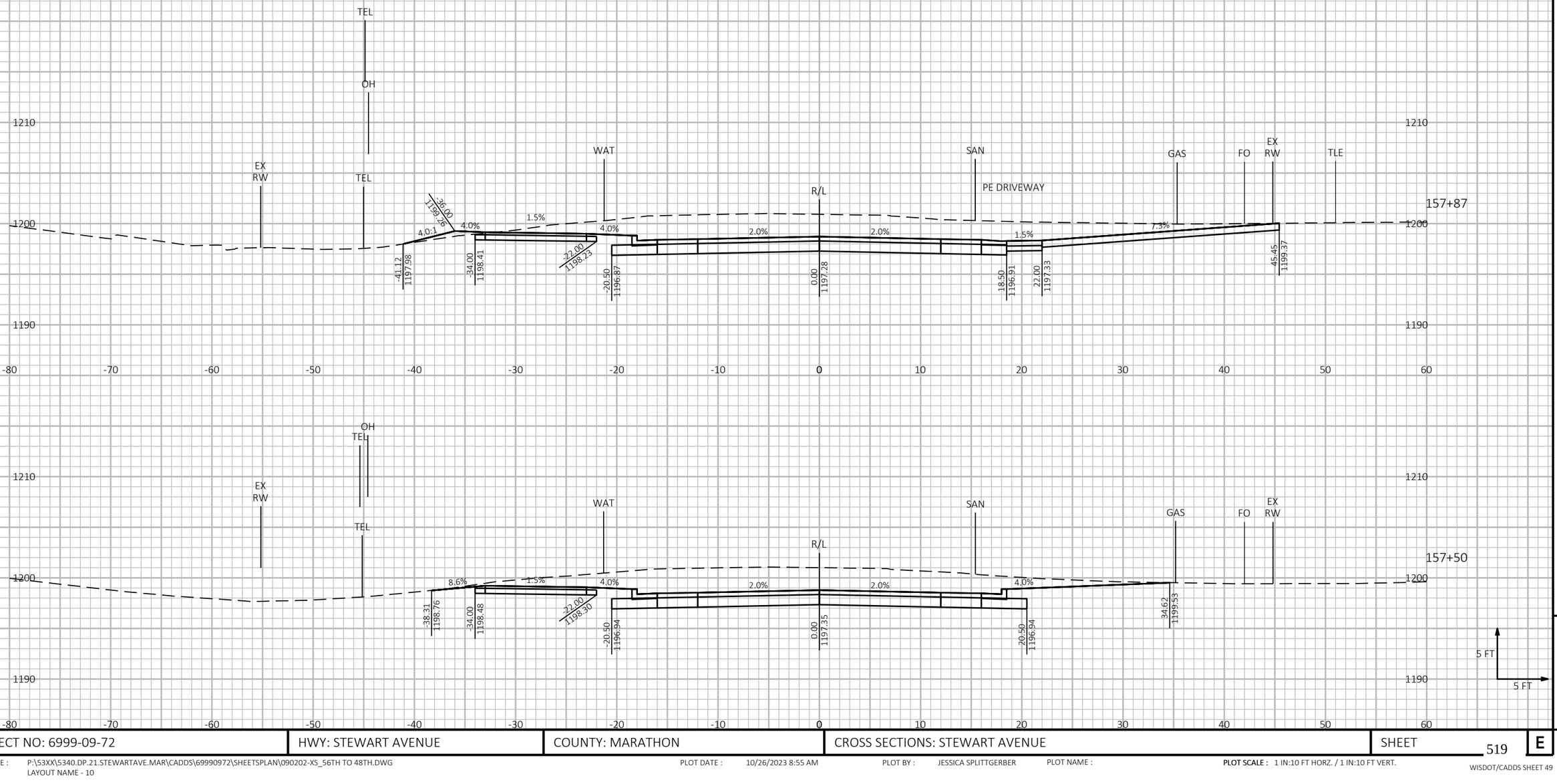


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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 518	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 09

PLOT DATE : 10/26/2023 8:55 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

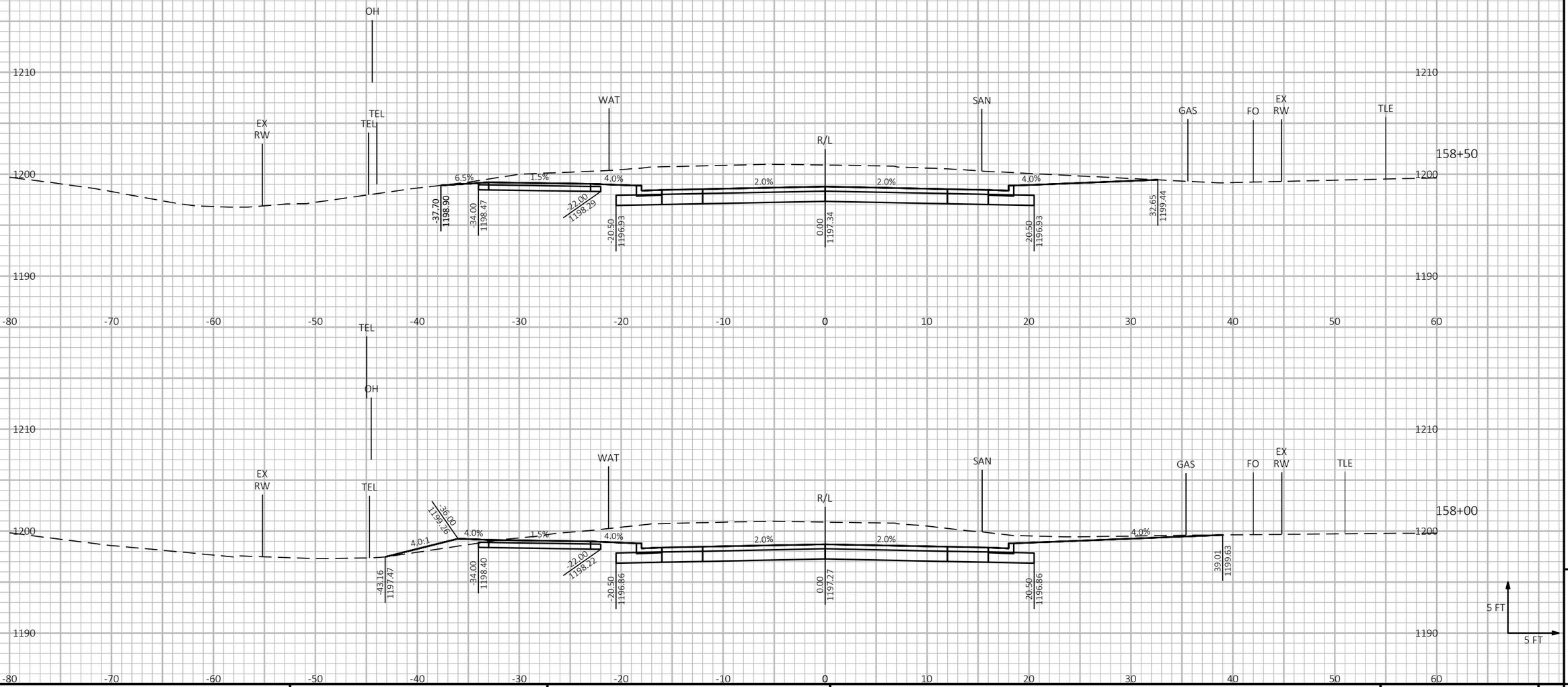


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 519	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 10

PLOT DATE : 10/26/2023 8:55 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



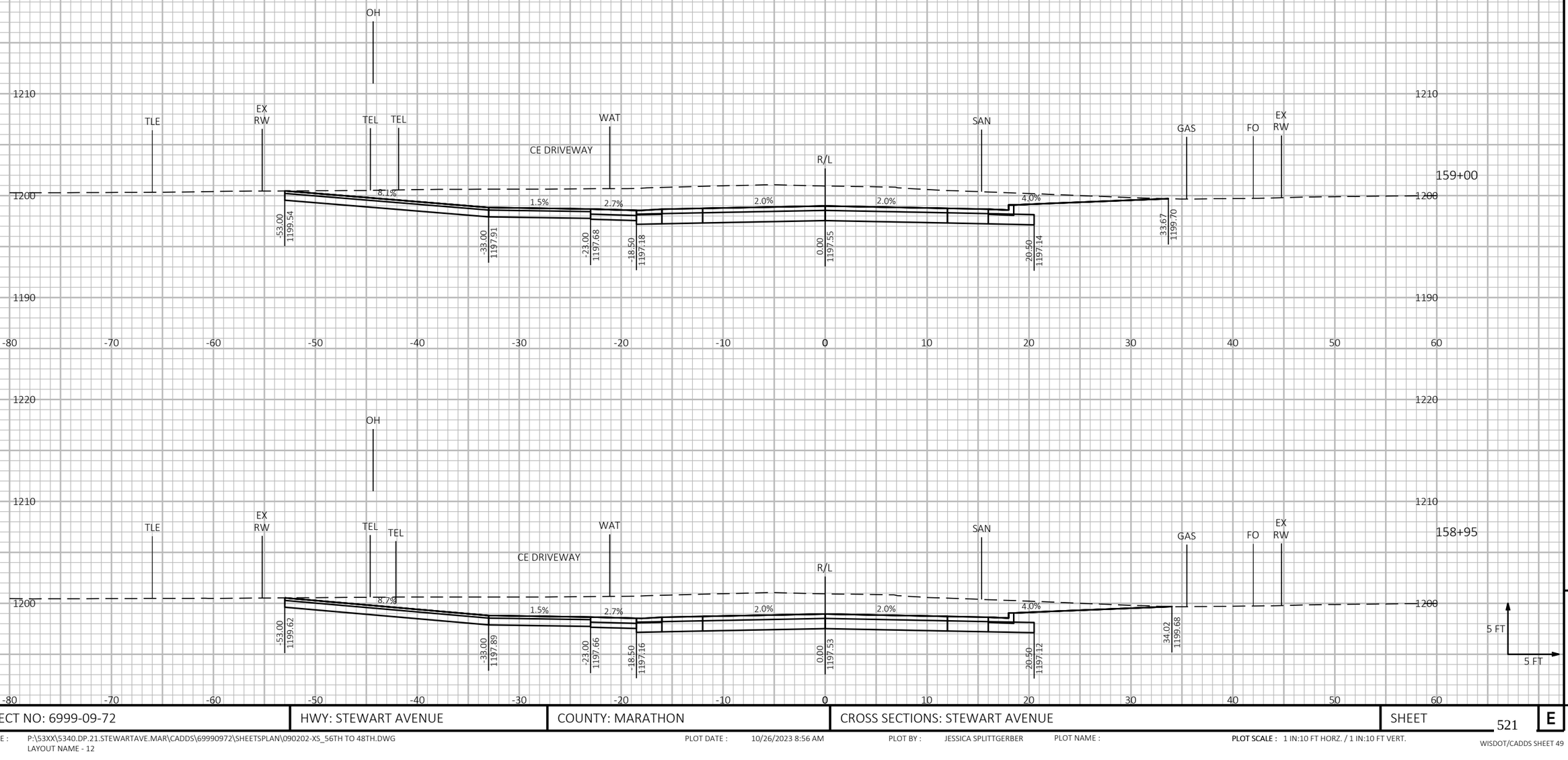
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 520	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 11

PLOT DATE : 10/26/2023 8:56 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



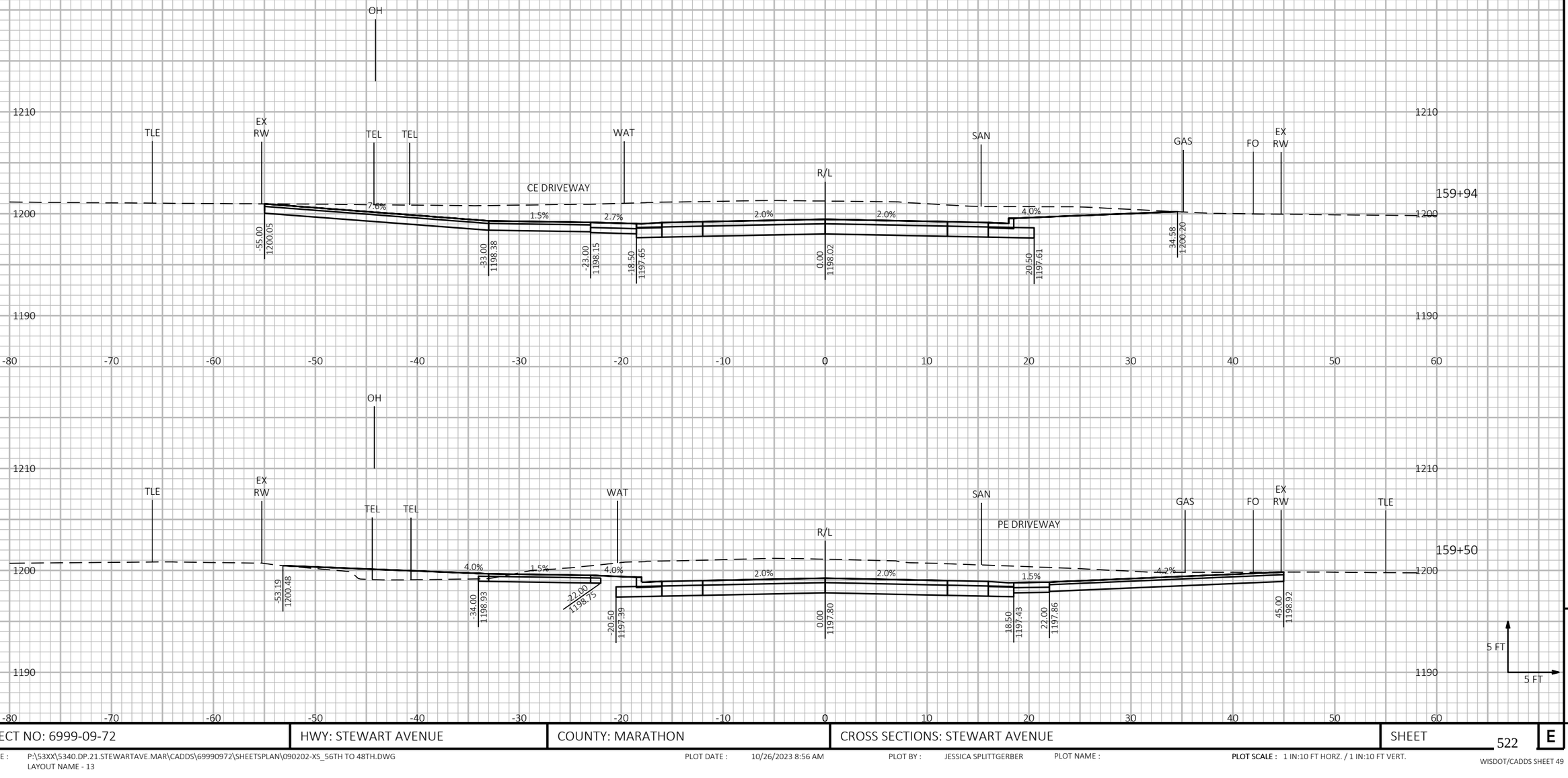
9 9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 521	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 12

PLOT DATE : 10/26/2023 8:56 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

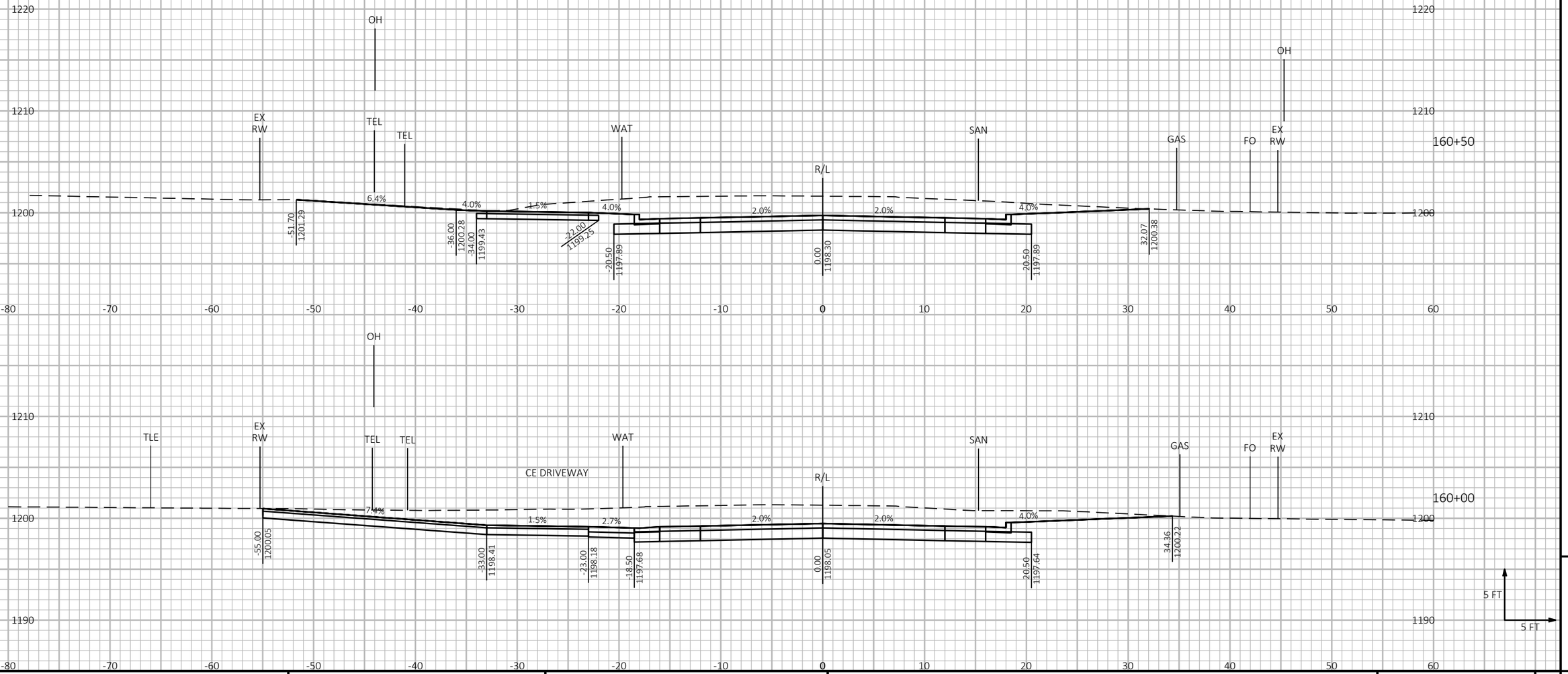


9 9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 522	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 13

PLOT DATE : 10/26/2023 8:56 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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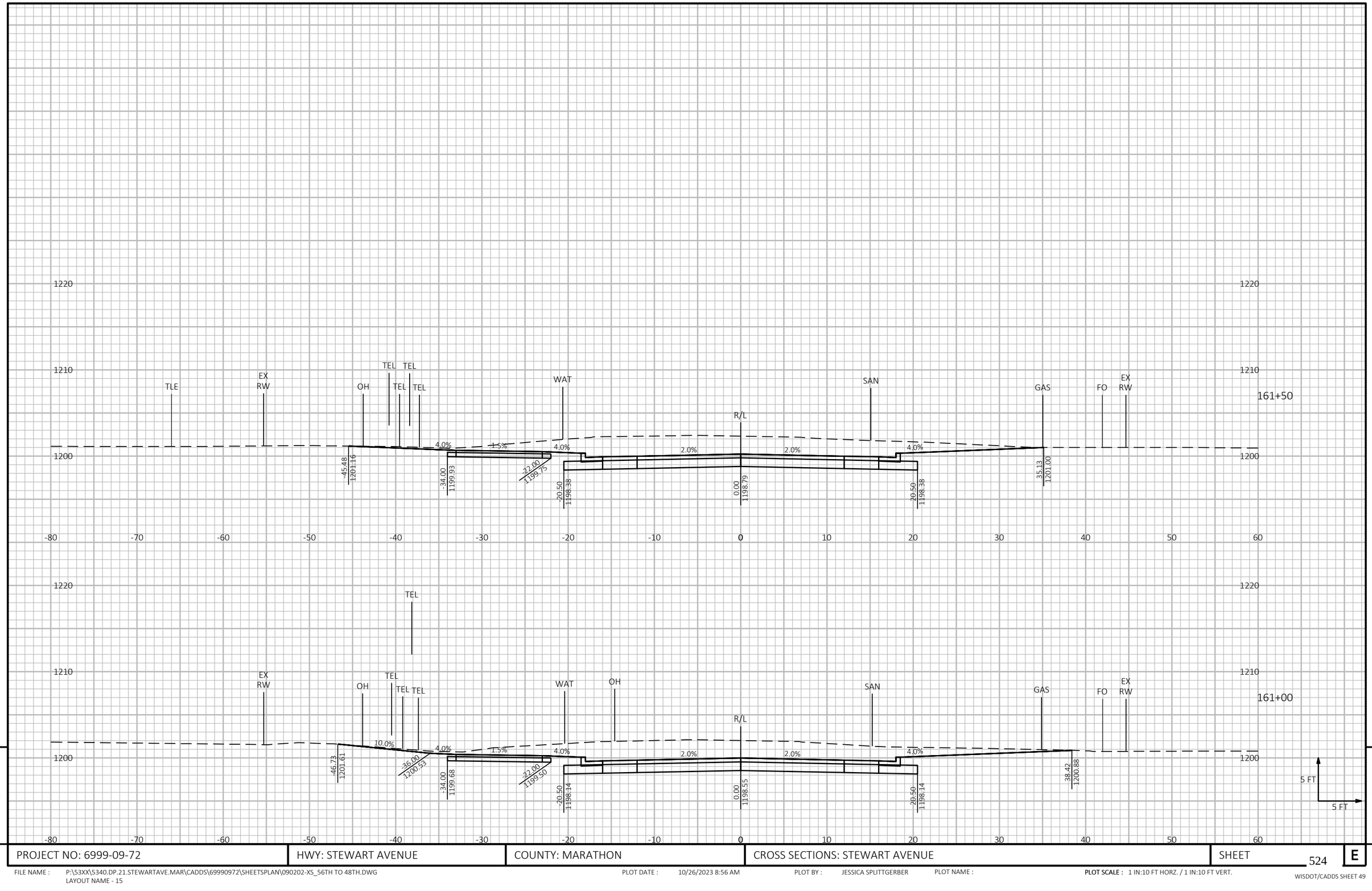
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 523	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 14

PLOT DATE : 10/26/2023 8:56 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



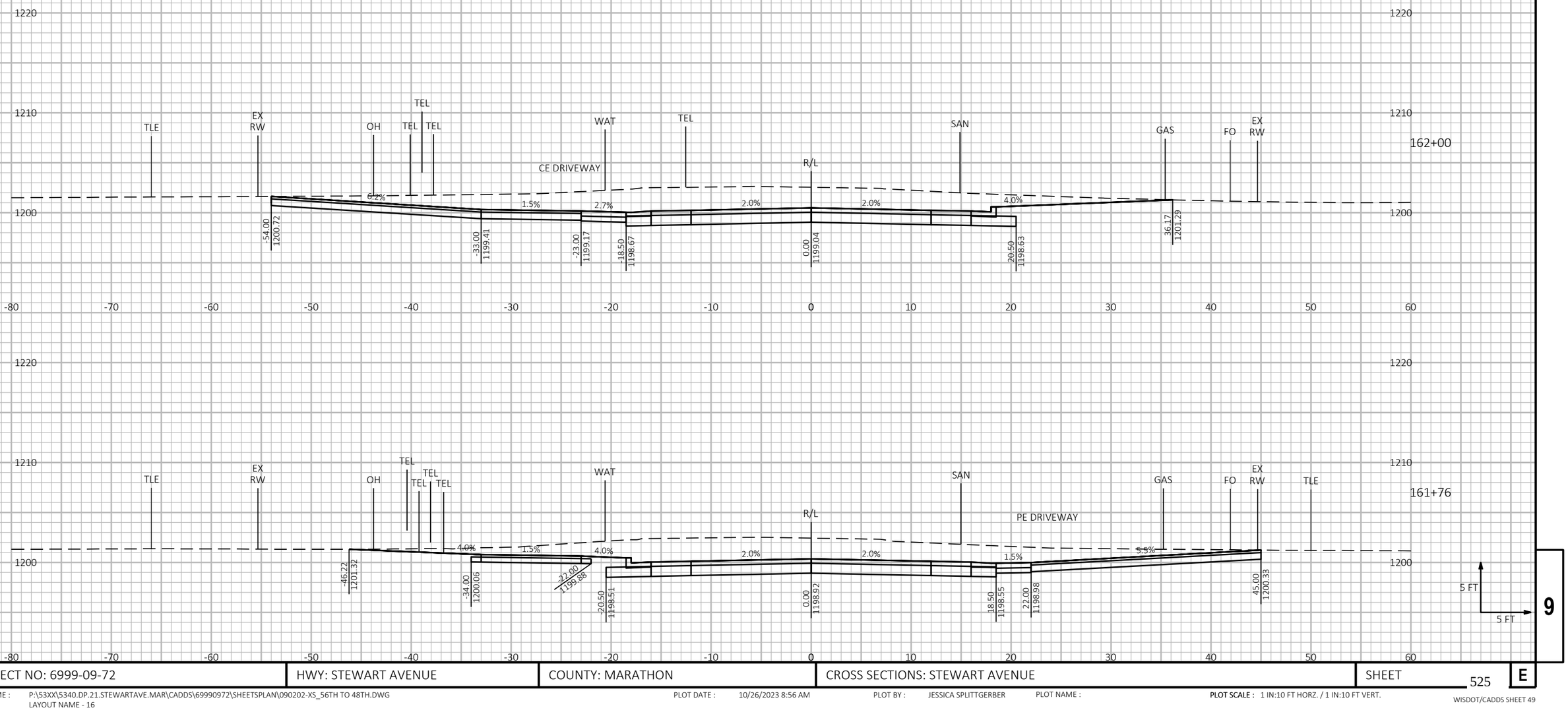
9 9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 524	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 15

PLOT DATE : 10/26/2023 8:56 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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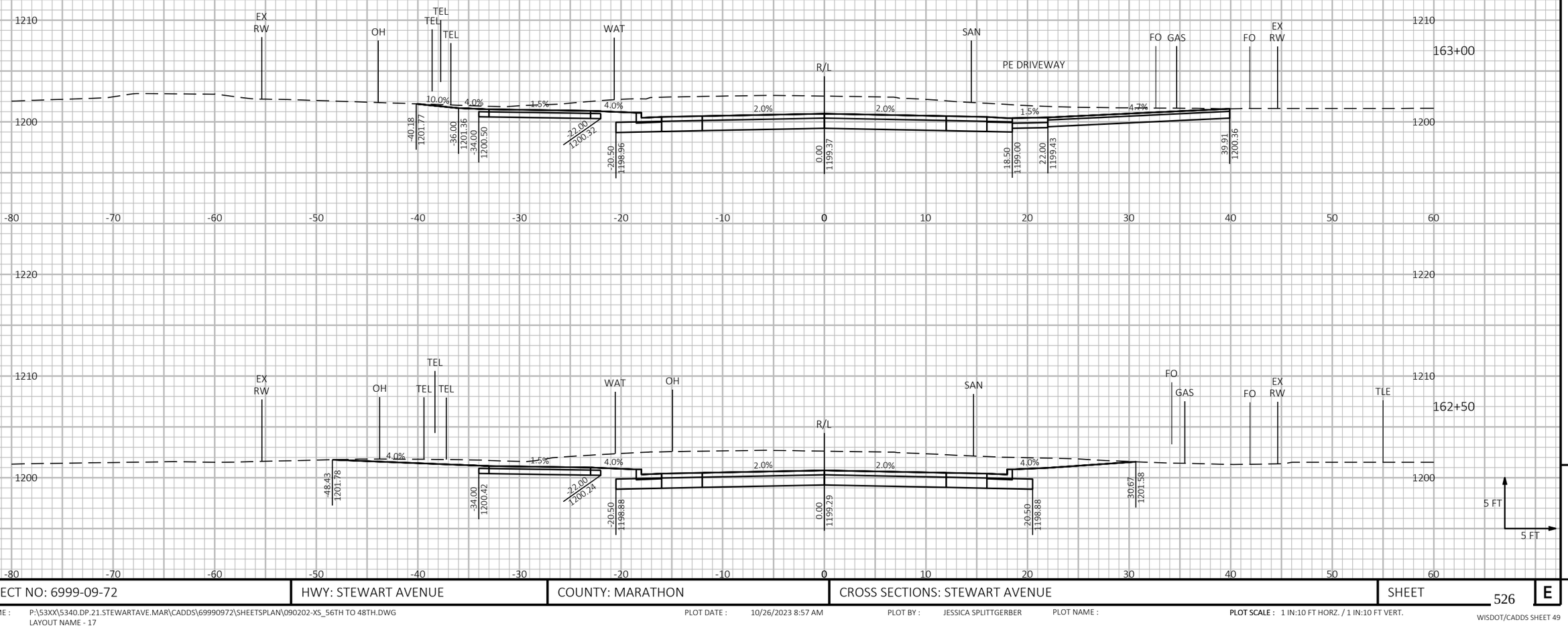
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 525	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 16

PLOT DATE : 10/26/2023 8:56 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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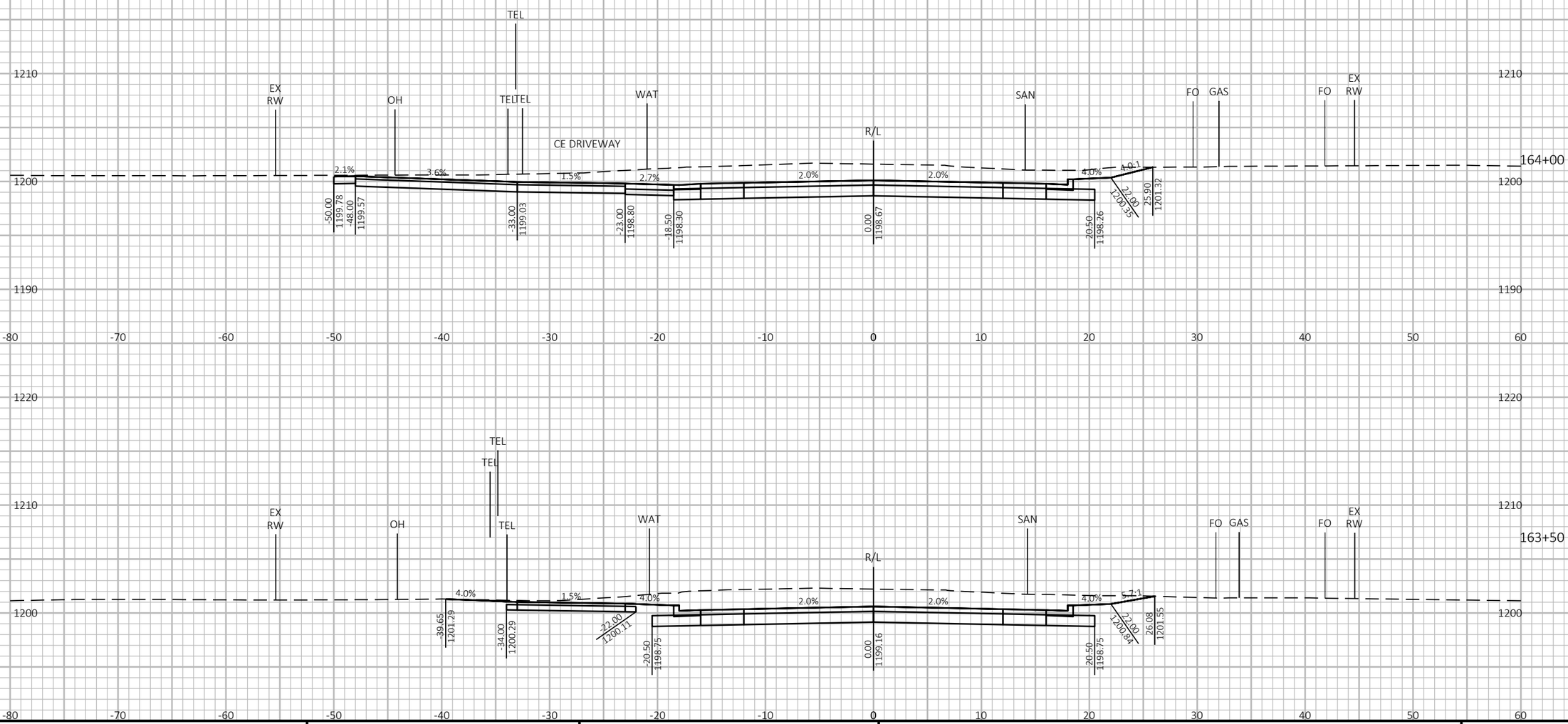
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 526	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 17

PLOT DATE : 10/26/2023 8:57 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

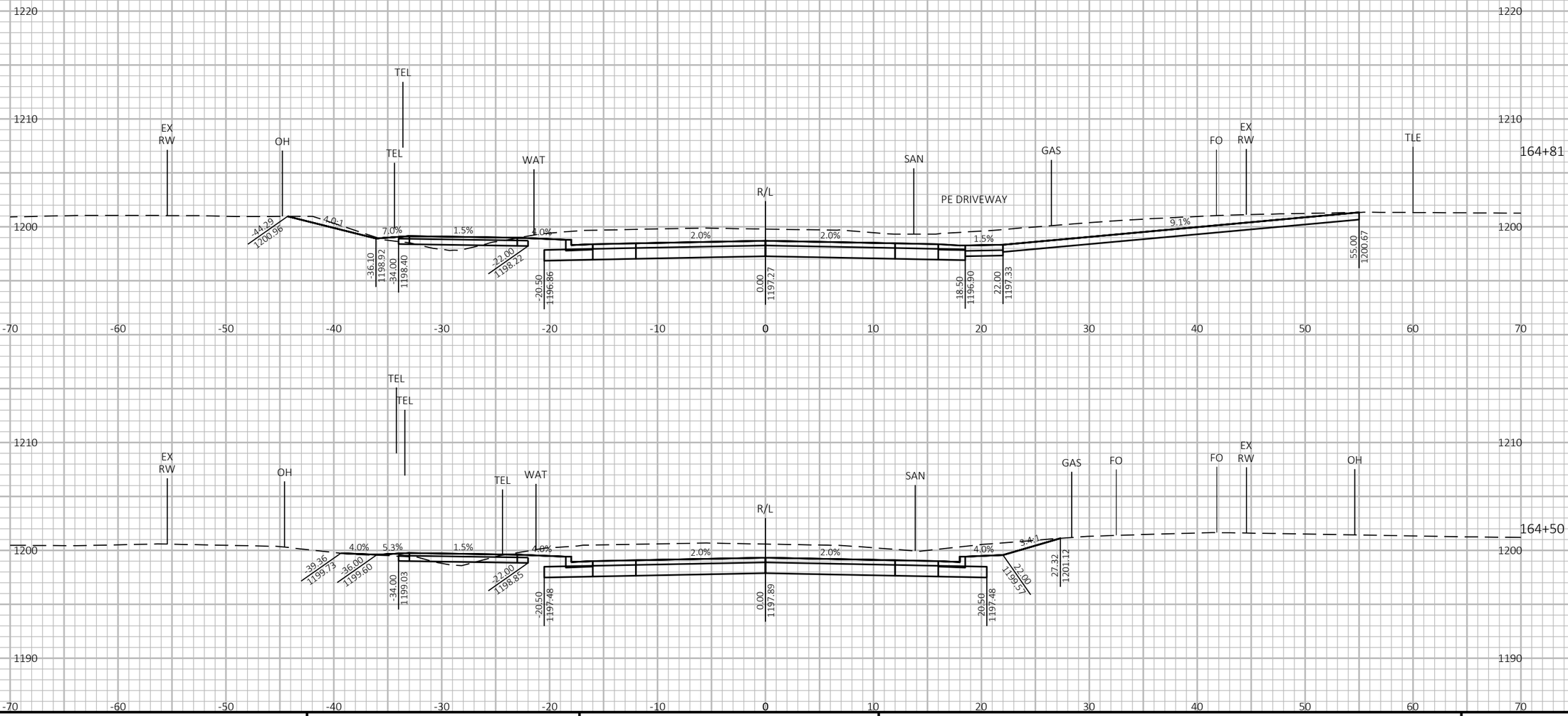


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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 527	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 18

PLOT DATE : 10/26/2023 8:57 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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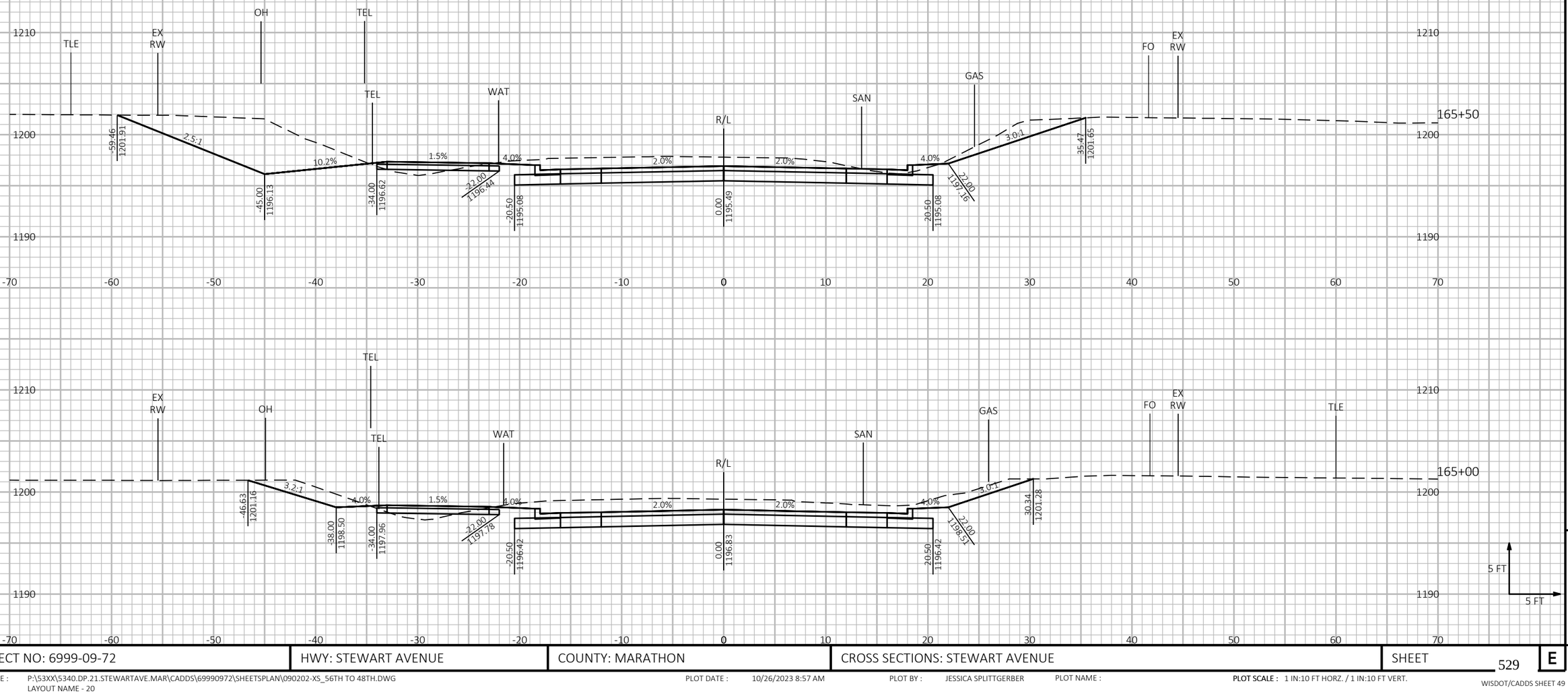
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 528	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 19

PLOT DATE : 10/26/2023 8:57 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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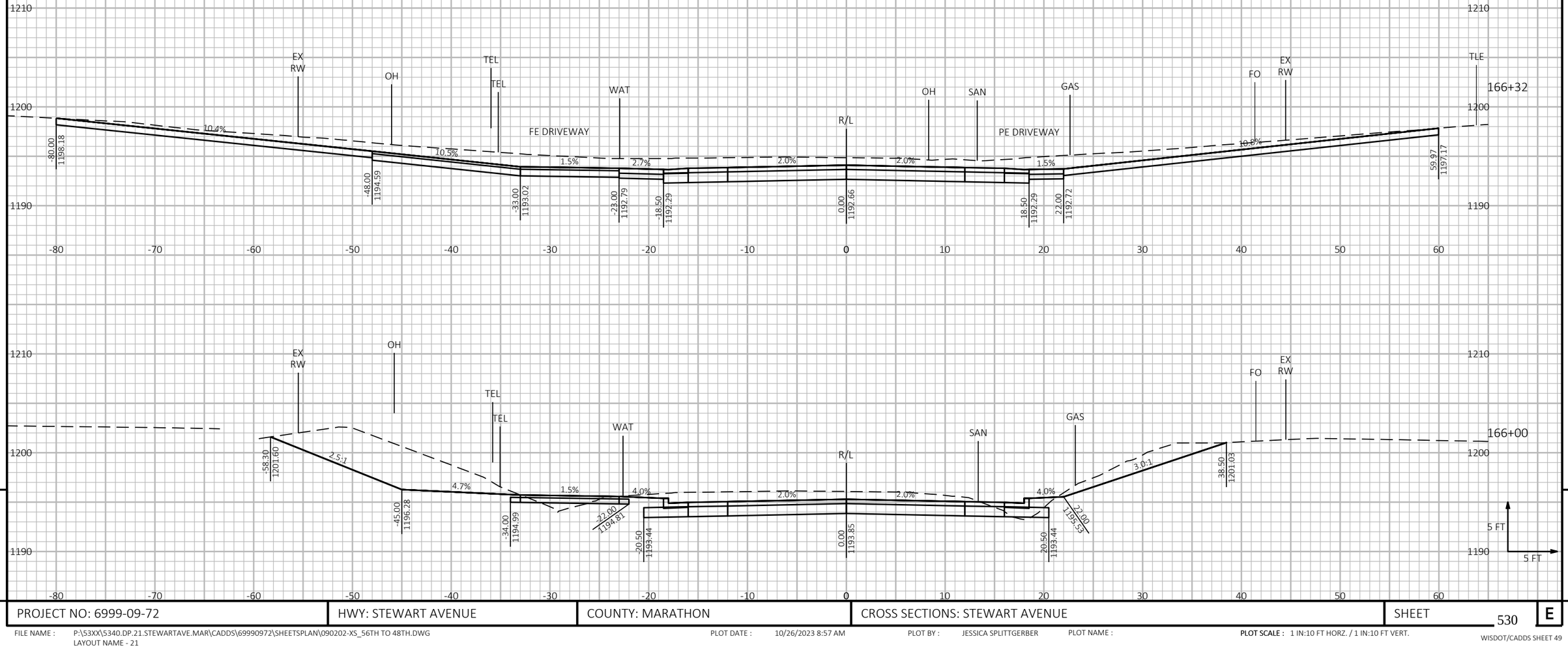
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 529	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 20

PLOT DATE : 10/26/2023 8:57 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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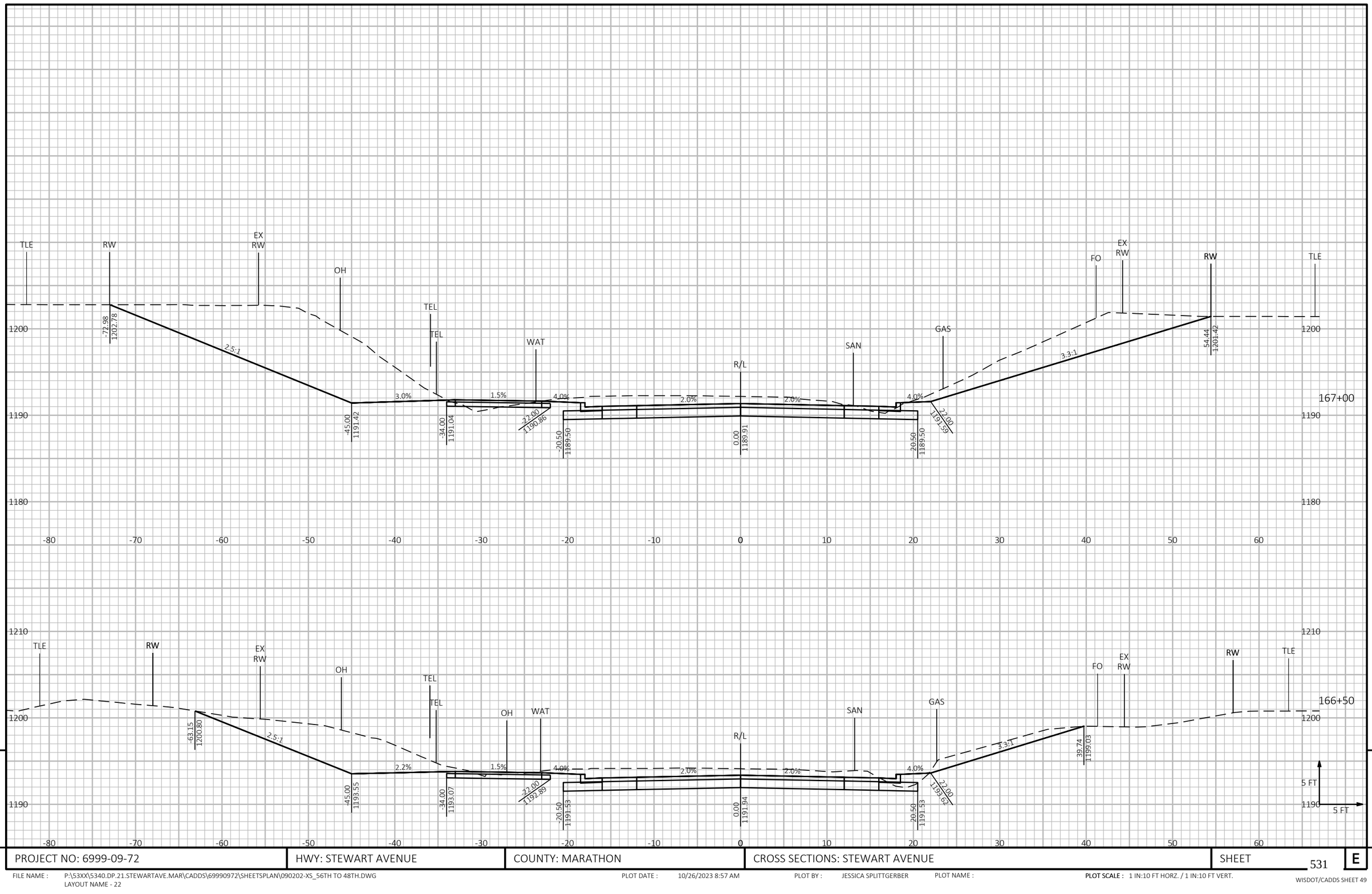
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 530	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 21

PLOT DATE : 10/26/2023 8:57 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

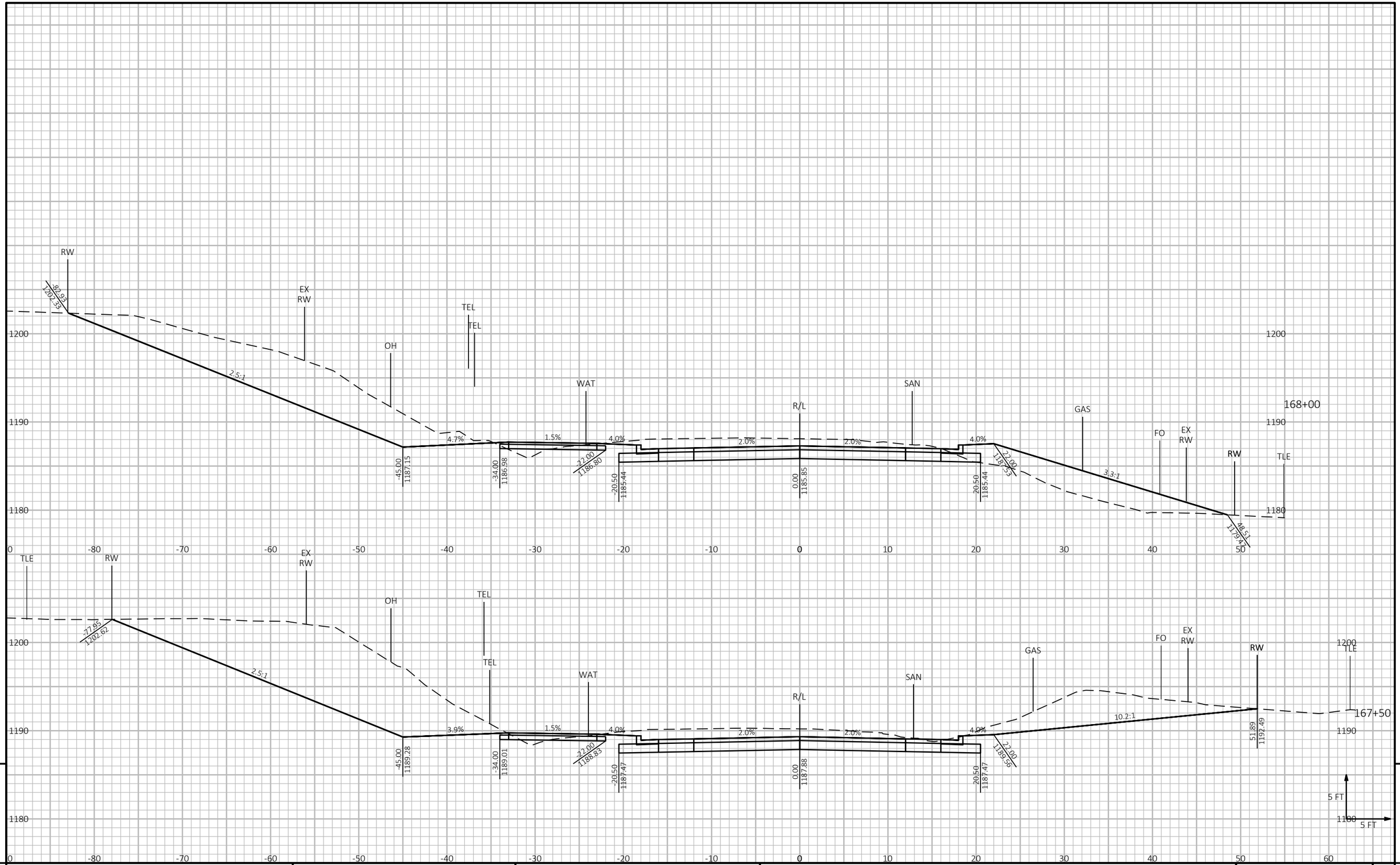


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 531	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 22

PLOT DATE : 10/26/2023 8:57 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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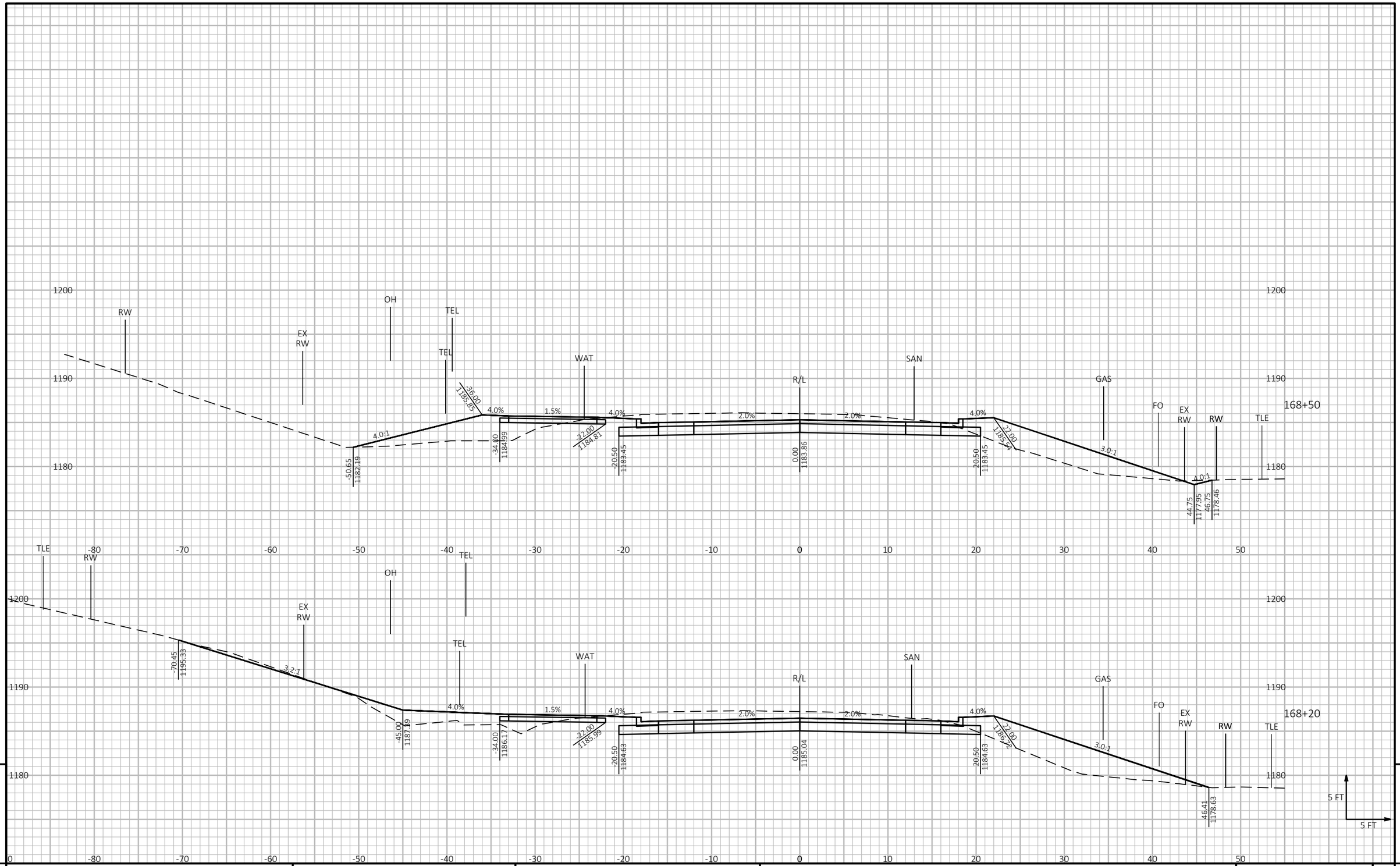
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 532	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 23

PLOT DATE : 10/26/2023 8:58 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

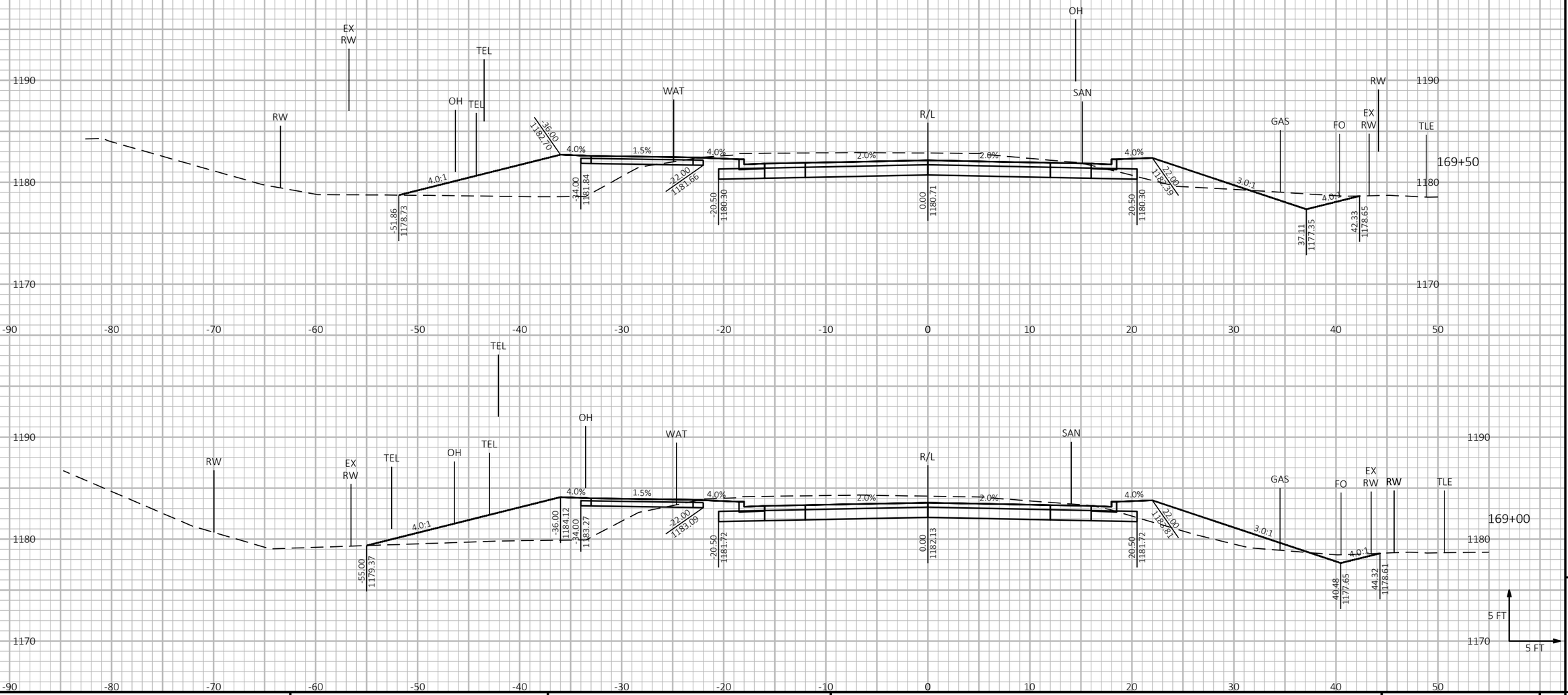


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 533	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 24

PLOT DATE : 10/26/2023 8:58 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

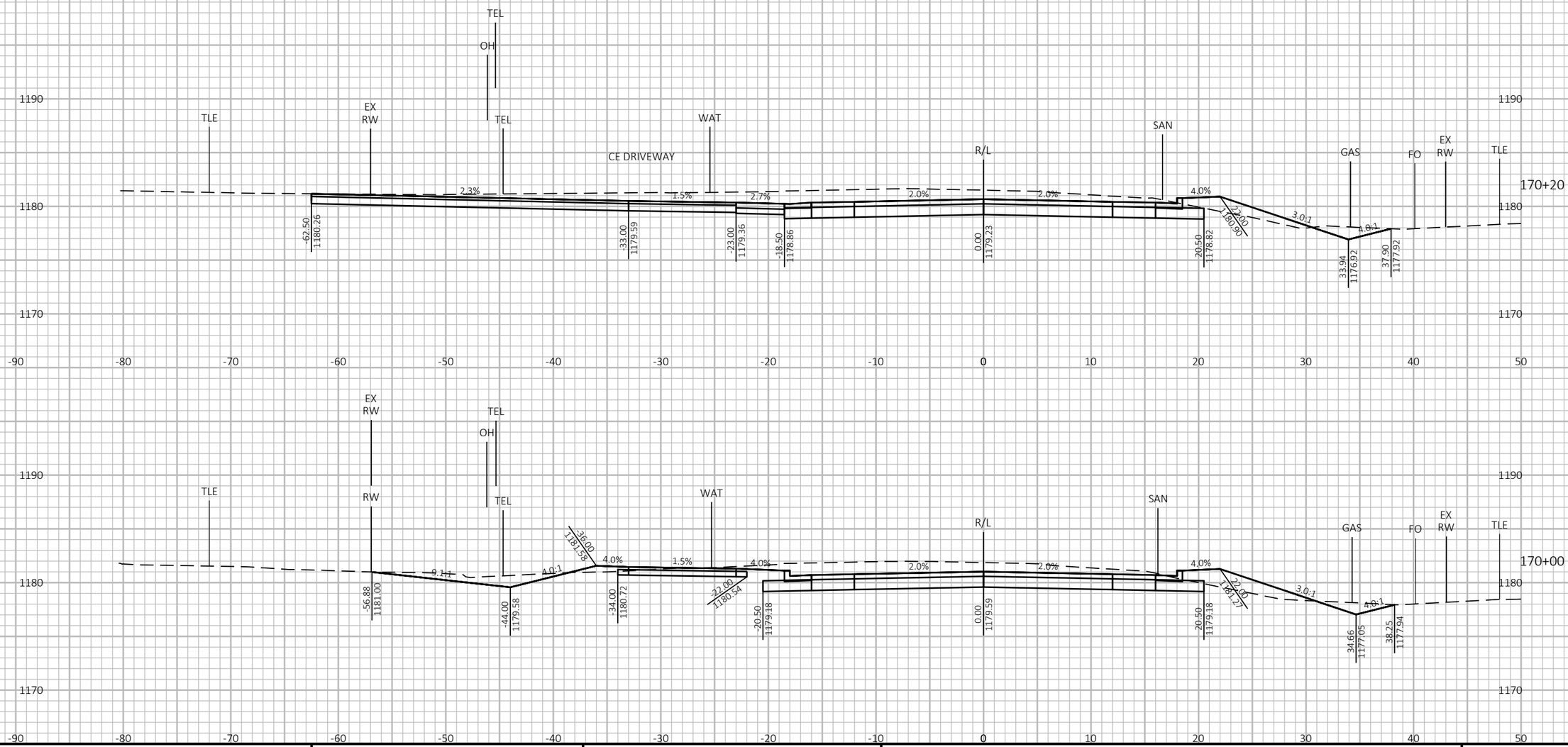


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 534	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 25

PLOT DATE : 10/26/2023 8:58 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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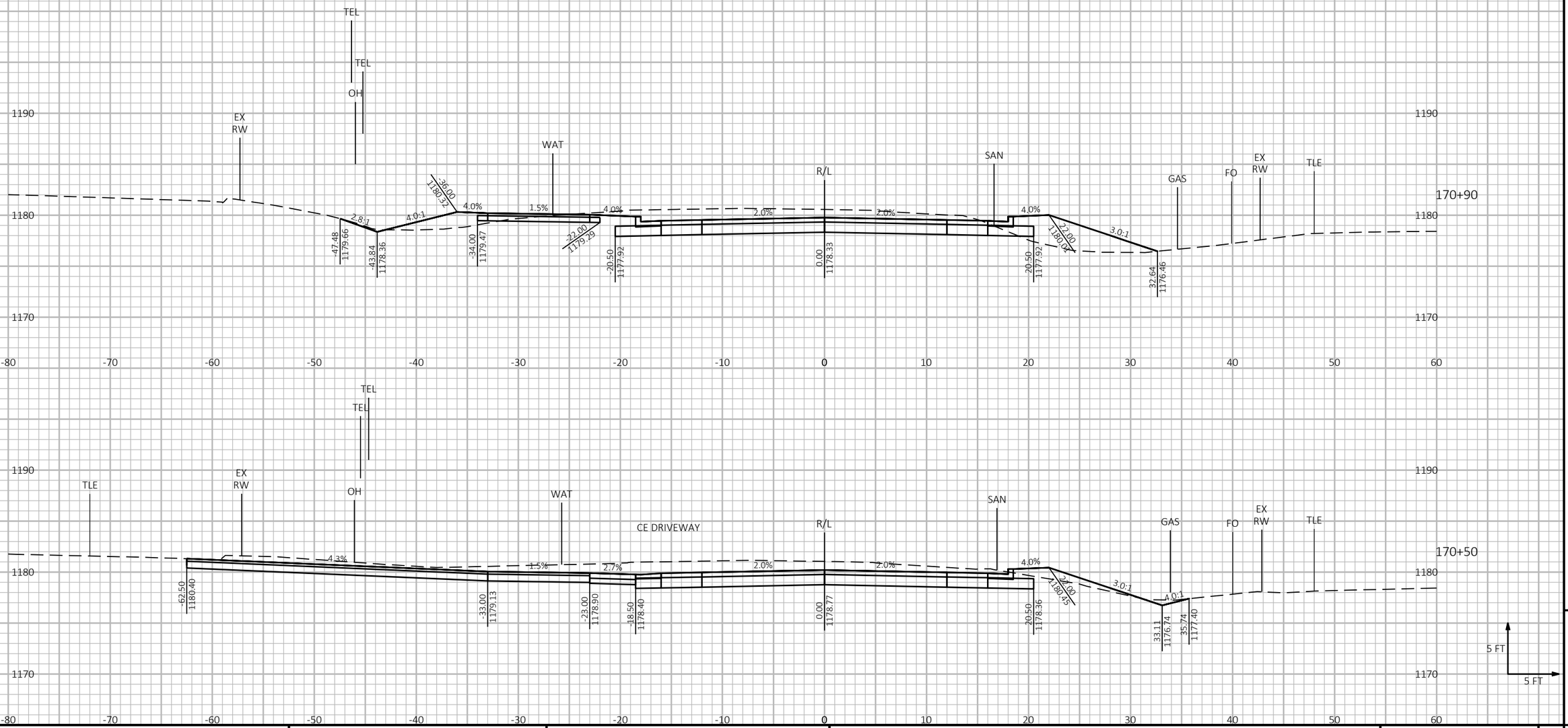
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 535	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 26

PLOT DATE : 10/26/2023 8:58 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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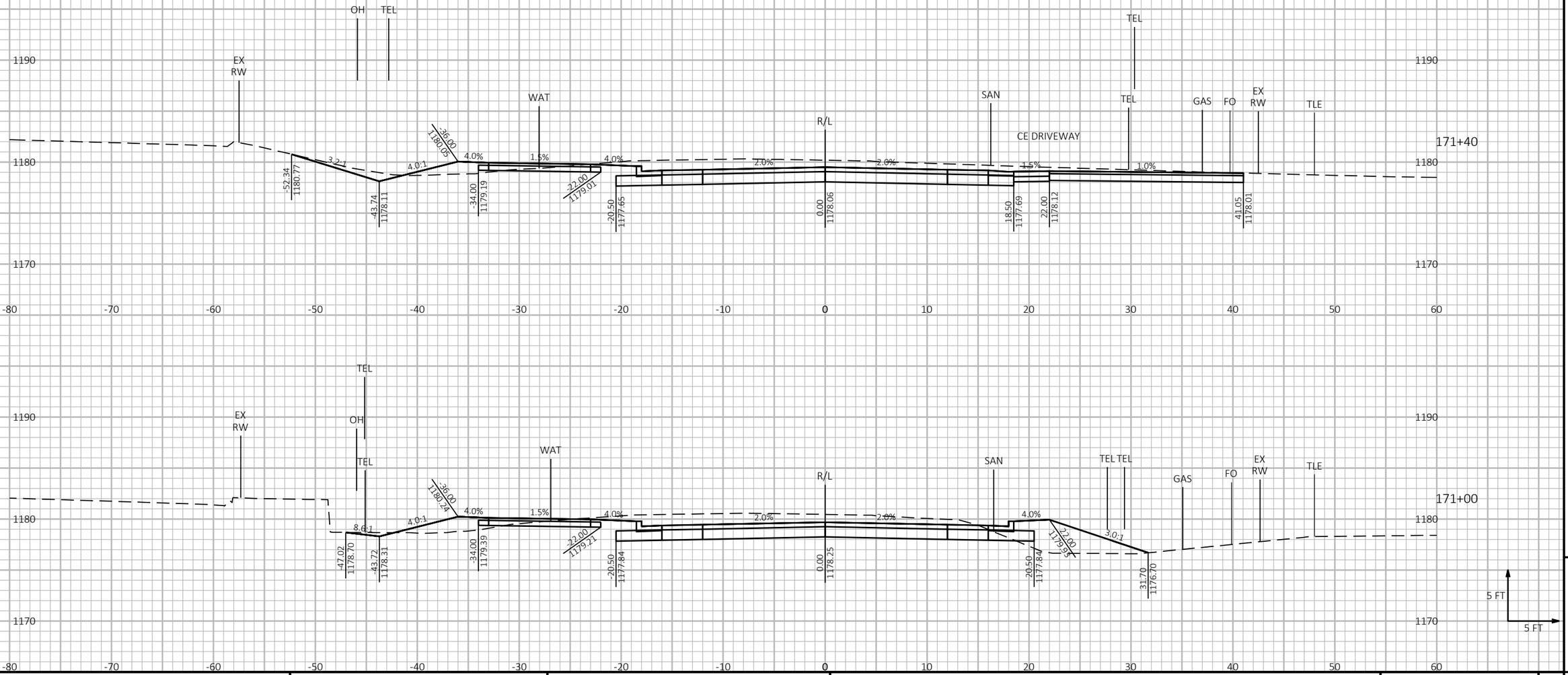
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 536	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 27

PLOT DATE : 10/26/2023 8:58 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

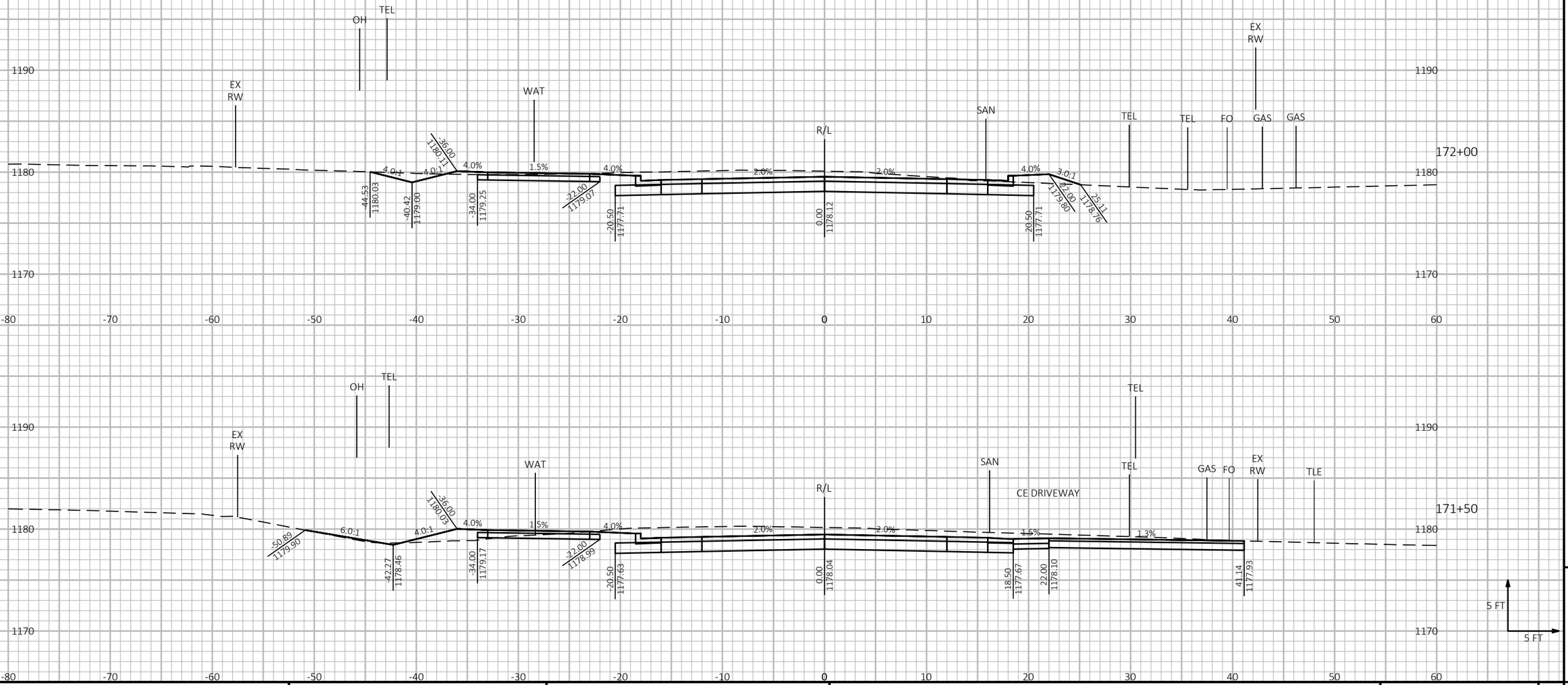


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 537	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 28

PLOT DATE : 10/26/2023 8:58 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

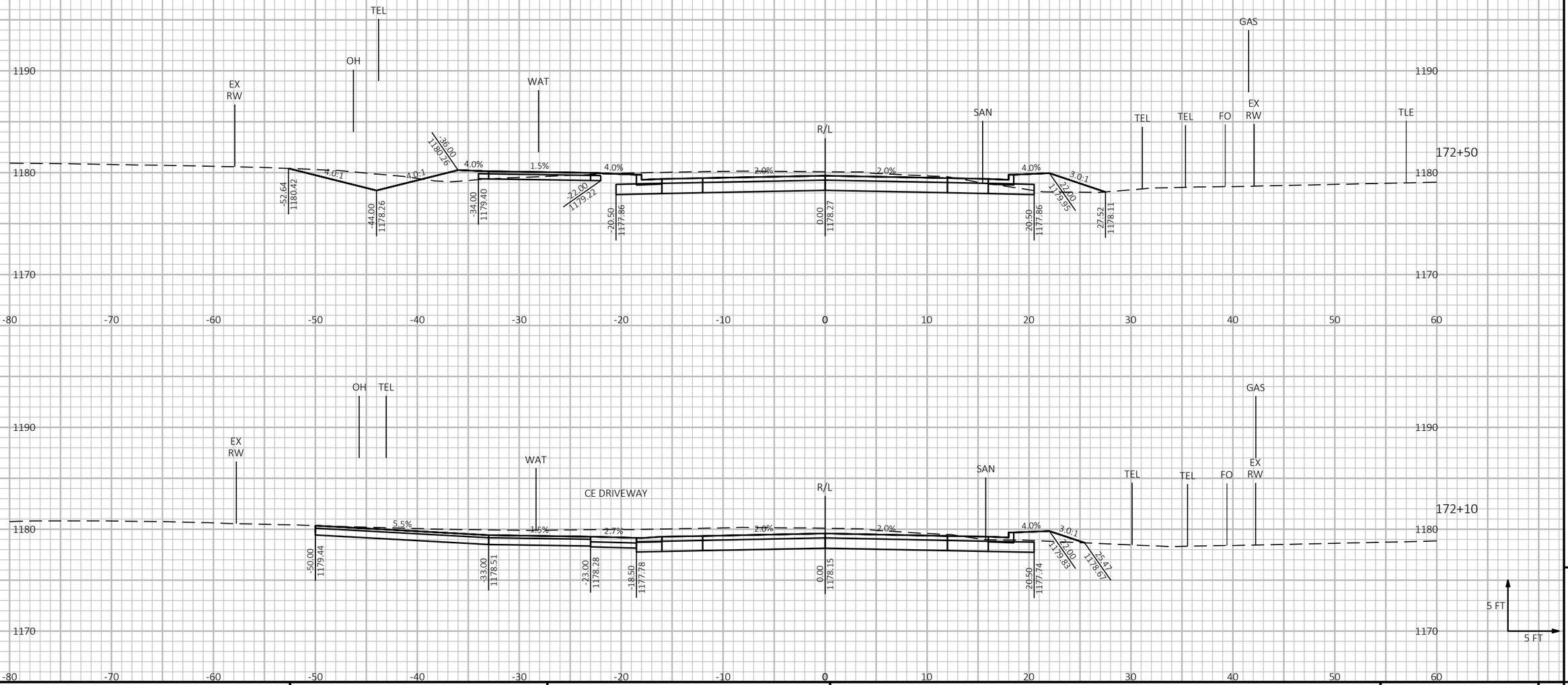
9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 538	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 29

PLOT DATE : 10/26/2023 8:59 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

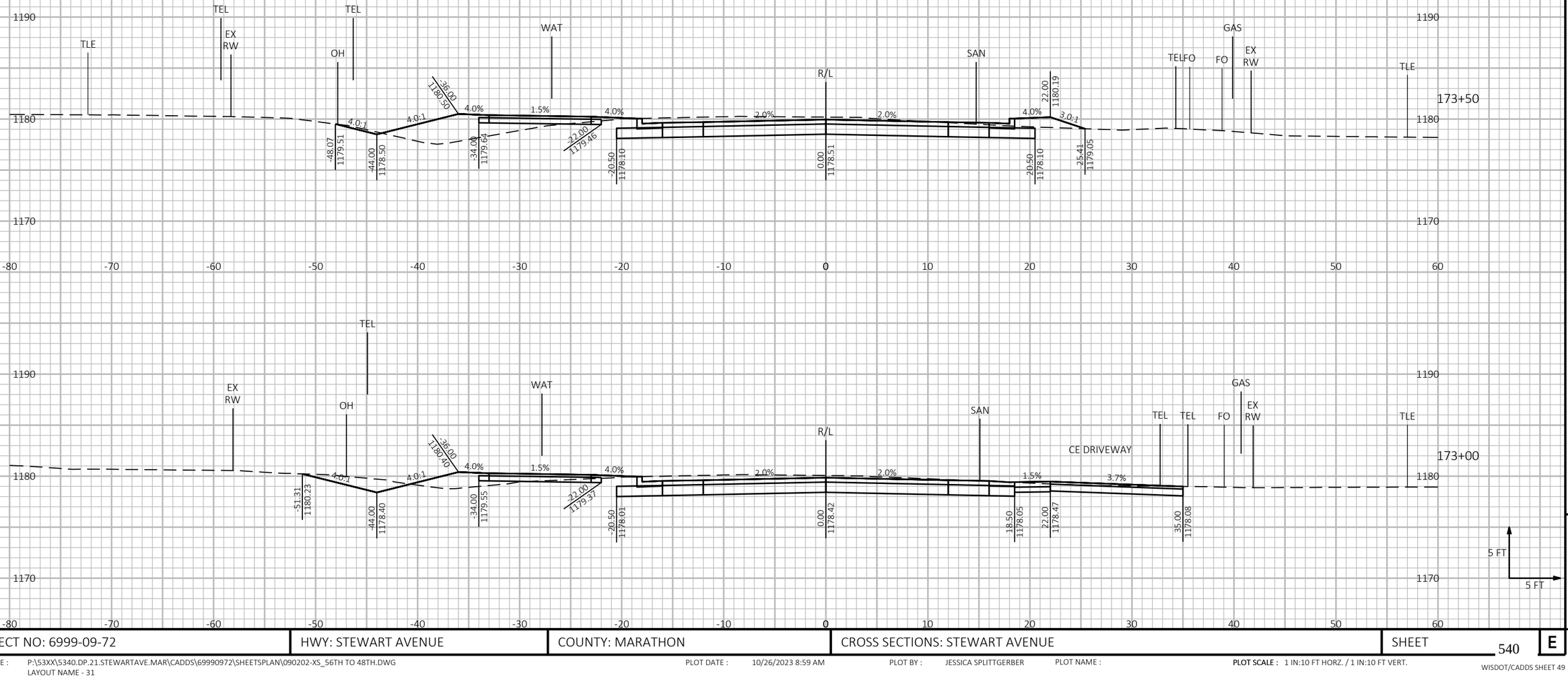


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 539	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 30

PLOT DATE : 10/26/2023 8:59 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



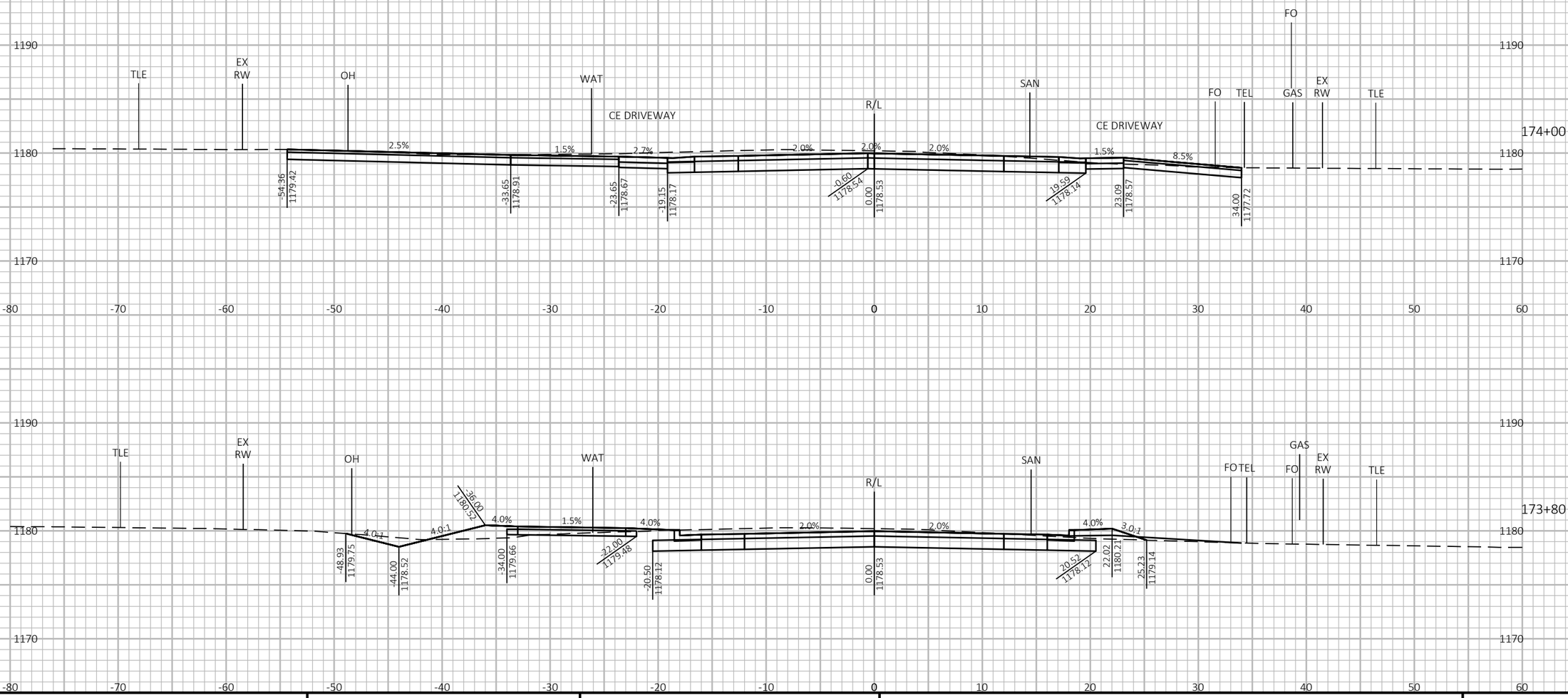
9 9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 540	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 31

PLOT DATE : 10/26/2023 8:59 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



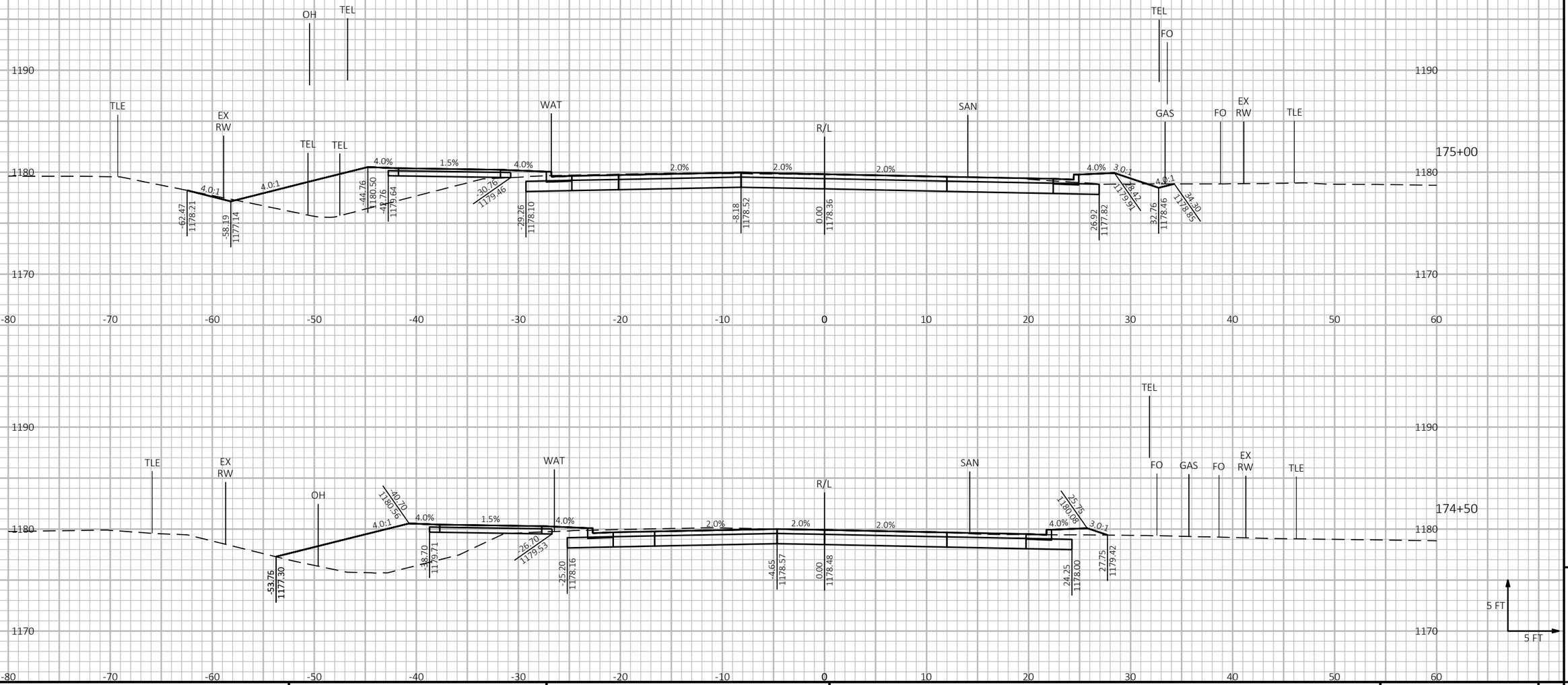
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 541	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 32

PLOT DATE : 10/26/2023 8:59 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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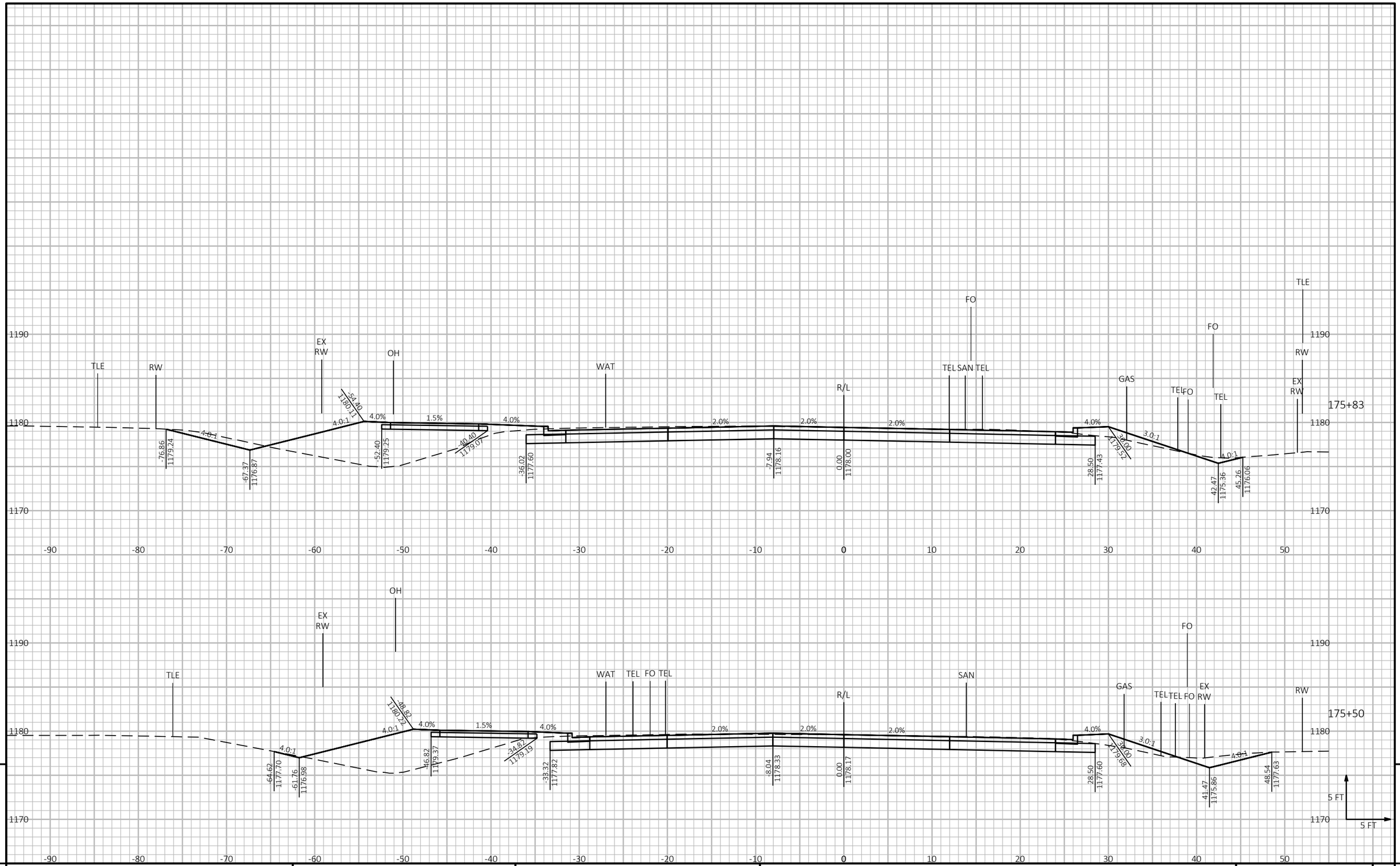
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 542	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 33

PLOT DATE : 10/26/2023 8:59 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



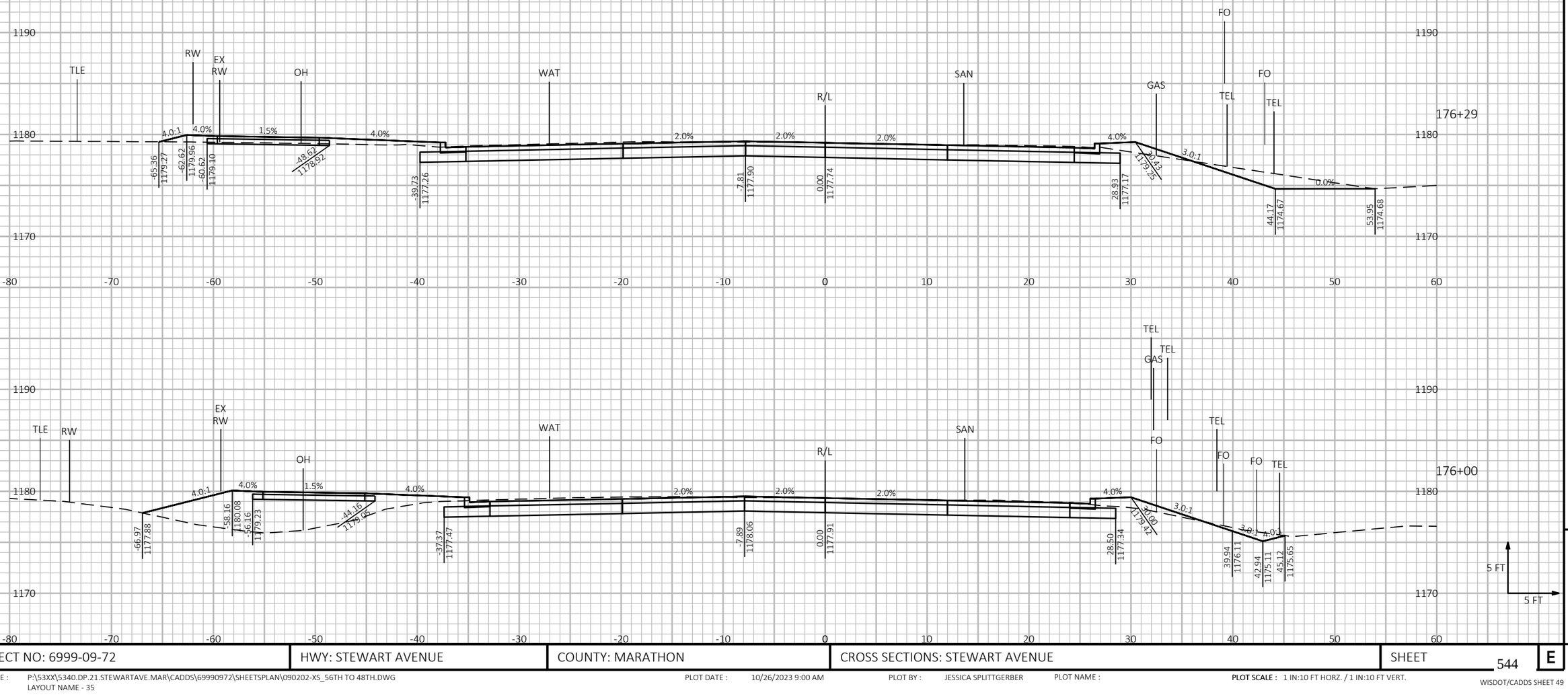
9 9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 543	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 34

PLOT DATE : 10/26/2023 8:59 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

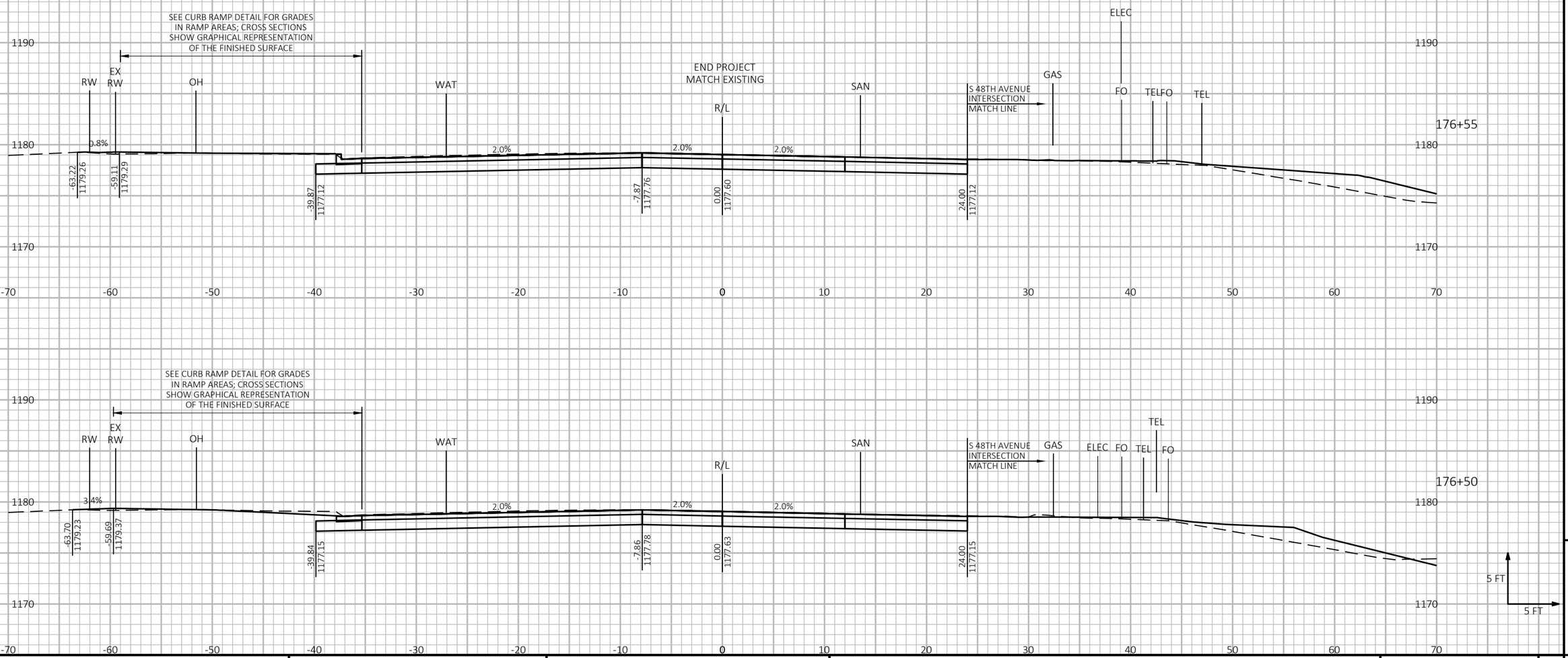
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 544	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 35

PLOT DATE : 10/26/2023 9:00 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

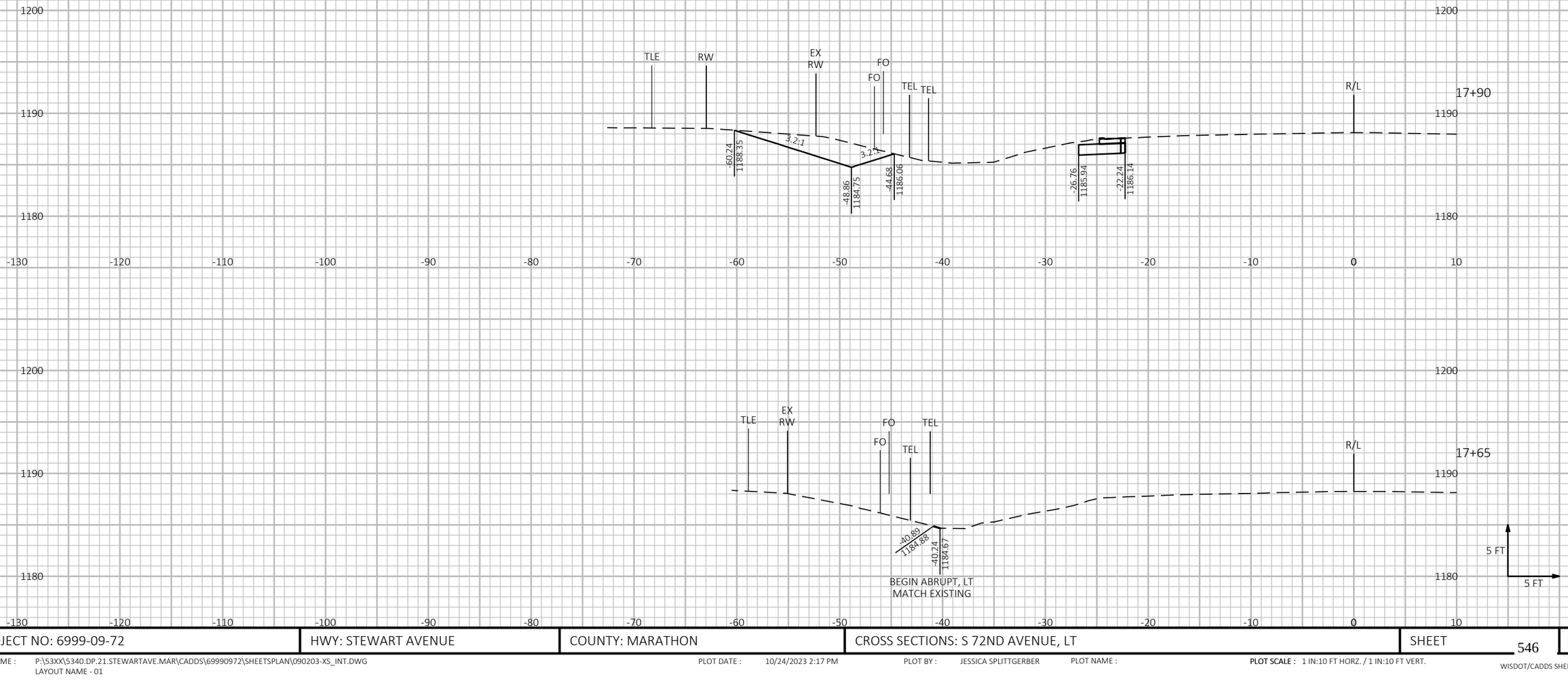
WISDOT/CADDS SHEET 49



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: STEWART AVENUE	SHEET 545	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090202-XS_56TH TO 48TH.DWG
LAYOUT NAME - 36

PLOT DATE : 10/26/2023 9:00 AM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



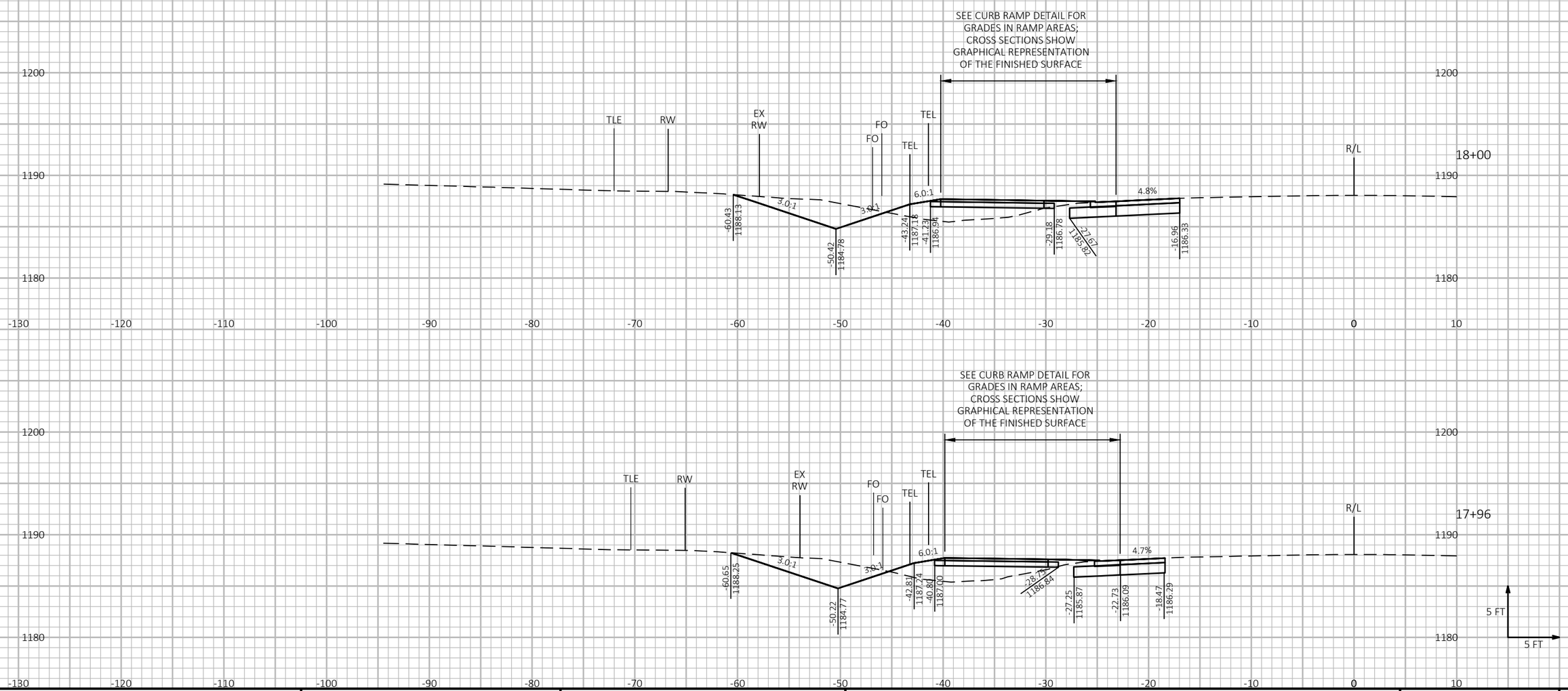
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 72ND AVENUE, LT	SHEET 546	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 01

PLOT DATE : 10/24/2023 2:17 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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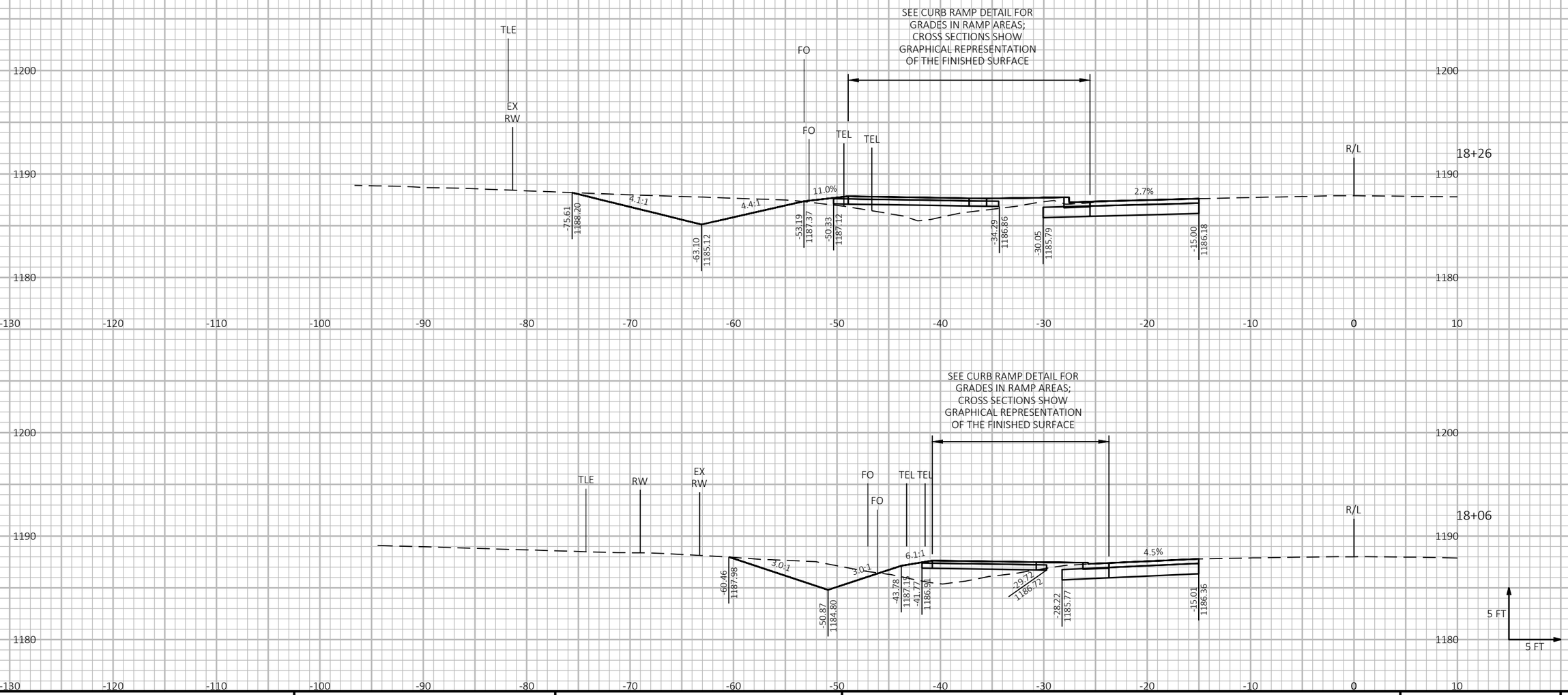
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 72ND AVENUE, LT	SHEET 547	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 02

PLOT DATE : 10/24/2023 2:17 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 72ND AVENUE, LT	SHEET 548	E

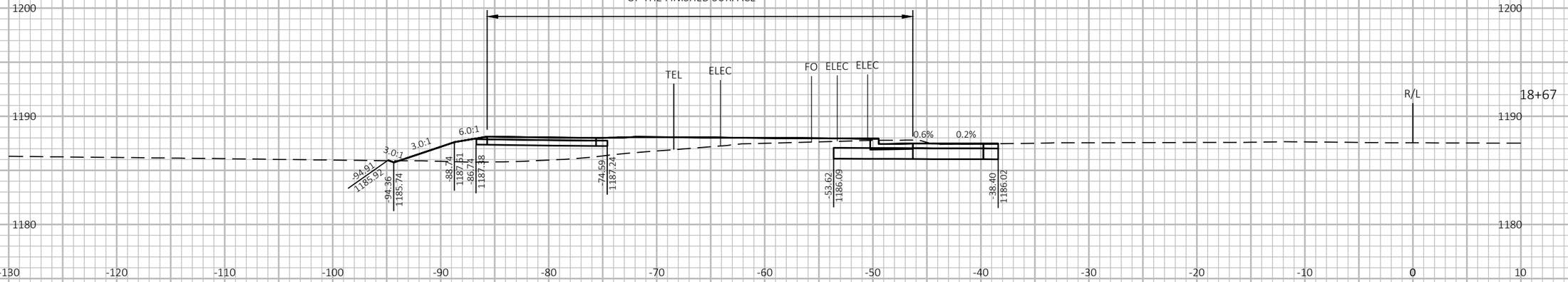
FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 02 (2)

PLOT DATE : 10/24/2023 2:17 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

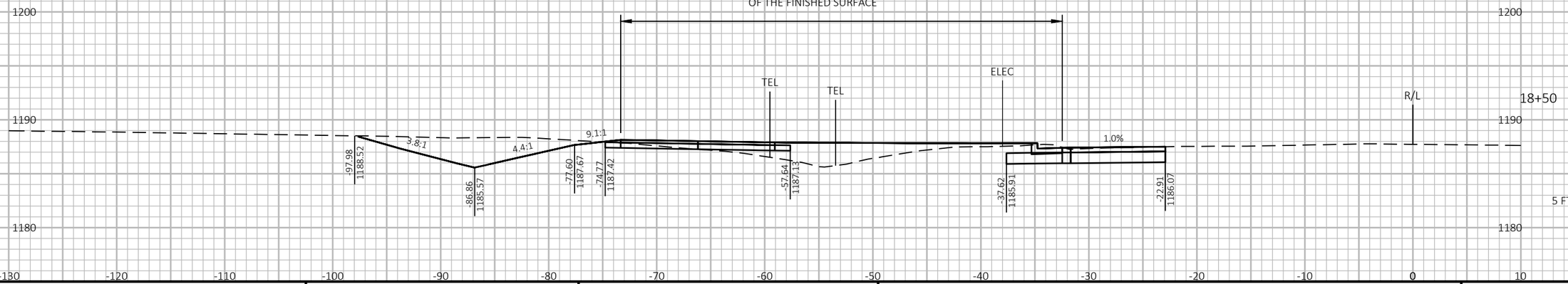
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

SEE CURB RAMP DETAIL FOR GRADES IN RAMP AREAS; CROSS SECTIONS SHOW GRAPHICAL REPRESENTATION OF THE FINISHED SURFACE



SEE CURB RAMP DETAIL FOR GRADES IN RAMP AREAS; CROSS SECTIONS SHOW GRAPHICAL REPRESENTATION OF THE FINISHED SURFACE



9

9

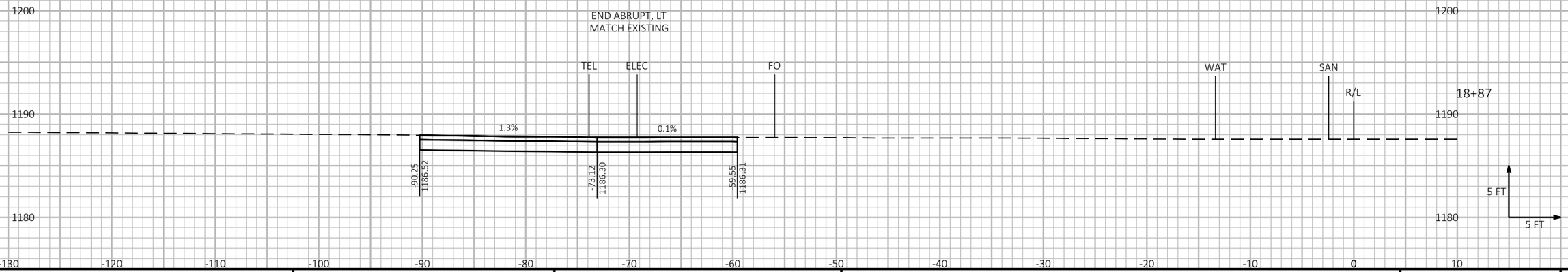
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 72ND AVENUE, LT	SHEET 549	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 02 (3)

PLOT DATE : 10/24/2023 2:17 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

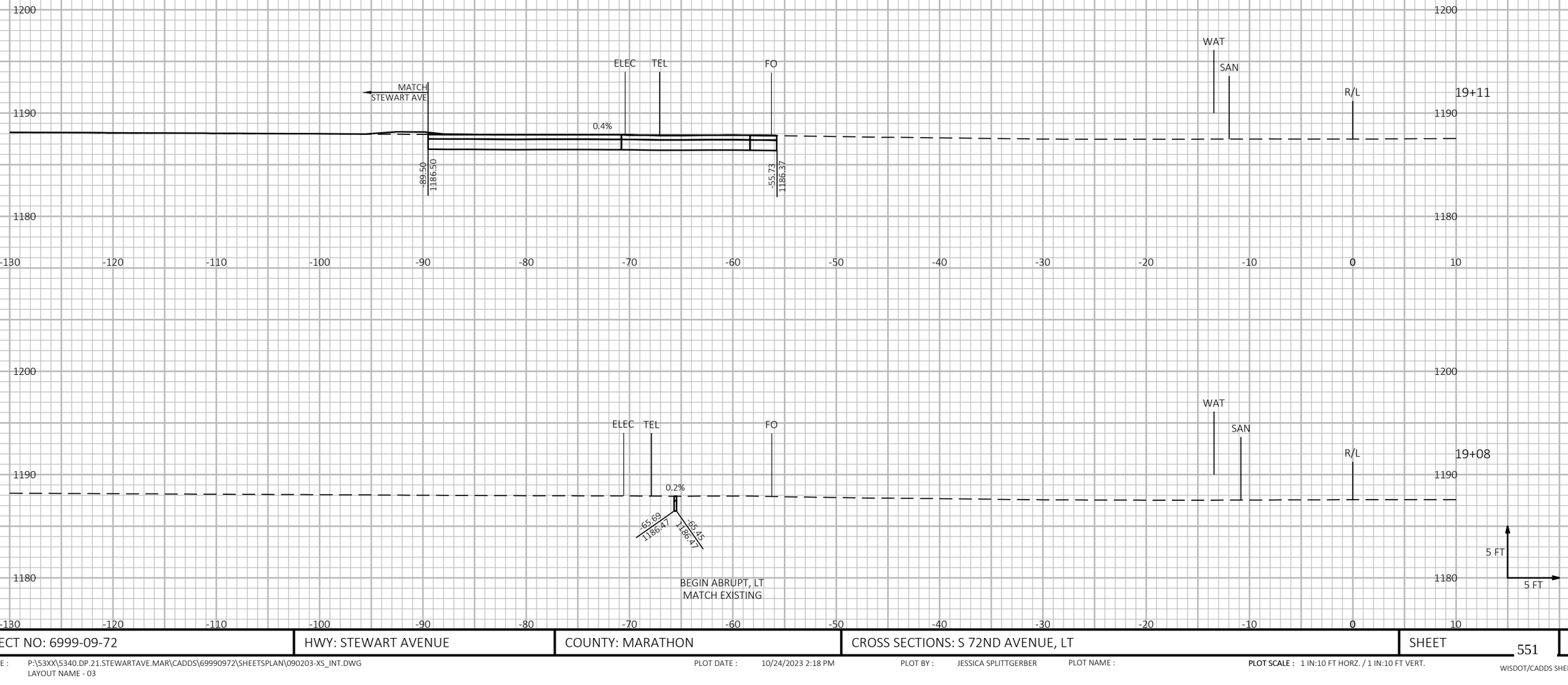
WISDOT/CADDS SHEET 49



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 72ND AVENUE, LT	SHEET 550	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 02 (4)

PLOT DATE : 10/24/2023 2:18 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

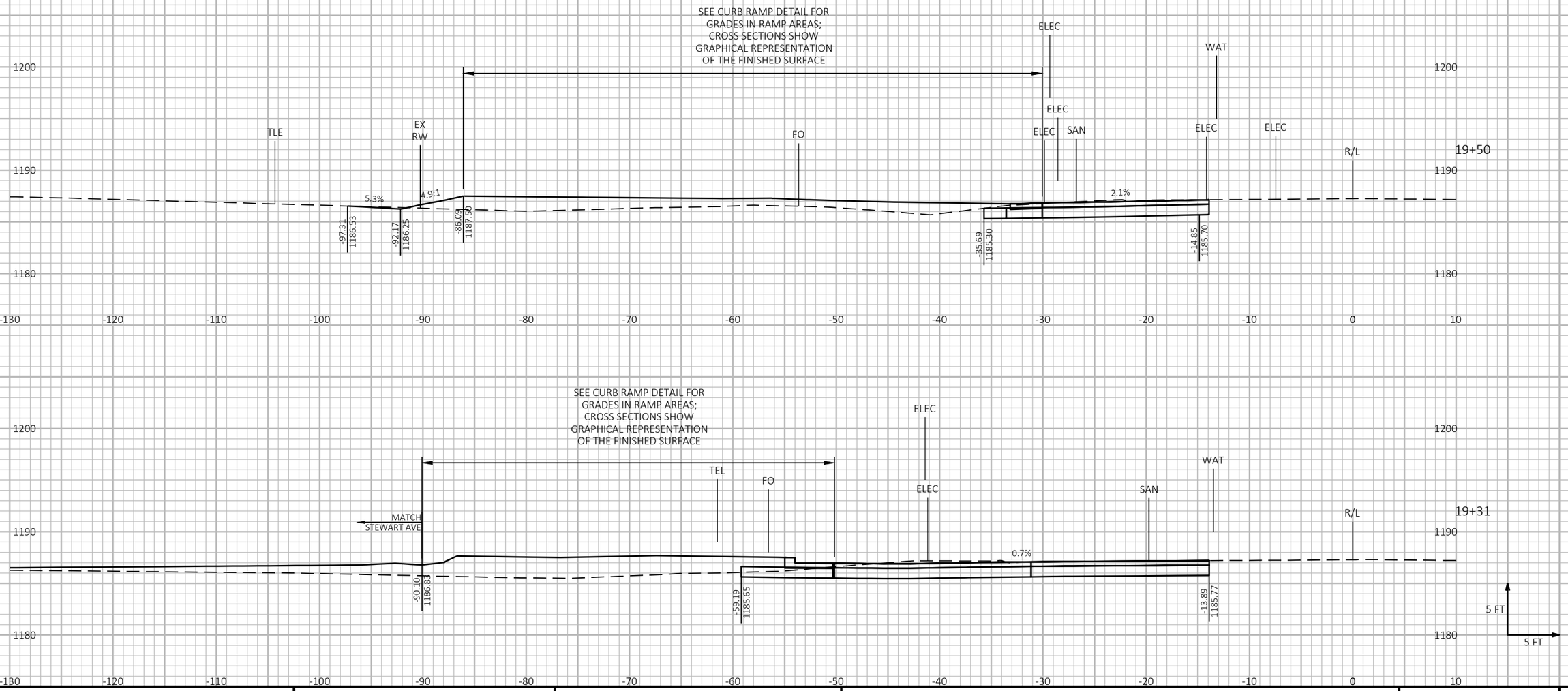
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 72ND AVENUE, LT	SHEET 551	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 03

PLOT DATE : 10/24/2023 2:18 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

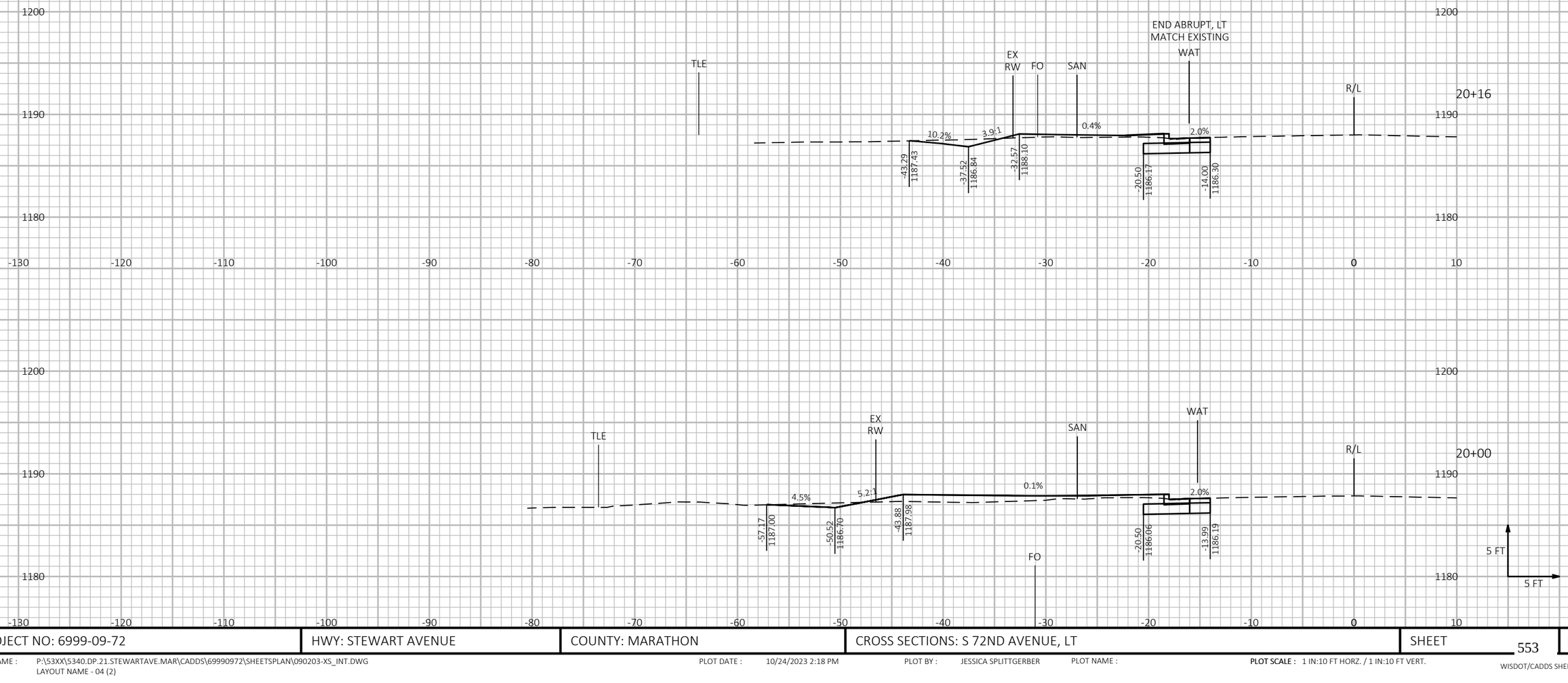
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 72ND AVENUE, LT	SHEET 552	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 04

PLOT DATE : 10/24/2023 2:18 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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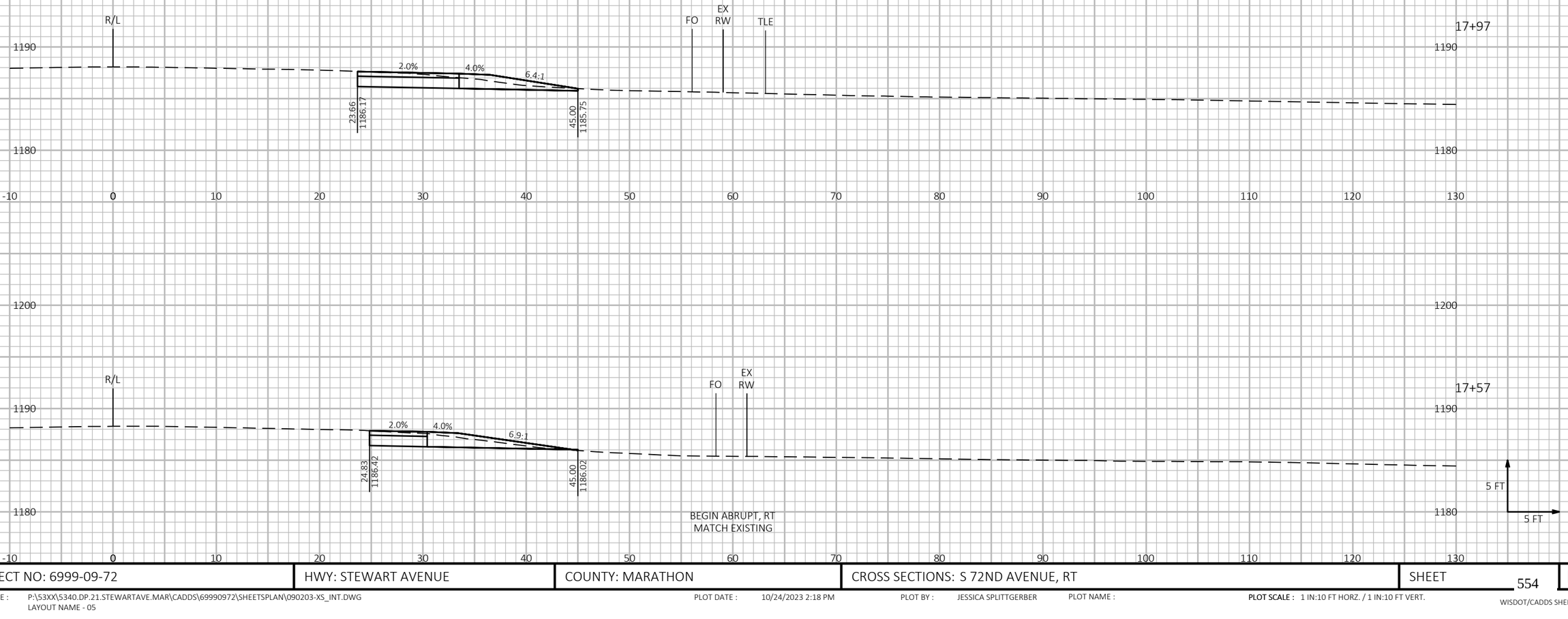
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 72ND AVENUE, LT	SHEET 553	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 04 (2)

PLOT DATE : 10/24/2023 2:18 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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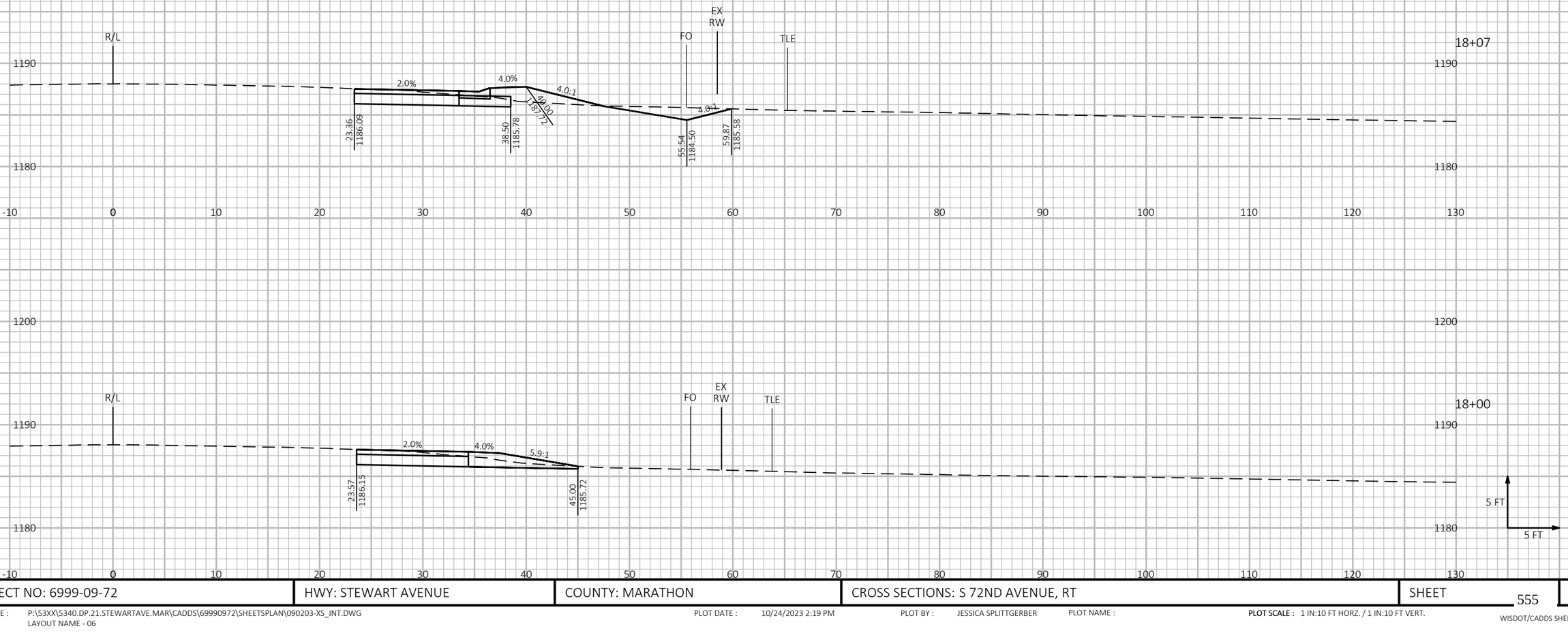
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 72ND AVENUE, RT	SHEET 554	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 05

PLOT DATE : 10/24/2023 2:18 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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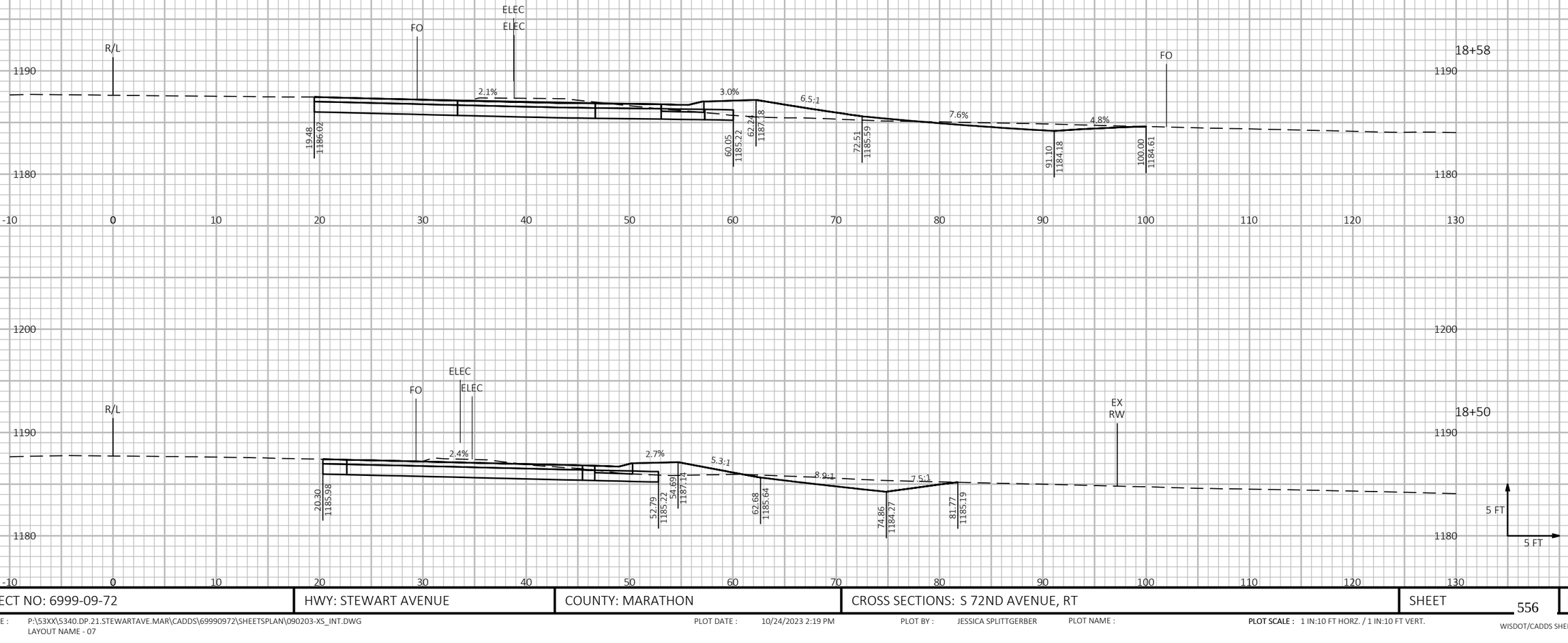
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 72ND AVENUE, RT	SHEET 555	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 06

PLOT DATE : 10/24/2023 2:19 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

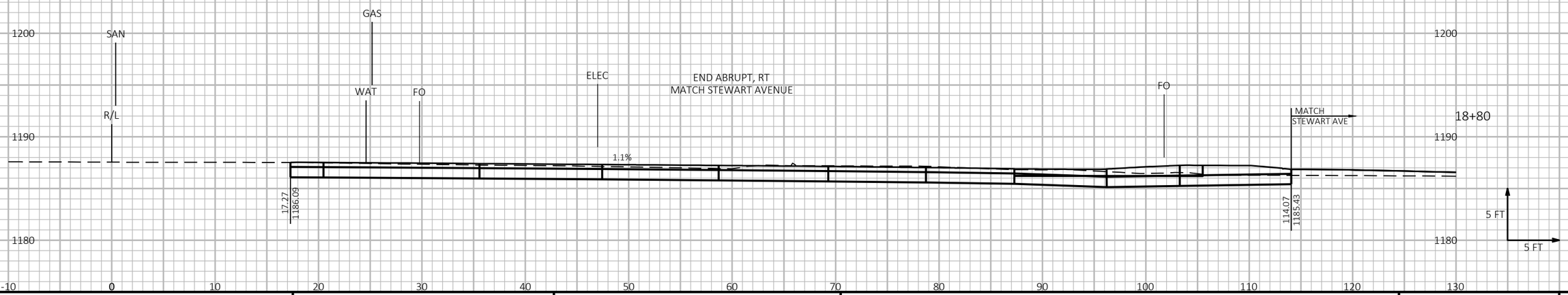
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 72ND AVENUE, RT	SHEET 556	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 07

PLOT DATE : 10/24/2023 2:19 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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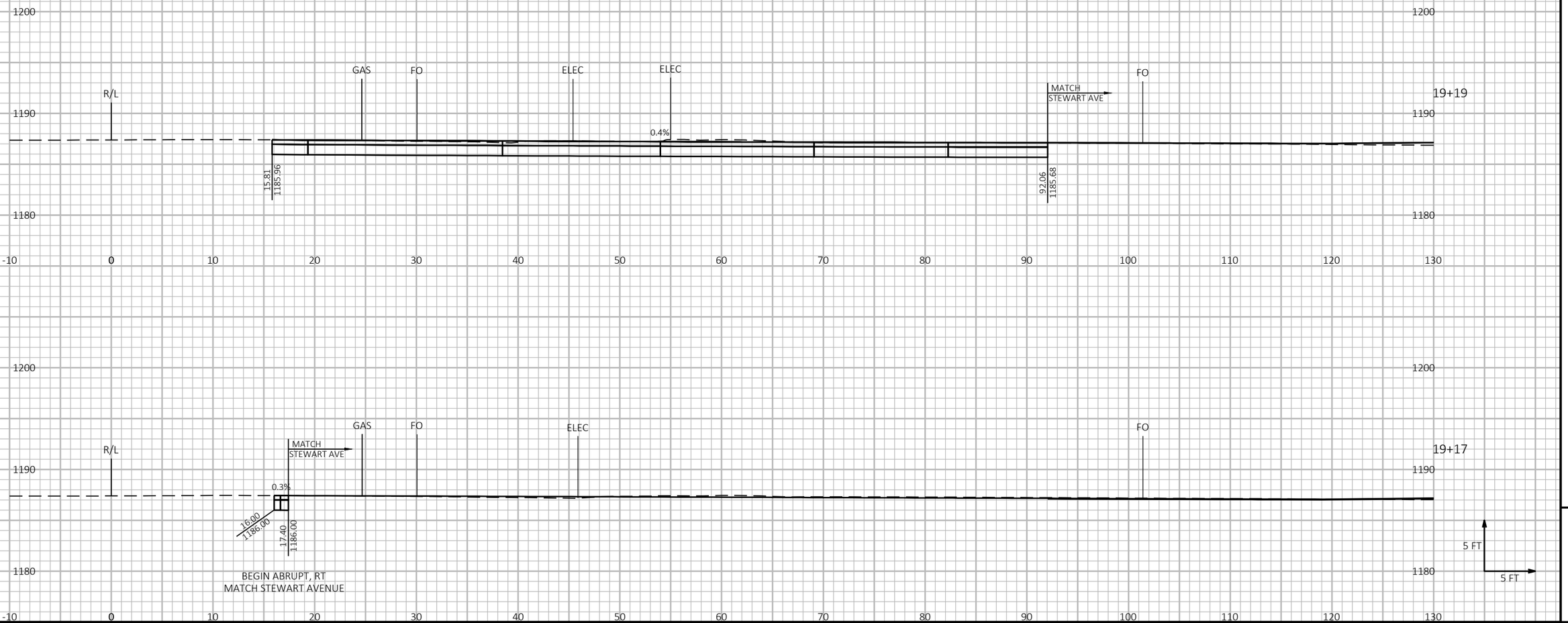
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 72ND AVENUE, RT	SHEET 557	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 08

PLOT DATE : 10/24/2023 2:19 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

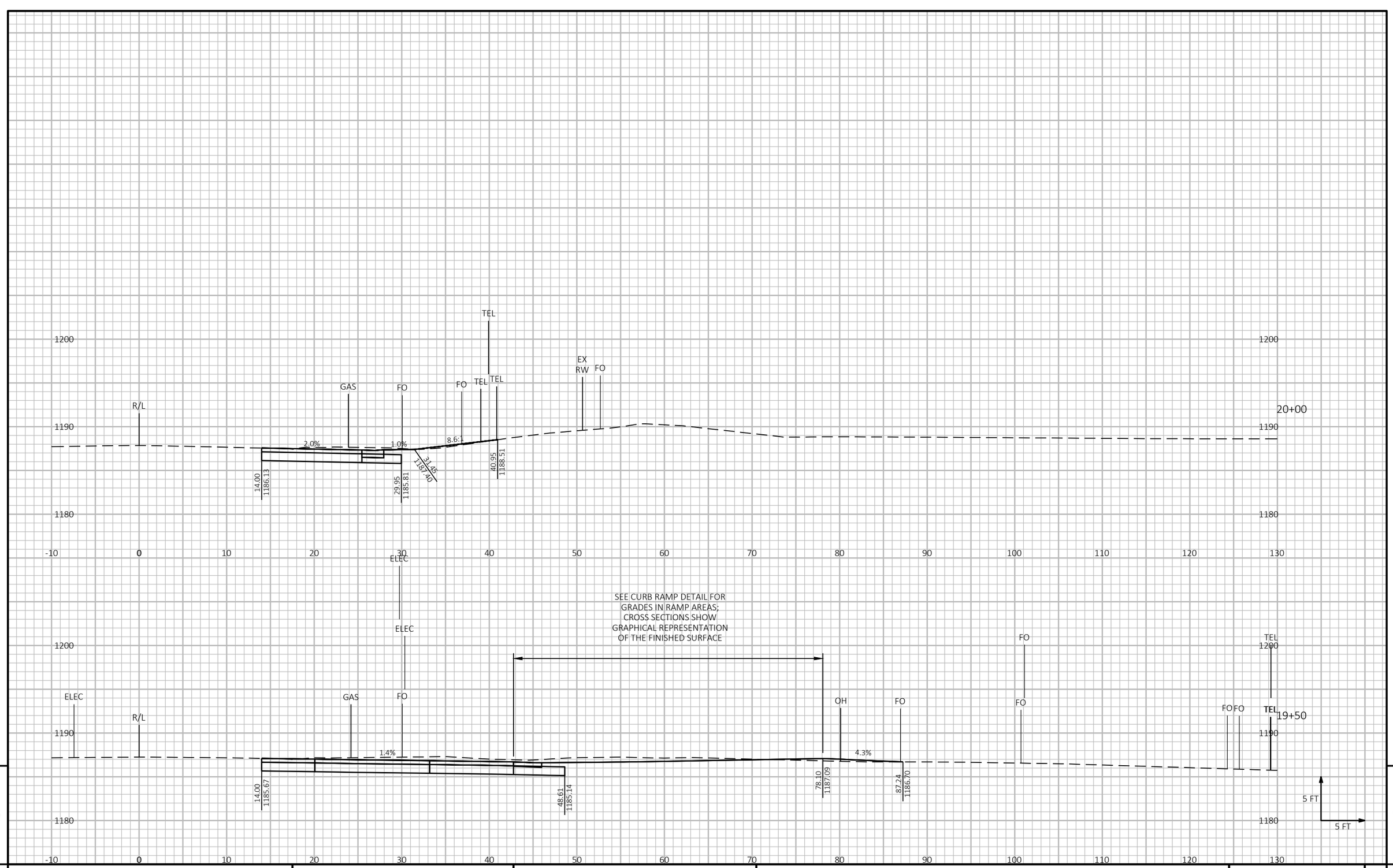
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 72ND AVENUE, RT	SHEET 558	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 09

PLOT DATE : 10/24/2023 2:19 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

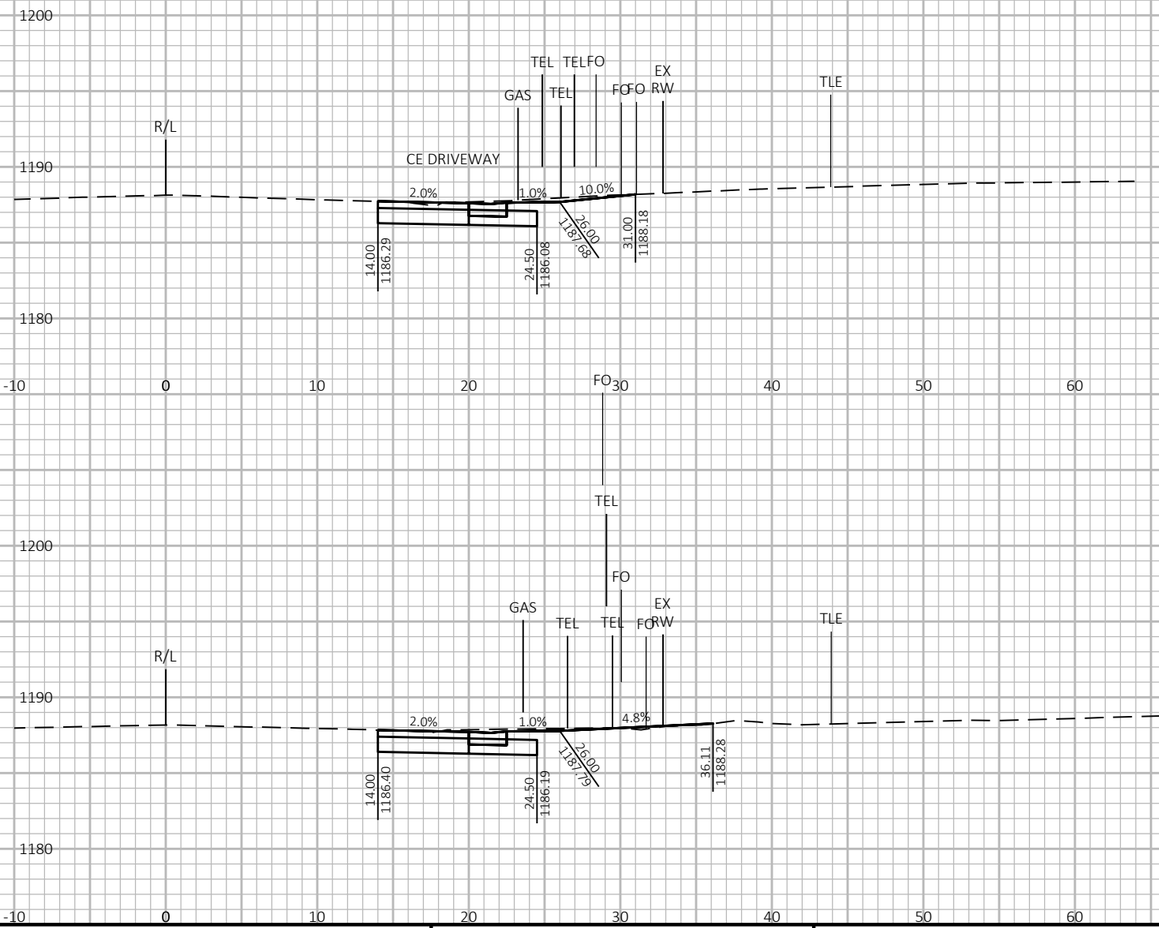
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 72ND AVENUE, RT	SHEET 559	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 10

PLOT DATE : 10/24/2023 2:19 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

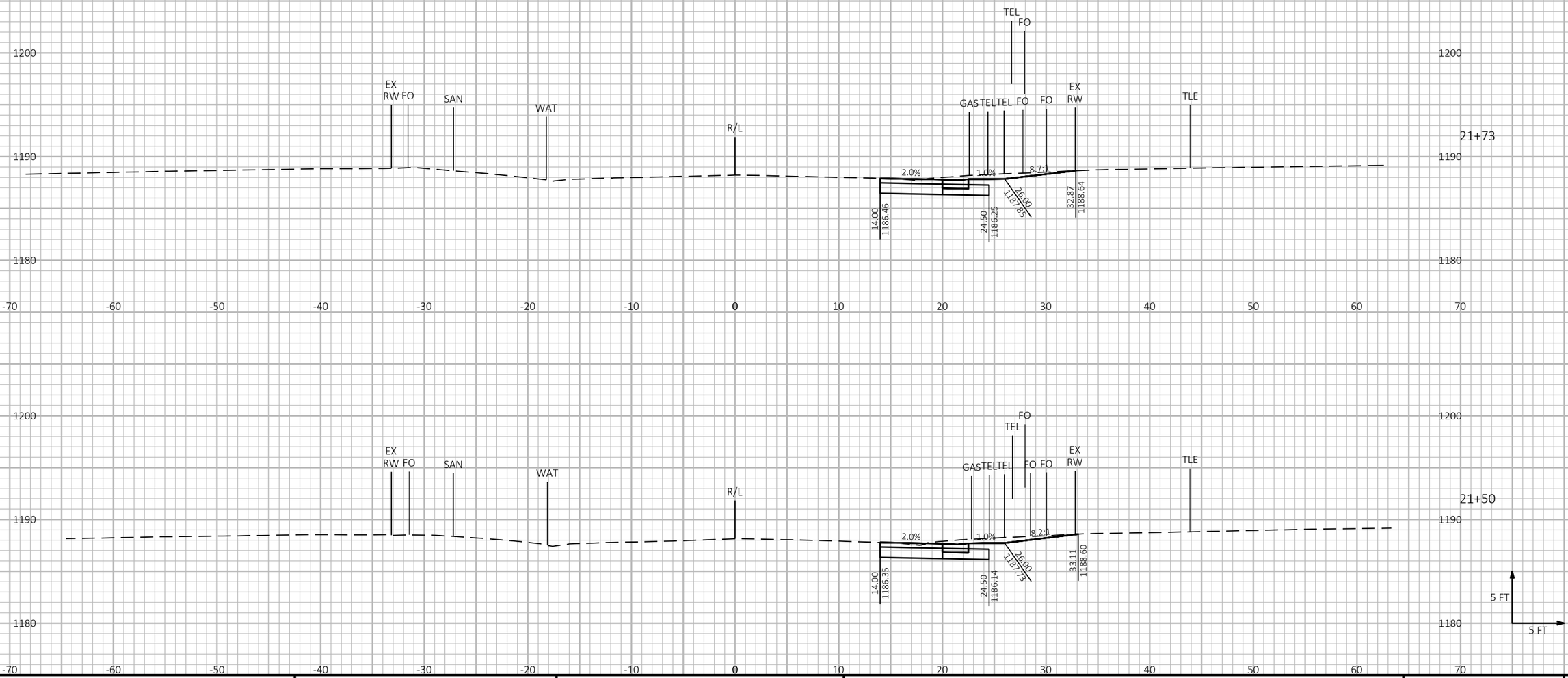
WISDOT/CADDS SHEET 49



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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 72ND AVENUE, RT	SHEET 560	E

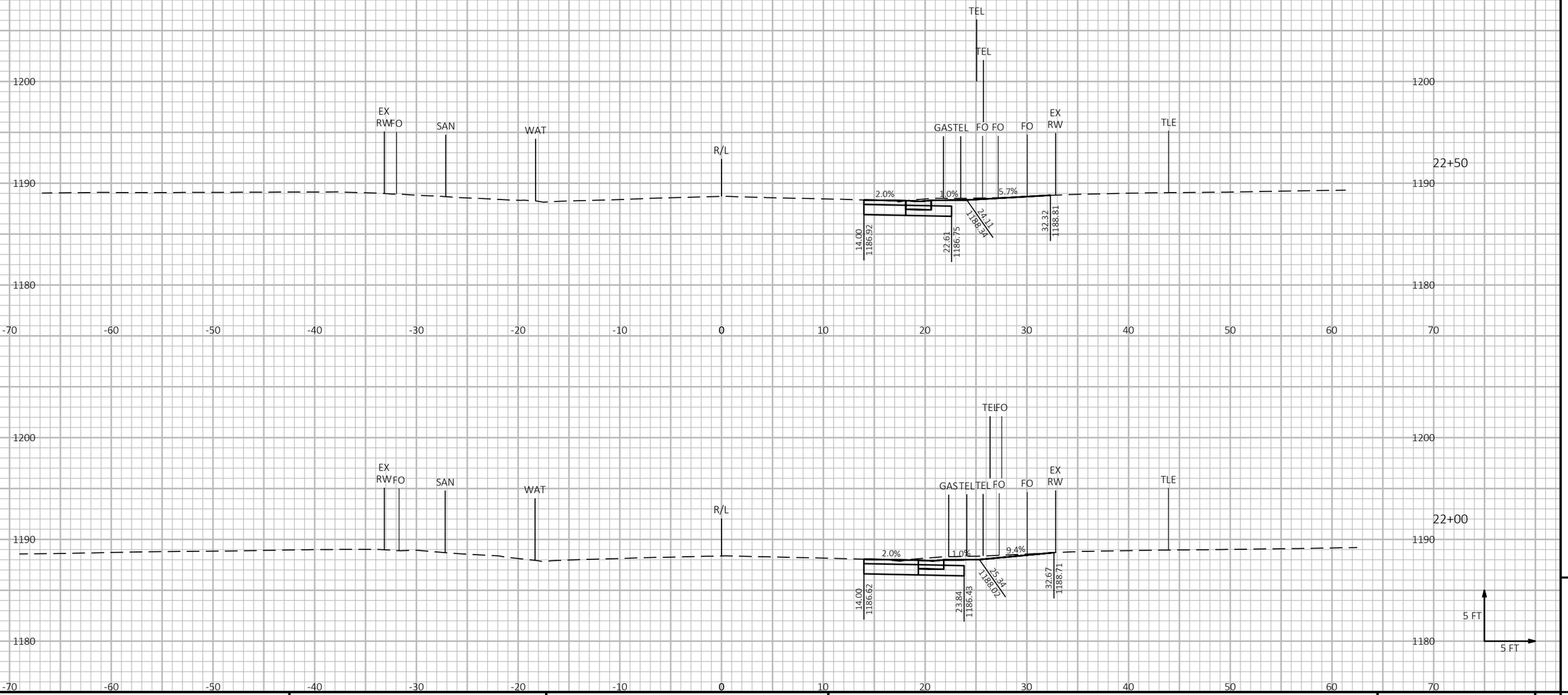


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 72ND AVENUE, RT	SHEET 561	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 12

PLOT DATE : 10/24/2023 2:20 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

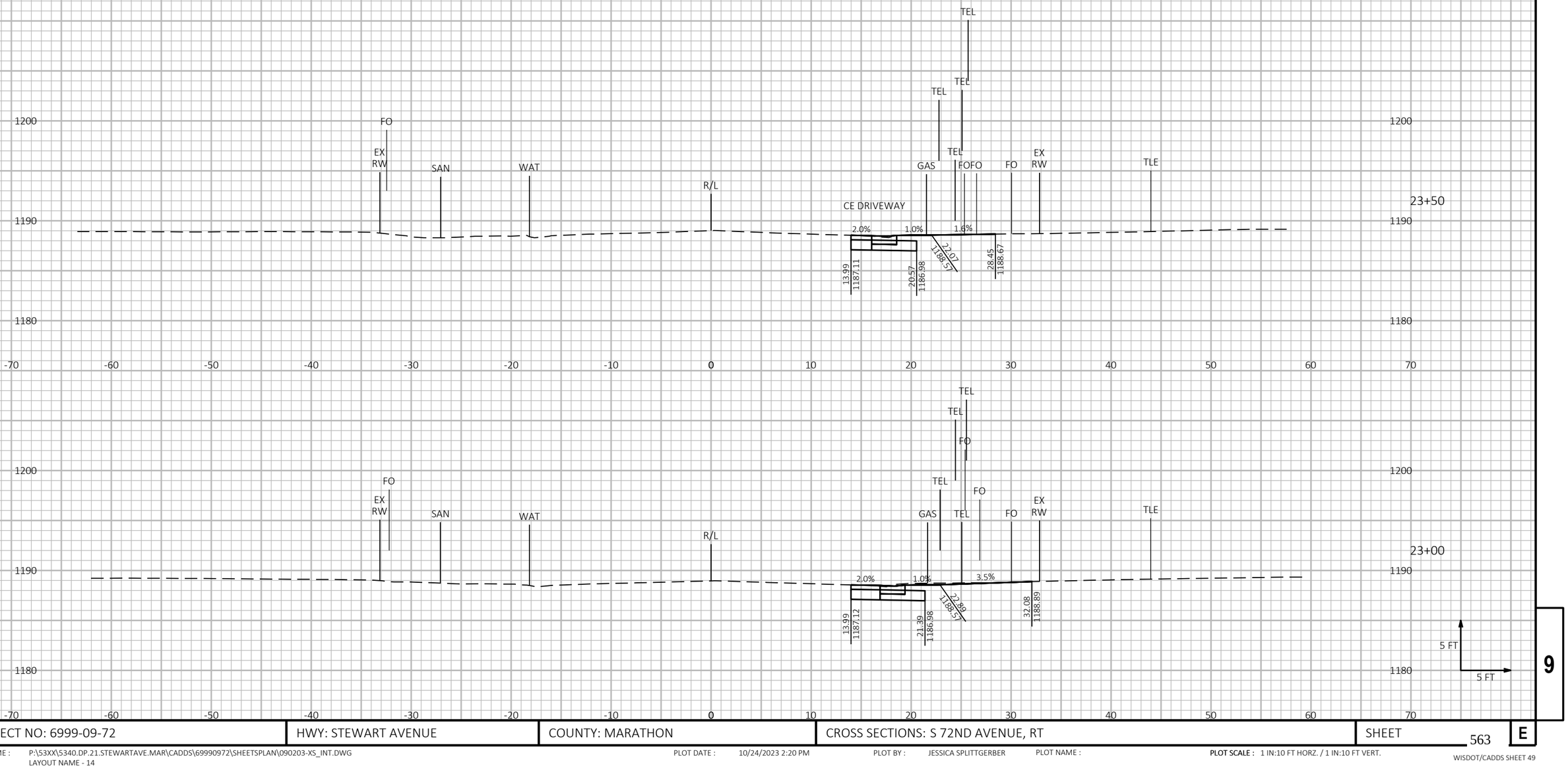
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 72ND AVENUE, RT	SHEET 562	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 13

PLOT DATE : 10/24/2023 2:20 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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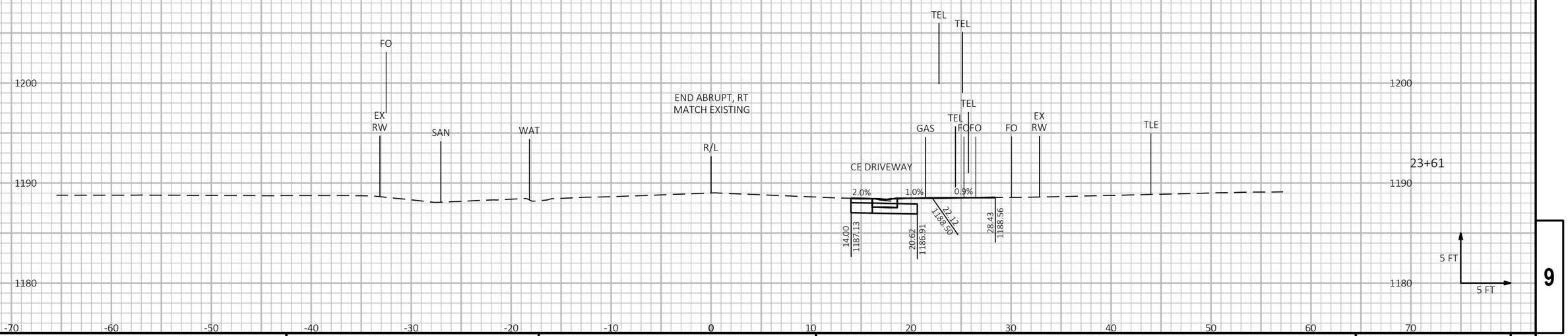
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 72ND AVENUE, RT	SHEET 563	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 14

PLOT DATE : 10/24/2023 2:20 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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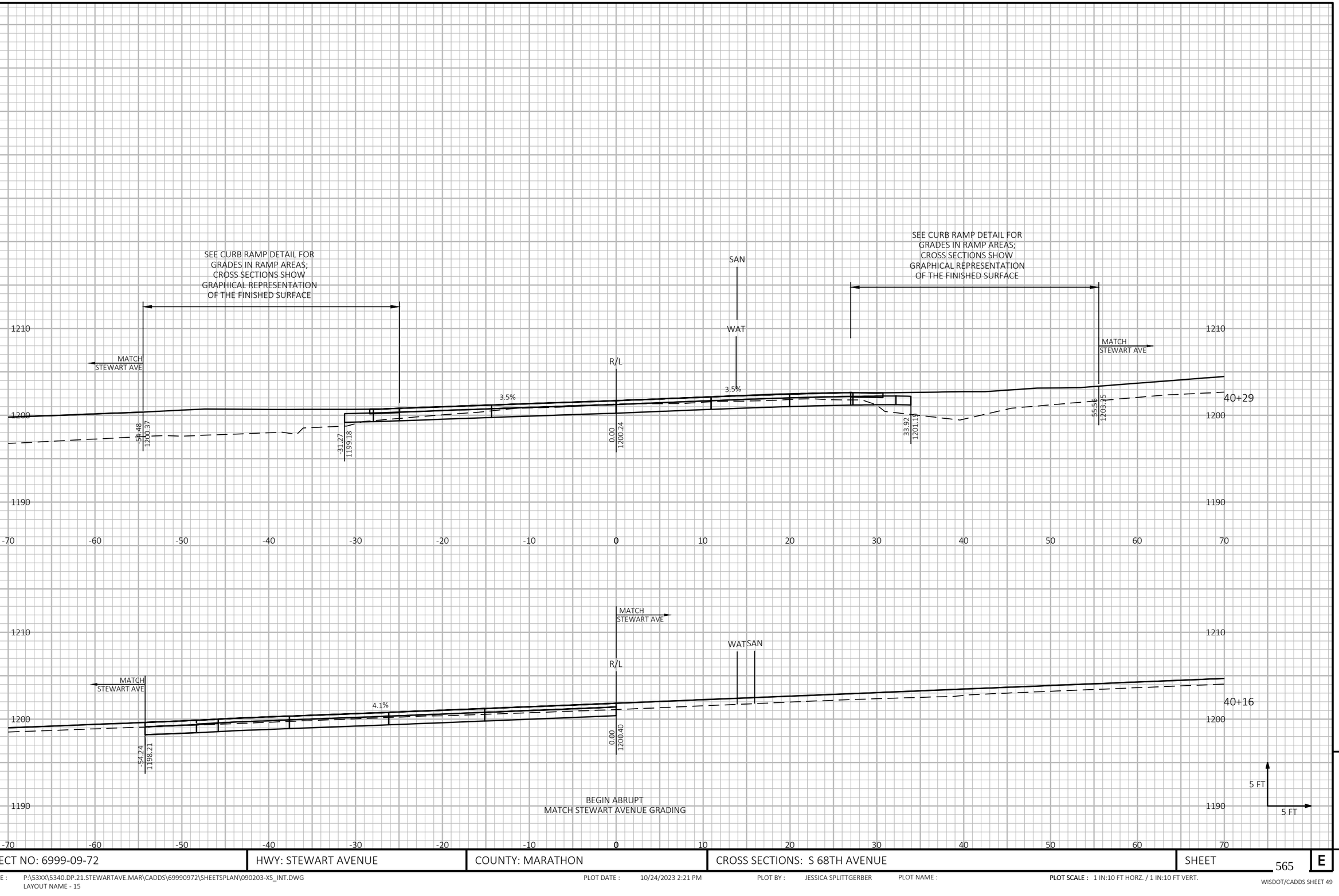
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 72ND AVENUE, RT	SHEET 564	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 14 (2)

PLOT DATE : 10/24/2023 2:20 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



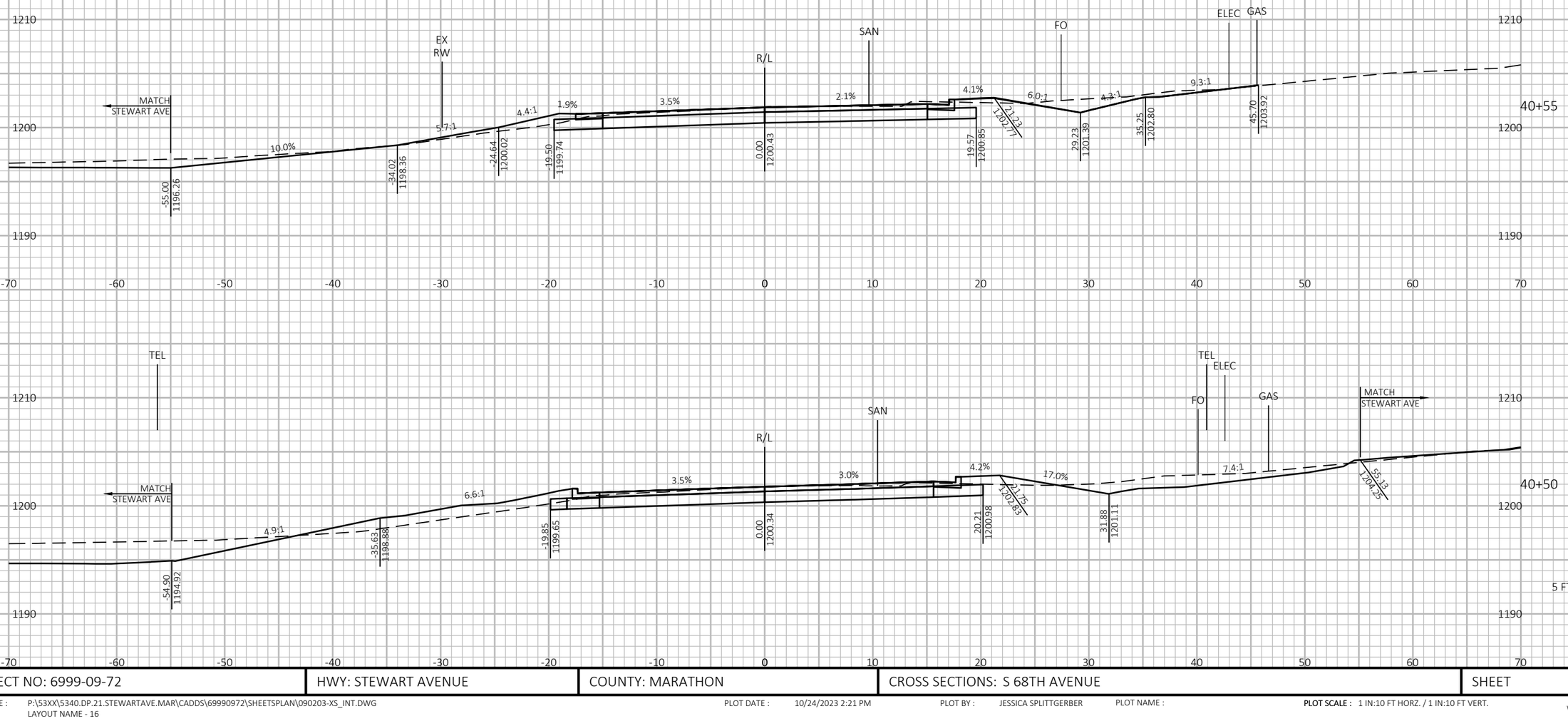
9

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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 68TH AVENUE	SHEET 565	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 15

PLOT DATE : 10/24/2023 2:21 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

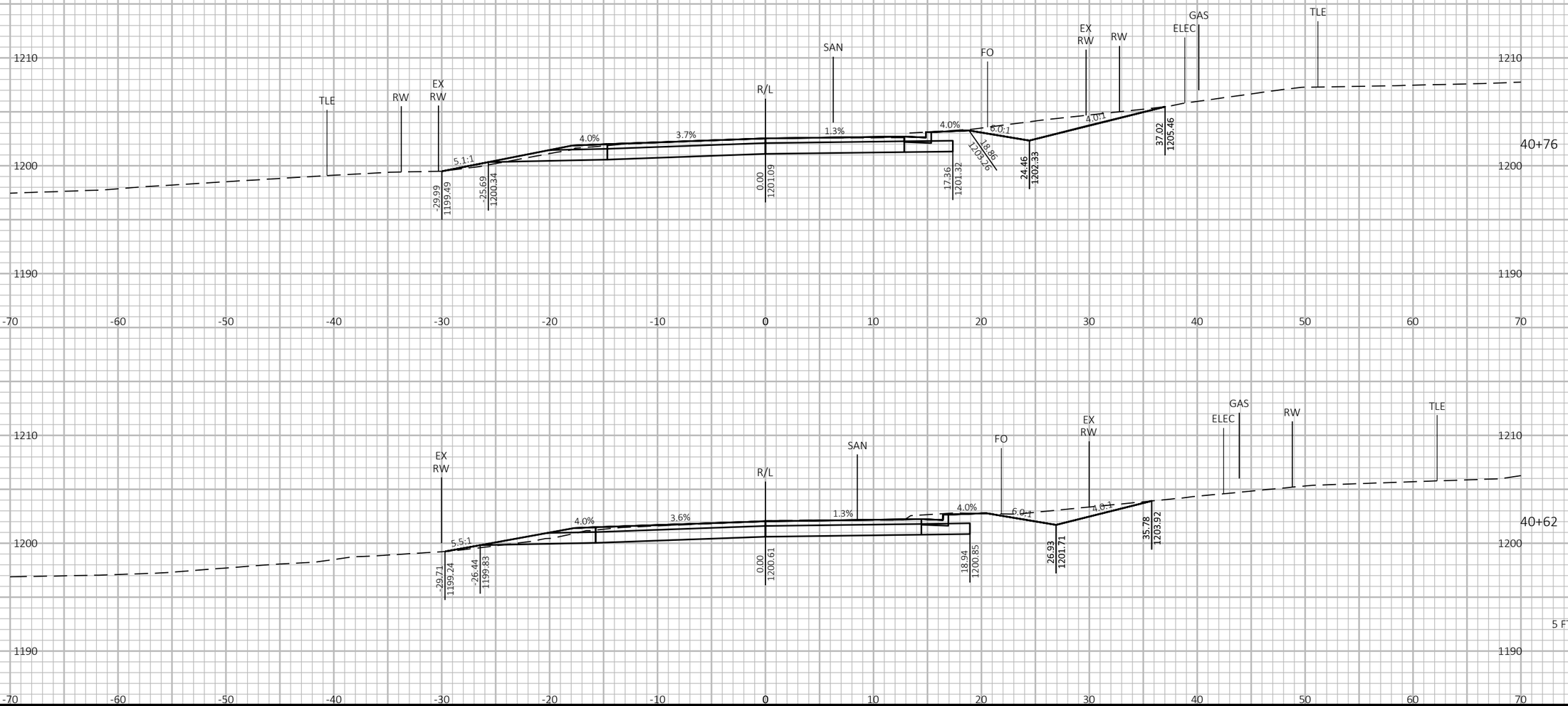


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 68TH AVENUE	SHEET 566 E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 16

PLOT DATE : 10/24/2023 2:21 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



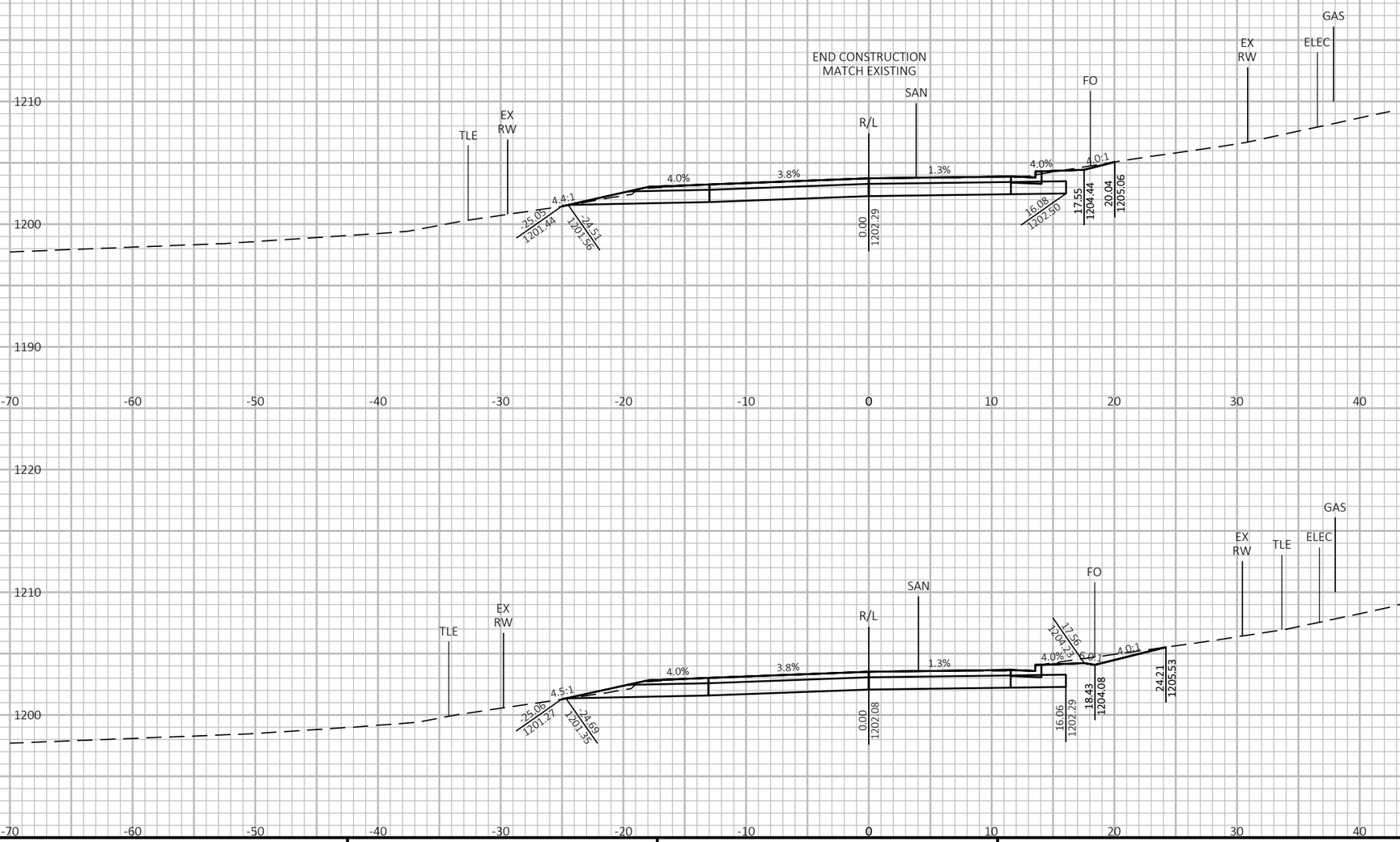
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 68TH AVENUE	SHEET 567	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 17

PLOT DATE : 10/24/2023 2:21 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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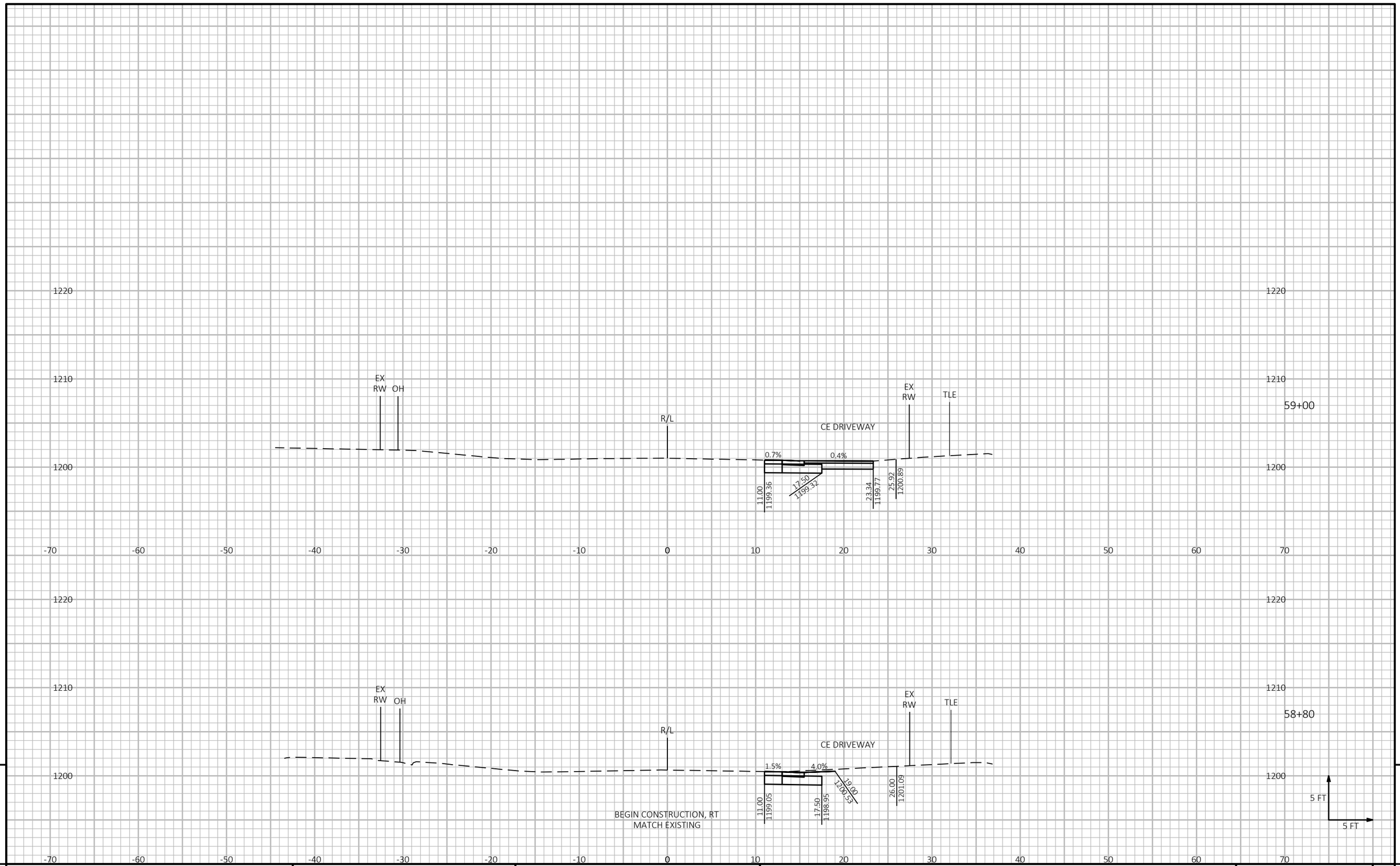
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 68TH AVENUE	SHEET 568	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 18

PLOT DATE : 10/24/2023 2:21 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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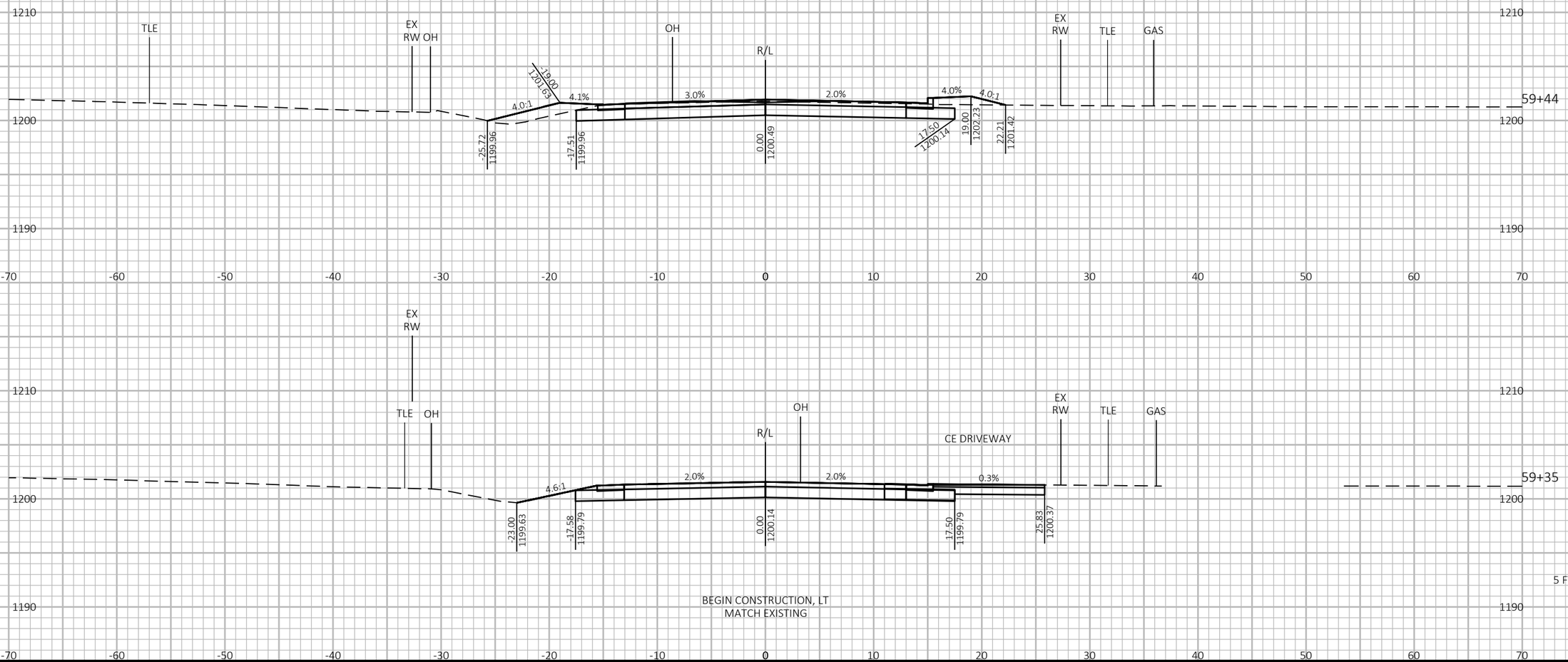
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 56TH AVENUE	SHEET 569	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 19

PLOT DATE : 10/24/2023 2:21 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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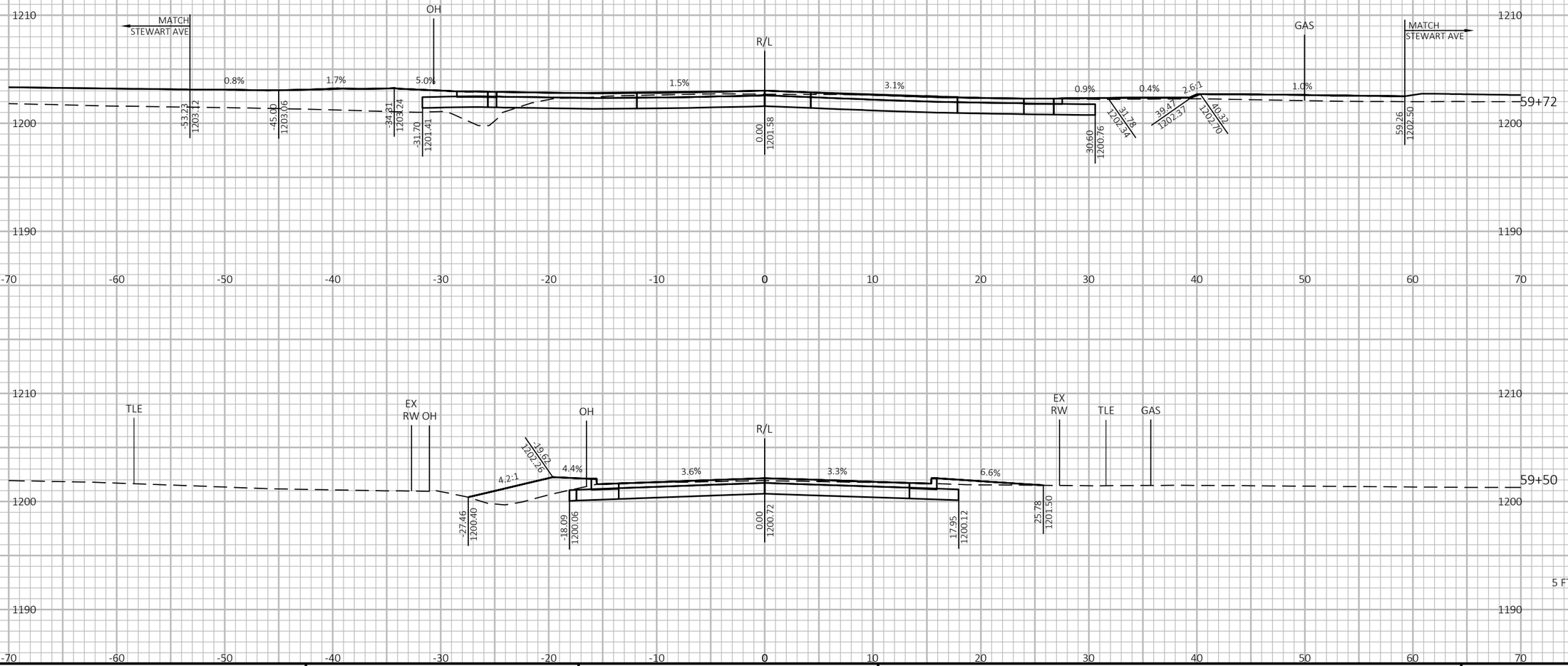
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 56TH AVENUE	SHEET 570	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 20

PLOT DATE : 10/24/2023 2:21 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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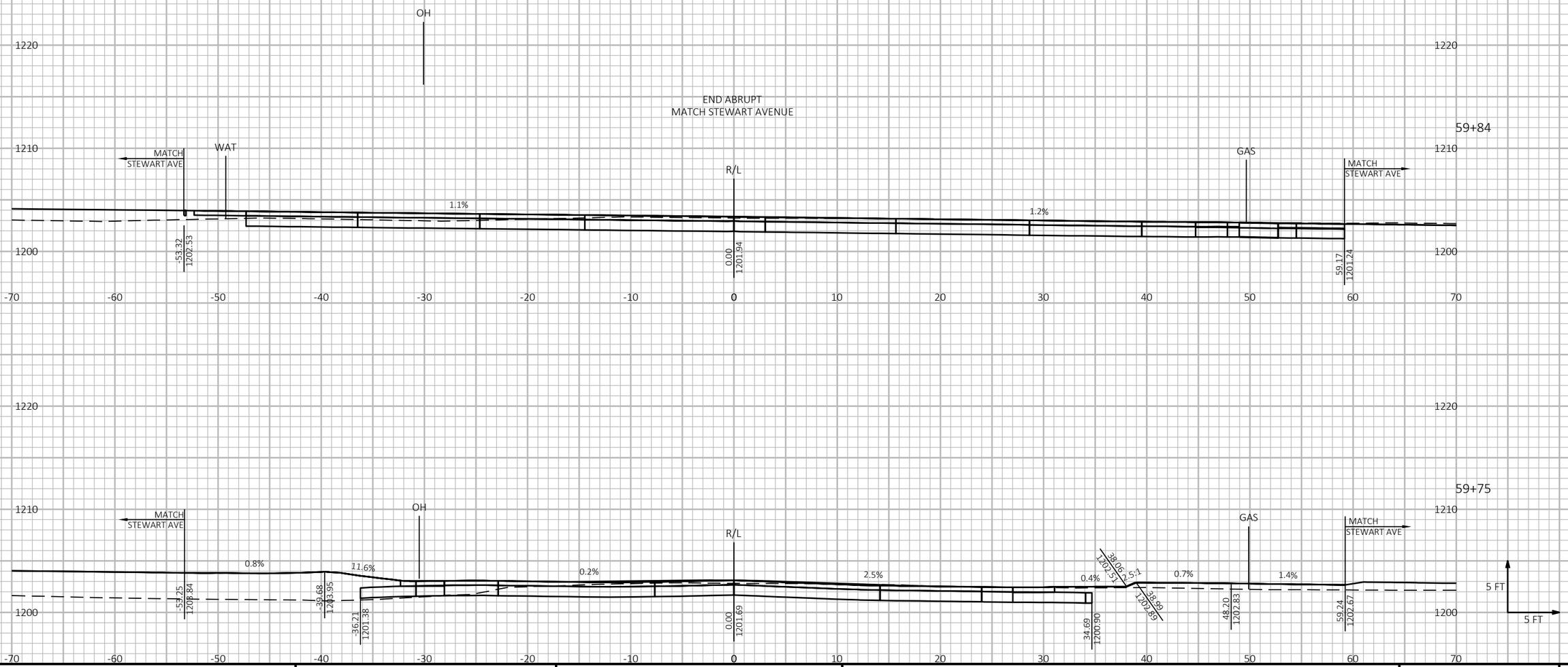
9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 56TH AVENUE	SHEET 571	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 21

PLOT DATE : 10/24/2023 2:22 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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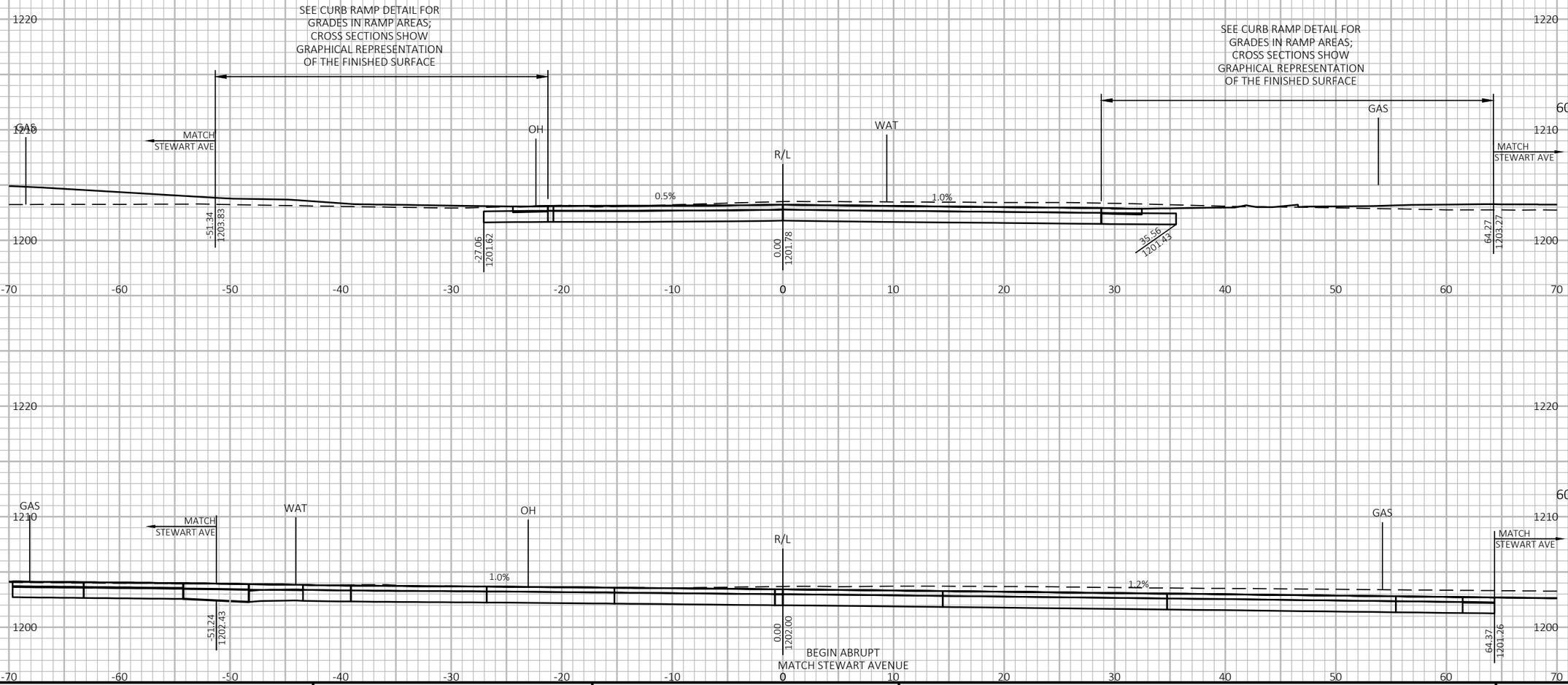
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 56TH AVENUE	SHEET 572	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 22

PLOT DATE : 10/24/2023 2:22 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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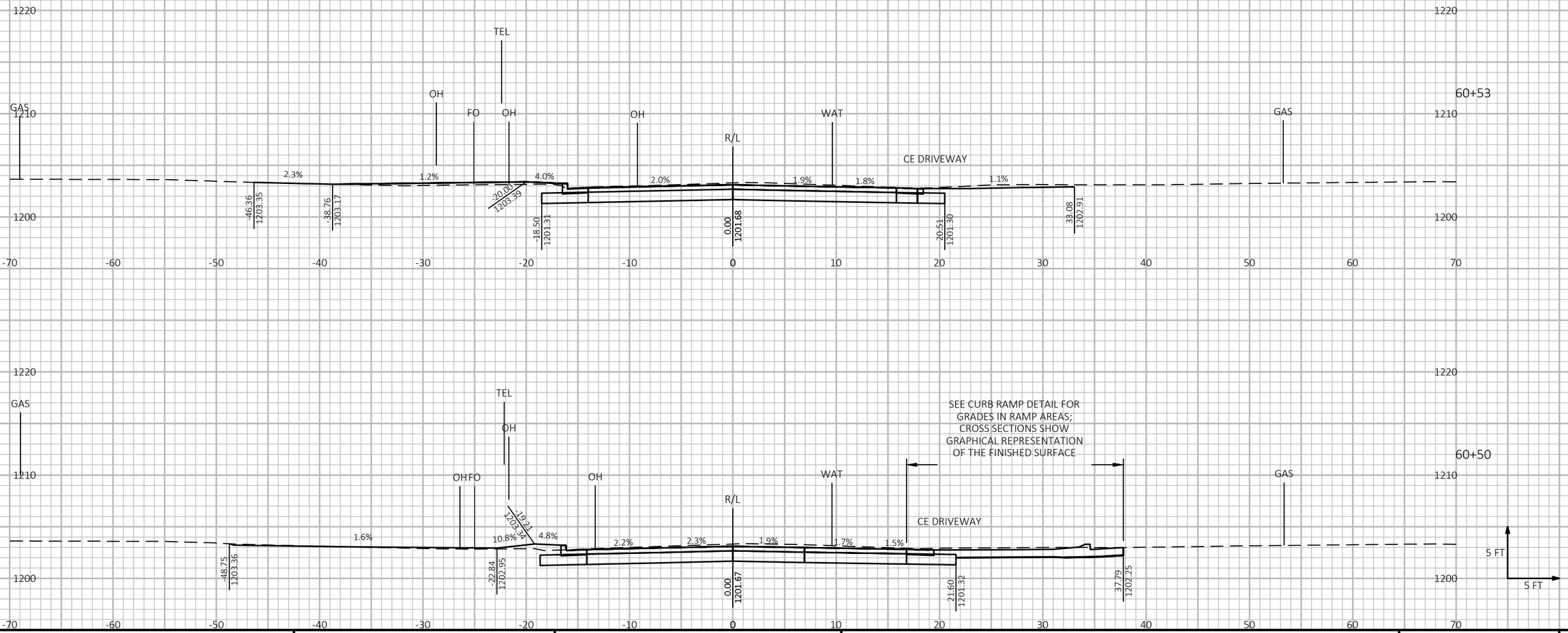
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 56TH AVENUE	SHEET 573	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 23

PLOT DATE : 10/24/2023 2:22 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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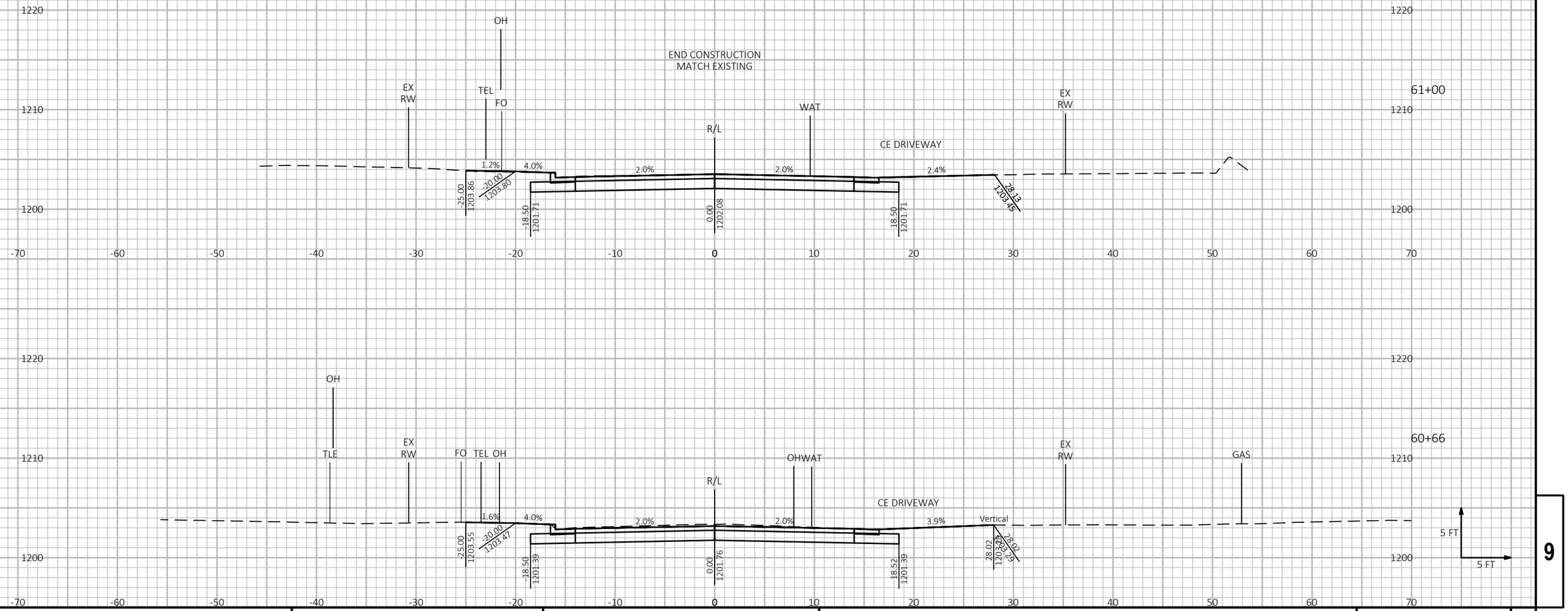
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 56TH AVENUE	SHEET 574	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 24

PLOT DATE : 10/24/2023 2:22 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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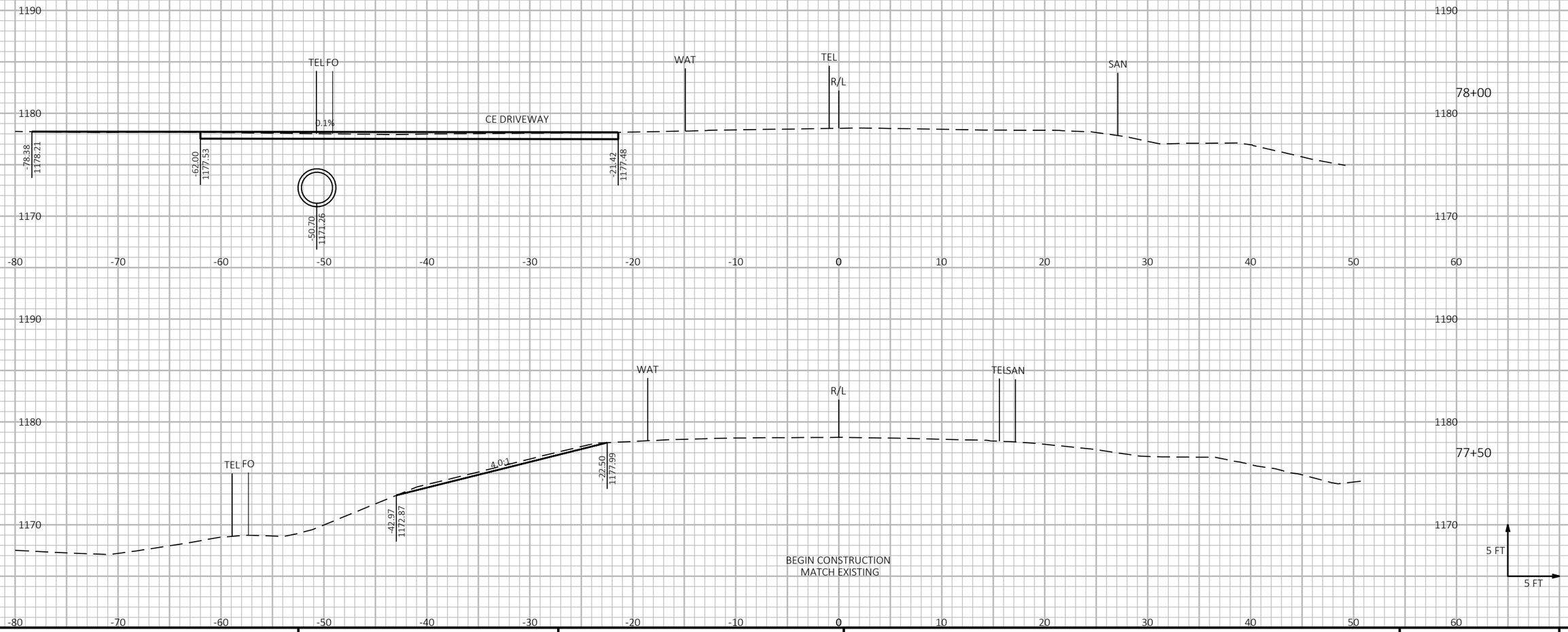
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 56TH AVENUE	SHEET 575	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 25

PLOT DATE : 10/24/2023 2:22 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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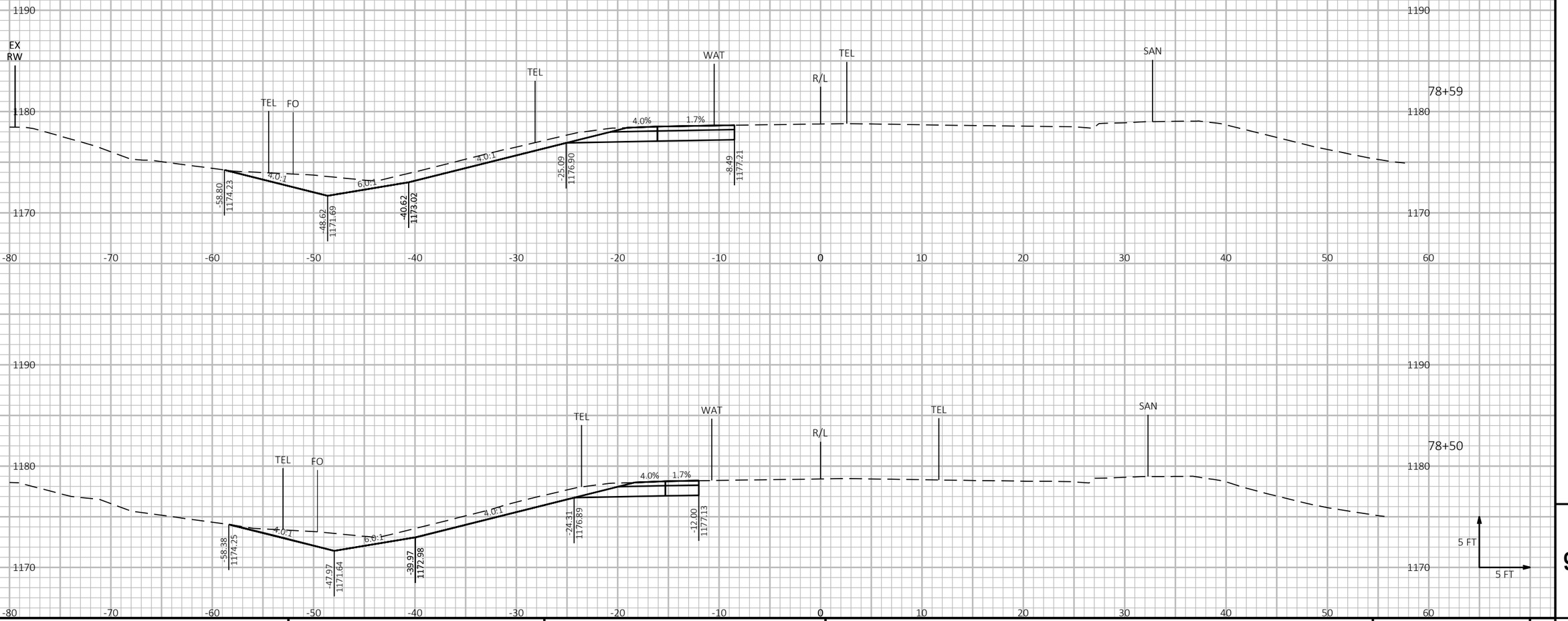
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 48TH AVENUE	SHEET 576	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 26

PLOT DATE : 10/24/2023 2:22 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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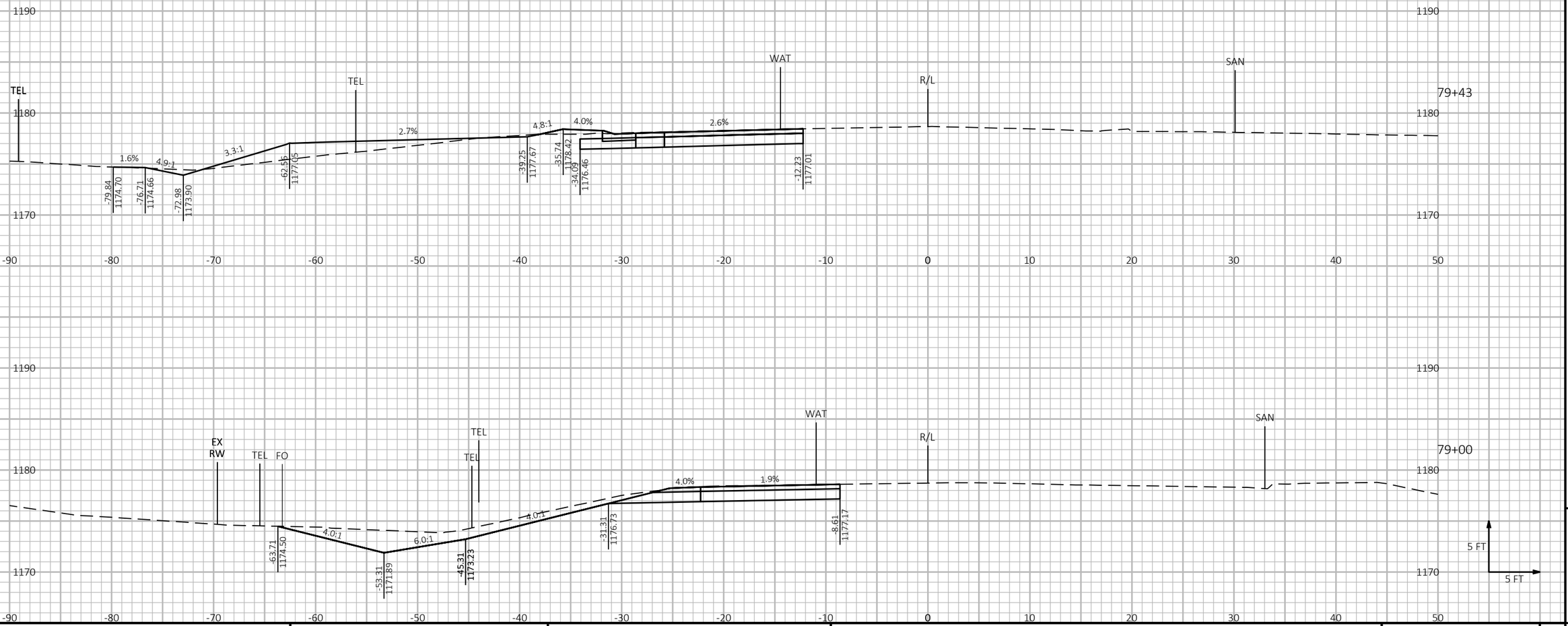
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 48TH AVENUE	SHEET 577	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 27

PLOT DATE : 10/24/2023 2:23 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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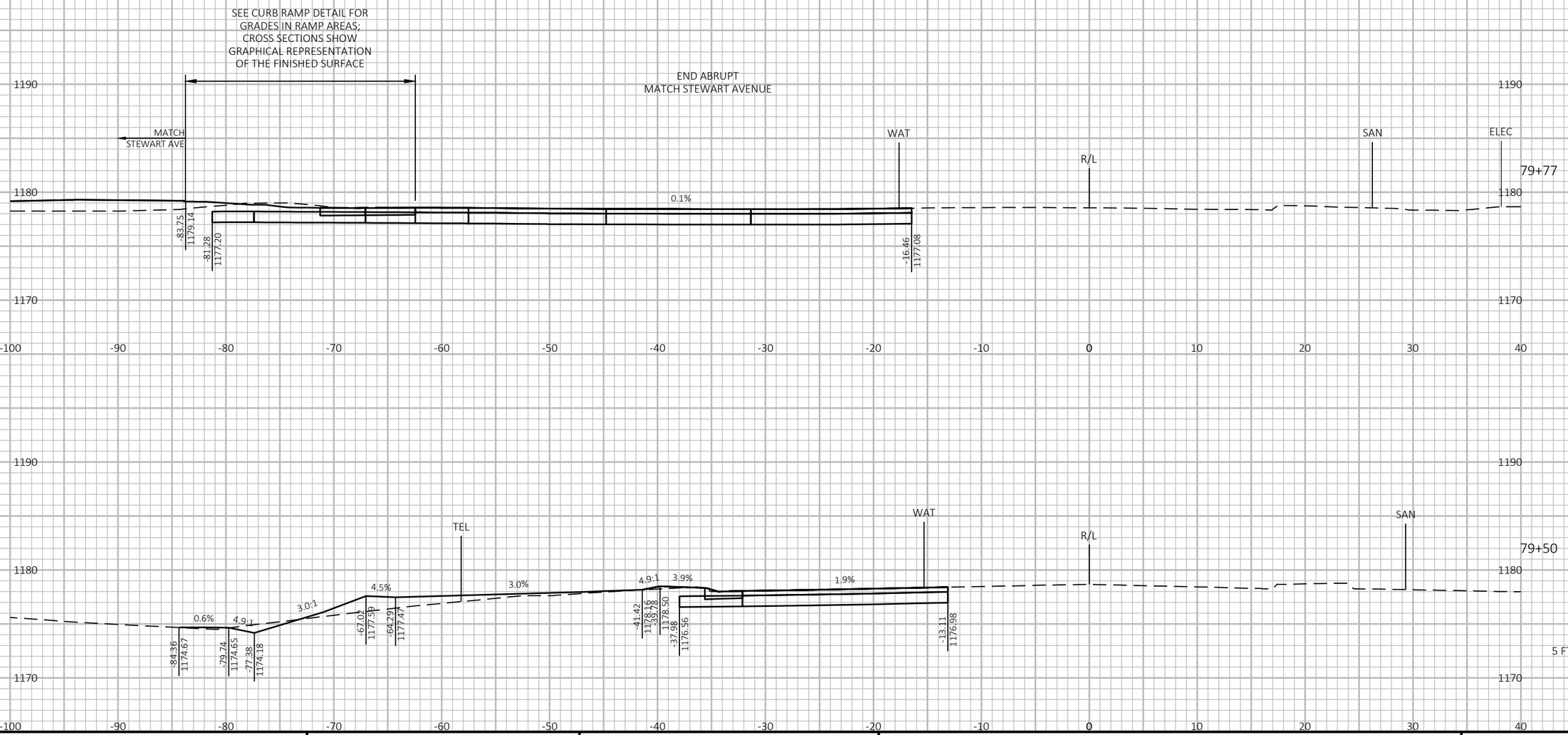
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 48TH AVENUE	SHEET 578	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 28

PLOT DATE : 10/24/2023 2:23 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: S 48TH AVENUE	SHEET 579	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090203-XS_INT.DWG
LAYOUT NAME - 29

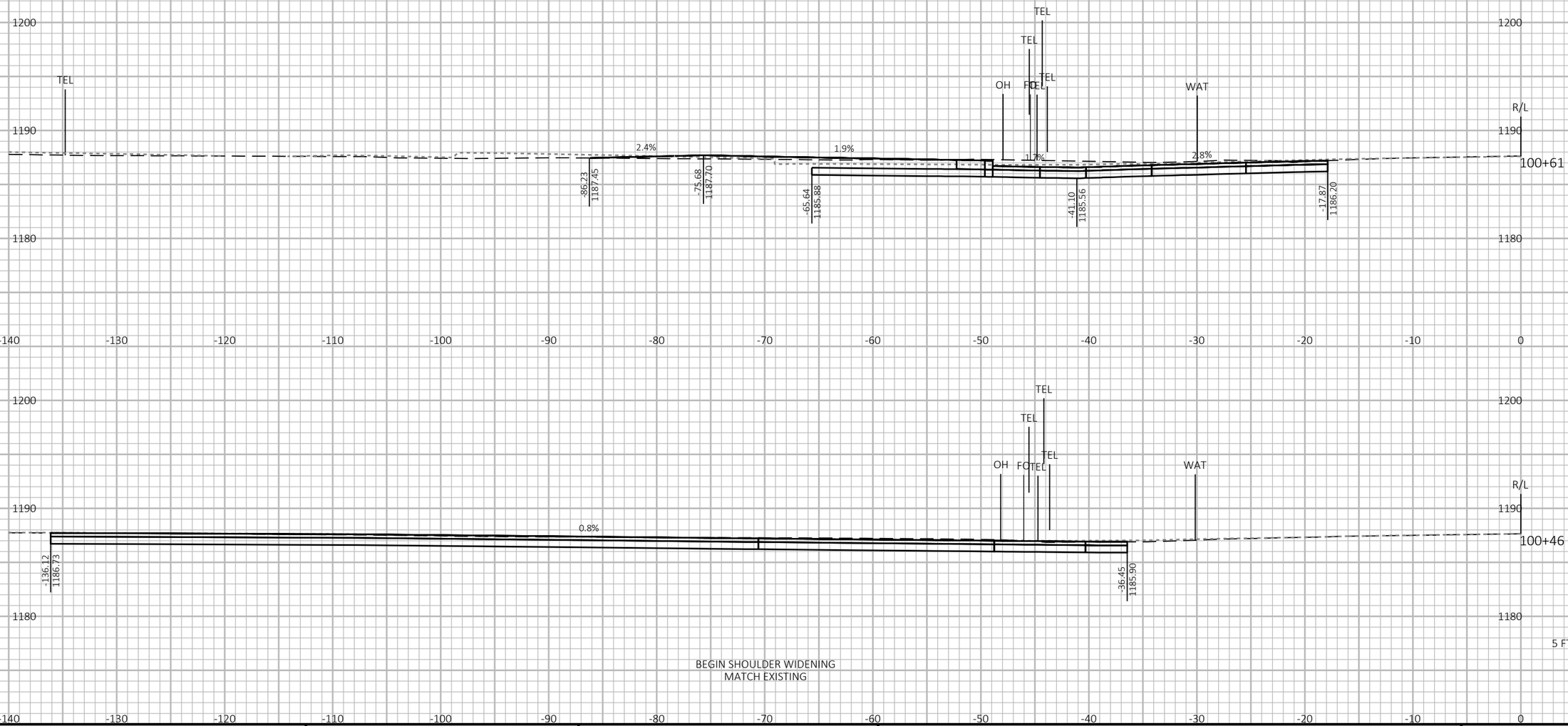
PLOT DATE : 10/24/2023 2:23 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

FINISHED SURFACE ----------
(CONSTRUCTED IN STAGE 3B AND 4)

NOTE
CONSTRUCT TEMPORARY WIDENING IN STAGE 1 AND 3A.
SEE TRAFFIC CONTROL FOR ADDITIONAL INFORMATION.



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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 580	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 01

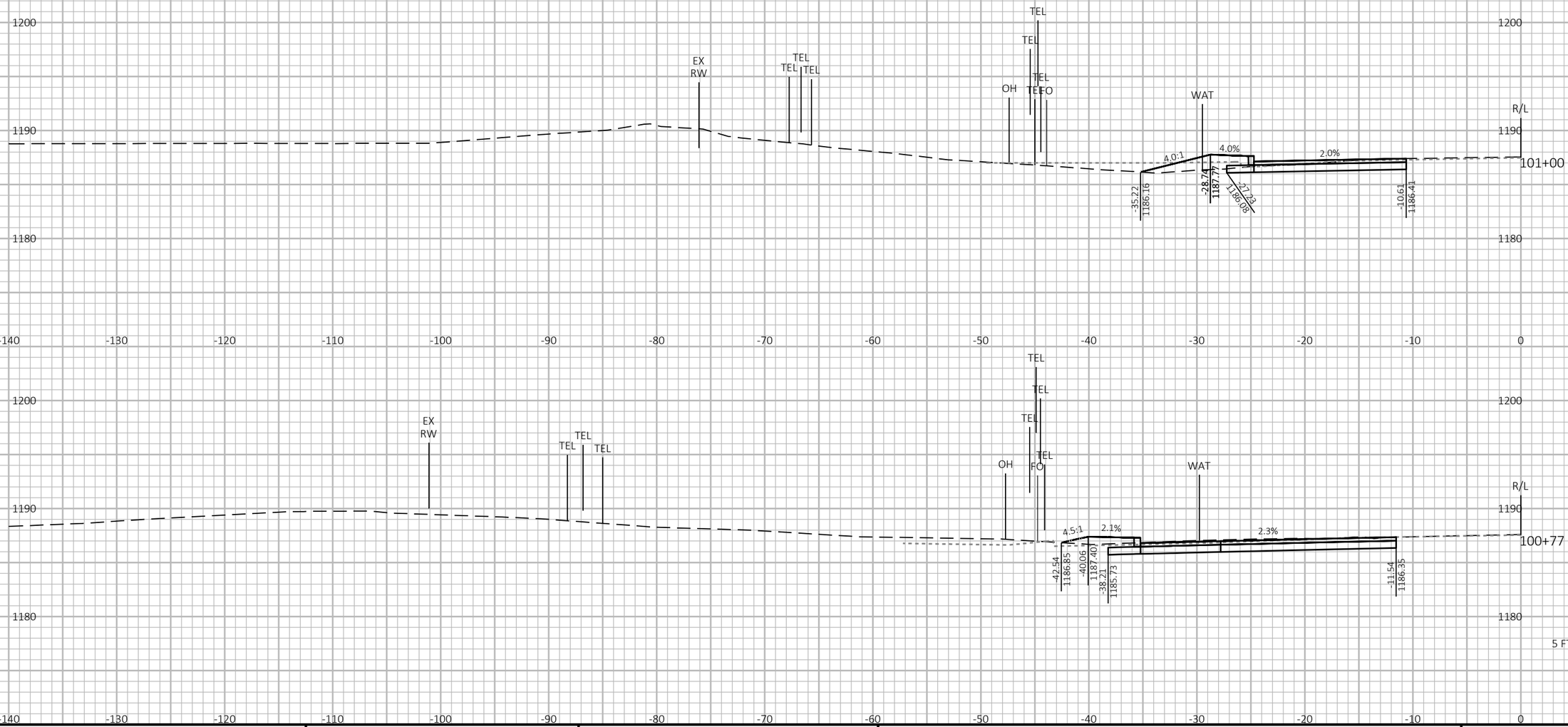
PLOT DATE : 8/24/2023 5:46 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

FINISHED SURFACE ----------
(CONSTRUCTED IN STAGE 3B AND 4)

NOTE
CONSTRUCT TEMPORARY WIDENING IN STAGE 1 AND 3A.
SEE TRAFFIC CONTROL FOR ADDITIONAL INFORMATION.



9 9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 581	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 02

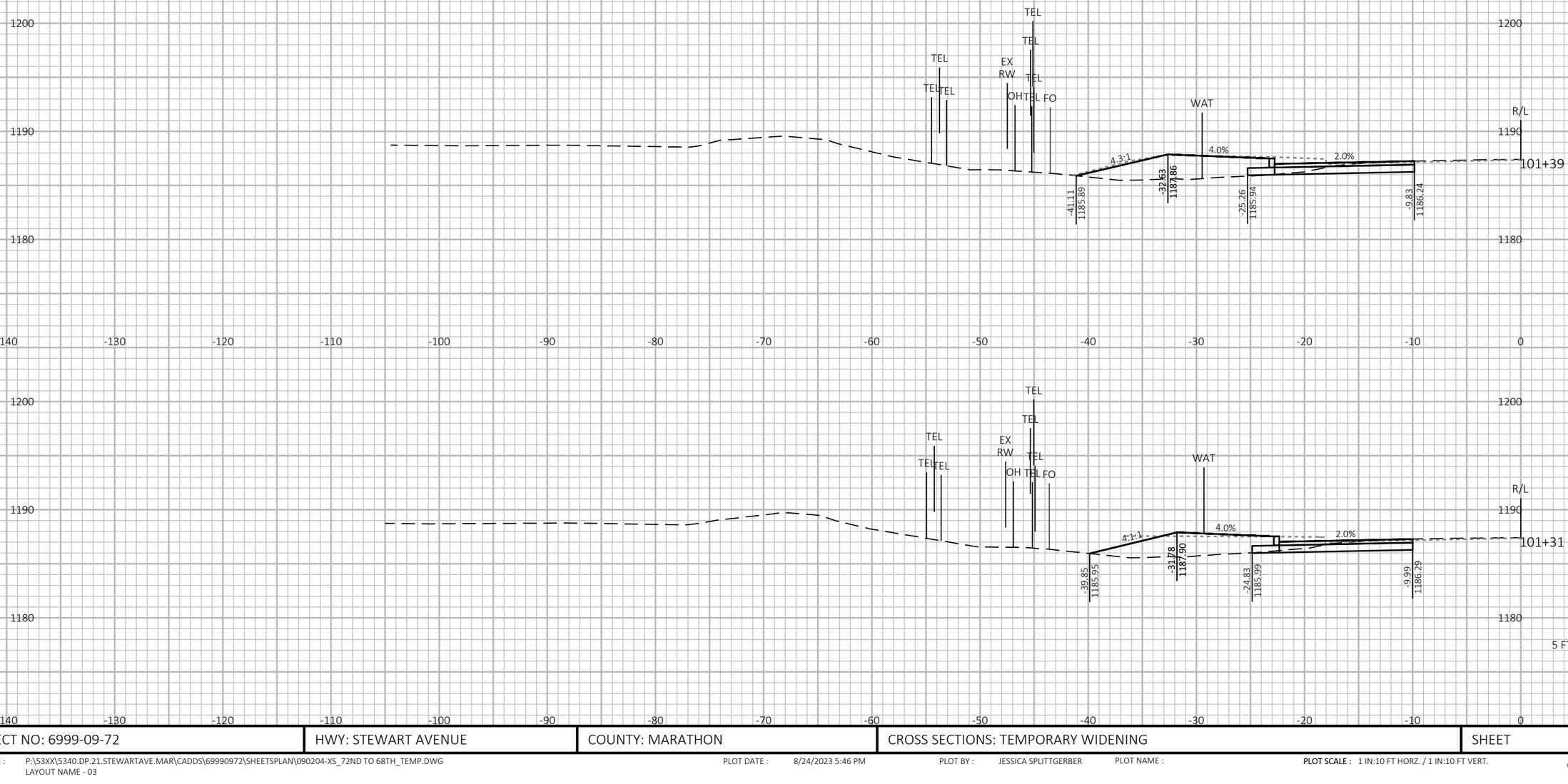
PLOT DATE : 8/24/2023 5:46 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

FINISHED SURFACE ----------
(CONSTRUCTED IN STAGE 3B AND 4)

NOTE
CONSTRUCT TEMPORARY WIDENING IN STAGE 1 AND 3A.
SEE TRAFFIC CONTROL FOR ADDITIONAL INFORMATION.



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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 582	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 03

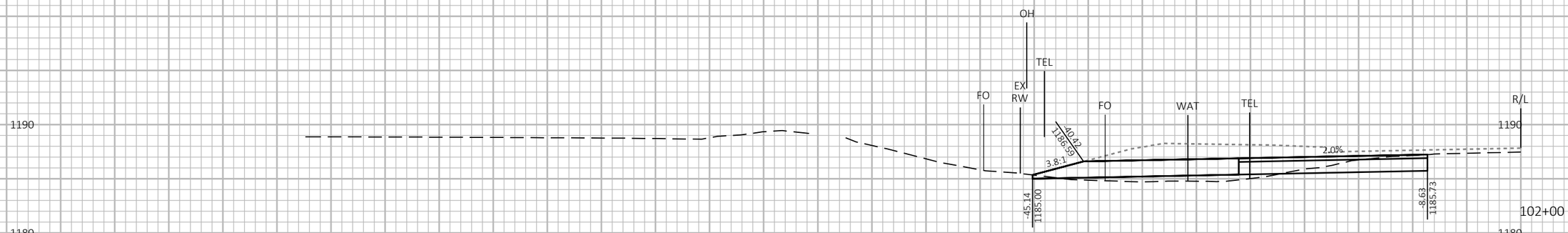
PLOT DATE : 8/24/2023 5:46 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

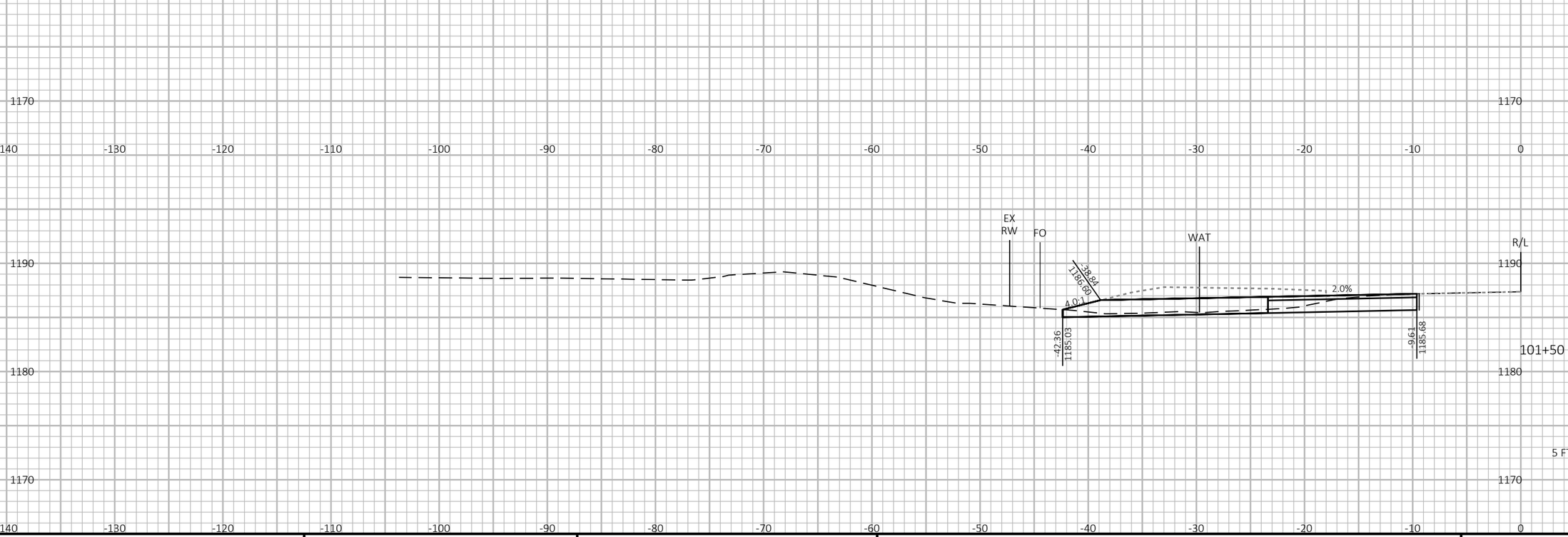
WISDOT/CADDS SHEET 49

LEGEND

FINISHED SURFACE ----------
(CONSTRUCTED IN STAGE 3B AND 4)

NOTE
CONSTRUCT TEMPORARY WIDENING IN STAGE 1 AND 3A.
SEE TRAFFIC CONTROL FOR ADDITIONAL INFORMATION.





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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 583	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 04

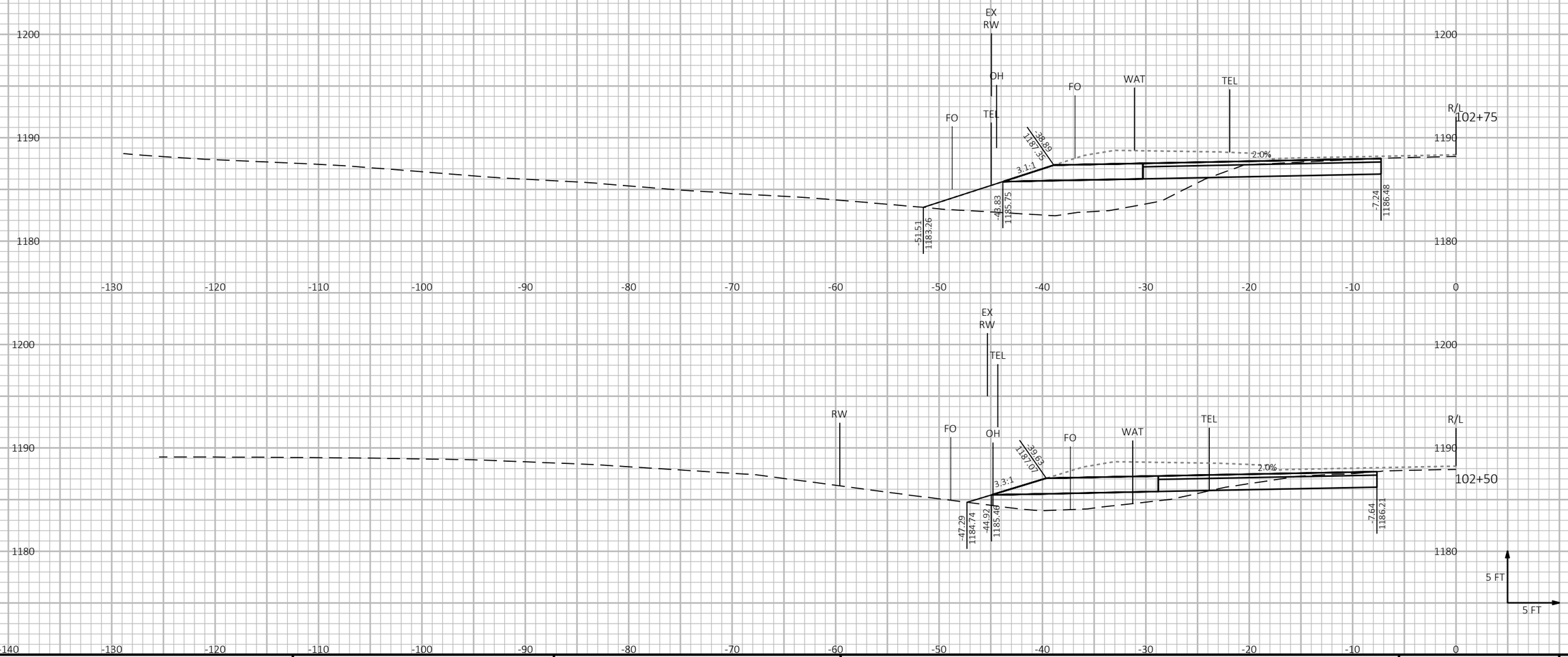
PLOT DATE : 8/24/2023 5:46 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

FINISHED SURFACE ----------
(CONSTRUCTED IN STAGE 3B AND 4)

NOTE
CONSTRUCT TEMPORARY WIDENING IN STAGE 1 AND 3A.
SEE TRAFFIC CONTROL FOR ADDITIONAL INFORMATION.



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 584	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 05

PLOT DATE : 8/24/2023 5:46 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

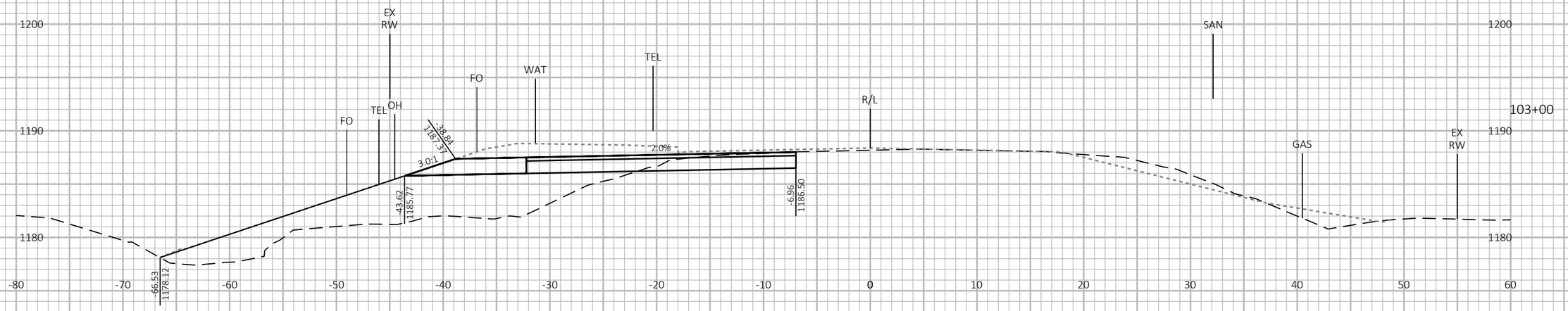
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

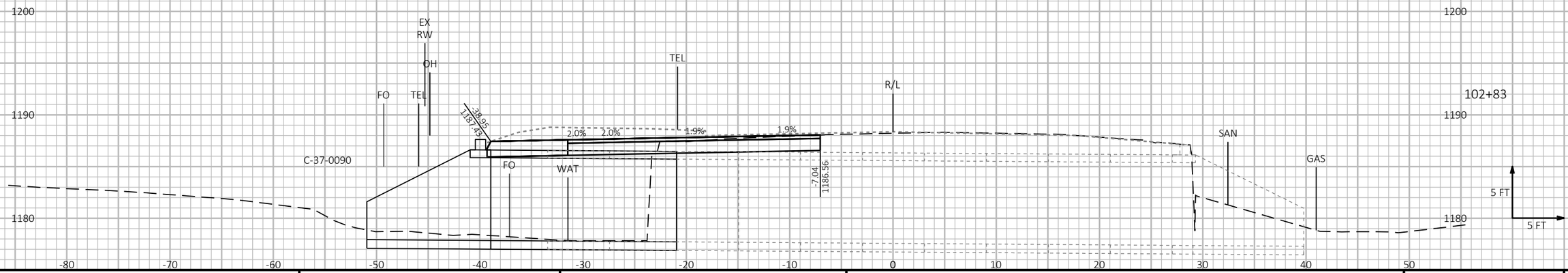
WISDOT/CADDS SHEET 49

LEGEND

FINISHED SURFACE ----------
(CONSTRUCTED IN STAGE 3B AND 4)

NOTE
CONSTRUCT TEMPORARY WIDENING IN STAGE 1 AND 3A.
SEE TRAFFIC CONTROL FOR ADDITIONAL INFORMATION.





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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 585	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 06

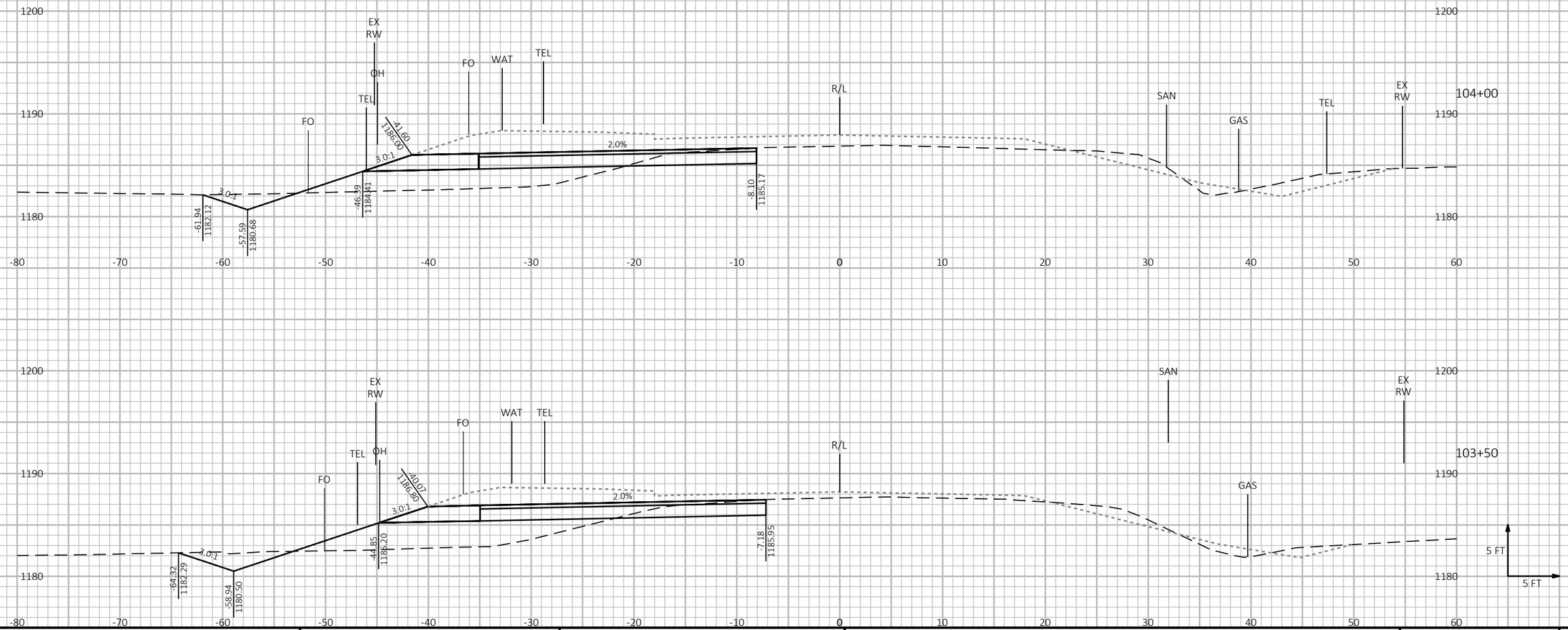
PLOT DATE : 8/24/2023 5:47 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

FINISHED SURFACE ----------
(CONSTRUCTED IN STAGE 3B AND 4)

NOTE
CONSTRUCT TEMPORARY WIDENING IN STAGE 1 AND 3A.
SEE TRAFFIC CONTROL FOR ADDITIONAL INFORMATION.



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 586	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 07

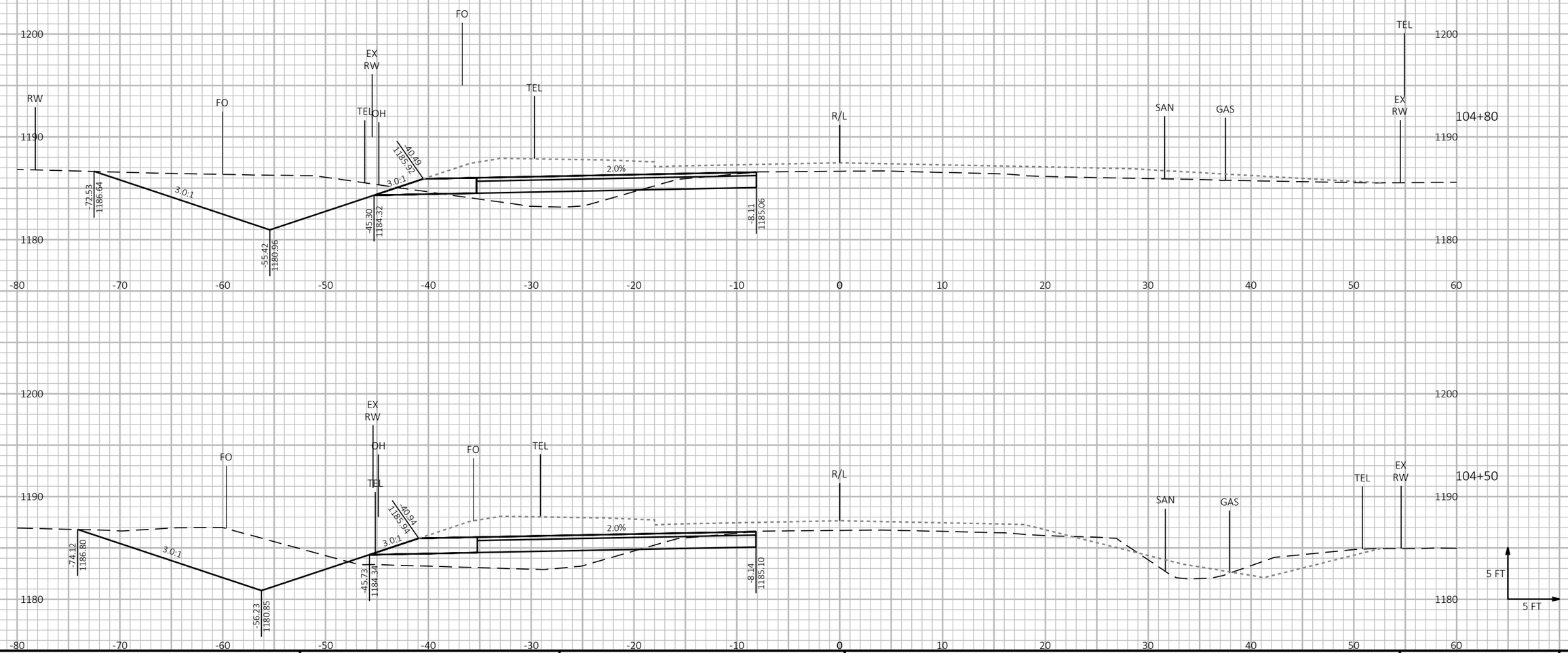
PLOT DATE : 8/24/2023 5:47 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

FINISHED SURFACE ----------
(CONSTRUCTED IN STAGE 3B AND 4)

NOTE
CONSTRUCT TEMPORARY WIDENING IN STAGE 1 AND 3A.
SEE TRAFFIC CONTROL FOR ADDITIONAL INFORMATION.



9 9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 587	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 08

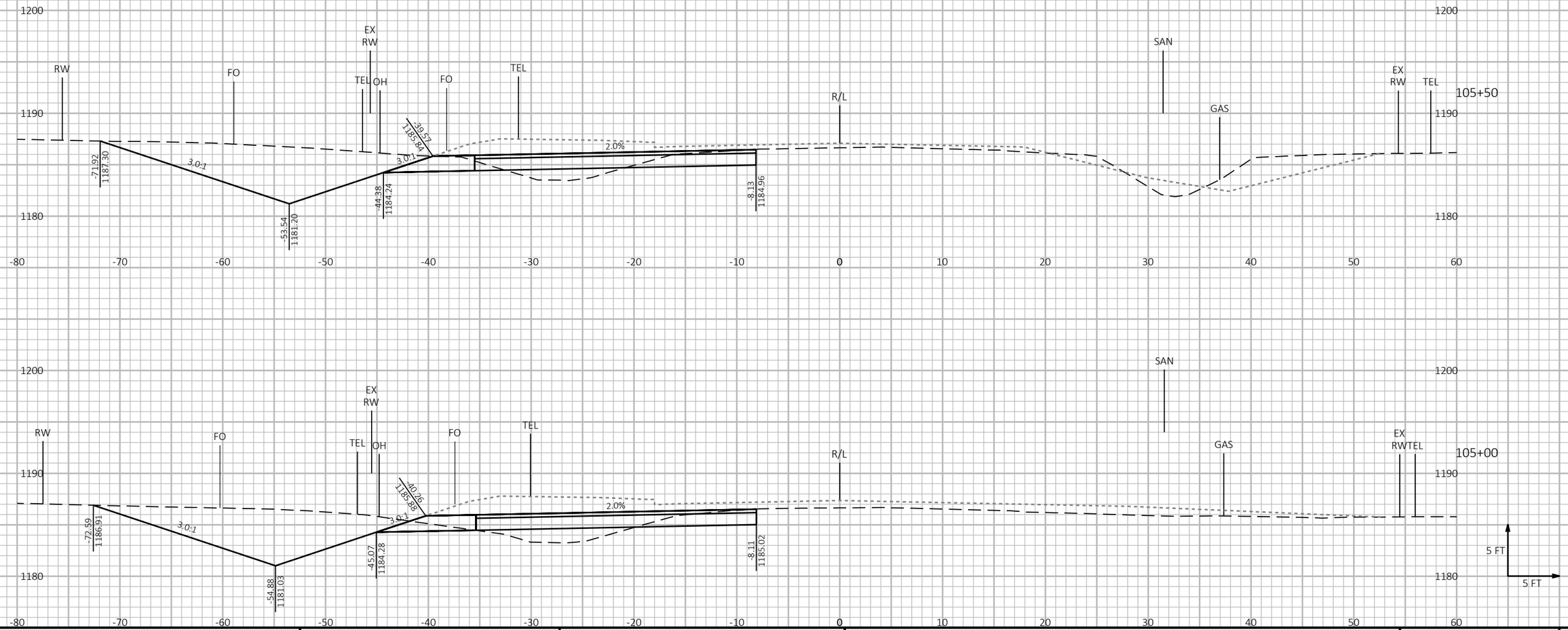
PLOT DATE : 8/24/2023 5:47 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

FINISHED SURFACE ----------
(CONSTRUCTED IN STAGE 3B AND 4)

NOTE
CONSTRUCT TEMPORARY WIDENING IN STAGE 1 AND 3A.
SEE TRAFFIC CONTROL FOR ADDITIONAL INFORMATION.



9 9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 588	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 09

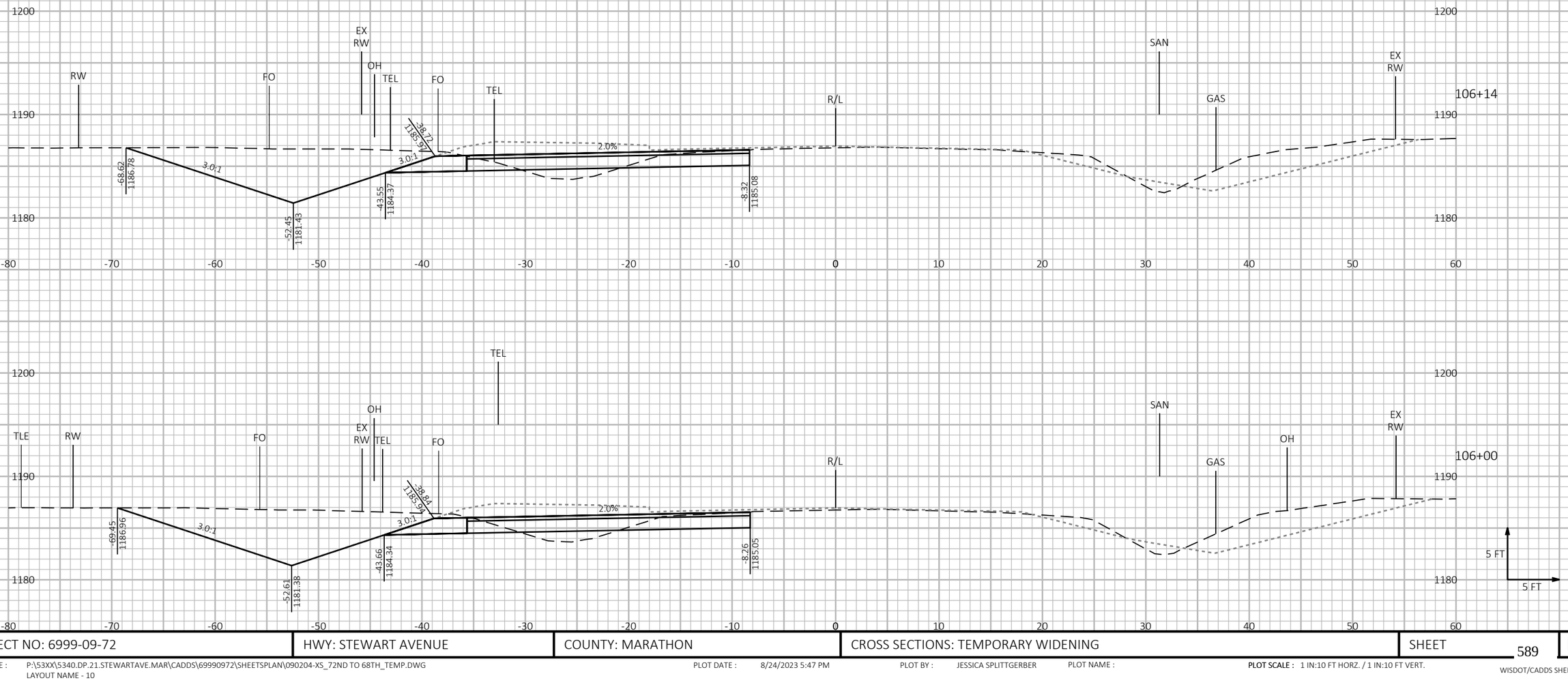
PLOT DATE : 8/24/2023 5:47 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

FINISHED SURFACE ----------
(CONSTRUCTED IN STAGE 3B AND 4)

NOTE
CONSTRUCT TEMPORARY WIDENING IN STAGE 1 AND 3A.
SEE TRAFFIC CONTROL FOR ADDITIONAL INFORMATION.



9 9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 589	E

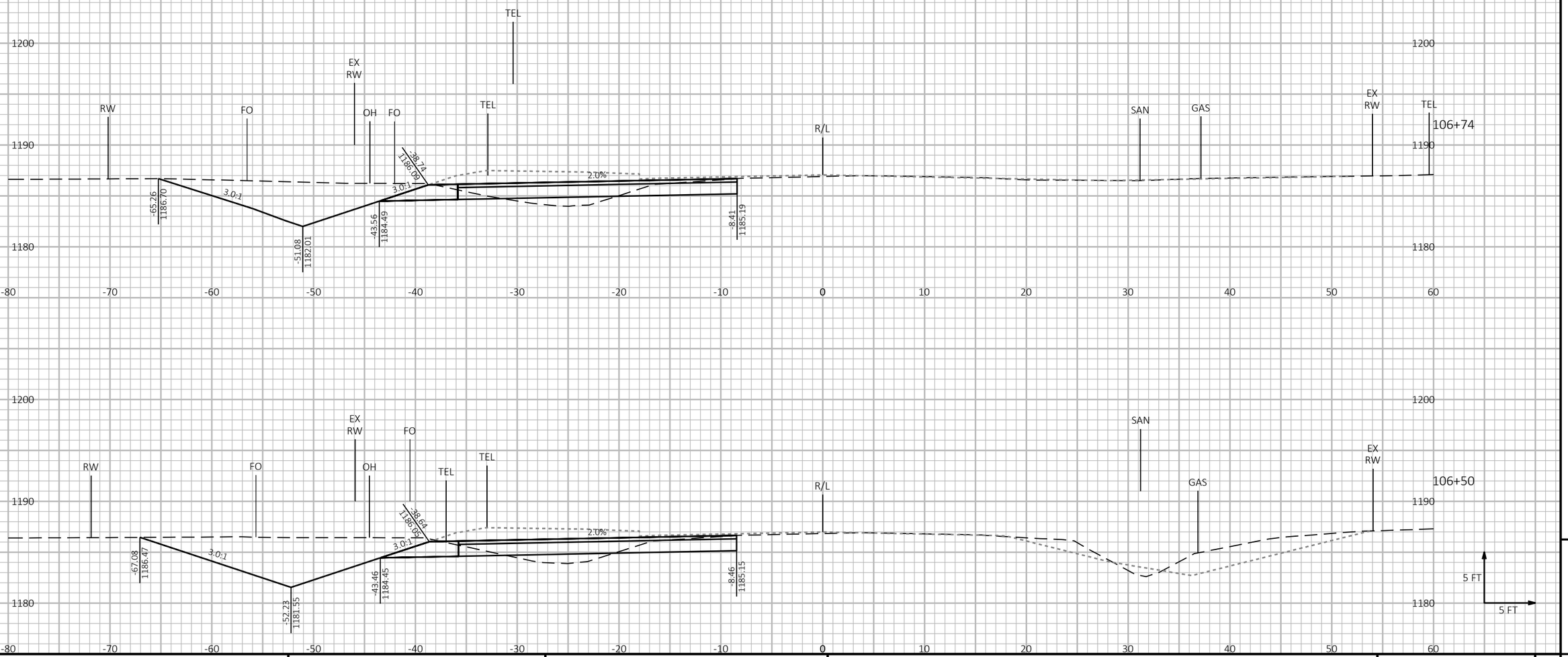
FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 10

PLOT DATE : 8/24/2023 5:47 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

LEGEND

FINISHED SURFACE ----------
(CONSTRUCTED IN STAGE 3B AND 4)

NOTE
CONSTRUCT TEMPORARY WIDENING IN STAGE 1 AND 3A.
SEE TRAFFIC CONTROL FOR ADDITIONAL INFORMATION.



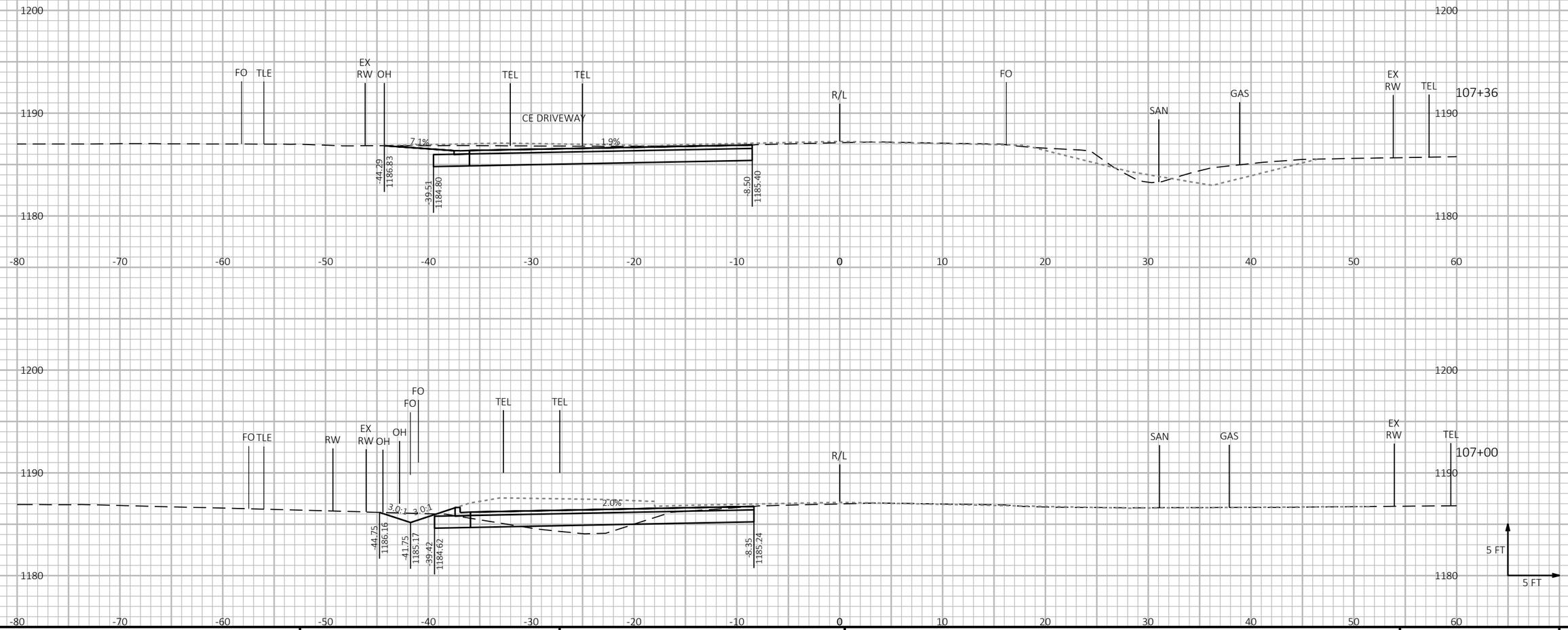
9 9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 590	E

LEGEND

FINISHED SURFACE ----------
(CONSTRUCTED IN STAGE 3B AND 4)

NOTE
CONSTRUCT TEMPORARY WIDENING IN STAGE 1 AND 3A.
SEE TRAFFIC CONTROL FOR ADDITIONAL INFORMATION.



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 591	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 12

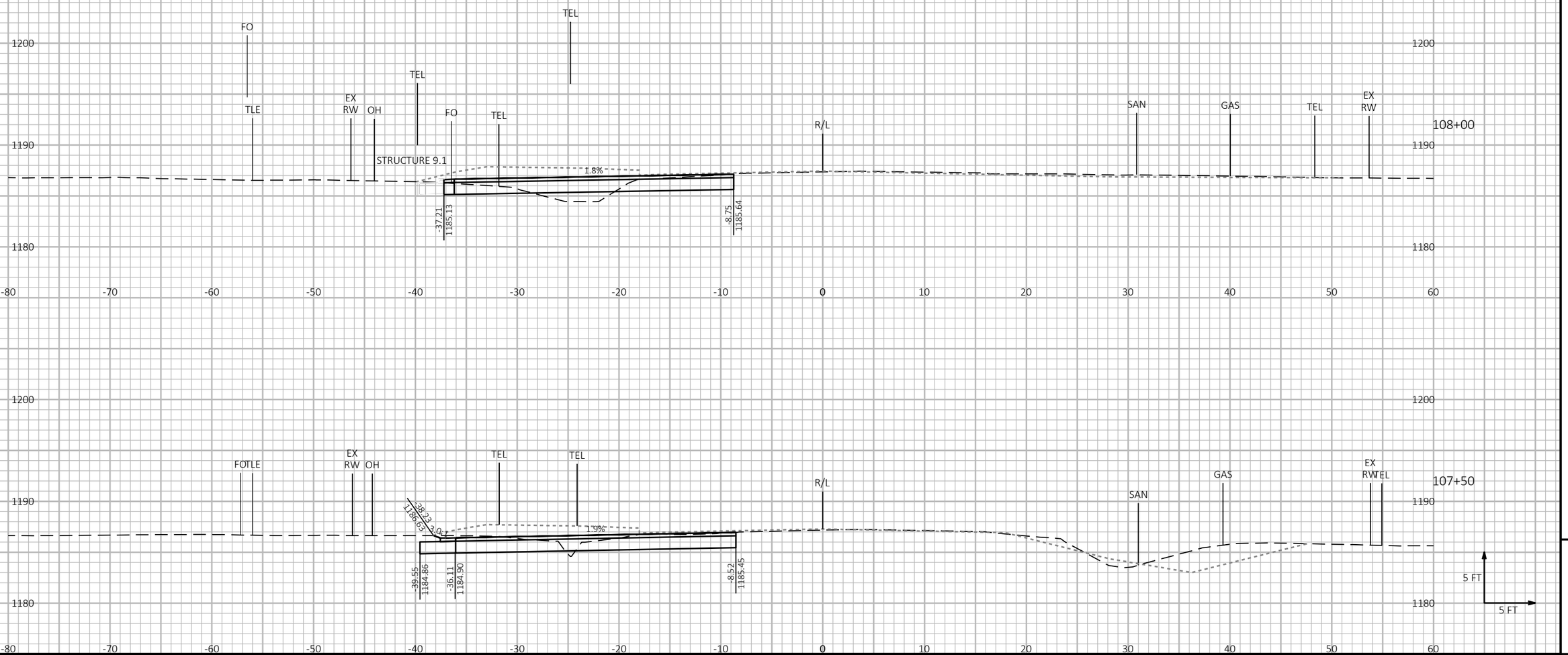
PLOT DATE : 8/24/2023 5:48 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

FINISHED SURFACE ----------
(CONSTRUCTED IN STAGE 3B AND 4)

NOTE
CONSTRUCT TEMPORARY WIDENING IN STAGE 1 AND 3A.
SEE TRAFFIC CONTROL FOR ADDITIONAL INFORMATION.



9 9

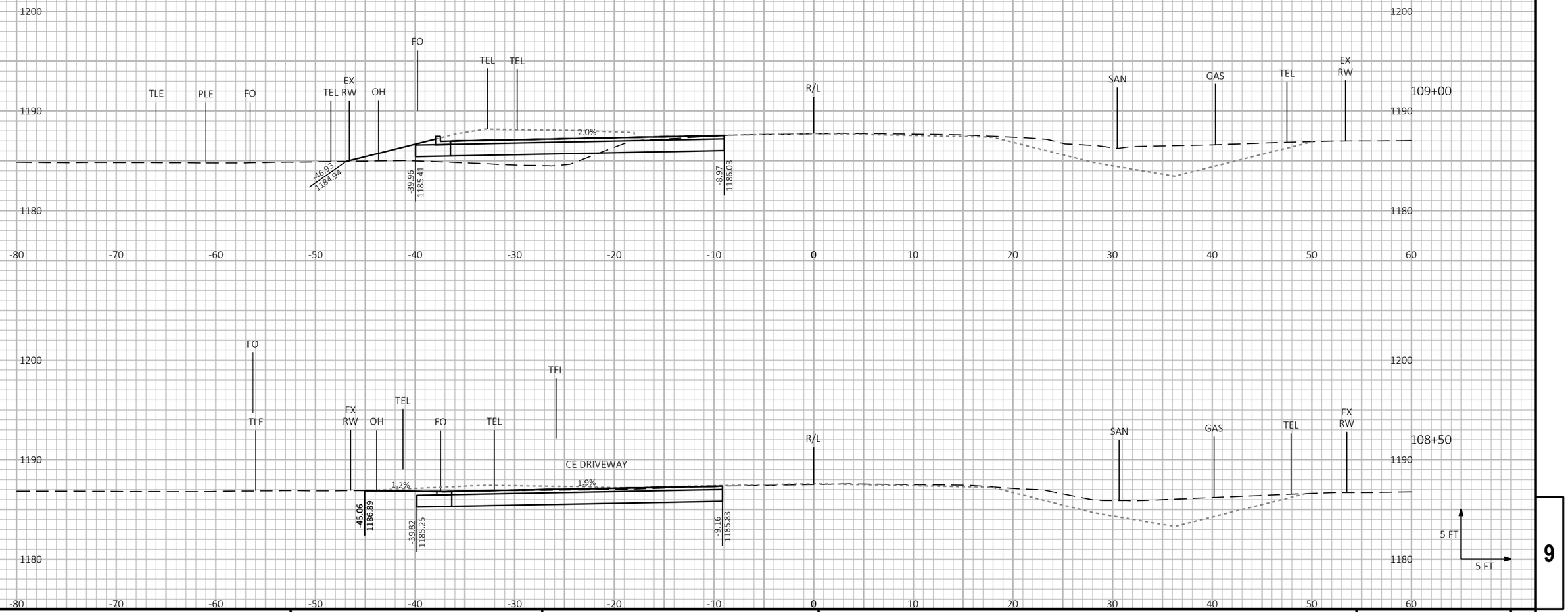
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 592	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 13
PLOT DATE : 8/24/2023 5:48 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

LEGEND

FINISHED SURFACE ----------
(CONSTRUCTED IN STAGE 3B AND 4)

NOTE
CONSTRUCT TEMPORARY WIDENING IN STAGE 1 AND 3A.
SEE TRAFFIC CONTROL FOR ADDITIONAL INFORMATION.



9

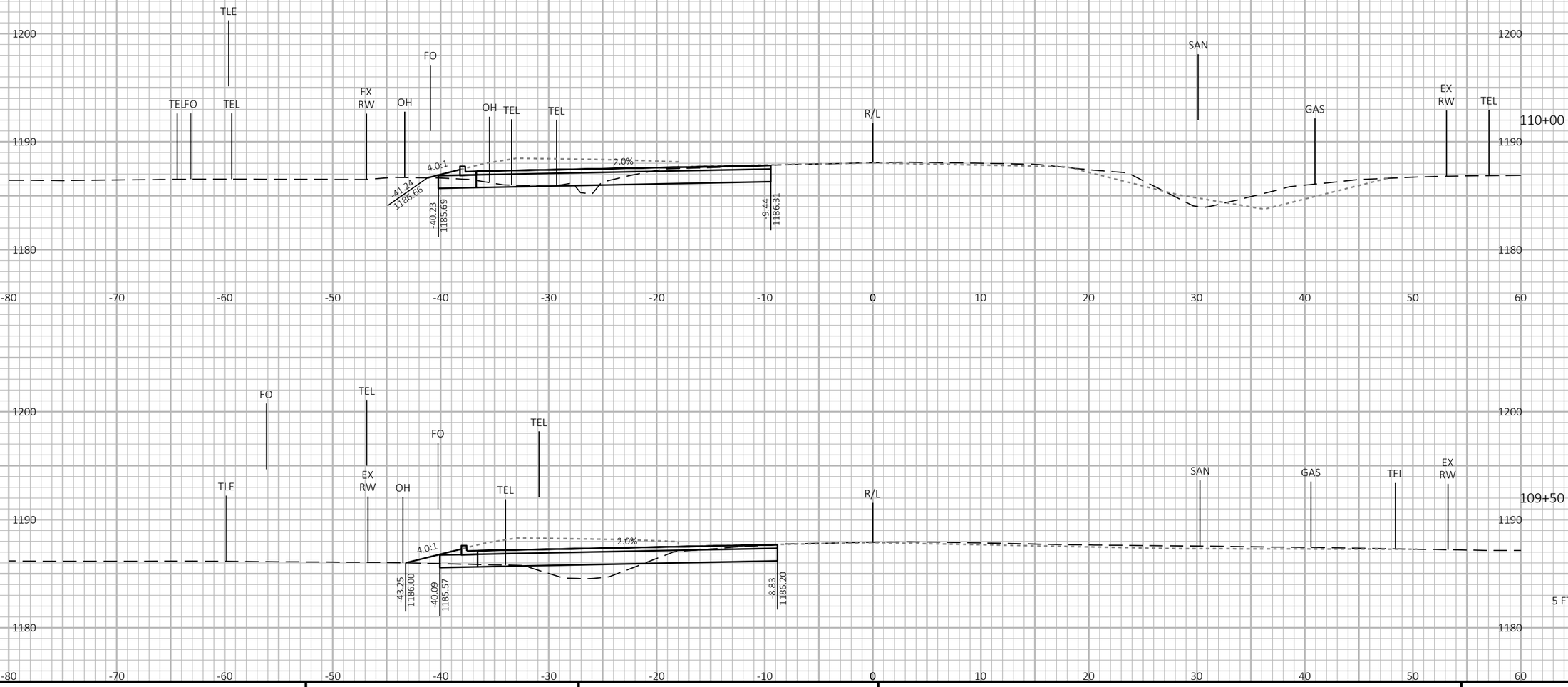
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 593	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 14

PLOT DATE : 8/24/2023 5:48 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

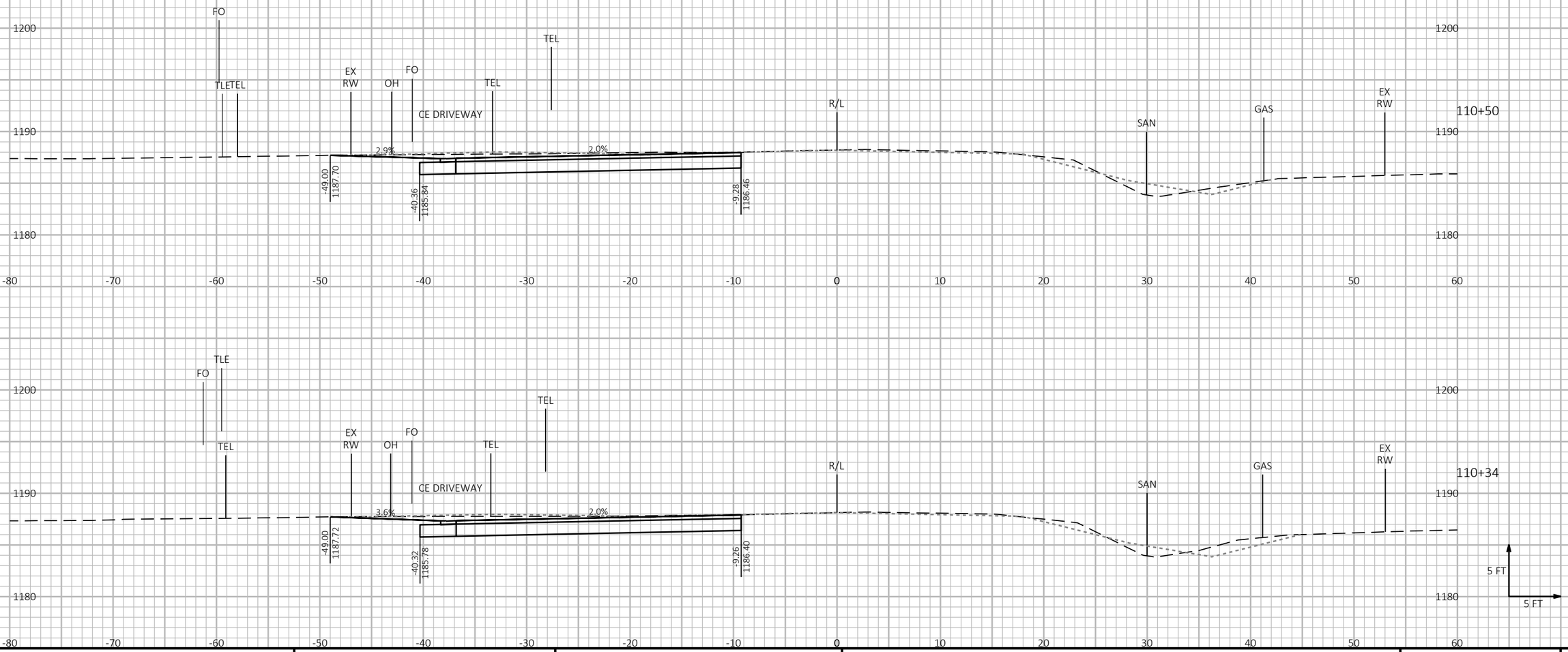


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 594	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 15

PLOT DATE : 8/24/2023 5:48 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

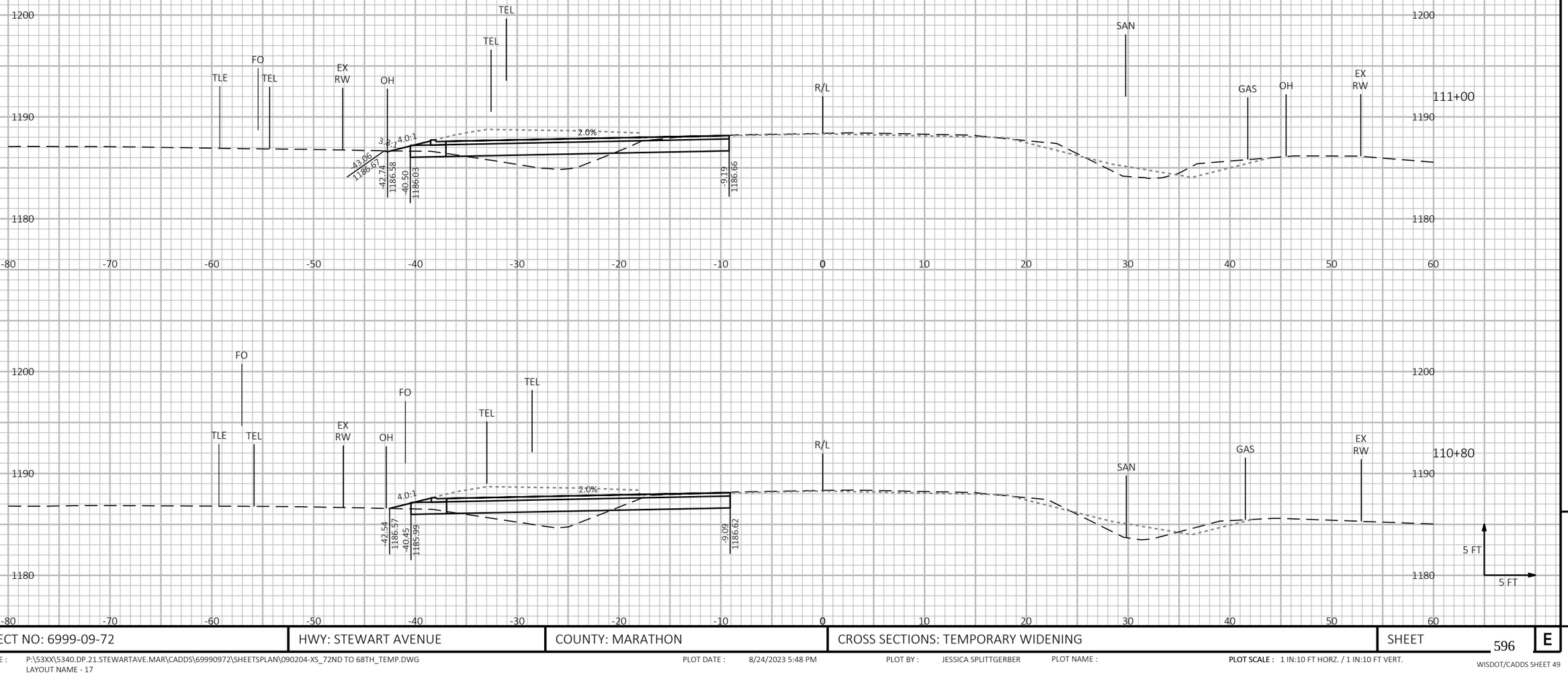
PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 595	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 16

PLOT DATE : 8/24/2023 5:48 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

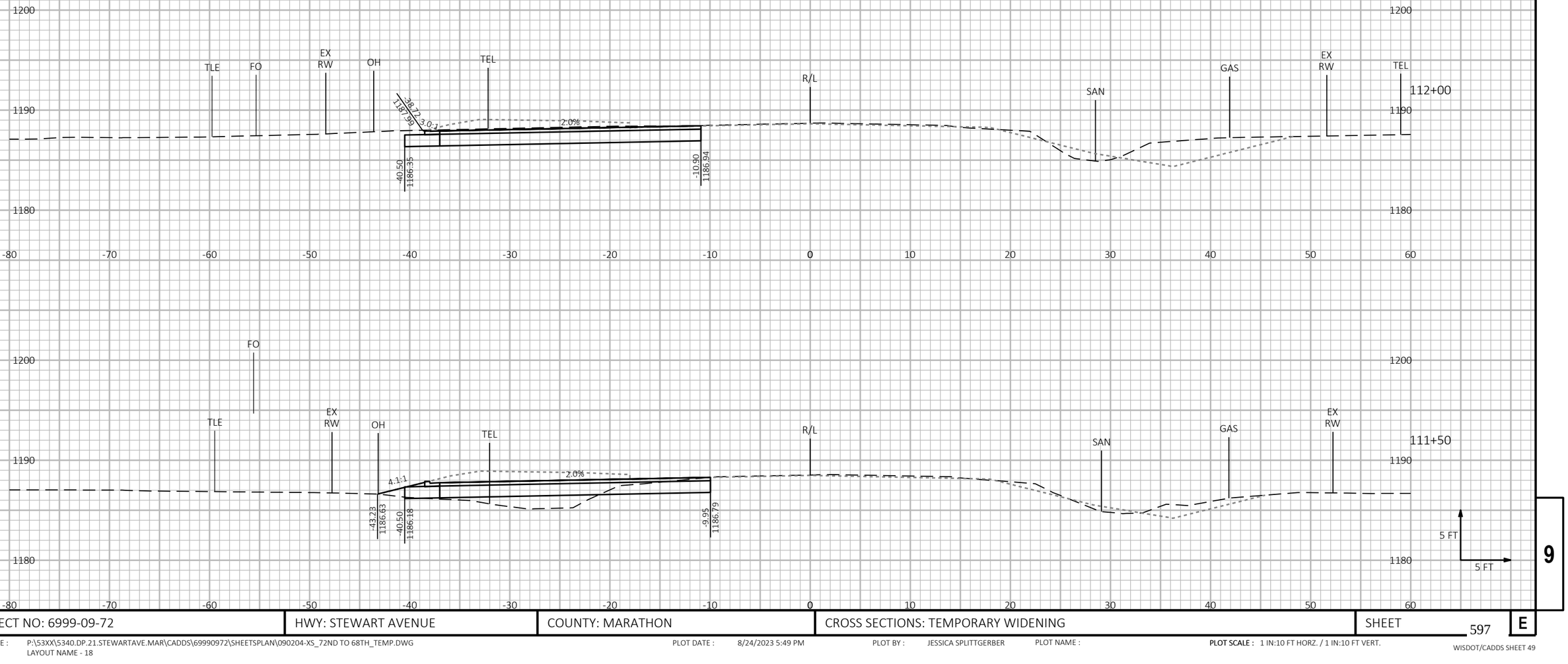
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 596	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 17

PLOT DATE : 8/24/2023 5:48 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

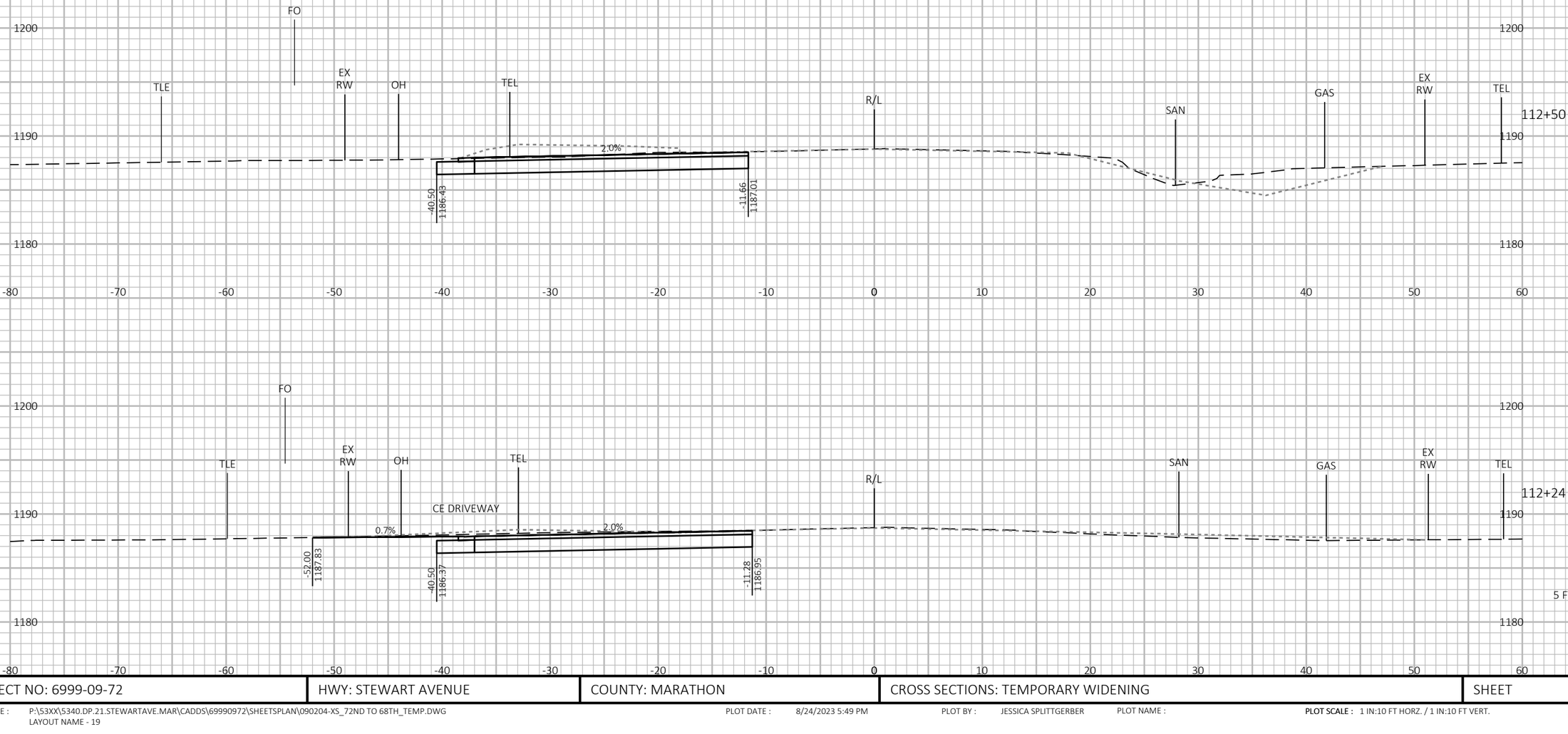
9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 597	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 18

PLOT DATE : 8/24/2023 5:49 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

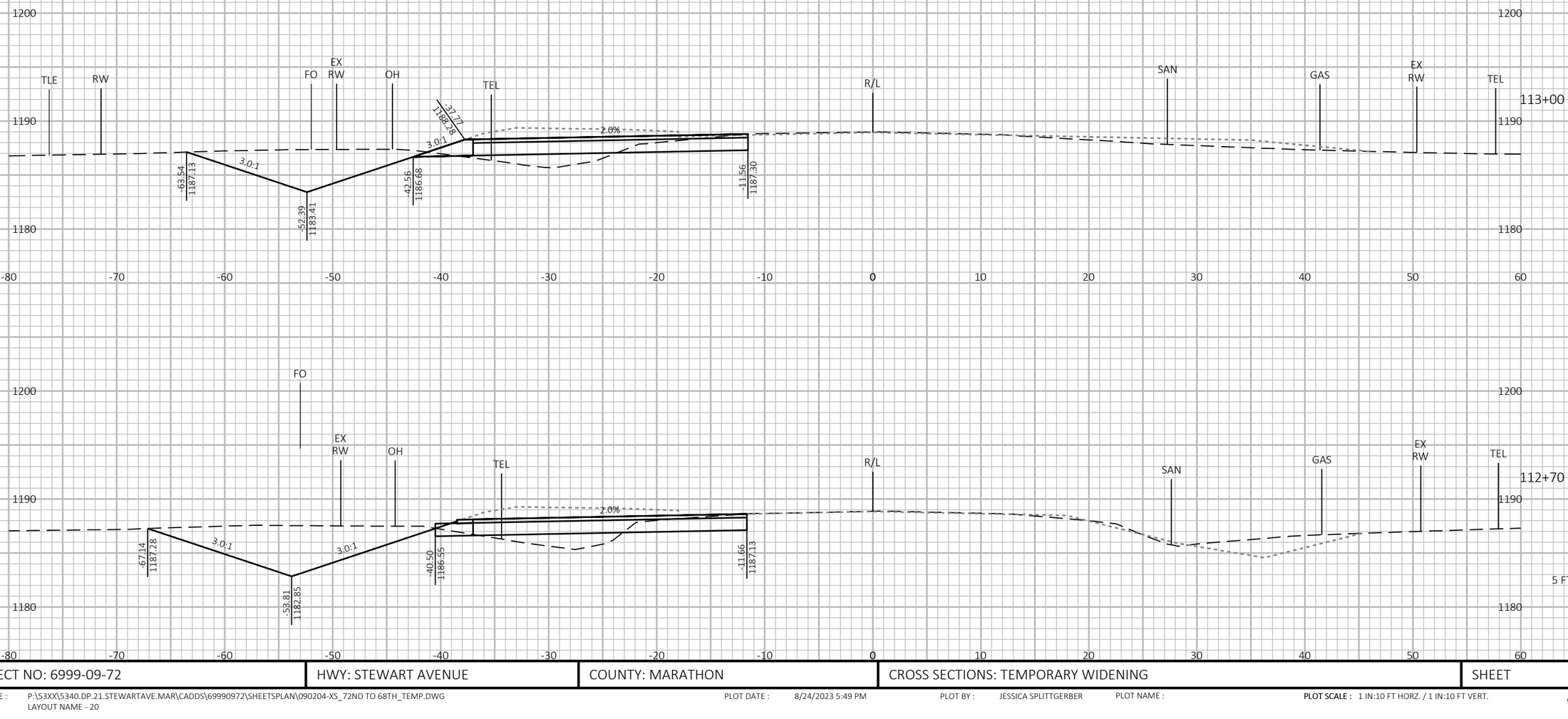
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PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 598	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 19

PLOT DATE : 8/24/2023 5:49 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

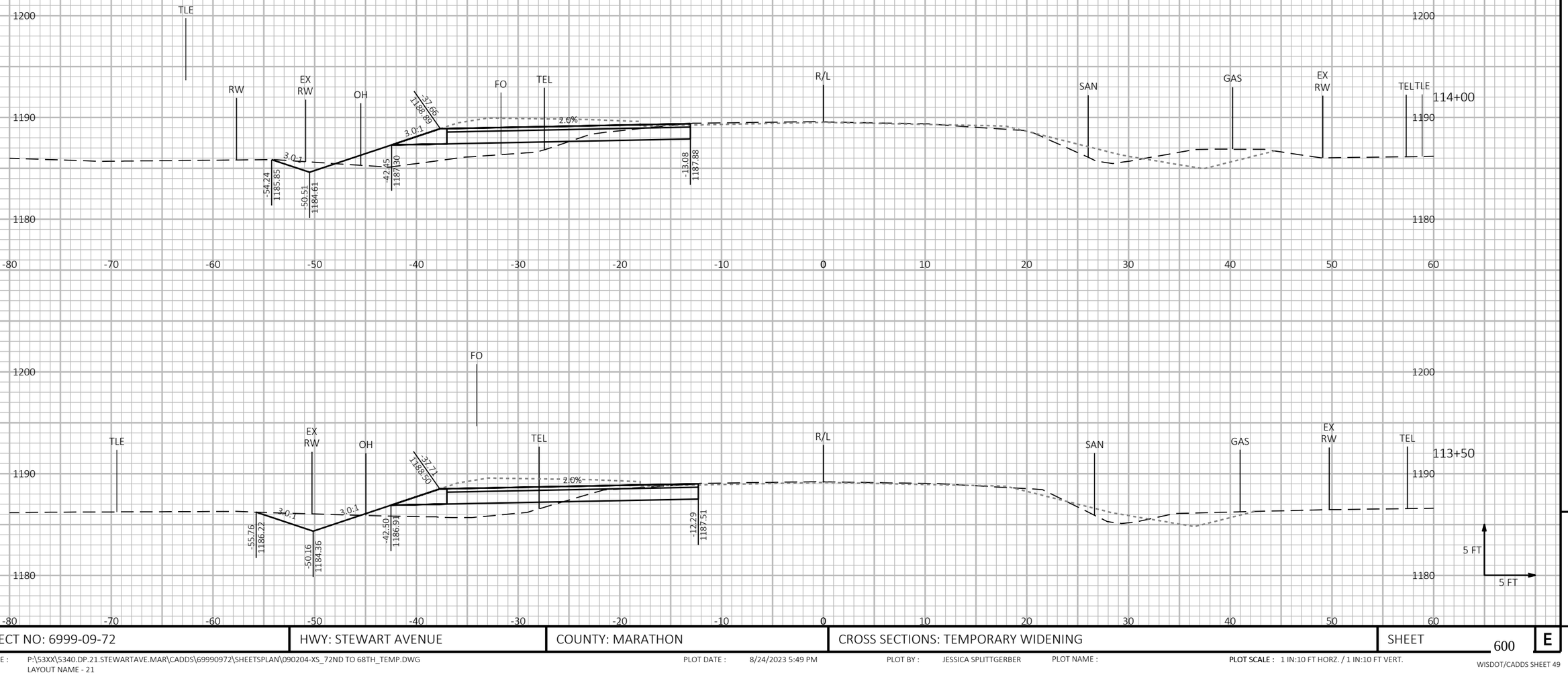


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 599	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 20

PLOT DATE : 8/24/2023 5:49 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

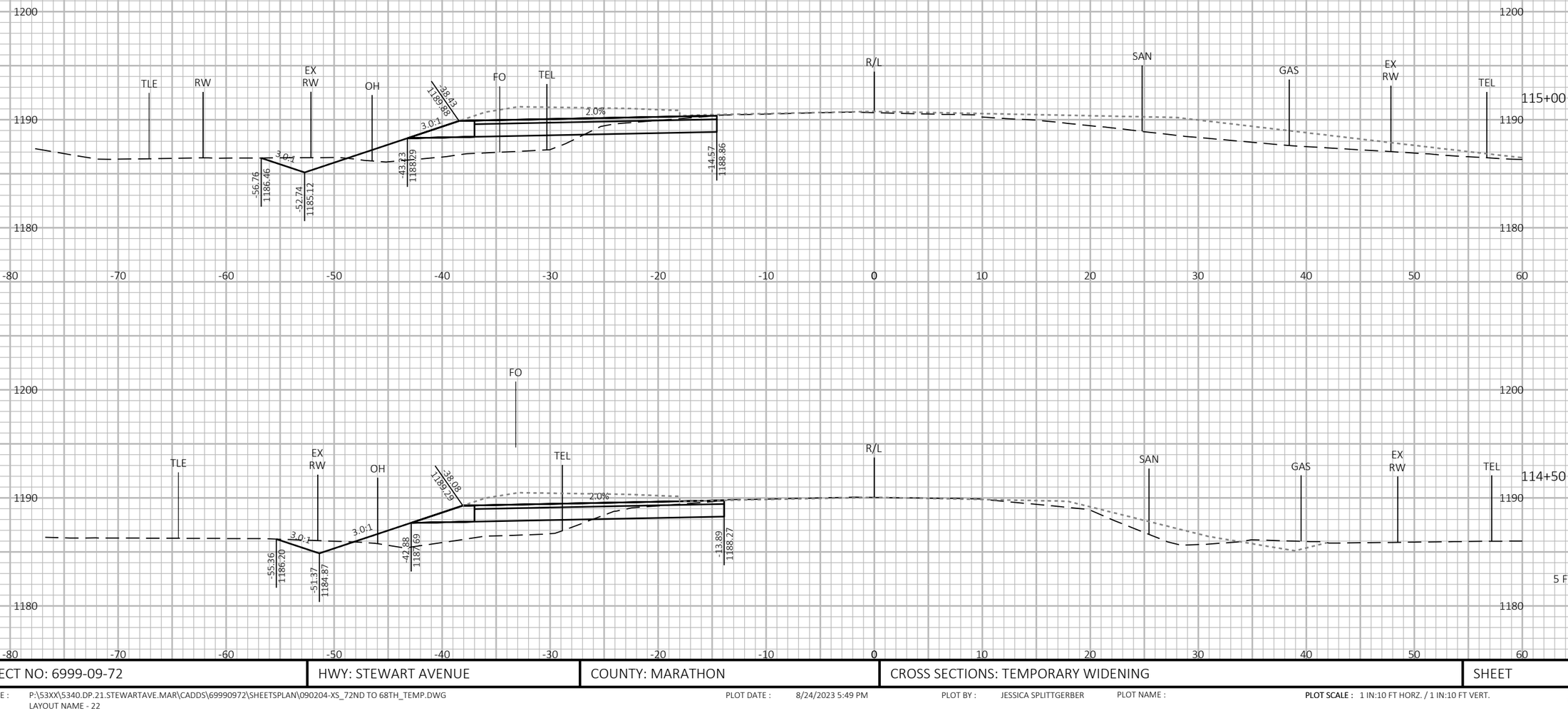


9 9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 600	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 21

PLOT DATE : 8/24/2023 5:49 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

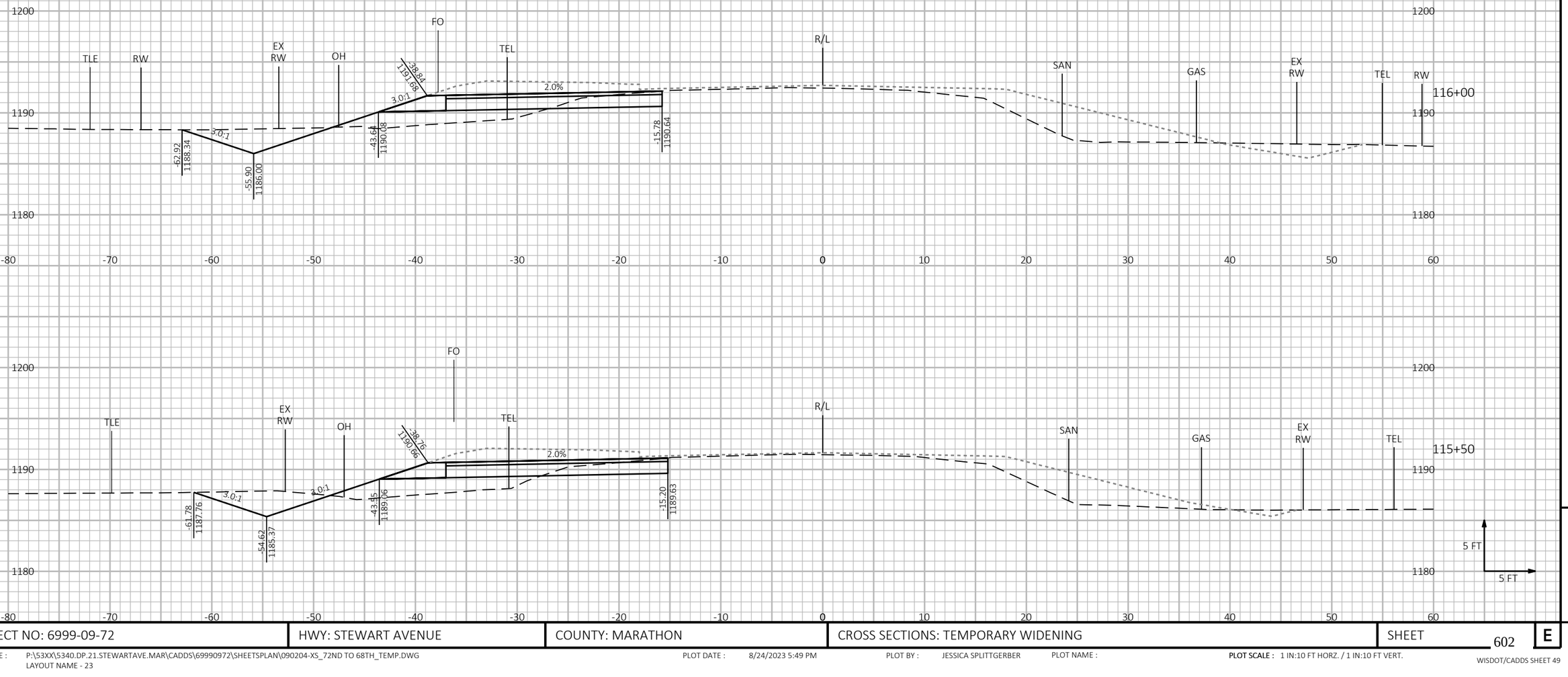


PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 601 E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 22

PLOT DATE : 8/24/2023 5:49 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

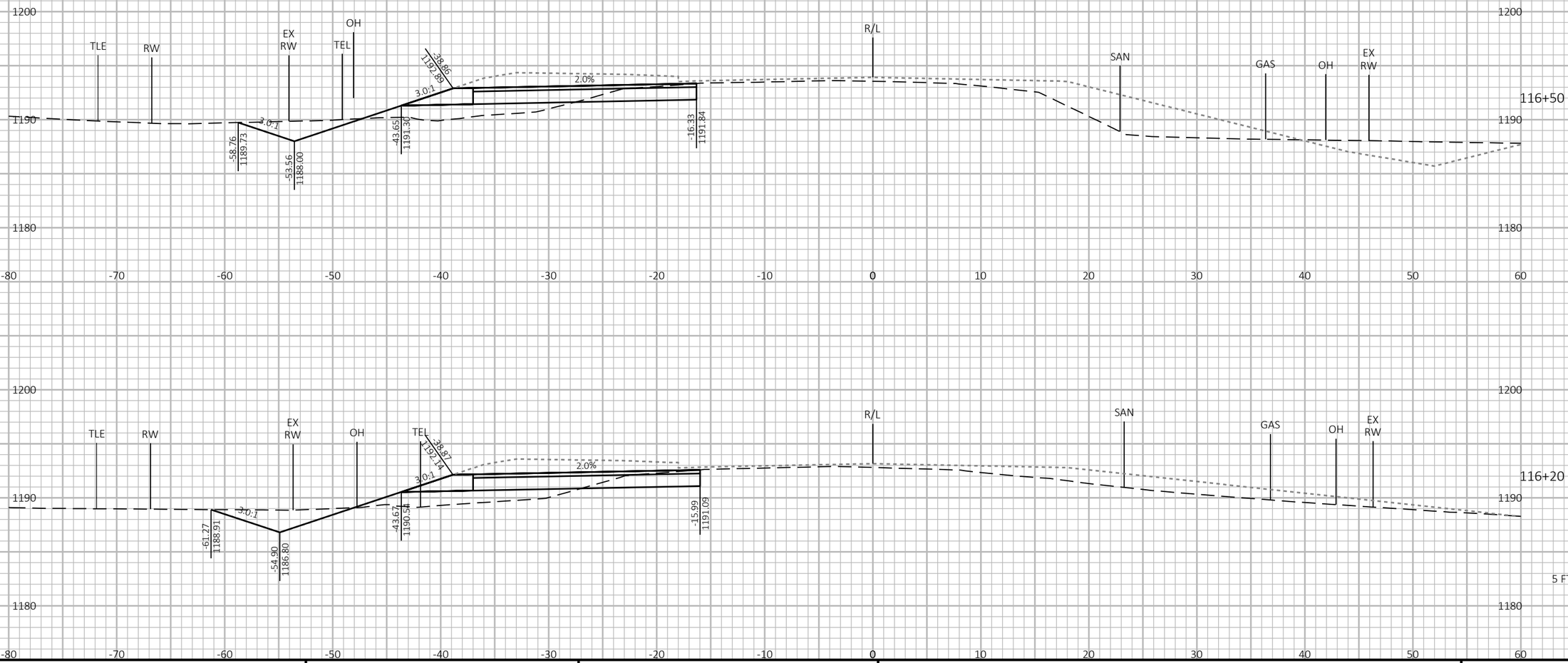
WISDOT/CADDS SHEET 49



PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 602	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 23

PLOT DATE : 8/24/2023 5:49 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



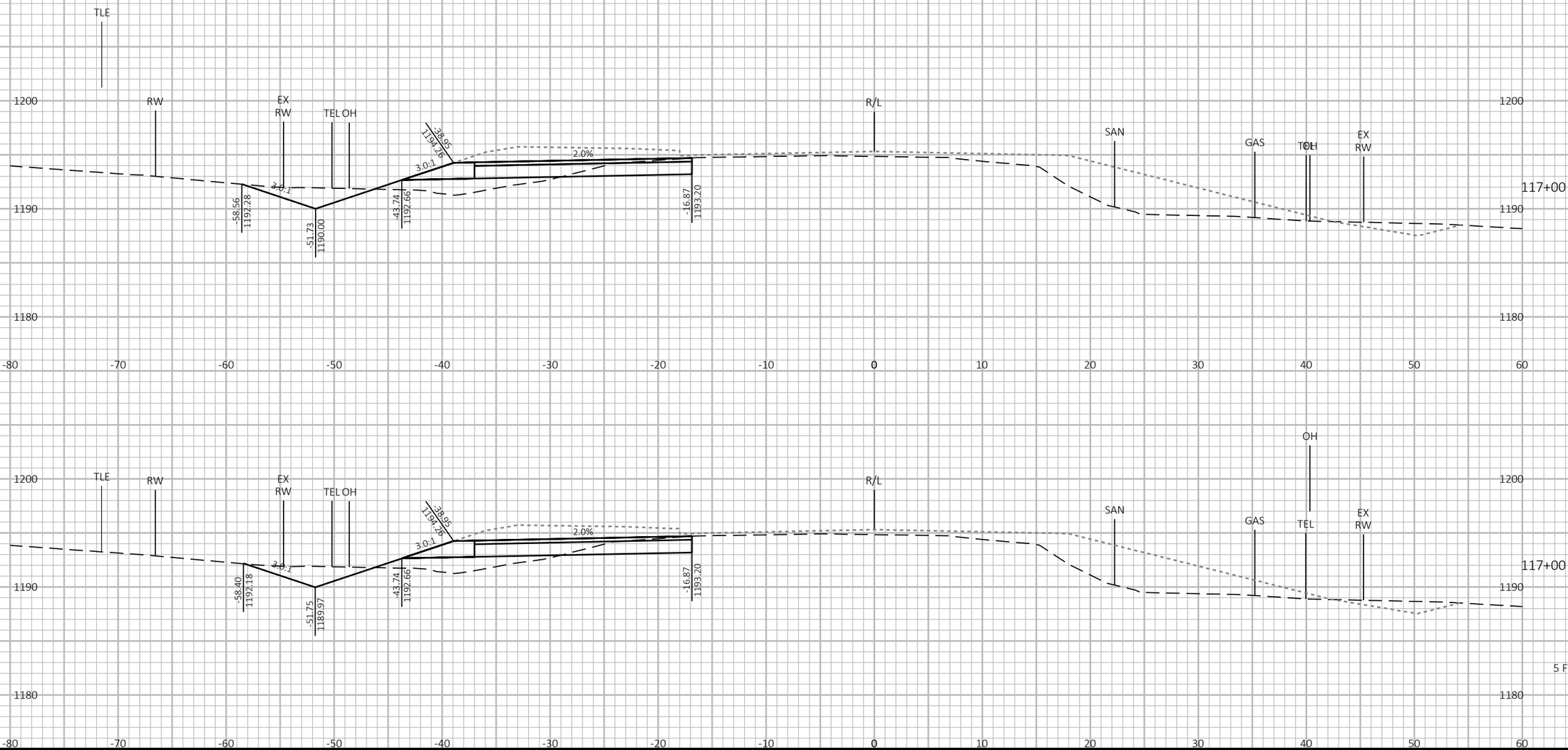
9

9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 603	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 24

PLOT DATE : 8/24/2023 5:50 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



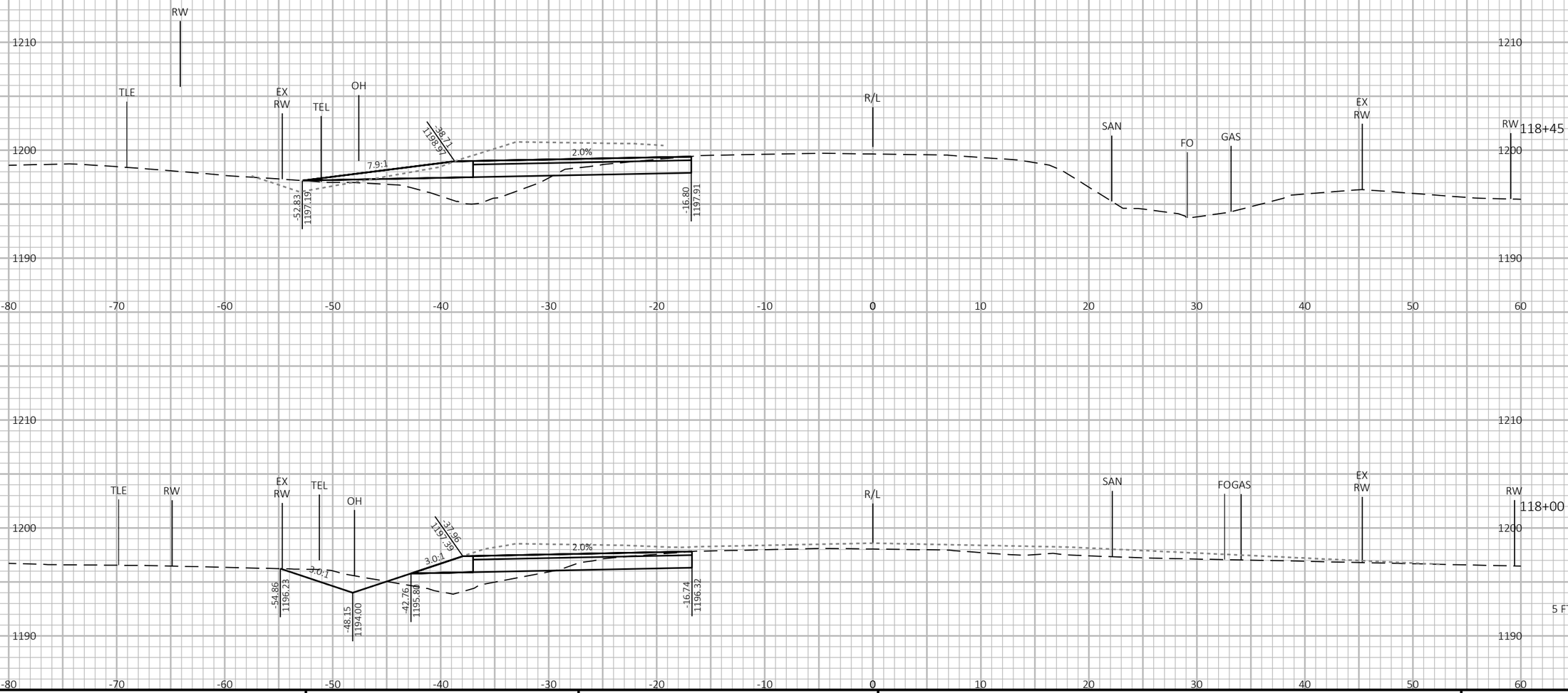
9 9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 604	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 25

PLOT DATE : 8/24/2023 5:50 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



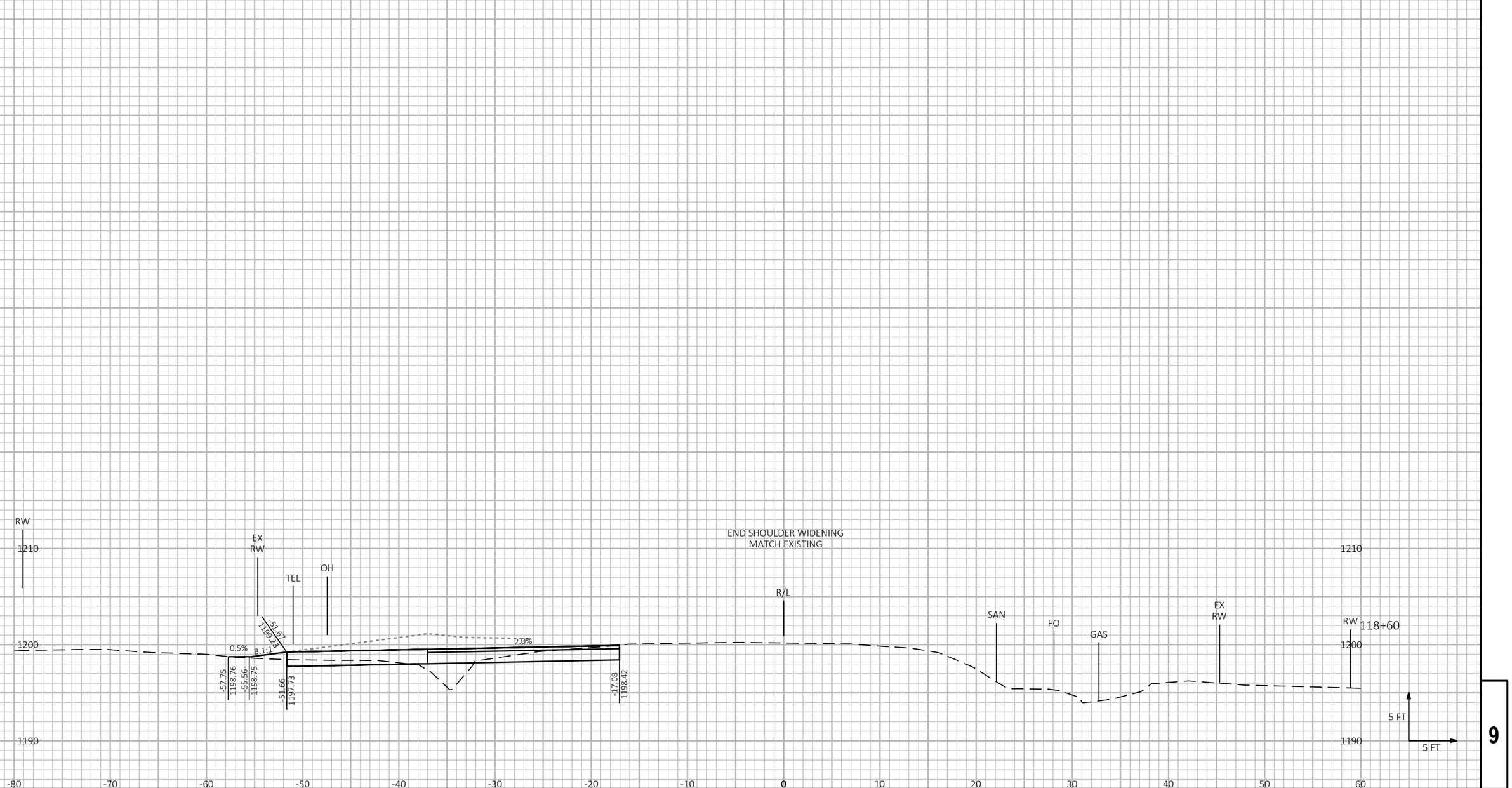
9

9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 605	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 26

PLOT DATE : 8/24/2023 5:50 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 6999-09-72	HWY: STEWART AVENUE	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 606	E

FILE NAME : P:\53XX\5340.DP.21.STEWARTAVE.MAR\CADDS\69990972\SHEETSPLAN\090204-XS_72ND TO 68TH_TEMP.DWG
LAYOUT NAME - 27

PLOT DATE : 8/24/2023 5:50 PM PLOT BY : JESSICA SPLITTGERBER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov