RHI

Feb 08, 2022

PROJECT ID: 1600-28-61

WITH: N/A

COUNTY: ONEIDA

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Including 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 = 192

33

N

DESIGN DESIGNATION

A.A.D.T.	2022	=	4,350 - 5,750
A.A.D.T.	2042	=	5,150 - 6,550
D.H.V.	2042	=	710 - 900
D.D.		=	61/39
T.		=	10.7%
DESIGN SPEED		=	25 MPH - 55 MPH
ESALS		=	773,800

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

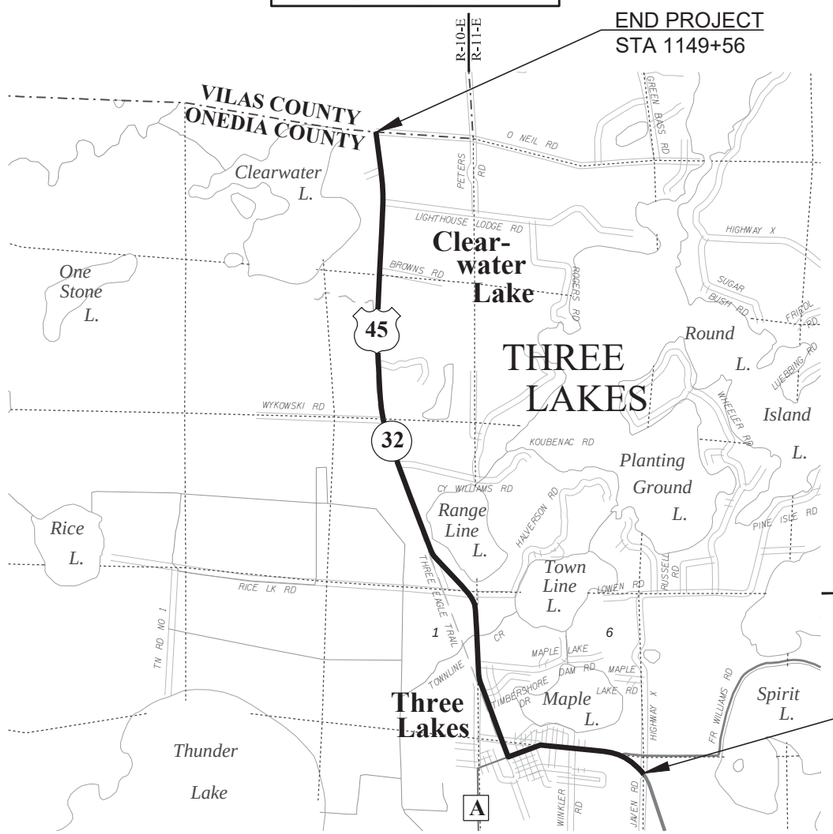
MONICO - EAGLE RIVER

STH 32 TO VILAS COUNTY LINE

USH 45

ONEIDA COUNTY

STATE PROJECT NUMBER
1600-28-61



LAYOUT

SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 5.223 MI

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

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1600-28-61		

emcs inc

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

WISCONSIN PROFESSIONAL ENGINEER
SCOTT M. KAISER
E-41772-6
MOSINEE
WI

10/21/21 (DATE)

Scott Kaiser (SIGNATURE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	EMCS, INC.
Designer	EMCS, INC.
Project Manager	KAI KILEN
Regional Examiner	ZACH GRULING
Regional Supervisor	DANIEL ERVA

APPROVED FOR THE DEPARTMENT

DATE: 10/22/2021 (Signature)

E

GENERAL NOTES

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT 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.

USH 45 AND STH 32 RUN CONCURRENTLY. FOR THE PURPOSES OF THIS PLAN, STH 32 AND USH 45 WILL BE REFERRED TO AS USH 45.

AS-BUILTS USED FOR PLAN DEVELOPMENT

PROJECT NO: 7884, CONSTRUCTION YEAR: 1931
PROJECT NO: T09-2(33), CONSTRUCTION YEAR: 1963
PROJECT NO: 1602-1-70, CONSTRUCTION YEAR: 1968
PROJECT NO: 1601-3-70, CONSTRUCTION YEAR: 1978
PROJECT NO: 1601-08-70, CONSTRUCTION YEAR: 1992
PROJECT NO: 1600-26-60 & 1600-28-60, CONSTRUCTION YEAR: 2008

ORDER OF SECTION 2 SHEETS

PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PAVING DETAILS
CURB RAMP DETAILS
EROSION CONTROL
STORM SEWER
PERMANENT SIGNING AND MARKING
TRAFFIC CONTROL

UTILITIES

COMMUNICATIONS

ASTREA
ANDY HEIGL
105 KENT ST
IRON MOUNTAIN, MI 49801
OFFICE PHONE: (906) 221-7536
ANDY.HEIGL@ASTREACONNECT.COM

FRONTIER COMMUNICATIONS OF WI LLC
MICHAEL PEART
106 N 5TH ST
ATWATER, MN 56209
MOBILE PHONE: (320) 441-8788
MICHAEL.PEART@FTR.COM

ELECTRIC - DISTRIBUTION

WISCONSIN PUBLIC SERVICE CORPORATION
KEVIN TERMAAT
P.O. BOX 1166
WAUSAU, WI 54401-1166
OFFICE PHONE: (715) 848-7353
KEVIN.TERMAAT@WISCONSINPUBLICSERVICE.COM

ELECTRIC - TRANSMISSION

ATC MANAGEMENT, INC.
CHRIS DAILEY
P.O. BOX 47
WAUKESHA, WI 53187
OFFICE PHONE: (262) 506-6884
CDAILEY@ATCLLC.COM

GAS/PETROLEUM

WISCONSIN PUBLIC SERVICE CORPORATION
CHRIS GILMAN
2027 NAVAJO ST
P.O. BOX 160
RHINELANDER, WI 54501
OFFICE PHONE: (715) 369-7133
MOBILE PHONE: (715) 490-4153
CHRIS.GILMAN@WISCONSINPUBLICSERVICE.COM

24-HOUR GAS EMERGENCY NUMBER

WISCONSIN PUBLIC SERVICE CORPORATION
1-800-450-7280

SANITARY SEWER
SEND ALL THREE LAKES SANITARY DISTRICT CORRESPONDENCE TO:

THREE LAKES SANITARY DISTRICT NO 1
DOUG WALLSCHLAEGER
6977 EAST SCHOOL ST
THREE LAKES, WI 54562
MOBILE PHONE: (715) 617-4883
TLSANITARY@TOWNOFTHREELAKES.COM

THREE LAKES SANITARY DISTRICT CONSTRUCTION FIELD CONTACT:

THREE LAKES SANITARY DISTRICT NO 1
PLANT OPERATOR
6965 WEST SCHOOL ST
THREE LAKES, WI 54562
OFFICE PHONE: (715) 617-1487
TLSANITARY@TOWNOFTHREELAKES.COM

WATER
SEND ALL THREE LAKES SANITARY DISTRICT CORRESPONDENCE TO:

THREE LAKES SANITARY DISTRICT NO 1
DOUG WALLSCHLAEGER
6977 EAST SCHOOL ST
THREE LAKES, WI 54562
MOBILE PHONE: (715) 617-4883
TLSANITARY@TOWNOFTHREELAKES.COM

THREE LAKES SANITARY DISTRICT CONSTRUCTION FIELD CONTACT:

THREE LAKES SANITARY DISTRICT NO 1
PLANT OPERATOR
6965 WEST SCHOOL ST
THREE LAKES, WI 54562
OFFICE PHONE: (715) 617-1487
TLSANITARY@TOWNOFTHREELAKES.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 = 79.9 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 2.9 ACRES

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

OTHER CONTACTS

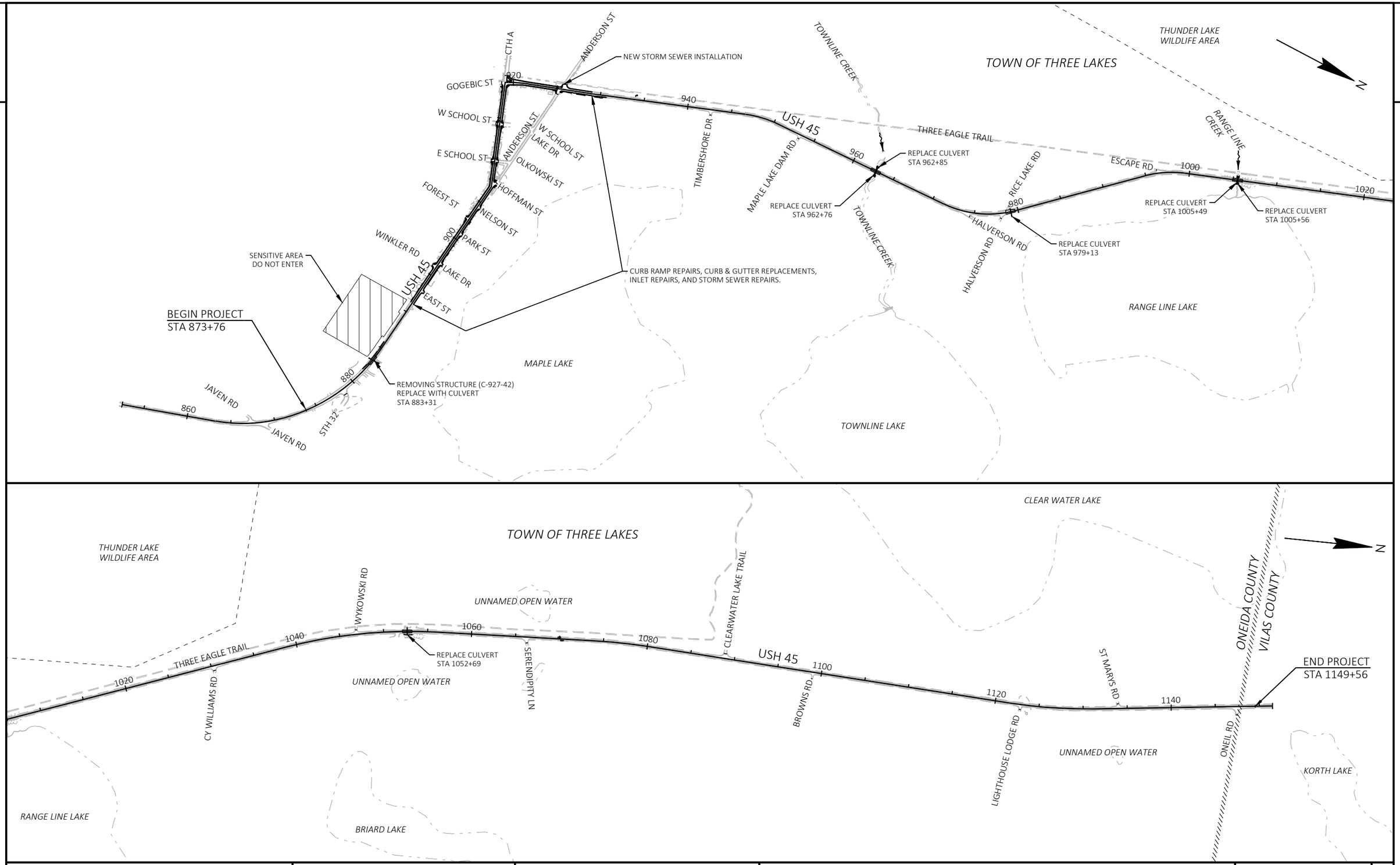
DNR LIAISON

WENDY HENNINGES
DNR NORTHERN REGION HEADQUARTERS
107 SUTLIFF AVE
RHINELANDER, WI 54501
(715) 365-8916
WENDY.HENNIGES@WISCONSIN.GOV

LIGHTING CONTACT

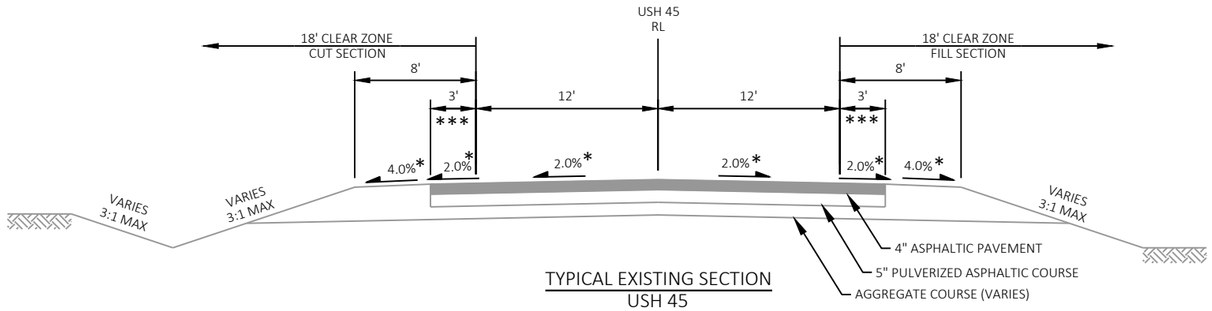
TOWN OF THREE LAKES
JOSH PAETOW
P.O. BOX 565
TOWN SHOP: 6921 RAILROAD STREET
THREE LAKES, WI 54562
(715) 546-3530
PWSUPERINTENDENT@TOWNOFTHREELAKES.COM

2



PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PROJECT OVERVIEW	SHEET 3	E

2

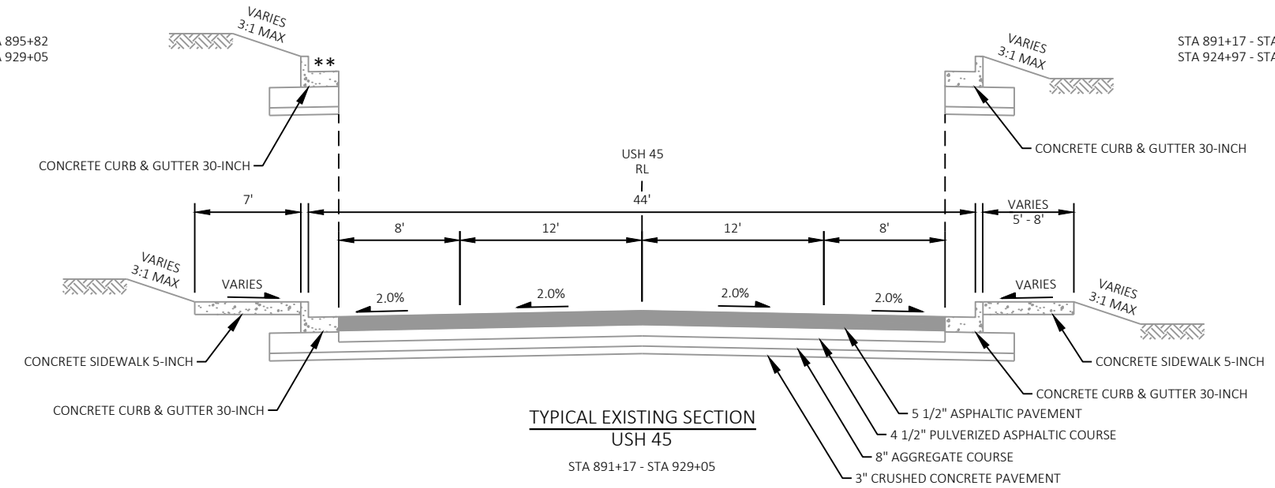


TYPICAL EXISTING SECTION
USH 45

STA 873+76 - STA 891+17

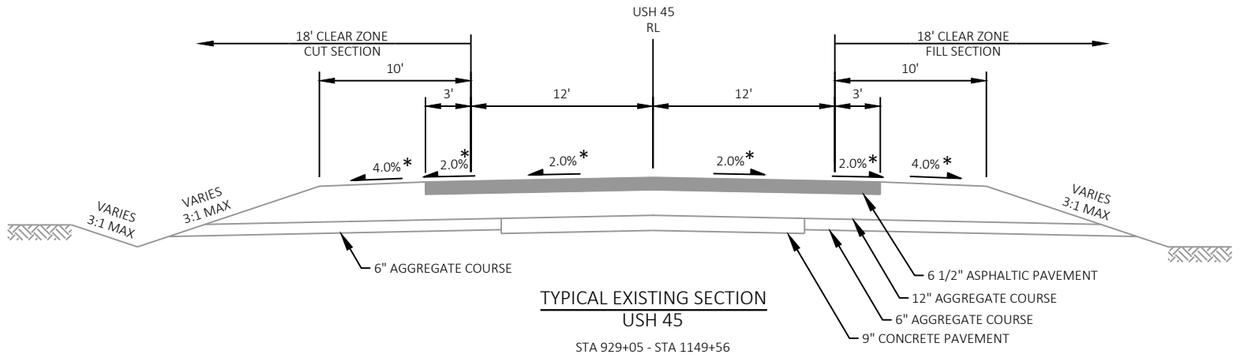
STA 891+17 - STA 895+82
STA 919+07 - STA 929+05

STA 891+17 - STA 895+83
STA 924+97 - STA 929+05



TYPICAL EXISTING SECTION
USH 45

STA 891+17 - STA 929+05



TYPICAL EXISTING SECTION
USH 45

STA 929+05 - STA 1149+56

NOTES

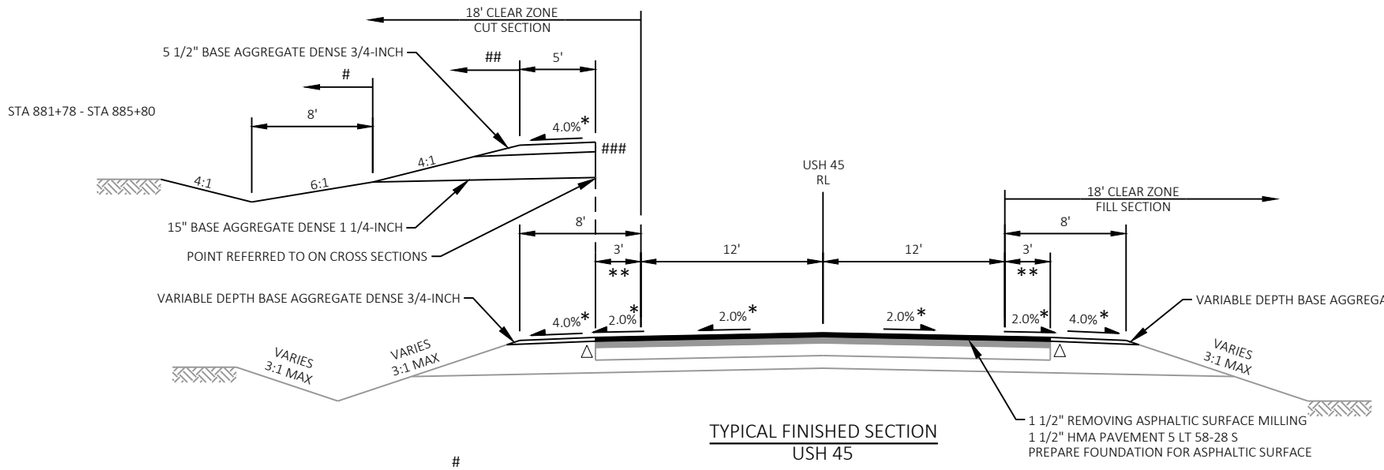
* CROSS SLOPE VARIES DUE TO SUPERELEVATION, SEE SECTION 5 PLANS FOR SUPERELEVATION INFORMATION

** CONCRETE CURB & GUTTER DOES NOT EXIST BETWEEN STA 891+17 - STA 891+20, LT AND STA 929+02 - STA 929+05, LT

*** PAVED WIDTH VARIES 3' TO 12' FOR GUARDRAIL AND BYPASS LANE BETWEEN STA 874+05 - STA 885+80, LT AND 3' TO 25' FOR RIGHT TURN LANES BETWEEN STA 874+05 - STA 882+25, RT

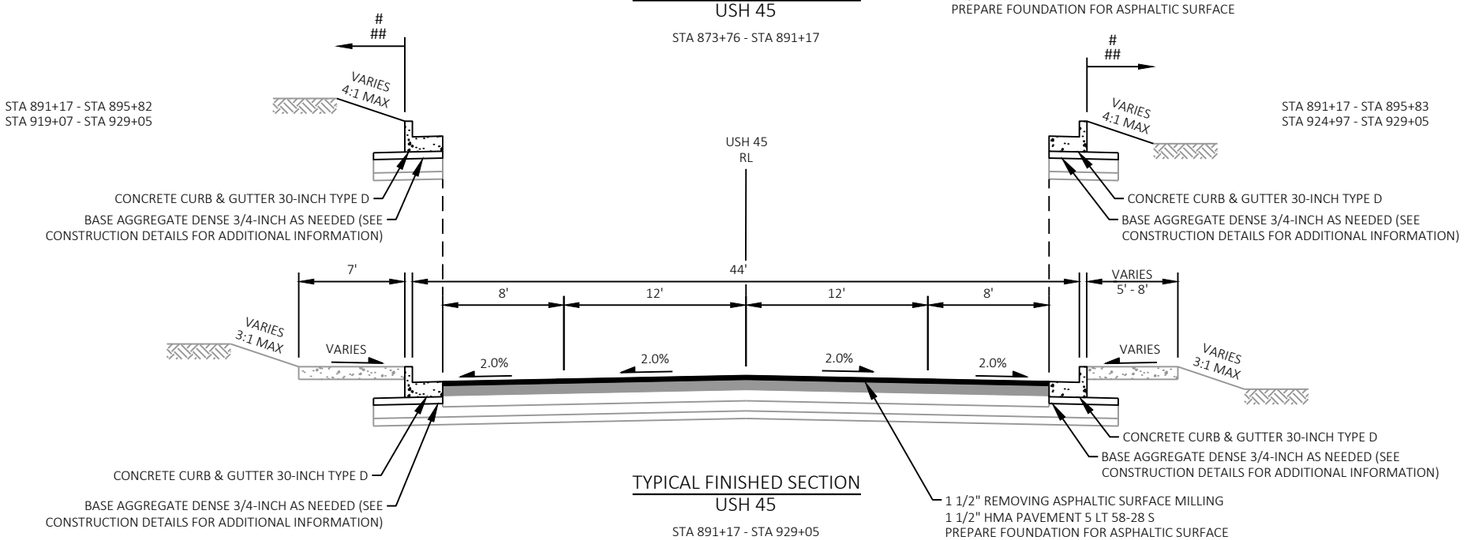
AN ADDITIONAL LAYER OF VARIABLE DEPTH FILL IS LOCATED BETWEEN THE CONCRETE PAVEMENT AND THE AGGREGATE COURSE BETWEEN STA 993+15 - STA 1006+15

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	TYPICAL SECTIONS	SHEET 4	E



TYPICAL FINISHED SECTION
USH 45

STA 873+76 - STA 891+17



TYPICAL FINISHED SECTION
USH 45

STA 891+17 - STA 929+05

NOTES

* CROSS SLOPE VARIES DUE TO SUPERELEVATION, SEE SECTION 5 PLANS FOR SUPERELEVATION INFORMATION

** PAVED WIDTH VARIES 3' TO 12' FOR BYPASS LANE BETWEEN STA 874+05 - STA 882+50, LT AND 3' TO 25' FOR RIGHT TURN LANES BETWEEN STA 874+05 - STA 882+25, RT

(CR) ASPHALTIC CENTERLINE RUMBLE STRIP 2-LANE RURAL, STA 931+50 - STA 1149+56, SEE SDD "2-LANE RURAL CENTERLINE RUMBLE STRIP, MILLING" FOR ADDITIONAL INFORMATION

△ PAVEMENT SAFETY EDGE REQ'D, SEE SDD "SAFETY EDGE" FOR ADDITIONAL INFORMATION

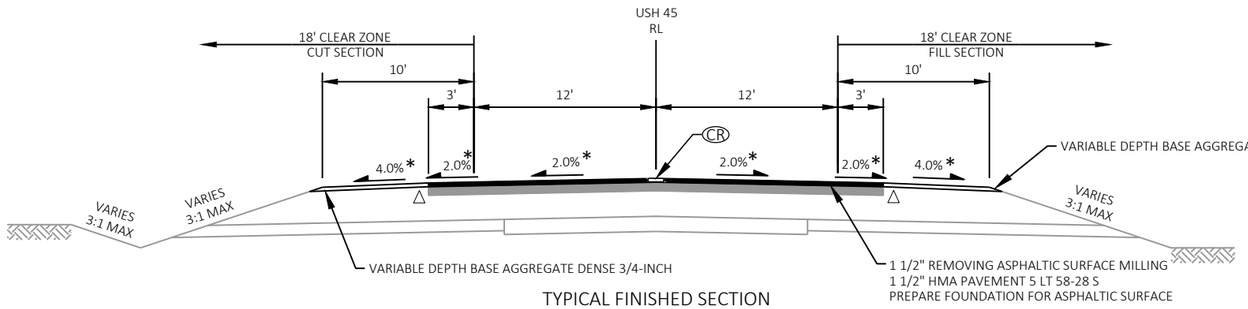
\# TOPSOIL AND EROSION MAT, SEE EROSION CONTROL PLANS FOR ADDITIONAL INFORMATION

SEEDING AND FERTILIZER

SAW EXISTING ASPHALT ROADWAY AND GRADE 4:1 MAX SLOPE (SEE CROSS SECTIONS FOR ADDITIONAL INFORMATION)

SEE CONSTRUCTION DETAIL FOR SHOULDER PAVING AT SNOWMOBILE TRAIL CROSSING AT STA 1070+12

SEE CONSTRUCTION DETAIL FOR PATCH AT CURB & GUTTER REPLACEMENTS PRIOR TO MILL & OVERLAY



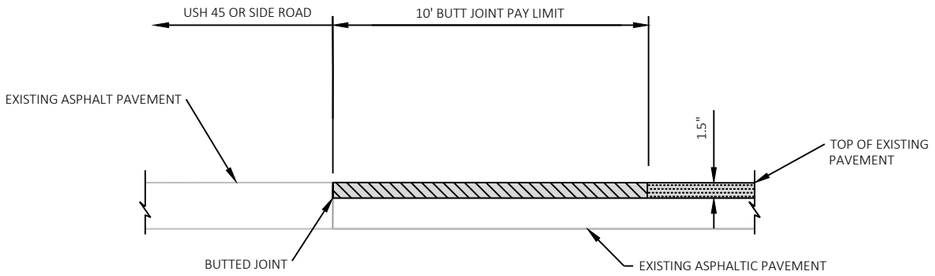
TYPICAL FINISHED SECTION
USH 45

STA 929+05 - STA 1149+56

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	TYPICAL SECTIONS	SHEET 5	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 02

PLOT DATE : 12/2/2021 2:10 PM PLOT BY : SCOTT KAISER PLOT NAME : PLOT SCALE : 1 IN:10 FT



REMOVING ASPHALTIC SURFACE BUTT JOINTS
DO NOT REMOVE MATERIAL UNDER THIS ITEM UNTIL 24 HOURS BEFORE PAVING

REMOVING ASPHALTIC SURFACE MILLING

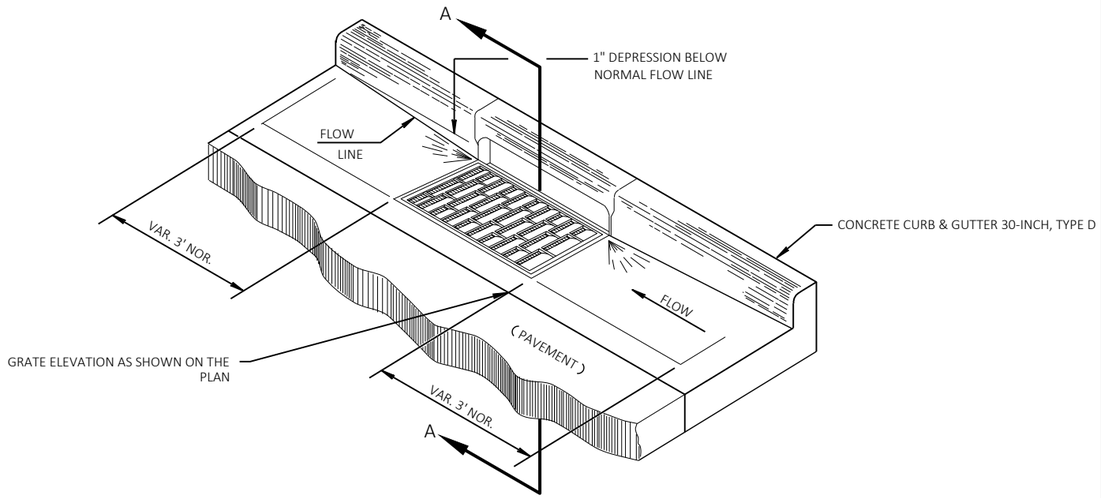
PROPOSED HMA PAVEMENT OVERLAY

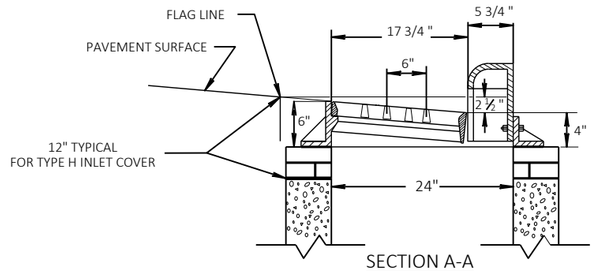
MAINLINE AND SIDE ROAD BUTT JOINT DETAIL

STA 873+76 (BEGIN PROJECT)
STA 1149+56 (END PROJECT)
SIDE ROADS (SEE SECTION 5 PLANS FOR LOCATIONS)

NOTE

FOR BASE AGGREGATE SIDE ROADS, EXTEND MILL AND OVERLAY TO END OF EXISTING PAVEMENT LIMITS, NO BUTT JOINT REQUIRED

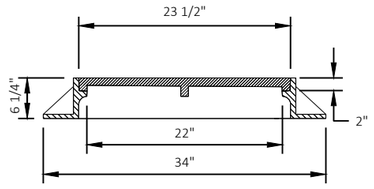




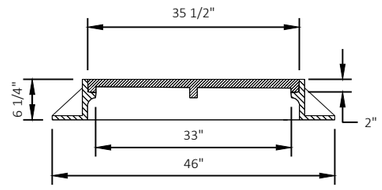
SECTION A-A

CONCRETE CURB & GUTTER AT INLETS DETAIL

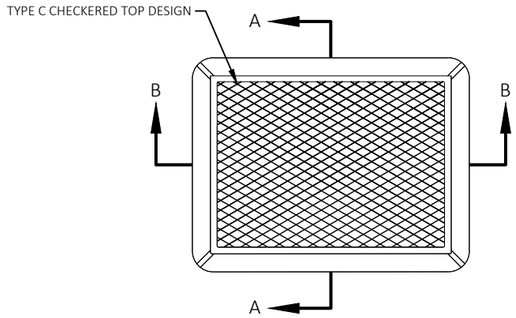
(TYPE 2X3-FT / H INLET SHOWN)



SECTION A-A

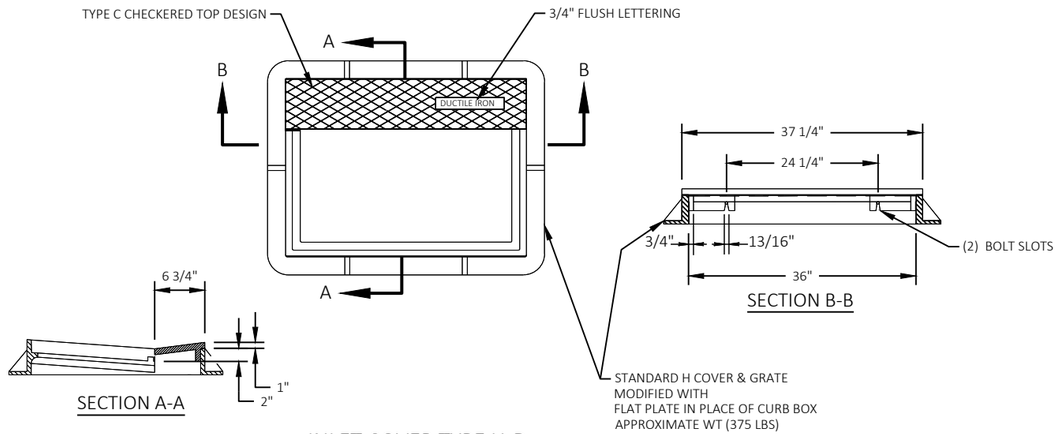


SECTION B-B



INLET COVERS TYPE SOLID LID

STA 914+00, LT



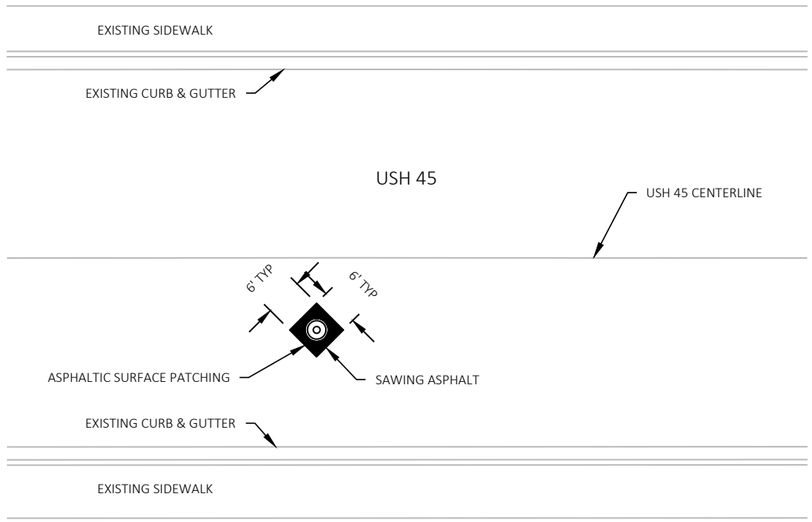
SECTION A-A

SECTION B-B

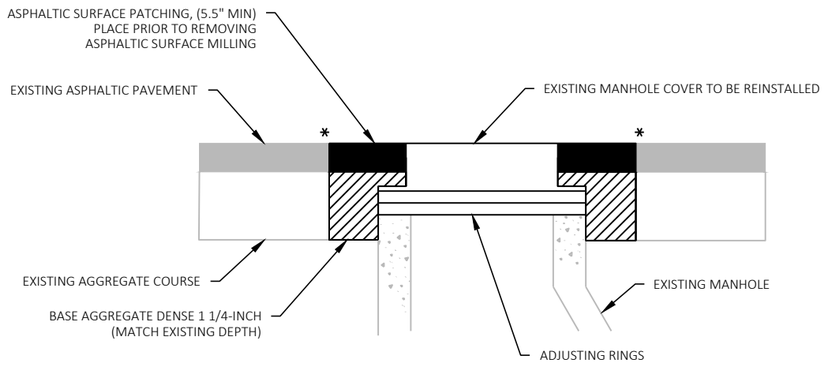
INLET COVER TYPE H-D

(WITH MOUNTABLE CURB PLATE)
STA 896+45, RT
STA 902+40, LT
STA 918+56, LT
STA 924+92, RT

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	CONSTRUCTION DETAILS	SHEET 6	E



PLAN VIEW



ADJUSTING MANHOLE COVERS AND ADJUSTING SANITARY SEWER MANHOLE COVERS IN ASPHALTIC PAVEMENT

STA 892+85 - STA 929+40

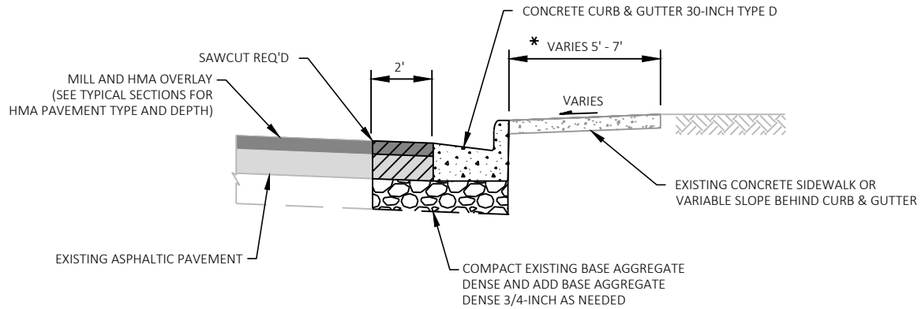
ADJUSTING MANHOLE COVERS AND ADJUSTING SANITARY SEWER MANHOLE COVERS DETAIL

STORM SEWER AND SANITARY SEWER MANHOLES

NOTES

* SAWCUT REQ'D

THE PATCHING FOR WATER VALVES SHOULD FOLLOW A SIMILAR DETAIL, EXCEPT THAT THE ANTICIPATED PAVEMENT REMOVAL AREA IS ESTIMATED AT 3' X 3'



CONCRETE CURB & GUTTER REPLACEMENT DETAIL

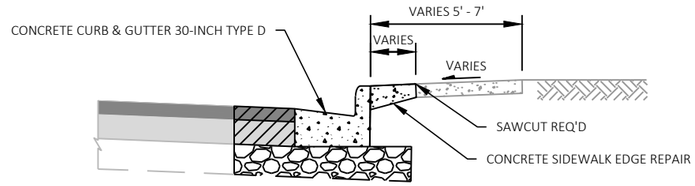
STA 891+17 - STA 929+05, RT
STA 891+20 - STA 929+02, LT

NOTES

COMPLETE CURB & GUTTER REPLACEMENTS AND ASPHALTIC SURFACE PATCHING TO MATCH THE EXISTING SURFACE PRIOR TO THE MILL AND OVERLAY OF USH 45

FOR DETAILS NOT SHOWN, SEE SDD "CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES"

* PLACE CURB AND GUTTER AGAINST THE BACK OF THE EXISTING SIDEWALK EXCEPT AT THE SPOT LOCATIONS WHERE SIDEWALK REPAIR WILL BE PAID (SEE CONSTRUCTION DETAIL). REMOVAL OF ANY ADDITIONAL SIDEWALK FOR REPLACEMENT OF CURB AND GUTTER AT THE CONVENIENCE OF THE CONTRACTOR IS INCIDENTAL TO TH4E CURB AND GUTTER.



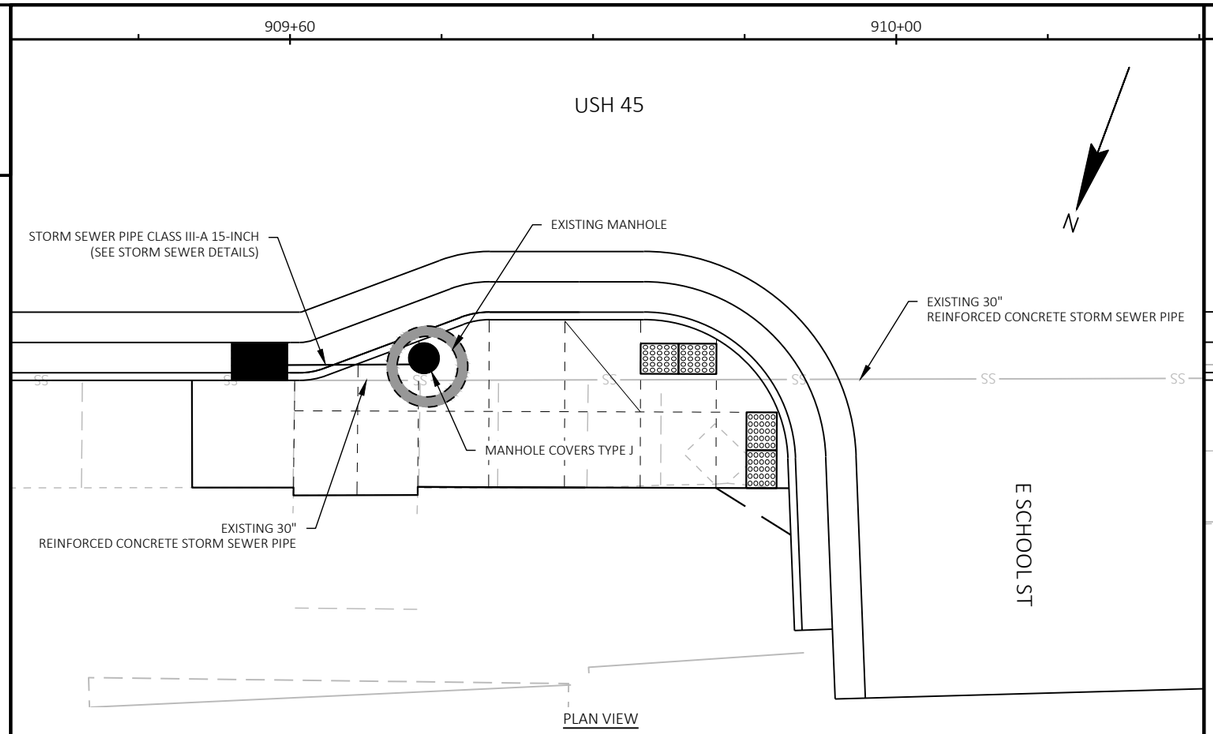
SIDEWALK REPAIR DETAIL

NOTES

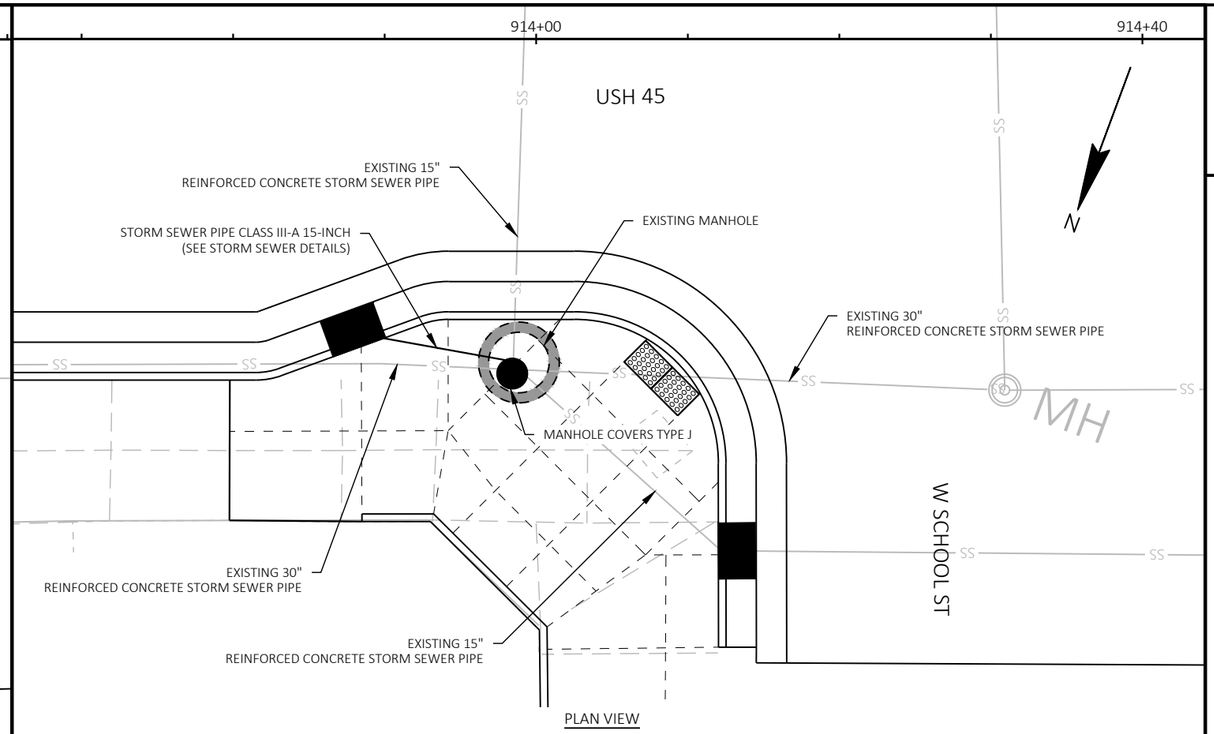
SIDEWALK REPAIR IN LOCATIONS WHERE THE EXISTING SIDEWALK IS DETERIORATED AND IS NEEDED TO CREATE A CLEAN EDGE BETWEEN THE SIDEWALK AND CURB AND GUTTER

COMPLETE SIDEWALK REPAIR PRIOR TO PLACING THE CURB AND GUTTER

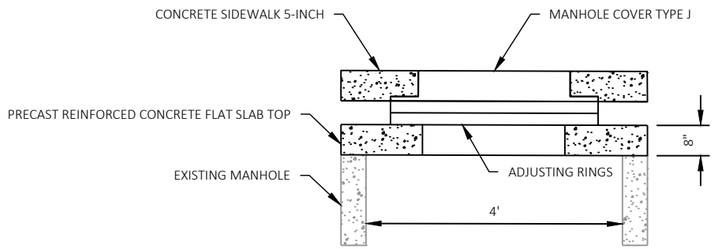
AREAS OF SIDEWALK REPAIR ARE SHOWN IN THE MISCELLANEOUS QUANTITIES, ANY ADDITIONAL AREAS DETERMINED IN THE FIELD WILL REQUIRE APPROVAL BY THE ENGINEER



PLAN VIEW



PLAN VIEW



PROFILE VIEW

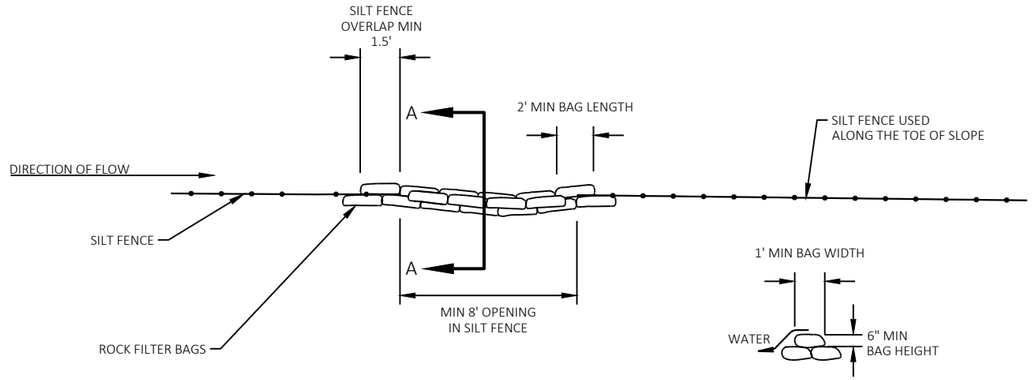
RECONSTRUCTING MANHOLE DETAIL

STA 909+69, RT
STA 913+99, RT

NOTE

SEE SDD "MANHOLES 3-FT, 4-FT, 5FT, 6-FT, 7-FT AND 8-FT DIAMETER" FOR ADDITIONAL INFORMATION

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	CONSTRUCTION DETAILS	SHEET 8	E



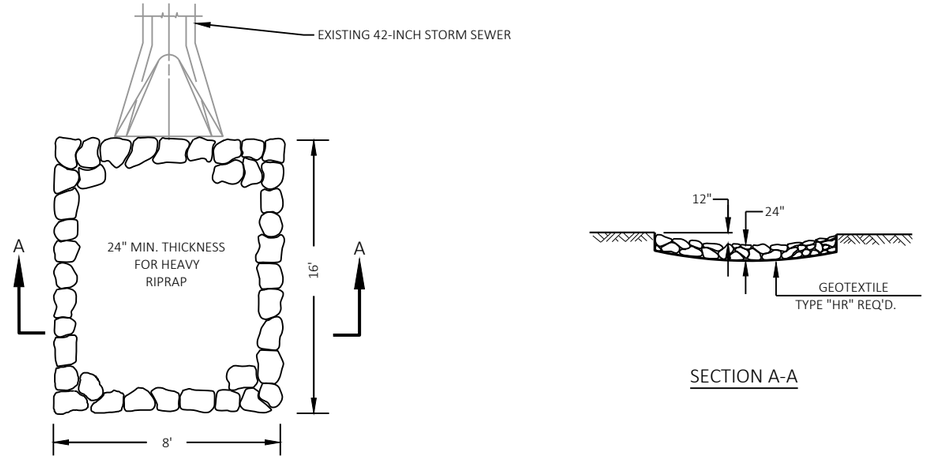
NOTE
SEE EROSION CONTROL PLANS FOR LOCATIONS

TOP VIEW

SECTION A-A

DETAIL OF ROCK BAGS USED FOR SILT FENCE RELIEF

PAID AS ROCK BAGS

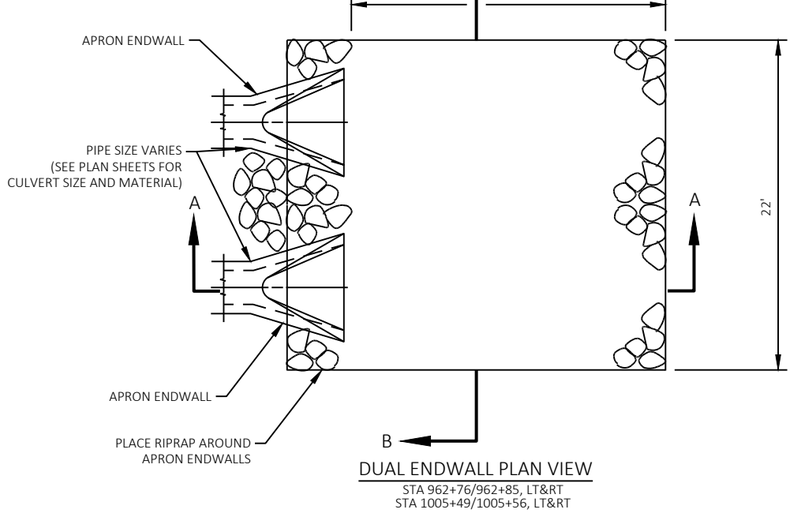


SECTION A-A

RIPRAP HEAVY DETAIL AT SS OUTFALL

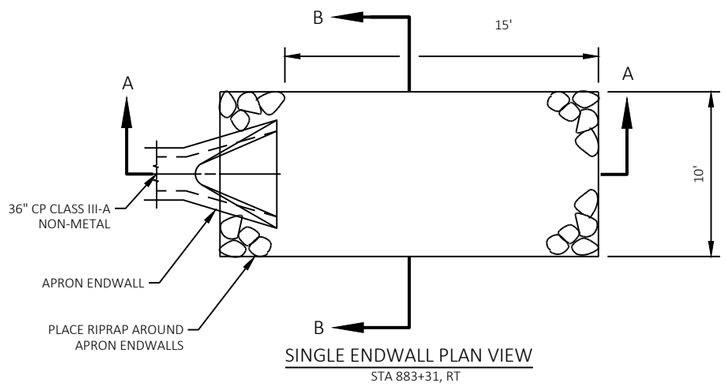
STA 933+95, LT

NOTE
SEE SECTION 5 PLAN FOR LOCATION



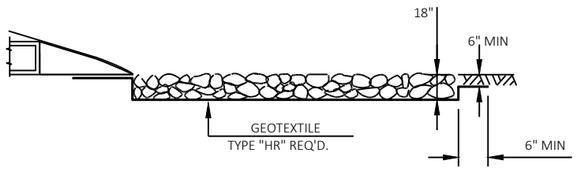
DUAL ENDWALL PLAN VIEW

STA 962+76/962+85, LT&RT
STA 1005+49/1005+56, LT&RT

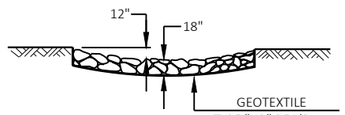


SINGLE ENDWALL PLAN VIEW

STA 883+31, RT



SECTION A-A

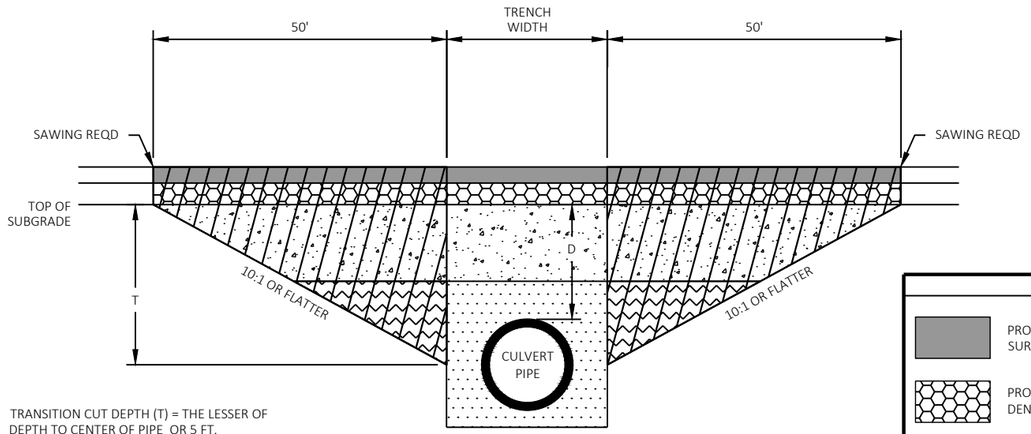


SECTION B-B

RIPRAP MEDIUM DETAIL AT CULVERT PIPES

STA 883+31, RT
STA 962+76/962+85, LT&RT
STA 1005+49/1005+56, LT&RT

NOTE
SEE EROSION CONTROL PLANS FOR LOCATIONS

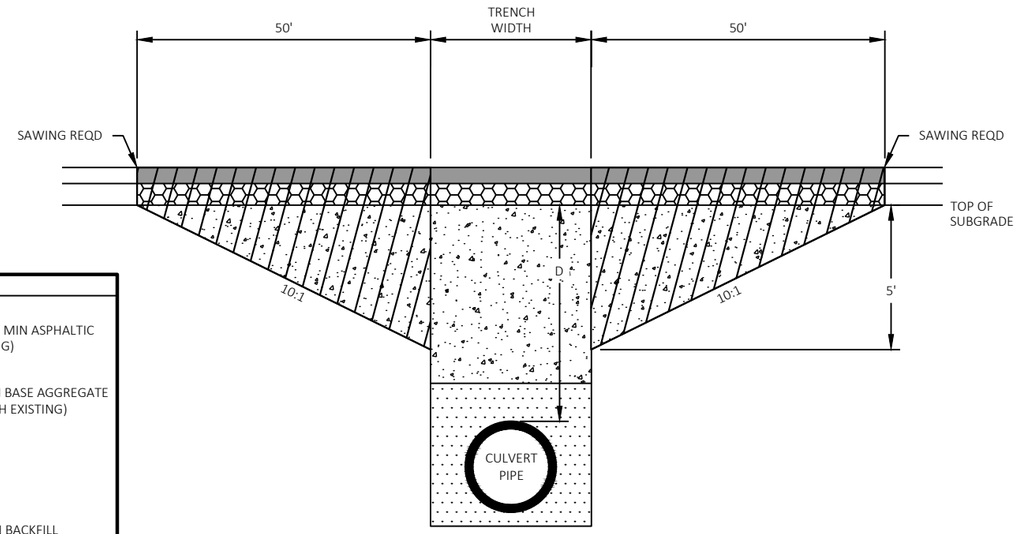


TRANSITION CUT DEPTH (T) = THE LESSER OF
DEPTH TO CENTER OF PIPE OR 5 FT.
DO NOT EXTEND TRANSITION CUT BELOW HORIZONTAL CENTER OF PIPE.

DEPTH D < 6 FT

KEY

- PROPOSED SURFACE (6.5" MIN ASPHALTIC SURFACE, MATCH EXISTING)
- PROPOSED BASE (18" MIN BASE AGGREGATE DENSE 1-1/4-INCH, MATCH EXISTING)
- TRENCH BACKFILL
- TRENCH OR FOUNDATION BACKFILL
- FOUNDATION BACKFILL
- TRANSITION CUT



DEPTH D ≥ 6 FT

NOTES

TRANSITION CUT IS PAID AS EXCAVATION COMMON

TRANSITION CUT WIDTH IS FROM SUBGRADE SHOULDER POINT TO SUBGRADE SHOULDER POINT

BACKFILL THE TRANSITION CUT AREAS WITH FOUNDATION AND TRENCH BACKFILL AS SPECIFIED IN STANDARD SPEC 520

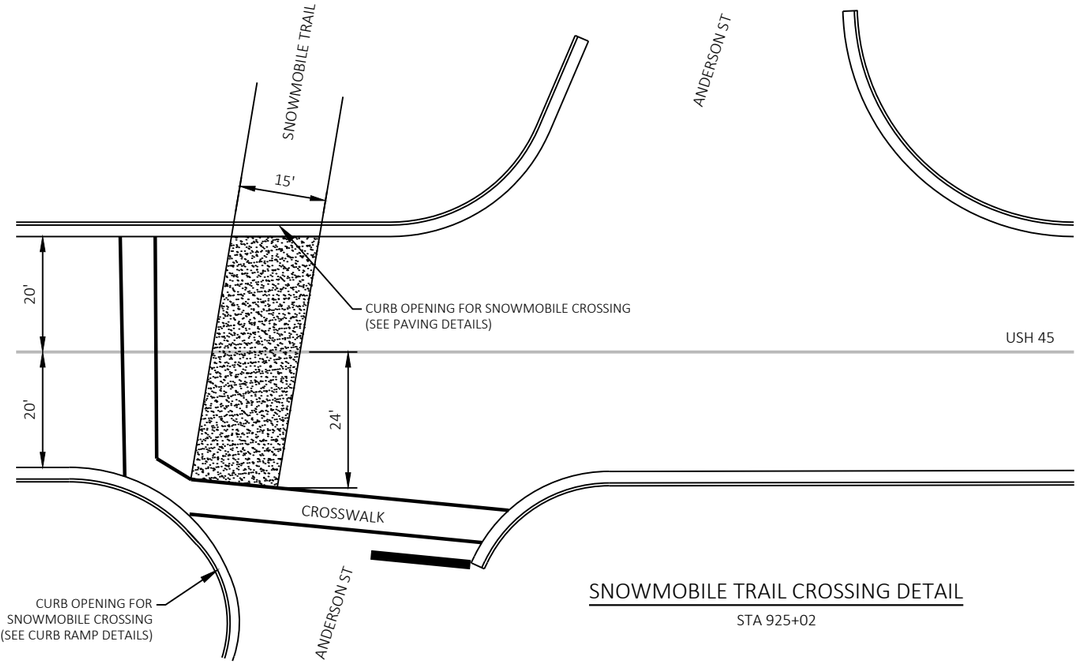
PERFORM CULVERT PIPE INSTALLATION BEFORE THE MILLING AND PAVING OPERATIONS

PLACE ASPHALTIC SURFACE AFTER CULVERT PIPE INSTALLATION AND BEFORE THE MILLING AND PAVING OPERATIONS

* DEPTH IS MEASURED AT THE DEEPEST PORTION OF THE PIPE WITHIN THE SUBGRADE SHOULDER POINTS

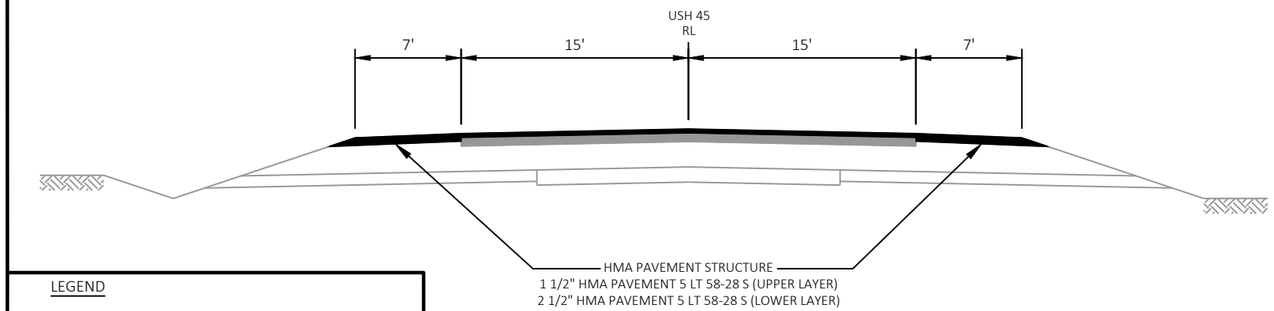
CULVERT PIPE TRANSITION DETAIL

ROUTE	EXISTING CULVERT #	STA (CL)	*DEPTH D (FT)	PIPE DIA (IN)
USH 45	C-927-42	883+31	8.5'	36"
USH 45	43045003337 / 3338	962+76/962+85	5.0'	2 - 42"
USH 45	43045003339	979+13	6.2'	24"
USH 45	43045003341 / 3342	1005+49/1005+56	1.2'	2 - 36"
USH 45	43045003343	1052+69	3.4'	24"



SNOWMOBILE TRAIL CROSSING DETAIL

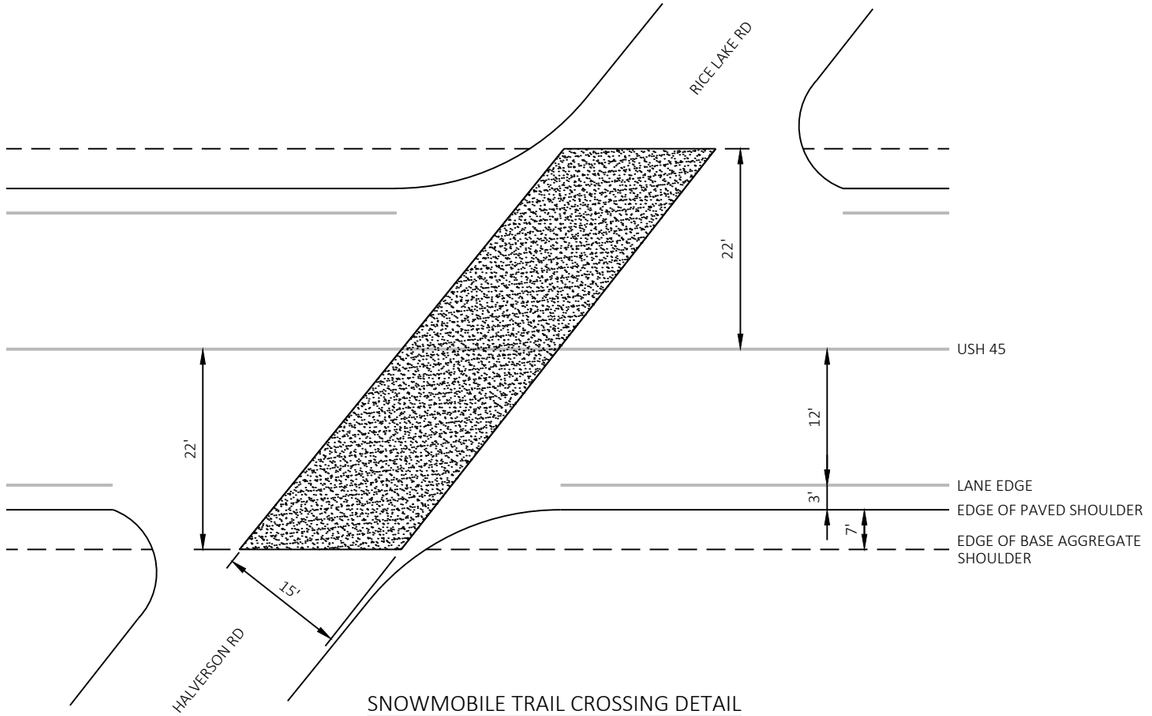
STA 925+02



LEGEND

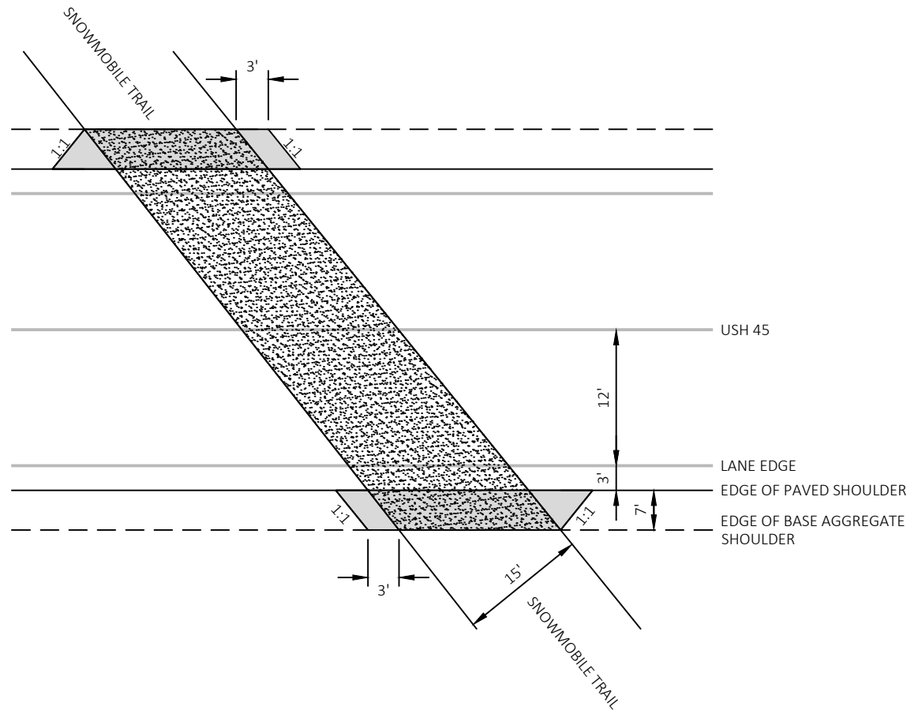
PROTECTIVE THERMOPLASTIC COATING AT SNOWMOBILE TRAIL CROSSING

4" HMA PAVEMENT 5 LT 58-28 S FOR SNOWMOBILE TRAIL CROSSING



SNOWMOBILE TRAIL CROSSING DETAIL

STA 978+43



SNOWMOBILE TRAIL CROSSING DETAIL

STA 1070+12

NOTE
PREPARATION FOR PAVEMENT WIDENING IS PAID FOR UNDER PREPARE FOUNDATION FOR ASPHALTIC PAVING.

2

NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL 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.

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.

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 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).

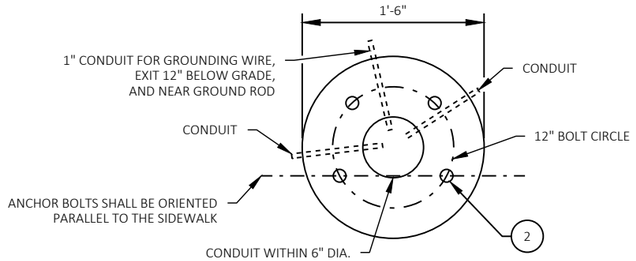
THE GROUNDING WIRE SHALL BE NO. 6 AWG, BARE, STRANDED COPPER, IT SHALL BE CADWELDED TO THE GROUND ROD. THE GROUND WIRE SHALL BE INSTALLED LEAVING A 2-FOOT LENGTH OF WIRE ABOVE THE CONCRETE BASE. THE 2-FOOT LENGTH OF GROUNDING WIRE ABOVE THE BASE SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

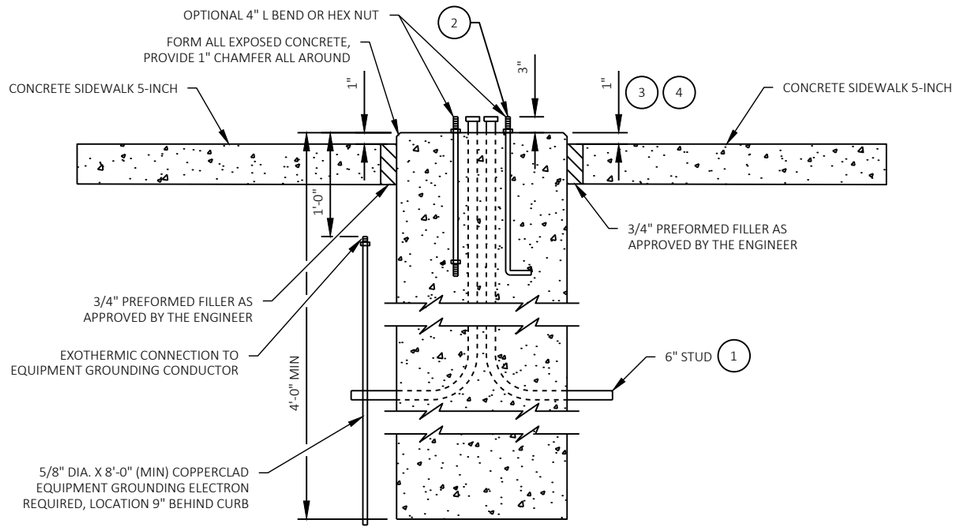
(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

(2) FOUR - 3/4-INCH DIA. X 15-INCH ANCHOR BOLTS ORE 3/4-INCH DIA. X 19-INCH ANCHOR BOLTS INCLUDING THE 4-INCH "L" BEND. THE "L" BEND SHALL NOT BE THREADED.

(3) ANY ANCHOR ROD PROJECTION SHORTER THAN 2 3/4" OR LONGER THAN 3 1/4" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

(4) FOR NON - BREAKAWAY INSTALLATIONS, 4 1/2" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.



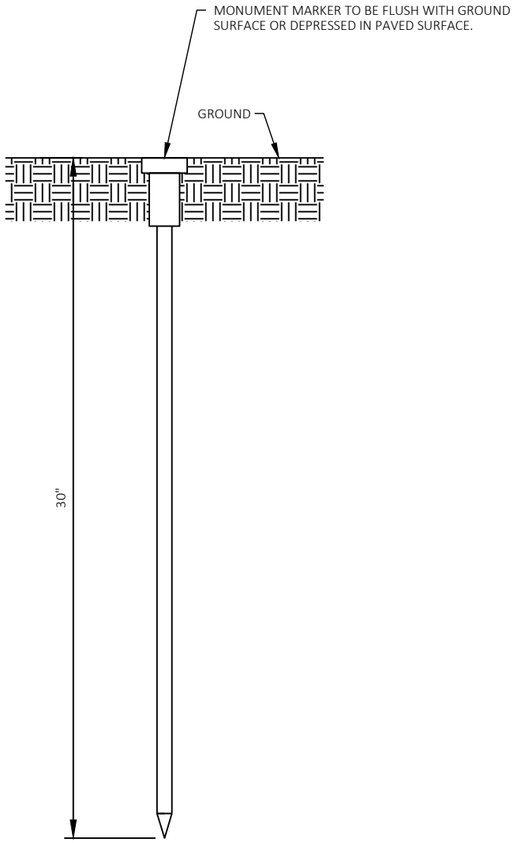


CONCRETE BASE FOR DECORATIVE LIGHT DETAIL

STA 913+93, RT
STA 913+94, LT

WISDOT MONUMENT CAP MARKER LOGO (SSDR130)

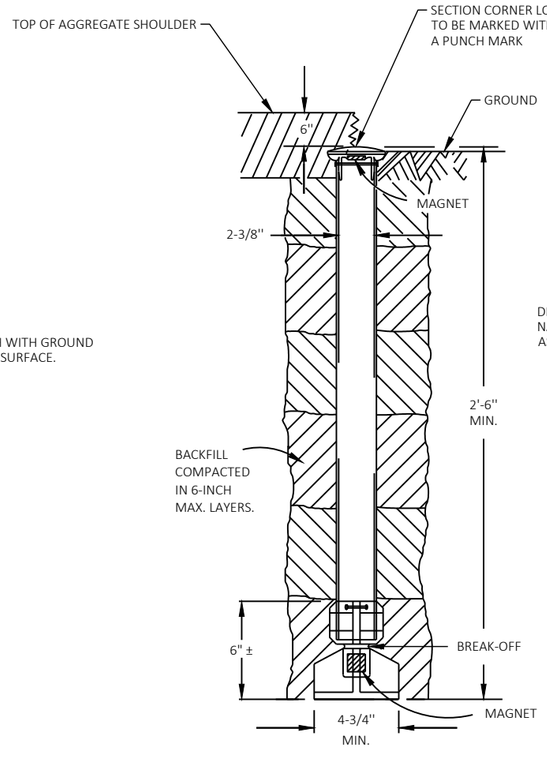
CONTRACTOR TO ORDER LANDMARK REFERENCE MONUMENTS WITH THE ABOVE STAMPING



(FRONT VIEW)

BERNTSEN DRIVABLE MONUMENT SSDR130

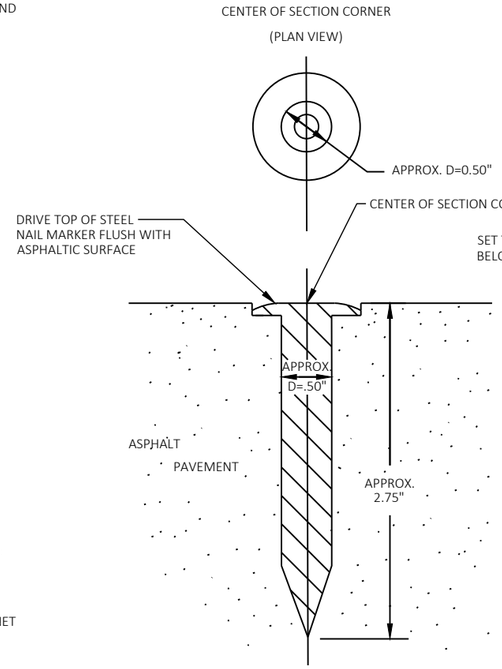
LANDMARK REFERENCE MONUMENT (TIES ONLY)



(SIDE VIEW)

OUTSIDE OF PAVEMENT

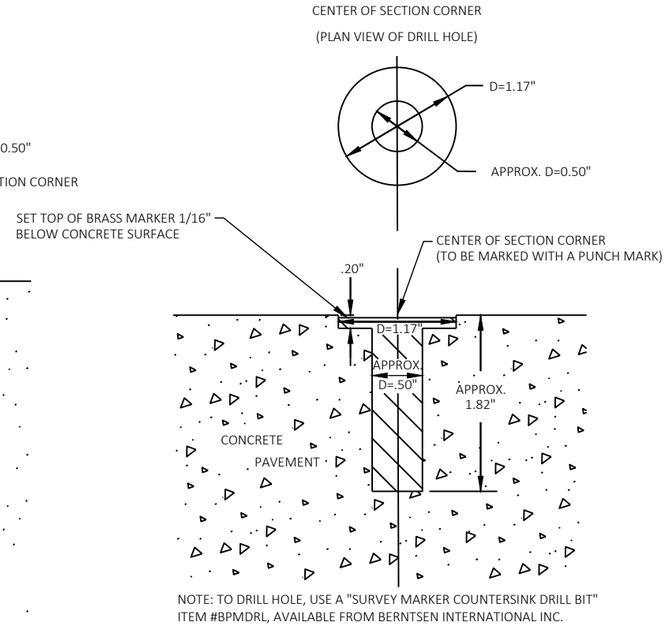
BERNTSEN A1BR30 ALUMINUM BREAK-OFF MONUMENT



(SIDE VIEW)

IN ASPHALTIC PAVEMENT

BERNTSEN SNM1 STEEL NAIL MARKER



NOTE: TO DRILL HOLE, USE A "SURVEY MARKER COUNTERSINK DRILL BIT" ITEM #BPMDRL, AVAILABLE FROM BERNTSEN INTERNATIONAL INC.

(SIDE VIEW OF DRILL HOLE)

IN CONCRETE PAVEMENT

BERNTSEN BP - 1 BRASS MARKER WITH ANCHOR PLUG

SECTION CORNER MONUMENTS

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

LOCATE LANDMARK REFERENCE MONUMENTS OUTSIDE THE CONSTRUCTION LIMITS AND WITHIN WISDOT RIGHT OF WAY. LOCATION TO BE APPROVED BY THE ENGINEER

CONTRACTOR WILL SUPPLY ALL REQUIRED SURVEY MONUMENTS

SECTION CORNER MONUMENT AND LANDMARK REFERENCE MONUMENT DETAIL

2

EX R/W

TLE

EX R/W

PROPOSED R/W

TLE

CONNECT TO EXISTING CONDUIT

W SCHOOL ST

EX R/W

N

EX R/W

2

SL 110
CONNECT TO EXISTING
STREET LIGHT BASE

CONNECT TO EXISTING CONDUIT

SL 111
STA 913+94, 23.6' LT
REMOVE AND REINSTALL STREET LIGHT ASSEMBLY
REMOVING CONCRETE BASES
CONCRETE BASES TYPE 5

PB 112
CONNECT TO EXISTING PULL BOX
ADJUSTING PULL BOXES

913+50

914+00

USH 45

914+50

LEGEND

ELECTRICAL WIRE LIGHTING 4 AWG AND
ELECTRICAL WIRE LIGHTING 10 AWG

ELECTRICAL WIRE LIGHTING 4 AWG, ELECTRICAL WIRE
LIGHTING 10 AWG AND CONDUIT RIGID NONMETALLIC
SCHEDULE 40 2-INCH

DECORATIVE LIGHTING UNIT

CONNECT TO EXISTING CONDUIT

EX R/W

TLE

SL 100
CONNECT TO EXISTING
STREET LIGHT BASE

SL 101
STA 913+93, 23.9' RT
REMOVE AND REINSTALL STREET LIGHT ASSEMBLY
REMOVING CONCRETE BASES
CONCRETE BASES TYPE 5

CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH ONLY
(PULL EXISTING WIRE BETWEEN PULL BOX AND LIGHT POLE)

PB 102
CONNECT TO EXISTING PULL BOX
ADJUSTING PULL BOXES

TLE

EX R/W

W SCHOOL ST

EX R/W

TLE

TLE

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	CONSTRUCTION DETAILS - LIGHTING	SHEET 14	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\021002-CD.DWG
LAYOUT NAME - 13

PLOT DATE : 10/25/2021 8:10 PM PLOT BY : SCOTT KAISER PLOT NAME : PLOT SCALE : 1 IN:10 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)
- S1 — CONCRETE SIDEWALK 5-INCH
- D1 — 3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- D2 — CONCRETE DRIVEWAY 6-INCH
- Y1 — MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
- XXXXXXX — SAWCUT
- SS — ADJUSTING MANHOLE COVERS (STORM SEWER)
- S — ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
- W — ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
- ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE PLYWOOD

NOTES

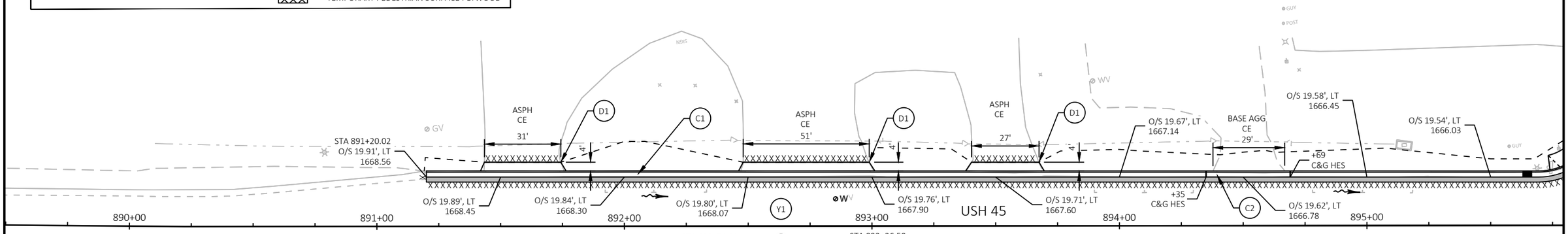
RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

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.

HAND WORK FOR CURB & GUTTER REPLACEMENT WILL BE REQUIRED IN ORDER TO MATCH EXISTING SIDEWALK ELEVATIONS AND OFFSET AT THE BACK OF CURB.

N



PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PAVING DETAILS	SHEET 15	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 11

PLOT DATE : 10/25/2021 7:46 PM PLOT BY : SCOTT KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

C1	CONCRETE CURB & GUTTER 30-INCH TYPE D		ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
C2	CONCRETE CURB AND GUTTER HES 30-INCH TYPE D (THRU DRIVEWAYS AS SHOWN)	XXXXXXX	SAWCUT
S1	CONCRETE SIDEWALK 5-INCH	SS	ADJUSTING MANHOLE COVERS (STORM SEWER)
D1	3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	S	ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
D2	CONCRETE DRIVEWAY 6-INCH	W	ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
Y1	MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)		ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)
	SURFACE WATER FLOW		TEMPORARY CURB RAMP
			TEMPORARY PEDESTRIAN SURFACE PLYWOOD

NOTES

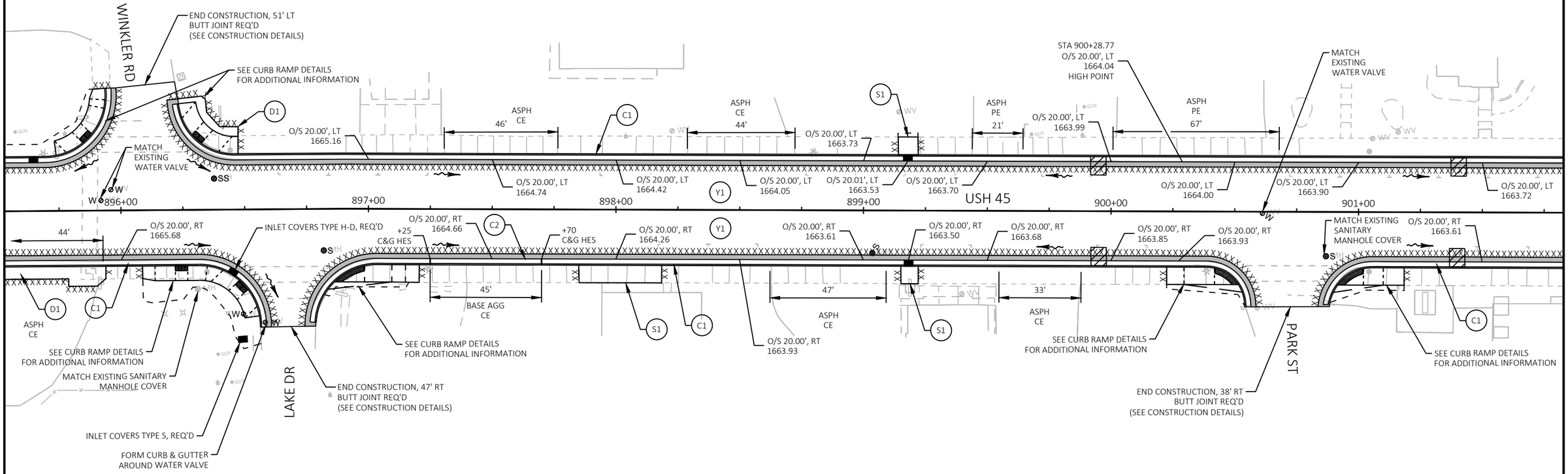
RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

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.

HAND WORK FOR CURB & GUTTER REPLACEMENT WILL BE REQUIRED IN ORDER TO MATCH EXISTING SIDEWALK ELEVATIONS AND OFFSET AT THE BACK OF CURB.

N



PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PAVING DETAILS	SHEET 16	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 12

PLOT DATE : 10/25/2021 7:46 PM PLOT BY : SCOTT KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

C1	CONCRETE CURB & GUTTER 30-INCH TYPE D		ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
C2	CONCRETE CURB AND GUTTER HES 30-INCH TYPE D (THRU DRIVEWAYS AS SHOWN)	XXXXXXX	SAWCUT
S1	CONCRETE SIDEWALK 5-INCH	●SS	ADJUSTING MANHOLE COVERS (STORM SEWER)
D1	3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	●S	ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
D2	CONCRETE DRIVEWAY 6-INCH	⊘W	ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
Y1	MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)	■	ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)
	SURFACE WATER FLOW		TEMPORARY CURB RAMP
			TEMPORARY PEDESTRIAN SURFACE PLYWOOD

NOTES

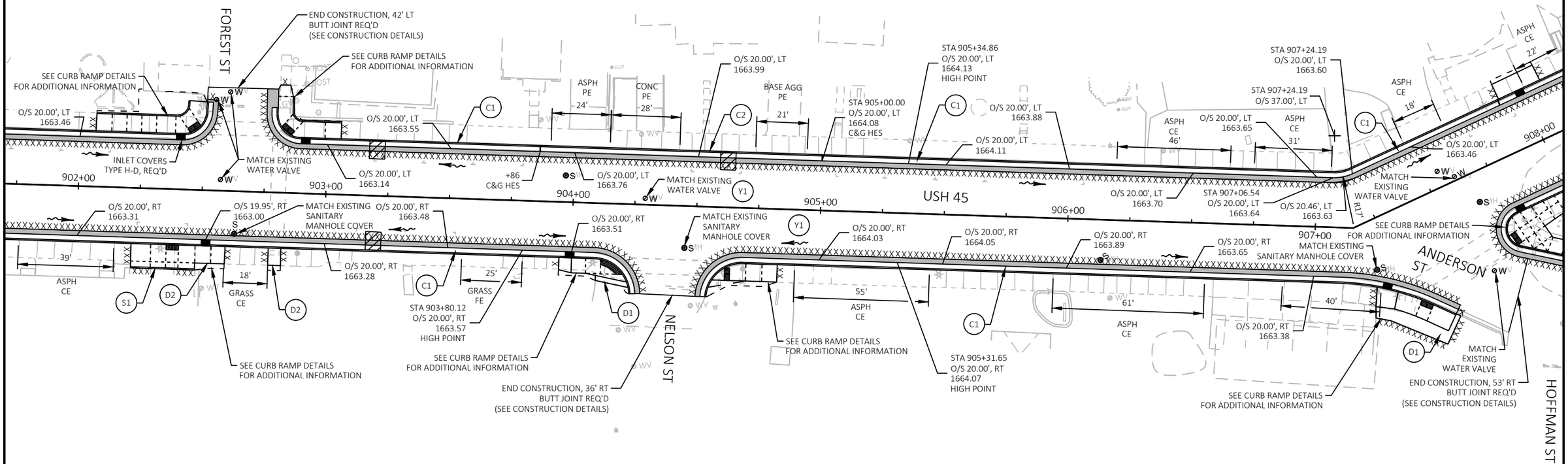
RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

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.

HAND WORK FOR CURB & GUTTER REPLACEMENT WILL BE REQUIRED IN ORDER TO MATCH EXISTING SIDEWALK ELEVATIONS AND OFFSET AT THE BACK OF CURB.

N



PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PAVING DETAILS	SHEET 17	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 13
PLOT DATE : 10/25/2021 7:46 PM
PLOT BY : SCOTT KAISER
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)
- S1 — CONCRETE SIDEWALK 5-INCH
- D1 — 3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- D2 — CONCRETE DRIVEWAY 6-INCH
- Y1 — MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
- XXXXXXX — SAWCUT
- SS — ADJUSTING MANHOLE COVERS (STORM SEWER)
- S — ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
- W — ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
- ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE PLYWOOD

NOTES

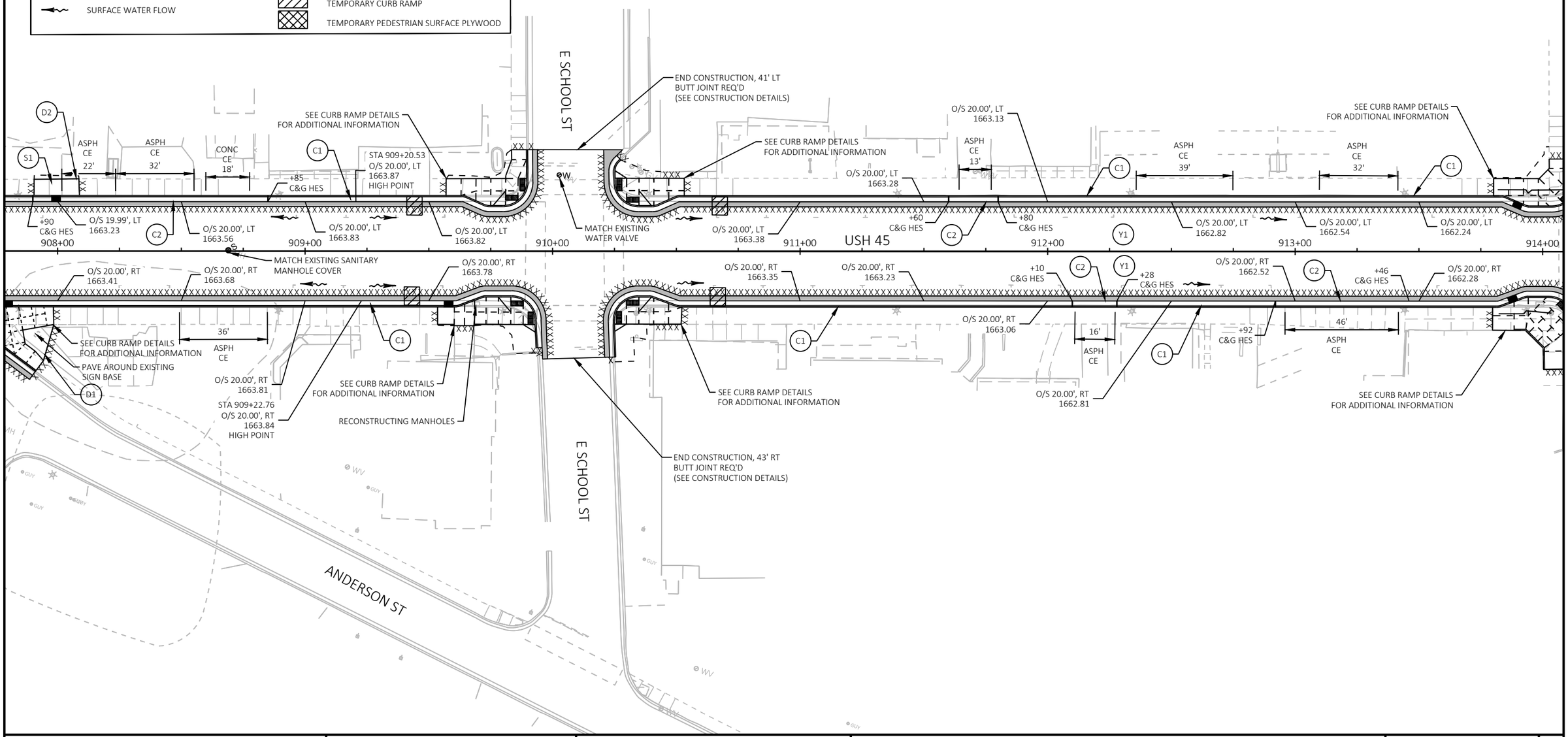
RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

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.

HAND WORK FOR CURB & GUTTER REPLACEMENT WILL BE REQUIRED IN ORDER TO MATCH EXISTING SIDEWALK ELEVATIONS AND OFFSET AT THE BACK OF CURB.

N



PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PAVING DETAILS	SHEET 18	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)
- S1 — CONCRETE SIDEWALK 5-INCH
- D1 — 3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- D2 — CONCRETE DRIVEWAY 6-INCH
- Y1 — MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
- XXXXXXX — SAWCUT
- SS — ADJUSTING MANHOLE COVERS (STORM SEWER)
- S — ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
- W — ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
- ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE PLYWOOD

NOTES

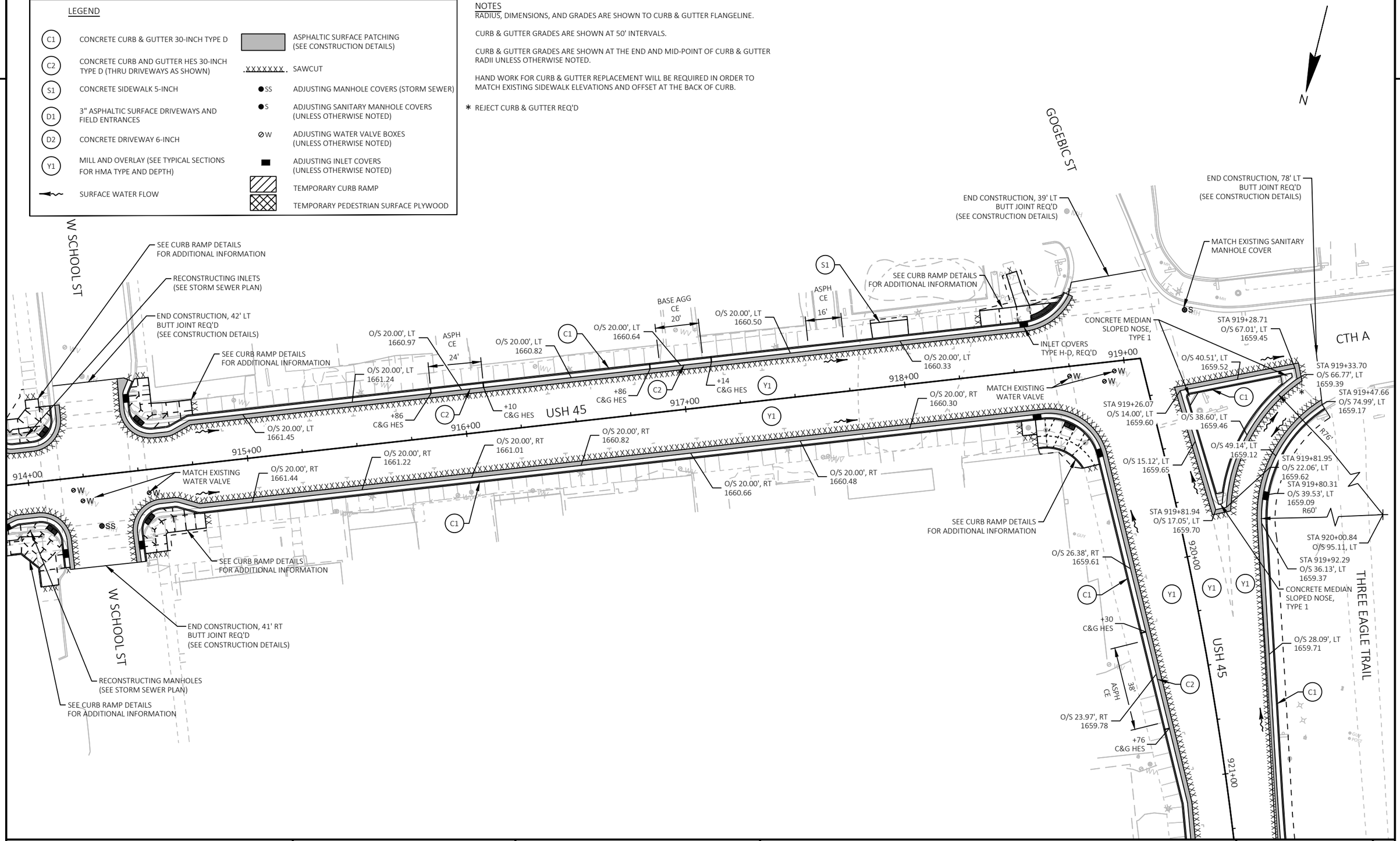
RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

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.

HAND WORK FOR CURB & GUTTER REPLACEMENT WILL BE REQUIRED IN ORDER TO MATCH EXISTING SIDEWALK ELEVATIONS AND OFFSET AT THE BACK OF CURB.

* REJECT CURB & GUTTER REQ'D



PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PAVING DETAILS	SHEET 19	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 15

PLOT DATE : 10/25/2021 7:47 PM PLOT BY : SCOTT KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

C1	CONCRETE CURB & GUTTER 30-INCH TYPE D		ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
C2	CONCRETE CURB AND GUTTER HES 30-INCH TYPE D (THRU DRIVEWAYS AS SHOWN)	XXXXXXX	SAWCUT
S1	CONCRETE SIDEWALK 5-INCH	SS	ADJUSTING MANHOLE COVERS (STORM SEWER)
D1	3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	S	ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
D2	CONCRETE DRIVEWAY 6-INCH	W	ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
Y1	MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)		ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)
	SURFACE WATER FLOW		TEMPORARY CURB RAMP
			TEMPORARY PEDESTRIAN SURFACE PLYWOOD

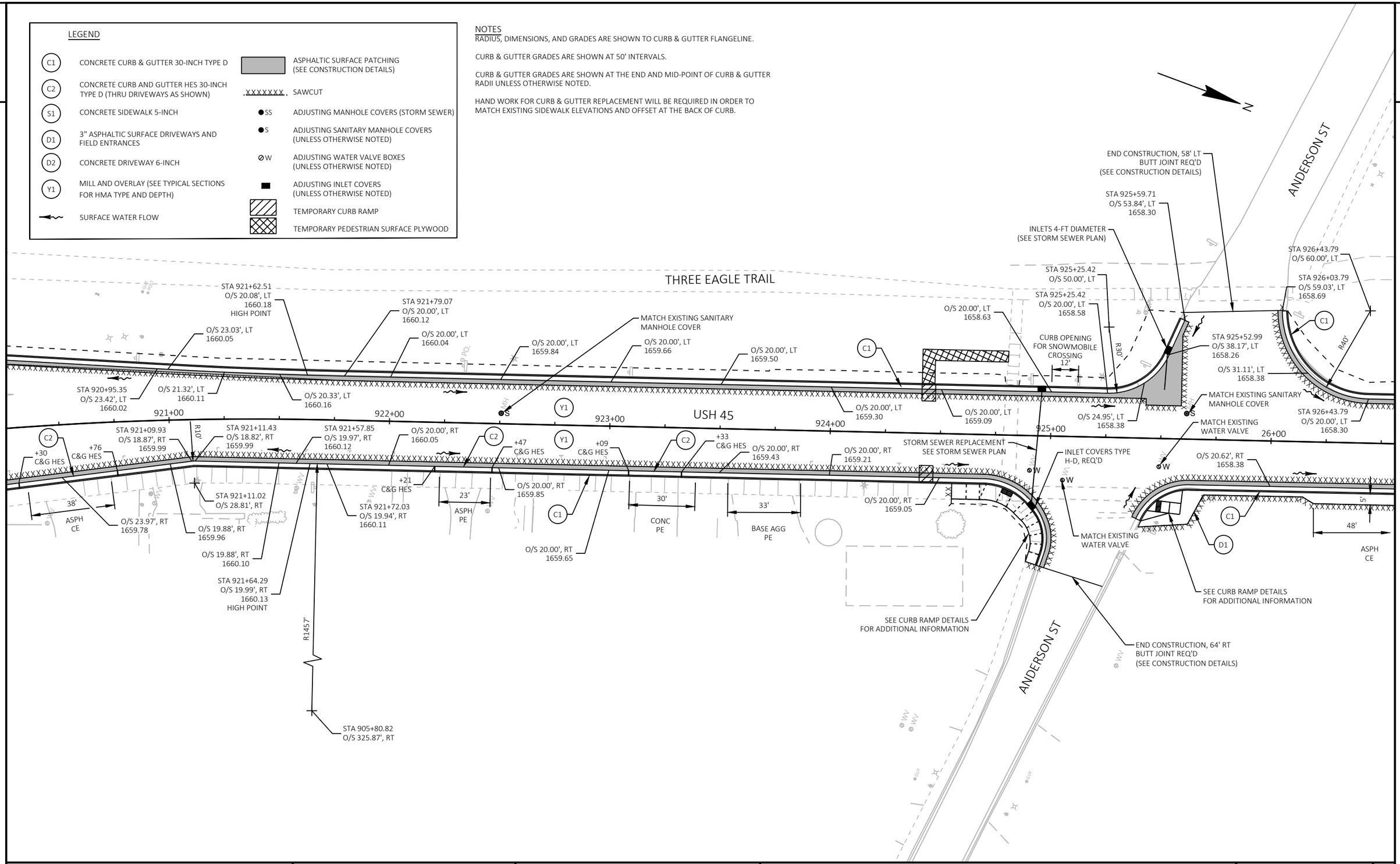
NOTES

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.

HAND WORK FOR CURB & GUTTER REPLACEMENT WILL BE REQUIRED IN ORDER TO MATCH EXISTING SIDEWALK ELEVATIONS AND OFFSET AT THE BACK OF CURB.



PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PAVING DETAILS	SHEET 20	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 16

PLOT DATE : 10/25/2021 7:47 PM PLOT BY : SCOTT KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

C1	CONCRETE CURB & GUTTER 30-INCH TYPE D		ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
C2	CONCRETE CURB AND GUTTER HES 30-INCH TYPE D (THRU DRIVEWAYS AS SHOWN)	XXXXXXX	SAWCUT
S1	CONCRETE SIDEWALK 5-INCH	SS	ADJUSTING MANHOLE COVERS (STORM SEWER)
D1	3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	S	ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
D2	CONCRETE DRIVEWAY 6-INCH	W	ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
Y1	MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)		ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)
	SURFACE WATER FLOW		TEMPORARY CURB RAMP
			TEMPORARY PEDESTRIAN SURFACE PLYWOOD

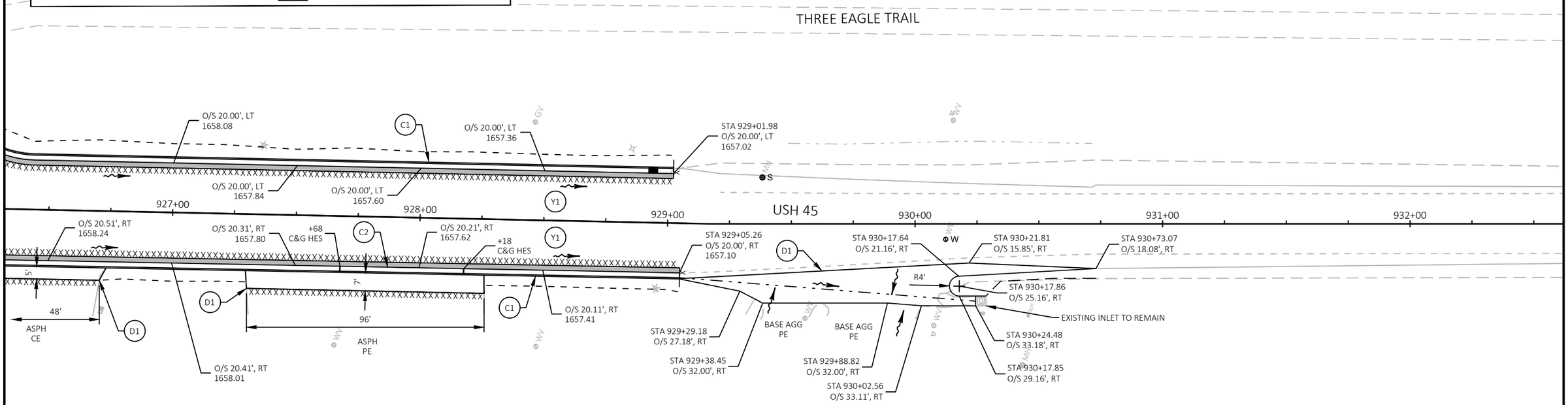
NOTES

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.

HAND WORK FOR CURB & GUTTER REPLACEMENT WILL BE REQUIRED IN ORDER TO MATCH EXISTING SIDEWALK ELEVATIONS AND OFFSET AT THE BACK OF CURB.



NOTE

PAVE AND SHAPE ASPHALTIC SURFACE DRIVEWAY WITH A "V" TO ACCOMMODATE DRAINAGE TOWARDS EXISTING INLET.

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PAVING DETAILS	SHEET 21	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 17

PLOT DATE : 10/25/2021 7:47 PM PLOT BY : SCOTT KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WINKLER ROAD - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1-1	895+69.38	19.52' L	1665.90	223422.43	327433.31
1-2	895+80.04	21.70' L	1666.02	223421.35	327422.48
1-3	895+86.59	25.69' L	1666.14	223418.05	327415.55
1-4	895+90.14	29.22' L	1666.20	223414.91	327411.66
1-5	895+94.73	37.16' L	1666.27	223407.49	327406.28
1-6	895+96.37	47.91' L	1666.34	223396.96	327403.54
1-7	895+96.29	49.44' L	1666.35	223395.43	327403.47
1-8	895+73.98	22.45' L	1666.39	223419.99	327428.43
1-9	895+78.03	23.59' L	1666.43	223419.27	327424.29
1-10	895+85.15	27.10' L	1666.05	223416.51	327416.84
1-11	895+88.70	30.63' L	1666.13	223413.37	327412.95
1-12	895+93.35	41.30' L	1666.75	223403.22	327407.23
1-13	895+93.84	44.69' L	1666.59	223399.91	327406.39
1-14	895+93.79	49.30' L	1666.38	223395.31	327405.97
1-15	895+73.23	28.28' L	1666.51	223414.11	327428.58
1-16	895+80.46	31.70' L	1666.15	223411.45	327421.04
1-17	895+83.96	35.27' L	1666.22	223408.25	327417.19
1-18	895+87.23	42.57' L	1666.78	223401.34	327413.19
1-19	895+87.57	45.13' L	1666.66	223398.82	327412.58
1-20	895+88.99	49.05' L	1666.46	223395.06	327410.77

WINKLER ROAD - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1-30	896+21.08	42.62' L	1665.83	223404.76	327379.51
1-31	896+23.70	33.63' L	1665.78	223413.97	327377.82
1-32	896+27.26	28.42' L	1665.73	223419.52	327374.82
1-33	896+30.93	25.03' L	1665.69	223423.27	327371.52
1-34	896+37.02	21.66' L	1665.65	223427.25	327365.81
1-35	896+45.97	20.00' L	1665.61	223429.82	327357.07
1-36	896+23.57	42.88' L	1666.14	223404.76	327377.00
1-37	896+24.93	37.02' L	1666.21	223410.72	327376.25
1-38	896+28.61	29.91' L	1665.65	223418.17	327373.33
1-39	896+32.28	26.52' L	1665.61	223421.93	327370.02
1-40	896+39.60	23.42' L	1666.07	223425.76	327363.06
1-41	896+47.47	22.51' L	1666.03	223427.48	327355.33
1-42	896+30.53	43.62' L	1666.04	223404.74	327370.00
1-43	896+33.70	35.53' L	1665.77	223413.12	327367.68
1-44	896+37.36	32.11' L	1665.72	223416.89	327364.40
1-45	896+45.14	29.52' L	1665.96	223420.26	327356.92
1-46	896+47.51	29.50' L	1665.96	223420.53	327354.57

LEGEND

- C1 — CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 — CONCRETE CURB AND GUTTER HES 30-INCH TYPE D
- C3 — CONCRETE CURB PEDESTRIAN
- S1 — CONCRETE SIDEWALK 5-INCH
- D1 — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- D2 — CONCRETE DRIVEWAY HES 6-INCH
- Y1 — MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- XXXX XXXX — SAWCUT
- PB — ADJUSTING PULL BOXES
- SS — ADJUSTING MANHOLE COVERS (STORM SEWER)
- S — ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
- W — ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
- ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)

EX R/W

WINKLER RD

N

STA 895+69.41
O/S 46.52, LT

TYPE 1-A MOD CURB RAMP
2-2' X 2.5' CURB RAMP DETECTABLE
WARNING FIELDS REQ'D

TYPE 1-A MOD CURB RAMP
2-2' X 2.5' CURB RAMP DETECTABLE
WARNING FIELDS REQ'D

STA 896+32.80
O/S 45.81, LT

STA 896+34.42
O/S 44.50, LT

STA 896+45.97
O/S 45.00, LT

STA 896+34.89
O/S 39.37, LT

STA 896+40.12
O/S 33.50, LT

STA 896+47.55
O/S 33.42, LT

PROPOSED R/W

EX R/W

CAUTION

SEE PAVING DETAILS FOR
ADDITIONAL INFORMATION

SEE PAVING DETAILS FOR
ADDITIONAL INFORMATION

MATCH EXISTING
WATER VALVE

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 CONSTRUCTION

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

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

895+50 896+00 USH 45 896+50

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	CURB RAMP DETAILS	SHEET 22	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 01
PLOT DATE : 10/25/2021 7:23 PM
PLOT BY : SCOTT KAISER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

USH 45

896+00 | 896+50 | 897+00

NOTES

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

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SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

SEE PAVING DETAILS FOR ADDITIONAL INFORMATION

MAX 3" CURB HEAD

INLET COVERS TYPE H-D

INLET COVERS TYPE S

TYPE 7A MOD CURB RAMP
2-2' X 2.5' CURB RAMP DETECTABLE WARNING FIELDS REQ'D

TYPE 1-A MOD CURB RAMP
2-2' X 2.5' CURB RAMP DETECTABLE WARNING FIELDS REQ'D

TYPE 4A1 CURB RAMP
1-CURB RAMP DETECTABLE WARNING FIELD RADIAL REQ'D

STA 896+31.47
O/S 47.00, RT

STA 897+03.51
O/S 47.00, RT

R27'

TLE

EX R/W

LAKE DR

GUY

LAKE DRIVE - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2-1	896+21.80	20.00' R	1665.53	223467.12	327385.22
2-2	896+26.80	20.00' R	1665.50	223467.64	327380.25
2-3	896+31.47	20.00' R	1665.44	223468.12	327375.60
2-4	896+41.75	22.03' R	1665.05	223471.19	327365.59
2-5	896+49.54	26.93' R	1665.03	223476.87	327358.35
2-6	896+52.94	30.62' R	1664.88	223480.89	327355.34
2-7	896+56.35	36.50' R	1664.62	223487.08	327352.56
2-8	896+58.47	46.76' R	1664.27	223497.51	327351.50
2-9	896+58.48	47.50' R	1664.25	223498.25	327351.57
2-10	896+08.52	22.50' R	1666.04	223468.25	327398.69
2-11	896+13.62	22.50' R	1666.01	223468.77	327393.61
2-12	896+21.80	22.00' R	1665.45	223469.11	327385.43
2-13	896+26.79	22.01' R	1665.42	223469.63	327380.47
2-14	896+34.72	22.72' R	1665.54	223471.15	327372.65
2-15	896+41.12	24.48' R	1665.15	223473.56	327366.47
2-16	896+48.06	28.29' R	1664.96	223478.07	327359.96
2-17	896+51.45	31.97' R	1664.83	223482.08	327356.96
2-18	896+54.69	39.17' R	1664.98	223489.57	327354.48
2-19	896+55.64	42.98' R	1664.83	223493.46	327353.92
2-20	896+08.60	27.57' R	1666.03	223473.30	327399.13
2-21	896+13.62	28.50' R	1666.10	223474.74	327394.23
2-22	896+21.80	28.50' R	1665.55	223475.58	327386.10
2-23	896+26.80	28.50' R	1665.52	223476.10	327381.13
2-24	896+33.86	28.66' R	1665.42	223476.98	327374.12
2-25	896+36.09	29.09' R	1665.26	223477.63	327371.94

LAKE DRIVE - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2-26	896+43.23	32.72' R	1665.00	223481.98	327365.22
2-27	896+46.63	36.39' R	1664.93	223485.97	327362.21
2-28	896+49.69	43.76' R	1665.08	223493.62	327359.93

LAKE DRIVE - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2-40	896+76.05	45.64' R	1663.93	223498.20	327333.90
2-41	896+78.55	35.71' R	1664.20	223488.58	327330.39
2-42	896+82.61	29.45' R	1664.41	223482.77	327325.70
2-43	896+92.15	22.51' R	1664.90	223476.84	327315.75
2-44	897+03.51	20.01' R	1665.02	223475.65	327304.18
2-45	896+83.40	32.46' R	1664.78	223485.84	327325.23
2-46	896+85.32	29.47' R	1664.40	223483.07	327323.01
2-47	896+98.52	22.53' R	1664.92	223477.59	327309.42
2-48	897+04.52	22.52' R	1665.18	223478.25	327303.46
2-49	897+09.52	22.50' R	1665.40	223478.80	327298.49
2-50	897+14.99	22.50' R	1665.35	223479.42	327293.05
2-51	896+98.53	29.51' R	1664.82	223484.52	327310.21
2-52	897+04.53	29.51' R	1665.19	223485.20	327304.24
2-53	897+09.53	29.51' R	1665.50	223485.76	327299.28
2-54	897+15.03	29.58' R	1665.46	223486.46	327293.82
2-55	897+20.59	22.50' R	1665.30	223480.06	327287.49
2-56	897+20.54	29.65' R	1665.57	223487.15	327288.35

LEGEND

- C1 — CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 — CONCRETE CURB AND GUTTER HES 30-INCH TYPE D
- C3 — CONCRETE CURB PEDESTRIAN
- S1 — CONCRETE SIDEWALK 5-INCH
- D1 — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
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- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- XXXX XXXX — SAWCUT
- PB — ADJUSTING PULL BOXES
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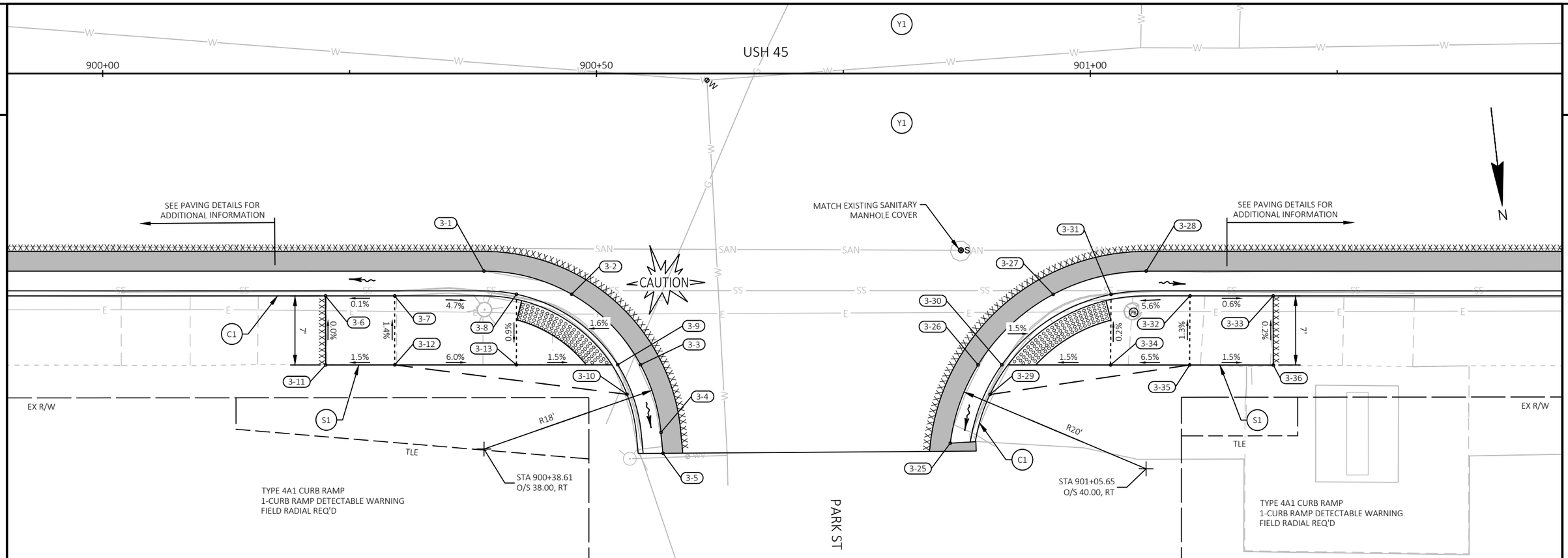
- ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	CURB RAMP DETAILS	SHEET 23	E



PARK STREET - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
3-1	900+38.61	20.00' R	1663.90	223513.63	326971.24
3-2	900+47.48	22.34' R	1663.75	223516.96	326962.69
3-3	900+54.46	29.47' R	1663.62	223524.84	326956.56
3-4	900+56.53	36.33' R	1663.50	223531.88	326955.28
3-5	900+56.73	38.44' R	1663.47	223534.00	326955.32
3-6	900+22.57	22.50' R	1664.34	223514.30	326987.46
3-7	900+29.57	22.50' R	1664.35	223515.09	326980.51
3-8	900+41.90	22.34' R	1663.78	223516.33	326968.24
3-9	900+52.15	29.47' R	1663.56	223524.58	326958.86
3-10	900+53.09	32.47' R	1664.01	223527.67	326958.26
3-11	900+22.57	29.50' R	1664.34	223521.25	326988.25
3-12	900+29.57	29.49' R	1664.45	223522.04	326981.29
3-13	900+41.89	29.48' R	1663.71	223523.42	326969.05

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 CONSTRUCTION

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

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

LEGEND

- C1 — CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 — CONCRETE CURB AND GUTTER HES 30-INCH TYPE D
- C3 — CONCRETE CURB PEDESTRIAN
- S1 — CONCRETE SIDEWALK 5-INCH
- D1 — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- D2 — CONCRETE DRIVEWAY HES 6-INCH
- Y1 — MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- XXXX XXXX — SAWCUT
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- ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)

PARK STREET - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
3-25	900+85.82	37.42' R	1663.50	223536.29	326926.30
3-26	900+88.64	29.49' R	1663.71	223528.73	326922.60
3-27	900+96.25	22.35' R	1663.83	223522.50	326914.24
3-28	901+05.65	20.00' R	1663.85	223521.23	326904.62
3-29	900+89.85	32.49' R	1664.09	223531.85	326921.74
3-30	900+91.04	29.49' R	1663.65	223529.00	326920.22
3-31	901+02.10	22.35' R	1663.80	223523.17	326908.42
3-32	901+10.10	22.50' R	1664.25	223524.22	326900.49
3-33	901+18.52	22.50' R	1664.20	223525.17	326892.13
3-34	901+02.06	29.49' R	1663.82	223530.26	326909.27
3-35	901+10.06	29.50' R	1664.34	223531.17	326901.32
3-36	901+18.53	29.50' R	1664.21	223532.13	326892.91

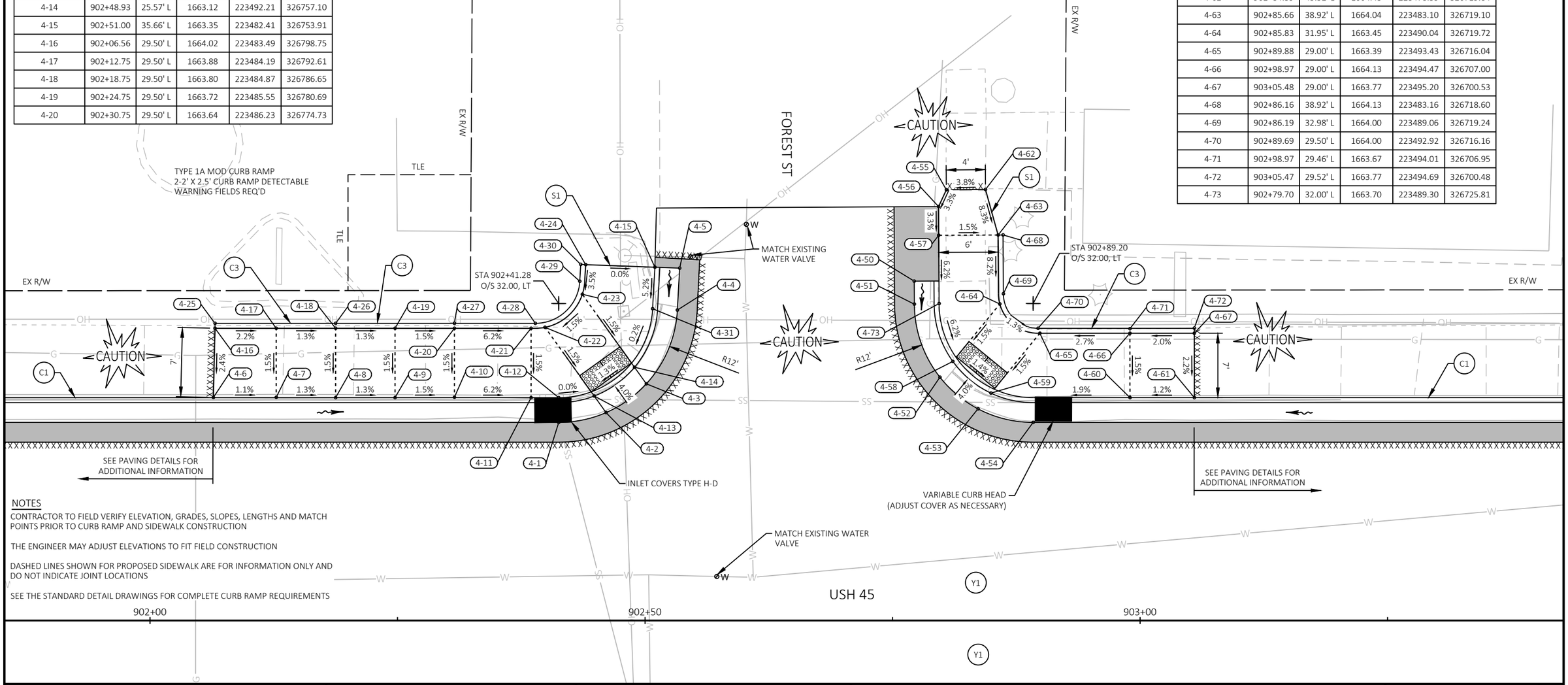
FOREST STREET - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
4-1	902+41.28	20.00' L	1662.94	223496.87	326765.34
4-2	902+46.06	20.99' L	1663.13	223496.42	326760.48
4-3	902+50.13	23.90' L	1663.20	223494.00	326756.10
4-4	902+53.26	31.34' L	1663.39	223486.96	326752.15
4-5	902+53.50	35.57' L	1663.45	223482.78	326751.44
4-6	902+06.40	22.51' L	1663.85	223490.41	326799.71
4-7	902+12.75	22.54' L	1663.78	223491.11	326793.40
4-8	902+18.75	22.50' L	1663.70	223491.83	326787.44
4-9	902+24.75	22.50' L	1663.62	223492.51	326781.48
4-10	902+30.75	22.54' L	1663.53	223493.15	326775.52
4-11	902+38.49	22.50' L	1663.05	223494.07	326767.83
4-12	902+41.28	22.50' L	1662.98	223494.38	326765.06
4-13	902+44.86	22.66' L	1663.05	223494.63	326761.48
4-14	902+48.93	25.57' L	1663.12	223492.21	326757.10
4-15	902+51.00	35.66' L	1663.35	223482.41	326753.91
4-16	902+06.56	29.50' L	1664.02	223483.49	326798.75
4-17	902+12.75	29.50' L	1663.88	223484.19	326792.61
4-18	902+18.75	29.50' L	1663.80	223484.87	326786.65
4-19	902+24.75	29.50' L	1663.72	223485.55	326780.69
4-20	902+30.75	29.50' L	1663.64	223486.23	326774.73

FOREST STREET - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
4-21	902+38.49	29.50' L	1663.15	223487.11	326767.03
4-22	902+39.90	29.60' L	1663.17	223487.17	326765.62
4-23	902+43.66	32.93' L	1663.24	223484.29	326761.51
4-24	902+44.00	35.92' L	1663.35	223481.36	326760.83
4-25	902+06.56	30.00' L	1664.02	223483.00	326798.70
4-26	902+18.75	30.00' L	1664.15	223484.38	326786.59
4-27	902+30.75	30.00' L	1663.90	223485.74	326774.67
4-28	902+38.91	30.00' L	1663.70	223486.66	326766.56
4-29	902+43.41	34.25' L	1663.45	223482.95	326761.61
4-30	902+43.50	35.95' L	1663.35	223481.27	326761.32
4-31	902+50.77	31.47' L	1663.13	223486.54	326754.61

LEGEND

- C1 — CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 — CONCRETE CURB AND GUTTER HES 30-INCH TYPE D
- C3 — CONCRETE CURB PEDESTRIAN
- S1 — CONCRETE SIDEWALK 5-INCH
- D1 — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- D2 — CONCRETE DRIVEWAY HES 6-INCH
- Y1 — MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- XXXX XXXX — SAWCUT
- PB — ADJUSTING PULL BOXES
- SS — ADJUSTING MANHOLE COVERS (STORM SEWER)
- S — ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
- W — ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
- ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)

FOREST STREET - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
4-50	902+77.19	34.26' L	1663.77	223486.77	326728.05
4-51	902+77.20	31.94' L	1663.68	223489.08	326728.30
4-52	902+79.78	24.56' L	1663.42	223496.70	326726.57
4-53	902+83.63	21.37' L	1663.35	223500.31	326723.10
4-54	902+89.20	20.00' L	1663.15	223502.30	326717.73
4-55	902+80.43	43.48' L	1664.29	223477.98	326723.78
4-56	902+79.65	41.79' L	1664.23	223479.57	326724.75
4-57	902+79.66	38.89' L	1664.13	223482.46	326725.06
4-58	902+81.09	26.15' L	1663.34	223495.27	326725.09
4-59	902+84.93	22.96' L	1663.27	223498.88	326721.63
4-60	902+98.98	22.50' L	1663.55	223500.93	326707.73
4-61	903+05.48	22.50' L	1663.62	223501.66	326701.27
4-62	902+84.39	43.52' L	1664.43	223478.39	326719.84
4-63	902+85.66	38.92' L	1664.04	223483.10	326719.10
4-64	902+85.83	31.95' L	1663.45	223490.04	326719.72
4-65	902+89.88	29.00' L	1663.39	223493.43	326716.04
4-66	902+98.97	29.00' L	1664.13	223494.47	326707.00
4-67	903+05.48	29.00' L	1663.77	223495.20	326700.53
4-68	902+86.16	38.92' L	1664.13	223483.16	326718.60
4-69	902+86.19	32.98' L	1664.00	223489.06	326719.24
4-70	902+89.69	29.50' L	1664.00	223492.92	326716.16
4-71	902+98.97	29.46' L	1663.67	223494.01	326706.95
4-72	903+05.47	29.52' L	1663.77	223494.69	326700.48
4-73	902+79.70	32.00' L	1663.70	223489.30	326725.81



NOTES

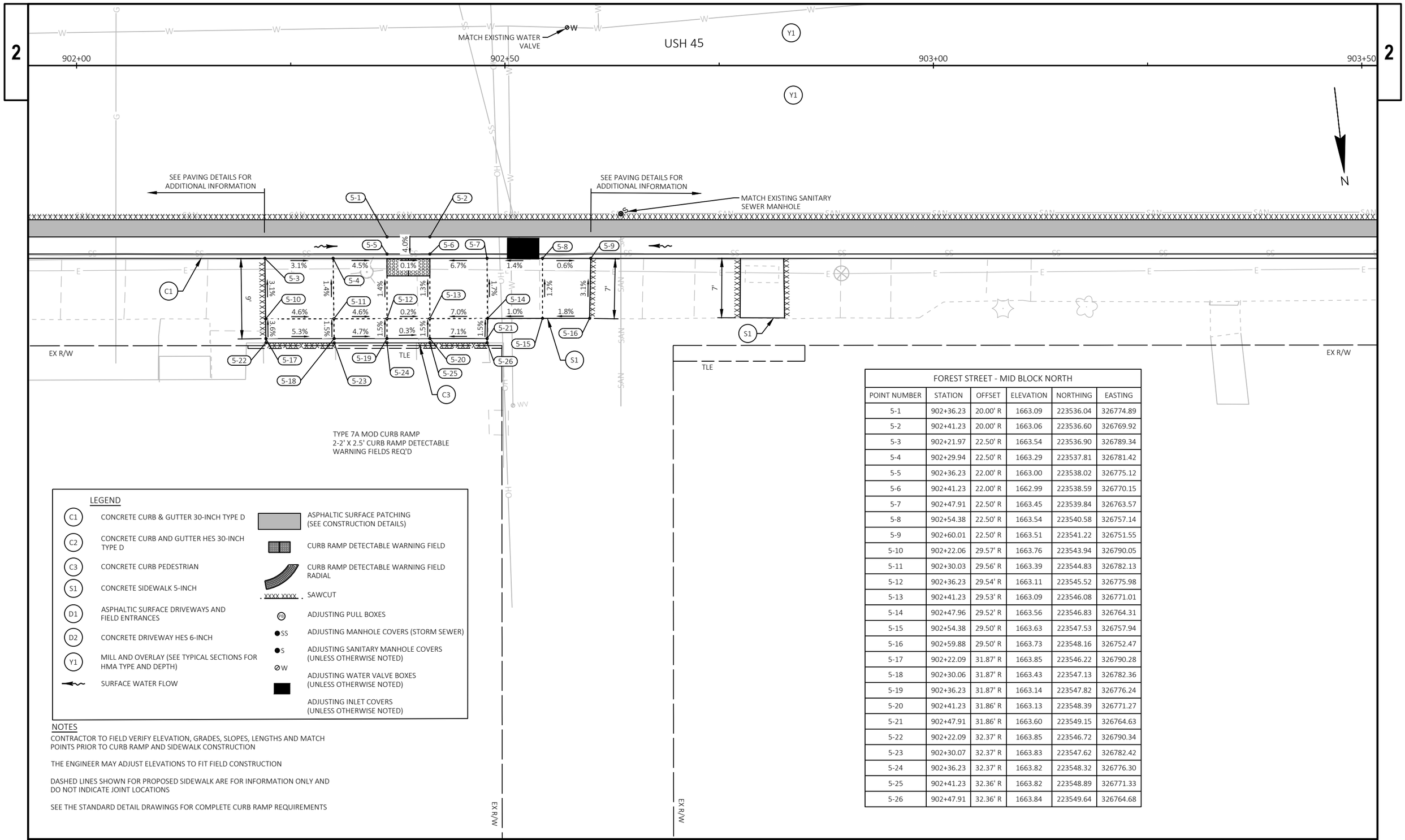
CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION

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

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	CURB RAMP DETAILS	SHEET 25	E



LEGEND

- C1 — CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 — CONCRETE CURB AND GUTTER HES 30-INCH TYPE D
- C3 — CONCRETE CURB PEDESTRIAN
- S1 — CONCRETE SIDEWALK 5-INCH
- D1 — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- D2 — CONCRETE DRIVEWAY HES 6-INCH
- Y1 — MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- XXXX XXXX — SAWCUT
- PB — ADJUSTING PULL BOXES
- SS — ADJUSTING MANHOLE COVERS (STORM SEWER)
- S — ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
- W — ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
- ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)

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 CONSTRUCTION

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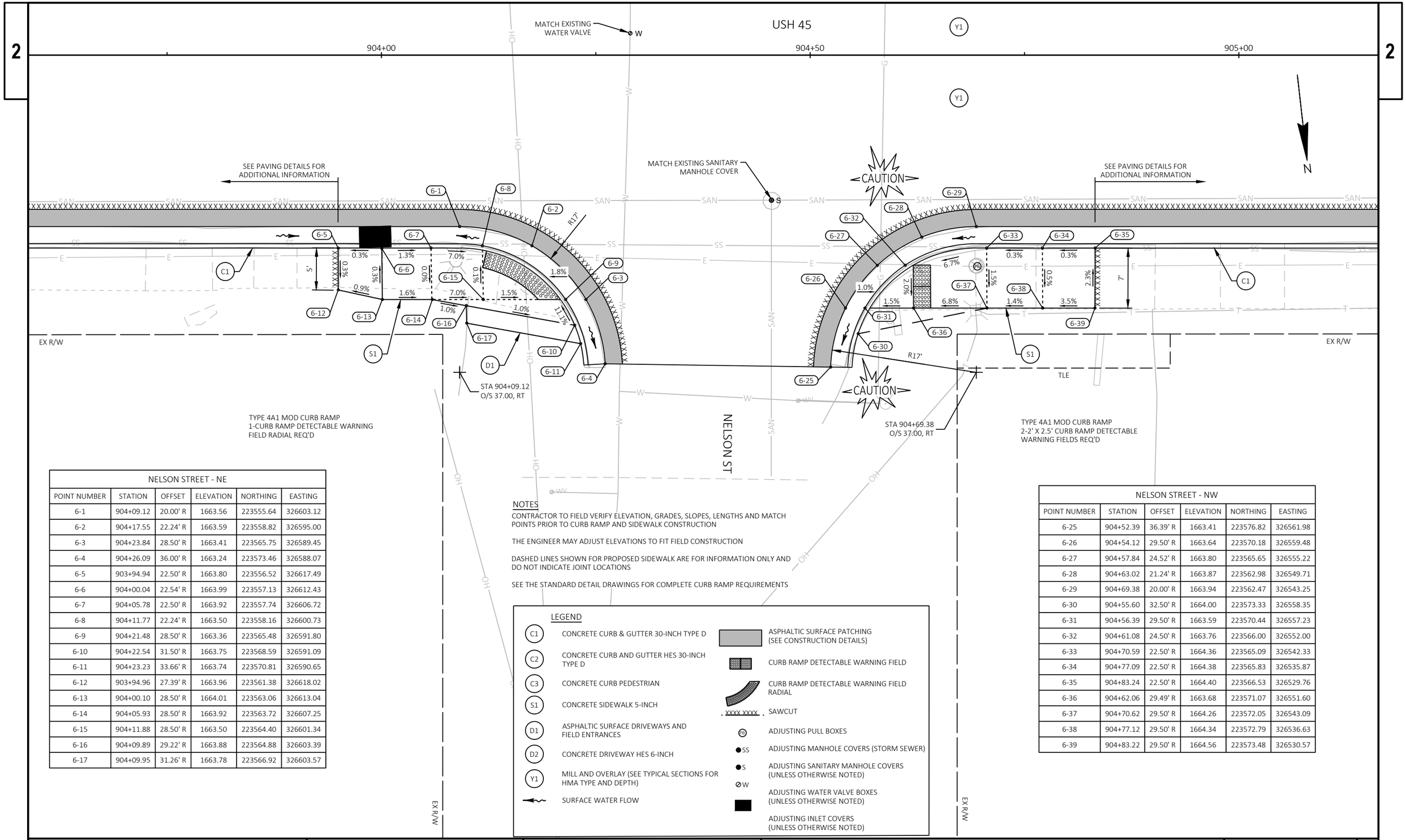
SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

FOREST STREET - MID BLOCK NORTH

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
5-1	902+36.23	20.00' R	1663.09	223536.04	326774.89
5-2	902+41.23	20.00' R	1663.06	223536.60	326769.92
5-3	902+21.97	22.50' R	1663.54	223536.90	326789.34
5-4	902+29.94	22.50' R	1663.29	223537.81	326781.42
5-5	902+36.23	22.00' R	1663.00	223538.02	326775.12
5-6	902+41.23	22.00' R	1662.99	223538.59	326770.15
5-7	902+47.91	22.50' R	1663.45	223539.84	326763.57
5-8	902+54.38	22.50' R	1663.54	223540.58	326757.14
5-9	902+60.01	22.50' R	1663.51	223541.22	326751.55
5-10	902+22.06	29.57' R	1663.76	223543.94	326790.05
5-11	902+30.03	29.56' R	1663.39	223544.83	326782.13
5-12	902+36.23	29.54' R	1663.11	223545.52	326775.98
5-13	902+41.23	29.53' R	1663.09	223546.08	326771.01
5-14	902+47.96	29.52' R	1663.56	223546.83	326764.31
5-15	902+54.38	29.50' R	1663.63	223547.53	326757.94
5-16	902+59.88	29.50' R	1663.73	223548.16	326752.47
5-17	902+22.09	31.87' R	1663.85	223546.22	326790.28
5-18	902+30.06	31.87' R	1663.43	223547.13	326782.36
5-19	902+36.23	31.87' R	1663.14	223547.82	326776.24
5-20	902+41.23	31.86' R	1663.13	223548.39	326771.27
5-21	902+47.91	31.86' R	1663.60	223549.15	326764.63
5-22	902+22.09	32.37' R	1663.85	223546.72	326790.34
5-23	902+30.07	32.37' R	1663.83	223547.62	326782.42
5-24	902+36.23	32.37' R	1663.82	223548.32	326776.30
5-25	902+41.23	32.36' R	1663.82	223548.89	326771.33
5-26	902+47.91	32.36' R	1663.84	223549.64	326764.68

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	CURB RAMP DETAILS	SHEET 26	E



NELSON STREET - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
6-1	904+09.12	20.00' R	1663.56	223555.64	326603.12
6-2	904+17.55	22.24' R	1663.59	223558.82	326595.00
6-3	904+23.84	28.50' R	1663.41	223565.75	326589.45
6-4	904+26.09	36.00' R	1663.24	223573.46	326588.07
6-5	903+94.94	22.50' R	1663.80	223556.52	326617.49
6-6	904+00.04	22.54' R	1663.99	223557.13	326612.43
6-7	904+05.78	22.50' R	1663.92	223557.74	326606.72
6-8	904+11.77	22.24' R	1663.50	223558.16	326600.73
6-9	904+21.48	28.50' R	1663.36	223565.48	326591.80
6-10	904+22.54	31.50' R	1663.75	223568.59	326591.09
6-11	904+23.23	33.66' R	1663.74	223570.81	326590.65
6-12	903+94.96	27.39' R	1663.96	223561.38	326618.02
6-13	904+00.10	28.50' R	1664.01	223563.06	326613.04
6-14	904+05.93	28.50' R	1663.92	223563.72	326607.25
6-15	904+11.88	28.50' R	1663.50	223564.40	326601.34
6-16	904+09.89	29.22' R	1663.88	223564.88	326603.39
6-17	904+09.95	31.26' R	1663.78	223566.92	326603.57

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 CONSTRUCTION

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

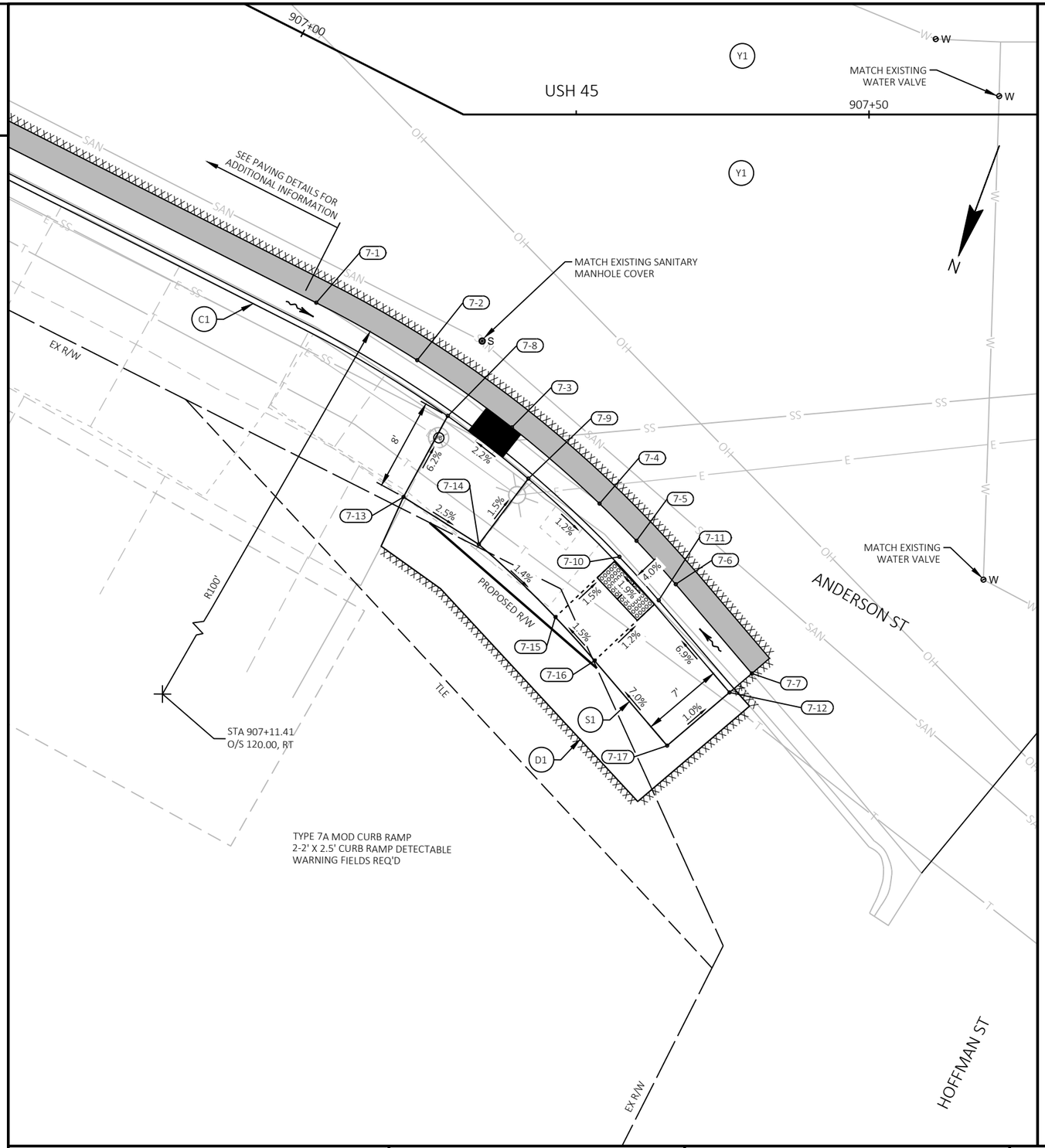
SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

LEGEND

- C1 — CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 — CONCRETE CURB AND GUTTER HES 30-INCH TYPE D
- C3 — CONCRETE CURB PEDESTRIAN
- S1 — CONCRETE SIDEWALK 5-INCH
- D1 — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- D2 — CONCRETE DRIVEWAY HES 6-INCH
- Y1 — MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- XXXX XXXX — SAWCUT
- PB — ADJUSTING PULL BOXES
- SS — ADJUSTING MANHOLE COVERS (STORM SEWER)
- S — ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
- W — ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
- ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)

NELSON STREET - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
6-25	904+52.39	36.39' R	1663.41	223576.82	326561.98
6-26	904+54.12	29.50' R	1663.64	223570.18	326559.48
6-27	904+57.84	24.52' R	1663.80	223565.65	326555.22
6-28	904+63.02	21.24' R	1663.87	223562.98	326549.71
6-29	904+69.38	20.00' R	1663.94	223562.47	326543.25
6-30	904+55.60	32.50' R	1664.00	223573.33	326558.35
6-31	904+56.39	29.50' R	1663.59	223570.44	326557.23
6-32	904+61.08	24.50' R	1663.76	223566.00	326552.00
6-33	904+70.59	22.50' R	1664.36	223565.09	326542.33
6-34	904+77.09	22.50' R	1664.38	223565.83	326535.87
6-35	904+83.24	22.50' R	1664.40	223566.53	326529.76
6-36	904+62.06	29.49' R	1663.68	223571.07	326551.60
6-37	904+70.62	29.50' R	1664.26	223572.05	326543.09
6-38	904+77.12	29.50' R	1664.34	223572.79	326536.63
6-39	904+83.22	29.50' R	1664.56	223573.48	326530.57

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	CURB RAMP DETAILS	SHEET 27	E



LEGEND

C1	CONCRETE CURB & GUTTER 30-INCH TYPE D		ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
C2	CONCRETE CURB AND GUTTER HES 30-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD
C3	CONCRETE CURB PEDESTRIAN		CURB RAMP DETECTABLE WARNING FIELD RADIAL
S1	CONCRETE SIDEWALK 5-INCH	XXXX XXXX	SAWCUT
D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	PB	ADJUSTING PULL BOXES
D2	CONCRETE DRIVEWAY HES 6-INCH	SS	ADJUSTING MANHOLE COVERS (STORM SEWER)
Y1	MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)	S	ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
	SURFACE WATER FLOW	W	ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
			ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)

NOTES

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

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SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

ANDERSON STREET - NORTH					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
7-1	907+11.41	20.00' R	1663.33	223589.91	326302.78
7-2	907+15.37	21.34' R	1663.30	223591.52	326293.00
7-3	907+19.51	26.70' R	1663.27	223594.09	326283.42
7-4	907+26.99	33.21' R	1663.58	223597.60	326274.15
7-5	907+30.14	36.38' R	1663.75	223599.48	326270.09
7-6	907+33.50	40.09' R	1663.85	223601.79	326265.66
7-7	907+39.99	47.71' R	1664.04	223606.68	326256.92
7-8	907+15.37	25.77' R	1663.61	223595.08	326288.90
7-9	907+20.91	31.08' R	1663.80	223597.71	326280.59
7-10	907+28.69	37.75' R	1663.67	223601.27	326270.98
7-11	907+32.04	41.47' R	1663.77	223603.59	326266.54
7-12	907+38.09	49.33' R	1664.46	223608.86	326258.14
7-13	907+15.37	33.04' R	1664.10	223602.88	326290.04
7-14	907+16.69	36.68' R	1663.91	223604.43	326282.60
7-15	907+23.22	42.89' R	1663.78	223607.99	326274.32
7-16	907+26.57	46.61' R	1663.86	223610.31	326269.89
7-17	907+32.76	53.87' R	1664.53	223614.97	326261.56

LEGEND

C1	CONCRETE CURB & GUTTER 30-INCH TYPE D		ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
C2	CONCRETE CURB AND GUTTER HES 30-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD
C3	CONCRETE CURB PEDESTRIAN		CURB RAMP DETECTABLE WARNING FIELD RADIAL
S1	CONCRETE SIDEWALK 5-INCH	XXXX XXXX	SAWCUT
D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	PB	ADJUSTING PULL BOXES
D2	CONCRETE DRIVEWAY HES 6-INCH	SS	ADJUSTING MANHOLE COVERS (STORM SEWER)
Y1	MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)	S	ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
	SURFACE WATER FLOW	W	ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
			ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)

NOTES

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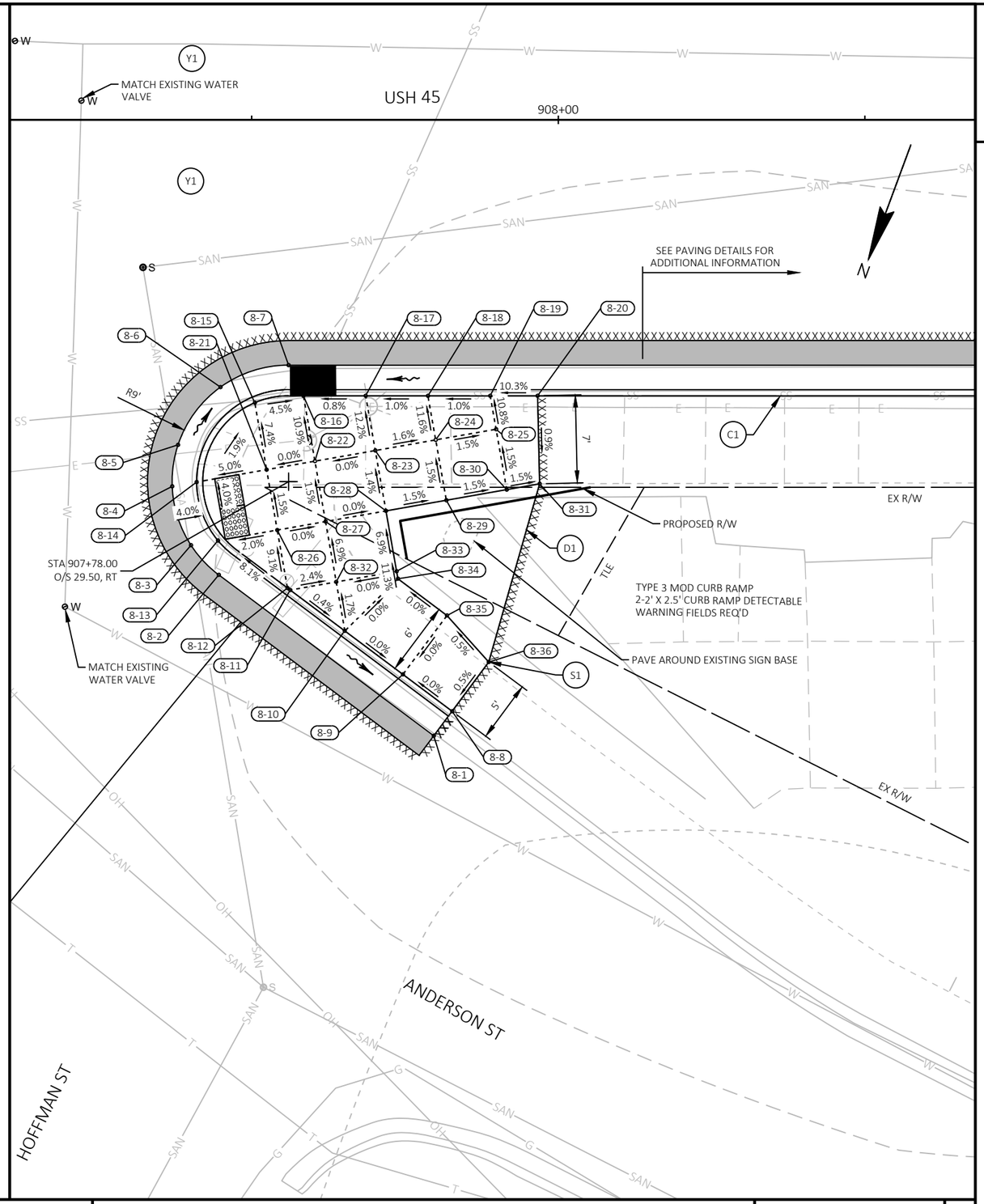
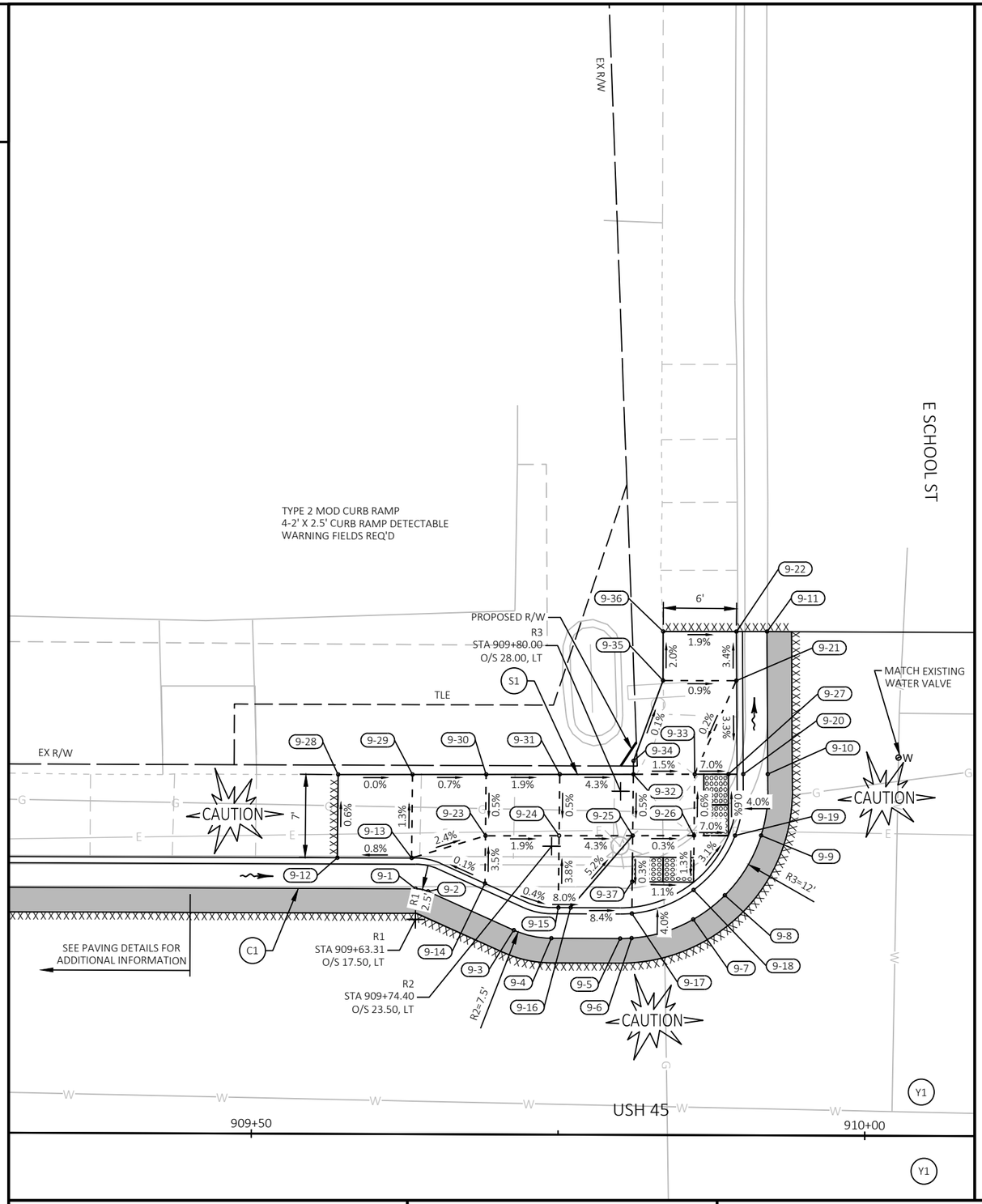
ANDERSON STREET - EAST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
8-1	907+89.85	50.23' R	1664.31	223591.74	326209.29
8-2	907+72.31	37.11' R	1664.36	223585.52	326230.29
8-3	907+70.05	34.69' R	1664.14	223584.04	326233.25
8-4	907+68.51	29.88' R	1663.88	223580.06	326236.36
8-5	907+68.99	26.50' R	1663.68	223576.73	326237.09
8-6	907+72.45	21.79' R	1663.48	223571.11	326235.48
8-7	907+78.00	20.00' R	1663.25	223567.50	326230.89
8-8	907+91.35	48.22' R	1664.74	223589.34	326208.58
8-9	907+87.33	45.22' R	1664.74	223587.91	326213.39
8-10	907+82.58	41.66' R	1664.74	223586.23	326219.08
8-11	907+78.14	38.34' R	1664.76	223584.66	326224.40
8-12	907+77.91	38.18' R	1664.76	223584.58	326224.67
8-13	907+72.24	34.30' R	1664.23	223582.91	326231.33
8-14	907+70.50	29.53' R	1663.96	223579.04	326234.62
8-15	907+75.25	23.06' R	1663.84	223571.33	326232.41
8-16	907+79.21	22.50' R	1663.66	223569.43	326228.89
8-17	907+84.29	22.50' R	1663.70	223567.66	326224.13
8-18	907+89.37	22.50' R	1663.75	223565.90	326219.37
8-19	907+94.44	22.50' R	1663.80	223564.14	326214.61
8-20	907+98.31	22.50' R	1664.20	223562.80	326210.98

ANDERSON STREET - EAST					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
8-21	907+76.21	28.53' R	1664.25	223576.12	326229.61
8-22	907+80.15	27.83' R	1664.25	223574.10	326226.16
8-23	907+85.08	26.96' R	1664.25	223571.58	326221.84
8-24	907+90.00	26.10' R	1664.17	223569.05	326217.52
8-25	907+94.93	25.23' R	1664.10	223566.53	326213.21
8-26	907+77.08	33.45' R	1664.32	223580.43	326227.09
8-27	907+81.02	32.76' R	1664.32	223578.42	326223.63
8-28	907+85.95	31.89' R	1664.32	223575.89	326219.32
8-29	907+90.87	31.02' R	1664.25	223573.37	326215.00
8-30	907+95.79	30.15' R	1664.17	223570.85	326210.68
8-31	907+98.48	29.68' R	1664.13	223569.47	326208.33
8-32	907+81.89	37.68' R	1664.67	223582.73	326221.11
8-33	907+86.81	36.81' R	1664.67	223580.21	326216.79
8-34	907+86.92	37.42' R	1664.74	223580.74	326216.48
8-35	907+90.92	40.42' R	1664.74	223582.16	326211.69
8-36	907+94.33	44.21' R	1664.76	223584.54	326207.18



PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	CURB RAMP DETAILS	SHEET 29	E



LEGEND

C1	CONCRETE CURB & GUTTER 30-INCH TYPE D		ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
C2	CONCRETE CURB AND GUTTER HES 30-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD
C3	CONCRETE CURB PEDESTRIAN		CURB RAMP DETECTABLE WARNING FIELD RADIAL
S1	CONCRETE SIDEWALK 5-INCH	XXXX XXXX	SAWCUT
D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	PB	ADJUSTING PULL BOXES
D2	CONCRETE DRIVEWAY HES 6-INCH	SS	ADJUSTING MANHOLE COVERS (STORM SEWER)
Y1	MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)	S	ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
	SURFACE WATER FLOW	W	ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
			ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)

N

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 CONSTRUCTION

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SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

E SCHOOL STREET - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
9-1	909+63.31	20.00' L	1663.81	223465.66	326070.99
9-2	909+64.33	19.78' L	1663.80	223465.51	326069.96
9-3	909+71.34	16.65' L	1663.78	223466.01	326062.31
9-4	909+74.40	16.00' L	1663.77	223465.56	326059.21
9-5	909+80.00	16.00' L	1663.75	223463.62	326053.95
9-6	909+80.94	16.04' L	1663.75	223463.26	326053.09
9-7	909+85.95	17.58' L	1663.70	223460.07	326048.92
9-8	909+88.52	19.55' L	1663.61	223457.33	326047.19
9-9	909+91.46	24.44' L	1663.47	223451.73	326046.13
9-10	909+91.99	29.44' L	1663.39	223446.85	326047.37
9-11	909+91.89	41.06' L	1663.17	223435.99	326051.50
9-12	909+56.93	22.50' L	1664.18	223465.53	326077.85
9-13	909+62.99	22.50' L	1664.23	223463.43	326072.17
9-14	909+68.97	20.45' L	1664.21	223463.27	326065.84
9-15	909+74.96	18.50' L	1664.18	223463.02	326059.55
9-16	909+75.96	18.50' L	1664.10	223462.68	326058.61
9-17	909+80.95	18.05' L	1663.68	223461.37	326053.77
9-18	909+85.97	19.97' L	1663.62	223457.82	326049.74
9-19	909+89.34	24.43' L	1663.45	223452.47	326048.12
9-20	909+89.99	29.43' L	1663.37	223447.56	326049.25
9-21	909+89.39	37.04' L	1663.66	223440.62	326052.45
9-22	909+89.39	41.04' L	1663.53	223436.87	326053.84
9-23	909+69.00	24.33' L	1664.07	223459.62	326067.16
9-24	909+75.00	24.36' L	1663.96	223457.51	326061.55

E SCHOOL STREET - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
9-25	909+81.00	24.39' L	1663.70	223455.40	326055.93
9-26	909+86.00	24.41' L	1663.68	223453.65	326051.25
9-27	909+88.78	29.42' L	1663.46	223447.98	326050.38
9-28	909+56.97	29.28' L	1664.14	223459.16	326080.16
9-29	909+63.04	29.31' L	1664.14	223457.03	326074.48
9-30	909+69.04	29.33' L	1664.10	223454.92	326068.87
9-31	909+75.04	29.36' L	1663.98	223452.81	326063.25
9-32	909+81.04	29.39' L	1663.73	223450.70	326057.63
9-33	909+86.04	29.41' L	1663.65	223448.95	326052.95
9-34	909+81.04	30.48' L	1663.73	223449.68	326058.00
9-35	909+83.43	37.04' L	1663.72	223442.70	326058.04
9-36	909+83.42	41.04' L	1663.64	223438.95	326059.44
9-37	909+80.97	20.65' L	1663.69	223458.92	326054.65

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LEGEND

C1	CONCRETE CURB & GUTTER 30-INCH TYPE D		ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
C2	CONCRETE CURB AND GUTTER HES 30-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD
C3	CONCRETE CURB PEDESTRIAN		CURB RAMP DETECTABLE WARNING FIELD RADIAL
S1	CONCRETE SIDEWALK 5-INCH	XXXX XXXX	SAWCUT
D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	PB	ADJUSTING PULL BOXES
D2	CONCRETE DRIVEWAY HES 6-INCH	SS	ADJUSTING MANHOLE COVERS (STORM SEWER)
Y1	MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)	S	ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
	SURFACE WATER FLOW	W	ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
			ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)

NOTES

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

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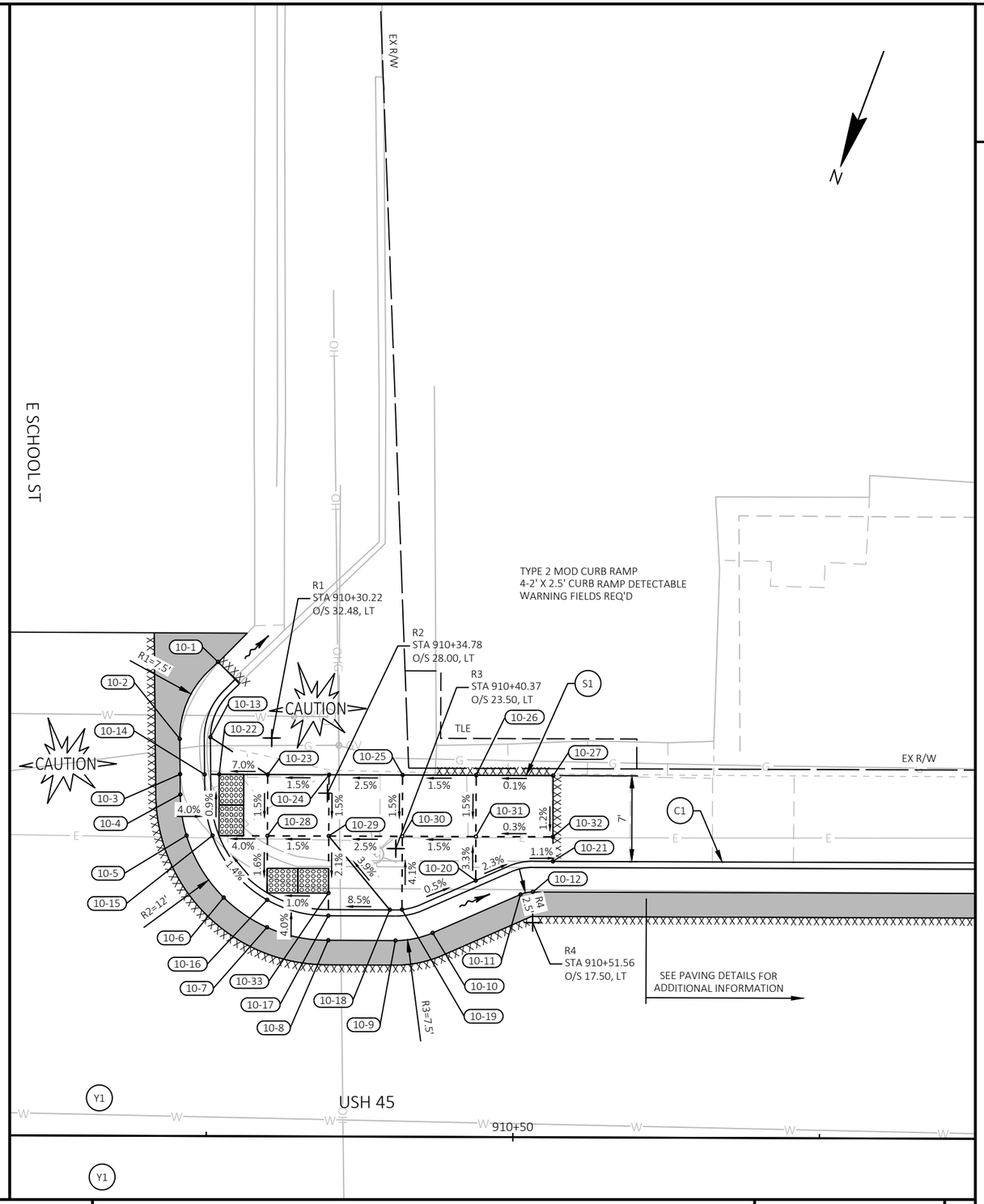
E SCHOOL STREET - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
10-1	910+25.82	38.67' L	1663.26	223426.45	326018.85
10-2	910+22.72	32.38' L	1663.33	223433.42	326019.57
10-3	910+22.76	29.50' L	1663.36	223436.11	326018.54
10-4	910+22.78	27.84' L	1663.37	223437.66	326017.94
10-5	910+23.31	24.50' L	1663.41	223440.61	326016.29
10-6	910+26.35	19.46' L	1663.47	223444.28	326011.68
10-7	910+29.89	17.04' L	1663.50	223445.32	326007.53
10-8	910+34.89	16.00' L	1663.53	223444.56	326002.48
10-9	910+40.37	16.00' L	1663.55	223442.66	325997.34
10-10	910+43.39	16.64' L	1663.54	223441.01	325994.72
10-11	910+50.55	19.79' L	1663.50	223435.57	325989.11
10-12	910+51.56	20.00' L	1663.49	223435.03	325988.24
10-13	910+25.22	32.53' L	1663.72	223432.42	326017.28
10-14	910+24.76	29.49' L	1663.28	223435.42	326016.66
10-15	910+25.42	24.50' L	1663.33	223439.88	326014.31
10-16	910+29.89	19.28' L	1663.42	223443.22	326008.30
10-17	910+34.89	18.00' L	1663.45	223442.69	326003.17
10-18	910+39.89	18.50' L	1663.88	223440.48	325998.65
10-19	910+40.89	18.53' L	1663.97	223440.11	325997.73
10-20	910+46.90	20.91' L	1663.93	223435.79	325992.92
10-21	910+53.19	22.50' L	1663.81	223432.12	325987.58
10-22	910+25.95	29.50' L	1663.30	223435.01	326015.55

E SCHOOL STREET - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
10-23	910+29.91	29.50' L	1663.57	223433.63	326011.84
10-24	910+34.91	29.50' L	1663.65	223431.90	326007.15
10-25	910+40.91	29.50' L	1663.80	223429.81	326001.52
10-26	910+46.91	29.50' L	1663.89	223427.73	325995.90
10-27	910+53.18	29.50' L	1663.90	223425.55	325990.01
10-28	910+29.90	24.50' L	1663.50	223438.32	326010.11
10-29	910+34.90	24.50' L	1663.57	223436.59	326005.42
10-30	910+40.90	24.50' L	1663.72	223434.50	325999.79
10-31	910+46.90	24.50' L	1663.81	223432.42	325994.17
10-32	910+53.19	24.50' L	1663.84	223430.24	325988.27
10-33	910+34.90	19.85' L	1663.48	223440.95	326003.81



PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	CURB RAMP DETAILS	SHEET 31	E

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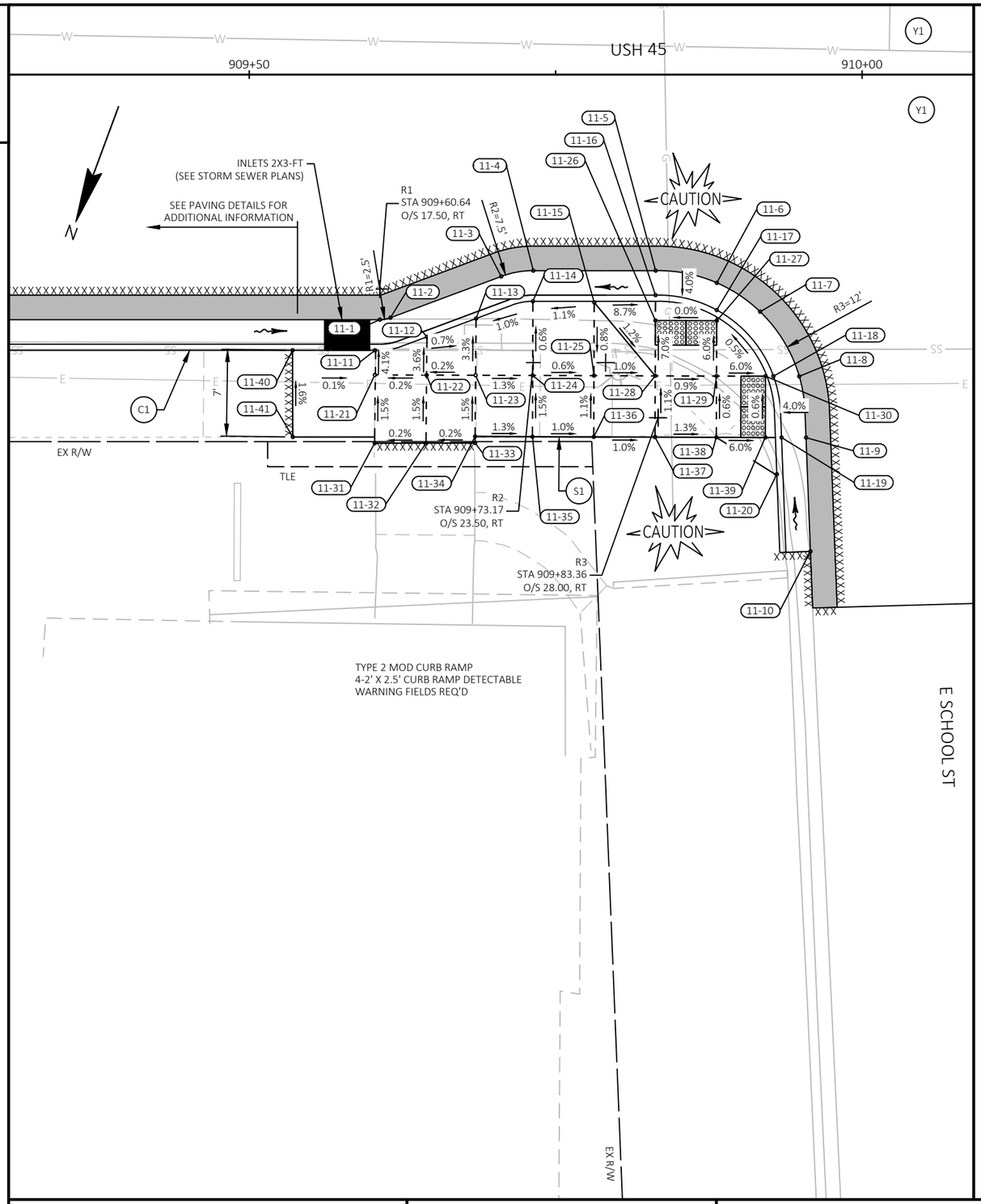

LEGEND

C1	CONCRETE CURB & GUTTER 30-INCH TYPE D		ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
C2	CONCRETE CURB AND GUTTER HES 30-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD
C3	CONCRETE CURB PEDESTRIAN		CURB RAMP DETECTABLE WARNING FIELD RADIAL
S1	CONCRETE SIDEWALK 5-INCH	XXXX XXXX	SAWCUT
D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	PB	ADJUSTING PULL BOXES
D2	CONCRETE DRIVEWAY HES 6-INCH	SS	ADJUSTING MANHOLE COVERS (STORM SEWER)
Y1	MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)	S	ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
	SURFACE WATER FLOW	W	ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
			ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)

NOTES

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E SCHOOL STREET - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
11-1	909+60.64	20.00' R	1663.66	223504.10	326059.61
11-2	909+61.52	19.84' R	1663.66	223503.65	326058.85
11-3	909+70.55	16.47' R	1663.63	223497.35	326051.54
11-4	909+73.17	16.00' R	1663.66	223496.00	326049.25
11-5	909+83.15	16.00' R	1663.77	223492.53	326039.89
11-6	909+88.15	17.00' R	1663.79	223491.74	326034.86
11-7	909+91.68	19.35' R	1663.81	223492.72	326030.73
11-8	909+94.87	24.62' R	1663.83	223496.55	326025.91
11-9	909+95.43	29.62' R	1663.85	223501.05	326023.65
11-10	909+95.79	38.91' R	1663.86	223509.63	326020.09
11-11	909+60.25	22.51' R	1664.09	223506.59	326059.11
11-12	909+64.49	21.40' R	1664.06	223504.08	326055.51
11-13	909+68.51	19.90' R	1664.02	223501.28	326052.27
11-14	909+73.14	18.50' R	1664.08	223498.35	326048.41
11-15	909+78.14	18.59' R	1664.14	223496.70	326043.69
11-16	909+83.14	18.00' R	1663.69	223494.41	326039.20
11-17	909+88.14	19.22' R	1663.71	223493.82	326034.10
11-18	909+92.76	24.61' R	1663.75	223497.27	326027.89
11-19	909+93.43	29.62' R	1663.77	223501.74	326025.53
11-20	909+93.04	32.61' R	1664.27	223504.68	326024.85
11-21	909+60.25	24.51' R	1664.17	223508.46	326058.42
11-22	909+64.47	24.52' R	1664.17	223507.01	326054.46
11-23	909+68.47	24.53' R	1664.18	223505.63	326050.70
11-24	909+73.12	24.55' R	1664.12	223504.03	326046.33
11-25	909+78.12	24.57' R	1664.09	223502.31	326041.63

E SCHOOL STREET - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
11-26	909+83.14	20.07' R	1663.72	223496.35	326038.49
11-27	909+88.14	20.08' R	1663.73	223494.63	326033.80
11-28	909+83.12	24.58' R	1664.04	223500.59	326036.94
11-29	909+88.12	24.60' R	1664.00	223498.87	326032.24
11-30	909+92.12	24.61' R	1663.75	223497.50	326028.49
11-31	909+60.23	30.08' R	1664.25	223513.70	326056.50
11-32	909+64.42	30.07' R	1664.26	223512.23	326052.57
11-33	909+68.42	30.06' R	1664.26	223510.83	326048.82
11-34	909+68.42	29.53' R	1664.25	223510.34	326049.00
11-35	909+73.11	29.55' R	1664.19	223508.73	326044.61
11-36	909+78.11	29.57' R	1664.14	223507.01	326039.91
11-37	909+83.11	29.58' R	1664.09	223505.29	326035.22
11-38	909+88.11	29.60' R	1664.03	223503.57	326030.52
11-39	909+92.11	29.61' R	1663.79	223502.19	326026.77
11-40	909+53.53	22.50' R	1664.14	223508.91	326065.42
11-41	909+53.55	29.57' R	1664.25	223515.54	326062.94

LEGEND

C1	CONCRETE CURB & GUTTER 30-INCH TYPE D		ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
C2	CONCRETE CURB AND GUTTER HES 30-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD
C3	CONCRETE CURB PEDESTRIAN		CURB RAMP DETECTABLE WARNING FIELD RADIAL
S1	CONCRETE SIDEWALK 5-INCH	XXXX XXXX	SAWCUT
D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	PB	ADJUSTING PULL BOXES
D2	CONCRETE DRIVEWAY HES 6-INCH	SS	ADJUSTING MANHOLE COVERS (STORM SEWER)
Y1	MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)	S	ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
	SURFACE WATER FLOW	W	ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
			ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)

NOTES

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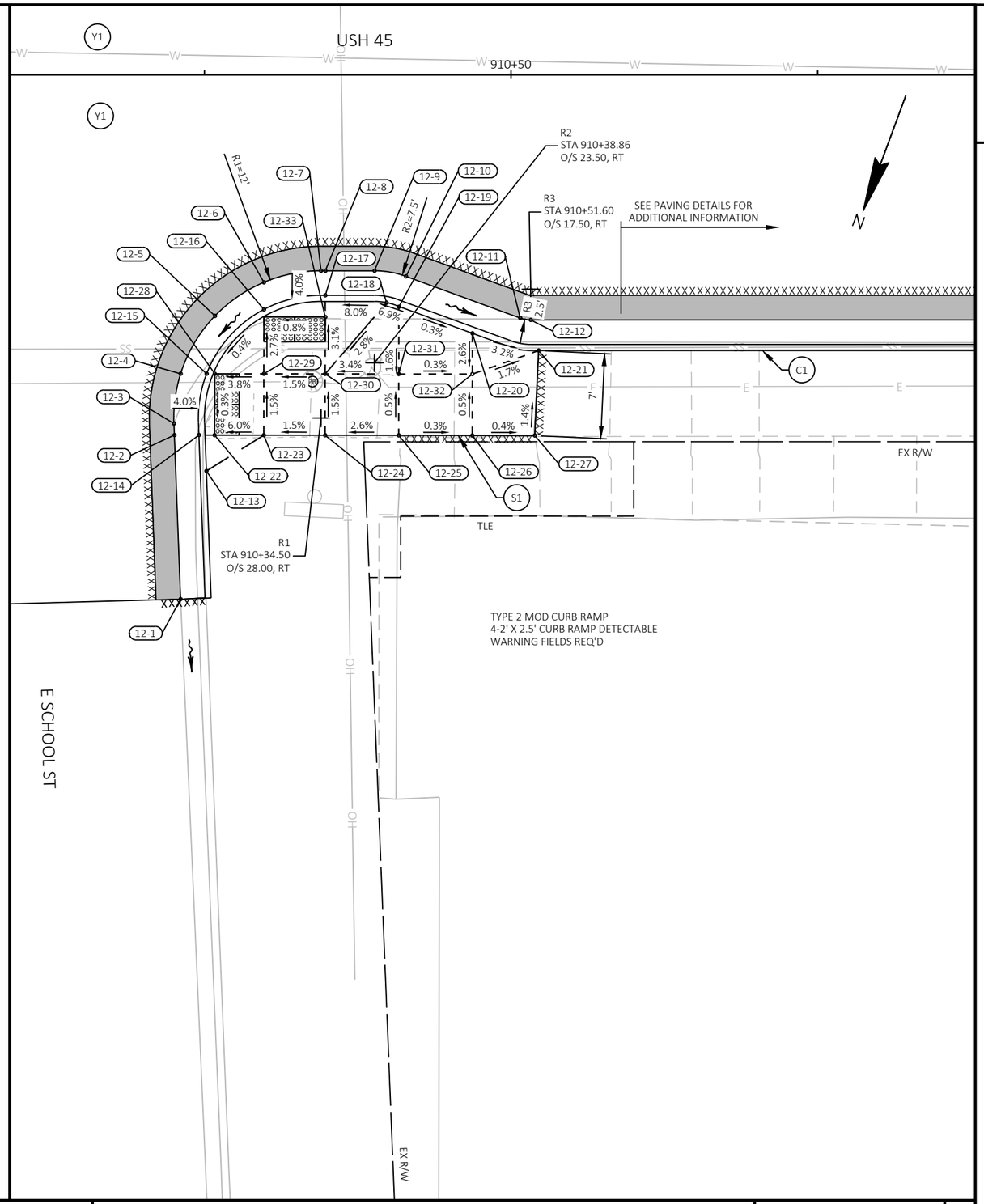
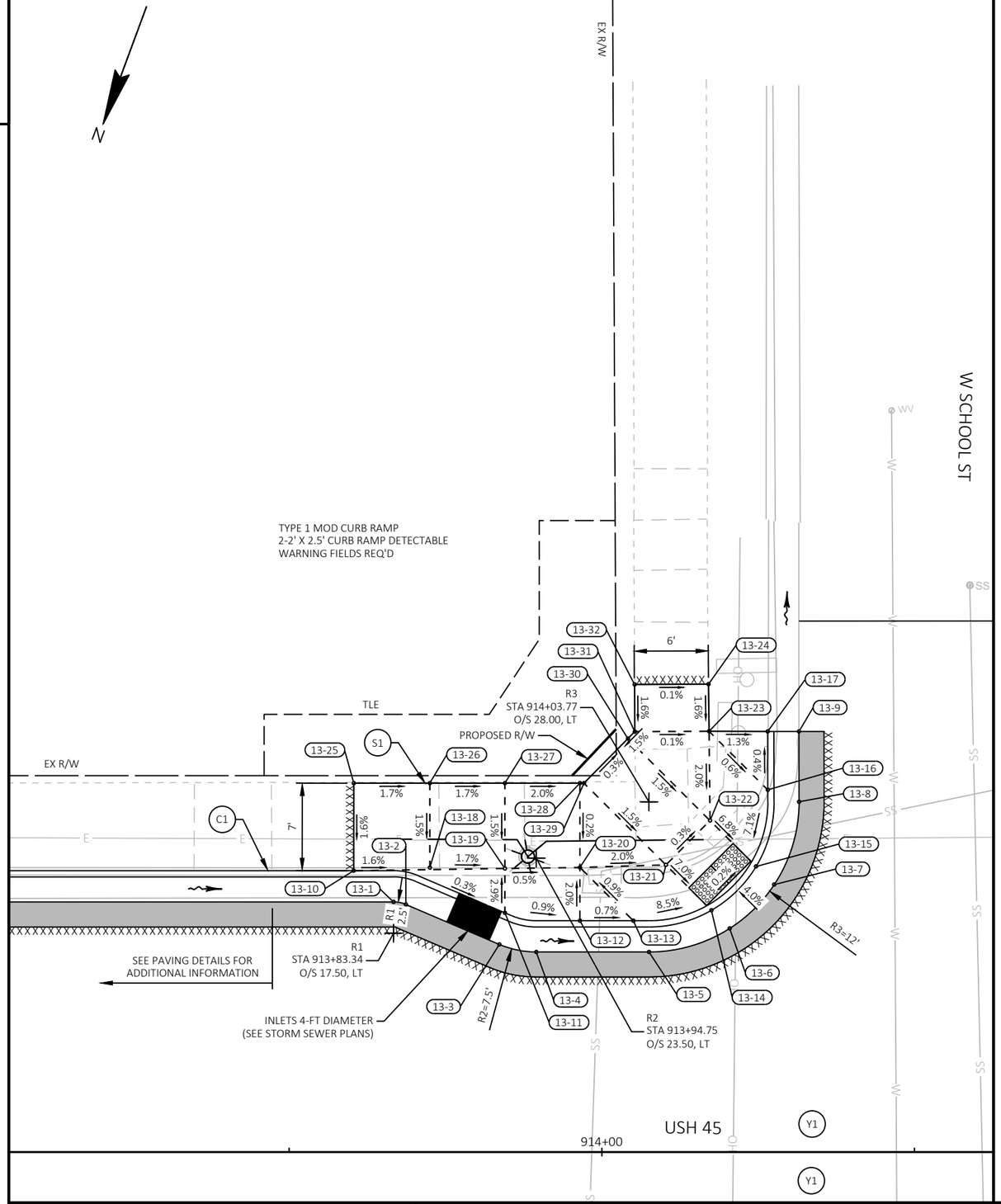
E SCHOOL STREET - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
12-1	910+23.05	42.77' R	1663.43	223503.79	325993.18
12-2	910+22.55	29.39' R	1663.48	223491.42	325998.30
12-3	910+22.51	28.45' R	1663.48	223490.55	325998.66
12-4	910+23.06	24.39' R	1663.49	223486.55	325999.55
12-5	910+25.86	19.67' R	1663.51	223481.15	325998.56
12-6	910+29.85	16.94' R	1663.53	223477.20	325995.77
12-7	910+34.50	16.00' R	1663.54	223474.71	325991.73
12-8	910+34.85	16.00' R	1663.54	223474.59	325991.40
12-9	910+38.86	16.00' R	1663.53	223473.19	325987.65
12-10	910+41.43	16.45' R	1663.52	223472.73	325985.08
12-11	910+50.75	19.85' R	1663.49	223472.68	325975.16
12-12	910+51.60	20.00' R	1663.49	223472.52	325974.31
12-13	910+25.16	32.32' R	1663.88	223493.26	325994.83
12-14	910+24.55	29.39' R	1663.40	223490.72	325996.42
12-15	910+25.17	24.39' R	1663.42	223485.82	325997.57
12-16	910+29.85	19.15' R	1663.44	223479.27	325995.00
12-17	910+34.85	18.00' R	1663.46	223476.46	325990.71
12-18	910+39.85	18.60' R	1663.87	223475.29	325985.82
12-19	910+40.85	18.93' R	1663.94	223475.25	325984.76
12-20	910+46.85	21.09' R	1663.92	223475.19	325978.39

E SCHOOL STREET - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
12-21	910+52.25	22.50' R	1663.74	223474.64	325972.84
12-22	910+25.83	29.39' R	1663.41	223490.28	325995.22
12-23	910+29.84	29.40' R	1663.65	223488.89	325991.46
12-24	910+34.84	29.41' R	1663.73	223487.16	325986.77
12-25	910+40.84	29.41' R	1663.88	223485.09	325981.14
12-26	910+46.84	29.42' R	1663.86	223483.01	325975.51
12-27	910+51.93	29.43' R	1663.84	223481.25	325970.73
12-28	910+25.84	24.39' R	1663.42	223485.59	325996.94
12-29	910+29.84	24.40' R	1663.58	223484.20	325993.19
12-30	910+34.84	24.41' R	1663.65	223482.47	325988.50
12-31	910+40.84	24.41' R	1663.85	223480.40	325982.87
12-32	910+46.84	24.42' R	1663.83	223478.32	325977.24
12-33	910+34.85	19.77' R	1663.49	223478.12	325990.10





LEGEND

C1	CONCRETE CURB & GUTTER 30-INCH TYPE D		ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
C2	CONCRETE CURB AND GUTTER HES 30-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD
C3	CONCRETE CURB PEDESTRIAN		CURB RAMP DETECTABLE WARNING FIELD RADIAL
S1	CONCRETE SIDEWALK 5-INCH	XXXX XXXX	SAWCUT
D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	PB	ADJUSTING PULL BOXES
D2	CONCRETE DRIVEWAY HES 6-INCH	SS	ADJUSTING MANHOLE COVERS (STORM SEWER)
Y1	MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)	S	ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
	SURFACE WATER FLOW	W	ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
			ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)

NOTES

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

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SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

W SCHOOL STREET - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
13-1	913+83.34	20.00' L	1662.00	223319.85	325677.08
13-2	913+84.33	19.80' L	1661.99	223319.69	325676.09
13-3	913+91.81	16.60' L	1661.91	223320.09	325667.97
13-4	913+94.75	16.00' L	1661.89	223319.64	325664.99
13-5	914+03.77	16.00' L	1661.83	223316.51	325656.54
13-6	914+10.22	17.88' L	1661.78	223312.50	325651.14
13-7	914+13.78	21.39' L	1661.76	223307.98	325649.02
13-8	914+15.77	28.01' L	1661.74	223301.08	325649.46
13-9	914+15.76	33.63' L	1661.71	223295.81	325651.41
13-10	913+80.15	22.50' L	1662.43	223318.61	325680.94
13-11	913+92.25	19.13' L	1662.33	223317.57	325668.43
13-12	913+98.25	18.50' L	1662.28	223316.08	325662.58
13-13	914+02.52	18.50' L	1662.25	223314.60	325658.58
13-14	914+08.76	19.34' L	1661.71	223311.65	325653.02
13-15	914+12.33	22.84' L	1661.70	223307.12	325650.88
13-16	914+13.27	28.97' L	1662.15	223301.05	325652.13
13-17	914+13.26	33.63' L	1662.13	223296.68	325653.76
13-18	913+86.25	22.74' L	1662.33	223316.27	325675.31
13-19	913+92.25	22.67' L	1662.23	223314.25	325669.66
13-20	913+98.25	22.76' L	1662.20	223312.09	325664.06
13-21	914+05.12	22.96' L	1662.06	223309.51	325657.69
13-22	914+08.65	26.50' L	1662.05	223304.96	325655.61

W SCHOOL STREET - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
13-23	914+08.58	33.64' L	1662.19	223298.29	325658.16
13-24	914+08.53	37.41' L	1662.25	223294.78	325659.51
13-25	913+80.16	29.50' L	1662.54	223312.04	325683.36
13-26	913+86.25	29.50' L	1662.43	223309.93	325677.66
13-27	913+92.25	29.50' L	1662.33	223307.85	325672.03
13-28	913+98.25	29.50' L	1662.21	223305.77	325666.41
13-29	913+98.57	29.50' L	1662.20	223305.65	325666.10
13-30	914+02.08	33.06' L	1662.19	223301.10	325664.04
13-31	914+02.63	33.61' L	1662.20	223300.38	325663.72
13-32	914+02.62	37.39' L	1662.26	223296.85	325665.04

LEGEND

C1	CONCRETE CURB & GUTTER 30-INCH TYPE D		ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
C2	CONCRETE CURB AND GUTTER HES 30-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD
C3	CONCRETE CURB PEDESTRIAN		CURB RAMP DETECTABLE WARNING FIELD RADIAL
S1	CONCRETE SIDEWALK 5-INCH	XXXX XXXX	SAWCUT
D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	PB	ADJUSTING PULL BOXES
D2	CONCRETE DRIVEWAY HES 6-INCH	SS	ADJUSTING MANHOLE COVERS (STORM SEWER)
Y1	MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)	S	ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
	SURFACE WATER FLOW	W	ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
			ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)

NOTES

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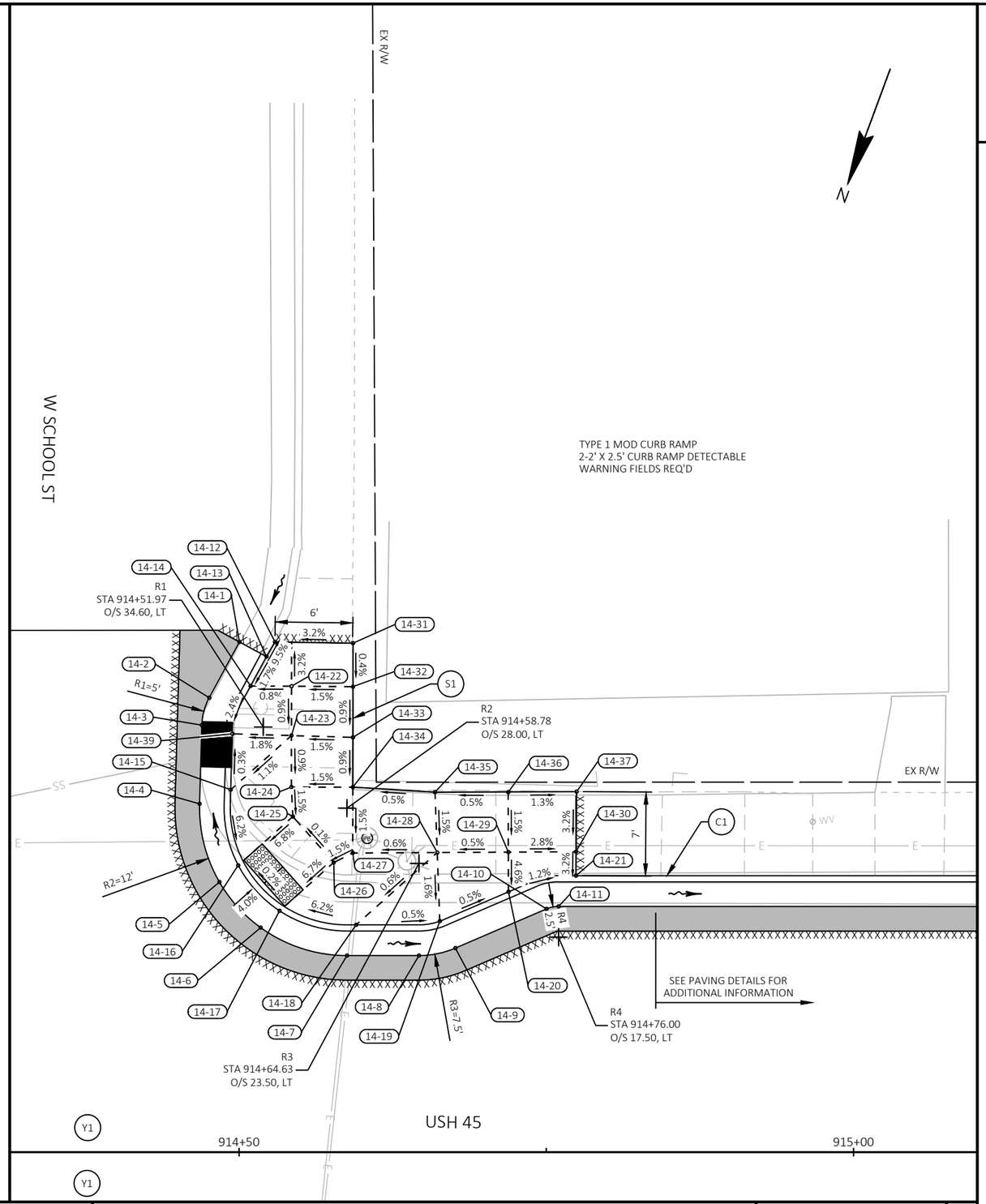
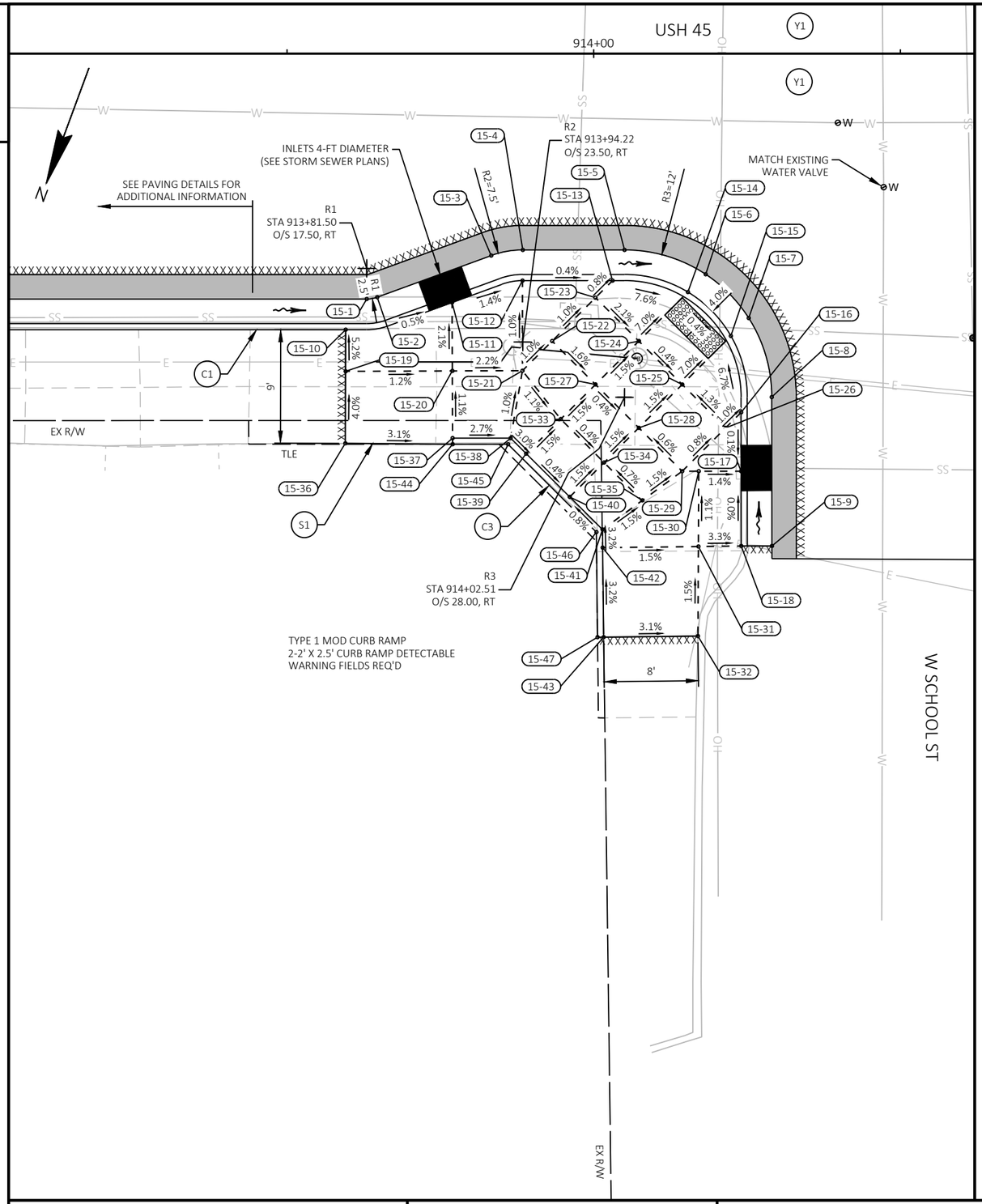
W SCHOOL STREET - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
14-1	914+50.03	41.52' L	1661.74	223276.51	325622.02
14-2	914+47.57	36.98' L	1661.64	223281.62	325622.75
14-3	914+46.97	34.75' L	1661.60	223283.93	325622.53
14-4	914+46.78	28.35' L	1661.61	223289.99	325620.49
14-5	914+48.40	21.98' L	1661.64	223295.41	325616.76
14-6	914+51.75	18.27' L	1661.65	223297.72	325612.33
14-7	914+58.78	16.00' L	1661.62	223297.41	325604.95
14-8	914+64.63	16.00' L	1661.59	223295.38	325599.46
14-9	914+67.60	16.61' L	1661.58	223293.78	325596.89
14-10	914+75.01	19.80' L	1661.54	223288.22	325591.04
14-11	914+76.00	20.00' L	1661.54	223287.68	325590.19
14-12	914+52.92	41.52' L	1662.02	223275.51	325619.31
14-13	914+52.23	40.33' L	1662.02	223276.87	325619.54
14-14	914+50.93	37.94' L	1662.11	223279.56	325619.93
14-15	914+49.32	29.50' L	1662.02	223288.04	325618.51
14-16	914+49.93	23.34' L	1661.62	223293.60	325615.80
14-17	914+53.29	19.64' L	1661.63	223295.90	325611.36
14-18	914+59.52	18.50' L	1662.04	223294.81	325605.12
14-19	914+66.33	18.80' L	1662.00	223292.17	325598.84
14-20	914+71.92	21.19' L	1661.97	223287.98	325594.43
14-21	914+77.41	22.50' L	1661.91	223284.85	325589.73
14-22	914+54.27	37.92' L	1662.13	223278.42	325616.79
14-23	914+54.26	33.91' L	1662.09	223282.19	325615.40
14-24	914+54.26	29.71' L	1662.06	223286.12	325613.95

W SCHOOL STREET - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
14-25	914+54.37	27.31' L	1662.02	223288.34	325613.01
14-26	914+57.70	23.58' L	1662.03	223290.68	325608.59
14-27	914+59.25	24.35' L	1662.05	223289.42	325607.41
14-28	914+66.12	24.39' L	1662.09	223287.00	325600.97
14-29	914+71.91	24.42' L	1662.12	223284.96	325595.56
14-30	914+77.41	24.45' L	1661.97	223283.02	325590.41
14-31	914+59.27	41.43' L	1662.22	223273.40	325613.32
14-32	914+59.27	37.88' L	1662.21	223276.72	325612.09
14-33	914+59.26	33.76' L	1662.17	223280.59	325610.66
14-34	914+59.26	29.71' L	1662.13	223284.39	325609.26
14-35	914+65.94	29.30' L	1662.17	223282.45	325602.85
14-36	914+71.90	29.29' L	1662.20	223280.40	325597.26
14-37	914+77.46	29.34' L	1662.12	223278.42	325592.06
14-39	914+49.45	34.05' L	1662.01	223283.73	325619.96



PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	CURB RAMP DETAILS	SHEET 35	E



LEGEND

C1	CONCRETE CURB & GUTTER 30-INCH TYPE D		ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
C2	CONCRETE CURB AND GUTTER HES 30-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD
C3	CONCRETE CURB PEDESTRIAN		CURB RAMP DETECTABLE WARNING FIELD RADIAL
S1	CONCRETE SIDEWALK 5-INCH	XXXX XXXX	SAWCUT
D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	PB	ADJUSTING PULL BOXES
D2	CONCRETE DRIVEWAY HES 6-INCH	SS	ADJUSTING MANHOLE COVERS (STORM SEWER)
Y1	MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)	S	ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
	SURFACE WATER FLOW	W	ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
			ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)

NOTES

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W SCHOOL STREET - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
15-1	913+81.50	20.00' R	1662.06	223358.00	325664.93
15-2	913+82.36	19.85' R	1662.05	223357.56	325664.18
15-3	913+91.65	16.46' R	1661.93	223351.15	325656.64
15-4	913+94.22	16.00' R	1661.90	223349.83	325654.39
15-5	914+02.51	16.00' R	1661.87	223346.95	325646.61
15-6	914+09.12	17.99' R	1661.85	223346.52	325639.72
15-7	914+12.63	21.55' R	1661.83	223348.65	325635.19
15-8	914+14.51	27.99' R	1661.81	223354.03	325631.20
15-9	914+14.53	40.12' R	1661.89	223365.40	325626.97
15-10	913+79.78	22.50' R	1662.45	223360.94	325665.67
15-11	913+88.45	20.28' R	1662.40	223355.85	325658.31
15-12	913+94.19	18.50' R	1662.32	223352.19	325653.55
15-13	914+01.53	18.50' R	1662.29	223349.64	325646.66
15-14	914+07.67	19.44' R	1661.80	223348.38	325640.58
15-15	914+11.17	23.01' R	1661.79	223350.52	325636.05
15-16	914+12.01	29.23' R	1662.23	223356.07	325633.11
15-17	914+12.02	34.03' R	1662.22	223360.56	325631.44
15-18	914+12.03	40.12' R	1662.22	223366.27	325629.31
15-19	913+79.78	25.89' R	1662.62	223364.12	325664.50
15-20	913+88.48	25.86' R	1662.52	223361.07	325656.35
15-21	913+94.19	25.84' R	1662.39	223359.07	325651.00
15-22	913+96.61	23.42' R	1662.35	223355.96	325649.57
15-23	914+00.15	19.89' R	1662.30	223351.42	325647.48
15-24	914+03.68	23.42' R	1662.20	223353.51	325642.94
15-25	914+07.21	26.96' R	1662.18	223355.60	325638.40

W SCHOOL STREET - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
15-26	914+10.75	30.50' R	1662.24	223357.69	325633.85
15-27	914+00.14	26.96' R	1662.27	223358.05	325645.03
15-28	914+03.68	30.50' R	1662.25	223360.14	325640.49
15-29	914+07.21	34.03' R	1662.28	223362.23	325635.94
15-30	914+08.56	34.03' R	1662.27	223361.77	325634.68
15-31	914+08.53	40.16' R	1662.33	223367.53	325632.58
15-32	914+08.49	47.47' R	1662.44	223374.39	325630.08
15-33	913+97.31	29.78' R	1662.33	223361.69	325646.70
15-34	914+00.85	33.32' R	1662.31	223363.78	325642.16
15-35	914+03.96	36.41' R	1662.35	223365.59	325638.17
15-36	913+79.75	31.76' R	1662.85	223369.63	325662.48
15-37	913+88.50	31.33' R	1662.58	223366.20	325654.43
15-38	913+93.23	31.33' R	1662.45	223364.56	325649.99
15-39	913+94.50	32.60' R	1662.39	223365.30	325648.36
15-40	913+98.04	36.12' R	1662.37	223367.38	325643.82
15-41	914+00.71	38.78' R	1662.41	223368.94	325640.39
15-42	914+00.73	40.26' R	1662.45	223370.32	325639.86
15-43	914+00.81	47.55' R	1662.68	223377.14	325637.25
15-44	913+88.50	31.83' R	1662.59	223366.67	325654.26
15-45	913+93.02	31.83' R	1662.59	223365.10	325650.01
15-46	914+00.22	38.99' R	1662.55	223369.31	325640.78
15-47	914+00.31	47.56' R	1662.69	223377.32	325637.72

LEGEND

C1	CONCRETE CURB & GUTTER 30-INCH TYPE D		ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
C2	CONCRETE CURB AND GUTTER HES 30-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD
C3	CONCRETE CURB PEDESTRIAN		CURB RAMP DETECTABLE WARNING FIELD RADIAL
S1	CONCRETE SIDEWALK 5-INCH	XXXX XXXX	SAWCUT
D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	PB	ADJUSTING PULL BOXES
D2	CONCRETE DRIVEWAY HES 6-INCH	SS	ADJUSTING MANHOLE COVERS (STORM SEWER)
Y1	MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)	S	ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
	SURFACE WATER FLOW	W	ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
			ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)

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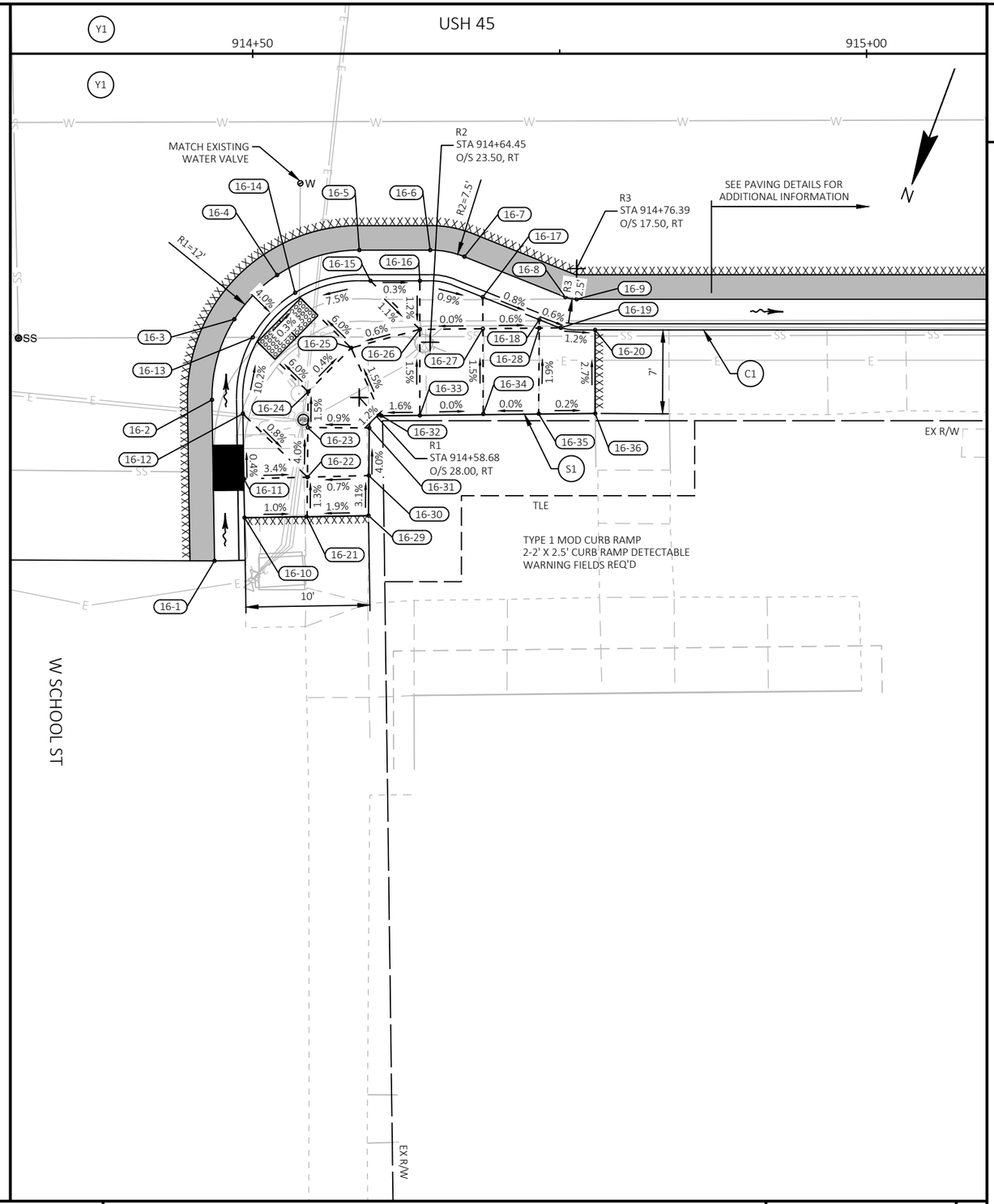
W SCHOOL STREET - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
16-1	914+46.89	41.31' R	1662.08	223355.28	325596.21
16-2	914+46.68	28.19' R	1661.76	223343.06	325600.96
16-3	914+48.51	21.63' R	1661.64	223336.26	325601.52
16-4	914+51.99	18.04' R	1661.63	223331.69	325599.50
16-5	914+58.68	16.00' R	1661.61	223327.46	325593.94
16-6	914+64.45	16.00' R	1661.59	223325.45	325588.52
16-7	914+67.24	16.54' R	1661.57	223324.99	325585.72
16-8	914+75.46	19.82' R	1661.49	223325.21	325576.87
16-9	914+76.39	20.00' R	1661.49	223325.06	325575.94
16-10	914+49.33	37.79' R	1662.25	223351.13	325595.14
16-11	914+49.28	34.63' R	1662.33	223348.19	325596.28
16-12	914+49.20	29.31' R	1662.21	223343.24	325598.21
16-13	914+50.01	23.10' R	1661.57	223337.13	325599.60
16-14	914+53.45	19.47' R	1661.55	223332.53	325597.63
16-15	914+59.59	18.50' R	1662.03	223329.48	325592.21
16-16	914+63.61	18.50' R	1662.01	223328.09	325588.45
16-17	914+68.73	19.83' R	1661.97	223327.55	325583.18
16-18	914+73.34	21.67' R	1661.93	223327.68	325578.22
16-19	914+75.08	22.33' R	1661.91	223327.70	325576.36
16-20	914+77.89	22.50' R	1661.88	223326.88	325573.67

W SCHOOL STREET - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
16-21	914+54.38	37.71' R	1662.20	223349.30	325590.43
16-22	914+54.46	34.49' R	1662.15	223346.26	325591.48
16-23	914+54.49	30.44' R	1661.99	223342.45	325592.85
16-24	914+54.51	27.53' R	1661.95	223339.72	325593.84
16-25	914+58.02	23.97' R	1661.93	223335.16	325591.79
16-26	914+63.61	22.45' R	1661.96	223331.80	325587.07
16-27	914+68.75	22.40' R	1661.96	223329.96	325582.27
16-28	914+73.33	22.35' R	1661.94	223328.32	325577.99
16-29	914+59.43	37.63' R	1662.29	223347.48	325585.72
16-30	914+59.46	34.36' R	1662.19	223344.40	325586.83
16-31	914+59.49	30.48' R	1662.04	223340.76	325588.15
16-32	914+60.48	29.49' R	1662.02	223339.48	325587.57
16-33	914+63.61	29.45' R	1662.07	223338.36	325584.64
16-34	914+68.78	29.34' R	1662.07	223336.46	325579.84
16-35	914+73.29	29.32' R	1662.07	223334.88	325575.61
16-36	914+77.89	29.30' R	1662.06	223333.26	325571.30



2

GOGEBIC STREET - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
17-1	918+56.19	20.00' L	1660.02	223155.70	325233.64
17-2	918+66.98	22.34' L	1659.87	223149.76	325224.34
17-3	918+76.31	29.53' L	1659.71	223139.77	325218.08
17-4	918+78.34	32.38' L	1659.65	223136.41	325217.17
17-5	918+37.45	22.50' L	1660.64	223159.86	325252.09
17-6	918+46.28	22.50' L	1660.56	223156.80	325243.81
17-7	918+54.28	22.50' L	1660.07	223154.02	325236.31
17-8	918+60.21	22.34' L	1659.89	223152.11	325230.68
17-9	918+73.65	29.53' L	1659.66	223140.70	325220.58
17-10	918+75.45	32.53' L	1660.06	223137.26	325219.93
17-11	918+37.44	29.52' L	1660.72	223153.28	325254.53
17-12	918+46.25	29.52' L	1660.54	223150.22	325246.27
17-13	918+54.25	29.53' L	1659.98	223147.44	325238.77
17-14	918+60.19	29.53' L	1659.86	223145.38	325233.20
17-15	918+58.07	35.75' L	1660.02	223140.28	325237.35
17-16	918+56.05	45.48' L	1660.24	223131.85	325242.62
17-17	918+51.38	44.54' L	1660.32	223134.36	325246.67

LEGEND

- C1 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 CONCRETE CURB AND GUTTER HES 30-INCH TYPE D
- C3 CONCRETE CURB PEDESTRIAN
- S1 CONCRETE SIDEWALK 5-INCH
- D1 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- D2 CONCRETE DRIVEWAY HES 6-INCH
- Y1 MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- XXXX XXXX SAWCUT
- FB ADJUSTING PULL BOXES
- SS ADJUSTING MANHOLE COVERS (STORM SEWER)
- S ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
- W ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
- ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)

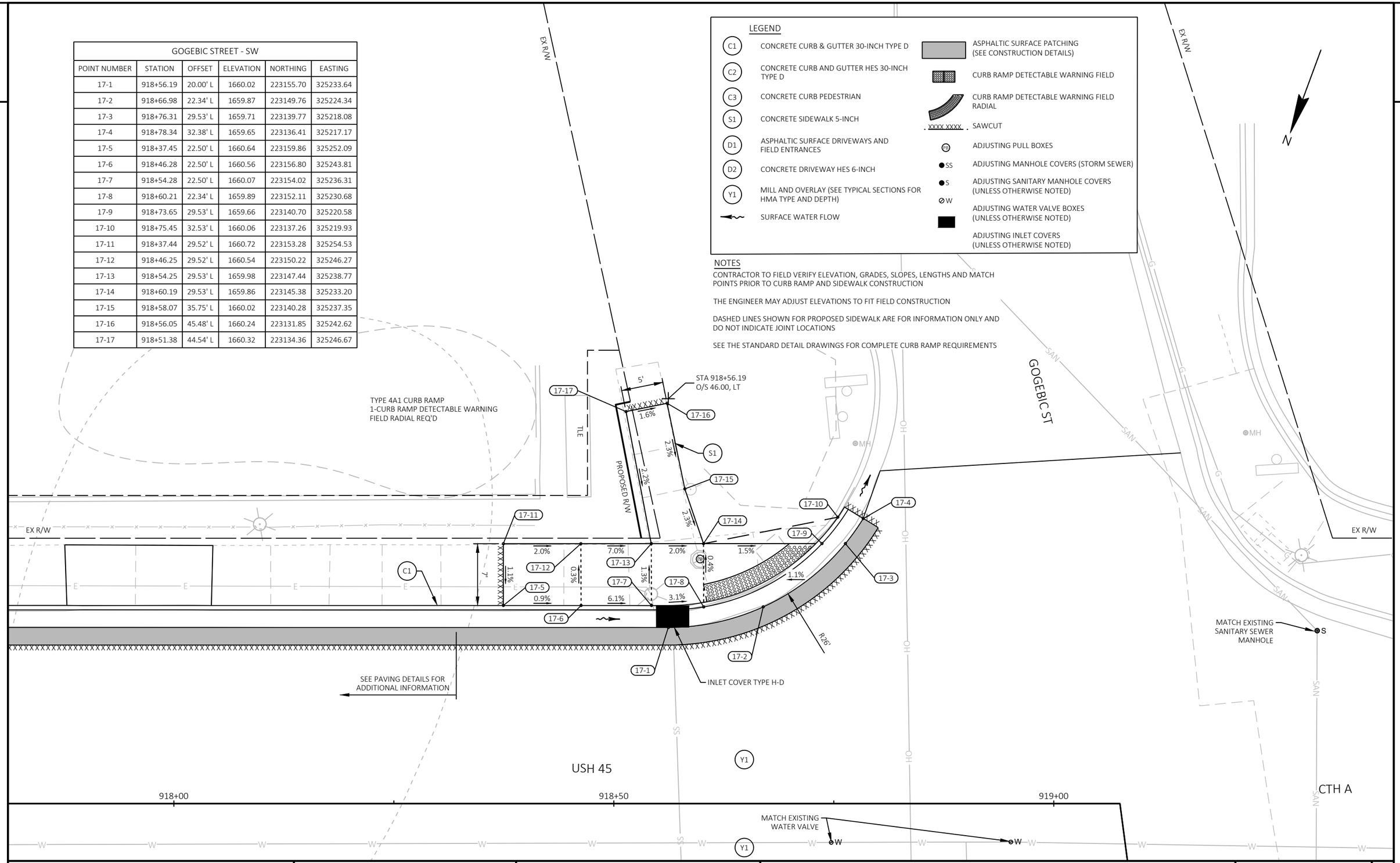
NOTES

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 CONSTRUCTION

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

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS



PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	CURB RAMP DETAILS	SHEET 38	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 17

PLOT DATE : 10/25/2021 7:30 PM PLOT BY : SCOTT KAISER PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

NOTES

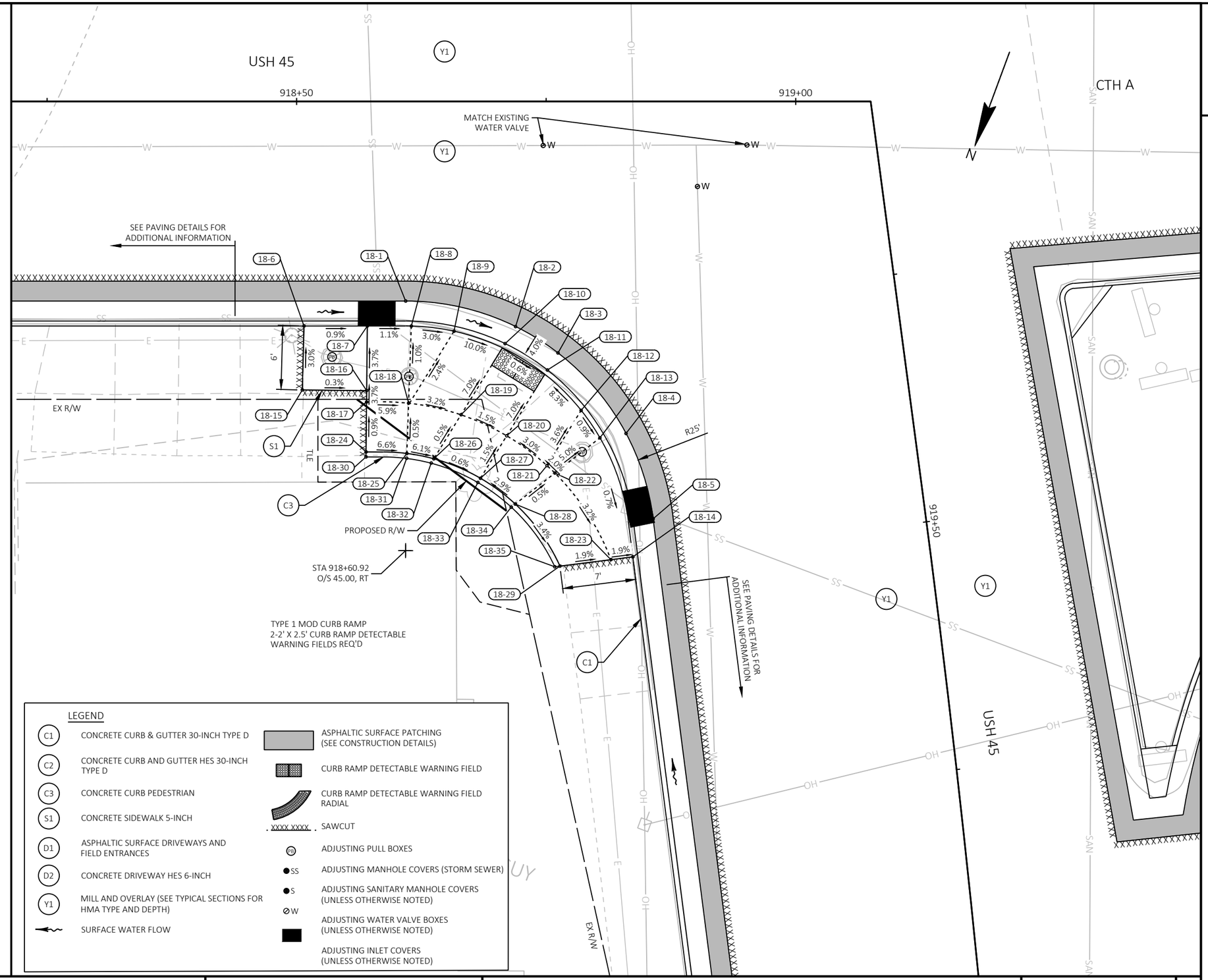
CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION

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

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

USH 45					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
18-1	918+60.92	20.00' R	1659.87	223191.57	325215.32
18-2	918+71.93	22.56' R	1659.67	223190.15	325204.10
18-3	918+76.18	25.20' R	1659.64	223191.15	325199.20
18-4	919+37.27	28.68' R	1659.56	223196.35	325190.01
18-5	919+46.10	27.11' R	1659.39	223203.42	325184.49
18-6	918+50.74	22.50' R	1660.38	223197.45	325224.00
18-7	918+57.08	22.50' R	1660.32	223195.25	325218.05
18-8	918+61.49	22.51' R	1660.27	223193.73	325213.92
18-9	918+65.76	23.03' R	1660.14	223192.73	325209.73
18-10	918+70.88	24.27' R	1659.59	223192.12	325204.50
18-11	918+75.12	26.91' R	1659.61	223193.12	325199.60
18-12	918+78.50	30.96' R	1660.02	223195.74	325195.03
18-13	919+37.36	31.33' R	1659.99	223197.67	325192.31
18-14	919+49.68	29.62' R	1659.90	223207.71	325185.07
18-15	918+50.57	28.91' R	1660.58	223203.52	325221.94
18-16	918+57.01	28.98' R	1660.56	223201.35	325215.87
18-17	918+57.01	30.11' R	1660.60	223202.41	325215.48
18-18	918+61.22	30.23' R	1660.35	223201.06	325211.49
18-19	918+66.47	31.39' R	1660.18	223200.33	325206.16
18-20	918+71.05	33.50' R	1660.10	223200.71	325201.14
18-21	918+75.08	36.48' R	1660.25	223202.11	325196.32
18-22	919+40.26	36.26' R	1660.28	223202.54	325195.32
18-23	919+49.67	31.83' R	1659.94	223208.73	325187.03
18-24	918+56.96	35.12' R	1660.64	223207.12	325213.79
18-25	918+61.04	35.27' R	1660.37	223205.85	325209.91
18-26	918+63.74	35.80' R	1660.21	223205.41	325207.19
18-27	918+68.41	37.76' R	1660.18	223205.62	325202.13
18-28	918+71.90	40.34' R	1660.30	223206.83	325197.97
18-29	919+49.65	36.98' R	1660.04	223211.11	325191.61
18-30	918+56.95	35.62' R	1660.64	223207.59	325213.62
18-31	918+61.03	35.75' R	1660.48	223206.30	325209.76
18-32	918+63.48	36.23' R	1660.40	223205.91	325207.29
18-33	918+68.15	38.18' R	1660.35	223206.11	325202.23
18-34	918+71.49	40.65' R	1660.35	223207.27	325198.24
18-35	919+49.64	37.51' R	1660.04	223211.35	325192.07



LEGEND

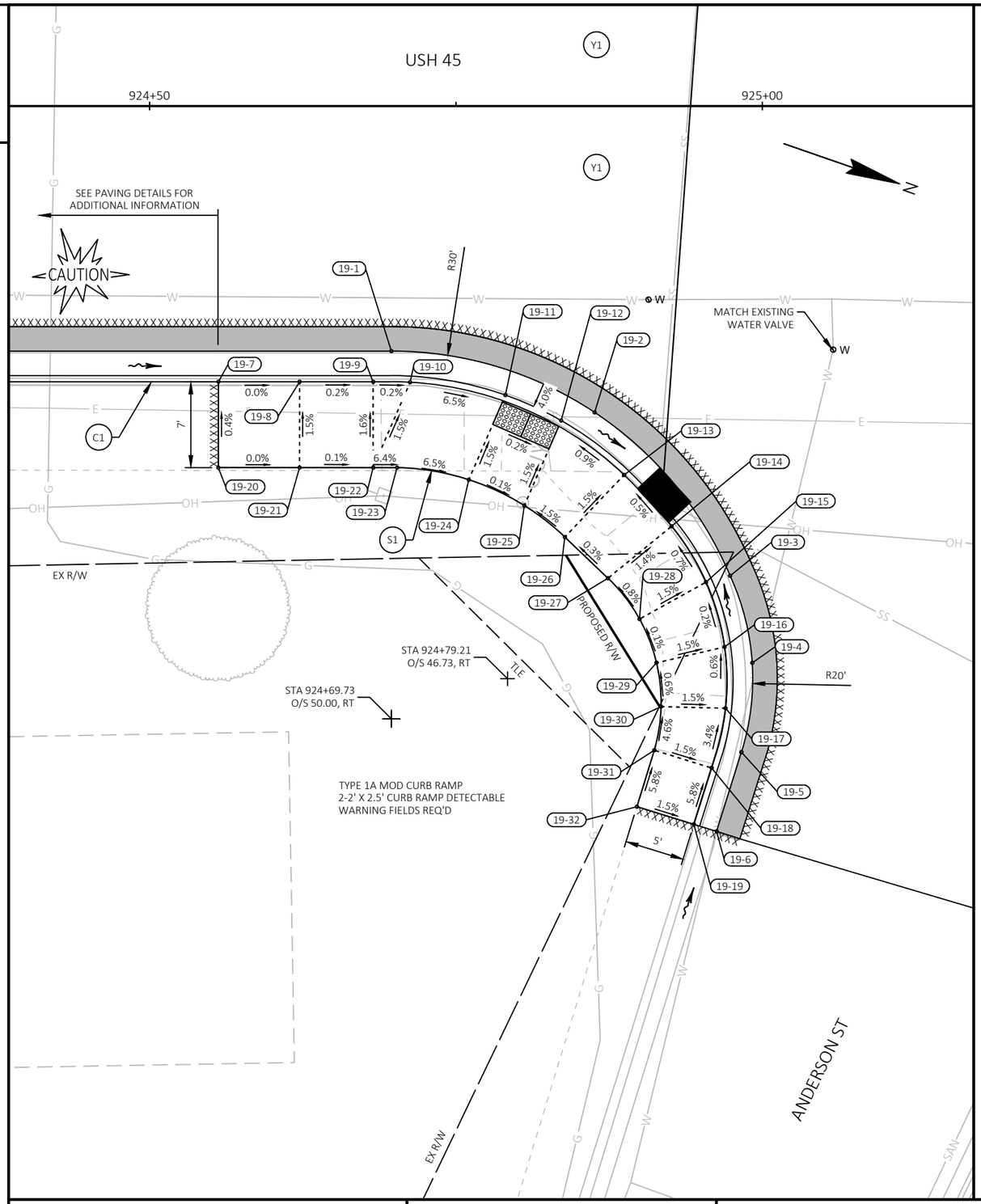
- C1 — CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 — CONCRETE CURB AND GUTTER HES 30-INCH TYPE D
- C3 — CONCRETE CURB PEDESTRIAN
- S1 — CONCRETE SIDEWALK 5-INCH
- D1 — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- D2 — CONCRETE DRIVEWAY HES 6-INCH
- Y1 — MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- SURFACE WATER FLOW
- ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- XXXX XXXX — SAWCUT
- PB — ADJUSTING PULL BOXES
- SS — ADJUSTING MANHOLE COVERS (STORM SEWER)
- S — ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
- W — ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
- ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	CURB RAMP DETAILS	SHEET 39	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 18

PLOT DATE : 10/25/2021 7:30 PM PLOT BY : SCOTT KAISER PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



LEGEND

C1	CONCRETE CURB & GUTTER 30-INCH TYPE D		ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
C2	CONCRETE CURB AND GUTTER HES 30-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD
C3	CONCRETE CURB PEDESTRIAN		CURB RAMP DETECTABLE WARNING FIELD RADIAL
S1	CONCRETE SIDEWALK 5-INCH	XXXX XXXX	SAWCUT
D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	PB	ADJUSTING PULL BOXES
D2	CONCRETE DRIVEWAY HES 6-INCH	SS	ADJUSTING MANHOLE COVERS (STORM SEWER)
Y1	MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)	S	ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
	SURFACE WATER FLOW	W	ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
			ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)

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 CONSTRUCTION

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

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

ANDERSON STREET - SE

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
19-1	924+69.73	20.00' R	1658.87	223685.52	324991.74
19-2	924+86.31	25.00' R	1658.84	223702.82	324991.02
19-3	924+97.37	38.33' R	1658.88	223717.64	324999.99
19-4	924+99.17	45.44' R	1658.91	223721.68	325006.11
19-5	924+98.29	52.72' R	1658.94	223723.24	325013.28
19-6	924+96.26	59.19' R	1658.97	223723.44	325020.05
19-7	924+55.62	22.50' R	1659.30	223673.01	324998.73
19-8	924+62.24	22.50' R	1659.30	223679.27	324996.56
19-9	924+68.24	22.50' R	1659.29	223684.93	324994.59
19-10	924+71.26	22.54' R	1659.28	223687.79	324993.64
19-11	924+79.04	23.59' R	1658.77	223695.49	324992.08
19-12	924+83.58	25.67' R	1658.76	223700.47	324992.55
19-13	924+88.71	30.11' R	1658.84	223706.77	324995.06
19-14	924+92.59	34.29' R	1658.85	223711.80	324997.73
19-15	924+95.40	38.85' R	1658.90	223715.95	325001.12
19-16	924+96.91	44.14' R	1658.91	223719.12	325005.62
19-17	924+96.99	49.14' R	1658.94	223720.83	325010.32
19-18	924+95.86	54.01' R	1659.11	223721.36	325015.29
19-19	924+94.41	58.61' R	1659.38	223721.50	325020.12
19-20	924+55.61	29.51' R	1659.45	223675.30	325005.35

ANDERSON STREET - SE

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
19-21	924+62.24	29.51' R	1659.41	223681.56	325003.18
19-22	924+68.24	29.51' R	1659.40	223687.23	325001.21
19-23	924+70.19	29.51' R	1659.27	223689.07	325000.56
19-24	924+76.04	30.50' R	1658.89	223694.93	324999.58
19-25	924+80.58	32.61' R	1658.88	223699.90	325000.09
19-26	924+83.88	35.17' R	1658.94	223703.86	325001.43
19-27	924+87.40	38.53' R	1658.96	223708.29	325003.45
19-28	924+89.98	41.86' R	1658.99	223711.82	325005.75
19-29	924+91.36	45.43' R	1658.99	223714.30	325008.67
19-30	924+91.73	49.01' R	1659.02	223715.82	325011.92
19-31	924+91.18	52.57' R	1659.18	223716.47	325015.47
19-32	924+89.76	57.17' R	1659.46	223716.64	325020.28

LEGEND

C1	CONCRETE CURB & GUTTER 30-INCH TYPE D		ASPHALTIC SURFACE PATCHING (SEE CONSTRUCTION DETAILS)
C2	CONCRETE CURB AND GUTTER HES 30-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD
C3	CONCRETE CURB PEDESTRIAN		CURB RAMP DETECTABLE WARNING FIELD RADIAL
S1	CONCRETE SIDEWALK 5-INCH	XXXX XXXX	SAWCUT
D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	PB	ADJUSTING PULL BOXES
D2	CONCRETE DRIVEWAY HES 6-INCH	SS	ADJUSTING MANHOLE COVERS (STORM SEWER)
Y1	MILL AND OVERLAY (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)	S	ADJUSTING SANITARY MANHOLE COVERS (UNLESS OTHERWISE NOTED)
	SURFACE WATER FLOW	W	ADJUSTING WATER VALVE BOXES (UNLESS OTHERWISE NOTED)
			ADJUSTING INLET COVERS (UNLESS OTHERWISE NOTED)

NOTES

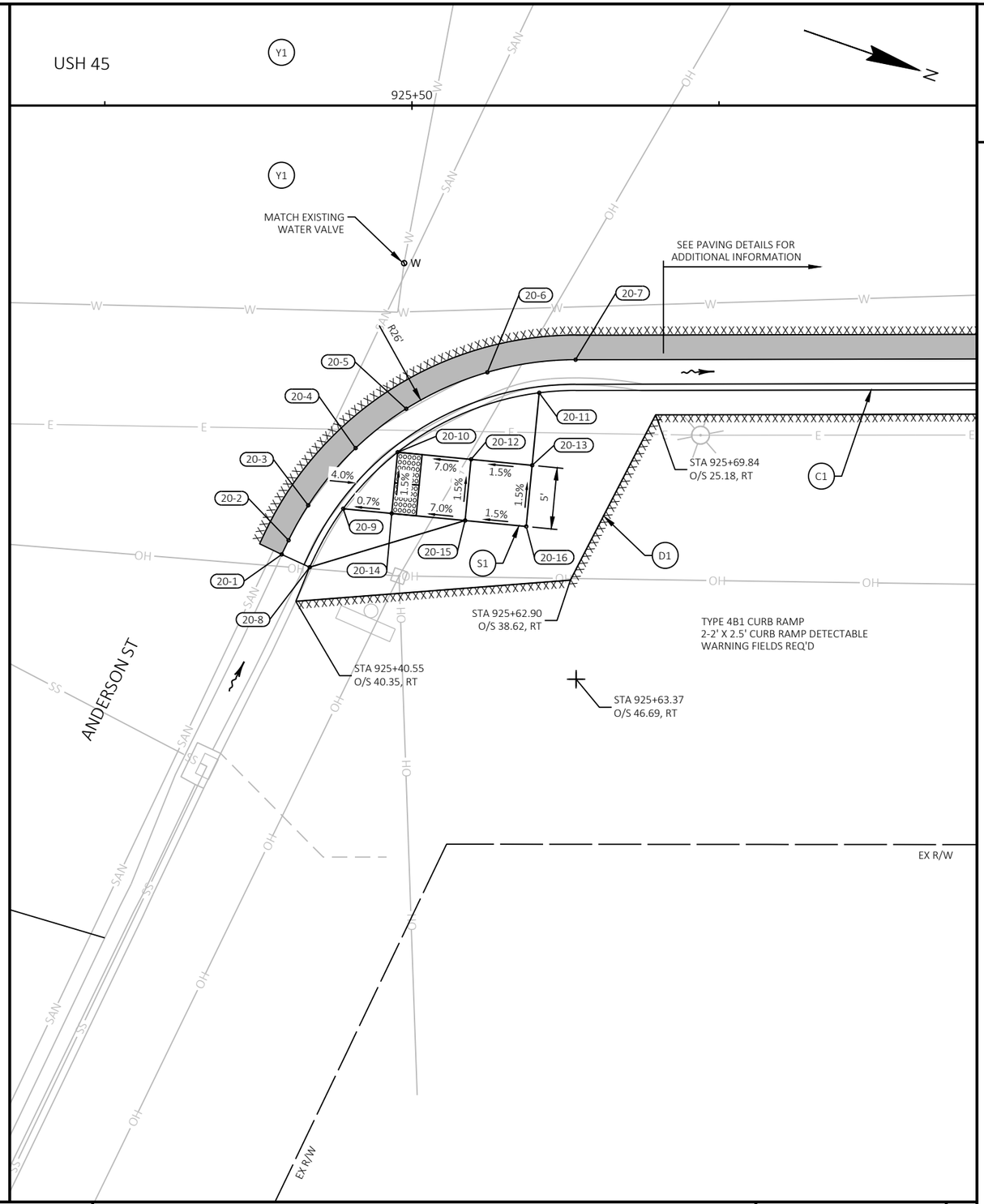
CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION

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

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

ANDERSON STREET - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
20-1	925+39.40	36.53' R	1658.87	223756.75	324984.50
20-2	925+39.96	35.38' R	1658.86	223756.90	324983.22
20-3	925+41.56	32.54' R	1658.83	223757.48	324980.02
20-4	925+45.41	27.89' R	1658.79	223759.60	324974.36
20-5	925+49.52	24.68' R	1658.74	223762.43	324969.98
20-6	925+56.14	21.71' R	1658.69	223767.71	324965.01
20-7	925+63.31	20.69' R	1658.55	223774.15	324961.69
20-8	925+41.67	37.57' R	1659.29	223759.24	324984.73
20-9	925+44.40	32.81' R	1658.75	223760.26	324979.34
20-10	925+48.84	28.22' R	1658.70	223762.94	324973.55
20-11	925+60.36	23.38' R	1659.08	223772.24	324965.20
20-12	925+54.81	28.80' R	1659.12	223768.77	324972.13
20-13	925+59.79	29.28' R	1659.20	223773.63	324970.96
20-14	925+48.35	33.20' R	1658.78	223764.12	324978.41
20-15	925+54.33	33.77' R	1659.20	223769.95	324976.99
20-16	925+59.30	34.26' R	1659.27	223774.81	324975.82



PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	CURB RAMP DETAILS	SHEET 41	E

LEGEND

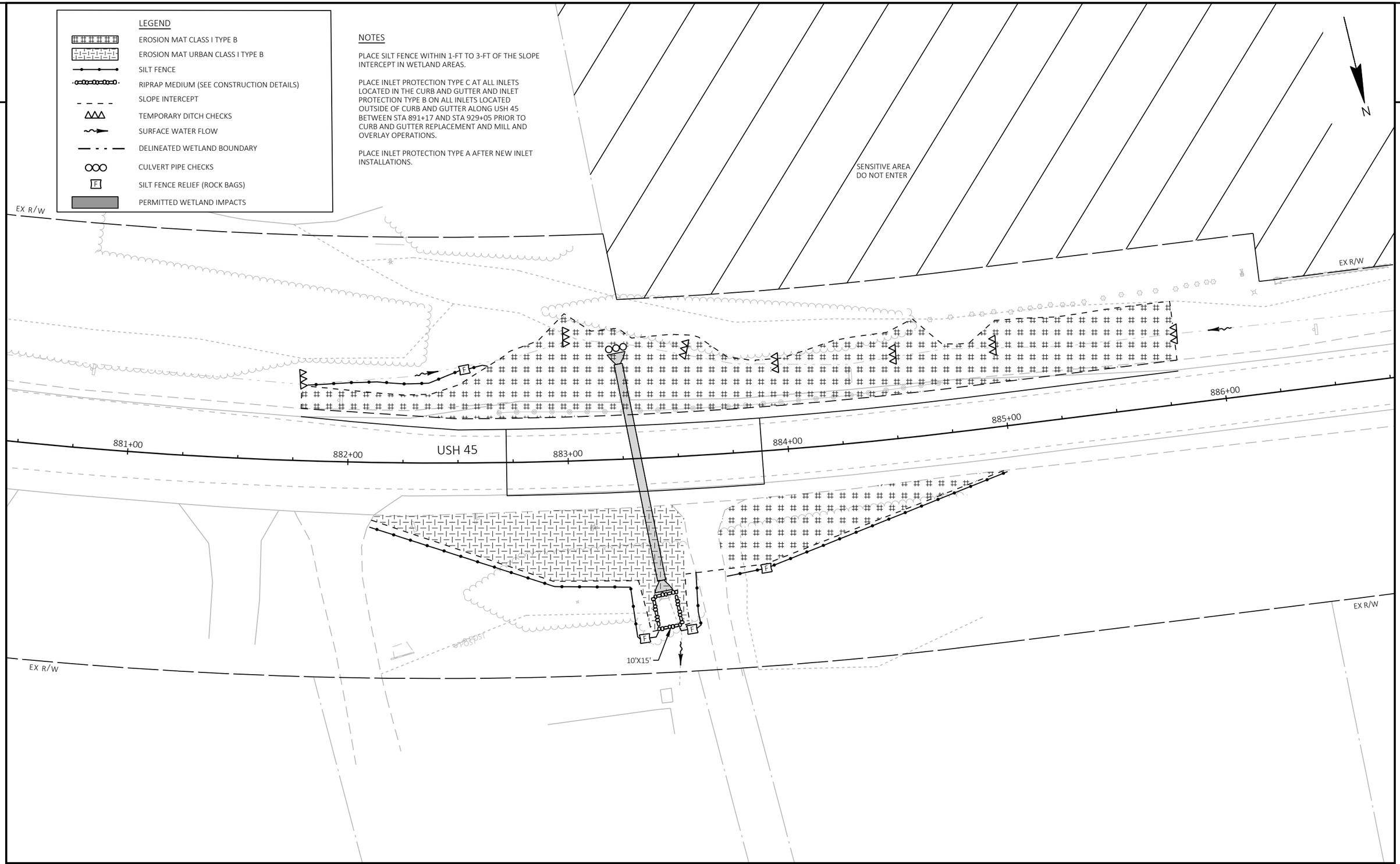
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM (SEE CONSTRUCTION DETAILS)
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF (ROCK BAGS)
- PERMITTED WETLAND IMPACTS

NOTES

PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

PLACE INLET PROTECTION TYPE C AT ALL INLETS LOCATED IN THE CURB AND GUTTER AND INLET PROTECTION TYPE B ON ALL INLETS LOCATED OUTSIDE OF CURB AND GUTTER ALONG USH 45 BETWEEN STA 891+17 AND STA 929+05 PRIOR TO CURB AND GUTTER REPLACEMENT AND MILL AND OVERLAY OPERATIONS.

PLACE INLET PROTECTION TYPE A AFTER NEW INLET INSTALLATIONS.



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LEGEND

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

NOTES

PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

TEMPORARY DIVERSION OF TOWNLINE CREEK INCLUDING ANY SANDBAGS OR OTHER DIVERSION METHODS THROUGH THE EXISTING OR PROPOSED CULVERT IS INCIDENTAL TO THE CULVERT WORK.

N

TOWNLINE CREEK

TLE

TLE

22'X15'

EX R/W

EX R/W

960+00

961+00

962+00

USH 45

963+00

964+00

965+00

22'X15'

EX R/W

EX R/W

2

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	EROSION CONTROL	SHEET 43	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 02

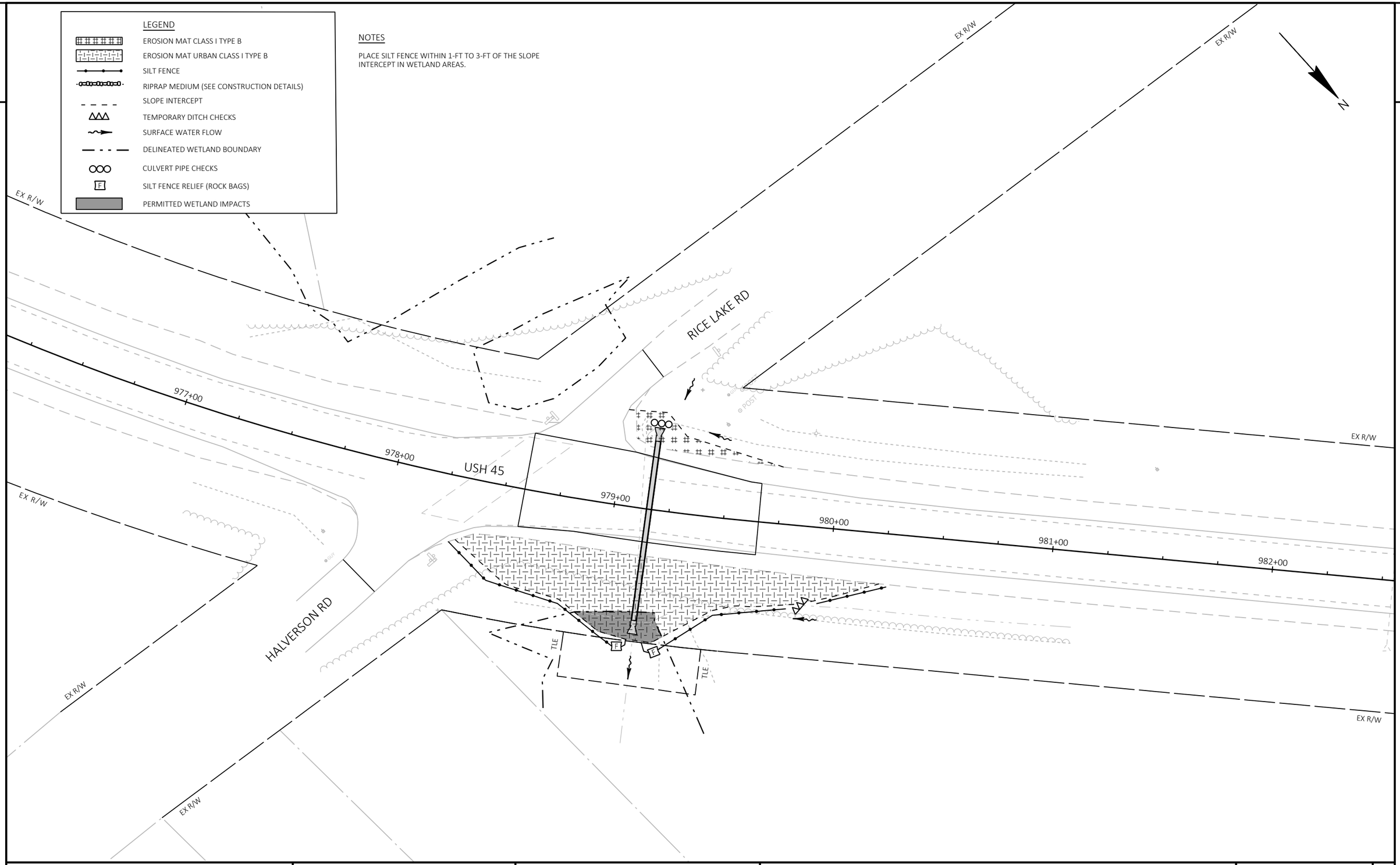
PLOT DATE : 8/26/2021 8:18 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

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

NOTES

PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.



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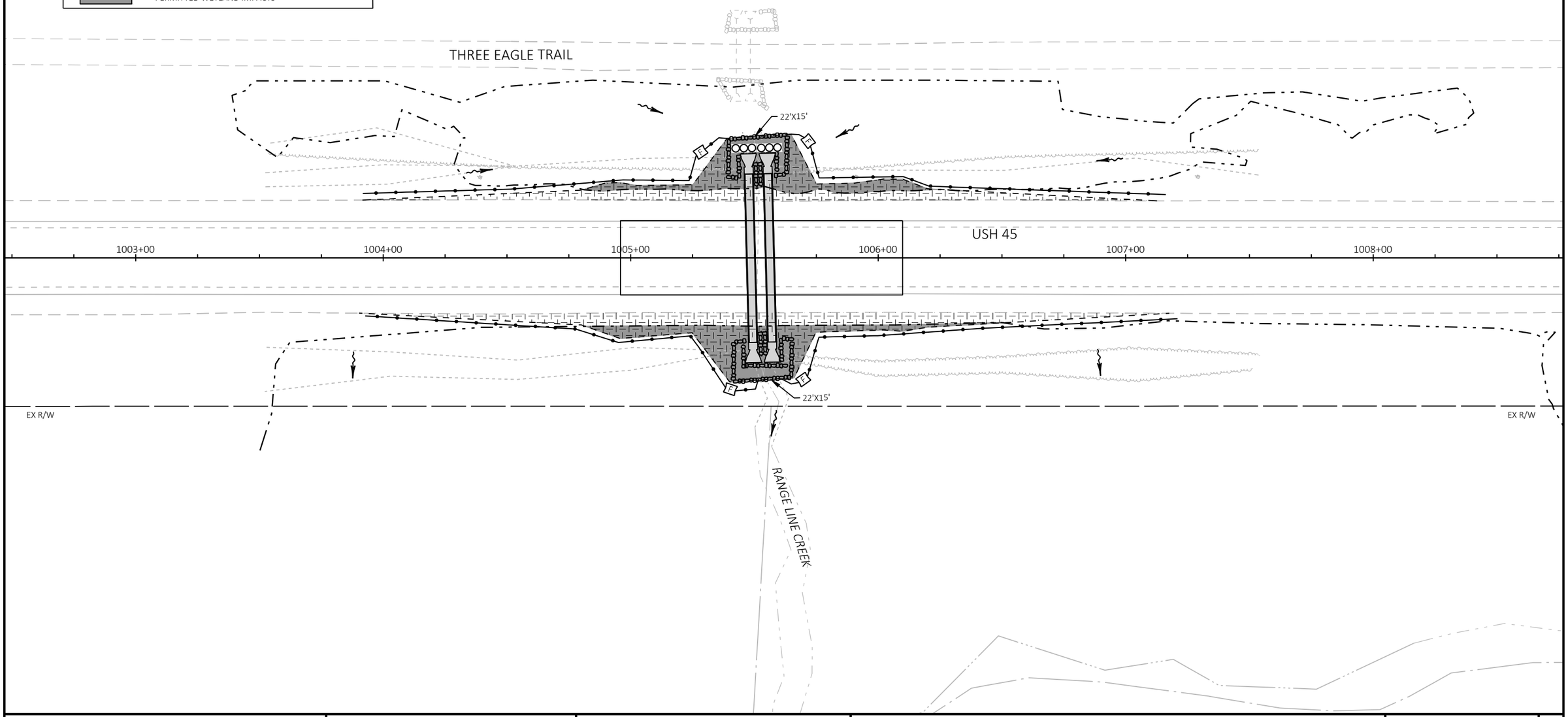
LEGEND

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

NOTES

PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

TEMPORARY DIVERSION OF RANGE LINE CREEK INCLUDING ANY SANDBAGS OR OTHER DIVERSION METHODS THROUGH THE EXISTING OR PROPOSED CULVERT IS INCIDENTAL TO THE CULVERT WORK.



PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	EROSION CONTROL	SHEET 45	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 04

PLOT DATE : 8/26/2021 8:18 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

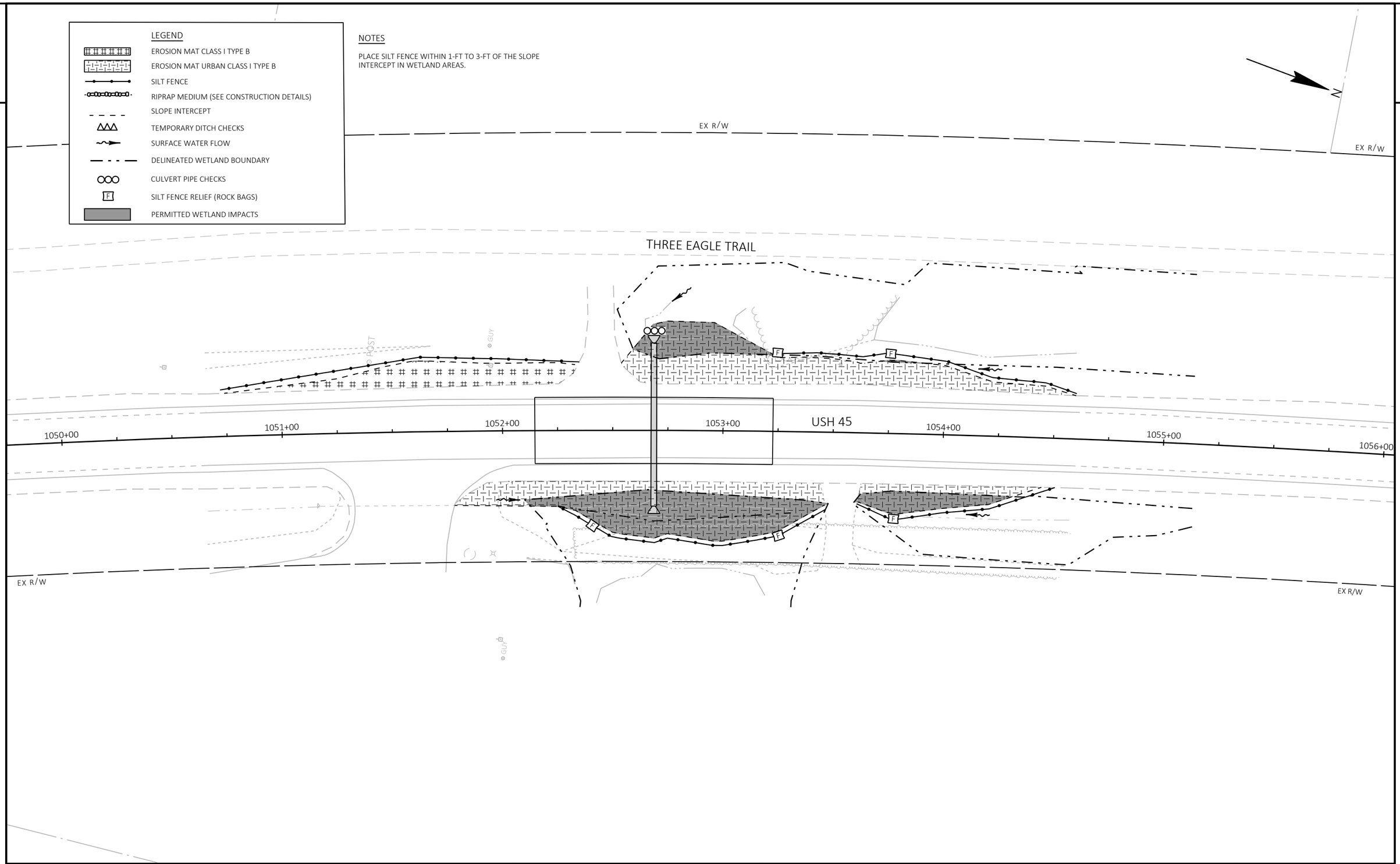
2

LEGEND

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

NOTES

PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

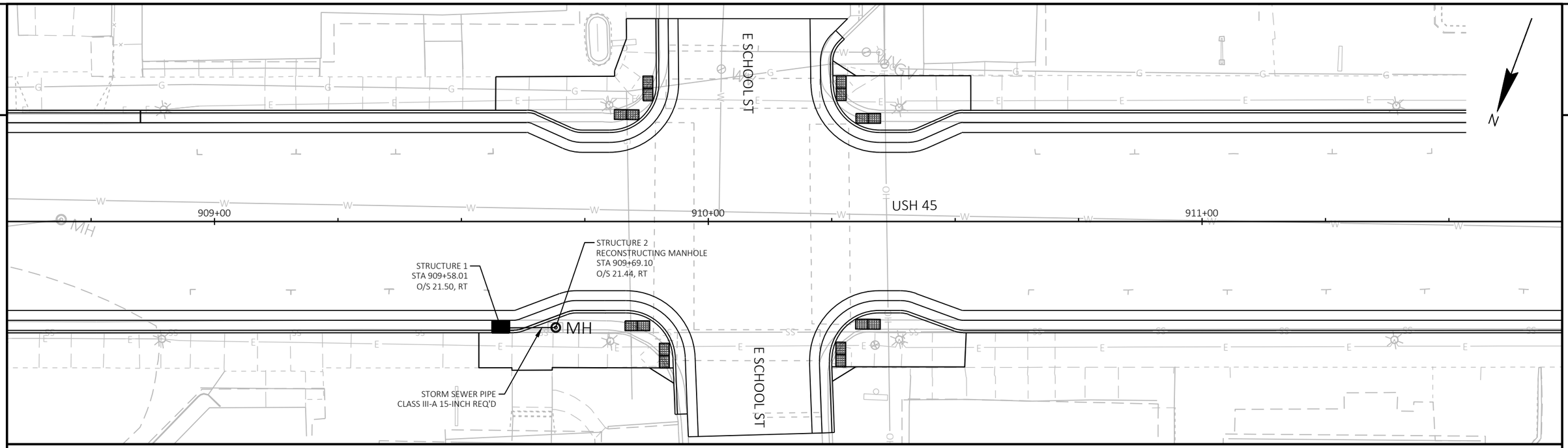


PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	EROSION CONTROL	SHEET 46	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 05

PLOT DATE : 8/26/2021 8:18 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

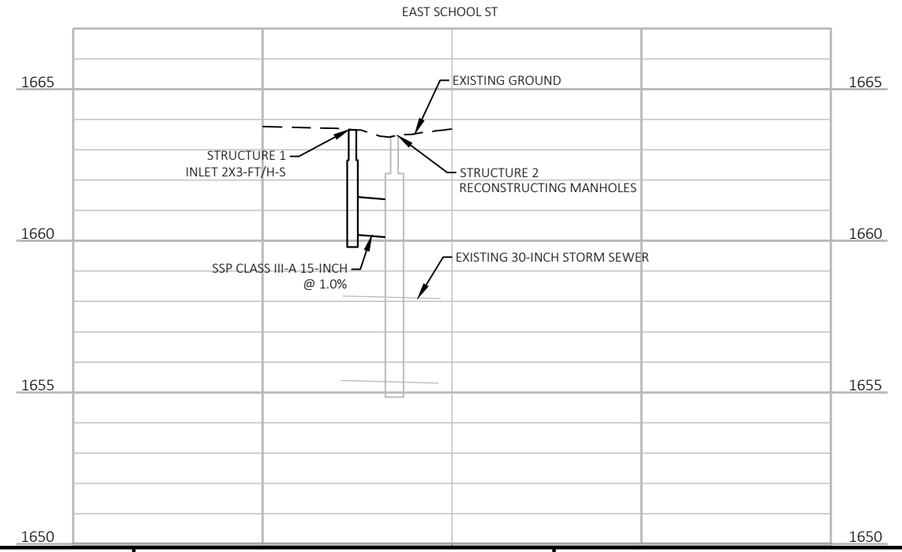
WISDOT/CADDS SHEET 44



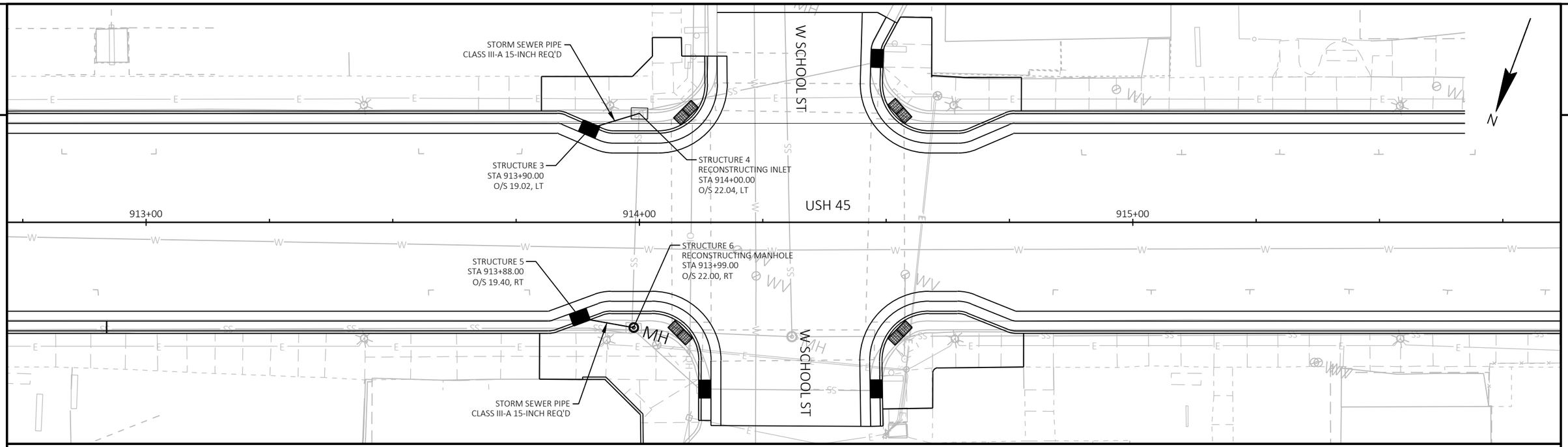
STORM SEWER SCHEDULE

STRUCT NO.	STATION	(1) OFFSET	C-C (FT)	TO STRUCTURE	INLET / MANHOLE TYPE / COVER	RIM/ GRATE ELEV.	(2) T.O.S. ELEV.	(3) DEPTH (FT)	DISCHARGE PIPE CLASS	SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	(4) LENGTH (FT)	(5) SLOPE (%)	REMARKS
1	909+58.00	21.50' RT	11.1	2	2X3-FT / H-S	1663.65	1662.65	3.00	SSP III-A	15	1659.65	1659.57	8.00	1.0	OVER EXISTING 30" STORM SEWER, APPROX. 1' BETWEEN PIPES
2	909+69.00	21.50' RT	--	--	EXISTING MH / J	1664.03	1662.78	--	--	--	--	--	--	--	(EXISTING 4' DIA MANHOLE)

(1) STRUCTURE OFFSET IS TO CENTER OF STRUCTURE.
(2) TOP OF STRUCTURE ELEVATION (T.O.S.) IS DETERMINED BY SUBTRACTING THE CASTING HEIGHT AND 6-INCHES FOR ADJUSTMENT, FROM THE RIM ELEVATION. A TYPE H-S INLET CASTING IS 6 INCHES IN HEIGHT AND A TYPE J MANHOLE COVER IS 9 INCHES IN HEIGHT.
(3) DEPTH OF STRUCTURE IS MEASURED BY SUBTRACTING INVERT ELEVATION FROM T.O.S.
(4) PIPE LENGTH IS MEASURED FROM INSIDE WALL OF STRUCTURE TO THE INSIDE WALL OF STRUCTURE, USED FOR SLOPE CALCULATION ONLY.
(5) PIPE SLOPE IS CALCULATED USING ((INLET ELEVATION - DISCHARGE ELEVATION) / PIPE LENGTH) * 100.



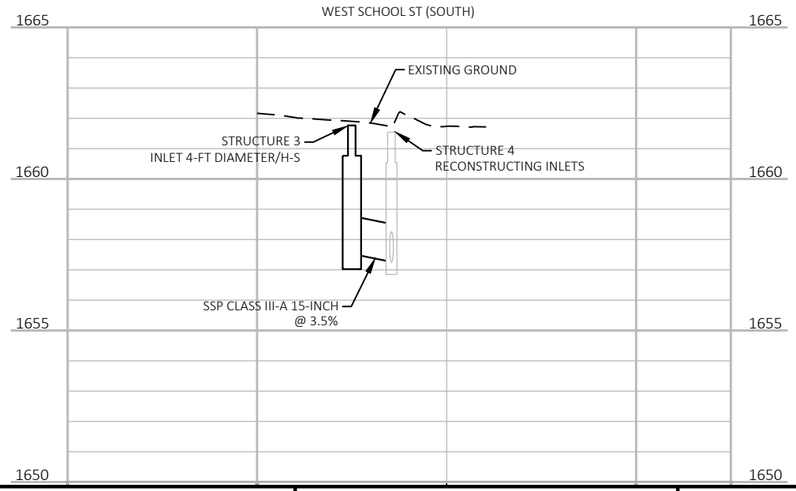
PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	STORM SEWER	SHEET 47	E

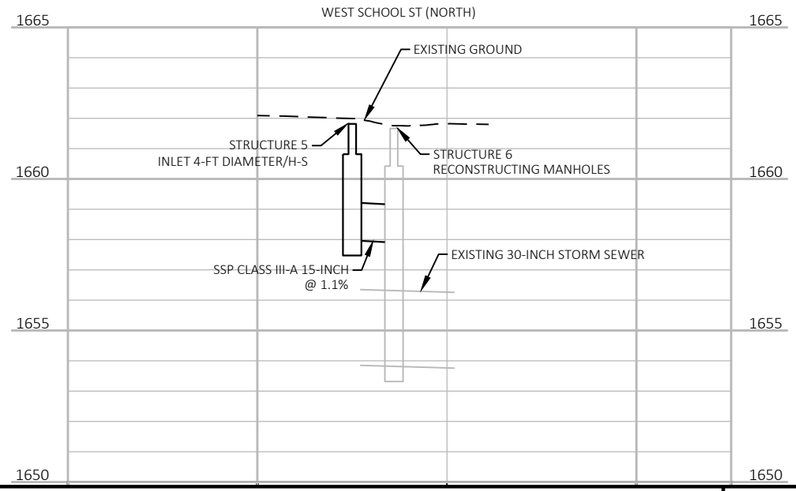


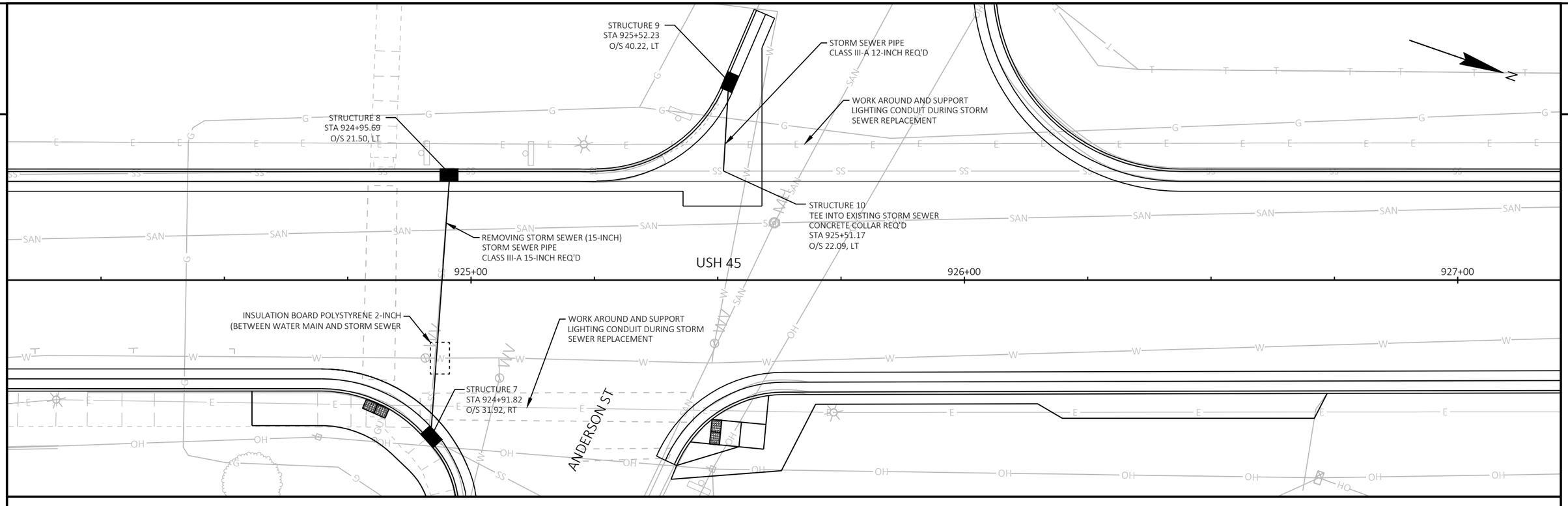
STORM SEWER SCHEDULE

STRUCT NO.	STATION	(1) OFFSET	C-C (FT)	TO STRUCTURE	INLET / MANHOLE TYPE / COVER	RIM/ GRATE ELEV.	(2) T.O.S. ELEV.	(3) DEPTH (FT)	DISCHARGE PIPE CLASS	SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	(4) LENGTH (FT)	(5) SLOPE (%)	REMARKS
3	913+90.00	19.02' LT	10.4	4	4-FT DIAMETER / H-S	1661.93	1660.93	3.40	SSP III-A	15	1657.53	1657.27	7.40	3.5	--
4	914+00.00	22.04' LT	--	--	EXISTING INLET / SOLID LID	1662.22	MATCH EXISTING	--	--	--	--	--	--	--	(EXISTING 2' X' 3' INLET) MORE THAT 6 INCHES OF ADJUTING RINGS MAY BE REQ'D
5	913+88.00	19.40' RT	11.0	6	4-FT DIAMETER / H-S	1661.98	1660.98	3.00	SSP III-A	15	1657.98	1657.90	7.50	1.1	OVER EXISTING 30" STORM SEWER, APPROX. 1' BETWEEN PIPES
6	913+99.00	22.00' RT	--	--	EXISTING MH / J	1662.34	1661.09	--	--	--	--	--	--	--	(EXISTING 4' DIA MANHOLE)

(1) STRUCTURE OFFSET IS TO CENTER OF STRUCTURE.
(2) TOP OF STRUCTURE ELEVATION (T.O.S.) IS DETERMINED BY SUBTRACTING THE CASTING HEIGHT AND 6-INCHES FOR ADJUSTMENT, FROM THE RIM ELEVATION. A TYPE H-S INLET CASTING IS 6 INCHES IN HEIGHT, A TYPE J CASTING IS 9 INCHES IN HEIGHT AND A SOLID LID CASTING IS 6.25 INCHES IN HEIGHT.
(3) DEPTH OF STRUCTURE IS MEASURED BY SUBTRACTING INVERT ELEVATION FROM T.O.S.
(4) PIPE LENGTH IS MEASURED FROM INSIDE WALL OF STRUCTURE TO THE INSIDE WALL OF STRUCTURE, USED FOR SLOPE CALCULATION ONLY.
(5) PIPE SLOPE IS CALCULATED USING ((INLET ELEVATION - DISCHARGE ELEVATION) / PIPE LENGTH) * 100.



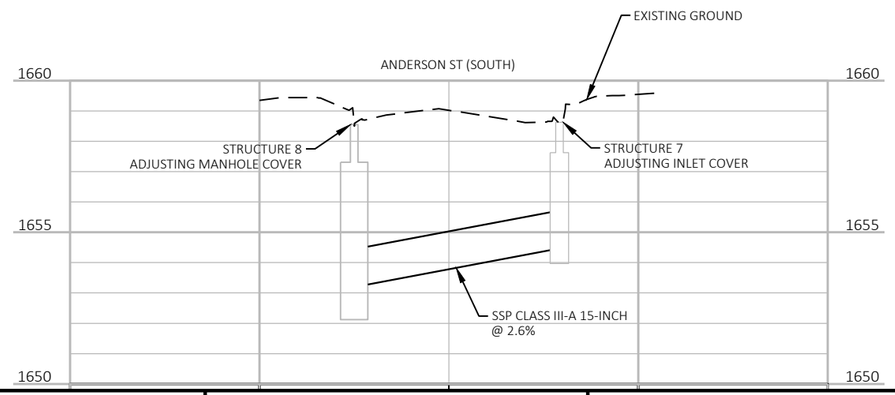


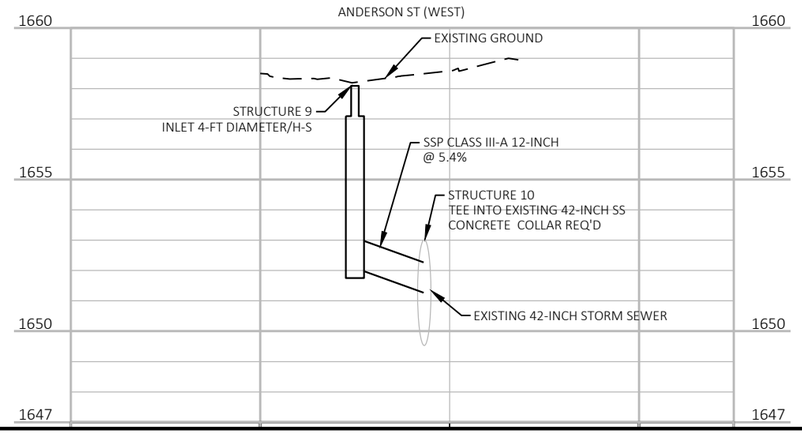


STORM SEWER SCHEDULE

STRUCT NO.	STATION	(1) OFFSET	C-C (FT)	TO STRUCTURE	INLET TYPE / COVER	RIM/ GRATE ELEV.	(2) T.O.S. ELEV.	(3) DEPTH (FT)	DISCHARGE PIPE CLASS	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	(4) LENGTH (FT)	(5) SLOPE (%)	REMARKS
7	924+91.82	31.92' RT	53.5	8	EXISTING	1658.67	--	--	SSP III-A	15	1654.47	1653.19	49.25	2.6	ADJUST INLET COVER
8	924+95.69	21.50' LT	--	--	EXISTING	1658.39	--	--	--	--	--	--	--	--	ADJUST INLET COVER
9	925+52.23	40.22' LT	18.2	10	4-FT DIAMETER / H-S	1658.09	1657.09	5.00	SSP III-A	12	1652.09	1651.27	15.30	5.4	--
10	925+51.17	22.09' LT	--	--	--	--	--	--	--	--	--	--	--	--	TEE INTO EXISTING 42" STORM SEWER PIPE, CONCRETE COLLAR REQ'D

(1) STRUCTURE OFFSET IS TO CENTER OF STRUCTURE.
(2) TOP OF STRUCTURE ELEVATION (T.O.S.) IS DETERMINED BY SUBTRACTING THE CASTING HEIGHT AND 6-INCHES FOR ADJUSTMENT, FROM THE RIM ELEVATION. A TYPE H-S INLET CASTING IS 6 INCHES IN HEIGHT.
(3) DEPTH OF STRUCTURE IS MEASURED BY SUBTRACTING INVERT ELEVATION FROM T.O.S.
(4) PIPE LENGTH IS MEASURED FROM INSIDE WALL OF STRUCTURE TO THE INSIDE WALL OF STRUCTURE, USED FOR SLOPE CALCULATION ONLY.
(5) PIPE SLOPE IS CALCULATED USING ((INLET ELEVATION - DISCHARGE ELEVATION) / PIPE LENGTH) * 100.





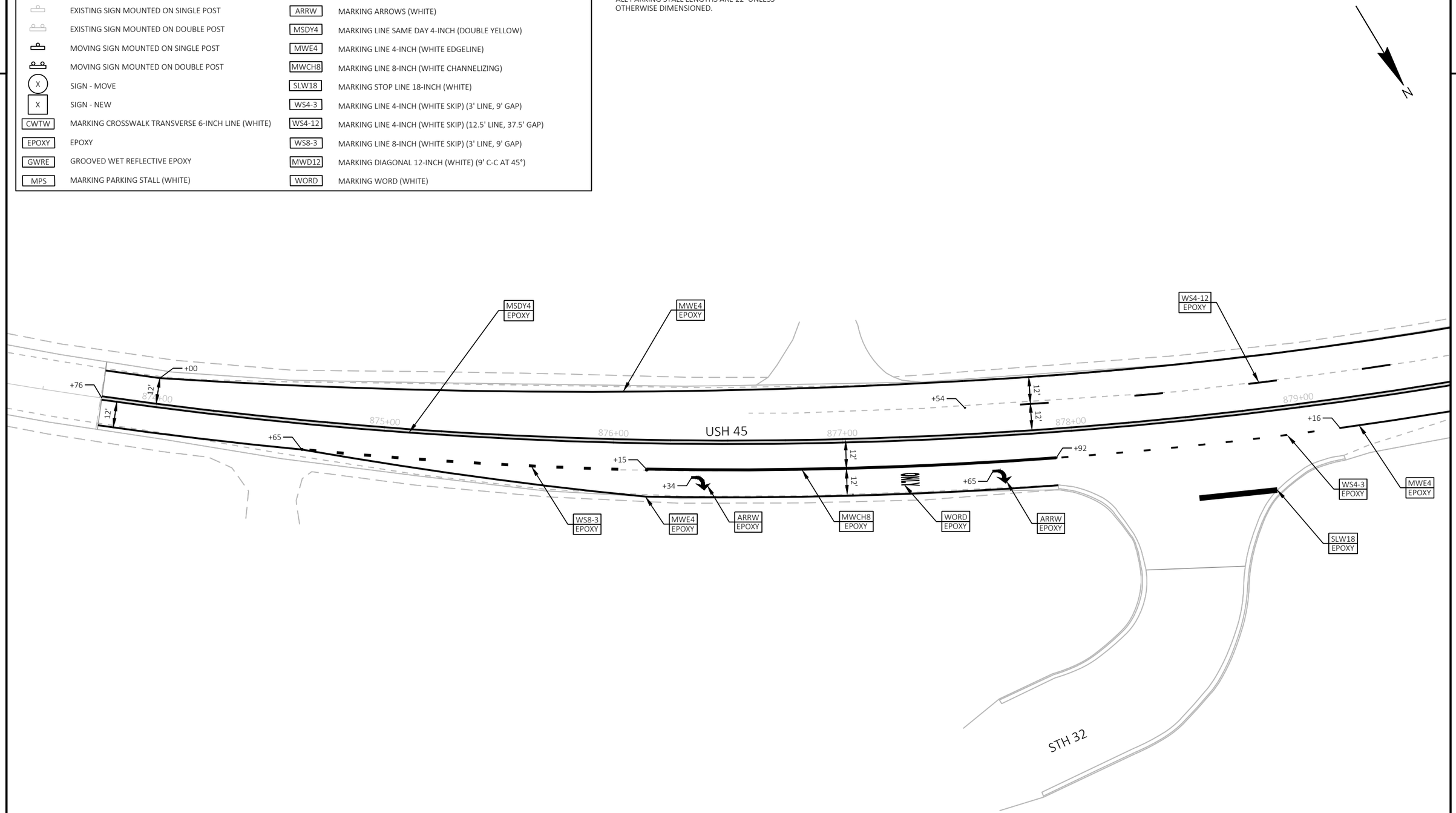
PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	STORM SEWER	SHEET 49	E

LEGEND

	EXISTING SIGN MOUNTED ON SINGLE POST	ARRW	MARKING ARROWS (WHITE)
	EXISTING SIGN MOUNTED ON DOUBLE POST	MSDY4	MARKING LINE SAME DAY 4-INCH (DOUBLE YELLOW)
	MOVING SIGN MOUNTED ON SINGLE POST	MWE4	MARKING LINE 4-INCH (WHITE EDGELINE)
	MOVING SIGN MOUNTED ON DOUBLE POST	MWCH8	MARKING LINE 8-INCH (WHITE CHANNELIZING)
X	SIGN - MOVE	SLW18	MARKING STOP LINE 18-INCH (WHITE)
X	SIGN - NEW	WS4-3	MARKING LINE 4-INCH (WHITE SKIP) (3' LINE, 9' GAP)
CWTW	MARKING CROSSWALK TRANSVERSE 6-INCH LINE (WHITE)	WS4-12	MARKING LINE 4-INCH (WHITE SKIP) (12.5' LINE, 37.5' GAP)
EPOXY	EPOXY	WS8-3	MARKING LINE 8-INCH (WHITE SKIP) (3' LINE, 9' GAP)
GWRE	GROOVED WET REFLECTIVE EPOXY	MWD12	MARKING DIAGONAL 12-INCH (WHITE) (9' C-C AT 45°)
MPS	MARKING PARKING STALL (WHITE)	WORD	MARKING WORD (WHITE)

NOTE

ALL PARKING STALL LENGTHS ARE 22' UNLESS OTHERWISE DIMENSIONED.



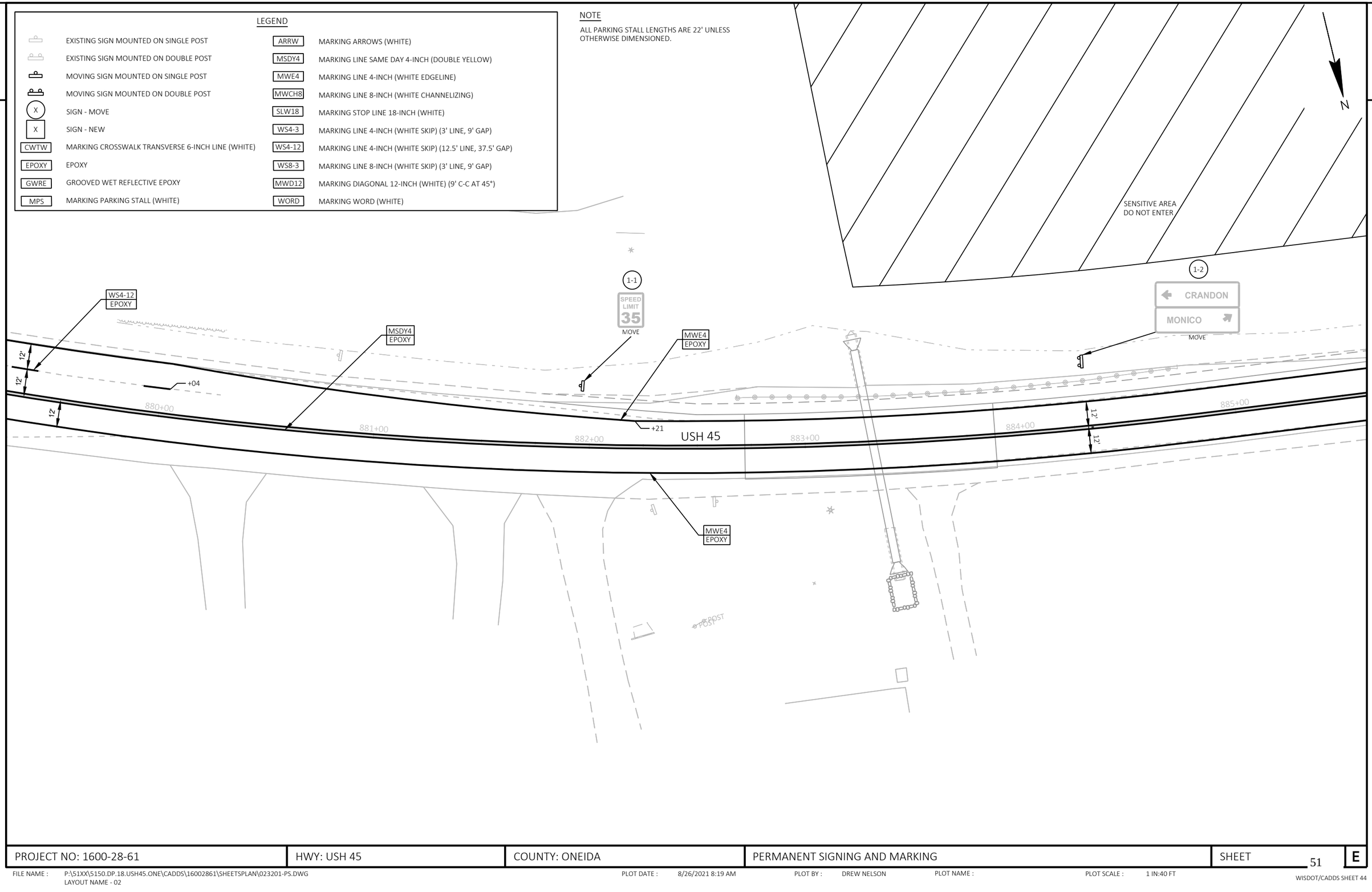
PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PERMANENT SIGNING AND MARKING	SHEET 50	E

LEGEND

	EXISTING SIGN MOUNTED ON SINGLE POST	ARRW	MARKING ARROWS (WHITE)
	EXISTING SIGN MOUNTED ON DOUBLE POST	MSDY4	MARKING LINE SAME DAY 4-INCH (DOUBLE YELLOW)
	MOVING SIGN MOUNTED ON SINGLE POST	MWE4	MARKING LINE 4-INCH (WHITE EDGELINE)
	MOVING SIGN MOUNTED ON DOUBLE POST	MWCH8	MARKING LINE 8-INCH (WHITE CHANNELIZING)
X	SIGN - MOVE	SLW18	MARKING STOP LINE 18-INCH (WHITE)
X	SIGN - NEW	WS4-3	MARKING LINE 4-INCH (WHITE SKIP) (3' LINE, 9' GAP)
CWTW	MARKING CROSSWALK TRANSVERSE 6-INCH LINE (WHITE)	WS4-12	MARKING LINE 4-INCH (WHITE SKIP) (12.5' LINE, 37.5' GAP)
EPOXY	EPOXY	WS8-3	MARKING LINE 8-INCH (WHITE SKIP) (3' LINE, 9' GAP)
GWRE	GROOVED WET REFLECTIVE EPOXY	MWD12	MARKING DIAGONAL 12-INCH (WHITE) (9' C-C AT 45°)
MPS	MARKING PARKING STALL (WHITE)	WORD	MARKING WORD (WHITE)

NOTE

ALL PARKING STALL LENGTHS ARE 22' UNLESS OTHERWISE DIMENSIONED.



2

LEGEND

	EXISTING SIGN MOUNTED ON SINGLE POST	ARRW	MARKING ARROWS (WHITE)
	EXISTING SIGN MOUNTED ON DOUBLE POST	MSDY4	MARKING LINE SAME DAY 4-INCH (DOUBLE YELLOW)
	MOVING SIGN MOUNTED ON SINGLE POST	MWE4	MARKING LINE 4-INCH (WHITE EDGELINE)
	MOVING SIGN MOUNTED ON DOUBLE POST	MWCH8	MARKING LINE 8-INCH (WHITE CHANNELIZING)
X	SIGN - MOVE	SLW18	MARKING STOP LINE 18-INCH (WHITE)
X	SIGN - NEW	WS4-3	MARKING LINE 4-INCH (WHITE SKIP) (3' LINE, 9' GAP)
CWTW	MARKING CROSSWALK TRANSVERSE 6-INCH LINE (WHITE)	WS4-12	MARKING LINE 4-INCH (WHITE SKIP) (12.5' LINE, 37.5' GAP)
EPOXY	EPOXY	WS8-3	MARKING LINE 8-INCH (WHITE SKIP) (3' LINE, 9' GAP)
GWRE	GROOVED WET REFLECTIVE EPOXY	MWD12	MARKING DIAGONAL 12-INCH (WHITE) (9' C-C AT 45°)
MPS	MARKING PARKING STALL (WHITE)	WORD	MARKING WORD (WHITE)

NOTE

ALL PARKING STALL LENGTHS ARE 22' UNLESS OTHERWISE DIMENSIONED.

SENSITIVE AREA
DO NOT ENTER

N

MSDY4
EPOXY

MWE4
EPOXY

GV

+18

+38

USH 45

886+00 887+00 888+00 889+00 890+00 891+00

12'

12'

+17

+24

MWE4
EPOXY

MH

WV

2

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PERMANENT SIGNING AND MARKING	SHEET 52	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 03

PLOT DATE : 8/26/2021 8:19 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

	EXISTING SIGN MOUNTED ON SINGLE POST	ARRW	MARKING ARROWS (WHITE)
	EXISTING SIGN MOUNTED ON DOUBLE POST	MSDY4	MARKING LINE SAME DAY 4-INCH (DOUBLE YELLOW)
	MOVING SIGN MOUNTED ON SINGLE POST	MWE4	MARKING LINE 4-INCH (WHITE EDGELINE)
	MOVING SIGN MOUNTED ON DOUBLE POST	MWCH8	MARKING LINE 8-INCH (WHITE CHANNELIZING)
X	SIGN - MOVE	SLW18	MARKING STOP LINE 18-INCH (WHITE)
X	SIGN - NEW	WS4-3	MARKING LINE 4-INCH (WHITE SKIP) (3' LINE, 9' GAP)
CWTW	MARKING CROSSWALK TRANSVERSE 6-INCH LINE (WHITE)	WS4-12	MARKING LINE 4-INCH (WHITE SKIP) (12.5' LINE, 37.5' GAP)
EPOXY	EPOXY	WS8-3	MARKING LINE 8-INCH (WHITE SKIP) (3' LINE, 9' GAP)
GWRE	GROOVED WET REFLECTIVE EPOXY	MWD12	MARKING DIAGONAL 12-INCH (WHITE) (9' C-C AT 45°)
MPS	MARKING PARKING STALL (WHITE)	WORD	MARKING WORD (WHITE)

NOTE

ALL PARKING STALL LENGTHS ARE 22' UNLESS OTHERWISE DIMENSIONED.

N

MOVE TO STA 896+45, LT

SIGN POST BOX OUT REQ'D, INCIDENTAL TO SIGN MOVING SMALL SIGN SUPPORT.

MOVE BY MUNICIPALITY

WINKLER RD

USH 45

EAST ST

LAKE DR

MWE4 EPOXY

MPS EPOXY

MSDY4 EPOXY

SLW18 EPOXY

CWTW EPOXY

891+00 892+00 893+00 894+00 895+00 896+00 897+00

+18 +88 +32 +86 +30 +78 +44 +24 +30 +66

+17 +24 +34 +40 +80 +45 +67 +19 +41

20' 20' 20'

4-1 4-2 4-3 STOP MOVE

2

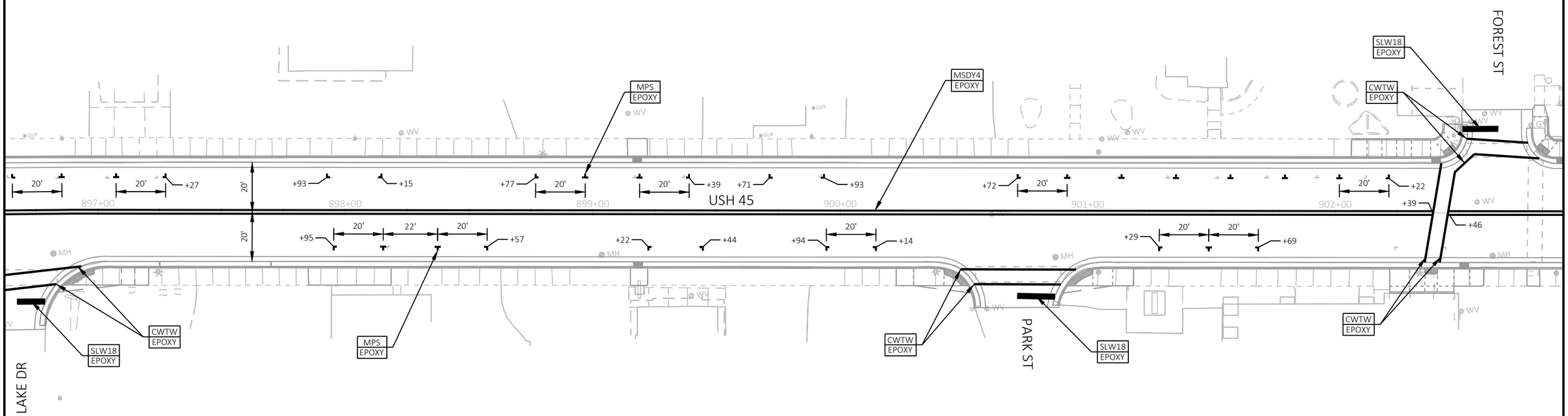
LEGEND

	EXISTING SIGN MOUNTED ON SINGLE POST	ARRW	MARKING ARROWS (WHITE)
	EXISTING SIGN MOUNTED ON DOUBLE POST	MSDY4	MARKING LINE SAME DAY 4-INCH (DOUBLE YELLOW)
	MOVING SIGN MOUNTED ON SINGLE POST	MWE4	MARKING LINE 4-INCH (WHITE EDGELINE)
	MOVING SIGN MOUNTED ON DOUBLE POST	MWCH8	MARKING LINE 8-INCH (WHITE CHANNELIZING)
X	SIGN - MOVE	SLW18	MARKING STOP LINE 18-INCH (WHITE)
X	SIGN - NEW	WS4-3	MARKING LINE 4-INCH (WHITE SKIP) (3' LINE, 9' GAP)
CWTW	MARKING CROSSWALK TRANSVERSE 6-INCH LINE (WHITE)	WS4-12	MARKING LINE 4-INCH (WHITE SKIP) (12.5' LINE, 37.5' GAP)
EPOXY	EPOXY	WS8-3	MARKING LINE 8-INCH (WHITE SKIP) (3' LINE, 9' GAP)
GWRE	GROOVED WET REFLECTIVE EPOXY	MWD12	MARKING DIAGONAL 12-INCH (WHITE) (9' C-C AT 45°)
MPS	MARKING PARKING STALL (WHITE)	WORD	MARKING WORD (WHITE)

NOTE

ALL PARKING STALL LENGTHS ARE 22' UNLESS OTHERWISE DIMENSIONED.

N



PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PERMANENT SIGNING AND MARKING	SHEET 54	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 05

PLOT DATE : 8/26/2021 8:20 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

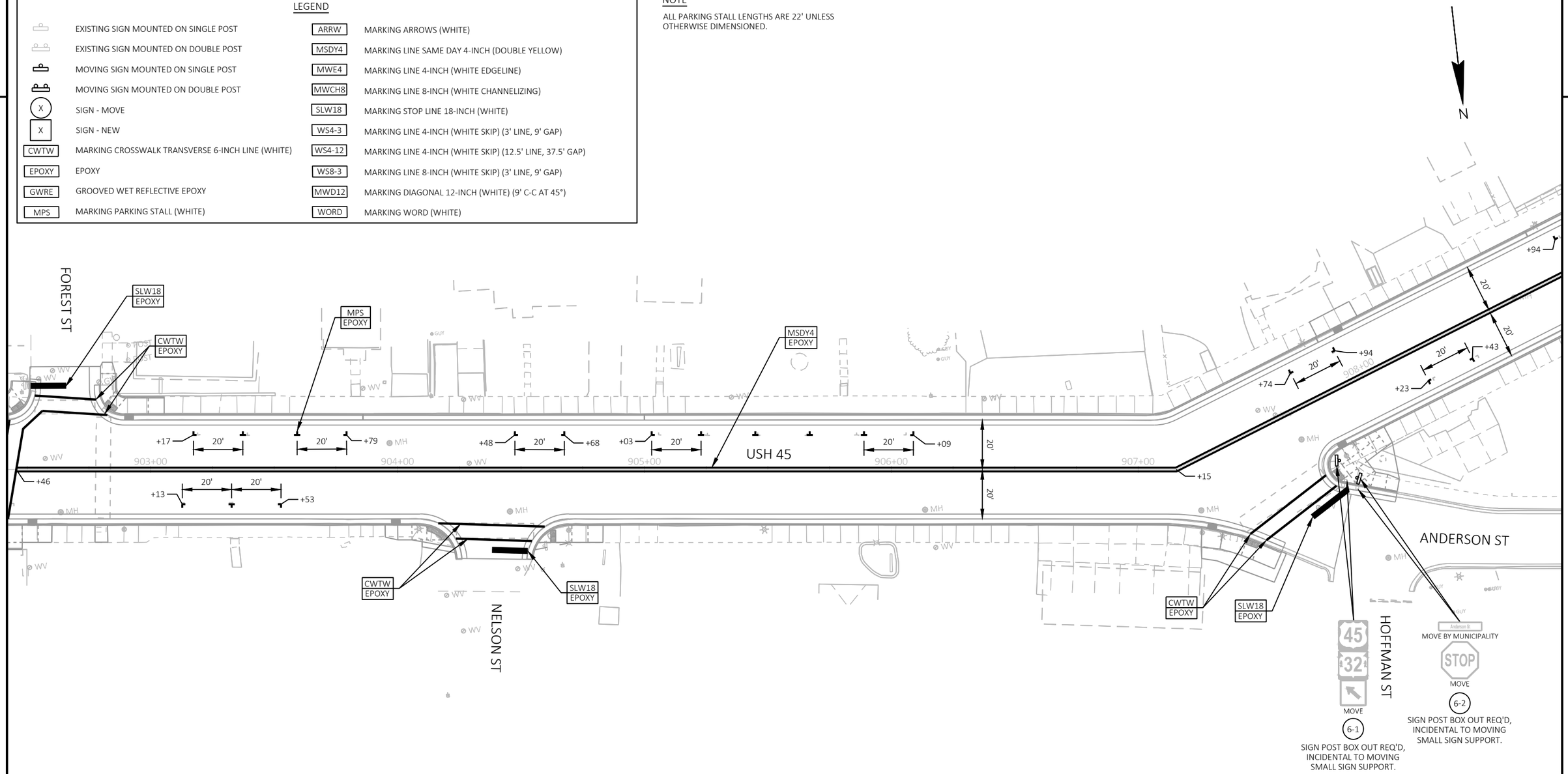
2

LEGEND

	EXISTING SIGN MOUNTED ON SINGLE POST	ARRW	MARKING ARROWS (WHITE)
	EXISTING SIGN MOUNTED ON DOUBLE POST	MSDY4	MARKING LINE SAME DAY 4-INCH (DOUBLE YELLOW)
	MOVING SIGN MOUNTED ON SINGLE POST	MWE4	MARKING LINE 4-INCH (WHITE EDGELINE)
	MOVING SIGN MOUNTED ON DOUBLE POST	MWCH8	MARKING LINE 8-INCH (WHITE CHANNELIZING)
X	SIGN - MOVE	SLW18	MARKING STOP LINE 18-INCH (WHITE)
X	SIGN - NEW	WS4-3	MARKING LINE 4-INCH (WHITE SKIP) (3' LINE, 9' GAP)
CWTW	MARKING CROSSWALK TRANSVERSE 6-INCH LINE (WHITE)	WS4-12	MARKING LINE 4-INCH (WHITE SKIP) (12.5' LINE, 37.5' GAP)
EPOXY	EPOXY	WS8-3	MARKING LINE 8-INCH (WHITE SKIP) (3' LINE, 9' GAP)
GWRE	GROOVED WET REFLECTIVE EPOXY	MWD12	MARKING DIAGONAL 12-INCH (WHITE) (9' C-C AT 45°)
MPS	MARKING PARKING STALL (WHITE)	WORD	MARKING WORD (WHITE)

NOTE

ALL PARKING STALL LENGTHS ARE 22' UNLESS OTHERWISE DIMENSIONED.



PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PERMANENT SIGNING AND MARKING	SHEET 55	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 06

PLOT DATE : 8/26/2021 8:20 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

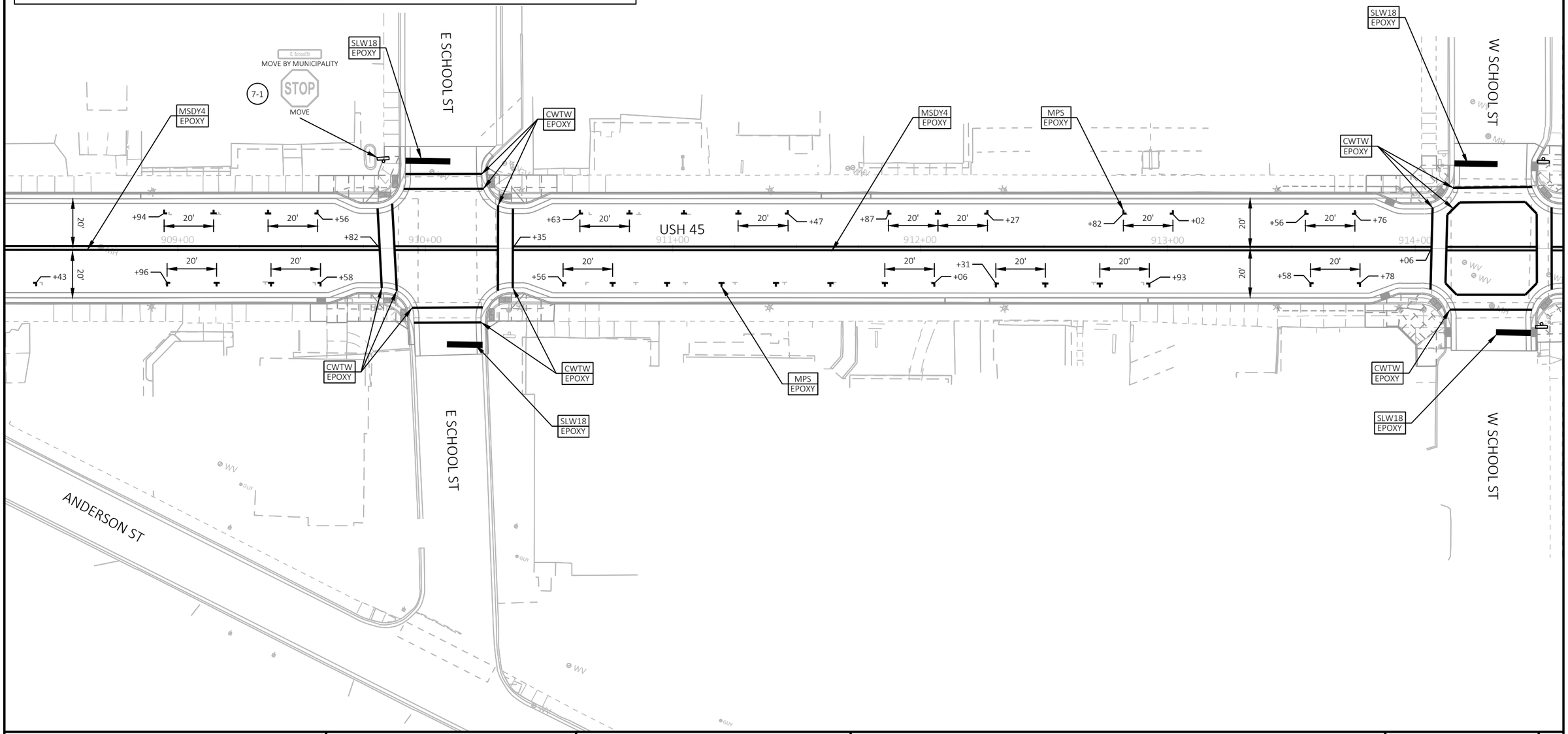
LEGEND

	EXISTING SIGN MOUNTED ON SINGLE POST	ARRW	MARKING ARROWS (WHITE)
	EXISTING SIGN MOUNTED ON DOUBLE POST	MSDY4	MARKING LINE SAME DAY 4-INCH (DOUBLE YELLOW)
	MOVING SIGN MOUNTED ON SINGLE POST	MWE4	MARKING LINE 4-INCH (WHITE EDGELINE)
	MOVING SIGN MOUNTED ON DOUBLE POST	MWCH8	MARKING LINE 8-INCH (WHITE CHANNELIZING)
X	SIGN - MOVE	SLW18	MARKING STOP LINE 18-INCH (WHITE)
X	SIGN - NEW	WS4-3	MARKING LINE 4-INCH (WHITE SKIP) (3' LINE, 9' GAP)
CWTW	MARKING CROSSWALK TRANSVERSE 6-INCH LINE (WHITE)	WS4-12	MARKING LINE 4-INCH (WHITE SKIP) (12.5' LINE, 37.5' GAP)
EPOXY	EPOXY	WS8-3	MARKING LINE 8-INCH (WHITE SKIP) (3' LINE, 9' GAP)
GWRE	GROOVED WET REFLECTIVE EPOXY	MWD12	MARKING DIAGONAL 12-INCH (WHITE) (9' C-C AT 45°)
MPS	MARKING PARKING STALL (WHITE)	WORD	MARKING WORD (WHITE)

NOTE

ALL PARKING STALL LENGTHS ARE 22' UNLESS OTHERWISE DIMENSIONED.

N



PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PERMANENT SIGNING AND MARKING	SHEET 56	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 07

PLOT DATE : 8/26/2021 8:20 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

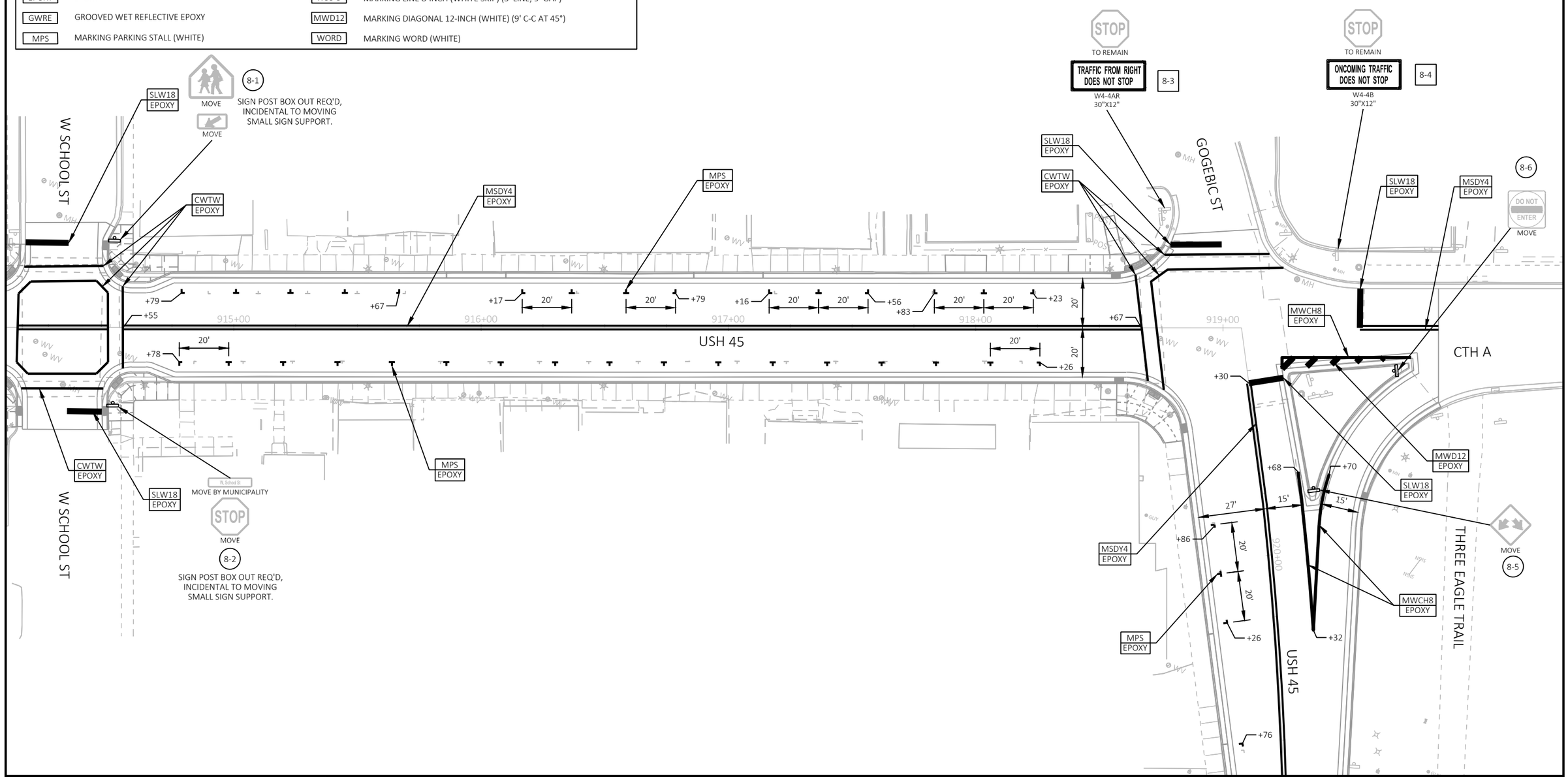
LEGEND

	EXISTING SIGN MOUNTED ON SINGLE POST	ARRW	MARKING ARROWS (WHITE)
	EXISTING SIGN MOUNTED ON DOUBLE POST	MSDY4	MARKING LINE SAME DAY 4-INCH (DOUBLE YELLOW)
	MOVING SIGN MOUNTED ON SINGLE POST	MWE4	MARKING LINE 4-INCH (WHITE EDGELINE)
	MOVING SIGN MOUNTED ON DOUBLE POST	MWCH8	MARKING LINE 8-INCH (WHITE CHANNELIZING)
X	SIGN - MOVE	SLW18	MARKING STOP LINE 18-INCH (WHITE)
X	SIGN - NEW	WS4-3	MARKING LINE 4-INCH (WHITE SKIP) (3' LINE, 9' GAP)
CWTW	MARKING CROSSWALK TRANSVERSE 6-INCH LINE (WHITE)	WS4-12	MARKING LINE 4-INCH (WHITE SKIP) (12.5' LINE, 37.5' GAP)
EPOXY	EPOXY	WS8-3	MARKING LINE 8-INCH (WHITE SKIP) (3' LINE, 9' GAP)
GWRE	GROOVED WET REFLECTIVE EPOXY	MWD12	MARKING DIAGONAL 12-INCH (WHITE) (9' C-C AT 45°)
MPS	MARKING PARKING STALL (WHITE)	WORD	MARKING WORD (WHITE)

NOTE

ALL PARKING STALL LENGTHS ARE 22' UNLESS OTHERWISE DIMENSIONED.

N



PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PERMANENT SIGNING AND MARKING	SHEET 57	E

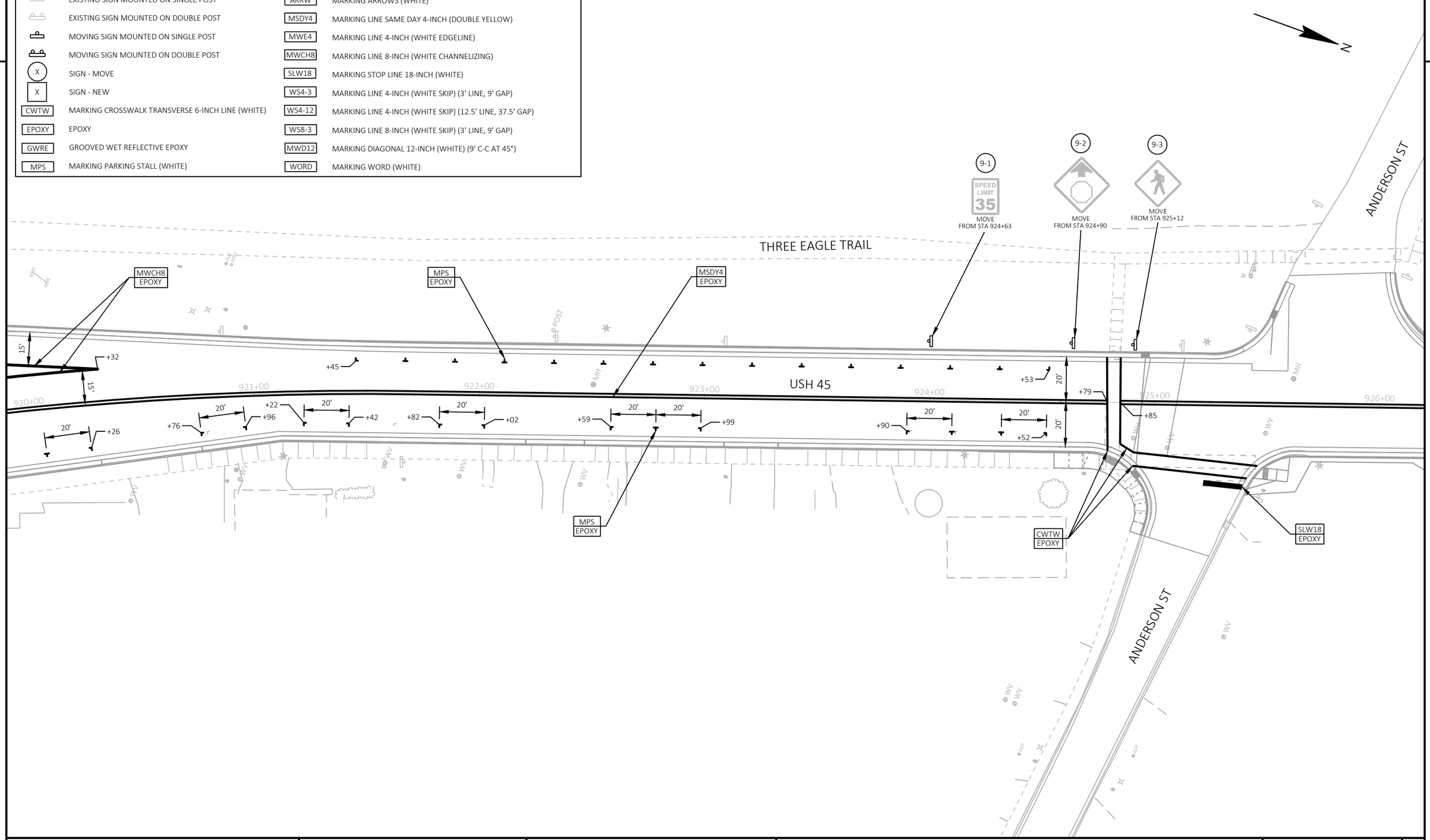
FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 08
PLOT DATE : 8/26/2021 8:20 AM
PLOT BY : DREW NELSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

LEGEND

	EXISTING SIGN MOUNTED ON SINGLE POST	ARRW	MARKING ARROWS (WHITE)
	EXISTING SIGN MOUNTED ON DOUBLE POST	MSDY4	MARKING LINE SAME DAY 4-INCH (DOUBLE YELLOW)
	MOVING SIGN MOUNTED ON SINGLE POST	MWE4	MARKING LINE 4-INCH (WHITE EDGELINE)
	MOVING SIGN MOUNTED ON DOUBLE POST	MWCH8	MARKING LINE 8-INCH (WHITE CHANNELIZING)
X	SIGN - MOVE	SLW18	MARKING STOP LINE 18-INCH (WHITE)
X	SIGN - NEW	WS4-3	MARKING LINE 4-INCH (WHITE SKIP) (3' LINE, 9' GAP)
CWTW	MARKING CROSSWALK TRANSVERSE 6-INCH LINE (WHITE)	WS4-12	MARKING LINE 4-INCH (WHITE SKIP) (12.5' LINE, 37.5' GAP)
EPOXY	EPOXY	WS8-3	MARKING LINE 8-INCH (WHITE SKIP) (3' LINE, 9' GAP)
GWRE	GROOVED WET REFLECTIVE EPOXY	MWD12	MARKING DIAGONAL 12-INCH (WHITE) (9' C-C AT 45°)
MPS	MARKING PARKING STALL (WHITE)	WORD	MARKING WORD (WHITE)

NOTE

ALL PARKING STALL LENGTHS ARE 22' UNLESS OTHERWISE DIMENSIONED.



PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PERMANENT SIGNING AND MARKING	SHEET 58	E

2

2

N

ANDERSON ST

THREE EAGLE TRAIL

USH 45

MPS
EPOXY

MSDY4
EPOXY

MWE4
GWRE

+72

20'

+02

+90

926+00

927+00

928+00

929+00

930+00

931+00

932+00

20'

12'

12'

+92

+58

+46

+90

+05

+80

MWE4
GWRE

FOLLOW SDDS FOR PAVEMENT MARKING (SEE MISCELLANEOUS QUANTITIES FOR ADDITIONAL INFORMATION)

LEGEND

	EXISTING SIGN MOUNTED ON SINGLE POST	ARRW	MARKING ARROWS (WHITE)
	EXISTING SIGN MOUNTED ON DOUBLE POST	MSDY4	MARKING LINE SAME DAY 4-INCH (DOUBLE YELLOW)
	MOVING SIGN MOUNTED ON SINGLE POST	MWE4	MARKING LINE 4-INCH (WHITE EDGELINE)
	MOVING SIGN MOUNTED ON DOUBLE POST	MWCH8	MARKING LINE 8-INCH (WHITE CHANNELIZING)
X	SIGN - MOVE	SLW18	MARKING STOP LINE 18-INCH (WHITE)
X	SIGN - NEW	WS4-3	MARKING LINE 4-INCH (WHITE SKIP) (3' LINE, 9' GAP)
CWTW	MARKING CROSSWALK TRANSVERSE 6-INCH LINE (WHITE)	WS4-12	MARKING LINE 4-INCH (WHITE SKIP) (12.5' LINE, 37.5' GAP)
EPOXY	EPOXY	WS8-3	MARKING LINE 8-INCH (WHITE SKIP) (3' LINE, 9' GAP)
GWRE	GROOVED WET REFLECTIVE EPOXY	MWD12	MARKING DIAGONAL 12-INCH (WHITE) (9' C-C AT 45°)
MPS	MARKING PARKING STALL (WHITE)	WORD	MARKING WORD (WHITE)

NOTE

ALL PARKING STALL LENGTHS ARE 22' UNLESS OTHERWISE DIMENSIONED.

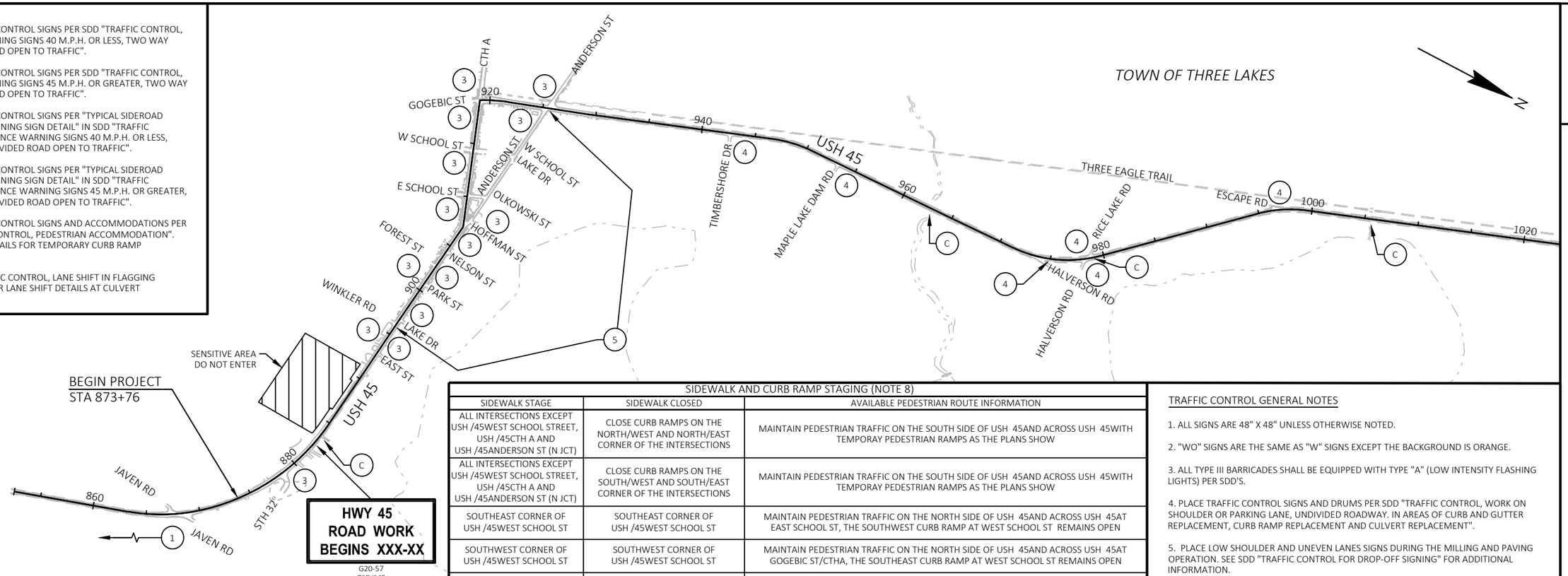
PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PERMANENT SIGNING AND MARKING	SHEET 59	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 10

PLOT DATE : 8/26/2021 8:20 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

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 SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC".
3. 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".
4. PLACE TRAFFIC CONTROL SIGNS PER "TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL" IN SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC".
5. PLACE TRAFFIC CONTROL SIGNS AND ACCOMMODATIONS PER SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION". SEE PAVING DETAILS FOR TEMPORARY CURB RAMP LOCATIONS.
- C. SEE SDD "TRAFFIC CONTROL, LANE SHIFT IN FLAGGING OPERATION" FOR LANE SHIFT DETAILS AT CULVERT REPLACEMENTS.

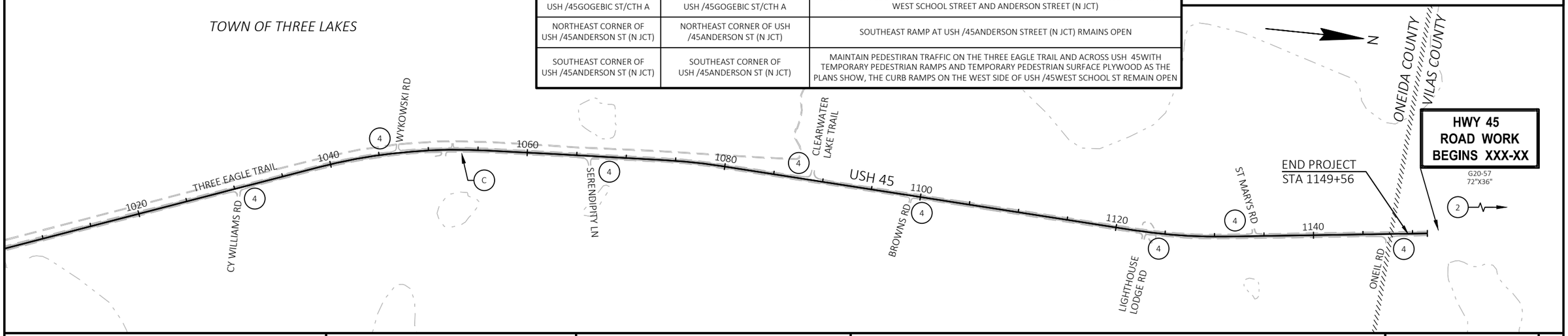


SIDEWALK AND CURB RAMP STAGING (NOTE 8)

SIDEWALK STAGE	SIDEWALK CLOSED	AVAILABLE PEDESTRIAN ROUTE INFORMATION
ALL INTERSECTIONS EXCEPT USH /45WEST SCHOOL STREET, USH /45CTH A AND USH /45ANDERSON ST (N JCT)	CLOSE CURB RAMPS ON THE NORTH/WEST AND NORTH/EAST CORNER OF THE INTERSECTIONS	MAINTAIN PEDESTRIAN TRAFFIC ON THE SOUTH SIDE OF USH 45AND ACROSS USH 45WITH TEMPORAY PEDESTRIAN RAMPS AS THE PLANS SHOW
ALL INTERSECTIONS EXCEPT USH /45WEST SCHOOL STREET, USH /45CTH A AND USH /45ANDERSON ST (N JCT)	CLOSE CURB RAMPS ON THE SOUTH/WEST AND SOUTH/EAST CORNER OF THE INTERSECTIONS	MAINTAIN PEDESTRIAN TRAFFIC ON THE SOUTH SIDE OF USH 45AND ACROSS USH 45WITH TEMPORAY PEDESTRIAN RAMPS AS THE PLANS SHOW
SOUTHEAST CORNER OF USH /45WEST SCHOOL ST	SOUTHEAST CORNER OF USH /45WEST SCHOOL ST	MAINTAIN PEDESTRIAN TRAFFIC ON THE NORTH SIDE OF USH 45AND ACROSS USH 45AT EAST SCHOOL ST, THE SOUTHWEST CURB RAMP AT WEST SCHOOL ST REMAINS OPEN
SOUTHWEST CORNER OF USH /45WEST SCHOOL ST	SOUTHWEST CORNER OF USH /45WEST SCHOOL ST	MAINTAIN PEDESTRIAN TRAFFIC ON THE NORTH SIDE OF USH 45AND ACROSS USH 45AT GOGEBIC ST/CTHA, THE SOUTHEAST CURB RAMP AT WEST SCHOOL ST REMAINS OPEN
NORTHEAST CORNER OF USH /45WEST SCHOOL ST	NORTHEAST CORNER OF USH /45WEST SCHOOL ST	MAINTAIN PEDESTRIAN TRAFFIC ON THE SOUTH SIDE OF USH 45AND ACROSS USH 45AT EAST SCHOOL ST, THE NORTHWEST CURB RAMP AT WEST SCHOOL ST REMAINS OPEN
NORTHWEST CORNER OF USH /45WEST SCHOOL ST	NORTHWEST CORNER OF USH /45WEST SCHOOL ST	MAINTAIN PEDESTRIAN TRAFFIC ON THE SOUTH SIDE OF USH 45AND ACROSS USH 45AT GOGEBIC ST/CTH A, THE NORTHEAST CURB RAMP AT WEST SCHOOL ST REMAINS OPEN
SOUTHEAST CORNER OF USH /45GOGEBIC ST/CTH A	SOUTHEAST CORNER OF USH /45GOGEBIC ST/CTH A	MAINTAIN PEDESTIRAN TRAFFIC ON THE NORTH SIDE OF USH 45AND THE THREE EAGLE TRAIL. SOTHEAST RAMP AT USH /45ANDERSON STREET (N JCT) REMAINS OPEN
NORTHEAST CORNER OF USH /45GOGEBIC ST/CTH A	NORTHEAST CORNER OF USH /45GOGEBIC ST/CTH A	MAINTAIN PEDESTRIAN TRAFFIC ON THE SOUTH SIDE OF USH 45AND ACROSS USH 45AT WEST SCHOOL STREET AND ANDERSON STREET (N JCT)
NORTHEAST CORNER OF USH /45ANDERSON ST (N JCT)	NORTHEAST CORNER OF USH /45ANDERSON ST (N JCT)	SOUTHEAST RAMP AT USH /45ANDERSON STREET (N JCT) RMAINS OPEN
SOUTHEAST CORNER OF USH /45ANDERSON ST (N JCT)	SOUTHEAST CORNER OF USH /45ANDERSON ST (N JCT)	MAINTAIN PEDESTIRAN TRAFFIC ON THE THREE EAGLE TRAIL AND ACROSS USH 45WITH TEMPORARY PEDESTRIAN RAMPS AND TEMPORARY PEDESTRIAN SURFACE PLYWOOD AS THE PLANS SHOW, THE CURB RAMPS ON THE WEST SIDE OF USH /45WEST SCHOOL ST REMAIN OPEN

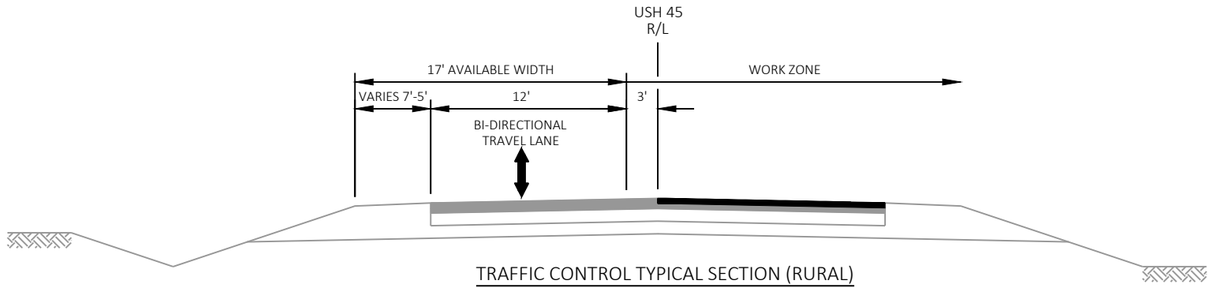
TRAFFIC CONTROL GENERAL NOTES

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 TRAFFIC CONTROL SIGNS AND DRUMS PER SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY. IN AREAS OF CURB AND GUTTER REPLACEMENT, CURB RAMP REPLACEMENT AND CULVERT REPLACEMENT".
5. PLACE LOW SHOULDER AND UNEVEN LANES SIGNS DURING THE MILLING AND PAVING OPERATION. SEE SDD "TRAFFIC CONTROL FOR DROP-OFF SIGNING" FOR ADDITIONAL INFORMATION.
6. PLACE GROOVED PAVEMENT AND BUMP SIGNS DURING THE MILLING AND PAVING OPERATIONS. SEE SDD "TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES." FOR ADDITIONAL INFORMATION.
7. PLACE G20-57 SIGNS 7 DAYS PRIOR TO CONSTRUCTION AND REMOVE WHEN CONSTRUCTION BEGINS. ADJUST THE PROJECT BEGIN DATE ACCORDINGLY.
8. SEE PAVING DETAILS AND MISCELLANEOUS QUANTITIES FOR ADDITIONAL INFORMATION ON LOCATIONS OF TEMPORARY PEDESTRIAN ACCOMMODATIONS.

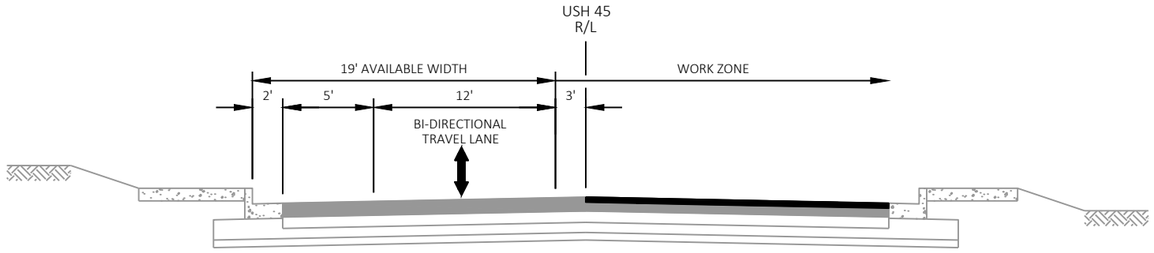


PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	TRAFFIC CONTROL - OVERVIEW	SHEET 60	E

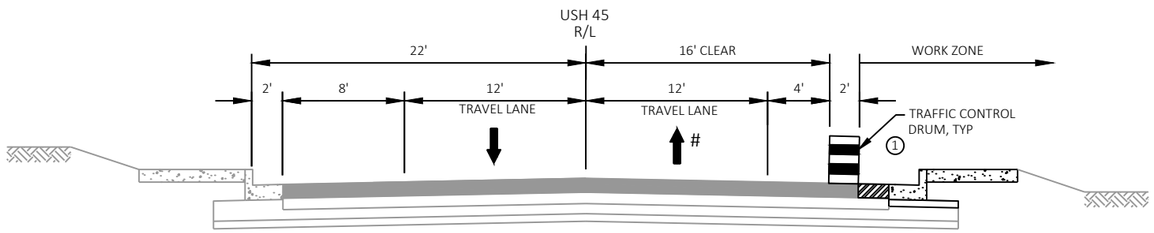
LEGEND
PAVEMENT CONSTRUCTION AREA



TRAFFIC CONTROL TYPICAL SECTION (RURAL)
USH 45
TYPICAL STAGING FOR MILL AND OVERLAY OPERATIONS
(WORK ZONE FOR USH 45 NB SHOWN, MIRROR TYPICAL SECTION FOR USH 45 SB WORK ZONE)



TRAFFIC CONTROL TYPICAL SECTION (URBAN)
USH 45
TYPICAL STAGING FOR MILL AND OVERLAY OPERATIONS
(WORK ZONE FOR USH 45 NB SHOWN, MIRROR TYPICAL SECTION FOR USH 45 SB WORK ZONE)



TRAFFIC CONTROL TYPICAL SECTION
USH 45
TYPICAL SECTION FOR CURB & GUTTER AND CURB RAMP REPLACEMENTS
(WORK ZONE FOR USH 45 NB SHOWN, MIRROR TYPICAL SECTION FOR USH 45 SB WORK ZONE)

NOTES

ON USH 45, ONE LANE MAY BE CLOSED DURING WORKING HOURS TO CONSTRUCT THE CURB & GUTTER AND CURB RAMP REPLACEMENTS

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS

THE WORK ZONE AS SHOWN INCLUDES WORKING ROOM AND BUFFER TO LIVE TRAFFIC

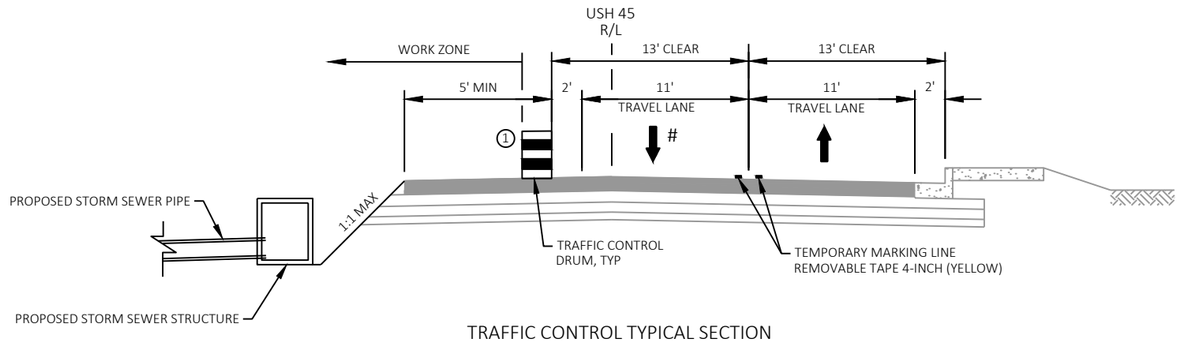
SEE SDD "TRAFFIC CONTROL, LANE SHIFT IN FLAGGING OPERATION" FOR TEMPORARY SHIFT TO REPLACE CULVERTS

(1) DRUM PLACEMENT SHOWN DURING NON-WORKING HOURS, SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" FOR ADDITIONAL INFORMATION

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	TRAFFIC CONTROL - TYPICAL SECTIONS	SHEET 61	E

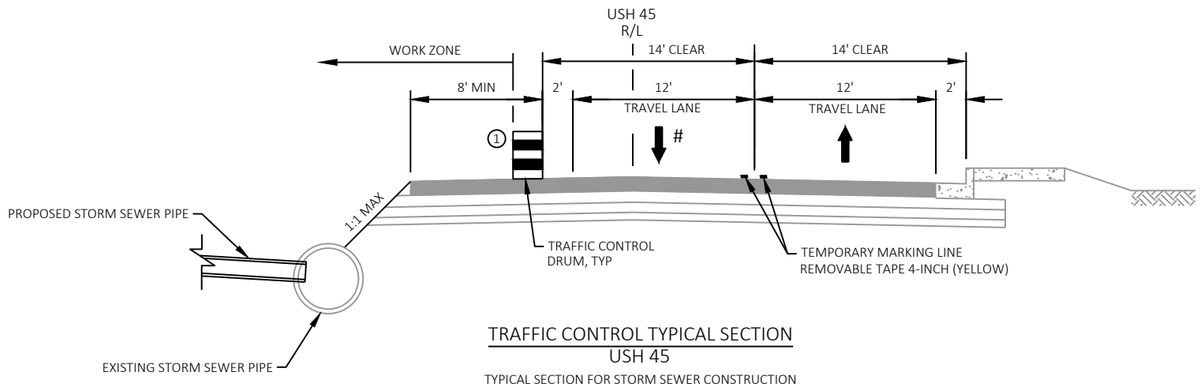
FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\025001-TC.DWG
LAYOUT NAME - 020202-ts
PLOT DATE : 8/26/2021 8:20 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

LEGEND
PAVEMENT CONSTRUCTION AREA



TRAFFIC CONTROL TYPICAL SECTION
USH 45

TYPICAL SECTION FOR STORM SEWER CONSTRUCTION
STA 909+69 RT (EAST SCHOOL ST)
STA 913+90, LT & RT (WEST SCHOOL ST)
∗ STA 924+92, RT (ANDERSON ST)
∗ STA 924+96, LT (ANDERSON ST)
(WORK ZONE FOR USH 45 SB SHOWN, MIRROR TYPICAL SECTION FOR USH 45 NB WORK ZONE)



TRAFFIC CONTROL TYPICAL SECTION
USH 45

TYPICAL SECTION FOR STORM SEWER CONSTRUCTION
STA 925+51, LT (ANDERSON ST)

NOTES

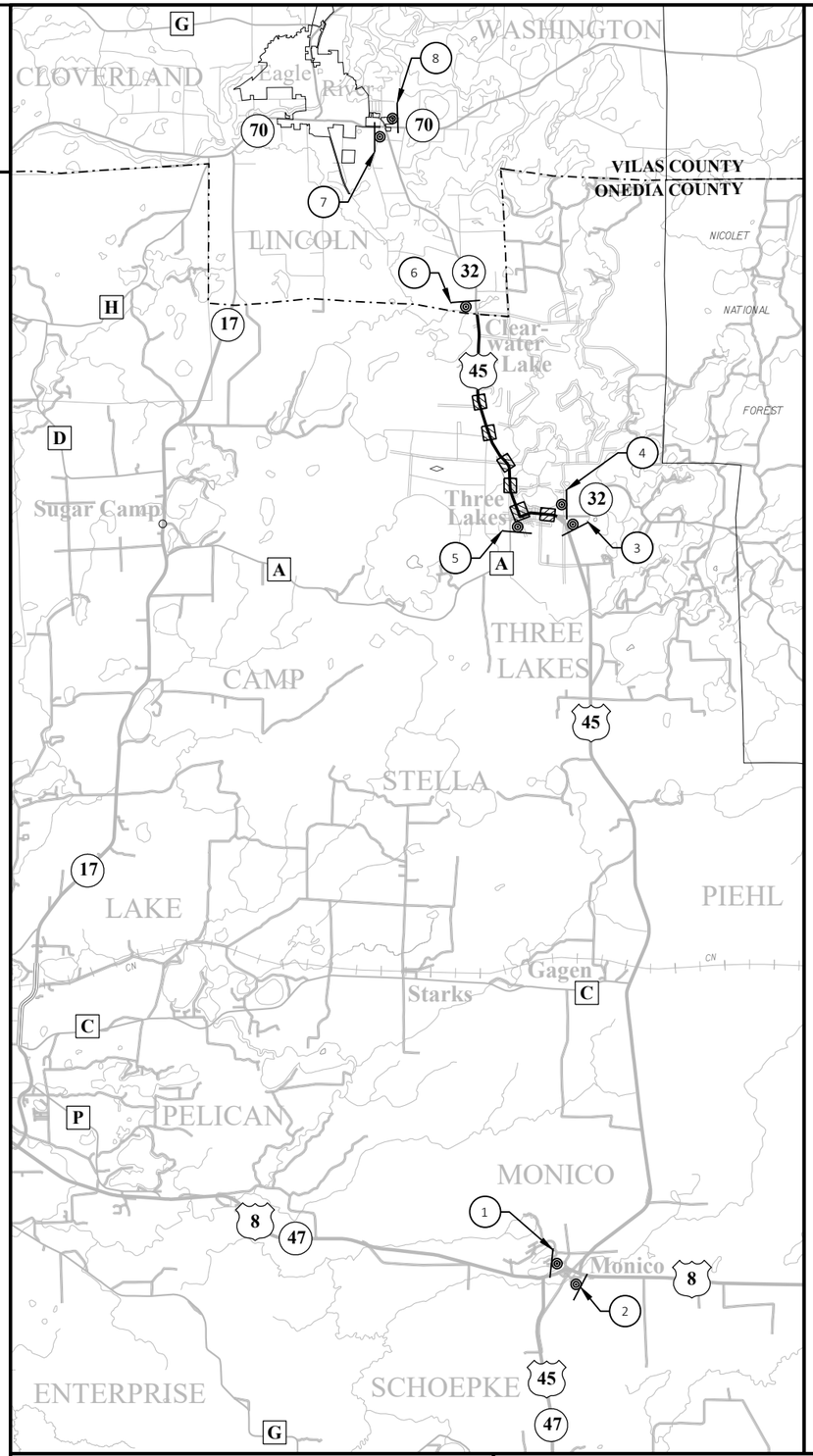
\# ON USH 45, ONE LANE MAY BE CLOSED DURING WORKING HOURS TO CONSTRUCT THE STORM SEWER

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" TO REDUCE TRAFFIC TO ONE LANE OF BI-DIRECTIONAL TRAFFIC DURING WORKING HOURS

∗ PROPOSED STORM SEWER PIPE IS BEING CONNECTED TO EXISTING STORM SEWER STRUCTURES WITHIN THE ROADWAY. THE STORM SEWER PIPE WILL BE REPLACED WITH FLAGGING OPERATIONS. TYPICAL SECTION SHOWS TRAFFIC LOCATION DURING CONCRETE CURE TIME AT THE INLET STRUCTURES.

① DRUM PLACEMENT SHOWN DURING NON-WORKING HOURS, SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" FOR ADDITIONAL INFORMATION

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	TRAFFIC CONTROL - TYPICAL SECTIONS	SHEET 62	E



N

NOTES FOR WIDTH RESTRICTION SIGNING

ALL TRAFFIC CONTROL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

* PLACE SIGN M1-4 AND M3-1 OR M3-3 WHEN ASSEMBLY IS MOUNTED ON ALL ROADWAYS OTHER THAN USH 45.

** PLACE SIGN M3-1 ON THE FOLLOWING ASSEMBLIES. (1) (2) (4)

*** PLACE SIGN M3-3 ON THE FOLLOWING ASSEMBLIES. (7) (8)

LEGEND

- SIGN SUPPORT
- PROJECT AREA
- WIDTH RESTRICTED WORK ZONE DURING STORM SEWER AND CULVERT CONSTRUCTION

(1) USH 8 WB / USH 45 INTERSECTION - 16 1/2 MILES AHEAD
(2) USH 8 EB / USH 45 INTERSECTION - 16 1/2 MILES AHEAD
(3) USH 45 / STH 32 INTERSECTION - 1/2 MILE AHEAD
(4) STH 32 / USH 45 INTERSECTION - 1/2 MILE AHEAD
(5) CTH A / USH 45 INTERSECTION - 1 MILE AHEAD
(6) USH 45 / ONEIL RD INTERSECTION - 2 MILES AHEAD
(7) STH 70 WB / USH 45 INTERSECTION - 6 1/2 MILES AHEAD
(8) STH 70 EB / USH 45 INTERSECTION - 6 1/2 MILES AHEAD

** NORTH
M3-1
24"X12"

*** SOUTH
M3-3
24"X12"

* 45
M1-4
24"X24"

MAX. 9' WIDTH
W12-52
48"X48"

XX MILES AHEAD
WO57-52
48"X36"

PLACE ABOVE SIGNS AT ALL LOCATIONS DURING STORM SEWER AND CULVERT CONSTRUCTION

2

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	TRAFFIC CONTROL - WIDTH RESTRICTION	SHEET 63	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\025002-TC.DWG
LAYOUT NAME - 02
PLOT DATE : 8/26/2021 8:20 AM
PLOT BY : DREW NELSON
PLOT NAME :
PLOT SCALE : 1 IN:3 MI
WISDOT/CADDS SHEET 42

1600-28-61

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	5.000	5.000
0004	201.0205	Grubbing	STA	5.000	5.000
0006	203.0100	Removing Small Pipe Culverts	EACH	6.000	6.000
0008	203.0220	Removing Structure (structure) 01. C-927-42	EACH	1.000	1.000
0010	204.0100	Removing Concrete Pavement	SY	990.000	990.000
0012	204.0110	Removing Asphaltic Surface	SY	530.000	530.000
0014	204.0115	Removing Asphaltic Surface Butt Joints	SY	960.000	960.000
0016	204.0120	Removing Asphaltic Surface Milling	SY	103,620.000	103,620.000
0018	204.0150	Removing Curb & Gutter	LF	7,580.000	7,580.000
0020	204.0155	Removing Concrete Sidewalk	SY	740.000	740.000
0022	204.0180	Removing Delineators and Markers	EACH	14.000	14.000
0024	204.0185	Removing Masonry	CY	2.000	2.000
0026	204.0245	Removing Storm Sewer (size) 01. 15-Inch	LF	54.000	54.000
0028	205.0100	Excavation Common	CY	4,416.000	4,416.000
0030	208.1500.S	Temporary Lane Shift During Culvert Work	EACH	9.000	9.000
0032	211.0100	Prepare Foundation for Asphaltic Paving (project) 01.1600-28-61	LS	1.000	1.000
0034	213.0100	Finishing Roadway (project) 01.1600-28-61	EACH	1.000	1.000
0036	305.0110	Base Aggregate Dense 3/4-Inch	TON	2,550.000	2,550.000
0038	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	3,284.000	3,284.000
0040	416.0160	Concrete Driveway 6-Inch	SY	15.000	15.000
0042	450.4000	HMA Cold Weather Paving	TON	8,770.000	8,770.000
0044	455.0605	Tack Coat	GAL	7,360.000	7,360.000
0046	460.2000	Incentive Density HMA Pavement	DOL	5,610.000	5,610.000
0048	460.5225	HMA Pavement 5 LT 58-28 S	TON	8,770.000	8,770.000
0050	465.0105	Asphaltic Surface	TON	770.000	770.000
0052	465.0110	Asphaltic Surface Patching	TON	672.000	672.000
0054	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	90.000	90.000
0056	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	16,600.000	16,600.000
0058	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	2.000	2.000
0060	520.1036	Apron Endwalls for Culvert Pipe 36-Inch	EACH	2.000	2.000
0062	520.3424	Culvert Pipe Class III-A Non-metal 24-Inch	LF	74.000	74.000
0064	520.3436	Culvert Pipe Class III-A Non-metal 36-Inch	LF	100.000	100.000
0066	520.8000	Concrete Collars for Pipe	EACH	1.000	1.000
0068	522.0142	Culvert Pipe Reinforced Concrete Class III 42-Inch	LF	196.000	196.000
0070	522.0424	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	82.000	82.000
0072	522.0436	Culvert Pipe Reinforced Concrete Class IV 36-Inch	LF	136.000	136.000
0074	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	2.000	2.000
0076	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	4.000	4.000
0078	522.1042	Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	EACH	4.000	4.000
0080	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	7,000.000	7,000.000
0082	601.0600	Concrete Curb Pedestrian	LF	145.000	145.000
0084	602.0410	Concrete Sidewalk 5-Inch	SF	7,720.000	7,720.000
0086	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	250.000	250.000
0088	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	110.000	110.000
0090	606.0200	Riprap Medium	CY	80.000	80.000
0092	606.0300	Riprap Heavy	CY	10.000	10.000
0094	608.3012	Storm Sewer Pipe Class III-A 12-Inch	LF	18.000	18.000
0096	608.3015	Storm Sewer Pipe Class III-A 15-Inch	LF	87.000	87.000
0098	611.0420	Reconstructing Manholes	EACH	2.000	2.000

1600-28-61

Line	Item	Item Description	Unit	Total	Qty
0100	611.0430	Reconstructing Inlets	EACH	1.000	1.000
0102	611.0530	Manhole Covers Type J	EACH	2.000	2.000
0104	611.0639	Inlet Covers Type H-S	EACH	4.000	4.000
0106	611.0651	Inlet Covers Type S	EACH	1.000	1.000
0108	611.3004	Inlets 4-FT Diameter	EACH	3.000	3.000
0110	611.3230	Inlets 2x3-FT	EACH	1.000	1.000
0112	611.8110	Adjusting Manhole Covers	EACH	3.000	3.000
0114	611.8115	Adjusting Inlet Covers	EACH	19.000	19.000
0116	611.8120.S	Cover Plates Temporary	EACH	9.000	9.000
0118	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	10.000	10.000
0120	614.0920	Salvaged Rail	LF	100.000	100.000
0122	614.0925	Salvaged Guardrail End Treatments	EACH	2.000	2.000
0124	618.0100	Maintenance And Repair of Haul Roads (project) 01.1600-28-61	EACH	1.000	1.000
0126	619.1000	Mobilization	EACH	1.000	1.000
0128	620.0300	Concrete Median Sloped Nose	SF	140.000	140.000
0130	621.0100	Landmark Reference Monuments	EACH	4.000	4.000
0132	624.0100	Water	MGAL	50.000	50.000
0134	625.0100	Topsoil	SY	7,280.000	7,280.000
0136	628.1504	Silt Fence	LF	3,025.000	3,025.000
0138	628.1520	Silt Fence Maintenance	LF	3,025.000	3,025.000
0140	628.1905	Mobilizations Erosion Control	EACH	4.000	4.000
0142	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0144	628.2004	Erosion Mat Class I Type B	SY	2,000.000	2,000.000
0146	628.2008	Erosion Mat Urban Class I Type B	SY	5,280.000	5,280.000
0148	628.7005	Inlet Protection Type A	EACH	4.000	4.000
0150	628.7010	Inlet Protection Type B	EACH	2.000	2.000
0152	628.7015	Inlet Protection Type C	EACH	30.000	30.000
0154	628.7504	Temporary Ditch Checks	LF	125.000	125.000
0156	628.7555	Culvert Pipe Checks	EACH	45.000	45.000
0158	628.7570	Rock Bags	EACH	240.000	240.000
0160	629.0210	Fertilizer Type B	CWT	4.000	4.000
0162	630.0120	Seeding Mixture No. 20	LB	35.000	35.000
0164	630.0130	Seeding Mixture No. 30	LB	80.000	80.000
0166	630.0140	Seeding Mixture No. 40	LB	30.000	30.000
0168	630.0500	Seed Water	MGAL	85.000	85.000
0170	633.5200	Markers Culvert End	EACH	14.000	14.000
0172	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	5.000	5.000
0174	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	2.000	2.000
0176	634.0816	Posts Tubular Steel 2x2-Inch X 16-FT	EACH	5.000	5.000
0178	637.2230	Signs Type II Reflective F	SF	5.000	5.000
0180	638.2102	Moving Signs Type II	EACH	15.000	15.000
0182	638.4000	Moving Small Sign Supports	EACH	16.000	16.000
0184	642.5201	Field Office Type C	EACH	1.000	1.000
0186	643.0300	Traffic Control Drums	DAY	8,280.000	8,280.000
0188	643.0410	Traffic Control Barricades Type II	DAY	600.000	600.000
0190	643.0420	Traffic Control Barricades Type III	DAY	3,600.000	3,600.000
0192	643.0705	Traffic Control Warning Lights Type A	DAY	4,200.000	4,200.000
0194	643.0900	Traffic Control Signs	DAY	6,470.000	6,470.000
0196	643.1000	Traffic Control Signs Fixed Message	SF	36.000	36.000

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Line	Item	Item Description	Unit	Total	Qty
0198	643.5000	Traffic Control	EACH	1.000	1.000
0200	644.1420	Temporary Pedestrian Surface Plywood	SF	175.000	175.000
0202	644.1601	Temporary Pedestrian Curb Ramp	DAY	155.000	155.000
0204	645.0120	Geotextile Type HR	SY	250.000	250.000
0206	646.1020	Marking Line Epoxy 4-Inch	LF	23,350.000	23,350.000
0208	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	42,350.000	42,350.000
0210	646.3020	Marking Line Epoxy 8-Inch	LF	400.000	400.000
0212	646.4520	Marking Line Same Day Epoxy 4-Inch	LF	11,400.000	11,400.000
0214	646.5020	Marking Arrow Epoxy	EACH	2.000	2.000
0216	646.5120	Marking Word Epoxy	EACH	1.000	1.000
0218	646.6120	Marking Stop Line Epoxy 18-Inch	LF	260.000	260.000
0220	646.6464	Cold Weather Marking Epoxy 4-Inch	LF	8,000.000	8,000.000
0222	646.6468	Cold Weather Marking Epoxy 8-Inch	LF	400.000	400.000
0224	646.7120	Marking Diagonal Epoxy 12-Inch	LF	20.000	20.000
0226	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,500.000	1,500.000
0228	646.8320	Marking Parking Stall Epoxy	LF	660.000	660.000
0230	646.9000	Marking Removal Line 4-Inch	LF	2,340.000	2,340.000
0232	648.0100	Locating No-Passing Zones	MI	4.180	4.180
0234	649.0105	Temporary Marking Line Paint 4-Inch	LF	28,170.000	28,170.000
0236	649.0120	Temporary Marking Line Epoxy 4-Inch	LF	19,900.000	19,900.000
0238	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	3,380.000	3,380.000
0240	650.4000	Construction Staking Storm Sewer	EACH	4.000	4.000
0242	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	7,580.000	7,580.000
0244	650.6000	Construction Staking Pipe Culverts	EACH	7.000	7.000
0246	650.8000	Construction Staking Resurfacing Reference	LF	27,580.000	27,580.000
0248	650.8500	Construction Staking Electrical Installations (project) 01. 1600-28-61	LS	1.000	1.000
0250	650.9910	Construction Staking Supplemental Control (project) 01.1600-28-61	LS	1.000	1.000
0252	650.9920	Construction Staking Slope Stakes	LF	402.000	402.000
0254	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	45.000	45.000
0256	652.0700.S	Install Conduit into Existing Item	EACH	4.000	4.000
0258	653.0900	Adjusting Pull Boxes	EACH	13.000	13.000
0260	655.0615	Electrical Wire Lighting 10 AWG	LF	400.000	400.000
0262	655.0630	Electrical Wire Lighting 4 AWG	LF	585.000	585.000
0264	690.0150	Sawing Asphalt	LF	9,416.000	9,416.000
0266	690.0250	Sawing Concrete	LF	375.000	375.000
0268	740.0440	Incentive IRI Ride	DOL	20,900.000	20,900.000
0270	SPV.0030	Special 01. Fertilizer for Lawn Type Turf	CWT	1.000	1.000
0272	SPV.0060	Special 01. Inlet Covers Type H-D	EACH	4.000	4.000
0274	SPV.0060	Special 02. Inlet Covers Type Solid Lid	EACH	1.000	1.000
0276	SPV.0060	Special 03. Reestablish Section Corner Monuments	EACH	1.000	1.000
0278	SPV.0060	Special 04. Research And Locate Existing Land Parcel Monuments	EACH	47.000	47.000
0280	SPV.0060	Special 05. Verify And Replace Existing Land Parcel Monuments	EACH	47.000	47.000
0282	SPV.0060	Special 06. Adjusting Water Valve Boxes	EACH	8.000	8.000
0284	SPV.0060	Special 07. Adjusting Sanitary Manhole Covers	EACH	6.000	6.000
0286	SPV.0060	Special 08. Remove and Reinstall Street Light Assembly	EACH	2.000	2.000
0288	SPV.0060	Special 09. Concrete Bases for Decorative Street Lights	EACH	2.000	2.000
0290	SPV.0090	Special 01. Concrete Curb And Gutter HES 30-Inch Type D	LF	580.000	580.000
0292	SPV.0090	Special 02. Sidewalk Repair	LF	100.000	100.000
0294	SPV.0180	Special 01. Preparing Topsoil for Lawn Type Turf	SY	1,600.000	1,600.000

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Line	Item	Item Description	Unit	Total	Qty
0296	SPV.0180	Special 02. Protective Thermoplastic Coating at Snowmobile Trail Crossings	SY	260.000	260.000
0298	SPV.0180	Special 03. Shredded Hardwood Bark Mulch	SY	50.000	50.000

CLEARING AND GRUBBING ITEMS

CATEGORY	STATION	TO	STATION	OFFSET	201.0105 CLEARING STA	201.0205 GRUBBING STA
0010						
	883+00	-	885+00	LT&RT	2	2
	962+00	-	963+00	LT	1	1
	978+00	-	980+00	RT	2	2
TOTALS					5	5

REMOVAL ITEMS

CATEGORY	STATION	TO	STATION	OFFSET	204.0100 REMOVING CONCRETE PAVEMENT SY	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	204.0180 REMOVING DELINEATORS AND MARKERS EACH	204.0185 REMOVING MASONRY CY	COMMENTS
0010													
	873+76	-	891+17	LT&RT	--	--	80	7,470	--	--	--	--	
	882+72	-	883+88	LT&RT	--	--	--	--	--	--	2	--	
	891+17	-	929+05	LT&RT	--	500	530	18,760	7,580	740	--	--	
	902+84	-	902+95	LT	--	--	--	--	--	--	--	2	RETAINING WALL
	929+05	-	1149+56	LT&RT	--	--	350	77,390	--	--	--	--	
	962+20	-	963+35	LT&RT	260	--	--	--	--	--	4	--	
	978+59	-	979+66	LT&RT	240	--	--	--	--	--	2	--	
	1004+96	-	1006+10	LT&RT	250	--	--	--	--	--	4	--	
	1052+14	-	1053+24	LT&RT	240	--	--	--	--	--	2	--	
TOTALS					990	500	960	103,620	7,580	740	14	2	

NOTE:
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

REMOVING SMALL PIPE CULVERTS

CATEGORY	STATION	OFFSET	203.0100 REMOVING SMALL PIPE CULVERTS EACH	COMMENTS
0010				
	962+76	LT&RT	1	36" RCCP
	962+85	LT&RT	1	36" RCCP
	979+13	LT&RT	1	24" RCCP
	1005+49	LT&RT	1	36" RCCP
	1005+56	LT&RT	1	36" RCCP
	1052+69	LT&RT	1	24" RCCP
TOTAL			6	

REMOVING STRUCTURE

CATEGORY	STATION	OFFSET	203.0220.01 REMOVING STRUCTURE (C-927-42) EACH	COMMENTS
0010				
	883+31	LT&RT	1	42" x 60" CONCRETE CATTLE PASS
TOTAL			1	

TEMPORARY LANE SHIFT DURING CULVERT WORK

CATEGORY	STATION	208.1500.S EACH
0010		
	883+31	1
	962+80	2
	979+13	2
	1005+52	2
	1052+69	2
TOTALS		9

BASE AGGREGATE ITEMS

CATEGORY	STATION	TO	STATION	OFFSET	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	COMMENTS
0010							
	873+76	-	891+17	LT&RT	110	--	SHOULDERS
	882+72	-	883+88	LT&RT	120	700	CULVERT
	891+17	-	929+05	LT&RT	320	--	UNDER CURB AND GUTTER
	913+76	-	914+00	LT&RT	--	50	STORM SEWER
	924+87	-	925+00	LT&RT	--	60	STORM SEWER
	929+05	-	1149+56	LT&RT	2,000	--	SHOULDERS
	962+20	-	963+35	LT&RT	--	570	CULVERT
	978+59	-	979+66	LT&RT	--	690	CULVERT
	1004+96	-	1006+10	LT&RT	--	580	CULVERT
	1052+14	-	1053+24	LT&RT	--	580	CULVERT
CATEGORY 0010 TOTALS					2,550	3,230	
0020							
	925+43	-	925+59	LT	--	30	
CATEGORY 0020 TOTALS					--	30	
TOTALS					2,550	3,260	

NOTE:
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

EARTHWORK SUMMARY

DIVISION	LOCATION	205.0100 EXCAVATION COMMON (NOTE 1)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (NOTE 2)	AVAILABLE MATERIAL (NOTE 3)	UNEXPANDED FILL	EXPANDED FILL (NOTE 4)	MASS ORDINATE +/- (NOTE 5)
CATEGORY		CY				FACTOR	
0010						1.25	
1	STA 881+78 TO STA 885+80 (GUARDRAIL REMOVAL)	612	82	530	329	411	119
	STA 882+72 - STA 883+88 (CULVERT)	463	0	463	0	0	463
DIVISION 1 SUBTOTAL		1,075	82	993	329	411	582
2	STA 962+20 - STA 963+35 (CULVERT)	941	116	825	0	0	825
3	STA 978+59 - STA 979+66 (CULVERT)	861	116	745	0	0	745
4	STA 1004+96 - STA 1006+10 (CULVERT)	674	116	558	0	0	558
5	STA 1052+15 - STA 1053+23 (CULVERT)	865	116	749	0	0	749
TOTALS		4,416	546	3,870	329	411	3,459

NOTES:
1) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL = (AREA OF PROJECT PAVEMENT) * (TYPICAL DEPTH)
3) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) EXPANDED FILL FACTOR = (UNEXPANDED FILL) * (FILL FACTOR)
5) MASS ORDINATE = AVAILABLE MATERIAL - (EXPANDED FILL); POSITIVE INDICATES AN EXCESS OF MATERIAL

DRIVEWAY ITEMS

CATEGORY	STATION	TO	STATION	OFFSET	416.0160 CONCRETE DRIVEWAY 6-INCH SY	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON
0010						
	891+42	-	891+76	LT	--	3
	892+46	-	893+01	LT	--	4
	893+38	-	893+70	LT	--	2
	893+87	-	895+94	RT	--	20
	896+30	-	896+48	LT	--	2
	902+48	-	902+83	RT	15	--
	904+10	-	904+24	RT	--	1
	907+15	-	907+40	RT	--	4
	907+87	-	907+99	RT	--	2
	925+40	-	926+74	RT	--	11
	927+30	-	928+26	RT	--	13
	929+05	-	930+73	RT	--	28
TOTALS					15	90

ASPHALTIC ITEMS

CATEGORY	STATION	TO	STATION	OFFSET	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.5225 HMA PAVEMENT 5 LT 58-28 S TON	465.0105 ASPHALTIC SURFACE TON	465.0110* ASPHALTIC SURFACE PATCHING TON	465.0475 ASPHALTIC CENTERLINE RUMBLE STRIPS 2-LANE RURAL LF	COMMENTS
0010											
	873+76	-	891+17	LT&RT	630	520	630	--	--	--	
	882+72	-	883+88	LT&RT	--	20	--	140	--	--	CULVERT
	891+17	-	929+05	LT&RT	1,580	1,310	1,580	--	600	--	CURB AND GUTTER
	924+87	-	925+00	LT&RT	--		--	20	--	--	STORM SEWER
	929+05	-	1149+56	LT&RT	6,550	5,420	6,550	--	--	16,600	
	962+20	-	963+35	LT&RT	--	20	--	140	--	--	CULVERT
	978+59	-	979+66	LT&RT	--	30	--	200	--	--	CULVERT
	1004+96	-	1006+10	LT&RT	--	20	--	140	--	--	CULVERT
	1052+14	-	1053+24	LT&RT	--	20	--	130	--	--	CULVERT
	1069+75	-	1070+50	LT&RT	10	--	10	--	--	--	SNOWMOBILE CROSSING
	UNDISTRIBUTED			--	--	--	--	--	50	--	
CATEGORY 0010 TOTALS					8,770	7,360	8,770	770	650	16,600	
0020											
	925+43	-	925+59	LT	--	--	--	--	10	--	STORM SEWER
CATEGORY 0020 TOTALS					--	--	--	--	10	--	
TOTALS					8,770	7,360	8,770	770	660	16,600	

NOTES:
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE
UNDISTRIBUTED ASPHALTIC SURFACE PATCHING QUANTITY USED FOR ANY REPAIRS REQUIRED AFTER MILLING IS COMPLETE

3

CULVERT ITEMS

CATEGORY	INLET STATION	INLET OFFSET	INLET ELEVATION	DISCHARGE STATION	DISCHARGE OFFSET	DISCHARGE ELEVATION	520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	520.1036 APRON ENDWALLS FOR CULVERT PIPE 36-INCH EACH	520.3424 CULVERT PIPE CLASS III-A NON-METAL 24-INCH LF	520.3436 CULVERT PIPE CLASS III-A NON-METAL 36-INCH LF	522.0142 CULVERT PIPE REINFORCED CONCRETE CLASS III 42-INCH LF	522.0424 CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	522.0436 CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH	522.1042 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 42-INCH EACH	633.5200 MARKERS CULVERT END EACH	JOINT TIES
0010																		
	883+24	43.18' LT	1659.38	883+40	56.66' RT	1656.51	--	2	--	100	--	--	--	--	--	--	2	--
	962+74	47.29' LT	1623.27	962+79	50.54' RT	1622.55	--	--	--	--	98	--	--	--	--	2	2	28
	962+82	47.75' LT	1623.27	962+88	50.07' RT	1622.55	--	--	--	--	98	--	--	--	--	2	2	28
	979+16	31.13' LT	1631.02	979+16	50.87' RT	1627.99	--	--	--	--	--	82	--	2	--	--	2	24
	1005+48	33.78' LT	1623.50	1005+49	34.20' RT	1623.16	--	--	--	--	--	--	68	--	2	--	2	20
	1005+55	33.98' LT	1623.50	1005+57	34.00' RT	1623.16	--	--	--	--	--	--	68	--	2	--	2	20
	1052+69	39.65' LT	1633.65	1052+69	34.36' LT	1633.28	2	--	74	--	--	--	--	--	--	--	2	--
TOTALS							2	2	74	100	196	82	136	2	4	4	14	120

NOTES:
1) STATION OFFSETS SHOWN ARE TO THE END OF PIPE AT APRON ENDWALLS (NOT INCLUDING LENGTH OF ENDWALL).
2) FOR CLASS III-A NON METAL PIPES, LENGTH IS CALCULATED USING POLYETHYLENE PIPE, IF REINFORCED CONCRETE IS USED THE PIPE LENGTH WILL DIFFER DUE TO DIFFERENCES IN APRON ENDWALL DIMENSIONS.
3) JOINT TIES ARE NOT A PAY ITEM AND ARE LISTED FOR INFORMATION ONLY

3

STORM SEWER ITEMS

CATEGORY	STATION	TO	STATION	OFFSET	STRUCTURE NUMBER	204.0245.01 REMOVING STORM SEWER (15-INCH) LF	520.8000 CONCRETE COLLARS FOR PIPE EACH	608.3012 STORM SEWER PIPE CLASS III-A 12-INCH LF	608.3015 STORM SEWER PIPE CLASS III-A 15-INCH LF	611.0420 RECONSTRUCTING MANHOLES EACH	611.0430 RECONSTRUCTING INLETS EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0639 INLET COVERS TYPE H-S EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.8115* ADJUSTING INLET COVERS EACH	612.0902.S.01 INSULATION BOARD POLYSTYRENE (2-INCH) SY	SPV.0060.02 INLET COVERS TYPE SOLID LID EACH
0010																		
	909+58	-	909+69	RT	1 & 2	--	--	--	11	1	--	1	1	--	1	--	--	--
	913+90	-	914+00	LT	3 & 4	--	--	--	11	--	1	--	1	1	--	--	--	1
	913+88	-	913+99	RT	5 & 6	--	--	--	11	1	--	1	1	1	--	--	--	--
	924+92	-	924+96	LT&RT	7 & 8	54	--	--	54	--	--	--	--	--	--	2	10	--
CATEGORY 0010 TOTALS						54	--	--	87	2	1	2	3	2	1	2	10	1
0020																		
	925+52	-	925+51	LT	9 & 10	--	1	18	--	--	--	--	1	1	--	--	--	--
CATEGORY 0020 TOTALS						--	1	18	--	--	--	--	1	1	--	--	--	--
TOTALS						54	1	18	87	2	1	2	4	3	1	2	10	1

NOTES:
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE
SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION

MANHOLE & INLET ITEMS

CATEGORY	STATION	TO	STATION	OFFSET	611.0651 INLET COVERS TYPE S EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115* ADJUSTING INLET COVERS EACH	611.8120.S* COVER PLATES TEMPORARY EACH	SPV.0060.01 INLET COVERS TYPE H-D EACH
0010									
	891+17	-	929+05	LT&RT	1	3	17	3	4
TOTALS					1	3	17	3	4

NOTE:
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

CONCRETE CURB & GUTTER ITEMS

CATEGORY	STATION	TO	STATION	OFFSET	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF	SPV.0090.01 CONCRETE CURB AND GUTTER HES 30-INCH TYPE D LF
0010							
	891+17	-	929+05	LT&RT	7,000	140	580
TOTALS					7,000	140	580

NOTE:
USE TYPE 1 MEDIAN NOSES AT CTH A INTERSECTION ISLAND

CONCRETE SIDEWALK ITEMS

CATEGORY	STATION	TO	STATION	OFFSET	601.0600 CONCRETE CURB PEDESTRIAN LF	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF	653.0900 ADJUSTING PULL BOXES EACH	SPV.0090.02 SIDEWALK REPAIR LF	COMMENTS
0010											
	895+73	-	896+48	LT	--	405	20	--	1	--	WINKLER RD
	896+08	-	897+15	RT	--	490	20	24	1	--	LAKE DR
	897+85	-	899+22	LT & RT	--	345	--	--	--	--	
	900+22	-	901+19	RT	--	335	--	41	1	--	PARK ST
	902+06	-	903+06	LT	70	580	20	--	--	--	FOREST ST
	902+22	-	902+48	RT	25	250	10	--	--	--	
	903+95	-	904+83	RT	--	315	10	20	1	--	NELSON ST
	906+75	-	907+05	LT	--	--	--	--	--	30	
	907+15	-	907+98	RT	--	620	20	--	1	--	ANDERSON ST
	907+90	-	908+09	LT	--	120	--	--	--	--	
	909+57	-	910+53	LT & RT	--	1,250	80	--	1	--	E. SCHOOL ST
	913+80	-	914+78	LT & RT	25	1,670	40	--	3	--	W. SCHOOL ST
	915+15	-	915+85	LT	--	--	--	--	--	70	
	917+88	-	918+04	LT	--	115	--	--	--	--	
	918+37	-	918+75	LT	--	300	--	25	1	--	GOGEBIC ST
	918+50	-	919+50	RT	25	400	10	--	3	--	USH 45 NORTH
	924+56	-	925+60	RT	--	525	20	--	--	--	ANDERSON ST
TOTALS					145	7,720	250	110	13	100	

3

RIPRAP ITEMS

CATEGORY	STATION	OFFSET	606.0200 RIPRAP MEDIUM CY	606.0300 RIPRAP HEAVY CY	645.0120 GEOTEXTILE TYPE HR SY
0010					
	883+31	RT	8	--	25
	933+95	LT	--	10	25
	962+76	LT	18	--	50
	962+85	RT	18	--	50
	1005+49	LT	18	--	50
	1005+56	RT	18	--	50
TOTALS			80	10	250

SECTION CORNER MONUMENT ITEMS

CATEGORY	LOCATION	621.0100 LANDMARK REFERENCE MONUMENTS EACH	SPV.0060.03 REESTABLISH SECTION CORNER MONUMENTS EACH
0010			
	SEC 6 / 7, T38N, R11E	4	1
TOTALS		4	1

SALVAGED GUARDRAIL ITEMS

CATEGORY	STATION	TO	STATION	OFFSET	614.0920 SALVAGED RAIL LF	614.0925 SALVAGED GUARDRAIL END TREATMENTS EACH
0010						
	882+68	-	884+75	LT	100	2
TOTALS					100	2

WATER

CATEGORY	LOCATION	624.0100 WATER MGAL
0010		
	PROJECT	50
TOTAL		50

3

EROSION CONTROL ITEMS

CATEGORY	STATION	TO	STATION	OFFSET	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.2004 EROSION MAT CLASS I TYPE B SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH
0010											
	882+70	-	885+80	LT&RT	400	400	1,370	390	87	5	40
	891+17	-	929+05	LT&RT	--	--	--	1,300	--	--	--
	960+90	-	964+60	LT&RT	700	700	--	860	--	16	40
	978+30	-	980+30	LT&RT	200	200	50	450	13	3	20
	1003+90	-	1007+20	LT&RT	650	650	--	390	--	10	40
	1050+70	-	1054+20	LT&RT	460	460	130	710	--	3	50
	UNDISTRIBUTED				615	615	450	1,180	25	8	50
TOTALS					3,025	3,025	2,000	5,280	125	45	240

INLET PROTECTION

CATEGORY	STATION	TO	STATION	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH
0010						
	891+17	-	929+05	3	1	26
	UNDISTRIBUTED			1	1	4
TOTALS				4	2	30

RESTORATION ITEMS

CATEGORY	STATION	TO	STATION	OFFSET	625.0100 TOPSOIL SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0130 SEEDING MIXTURE NO. 30 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
0010												
	881+75	-	885+80	LT&RT	1,760	1.1	28	13	--	20	--	--
	891+17	-	929+05	LT&RT	1,300	--	--	--	23	10	0.8	1,300
	960+90	-	964+60	LT&RT	950	0.6	--	17	--	10	--	--
	978+30	-	980+30	LT&RT	520	0.3	--	9	--	10	--	--
	1003+90	-	1007+20	LT&RT	490	0.3	--	9	--	10	--	--
	1050+70	-	1054+20	LT&RT	800	0.5	--	14	--	10	--	--
	UNDISTRIBUTED				1,460	0.7	7	18	7	15	0.2	300
TOTALS					7,280	4.0	35	80	30	85	1.0	1,600

EROSION CONTROL MOBILIZATION

CATEGORY	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010			
	PROJECT	4	2
TOTALS		4	2

3

MOVING SIGN ITEMS

CATEGORY	SIGN NUMBER	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	634.0816 POSTS TUBULAR STEEL 2X2-INCH X 16-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH
0010						
	1-1	--	--	--	1	1
	1-2	--	--	--	1	2
	4-1	--	--	--	1	1
	4-2	--	--	--	1	1
	4-3	--	--	--	1	1
	6-1	--	--	--	1	1
	6-2	--	--	--	1	1
	7-1	--	--	--	1	1
	8-1	--	--	--	1	1
	8-2	--	--	--	1	1
	8-5	--	--	--	1	1
	8-6	--	--	--	1	1
	9-1	--	--	--	1	1
	9-2	--	--	--	1	1
	9-3	--	--	--	1	1
	UNDISTRIBUTED	5	2	5	--	--
TOTALS		5	2	5	15	16

NOTE:
UNDISTRIBUTED QUANTITY INCLUDED FOR DAMAGED POSTS OR LOCATIONS IN WHICH SIGN HEIGHT ADJUSTMENTS REQUIRE A NEW POST

TYPE II SIGNS

CATEGORY	SIGN NUMBER	SIGN CODE	SIGN DIMENSION W X H IN	637.2230 SIGNS TYPE II REFLECTIVE F SF	COMMENTS
0010					
	8-3	W4-4AR	30 X 12	2.50	MOUNT BELOW EXISTING STOP SIGN
	8-4	W4-4B	30 X 12	2.50	MOUNT BELOW EXISTING STOP SIGN
TOTAL				5.00	

TRAFFIC CONTROL ITEMS

CATEGORY	LOCATION	DAYS	643.0300 TRAFFIC CONTROL DRUMS NO.	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0410 TRAFFIC CONTROL BARRICADES TYPE II NO.	643.0410 TRAFFIC CONTROL BARRICADES TYPE II DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III NO.	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A NO.	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0900 TRAFFIC CONTROL SIGNS NO.	643.0900 TRAFFIC CONTROL SIGNS DAY
0010												
	PROJECT	95	--	--	--	--	--	--	--	--	48	4,560
	CULVERT REPLACEMENTS	10	28	280	--	--	--	--	--	--	27	270
	CURB & GUTTER/CURB RAMP REPLACEMENTS	50	160	8,000	12	600	72	3,600	84	4,200	24	1,200
	MILLING AND PAVING	20	--	--	--	--	--	--	--	--	22	440
TOTALS				8,280		600		3,600		4,200		6,470

TEMPORARY PEDESTRIAN ACCOMODATION ITEMS

CATEGORY	LOCATION	DAYS	644.1420 TEMPORARY PEDESTRIAN SURFACE PLYWOOD SF	644.1601 TEMPORARY PEDESTRIAN CURB RAMP NO.	644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAY	COMMENTS
0010						
	PARK ST	20	--	4	80	DURING WINKLER RD, LAKE DR, PARK ST, AND FORST ST CLOSURES
	FOREST ST	10	--	2	20	DURING FOREST ST AND NELSON ST CLOSURES
	NELSON ST	5	--	1	5	DURING ANDERSON ST (S) CLOSURE
	EAST SCHOOL ST	10	--	4	40	DURING EAST SCHOOL ST CLOSURE
	ANDERSON ST (N)	5	175	2	10	DURING ANDERSON ST (N) CLOSURE
TOTALS			175		155	

TRAFFIC CONTROL SIGNS FIXED MESSAGE

CATEGORY	LOCATION	SIGN SIZE W X H FT X FT	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	SIGN MESSAGE
0010				
	SOUTH PROJECT LIMIT	6' X 3'	18.00	HWY 45 / ROAD WORK / BEGINS XX-XX
	NORTH PROJECT LIMIT	6' X 3'	18.00	HWY 45 / ROAD WORK / BEGINS XX-XX
TOTAL			36.00	

3

PERMANENT MARKING ITEMS

CATEGORY	STATION	TO	STATION	646.1020 MARKING LINE EPOXY 4-INCH 12.5' LINE 37.5' SKIP YELLOW LF	646.1020 MARKING LINE EPOXY 4-INCH SOLID YELLOW LF	646.1020 MARKING LINE EPOXY 4-INCH 3' LINE 9' SKIP WH ITE LF	646.1020 MARKING LINE EPOXY 4-INCH 12.5' LINE 37.5' SKIP WHITE LF	646.1020 MARKING LINE EPOXY 4-INCH SOLID WHITE LF	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH 3' LINE 9' SKIP WH ITE LF	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH SOLID WHITE LF	646.3020 MARKING LINE EPOXY 8-INCH 3' LINE 9' SKIP WH ITE LF	646.3020 MARKING LINE EPOXY 8-INCH SOLID WHITE LF	646.4520 MARKING LINE SAME DAY EPOXY 4-INCH SOLID YELLOW LF	646.6464 COLD WEATHER MARKING EPOXY 4-INCH 12.5' LINE 37.5' SKIP YELLOW LF	646.6468 COLD WEATHER MARKING EPOXY 8-INCH 3' LINE 9' SKIP WH ITE LF
0010															
	873+76	-	891+17	--	--	33	63	3,358	--	--	39	179	3,482	--	--
	891+17	-	929+05	--	--	--	--	--	--	--	--	182	7,451	--	--
	929+05	-	1149+56	4,600	15,296	--	--	--	270	42,080	--	--	467	--	--
	PROJECT			--	--	--	--	--	--	--	--	--	--	8,000	400
SUBTOTALS				4,600	15,296	33	63	3,358	270	42,080	39	361	11,400	8,000	400
TOTALS				23,350					42,350		400		11,400	8,000	400

TEMPORARY MARKING ITEMS

CATEGORY	STATION	TO	STATION	646.9000 MARKING REMOVAL LINE 4-INCH SOLID YELLOW LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH 4' LINE 46' SKIP YELLOW LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH SOLID YELLOW LF	649.0120 TEMPORARY MARKING LINE EPOXY 4-INCH 12.5' LINE 37.5' SKIP YELLOW LF	649.0120 TEMPORARY MARKING LINE EPOXY 4-INCH SOLID YELLOW LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH SOLID YELLOW LF
0010									
	873+76	-	891+17	--	--	3,482	--	--	--
	891+17	-	929+05	--	--	7,451	--	--	--
	911+35	-	916+55	1,040	--	--	--	--	2,080
	922+25	-	928+75	1,300	--	--	--	--	1,300
	929+05	-	1149+56	--	1,472	15,765	4,600	15,300	--
SUBTOTALS				2,340	1,472	26,698	4,600	15,300	3,380
TOTALS				2,340	28,170		19,900		3,380

MISCELLANEOUS PAVEMENT MARKING ITEMS

CATEGORY	STATION	TO	STATION	646.5020 MARKING ARROW EPOXY WHITE EACH	646.5120 MARKING WORD EPOXY WHITE EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH WHITE LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH WHITE LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE LF	646.8320 MARKING PARKING STALL EPOXY WHITE LF
0010									
	873+76	-	891+17	2	1	34	--	--	--
	891+17	-	929+05	--	--	226	20	1,500	660
TOTALS				2	1	260	20	1,500	660

LOCATING NO-PASSING ZONES

CATEGORY	STATION	TO	STATION	648.0100 LOCATING NO-PASSING ZONES MI
0010				
	929+00	-	1149+56	4.18
TOTAL				4.18

SAWING ITEMS

CATEGORY	STATION	TO	STATION	OFFSET	690.0150* SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
0010						
	882+72	-	883+88	LT&RT	360	--
	891+17	-	929+05	LT&RT	8,510	375
	962+20	-	963+35	LT&RT	60	--
	978+59	-	979+66	LT&RT	90	--
	1004+96	-	1006+10	LT&RT	60	--
	1052+14	-	1053+24	LT&RT	60	--
CATEGORY 0010 TOTALS					9,140	375
0020						
	925+43	-	925+59	LT	60	--
CATEGORY 0020 TOTALS					60	--
TOTALS					9,200	375

NOTE:
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

WATER VALVE AND SANITARY MANHOLE ADJUSTMENT ITEMS

CATEGORY	STATION	OFFSET	204.0110* REMOVING ASPHALTIC SURFACE SY	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	465.0110* ASPHALTIC SURFACE PATCHING TON	611.8120.S* COVER PLATES TEMPORARY EACH	690.0150* SAWING ASPHALT LF	SPV.0060.06 ADJUSTING WATER VALVE BOXES EACH	SPV.0060.07 ADJUSTING SANITARY MANHOLE COVERS EACH
0030									
	892+86	LT	1	1	0.5	--	12	1	--
	896+49	RT	--	--	--	--	--	1	--
	896+58	RT	--	--	--	--	--	1	--
	896+82	RT	4	3	1.5	1	24	--	1
	899+04	RT	4	3	1.5	1	24	--	1
	903+96	LT	4	3	1.5	1	24	--	1
	906+14	RT	4	3	1.5	1	24	--	1
	907+56	LT	1	1	0.5	--	12	1	--
	907+66	RT	4	3	1.5	1	24	--	1
	914+21	RT	1	1	0.5	--	12	1	--
	918+90	RT	1	1	0.5	--	12	1	--
	924+91	RT	1	1	0.5	--	12	1	--
	929+39	LT	4	3	1.5	1	24	--	1
	930+15	RT	1	1	0.5	--	12	1	--
TOTALS			30	24	12.0	6	216	8	6

NOTE:
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

LIGHTING ITEMS

CATEGORY	FROM	TO	OFFSET	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH	655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG LF	SPV.0060.08 REMOVE AND REINSTALL STREET LIGHT ASSEMBLY EACH	SPV.0060.09 CONCRETE BASES FOR DECORATIVE STREET LIGHTS EACH
0010									
	SL 100	SL 101	RT	10	1	120	180	--	--
	SL 101	PB 102	RT	10	1	--	--	1	1
	SL 110	SL 111	LT	10	1	120	180	--	--
	SL 111	PB 112	LT	15	1	160	225	1	1
TOTALS				45	4	400	585	2	2

NOTE:
SEE CONCRETE SIDEWALK ITEMS SPREADSHEET FOR ADJUSTING PULL BOX QUANTITES

CONSTRUCTION STAKING ITEMS

CATEGORY	STATION	TO	STATION	OFFSET	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.8500 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (1600-28-61) LS	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (1600-28-61) LS	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
0010											
	873+76	-	891+17	LT&RT	--	--	--	1,741	--	--	--
	881+78	-	885+80	LT&RT	--	--	1	--	--	--	402
	891+17	-	929+05	LT&RT	3	7,580	--	3,788	--	--	--
	929+05	-	1149+56	LT&RT	--	--	--	22,051	--	--	--
	960+90	-	964+60	LT&RT	--	--	2	--	--	--	--
	978+30	-	980+30	LT&RT	--	--	1	--	--	--	--
	1003+90	-	1007+20	LT&RT	--	--	2	--	--	--	--
	1050+70	-	1054+20	LT&RT	--	--	1	--	--	--	--
	PROJECT			--	--	--	--		1	1	--
CATEGORY 0010 TOTALS					3	7,580	7	27,580	1	1	402
0020											
	925+43	-	925+59	LT	1	--	--	--			--
CATEGORY 0020 TOTALS					1	--	--	--	--	--	--
TOTALS					4	7,580	7	27,580	1	1	402

EXISTING LAND PARCEL MONUMENT ITEMS

CATEGORY	STATION	TO	STATION	OFFSET	SPV.0060.04 RESEARCH AND LOCATE EXISTING LAND PARCEL MONUMENTS EACH	SPV.0060.05 VERITY AND REPLACE EXISTING LAND PARCEL MONUMENTS EACH
0010						
	891+17	-	929+05	LT&RT	47	47
TOTALS					47	47

3

PROTECTIVE THERMOPLASTIC COATING AT SNOWMOBILE CROSSINGS

CATEGORY	STATION	OFFSET	SPV.0180.02 PROTECTIVE THERMOPLASTIC COATING AT SNOWMOBILE CROSSINGS SY
0010			
	925+02	LT&RT	70
	978+43	LT&RT	100
	1070+12	LT&RT	90
TOTAL			260

SHREDDED HARDWOOD BARK MULCH

CATEGORY	STATION	TO	STATION	OFFSET	SPV.0180.03 SHREDDED HARDWOOD BARK MULCH SY
0010					
	919+30	-	919+75	LT	50
TOTAL					50

COMPOSITE DRAWING, ORIGINAL IS FILED IN THE ONEIDA COUNTY REGISTER OF DEEDS OFFICE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
1600-28-21
MONICO - EAGLE RIVER
STH 32 TO VILAS COUNTY LINE
USH 45
ONEIDA COUNTY

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

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED) IP

	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

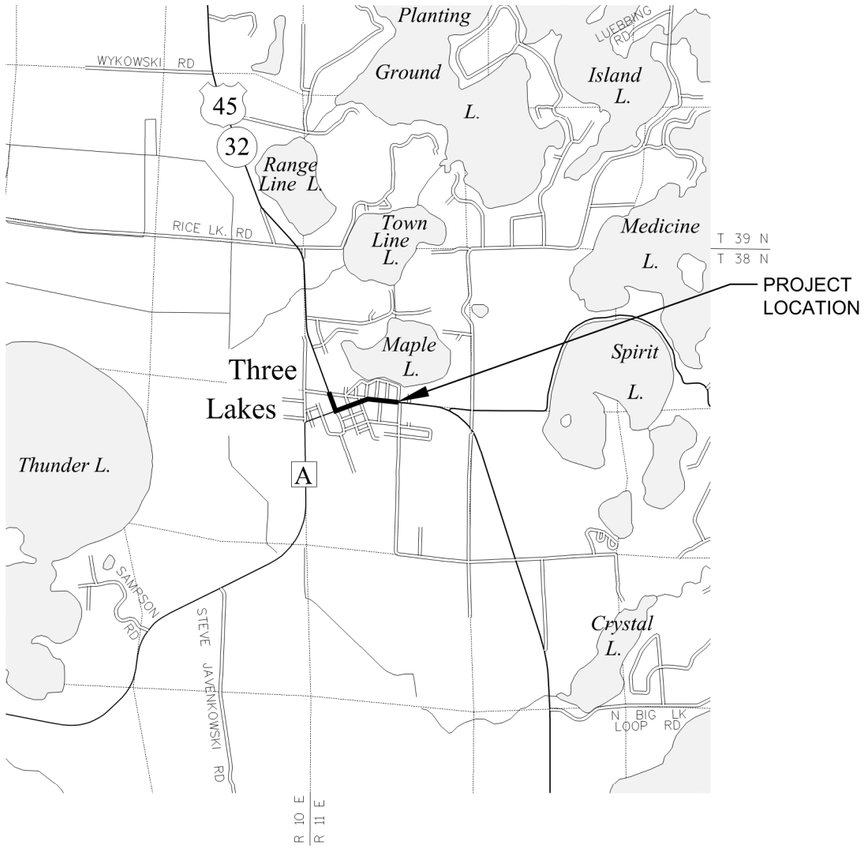
ACCESS RIGHTS	AR	POINT OF INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	RECORDED AS	(100')
ALUMINUM	ALUM	REEL / IMAGE	R/I
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CENTERLINE	C/L	RIGHT	RT
CERTIFIED SURVEY MAP	CSM	RIGHT OF WAY	R/W
CONCRETE	CONC	SECTION	SEC
COUNTY	CO	SEPTIC VENT	SEPV
COUNTY TRUNK HIGHWAY	CTH	SQUARE FEET	SF
DISTANCE	DIST	STATE TRUNK HIGHWAY	STH
CORNER	COR	STATION	STA
DOCUMENT NUMBER	DOC	TELEPHONE PEDESTAL	TP
EASEMENT	EASE	TEMPORARY LIMITED EASEMENT	TLE
EXISTING	EX	TRANSPORTATION PROJECT PLAT	TPP
GAS VALVE	GV	UNITED STATES HIGHWAY	USH
GRID NORTH	GN	VOLUME	V
HIGHWAY EASEMENT	HE		
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		
POINT OF COMPOUND CURVE	PCC		

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	△/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

W — WATER
G — GAS
T — TELEPHONE
OH — OVERHEAD TRANSMISSION LINES
E — ELECTRIC
TV — CABLE TELEVISION
FO — FIBER OPTIC
SAN — SANITARY SEWER
SS — STORM SEWER



GN

LAYOUT
SCALE 0 0.5 MI.

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 1600-28-21

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ONEIDA 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.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

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.

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PROJECT NUMBER 1600-28-21 - 4. 01
SHEET 2 OF 2
AMENDMENT NO:

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\TPP\040100-RP.DWG
LAYOUT NAME: 01
PLOT DATE : 9/16/2015 3:04 PM
PLOT BY : DREW NELSON
PLOT NAME : _____
APPRAISAL PLAT DATE : 09/24/2020
1600-28-21 4.01

COMPOSITE DRAWING, ORIGINAL IS FILED IN THE ONEIDA COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1600-28-21-4.01

BEING PART OF LOT 5, BLOCK 4 OF THE PLAT OF THREE LAKES LOCATED IN PART OF THE NE1/4 OF THE NW1/4 OF SECTION 7 AND BEING PART OF LOT 11, BLOCK 43 AND ALL OF VACATED SOBIESKI AVENUE OF LAKESIDE PARK ADDITION LOCATED IN PART OF GOVERNMENT LOT 5 OF SECTION 6, ALL IN TOWNSHIP 38 NORTH, RANGE 11 EAST, TOWN OF THREE LAKES, ONEIDA COUNTY, WISCONSIN

RELOCATION ORDER - USH 45, MONICO - EAGLE RIVER, STH 32 TO VILAS COUNTY LINE, ONEIDA COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

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 INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ FT REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
1	KRIST OIL COMPANY	FEE/TLE	8	---	8	126
2	BRITTA HOOPER	TLE	---	---	---	95

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP718	223503.330	327175.008	1.25" OD IRON PIPE
IP720	223518.422	327037.530	1.25" OD IRON PIPE
IP721	223509.564	327121.084	1.25" OD IRON PIPE
IP727	223493.670	327260.847	1.25" OD IRON PIPE

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ONEIDA 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.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY $\frac{3}{4}$" X 24" 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 USH 45: LAKESIDE PARK ADDITION, PLAT OF THREE LAKES, CSM 4600, CSM 4829, AND EXISTING CENTERLINE.

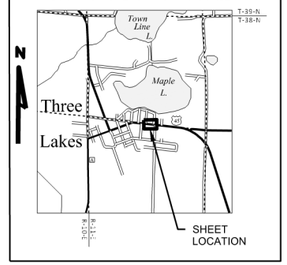
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR WINKLER RD: PLAT OF THREE LAKES, AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR LAKE DR: LAKESIDE PARK ADDITION, AND EXISTING CENTERLINE.

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
100	899+73.26	-0.16'
101	899+73.26	0.00'
102	899+73.29	32.84'
103	896+99.20	33.00'
104	896+66.17	0.00'
105	896+65.94	-0.23'
106	896+33.04	-33.57'
107	896+32.71	-38.09'
108	896+36.72	-33.53'
109	899+73.23	-33.16'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE115	897+23.00	32.99'
TLE116	897+23.00	37.00'
TLE117	896+99.17	37.00'
TLE118	896+31.98	-48.00'
TLE119	896+51.63	-33.38'

LOCATION SKETCH NOT TO SCALE



Doc No: 810831
Recorded on
9/25/2020 2:11 PM
KYLE J FRANSON
REGISTER OF DEEDS
ONEIDA COUNTY, WI
Fee Amount:

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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1600-28-21-4.01
SHEET 1 OF 2
AMENDMENT NO:___

SCALE, FEET 0 20 40

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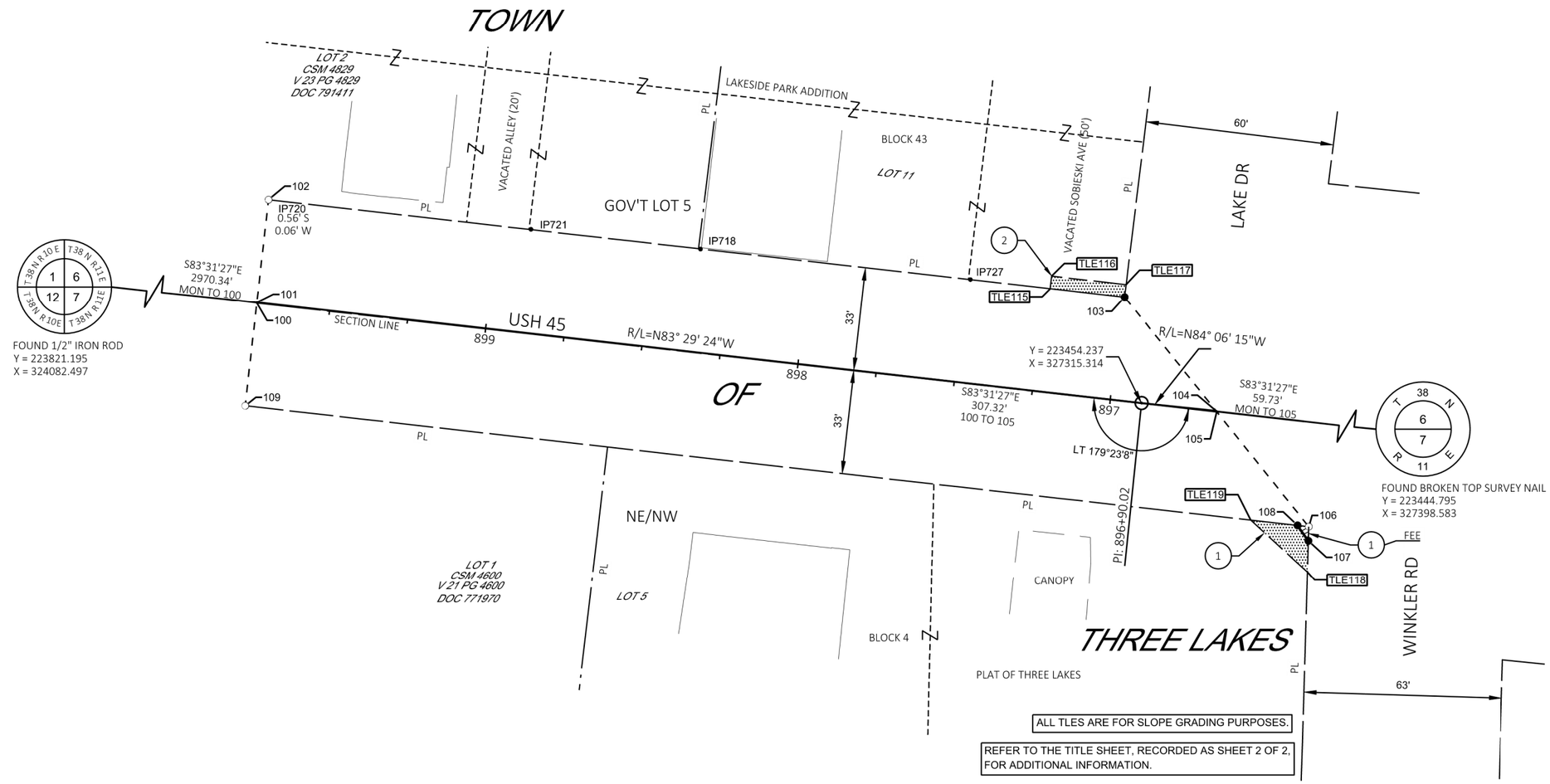

COURSE TABLE		
COURSE	BEARING	DISTANCE
100-101	N06° 27' 37"E	.16'
101-102	N06° 27' 37"E	32.84'
102-103	S83° 31' 27"E	274.09'
103-104	S38° 43' 48"E	46.51'
104-105	S38° 43' 48"E	.33'
105-106	S38° 43' 48"E	46.84'
106-107	S01° 42' 10"W	4.53'
107-108	N35° 25' 58"W	6.07'
108-109	N83° 31' 27"W	336.87'
109-100	N06° 27' 37"E	33.00'

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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 DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 9/24/2020
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
NORTH CENTRAL- RHINELANDER
SIGNATURE: Brent L Stella DATE: 9-24-20
PRINT NAME: Brent L Stella

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, FOR ADDITIONAL INFORMATION.

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\TPP\040101-RP.DWG
APPRAISAL PLAT DATE : 10/20/2020
PLOT DATE : 10/20/2020 8:55 AM
PLOT BY : DREW NELSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

COMPOSITE DRAWING, ORIGINAL IS FILED IN THE ONEIDA COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1600-28-21-4.02

BEING PART OF LOT 1 OF CSM 4600 LOCATED IN PART OF THE NE1/4 OF THE NW1/4 OF SECTION 7 AND PART OF LOTS 12 AND 13 OF BLOCK 42 OF LAKESIDE PARK ADDITION AND PART OF LOT 2 OF CSM 4829 LOCATED IN PART OF GOVERNMENT LOT 5 OF SECTION 6, ALL IN TOWNSHIP 38 NORTH, RANGE 11 EAST, TOWN OF THREE LAKES, ONEIDA COUNTY, WISCONSIN

RELOCATION ORDER - USH 45, MONICO - EAGLE RIVER, STH 32 TO VILAS COUNTY LINE, ONEIDA COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ONEIDA 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.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY $\frac{3}{4}$" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

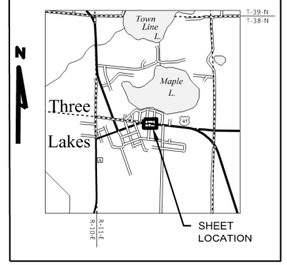
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR USH 45: CAMPBELL'S SUBDIVISION OF LOT 3, BLOCK 4 & BLOCK 9 OF ORIGINAL PLAT OF THREE LAKES, LAKESIDE PARK ADDITION, PLAT OF THREE LAKES, CSM 4829, CSM 4600, AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR PARK ST: LAKESIDE PARK ADDITION, CSM 4829, AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR FOREST ST: PLAT OF THREE LAKES, CAMPBELL'S SUBDIVISION OF LOT 3, BLOCK 4 & BLOCK 9 OF ORIGINAL PLAT OF THREE LAKES, CSM 4600, AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR NELSON ST: LAKESIDE PARK ADDITION, AND EXISTING CENTERLINE.

LOCATION SKETCH NOT TO SCALE



Doc No: 811772
Recorded on
10/14/2020 8:40 AM
KYLE J FRANSON
REGISTER OF DEEDS
ONEIDA COUNTY, WI
Fee Amount:

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PROJECT NUMBER 1600-28-21-4.02
AMENDMENT NO:___

SCALE, FEET 0 20 40

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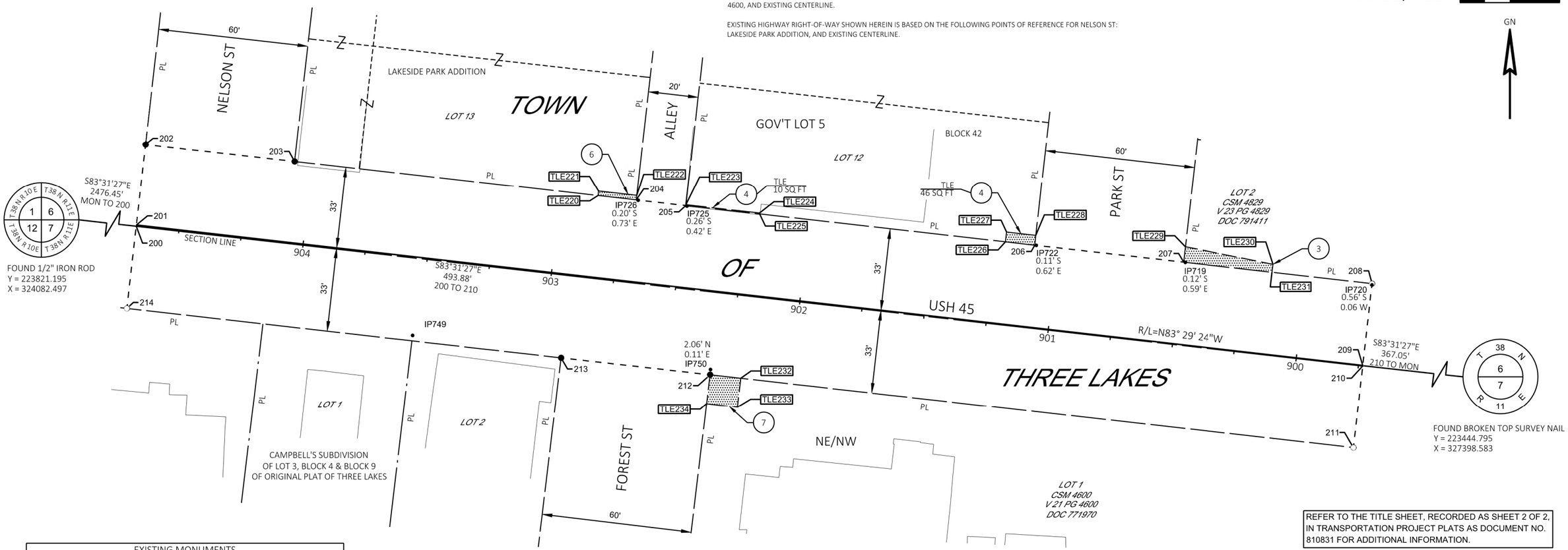

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP719	223527.423	326962.728	1.25" OD IRON PIPE
IP720	223518.422	327037.530	1.25" OD IRON PIPE
IP722	223534.202	326903.141	1.25" OD IRON PIPE
IP725	223549.885	326763.436	1.0" OD IRON PIPE
IP726	223552.208	326743.874	1.0" OD IRON PIPE
IP749	223498.318	326653.718	0.5" OD IRON PIPE
IP750	223484.684	326772.799	1.25" OD IRON PIPE (AT BASE)

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 INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ FT REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
3	BOARDWALK NORTH, LLC	TLE	---	---	---	168
4	THREE LAKES TOWNSHIP	TLE	---	---	---	56
6	JACQUELINE M WALKER	TLE	---	---	---	28
7	CONGREGATION OF ST. THERESA	TLE	---	---	---	145

COURSE TABLE		
COURSE	BEARING	DISTANCE
200-201	N06° 30' 27"E	.46'
201-202	N06° 30' 27"E	32.54'
202-203	S83° 31' 27"E	60.00'
203-204	S83° 31' 27"E	137.51'
204-205	S83° 31' 27"E	20.00'
205-206	S83° 31' 27"E	140.40'
206-207	S83° 31' 27"E	60.00'
207-208	S83° 31' 27"E	75.94'
208-209	S06° 27' 37"W	32.84'
209-210	S06° 27' 37"W	.16'
210-211	S06° 27' 37"W	33.00'
211-212	N83° 31' 27"W	259.13'
212-213	N83° 31' 27"W	60.00'
213-214	N83° 31' 27"W	174.78'
214-200	N06° 30' 27"E	33.00'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE220	902+85.00	32.65'
TLE221	902+85.00	34.50'
TLE222	902+69.63	34.50'
TLE223	902+49.63	33.00'
TLE224	902+20.00	33.02'
TLE225	902+20.00	32.69'
TLE226	901+21.00	32.75'
TLE227	901+21.00	36.66'
TLE228	901+09.23	36.67'
TLE229	900+49.23	39.00'
TLE230	900+13.50	36.00'
TLE231	900+13.50	32.82'
TLE232	902+20.00	-33.31'
TLE233	902+20.00	-45.00'
TLE234	902+32.43	-45.00'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
200	904+67.14	-0.46'
201	904+67.14	0.00'
202	904+67.14	32.54'
203	904+07.14	32.58'
204	902+69.63	32.66'
205	902+49.63	32.68'
206	901+09.23	32.76'
207	900+49.23	32.80'
208	899+73.29	32.84'
209	899+73.26	0.00'
210	899+73.26	-0.16'
211	899+73.23	-33.16'
212	902+32.36	-33.32'
213	902+92.36	-33.35'
214	904+67.14	-33.46'

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 810831 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

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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 DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 10/13/2020
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
NORTH CENTRAL- RHINELANDER
SIGNATURE: Brent L Stella DATE: 10-13-20
PRINT NAME: Brent L Stella

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\TPP\040102-RP.DWG
APPRAISAL PLAT DATE : 10/20/2020
PLOT DATE : 10/20/2020 8:55 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

1600-28-21 4.02

COMPOSITE DRAWING, ORIGINAL IS FILED IN THE ONEIDA COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1600-28-21-4.03

BEING PART OF LOT 1, BLOCK 4 AND PART OF BLOCK 16 OF THE PLAT OF THREE LAKES LOCATED IN PART OF THE NE1/4 OF THE NW1/4 OF SECTION 7 AND PART OF LOTS 1 AND 2 OF CSM 4255 LOCATED IN PART OF GOVERNMENT LOT 5 OF SECTION 6, ALL IN TOWNSHIP 38 NORTH, RANGE 11 EAST, TOWN OF THREE LAKES, ONEIDA COUNTY, WISCONSIN

RELOCATION ORDER - USH 45, MONICO - EAGLE RIVER, STH 32 TO VILAS COUNTY LINE, ONEIDA COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ONEIDA 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.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY $\frac{3}{4}$" X 24" 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 USH 45: PLAT OF THREE LAKES, CSM 4255, AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR ANDERSON ST: PLAT OF THREE LAKES, AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR HUFFMAN ST: CSM 4255, AND EXISTING CENTERLINE.

LOCATION SKETCH NOT TO SCALE

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KYLE J FRANSON
REGISTER OF DEEDS
ONEIDA COUNTY, WI
Fee Amount:

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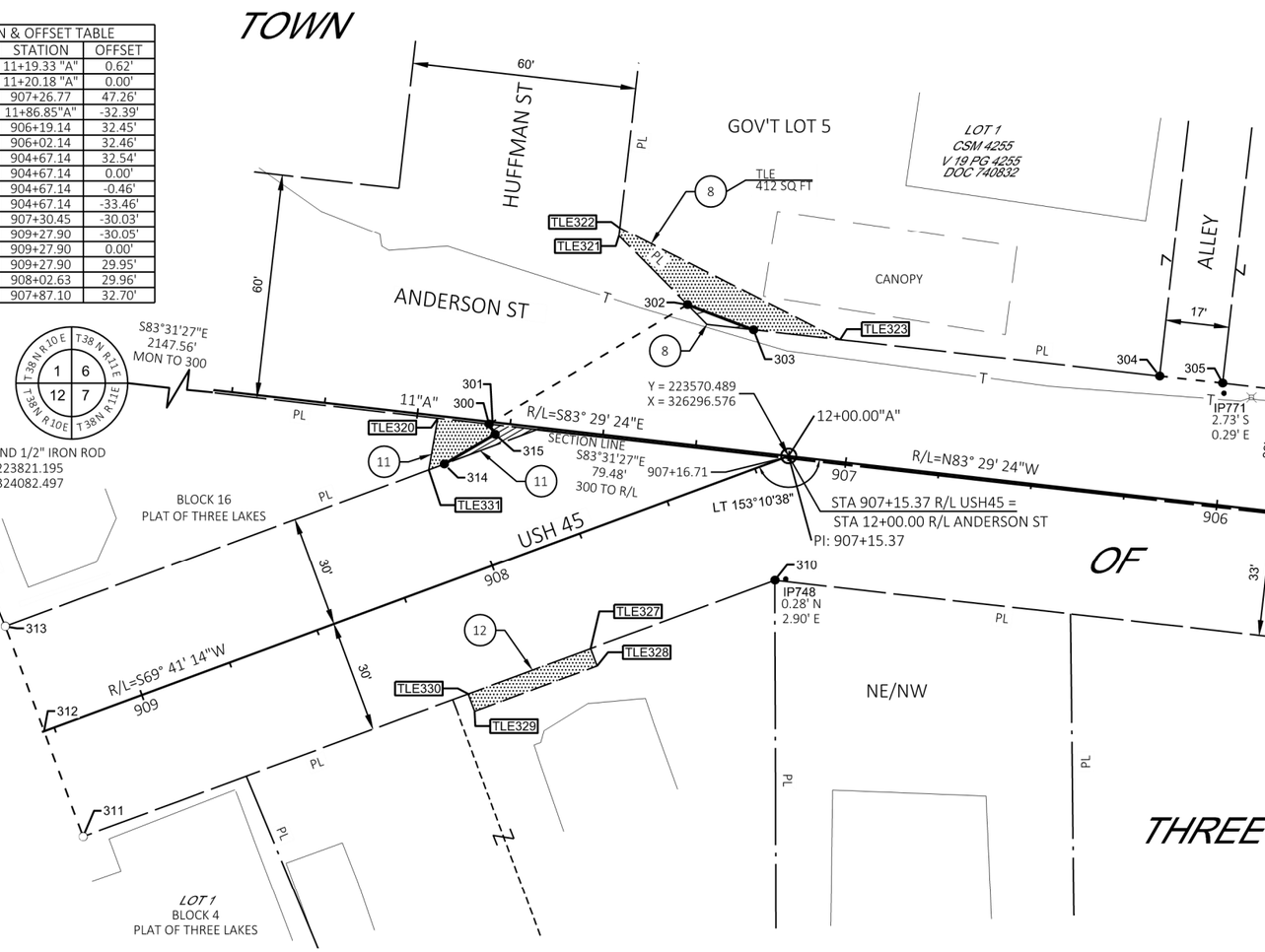
PROJECT NUMBER 1600-28-21-4.03
AMENDMENT NO:___

SCALE, FEET 0 20 40

GN

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE320	908+00.00	42.05'
TLE321	907+37.55	70.95'
TLE322	907+36.60	72.84'
TLE323	907+05.17	32.40'
TLE324	904+92.00	32.53'
TLE325	904+92.00	36.50'
TLE326	904+67.14	36.50'
TLE327	907+83.00	-30.04'
TLE328	907+83.00	-35.00'
TLE329	908+18.00	-35.00'
TLE330	908+18.00	-30.04'
TLE331	907+07.00	29.96'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
300	11+19.33 "A"	0.62'
301	11+20.18 "A"	0.00'
302	907+26.77	47.26'
303	11+86.85"A"	-32.39'
304	906+19.14	32.45'
305	906+02.14	32.46'
306	904+67.14	32.54'
307	904+67.14	0.00'
308	904+67.14	-0.46'
309	904+67.14	-33.46'
310	907+30.45	-30.03'
311	909+27.90	-30.05'
312	909+27.90	0.00'
313	909+27.90	29.95'
314	908+02.63	29.96'
315	907+87.10	32.70'



COURSE TABLE		
COURSE	BEARING	DISTANCE
300-301	N59° 02' 42"E	1.07'
301-302	N59° 02' 42"E	60.88'
302-303	S69° 17' 06"E	18.93'
303-304	S83° 31' 27"E	109.38'
304-305	S83° 31' 27"E	17.00'
305-306	S83° 31' 27"E	135.00'
306-307	S06° 30' 27"W	32.54'
307-308	S06° 30' 27"W	0.46'
308-309	S06° 30' 27"W	33.00'
309-310	N83° 31' 27"W	248.14'
310-311	S69° 40' 52"W	197.45'
311-312	N20° 19' 08"W	30.05'
312-313	N20° 19' 08"W	29.95'
313-314	N69° 40' 52"E	125.27'
314-315	N59° 41' 31"E	15.77'
315-300	N30° 18' 29"W	3.17'

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 810831 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

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 INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ FT REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
8	THREE LAKES CONVENIENCE STORE	FEE/TLE	29	---	29	511
11	PETER J BALTUS TRUST	FEE/TLE	53	---	53	134
12	JEFFREY B BOEHM	TLE	---	---	---	174

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP748	223537.374	326295.757	1.0" OD IRON PIPE
IP771	223587.175	326413.044	1.0" OD IRON PIPE

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	FRONTIER NORTH INC. (COMMUNICATION)	RELEASE OF RIGHTS

(201) FRONTIER NORTH INC. (COMMUNICATION)
V 608 P 97-98 DOC 380297 - PAR 8
V 136 P 22 DOC 102466 - PAR 8
V 122 P 82-83 DOC 88693 - PAR 12

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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 DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 10/16/2020
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
NORTH CENTRAL- RHINELANDER
SIGNATURE: Brent L Stella DATE: 10-19-20
PRINT NAME: Brent L Stella

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\TPP\040103-RP.DWG
APPRAISAL PLAT DATE : 10/20/2020
PLOT DATE : 10/20/2020 8:55 AM
PLOT BY : DREW NELSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

1600-28-21 4.03

COMPOSITE DRAWING, ORIGINAL IS FILED IN THE ONEIDA COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1600-28-21-4.04

BEING PART OF LOT 7 BLOCK 3, LOT 1 BLOCK 6 OF THE PLAT OF THREE LAKES AND PART OF LOT 1 OF CSM 4495 LOCATED IN PART OF THE FRACTIONAL NW1/4 OF THE NW1/4 AND PART OF LOT 1 BLOCK 4, LOT 2 BLOCK 3, BLOCK 16, LOT 6 BLOCK 6 OF THE PLAT OF THREE LAKES LOCATED IN PART OF THE NE1/4 OF THE NW1/4, ALL IN SECTION 7, TOWNSHIP 38 NORTH, RANGE 11 EAST, TOWN OF THREE LAKES, ONEIDA COUNTY, WISCONSIN

RELOCATION ORDER - USH 45, MONICO - EAGLE RIVER, STH 32 TO VILAS COUNTY LINE, ONEIDA COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ONEIDA 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.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

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.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR USH 45: PLAT OF THREE LAKES, CSM 4495, CSM 3144, AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR E. SCHOOL ST: PLAT OF THREE LAKES, AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR W. SCHOOL ST: PLAT OF THREE LAKES, CSM 4495, AND EXISTING CENTERLINE.

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
400	915+46.05	0.00'
401	915+46.06	29.88'
402	914+60.58	29.89'
403	914+00.57	29.90'
405	910+37.99	29.94'
406	909+77.94	29.94'
407	909+27.90	29.95'
408	909+27.90	0.00'
409	909+27.90	-30.05'
410	909+80.00	-30.06'
411	909+81.27	-32.00'
412	910+41.40	-30.06'
414	913+97.62	-30.10'
415	914+01.15	-33.83'
416	914+61.17	-30.11'
417	915+46.03	-30.12'

LOCATION SKETCH NOT TO SCALE

SCALE, FEET 0 20 40

Doc No: 812002
Recorded on
10/19/2020 2:31 PM
KYLE J FRANSON
REGISTER OF DEEDS
ONEIDA COUNTY, WI
Fee Amount:

This document has been electronically recorded

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1600-28-21-4.04
AMENDMENT NO:___
SHEET 1 OF 2

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	FRONTIER NORTH INC. (COMMUNICATION)	RELEASE OF RIGHTS
202	WISCONSIN PUBLIC SERVICE CORPORATION (GAS)	RELEASE OF RIGHTS
203	WISCONSIN PUBLIC SERVICE CORPORATION (ELECTRIC)	RELEASE OF RIGHTS

(201) FRONTIER NORTH INC. (COMMUNICATION)
V 122 P 82-83 DOC 88693 - PAR 14

(202) WISCONSIN PUBLIC SERVICE CORPORATON (GAS)
NO RECORD OF EASEMENT - PAR 16

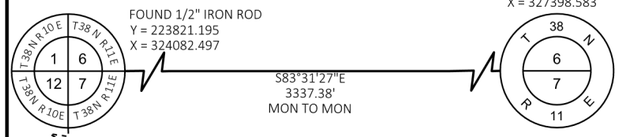
(203) WISCONSIN PUBLIC SERVICE CORPORATION (ELECTRIC)
V 122 P 17 DOC 88441 - PAR 16
V 122 P 7 DOC 88431 - PAR 19
V 122 PG 13 DOC 88437 - PAR 21

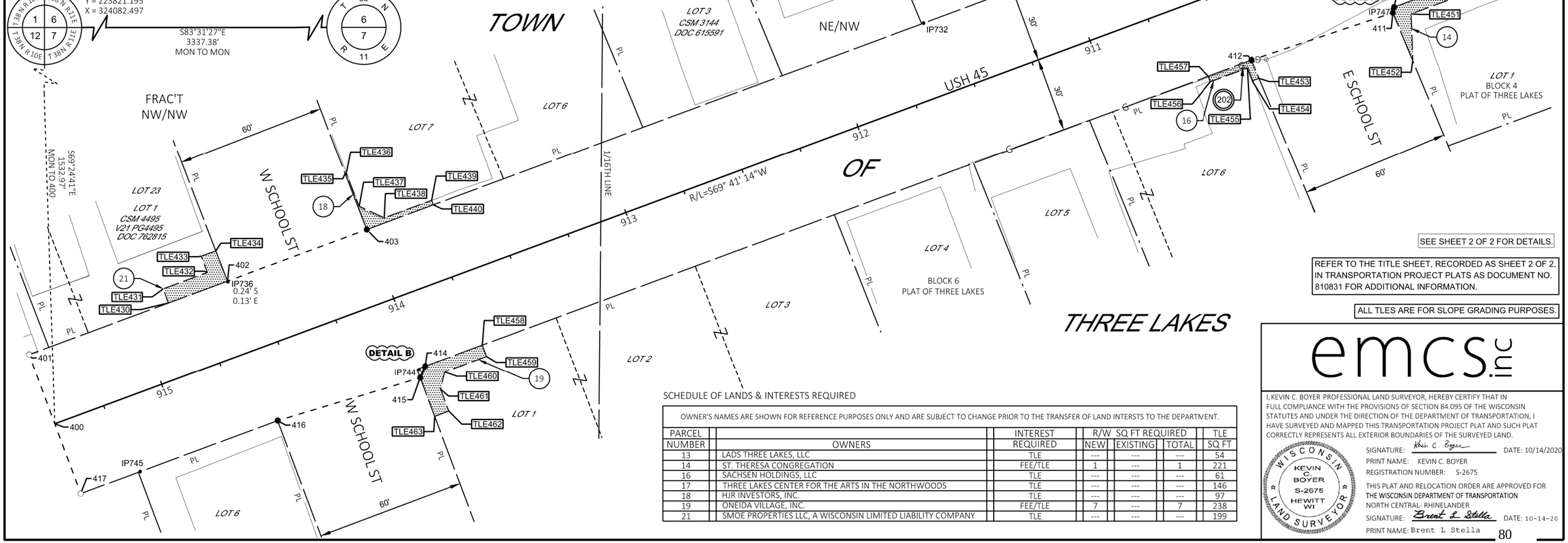
EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP728	223524.258	326084.054	1.0" OD IRON PIPE
IP731	223464.805	325924.777	1.00" OD IRON PIPE
IP732	223443.957	325868.532	1.00" OD IRON PIPE
IP736	223339.584	325587.456	1.0" OD IRON PIPE
IP744	223304.116	325664.723	.75" OD IRON PIPE
IP745	223262.771	325552.030	1.25" OD IRON PIPE
IP747	223449.808	326058.472	0.5" OD IRON PIPE

FOUND 1/2" IRON ROD
Y = 223821.195
X = 324082.497

S83°31'27"E
3337.38'
MON TO MON

FOUND BROKEN TOP SURVEY NAIL
Y = 223444.795
X = 327398.583





SEE SHEET 2 OF 2 FOR DETAILS.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 810831 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

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 INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ FT REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
13	LADS THREE LAKES, LLC	TLE	---	---	---	54
14	ST. THERESA CONGREGATION	FEE/TLE	1	---	1	221
16	SACHSEN HOLDINGS, LLC	TLE	---	---	---	61
17	THREE LAKES CENTER FOR THE ARTS IN THE NORTHWOODS	TLE	---	---	---	146
18	HJR INVESTORS, INC.	TLE	---	---	---	97
19	ONEIDA VILLAGE, INC.	FEE/TLE	7	---	7	238
21	SMOE PROPERTIES LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	---	---	---	199

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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 DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 10/14/2020
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
NORTH CENTRAL- RHINELANDER
SIGNATURE: Brent L Stella DATE: 10-14-20
PRINT NAME: Brent L Stella

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\TPP\040104-RP.DWG
APPRAISAL PLAT DATE : 10/20/2020
PLOT DATE : 10/20/2020 8:55 AM
PLOT BY : DREW NELSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

1600-28-21 4.04

COMPOSITE DRAWING, ORIGINAL IS FILED IN THE ONEIDA COUNTY REGISTER OF DEEDS OFFICE

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ONIEDA 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.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 810831 FOR ADDITIONAL INFORMATION.

TRANSPORTATION PROJECT PLAT NO: 1600-28-21-4.04
EXTENSION SHEET

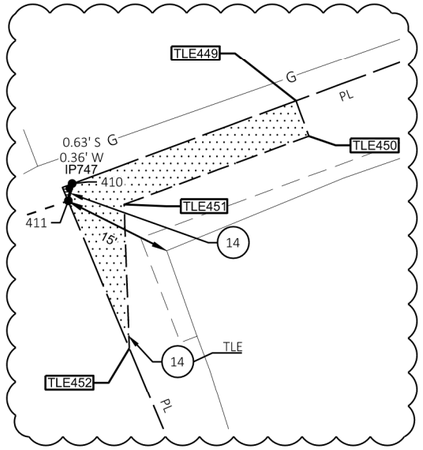
RELOCATION ORDER - USH 45, MONICO - EAGLE RIVER, STH 32 TO VILAS COUNTY LINE, ONEIDA COUNTY

4

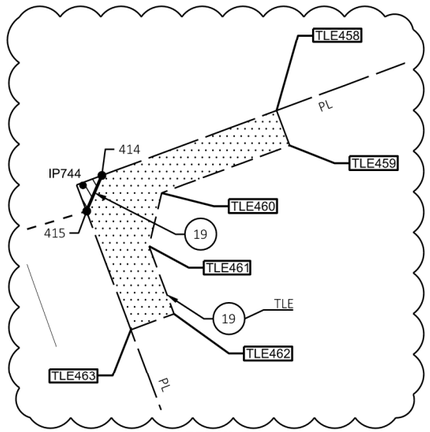
COURSE TABLE		
COURSE	BEARING	DISTANCE
400-401	N20° 20' 24"W	29.88'
401-402	N69° 40' 52"E	85.48'
402-403	N69° 40' 52"E	60.01'
403-405	N69° 40' 52"E	362.58'
405-406	N69° 40' 52"E	60.05'
406-407	N69° 40' 52"E	50.04'
407-408	S20° 19' 08"E	29.95'
408-409	S20° 19' 08"E	30.05'
409-410	S69° 40' 52"W	52.10'
410-411	S12° 53' 45"W	2.32'
411-412	S71° 31' 56"W	60.16'
412-414	S69° 40' 52"W	356.22'
414-415	S23° 08' 08"W	5.13'
415-416	S73° 13' 53"W	60.13'
416-417	S69° 40' 52"W	84.87'
417-400	N20° 20' 24"W	30.12'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE430	914+86.00	29.89'
TLE431	914+86.00	36.00'
TLE432	914+67.00	36.00'
TLE433	914+67.00	43.00'
TLE434	914+60.75	43.00'
TLE435	914+00.90	54.13'
TLE436	914+00.39	54.13'
TLE437	914+00.22	39.73'
TLE438	913+92.28	31.83'
TLE439	913+71.89	31.83'
TLE440	913+71.88	29.90'
TLE441	910+60.00	29.94'
TLE442	910+60.00	36.00'
TLE443	910+41.00	36.00'
TLE444	910+41.00	41.00'
TLE445	910+38.44	41.00'
TLE446	909+78.03	32.00'
TLE447	909+51.50	32.00'
TLE448	909+51.50	29.95'
TLE449	909+48.50	-30.05'
TLE450	909+48.50	-35.00'
TLE451	909+74.50	-35.00'
TLE452	909+80.42	-53.00'
TLE453	910+41.08	-38.00'
TLE454	910+44.00	-38.00'
TLE455	910+44.00	-32.50'
TLE456	910+60.00	-32.50'
TLE457	910+60.00	-30.07'
TLE458	913+73.00	-30.10'
TLE459	913+73.00	-35.00'
TLE460	913+91.00	-35.00'
TLE461	913+95.00	-41.00'
TLE462	913+95.00	-50.50'
TLE463	914+01.07	-50.50'

GN



DETAIL A



DETAIL B

4

TPP NUMBER 1600-28-21-4.04

SHEET 2 OF 2

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\TPP\040104-RP.DWG
APPRAISAL PLAT DATE : 10/20/2020

PLOT DATE : 10/20/2020 8:55 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : ##########

1600-28-21 4.04

COMPOSITE DRAWING, ORIGINAL IS FILED IN THE ONEIDA COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1600-28-21-4.05

BEING PART OF LOT 17, BLOCK 2 AND PART OF LOT 1 OF BLOCK 7 OF THE PLAT OF THREE LAKES LOCATED IN PART OF THE FRACTIONAL NW1/4 OF THE NW1/4 OF SECTION 7, TOWNSHIP 38 NORTH, RANGE 11 EAST, TOWN OF THREE LAKES, ONEIDA COUNTY, WISCONSIN

RELOCATION ORDER - USH 45, MONICO - EAGLE RIVER, STH 32 TO VILAS COUNTY LINE, ONEIDA COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

LOCATION SKETCH NOT TO SCALE

Doc No: 812003
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10/19/2020 2:32 PM
KYLE J FRANSON
REGISTER OF DEEDS
ONEIDA COUNTY, WI
Fee Amount:

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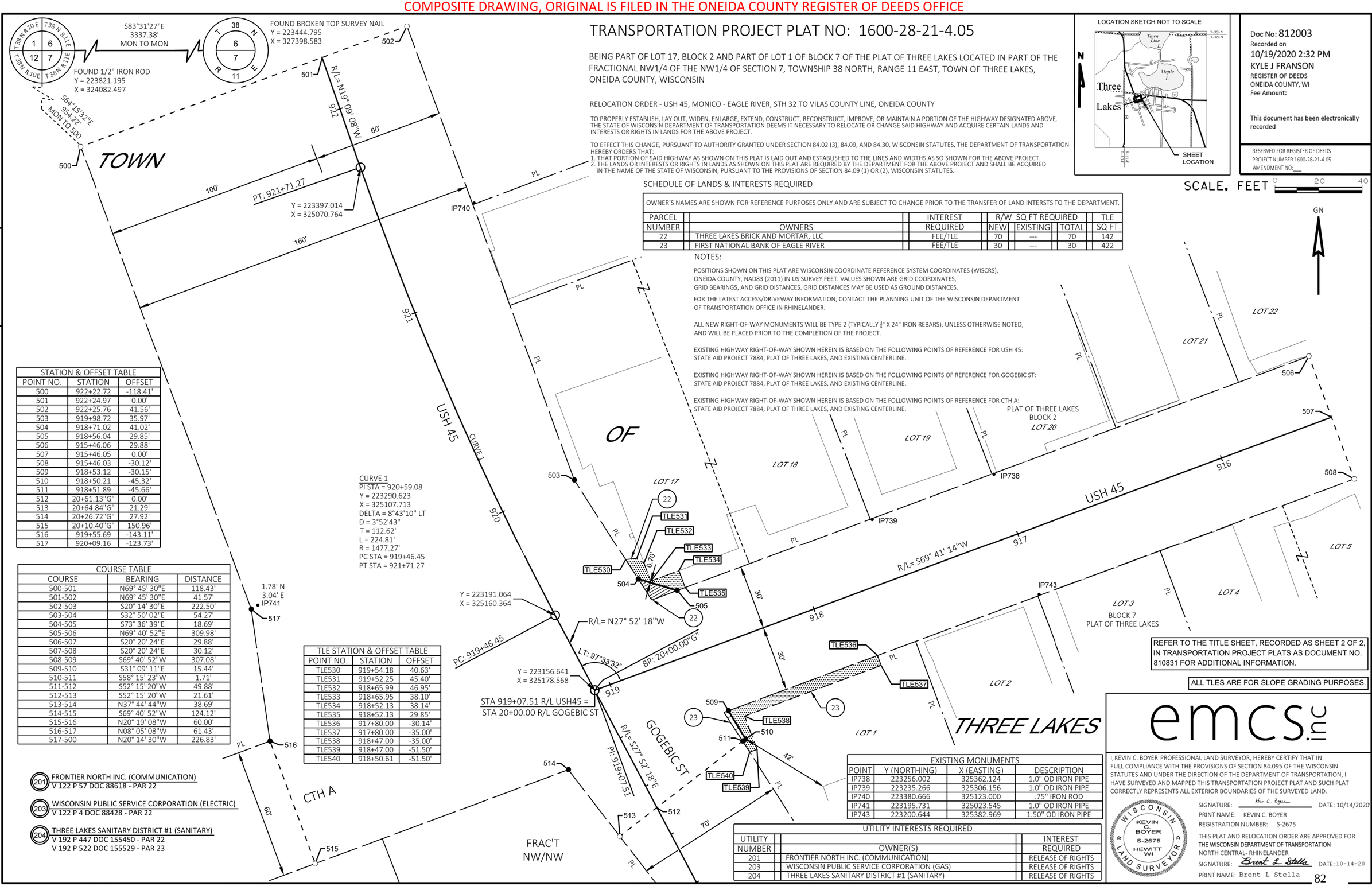
PROJECT NUMBER 1600-28-21-4.05
AMENDMENT NO:___

SCALE, FEET 0 20 40

GN



CURVE 1
PI STA = 920+59.08
Y = 223290.623
X = 325107.713
DELTA = 8°43'10" LT
D = 3°52'43"
T = 112.62'
L = 224.81'
R = 1477.27'
PC STA = 919+46.45
PT STA = 921+71.27

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
500	922+22.72	-118.41'
501	922+24.97	0.00'
502	922+25.76	41.56'
503	919+98.72	35.97'
504	918+71.02	41.02'
505	918+56.04	29.85'
506	915+46.06	29.88'
507	915+46.05	0.00'
508	915+46.03	-30.12'
509	918+53.12	-30.15'
510	918+50.21	-45.32'
511	918+51.89	-45.66'
512	20+61.13"G"	0.00'
513	20+64.84"G"	21.29'
514	20+26.72"G"	27.92'
515	20+10.40"G"	150.96'
516	919+55.69	-143.11'
517	920+09.16	-123.73'

COURSE TABLE		
COURSE	BEARING	DISTANCE
500-501	N69° 45' 30"E	118.43'
501-502	N69° 45' 30"E	41.57'
502-503	S20° 14' 30"E	222.50'
503-504	S32° 50' 02"E	54.27'
504-505	S73° 36' 39"E	18.69'
505-506	N69° 40' 52"E	309.98'
506-507	S20° 20' 24"E	29.88'
507-508	S20° 20' 24"E	30.12'
508-509	S69° 40' 52"W	307.08'
509-510	S31° 09' 11"E	15.44'
510-511	S58° 15' 23"W	1.71'
511-512	S52° 15' 20"W	49.88'
512-513	S52° 15' 20"W	21.61'
513-514	N37° 44' 44"W	38.69'
514-515	S69° 40' 52"W	124.12'
515-516	N20° 19' 08"W	60.00'
516-517	N08° 05' 08"W	61.43'
517-500	N20° 14' 30"W	226.83'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE530	919+54.18	40.63'
TLE531	919+52.25	45.40'
TLE532	918+65.99	46.95'
TLE533	918+65.95	38.10'
TLE534	918+52.13	38.14'
TLE535	918+52.13	29.85'
TLE536	917+80.00	-30.14'
TLE537	917+80.00	-35.00'
TLE538	918+47.00	-35.00'
TLE539	918+47.00	-51.50'
TLE540	918+50.61	-51.50'

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 INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ FT REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
22	THREE LAKES BRICK AND MORTAR, LLC	FEE/TLE	70	---	70	142
23	FIRST NATIONAL BANK OF EAGLE RIVER	FEE/TLE	30	---	30	422

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ONEIDA 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.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY $\frac{3}{4}$" X 24" 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 USH 45: STATE AID PROJECT 7884, PLAT OF THREE LAKES, AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR GOGEBIC ST: STATE AID PROJECT 7884, PLAT OF THREE LAKES, AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR CTH A: STATE AID PROJECT 7884, PLAT OF THREE LAKES, AND EXISTING CENTERLINE.

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP738	223256.002	325362.124	1.0" OD IRON PIPE
IP739	223235.266	325306.156	1.0" OD IRON PIPE
IP740	223380.666	325123.000	.75" IRON ROD
IP741	223195.731	325023.545	1.0" OD IRON PIPE
IP743	223200.644	325382.969	1.50" OD IRON PIPE

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	FRONTIER NORTH INC. (COMMUNICATION)	RELEASE OF RIGHTS
203	WISCONSIN PUBLIC SERVICE CORPORATION (GAS)	RELEASE OF RIGHTS
204	THREE LAKES SANITARY DISTRICT #1 (SANITARY)	RELEASE OF RIGHTS

201 FRONTIER NORTH INC. (COMMUNICATION)
V 122 P 57 DOC 88618 - PAR 22

203 WISCONSIN PUBLIC SERVICE CORPORATION (ELECTRIC)
V 122 P 4 DOC 88428 - PAR 22

204 THREE LAKES SANITARY DISTRICT #1 (SANITARY)
V 192 P 447 DOC 155450 - PAR 22
V 192 P 522 DOC 155529 - PAR 23

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 810831 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

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 DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

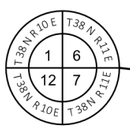
SIGNATURE: Kevin C. Boyer DATE: 10/14/2020
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
NORTH CENTRAL- RHINELANDER
SIGNATURE: Brent L Stella DATE: 10-14-20
PRINT NAME: Brent L Stella

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\TPP\040105-RP.DWG
APPRAISAL PLAT DATE : 10/20/2020
PLOT DATE : 10/20/2020 8:55 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

1600-28-21 4.05

COMPOSITE DRAWING, ORIGINAL IS FILED IN THE ONEIDA COUNTY REGISTER OF DEEDS OFFICE



FOUND 1/2" IRON ROD
Y = 223821.195
X = 324082.497

S83°31'27"E
742.32'
MON TO 600

ANDERSON ST

TOWN

OF

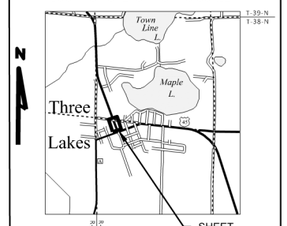
THREE LAKES

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 INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ FT REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
24	SCOTT L REMINGTON AND LINDA J REMINGTON	FEE/TLE	85	---	85	138

LOCATION SKETCH NOT TO SCALE



Doc No: 812004
Recorded on
10/19/2020 2:34 PM
KYLE J FRANSON
REGISTER OF DEEDS
ONEIDA COUNTY, WI
Fee Amount:

This document has been electronically recorded

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1600-28-21-4.06
AMENDMENT NO:___

SCALE, FEET 0 20 40

GN

COURSE TABLE		
COURSE	BEARING	DISTANCE
600-601	S83° 31' 27"E	138.76'
601-603	S83° 31' 27"E	54.33'
603-604	S39° 03' 45"W	14.51'
604 605	S20° 14' 30"E	258.26'
605-606	S69° 45' 30"W	41.57'
606-607	S69° 45' 30"W	118.43'
607-600	N20° 14' 30"W	352.47'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
600	925+75.13	-125.11'
601	925+15.11	0.00'
603	924+91.61	48.98'
604	924+83.97	36.65'
605	922+25.76	41.56'
606	922+24.97	0.00'
607	922+22.72	-118.41'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE620	924+89.22	53.98'
TLE621	924+71.97	36.88'

TLE620
TLE621
603
604
24
202
27'
SECTION LINE
ANDERSON ST
PL
S83°31'27"E
2401.97'
603 TO MON
601
925
924
923
R/L= N19° 09' 80"W
USH 45
G
PL
BLOCK 2
LOT 16
PLAT OF THREE LAKES
FRAC'T
NW/NW
160'
100'
60'
605
606
607

FOUND BROKEN TOP SURVEY NAIL
Y = 223444.795
X = 327398.583

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
202	WISCONSIN PUBLIC SERVICE CORPORATION (GAS)	RELEASE OF RIGHTS

(202) WISCONSIN PUBLIC SERVICE CORPORATION (GAS)
NO RECORD OF EASEMENT - PAR 24

TRANSPORTATION PROJECT PLAT NO: 1600-28-21-4.06

BEING PART OF LOT 16, BLOCK 2 OF THE PLAT OF THREE LAKES LOCATED IN PART OF THE FRACTIONAL NW1/4 OF THE NW1/4 OF SECTION 7, TOWNSHIP 38 NORTH, RANGE 11 EAST, TOWN OF THREE LAKES, ONEIDA COUNTY, WISCONSIN

RELOCATION ORDER - USH 45, MONICO - EAGLE RIVER, STH 32 TO VILAS COUNTY LINE, ONEIDA COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ONEIDA 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.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

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.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR USH 45: STATE AID PROJECT 7884, PLAT OF THREE LAKES, AND EXISTING CENTERLINE.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 810831 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

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 DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 10/14/2020
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
NORTH CENTRAL- RHINELANDER
SIGNATURE: Brent L Stella DATE: 10-14-20
PRINT NAME: Brent L Stella

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\TPP\040106-RP.DWG
APPRAISAL PLAT DATE : 10/20/2020
PLOT DATE : 10/20/2020 8:55 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

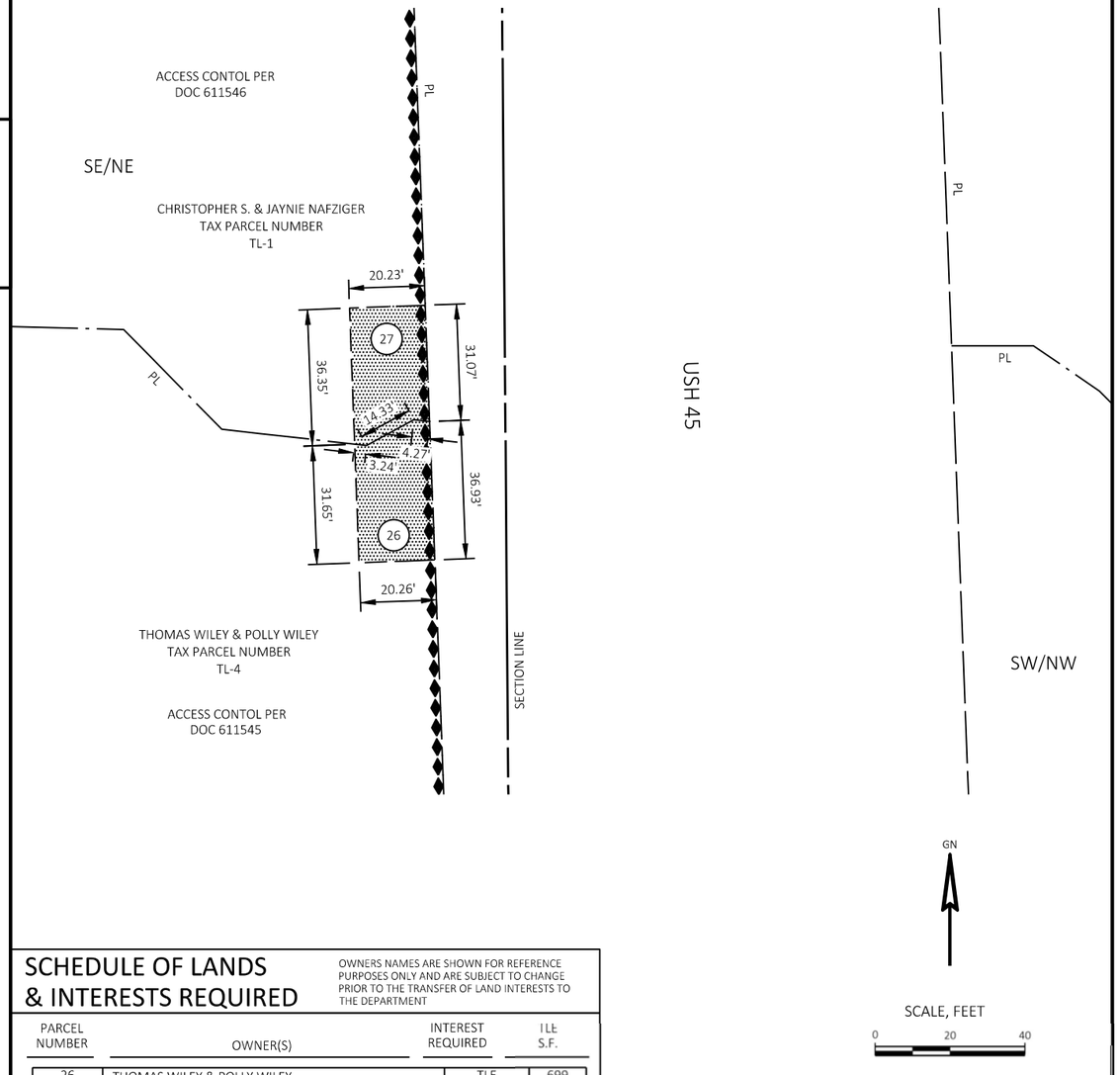
NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY.
REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

THE PURPOSE OF THE TLE IS FOR CULVERT REPLACEMENT.

R/W PROJECT NUMBER: 1600-28-21	SHEET NUMBER: 1

TLE ACQUISITION EXHIBIT
MONICO - EAGLE RIVER
STH 32 TO VILAS COUNTY LINE
USH 45 ONEIDA COUNTY

PART OF THE SE 1/4 OF THE NE 1/4 OF SECTION 1, T 38 N, R 10 E
TOWN OF THREE LAKES, ONEIDA COUNTY, WISCONSIN



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
26	THOMAS WILEY & POLLY WILEY	TLE	699
27	CHRISTOPHER S. & JAYNIE A. NAFZIGER	TLE	678

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
NUMBER	OWNER(S)	REQUIRED
N/A	N/A	N/A

THIS MAP IS APPROVED FOR THE DEPARTMENT OF TRANSPORTATION
NORTH CENTERAL - RHINELANDER

SIGNATURE: Brent L Stella DATE: 11-3-20

PRINT NAME: Brent L Stella

FILE NAME : TLE EXHIBIT 1.DWG PLOT DATE : 4/2/2021 7:02 AM R/W PROJECT: 1600-28-21

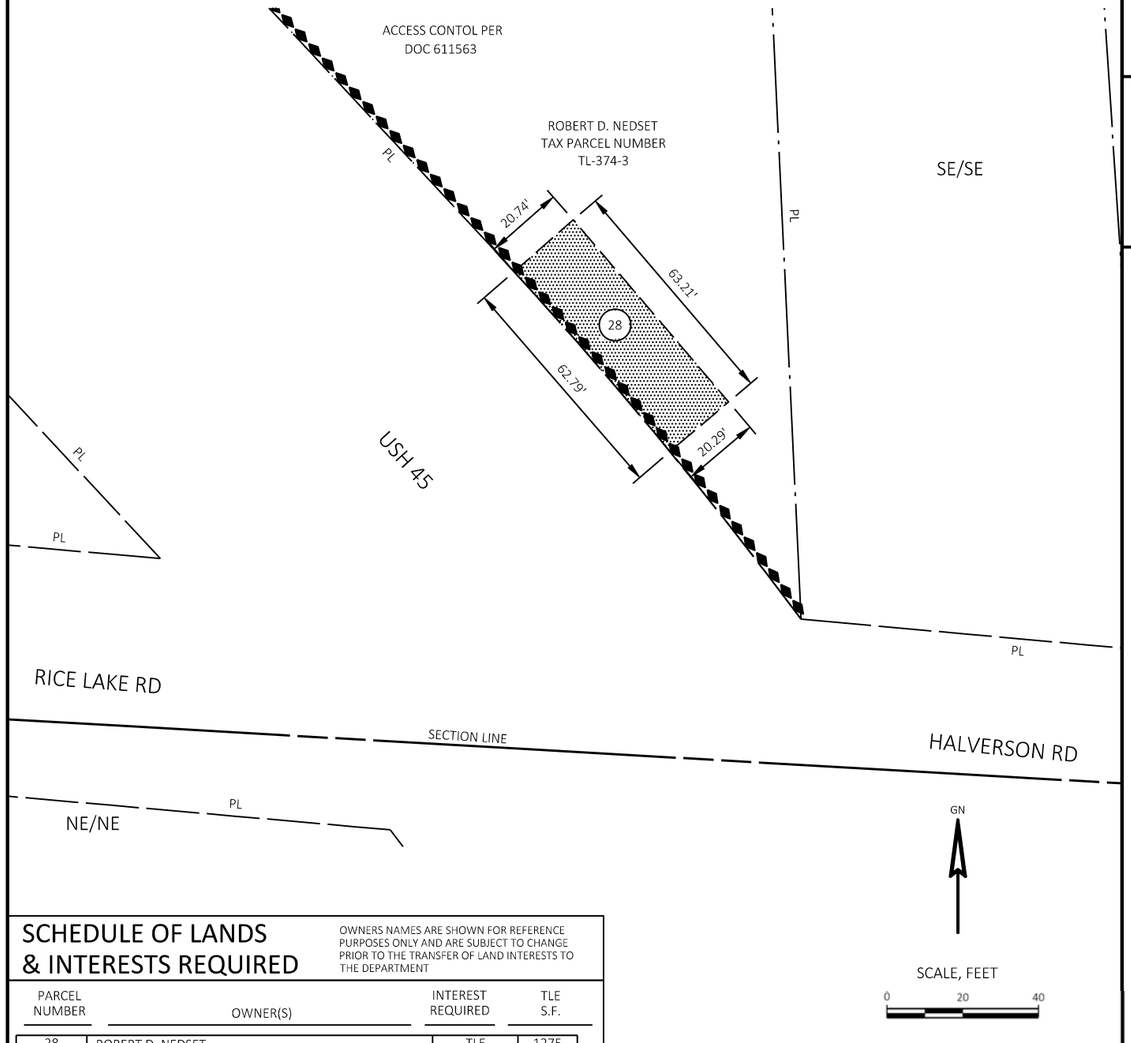
NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY.
REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

THE PURPOSE OF THE TLE IS FOR CULVERT REPLACEMENT.

R/W PROJECT NUMBER: 1600-28-21	SHEET NUMBER: 2

TLE ACQUISITION EXHIBIT
MONICO - EAGLE RIVER
STH 32 TO VILAS COUNTY LINE
USH 45 ONEIDA COUNTY

PART OF THE SE 1/4 OF THE SE 1/4 OF SECTION 36, T 39 N, R 10 E
TOWN OF THREE LAKES, ONEIDA COUNTY, WISCONSIN



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
28	ROBERT D. NEDSET	TLE	1275

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED

THIS MAP IS APPROVED FOR THE DEPARTMENT OF TRANSPORTATION
NORTH CENTERAL - RHINELANDER

SIGNATURE: Brent L Stella DATE: 11-9-20

PRINT NAME: Brent L Stella

FILE NAME : TLE EXHIBIT 1.DWG PLOT DATE : 4/2/2021 7:02 AM R/W PROJECT: 1600-28-21

LEGEND

- DELINEATED WETLAND BOUNDARY
- SLOPE INTERCEPT
- X — CLEARING AND GRUBBING
- RIPRAP MEDIUM, UNLESS OTHERWISE NOTED (SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)
- PERMITTED WETLAND IMPACTS

CURVE NO. 1
PI STA = 877+63.53
Y = 223234.86
X = 329312.81
PCC STA = 869+60.11
Y=222607.49
X=329814.70
PT STA = 884+83.91
Y=223325.15
X=328514.48
DELTA = 44°53'18"
D = 2°56'45"
T = 803.42'
L = 1523.80'
R = 1945.00'
EXISTING SE= 5.4%
SE TRANSITION (T)= 200'
RO (RUNOFF)= 147'
PROPOSED SE= 5.5%

FAITH LUTHERAN CHURCH
OF THREE LAKES INC

N

EX R/W

EX R/W

WISCONSIN PUBLIC SERVICE CORPORATION
(GAS)

5

5

BEGIN PROJECT
STA 873+76
Y=222,902.109
X=329,522.285
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

ASPH
CE

874+00

875+00

876+00

USH 45

877+00

CURVE 1

878+00

879+00

BASE AGG
CE

RESIDUAL GROUNDWATER CONTAMINATION

CP/BM #522
Y = 223,130.79
X = 329,275.25
ELEV = 1673.29
CP .75X24 REBAR SET W/BLUE CAP

END CONSTRUCTION
878+48, 65' RT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

EX R/W

MARGARET C JACOBSON

EX R/W

STH 32

MATTHEW H OLECHOWSKI

LOUIS W SMITH
MARGARET M SMITH

JOHN C LAMON JR
NOREEN M LAMON

THREE LAKES EVANGELICAL
FREE CHURCH

EX R/W

EX R/W

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 85	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 01

PLOT DATE : 10/25/2021 5:14 PM PLOT BY : SCOTT KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- DELINEATED WETLAND BOUNDARY
- SLOPE INTERCEPT
- X CLEARING AND GRUBBING
- RIPRAP MEDIUM, UNLESS OTHERWISE NOTED (SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)
- PERMITTED WETLAND IMPACTS

CURVE NO. 1
PI STA = 877+63.53
Y = 223234.86
X = 329312.81
PCC STA = 869+60.11
Y=222607.49
X=329814.70
PT STA = 884+83.91
Y=223325.15
X=328514.48
DELTA = 44°53'18"
D = 2°56'45"
T = 803.42'
L = 1523.80'
R = 1945.00'
EXISTING SE= 5.4%
SE TRANSITION (T)= 200'
RO (RUNOFF)= 147'
PROPOSED SE= 5.5%

FAITH LUTHERAN CHURCH OF THREE LAKES INC

CEMETERY
THREE LAKES TOWNSHIP

SENSITIVE AREA
DO NOT ENTER

N

EX R/W

WISCONSIN PUBLIC SERVICE CORPORATION (GAS)

WISCONSIN PUBLIC SERVICE CORPORATION (ELECTRIC)

STA 882+68 - STA 884+75, LT
SALVAGED RAIL
SALVAGED GUARDRAIL END TERMINALS

CAUTION

CAUTION

PT: 884+83.91

880+00

881+00

882+00

USH 45

883+00

884+00

885+00

N83°32'52"W

+78

CURVE 1

15'

15'

STA 882+72
FULL DEPTH ASPHALTIC SURFACE AND BASE AGGREGATE REPLACEMENT
(SEE CULVERT PIPE TRANSITION DETAIL)

STA 883+88
FULL DEPTH ASPHALTIC SURFACE AND BASE AGGREGATE REPLACEMENT
(SEE CULVERT PIPE TRANSITION DETAIL)

ASPH CE

ASPH CE

ASPH CE

BM 604

BASE AGG PE

FRONTIER COMMUNICATIONS OF WI LLC
(COMMUNICATION)

WISCONSIN PUBLIC SERVICE CORPORATION
(ELECTRIC)

SEE EROSION CONTROL PLANS AND CONSTRUCTION DETAILS

ASTREA
(COMMUNICATION)

STA 883+31, LT&RT
REMOVING STRUCTURE (C-927-42)
36" CP CLASS III-A NON-METAL REQ'D
2-AEW REQ'D
8.8° RHF
MARKERS FOR CULVERT END REQ'D

STEVEN P KUTCHERA
LORNA J KUTCHERA

GERALD L DREWA
AMY J DREWA

JOHN C LAMON JR
NOREEN M LAMON

CORY D BOROWSKI
DEBRA A BOROWSKI

EX R/W

EX R/W

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
604	883+10.58, 30.36' RT	BM SPIKE IN PPOL	1669.69

5

5

LEGEND

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

X CLEARING AND GRUBBING

RIPRAP MEDIUM, UNLESS OTHERWISE NOTED
(SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)

PERMITTED WETLAND IMPACTS

CEMETERY
THREE LAKES
TOWNSHIP

SENSITIVE AREA
DO NOT ENTER

N

EX R/W

EX R/W

WISCONSIN PUBLIC SERVICE CORPORATION
(GAS)

WISCONSIN PUBLIC SERVICE CORPORATION
(GAS)

PI: 890+22.36

5

5

+80

N83°32'52"W

886+00

887+00

888+00

USH 45

889+00

890+00

N84°06'15"W

891+00

Y = 223385.656
X = 327979.436

FRONTIER COMMUNICATIONS OF WI LLC
(COMMUNICATION)

ASPH
PE

THREE LAKES SANITARY DISTRICT NO 1
(WATER)

THREE LAKES
SANITARY DISTRICT NO 1
(SEWER)

ASTREA
(COMMUNICATION)

WISCONSIN PUBLIC SERVICE CORPORATION
(ELECTRIC - DISTRIBUTION)

EX R/W

EX R/W

CORY D BOROWSKI
DEBRA A BOROWSKI

GEORGE J FINCO IRR TR
JANICE E FINCO IRR TR

RANDALL D WATERMAN TR
DEBORAH A WATERMAN TR

JAMES ROBERT MULLEADY
MARY JANE MULLEADY

GEORGE W RYCHLOCK

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 87	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 03

PLOT DATE : 10/25/2021 5:14 PM PLOT BY : SCOTT KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- DELINEATED WETLAND BOUNDARY
- SLOPE INTERCEPT
- X — CLEARING AND GRUBBING
- RIPRAP MEDIUM, UNLESS OTHERWISE NOTED (SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)
- PERMITTED WETLAND IMPACTS

NOTE
SEE PAVING DETAILS AND STORM SEWER PLANS FOR ALL STORM SEWER WORK

JAMES W BOLLMANN
NANCY E BOLLMANN

H&R PIER SERVICE LLC

CHERYL M BOERS
BRIAN R BOERS

STEVEN W WYKOSKI JR TR

KRIST OIL CO

EX R/W

WISCONSIN PUBLIC SERVICE CORPORATION (GAS)

WISCONSIN PUBLIC SERVICE CORPORATION (ELECTRIC)

THREE LAKES SANITARY DISTRICT NO 1 (WATER)

ASTREA (COMMUNICATION)

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

REMOVING CONCRETE SIDEWALK

WINKLER RD

END CONSTRUCTION
896+10, 51' LT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

REMOVING ASPHALTIC SURFACE

PROPOSED R/W

WISCONSIN PUBLIC SERVICE CORPORATION (ELECTRIC - DISTRIBUTION)

CP/BM #509
Y = 223,400.40
X = 327,461.09
ELEV = 1666.16
CP .75X24 REBAR SET W/BLUE CAP

ASPH CE

WISCONSIN PUBLIC SERVICE CORPORATION (ELECTRIC - DISTRIBUTION)

BASE AGG CE

CAUTION

TLE

PI: 896+90.02

REMOVING CURB & GUTTER

CLOSE EXISTING CURB CUT

REMOVING CONCRETE SIDEWALK

REMOVING CURB & GUTTER

N84°06'15"W

N83°29'24"W

USH 45

891+00 892+00 893+00 894+00 895+00 896+00 897+00

REMOVING CURB & GUTTER

REMOVING CONCRETE SIDEWALK

REMOVING CURB & GUTTER

CAUTION

THREE LAKES SANITARY DISTRICT NO 1 (SEWER)

END CONSTRUCTION
892+90, 47' RT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

REMOVING ASPHALTIC SURFACE

ASPH CE

ASPH CE

ASPH CE

LANDMARK REFERENCE MONUMENT

TLE

EAST ST

ASTREA (COMMUNICATION)

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

WISCONSIN PUBLIC SERVICE CORPORATION (ELECTRIC)

LAKE DR

EX R/W

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

END CONSTRUCTION
896+68, 47' RT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

SHARON ANN GILES

EDWIN H STARKE JR
CYNTHIA L STARKE

ROBERT W LASS
WENDY J LASS

GEORGE W RYCHLOCK

JULIE A JUREK
(MATUSZAK)

EX R/W

EX R/W

EX R/W

EX R/W

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 88	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 04

PLOT DATE : 10/25/2021 5:14 PM PLOT BY : SCOTT KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

X CLEARING AND GRUBBING

RIPRAP MEDIUM, UNLESS OTHERWISE NOTED (SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)

PERMITTED WETLAND IMPACTS

N

KRIST OIL CO

KRIST OIL CO

ST THERESA CONGREGATION

EX R/W

FOREST ST

END CONSTRUCTION
902+63, 42' LT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

WISCONSIN PUBLIC SERVICE CORPORATION (ELECTRIC)

WISCONSIN PUBLIC SERVICE CORPORATION (GAS)

TLE

REMOVING CONCRETE SIDEWALK

TOWN OF THREE LAKES (ELECTRIC)

ASPH CE

ASPH CE

ASPH PE

ASPH PE

CAUTION

CAUTION

EX R/W

PI: 896+90.02

Y = 223454.237
X = 327315.314

REMOVING CURB & GUTTER

THREE LAKES SANITARY DISTRICT NO 1 (WATER)

REMOVING CONCRETE SIDEWALK

REMOVING CURB & GUTTER

N84°06'15"W

N83°29'24"W

897+00

898+00

899+00

USH 45

900+00

901+00

902+00

REMOVING CONCRETE SIDEWALK

CLOSE EXISTING CURB CUT

REMOVING CURB & GUTTER

REMOVING CONCRETE SIDEWALK

REMOVING CONCRETE SIDEWALK

REMOVING CURB & GUTTER

CAUTION

TLE

BASE AGG CE

ASPH CE

ASPH CE

TLE

TLE

ASPH CE

TLE

GRASS CE

TLE

REMOVING CONCRETE SIDEWALK

BRITTA HOOPER

TOWN OF THREE LAKES (ELECTRIC)

PARK PLACE LLC

REMOVING CONCRETE SIDEWALK

PARK PLACE LLC

PARK ST

THREE LAKES SANITARY DISTRICT NO 1 (SEWER)

THREE LAKES TOWNSHIP

LAKE DR

END CONSTRUCTION
896+68, 47' RT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

END CONSTRUCTION
900+73, 38' RT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

EX R/W

EX R/W

EX R/W

EX R/W

EX R/W

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 89	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 05

PLOT DATE : 10/25/2021 5:15 PM

PLOT BY : SCOTT KAISER

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND

- DELINEATED WETLAND BOUNDARY
- SLOPE INTERCEPT
- X — CLEARING AND GRUBBING
- RIPRAP MEDIUM, UNLESS OTHERWISE NOTED (SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)
- PERMITTED WETLAND IMPACTS

N

FOREST ST

EX R/W

UNION CONGREGATIONAL CHURCH

CAROLANN SIEMIATKOWSKI

KARI HELGESON
STEVEN R HELGESON

ELIZABETH ANN YANKALA

JUDITH A NEIHOUS

AMANDA PETROVIC

JEFFREY BRIAN BOEHM

KAY K BOEHM

WISCONSIN PUBLIC SERVICE CORPORATION (GAS)

CONC CE

EX R/W

REMOVING CONCRETE SIDEWALK

TLE

ASPH CE

CAUTION

ASPH CE

RESIDUAL SOIL CONTAMINATION

END CONSTRUCTION
902+63, 42' LT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

REMOVING MASONRY

CAUTION

ASPH PE

CONC PE

BASE AGG PE

CP/BM #510
Y = 223,527.37
X = 326,298.99
ELEV = 1663.97
CP .75X24 REBAR SET W/BLUE CAP

ASPH CE

PI: 907+15.37

908+00

REMOVING CURB & GUTTER

ASPH CE

EX R/W

S69°41'14"W

PROPOSED R/W

REMOVING CONCRETE PAVEMENT

REMOVING CONCRETE SIDEWALK

TLE

BM 603

EX R/W

REMOVING CONCRETE SIDEWALK

THREE LAKES SANITARY DISTRICT NO 1 (WATER)

REMOVING CURB & GUTTER

903+00

904+00

905+00

USH 45

906+00

N83°29'24"W

907+00

Y = 223570.489
X = 326296.576

REMOVING CURB & GUTTER

CAUTION

REMOVING CURB & GUTTER

REMOVING CONCRETE SIDEWALK

RESIDUAL SOIL CONTAMINATION

ANDERSON ST

GRASS CE

TLE

GRASS PE

JACQUELINE M WALKER

REMOVING CONCRETE SIDEWALK

END CONSTRUCTION
904+41, 36' RT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

JACQUELINE M WALKER

NELSON ST

TLE

ASPH CE

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

TOWN OF THREE LAKES (ELECTRIC)

REMOVING CONCRETE SIDEWALK

THREE LAKES CONVENIENCE STORE LLC

ASPH CE

CONC CE

PROPOSED R/W

REMOVING ASPHALTIC SURFACE

TLE

WISCONSIN PUBLIC SERVICE CORPORATION (ELECTRIC)

THREE LAKES SANITARY DISTRICT NO 1 (SEWER)

RESIDUAL SOIL CONTAMINATION

THREE LAKES CONVENIENCE STORE LLC

HOFFMAN ST

EX R/W

END CONSTRUCTION
907+64, 53' RT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

RESIDUAL GROUNDWATER CONTAMINATION

EX R/W

EX R/W

EX R/W

EX R/W

EX R/W

EX R/W

EX R/W

EX R/W

EX R/W

5

5

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
603	907+91.01, 33.48' RT	BM CHISELED X IN CONCRETE	1665.03

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 90	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 06

PLOT DATE : 10/25/2021 5:15 PM PLOT BY : SCOTT KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- DELINEATED WETLAND BOUNDARY
- SLOPE INTERCEPT
- X CLEARING AND GRUBBING
- RIPRAP MEDIUM, UNLESS OTHERWISE NOTED (SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)
- PERMITTED WETLAND IMPACTS

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
602	910+35.73, 35.07' LT	BM HYDRANT TAG BOLT	1665.55

N

EX R/W

E SCHOOL ST

W SCHOOL ST

KAY K BOEHM

ST THERESA CONGREGATION

RLBNME LLC

MICHAEL JERRY MILLER

GENE R WAGNER
HENRY G WAGNER

ONEIDA VILLAGE INC

PROPOSED R/W

TLE

CONC
CE

EX R/W

CAUTION

BM 602

WISCONSIN PUBLIC SERVICE CORPORATION
(GAS)

ASPH
CE

TOWN OF THREE LAKES
(ELECTRIC)

END CONSTRUCTION
910+10, 41' LT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

END CONSTRUCTION
914+32, 42' LT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

REMOVING CURB & GUTTER

REMOVING CONCRETE SIDEWALK

USH 45

909+00 910+00 911+00 912+00 S69°41'14"W 913+00 914+00

RESIDUAL SOIL
CONTAMINATION

THREE LAKES SANITARY DISTRICT NO 1
(WATER)

PETER J BALTUS TRUST

LADS THREE LAKES LLC

RESIDUAL SOIL
CONTAMINATION

END CONSTRUCTION
910+10, 43' RT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

WISCONSIN PUBLIC SERVICE CORPORATION
(ELECTRIC)

THREE LAKES SANITARY DISTRICT NO 1
(SEWER)

THREE LAKES CENTER FOR
ARTS IN THE NORTHWOODS

HICKERSON JT REV TR

DEYOUNG FAMILY REV TRUST

SCOTT J SODER
LINDA S SODER

HJR INVESTORS INC

ANDERSON ST

RESIDUAL GROUNDWATER
CONTAMINATION

PINEVIEW CONSTRUCTION LLC

WISCONSIN PUBLIC SERVICE CORPORATION
(GAS)

WISCONSIN PUBLIC SERVICE CORPORATION
(ELECTRIC)

WISCONSIN PUBLIC SERVICE CORPORATION
(ELECTRIC - DISTRIBUTION)

BM 601

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
601	914+54.24, 27.10' RT	BM HYDRANT "OPEN"	1663.67

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 91	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 07

PLOT DATE : 10/25/2021 5:15 PM PLOT BY : SCOTT KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND

- DELINEATED WETLAND BOUNDARY
- SLOPE INTERCEPT
- X — CLEARING AND GRUBBING
- RIPRAP MEDIUM, UNLESS OTHERWISE NOTED (SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)
- PERMITTED WETLAND IMPACTS

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
600	918+59.10, 35.85' LT	BM HYDRANT "OPEN"	1662.34

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
601	914+54.24, 27.10' RT	BM HYDRANT "OPEN"	1663.67

N

5

5

EX R/W

JOHN A THORNTON

AMERICAN LEGION

AMERICAN LEGION

THREE LAKES DEV GRP LLC

RONDO L AVERY
LUANN J EVERY
SPIRITS LLC

R & M VENTURES LLC

FIRST NATIONAL BANK OF EAGLE RIVER

EX R/W

WISCONSIN PUBLIC SERVICE CORPORATION (ELECTRIC)

FRUIT OF THE WOODS WINE CELLAR INC

W SCHOOL ST

END CONSTRUCTION
914+32, 42' LT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

REMOVING CONCRETE SIDEWALK

TOWN OF THREE LAKES (ELETRIC)

ASPH
CE

BASE AGG
CE

RESIDUAL SOIL CONTAMINATION

RESIDUAL GROUNDWATER CONTAMINATION

ASPH
CE

PROPOSED R/W

END CONSTRUCTION
918+96, 39' LT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

TLE

BM 600

GOGEBIC ST

PI: 919+07.51

THREE LAKES SANITARY DISTRICT NO 1 (WATER)

EX R/W

END CONSTRUCTION
919+25, 78' LT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

EXISTING PLANTING
(REMOVE BY OTHERS)
REPAIR EDGES OF
HARDWOOD BACK MULCH

REMOVING CURB & GUTTER

CLOSE EXISTING CURB CUT

REMOVING CONCRETE SIDEWALK

915+00 916+00 USH 45 917+00 918+00 S69°41'14"W 919+00

CTH A

WISCONSIN PUBLIC SERVICE CORPORATION (ELECTRIC)

REMOVING CONCRETE SIDEWALK

REMOVING CURB & GUTTER

REMOVING CONCRETE SIDEWALK

Y = 223156.600
X = 325178.590

N27°52'18"W

PC: 919+46.45

BM 601

TLE

PROPOSED R/W

TLE

THREE EAGLE TRAIL

REMOVING CURB & GUTTER

W SCHOOL ST

END CONSTRUCTION
914+31, 41' RT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

MW INVESTMENTS WISCONSIN LLC

ZEROI LLC

ZEROI LLC

ZEROI LLC

KEVIN J KELLEY
LISA KELLEY

THREE LAKES BRICK & MORTAR LLC

TOWN OF THREE LAKES (ELETRIC)

CURVE NO. 2
PI STA = 920+59.08
Y = 223290.62
X = 325107.71
PC STA = 919+46.45
Y=223191.06
X=325160.36
PT STA = 921+71.27
Y=223397.01
X=325070.76
DELTA = 8°43'10"
D = 3°52'43"
T = 112.62'
L = 224.81'
R = 1477.27'
EXISTING SE= NC
PROPOSED SE= NC

920+00

CP/BM #511
Y = 223,156.82
X = 325,058.04
ELEV = 1658.72
CP .75X24 REBAR SET W/BLUE CAP

DAVID J HAPKA REV LIV TR

EX R/W

ASPH
CE

USH 45

CURVE 2

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

TOWN OF THREE LAKES (ELECTRIC)

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 92	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 08

PLOT DATE : 10/25/2021 5:15 PM PLOT BY : SCOTT KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- DELINEATED WETLAND BOUNDARY
- SLOPE INTERCEPT
- X — CLEARING AND GRUBBING
- RIPRAP MEDIUM, UNLESS OTHERWISE NOTED (SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)
- PERMITTED WETLAND IMPACTS

FRUIT OF THE WOODS WINE CELLAR INC

JOHN A CEGIELSKI

EX R/W

N

EX R/W

EX R/W

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

END CONSTRUCTION
925+81, 58' LT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

ANDERSON ST

THREE EAGLE TRAIL

THREE LAKES SANITARY DISTRICT NO 1 (SEWER)

PT: 921+71.27

TOWN OF THREE LAKES (ELECTRIC)

CAUTION

5

5

CURVE 2

920+00

921+00

922+00

923+00

924+00

925+00

926+00

N19°09'08"W

USH 45

REMOVING CURB & GUTTER

REMOVING CURB & GUTTER

THREE LAKES SANITARY DISTRICT NO 1 (WATER)

REMOVING CONCRETE SIDEWALK

REMOVING CURB & GUTTER

CAUTION

REMOVING ASPHALTIC SURFACE

PROTECTIVE THERMOPLASTIC COATING AT SNOWMOBILE CROSSING, (SEE CONSTRUCTION DETAILS)

EX R/W

ASPH PE

CONC PE

BASE AGG PE

ASPH CE

EX R/W

WISCONSIN PUBLIC SERVICE CORPORATION (ELECTRIC)

WISCONSIN PUBLIC SERVICE CORPORATION (GAS)

TLE

PROPOSED R/W

END CONSTRUCTION
925+08, 63' RT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

ANDERSON ST

THREE LAKES SANITARY DISTRICT NO 1 (SEWER)

WISCONSIN PUBLIC SERVICE CORPORATION (ELECTRIC)

THREE LAKES BRICK & MORTAR LLC

SUSAN K SORG

BRUCE R STUHLMACHER

JAMES POMES

SCOTT L REMINGTON
LINDA J REMINGTON

SCOTT L REMINGTON
LINDA J REMINGTON

MARY L KLINGFORTH
JAMES R KLINGFORTH

MARY L KLINGFORTH
JAMES R KLINGFORTH

THREE LAKES SANITARY DISTRICT NO 1 (WATER)

EX R/W

EX R/W

CURVE NO. 2
PI STA = 920+59.08
Y = 223290.62
X = 325107.71
PC STA = 919+46.45
Y=223191.06
X=325160.36
PT STA = 921+71.27
Y=223397.01
X=325070.76
DELTA = 8°43'10"
D = 3°52'43"
T = 112.62'
L = 224.81'
R = 1477.27'
EXISTING SE= NC
PROPOSED SE= NC

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 93	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 09

PLOT DATE : 10/25/2021 5:16 PM PLOT BY : SCOTT KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

X CLEARING AND GRUBBING

RIPRAP MEDIUM, UNLESS OTHERWISE NOTED (SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)

PERMITTED WETLAND IMPACTS

SANSKI INVESTMENTS LLC

SPITTLEMEISTER SVCS LLC
THREE LAKES STEEL

REZNY TRUST AGREEMENT

EX R/W

ANDERSON ST

ASTREA
(COMMUNICATION)

FRONTIER COMMUNICATIONS OF WI LLC
(COMMUNICATION)

THREE EAGLE TRAIL

END CONSTRUCTION
925+81, 58' LT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

FRONTIER COMMUNICATIONS OF WI LLC
(COMMUNICATION)

WISCONSIN PUBLIC SERVICE CORPORATION
(GAS)

THREE LAKES SANITARY DISTRICT NO 1
(SEWER)

THREE LAKES SANITARY DISTRICT NO 1
(WATER)

ASPH
CE

CAUTION

REMOVING CURB & GUTTER

USH 45

PI: 929+16.50

926+00 927+00 928+00 929+00 930+00 931+00 932+00

N20°21'53"W

Y = 224100.994
X = 324826.270

REMOVING CURB & GUTTER

SEE PAVING DETAILS FOR LAYOUT INFORMATION

ASPH
CE

ASPH
PE

CAUTION

REMOVING ASPHALTIC SURFACE

TOWN OF THREE LAKES
(ELECTRIC)

BASE AGG
PE

BASE AGG
PE

WISCONSIN PUBLIC SERVICE CORPORATION
(ELECTRIC)

ASPH
PE

MOPLASTIC COATING
CROSSING,
ON DETAILS)

EX R/W

EX R/W

MARY L KLINGFORTH
JAMES R KLINGFORTH

JAMES L BARTELLS REV TR
ROSE M BARTELLS REV TR

TILLMAN & TILLMAN
PROPERTIES LLC

JEROME P AHLSWEDE

GEORGE W RYCHLOCK

JEROME PAUL AHLSWEDE

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 94	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 10

PLOT DATE : 10/25/2021 5:16 PM PLOT BY : SCOTT KAISER PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

X CLEARING AND GRUBBING

RIPRAP MEDIUM, UNLESS OTHERWISE NOTED
(SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)

PERMITTED WETLAND IMPACTS

N

DENNIS P MCLAUGHLIN JR
MICHAEL J MCLAUGHLIN

REZNY TRUST AGREEMENT

MICHAEL J MCLAUGHLIN
DENNIS P MCLAUGHLIN JR

CHRISTOPHER J DEDITZ
JACQUELINE A DEDITZ

EX R/W

EX R/W

5

RIPRAP HEAVY
(SEE CONSTRUCTION DETAIL)

THREE EAGLE TRAIL

PC: 946+60.34

5

SS

SS

BASE AGG
PE

USH 45

932 934 936 938 940 942 944 N20°21'53"W 946 CURVE 3

SS

EX R/W

CP/BM #512
Y = 224,432.60
X = 324,753.66
ELEV = 1652.46
CP .75X24 REBAR SET W/BLUE CAP

THOMAS RULSEH
VICKI REULING

SCOTT J SODER
KIP W SODER

RICHARD LASSITER
WENDY LASSITER

END CONSTRUCTION
942+67, 61' RT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

EX R/W

TIMBERSHORE DR

EX R/W

FLANNERY PLUMBING & HTG

MITCHELL J FLANNERY

GREAT NORTH
STORAGE LLC

EX R/W

CURVE NO. 3
PI STA = 948+54.09
Y = 225917.48
X = 324152.00
PC STA = 946+60.34
Y=225735.85
X=324219.42
PT STA = 950+44.56
Y=226111.08
X=324144.66
DELTA = 18°11'37"
D = 4°44'07"
T = 193.74'
L = 384.22'
R = 1210.00'
EXISTING SE= 5.8%
SE TRANSITION (T)= 204'
RO (RUNOFF)= 153'
PROPOSED SE= 6.0%

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 95	E

LEGEND

- DELINEATED WETLAND BOUNDARY
- SLOPE INTERCEPT
- X — CLEARING AND GRUBBING
- RIPRAP MEDIUM, UNLESS OTHERWISE NOTED (SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)
- PERMITTED WETLAND IMPACTS

N

TOWNLINE CREEK

CORRINE J METZGER

THREE EAGLE TRAIL

THREE LAKES TOWNSHIP

R 10 E T 39 N 1 6 R 11 E T 38 N

JOSEPH A SPISAK
ANITA SPISAK

DO NOT DISTURB

EX R/W

PT: 950+44.56

BRYAN L WALLNER

FRONTIER COMMUNICATIONS OF WI LLC
(COMMUNICATION)

PI: 960+29.30

EX R/W

ASPH
PE

BASE AGG
PE

948 950 952 N02°10'16"W 954 USH 45 956 958 960 N02°07'47"W 962

CURVE 3

Y = 227095.112
X = 324107.353

BM 605

BASE AGG
PE

CAUTION

EX R/W

END CONSTRUCTION
953+26, 47' RT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

MAPLE LAKE DAM RD

CP/BM #518
Y = 226,618.21
X = 324,173.40
ELEV = 1641.81
CP .75X24 REBAR SET W/BLUE CAP

WISCONSIN PUBLIC SERVICE CORPORATION
(ELECTRIC)

WISCONSIN PUBLIC SERVICE CORPORATION
(GAS)

EX R/W

GEORGE W RYCHLOCK

GREAT NORTH
STORAGE LLC

TIMOTHY M SCHLEY

GEORGE W RYCHLOCK
JOAN A RYCHLOCK

EX R/W

EX R/W

CURVE NO. 3
PI STA = 948+54.09
Y = 225917.48
X = 324152.00
PC STA = 946+60.34
Y=225735.85
X=324219.42
PT STA = 950+44.56
Y=226111.08
X=324144.66
DELTA = 18°11'37"
D = 4°44'07"
T = 193.74'
L = 384.22'
R = 1210.00'
EXISTING SE= 5.8%
SE TRANSITION (T)= 204'
RO (RUNOFF)= 153'
PROPOSED SE= 6.0%

5 5

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
605	962+29.69, 34.74' RT	BM SPIKE IN PPOL	1630.98

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 96	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\050202-PN.DWG
LAYOUT NAME - 12

PLOT DATE : 8/26/2021 8:23 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- DELINEATED WETLAND BOUNDARY
- SLOPE INTERCEPT
- X CLEARING AND GRUBBING
- RIPRAP MEDIUM, UNLESS OTHERWISE NOTED (SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)
- PERMITTED WETLAND IMPACTS

N

STA 962+76, LT&RT
CULVERT 43045003337
REMOVE 36" RCCP
42" CPRC CLASS III REQ'D
2-AEW FOR CULVERT PIPE REINFORCED CONCRETE REQ'D
3.5° RHF
MARKER FOR CULVERT END REQ'D

STA 962+85, LT&RT
CULVERT 43045003338
REMOVE 36" RCCP
42" CPRC CLASS III REQ'D
2-AEW FOR CULVERT PIPE REINFORCED CONCRETE REQ'D
3.5° RHF
MARKER FOR CULVERT END REQ'D

CHRISTOPHER S NAFZIGER
JAYNIE A NAFZIGER

FREDERICK GRULKOWSKI

PREMIER COLLISION CENTER LLC

TOWNLINE CREEK

THOMAS WILEY
POLLY WILEY

STA 962+20
FULL DEPTH ASPHALTIC SURFACE AND BASE AGGREGATE REPLACEMENT
(SEE CULVERT PIPE TRANSITION DETAIL)

STA 963+35
FULL DEPTH ASPHALTIC SURFACE AND BASE AGGREGATE REPLACEMENT
(SEE CULVERT PIPE TRANSITION DETAIL)

FRONTIER COMMUNICATIONS OF WI LLC
(COMMUNICATION)

EX R/W

TLE

PI: 964+81.03

962 964 966 968 970 972 974 976

N02°07'47"W

N02°16'52"W

USH 45

BASE AGG
PE

ASPH
CE

PC: 971+33.27

CURVE 4

CP/BM #517
Y = 228,612.45
X = 323,918.79
ELEV = 1648.48
NGS 7V77 BRASS CAP IN CONCRETE

NGS

BM 605

OH

Y = 227546.525
X = 324090.566

CAUTION

WISCONSIN PUBLIC SERVICE CORPORATION
(ELECTRIC)

WISCONSIN PUBLIC SERVICE CORPORATION
(GAS)

CP/BM #519
Y = 227,629.06
X = 324,146.01
ELEV = 1632.13
CP .75X24 REBAR SET W/BLUE CAP

END CONSTRUCTION
974+53, 44' RT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

HALVERSON RD

CP/BM #516
Y = 228,604.27
X = 324,028.43
ELEV = 1649.50
CP .75X24 REBAR SET W/BLUE CAP

KEVIN J KELLEY
LISA KELLEY

WOODS ON TOWNLINE INC

GEORGE W RYCHLOCK
JOAN A RYCHLOCK

WOODS ON TOWNLINE INC

CULVERT ELEVATION DATA		
	CULVERT 43045003337	CULVERT 43045003338
EXISTING UPSTREAM INVERT	1623.72	1623.89
EXISTING DOWNSTREAM INVERT	1623.05	1623.12
PROPOSED UPSTREAM INVERT	1623.27	1623.27
PROPOSED DOWNSTREAM INVERT	1622.55	1622.55
UPSTREAM WATER SURFACE	1624.18	1624.28
DOWNSTREAM WATER SURFACE	1623.70	1623.70
STREAMBED UPSTREAM	1623.00	1623.00
STREAMBED DOWNSTREAM	1621.41	1621.41

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
605	962+29.69, 34.74' RT	BM SPIKE IN PPOL	1630.98

CURVE NO. 4
PI STA = 975+68.72
Y = 228633.36
X = 324047.28
PC STA = 971+33.27
Y=228198.25
X=324064.61
PT STA = 979+67.30
Y=228952.09
X=323750.57
DELTA = 40°40'09"
D = 4°52'34"
T = 435.45'
L = 834.03'
R = 1175.00'
EXISTING SE= 6.0%
SE TRANSITION (T)= 204'
RO (RUNOFF)= 153'
PROPOSED SE= 6.0%

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 97	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\050202-PN.DWG
LAYOUT NAME - 13

PLOT DATE : 8/26/2021 8:23 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- DELINEATED WETLAND BOUNDARY
- SLOPE INTERCEPT
- X CLEARING AND GRUBBING
- RIPRAP MEDIUM, UNLESS OTHERWISE NOTED (SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)
- PERMITTED WETLAND IMPACTS

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
606	979+47.94, 42.12' LT	BM SPIKE IN PPOL	1634.08

5

5

EX R/W

THREE EAGLE TRAIL

ESCAPE RD

RICE LAKE RD

HALVERSON RD

USH 45

N42°57'01"W

CURVE 4

978 980 982 984 986 988 990 992

BM 606

CAUTION

PT: 979+67.30

END CONSTRUCTION
979+08, 66' LT
MATCH EXISTING

STA 978+59
FULL DEPTH ASPHALTIC SURFACE AND
BASE AGGREGATE REPLACEMENT
(SEE CULVERT PIPE TRANSITION DETAIL)

DONALD D MEEDER
JOAN C MEEDER

D&A PROPERTIES LLC

RALPH W ACKER
BOB C CHAUSSEE

FRONTIER COMMUNICATIONS OF WI LLC
(COMMUNICATION)

CP/BM #515
Y = 228,998.63
X = 323,634.21
ELEV = 1635.30
CP .75X24 REBAR SET W/BLUE CAP

WISCONSIN PUBLIC SERVICE CORPORATION
(ELECTRIC)

BASE AGG PE

ASPH PE

TLE

PROTECTIVE THERMOPLASTIC COATING
AT SNOWMOBILE CROSSING,
(SEE CONSTRUCTION DETAILS)

WISCONSIN PUBLIC SERVICE CORPORATION
(GAS)

ASTREA
(COMMUNICATION)

STA 979+66
FULL DEPTH ASPHALTIC SURFACE AND
BASE AGGREGATE REPLACEMENT
(SEE CULVERT PIPE TRANSITION DETAIL)

END CONSTRUCTION
977+95, 54' RT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

STA 979+13, LT&RT
CULVERT 43045003339
REMOVE 24" RCCP
24" CPRC CLASS IV REQ'D
2-AEW FOR CULVERT PIPE REINFORCED CONCRETE REQ'D
0.0° RHF
MARKERS FOR CULVERT END REQ'D

ROBERT D NEDSET

LANCE A HITTMAN TR
SHEILA K HITTMAN TR

FREDERICK J HEGEMAN
KELLY HEGEMAN

RANDY S PEYER
JODI R PEYER

TIM RAU
KRIS RAU

MARK N DERSE
LYNN R DERSE

CURVE NO. 4
PI STA = 975+68.72
Y = 228633.36
X = 324047.28
PC STA = 971+33.27
Y=228198.25
X=324064.61
PT STA = 979+67.30
Y=228952.09
X=323750.57
DELTA = 40°40'09"
D = 4°52'34"
T = 435.45'
L = 834.03'
R = 1175.00'
EXISTING SE= 6.0%
SE TRANSITION (T)= 204'
RO (RUNOFF)= 153'
PROPOSED SE= 6.0%

T.39 N. R.10 E. | T.39 N. R.11 E.
36 | 31
1 | 6
T.38 N. R.10 E. | T.38 N. R.11 E.

DO NOT DISTURB

RANGE LINE LAKE

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 98 E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\050202-PN.DWG
LAYOUT NAME - 14

PLOT DATE : 8/26/2021 8:23 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- DELINEATED WETLAND BOUNDARY
- SLOPE INTERCEPT
- X — CLEARING AND GRUBBING
- RIPRAP MEDIUM, UNLESS OTHERWISE NOTED (SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)
- PERMITTED WETLAND IMPACTS

CULVERT ELEVATION DATA		
	CULVERT 43045003341	CULVERT 43045003342
EXISTING UPSTREAM INVERT	1623.15	1623.57
EXISTING DOWNSTREAM INVERT	1623.41	1623.74
PROPOSED UPSTREAM INVERT	1623.50	1623.50
PROPOSED DOWNSTREAM INVERT	1623.16	1623.16
UPSTREAM WATER SURFACE	1624.45	1624.45
DOWNSTREAM WATER SURFACE	1624.20	1624.20
STREAMBED UPSTREAM	1623.34	1623.34
STREAMBED DOWNSTREAM	1624.10	1624.10

N

STA 1005+49, LT&RT
CULVERT 43045003341
REMOVE 36" RCCP
36" CPRC CLASS IV REQ'D
1.5° RHF
MARKER FOR CULVERT END REQ'D
2-AEW FOR CULVERT PIPE REINFORCED CONCRETE REQ'D

STA 1005+56, LT&RT
CULVERT 43045003342
REMOVE 36" RCCP
36" CPRC CLASS IV REQ'D
1.5° RHF
MARKER FOR CULVERT END REQ'D
2-AEW FOR CULVERT PIPE REINFORCED CONCRETE REQ'D

EX R/W
WAYNE E EDSON TRUST
BRIAN R BOERS
END CONSTRUCTION 996+31, 38' LT
PC: 994+97.26
PT: 999+49.61
ESCAPE RD
THREE EAGLE TRAIL
USH 45
WISCONSIN PUBLIC SERVICE CORPORATION (ELECTRIC)
FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)
WISCONSIN PUBLIC SERVICE CORPORATION (GAS)
RALPH W ACKER
BOB C CHAUSSEE
CURVE 5
ASPH CE
ASPH PE
BASE AGG PE
N42°57'01"W
N20°18'53"W
992
994
996
998
1000
1002
1004
1006
CAUTION
BM 607
CP/BM #514
Y = 230,658.20
X = 322,438.54
ELEV = 1630.15
CP .75X24 REBAR SET W/BLUE CAP
STA 1004+96
FULL DEPTH ASPHALTIC SURFACE AND BASE AGGREGATE REPLACEMENT (SEE CULVERT PIPE TRANSITION DETAIL)
STA 1006+10
FULL DEPTH ASPHALTIC SURFACE AND BASE AGGREGATE REPLACEMENT (SEE CULVERT PIPE TRANSITION DETAIL)
NORMAN E EBERHARDT ETAL
PHILLIP L LA BEAU
THREE LAKES COTTAGES LLC
LINDA M WAMBOLDT
LORI NARLOCH
MATTHEW MISCO
VALDORA M OTTO TRUST
MICHAEL PAUL OTTO
RANGE LINE CREEK
RANDY S PEYER
JODI R PEYER
CATHERINE A COLLINS TR
THOMAS J SIMCIK
TIM RAU
KRIS RAU

CURVE NO. 5
PI STA = 997+26.42
Y = 230239.67
X = 322551.97
PC STA = 994+97.26
Y=230071.93
X=322708.12
PT STA = 999+49.61
Y=230454.58
X=322472.41
DELTA = 22°38'08"
D = 5°00'14"
T = 229.16'
L = 452.35'
R = 1145.00'
EXISTING SE= 6.0%
SE TRANSITION (T)= 204'
RO (RUNOFF)= 153'
PROPOSED SE= 6.0%

RANGE LINE LAKE

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
607	1005+91.19, 32.71' LT	BM SPIKE IN PPOL	1628.73

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 99	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\050202-PN.DWG
LAYOUT NAME - 15
PLOT DATE : 8/26/2021 8:24 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

X CLEARING AND GRUBBING

RIPRAP MEDIUM, UNLESS OTHERWISE NOTED
(SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)

PERMITTED WETLAND IMPACTS

N

BRIAN R BOERS

STATE DNR

STATE

WISCONSIN PUBLIC SERVICE CORPORATION
(GAS)

WISCONSIN PUBLIC SERVICE CORPORATION
(ELECTRIC)

FRONTIER COMMUNICATIONS OF WI LLC
(COMMUNICATION)

EX R/W

EX R/W

CP/BM #513
Y = 231,230.00
X = 322,147.47
ELEV = 1630.10
CP .75X24 REBAR SET W/BLUE CAP

THREE EAGLE TRAIL

5

5

BASE AGG
FE

1008 1010 1012 1014 USH 45 1016 1018 1020 1022

ASPH
PE

ASPH
PE

ASPH
PE

BASE AGG
PE

EX R/W

EX R/W

VALDORA M OTTO TRUST
MICHAEL PAUL OTTO

VALDORA M OTTO TRUST

JEFFREY N MULLER
CARLA A MUELLER

ROBERT A MACK

ALL INN
LLC

TADEUSZ DANIELAK
EVETTE DANIELAK

ALL INN LLC

RANGE LINE LAKE

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 100	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\050202-PN.DWG
LAYOUT NAME - 16

PLOT DATE : 8/26/2021 8:24 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- DELINEATED WETLAND BOUNDARY
- SLOPE INTERCEPT
- X — CLEARING AND GRUBBING
- RIPRAP MEDIUM, UNLESS OTHERWISE NOTED (SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)
- PERMITTED WETLAND IMPACTS

N

STATE

ROBERT J REKLAU

EX R/W

EX R/W

THREE EAGLE TRAIL

5

5

BASE AGG
FE

1022 1024 1026 1028 USH 45 1030 1032 1034 1036 N20°18'53"W

BASE AGG
FE

EX R/W

EX R/W

END CONSTRUCTION
1030+26, 54' RT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

CY WILLIAMS RD

TADEUSZ DANIELAK
EVETTE DANIELAK

HILGENDORF PROPERTIES

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 101	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\050202-PN.DWG
LAYOUT NAME - 17

PLOT DATE : 8/26/2021 8:24 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- DELINEATED WETLAND BOUNDARY
- SLOPE INTERCEPT
- X CLEARING AND GRUBBING
- RIPRAP MEDIUM, UNLESS OTHERWISE NOTED (SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)
- PERMITTED WETLAND IMPACTS

ROBERT J REKLAU

EDWARD J JACOBSEN TR
PAMELA SUE SADOWSKE TR

EX R/W

EX R/W

N

EDWARD J JACOBSEN TR
PAMELA SUE SADOWSKE TR

ROBERT J REKLAU

END CONSTRUCTION
1046+91, 50' LT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

WYKOWSKI RD

MOLLY A BELOFF

EX R/W

THREE EAGLE TRAIL

EX R/W

WISCONSIN PUBLIC SERVICE CORPORATION
(GAS)

WISCONSIN PUBLIC SERVICE CORPORATION
(ELECTRIC)

5

5

PC: 1038+73.33

1038 1040 1042 CURVE 6 1044 USH 45 1046 1048 1050 1052

N20°18'53"W

ASPH
CE

ASPH
CE

ASPH
CE

ASPH
CE

NGS

EX R/W

EX R/W

STA 1052+15
FULL DEPTH ASPHALTIC SURFACE AND
BASE AGGREGATE REPLACEMENT
(SEE CONSTRUCTION DETAILS)

CP/BM #520
Y = 235,189.82
X = 320,884.41
ELEV = 1639.25
NGS 7V78 BRASS CAP IN CONCRETE

MOLLY A BELOFF

FRONTIER COMMUNICATIONS OF WI LLC
(COMMUNICATION)

CURVE NO. 6
PI STA = 1047+37.73
Y = 234944.88
X = 320810.08
PC STA = 1038+73.33
Y=234134.24
X=321110.18
PT STA = 1055+88.60
Y=235808.27
X=320768.38
DELTA = 17°32'58"
D = 1°01'23"
T = 864.40'
L = 1715.27'
R = 5600.00'
EXISTING SE= 2.8%
SE TRANSITION (T)= 129'
RO (RUNOFF)= 75'
PROPOSED SE= 2.8%

HILGENDORF PROPERTIES

ROBERT COLLIN BELOFF

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 102	E

LEGEND

- DELINEATED WETLAND BOUNDARY
- SLOPE INTERCEPT
- X — CLEARING AND GRUBBING
- RIPRAP MEDIUM, UNLESS OTHERWISE NOTED (SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)
- PERMITTED WETLAND IMPACTS

N

UNNAMED OPEN WATER

MOLLY A BELOFF

MOLLY BELOFF

STEVEN C MADL

NICHOLAS J SCHREURS

STA 1052+69, LT&RT
CULVERT 43045003343
REMOVE 24" RCCP
24" CP CLASS III-A NON-METAL REQ'D
2-AEW REQ'D
0° SKEW
MARKERS FOR CULVERT END REQ'D

EX R/W

EX R/W

WISCONSIN PUBLIC SERVICE CORPORATION (GAS)

WISCONSIN PUBLIC SERVICE CORPORATION (ELECTRIC)

THREE EAGLE TRAIL

PT: 1055+88.60

PI: 1062+94.83

BASE AGG PE

CAUTION

1052 1054 CURVE 6 1056 N02°45'55"W 1058 USH 45 1060 1062 1064 1066 N02°37'34"W

Y = 236513.683
X = 320734.309

BASE AGG FE

EX R/W

FRONTIER COMMUNICATIONS OF WI LLC (COMMUNICATION)

STA 1053+23
FULL DEPTH ASPHALTIC SURFACE AND BASE AGGREGATE REPLACEMENT
(SEE CONSTRUCTION DETAILS)

GRADE DITCH LINE TO CONFORM TO THE PROPOSED CULVERT END

EX R/W

END CONSTRUCTION
1066+31, 66' RT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

SERENDIPITY LN

CURVE NO. 6
PI STA = 1047+37.73
Y = 234944.88
X = 320810.08
PC STA = 1038+73.33
Y=234134.24
X=321110.18
PT STA = 1055+88.60
Y=235808.27
X=320768.38
DELTA = 17°32'58"
D = 1°01'23"
T = 864.40'
L = 1715.27'
R = 5600.00'
EXISTING SE= 2.8%
SE TRANSITION (T)= 129'
RO (RUNOFF)= 75'
PROPOSED SE= 2.8%

MOLLY A BELOFF

ROBERT COLLIN BELOFF

DARLENE R BOEHM
JEFFREY B BOEHM

CAROL S BELOFF

EX R/W

EX R/W

UNNAMED OPEN WATER

UNNAMED OPEN WATER

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 103	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\050202-PN.DWG
LAYOUT NAME - 19

PLOT DATE : 8/26/2021 8:24 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

LEGEND

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

X CLEARING AND GRUBBING

RIPRAP MEDIUM, UNLESS OTHERWISE NOTED
(SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)

PERMITTED WETLAND IMPACTS

N

UNNAMED OPEN WATER

NICHOLAS J SCHREURS

STATE BCPL

EX R/W

THREE EAGLE TRAIL

PC: 1074+05.37

PT: 1079+72.65

PAVE SHOULDERS FOR SNOWMOBILE CROSSING
AND PROTECTIVE THERMOPLASTIC COATING
AT SNOWMOBILE CROSSING,
(SEE CONSTRUCTION DETAILS)

BASE AGG
PE

USH 45

CURVE 7

STATE BCPL

EX R/W

5

5

N02°37'34"W

1068

1070

1072

1074

1076

1078

1080

N03°02'46"E

1082

STATE BCPL

EX R/W

EX R/W

CURVE NO. 7
PI STA = 1076+89.24
Y = 237906.63
X = 320670.42
PC STA = 1074+05.37
Y=237623.06
X=320683.43
PT STA = 1079+72.65
Y=238190.10
X=320685.50
DELTA = 5°40'21"
D = 1°00'00"
T = 283.87'
L = 567.28'
R = 5730.00'
EXISTING SE= 2.7%
SE TRANSITION (T)= 125'
RO (RUNOFF)= 72'
PROPOSED SE= 2.7%

CAROL S BELOFF

LYNN'S NEW OPPORTUNITIES LLC

UNNAMED OPEN WATER

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 104	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\050202-PN.DWG
LAYOUT NAME - 20

PLOT DATE : 8/26/2021 8:25 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

X CLEARING AND GRUBBING

RIPRAP MEDIUM, UNLESS OTHERWISE NOTED
(SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)

PERMITTED WETLAND IMPACTS

N

STATE BCPL

NBA HOLDINGS LLC

THREE EAGLE TRAIL

CLEARWATER LAKE TRAIL

STATE DOT

STATE BCPL

END CONSTRUCTION
1088+89, 55' LT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

5 EX R/W EX R/W 5

BASE AGG
PE

1082 1084 1086 1088 1090 USH 45 1092 1094 1096

BASE AGG
CE

EX R/W EX R/W

LYNN'S NEW OPPORTUNITIES LLC

JONATHAN M LESNIAK

TIMOTHY M SCHLEY

ROBERT ST LOUIS

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 105	E

LEGEND

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

X CLEARING AND GRUBBING

RIPRAP MEDIUM, UNLESS OTHERWISE NOTED
(SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)

PERMITTED WETLAND IMPACTS

N

NBA HOLDINGS LLC

CURTIS G SCHOOLMAN

CYNTHIA M KLEMP

CYNTHIA M KLEMP

THREE LAKES
TOWNSHIP

5

EX R/W

BASE AGG
PE

1098 1100 1102 1104 USH 45 1106 1108 1110 1112

EX R/W

END CONSTRUCTION
1099+01, 74' RT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

BROWNS RD

ROBERT ST LOUIS

DALE D SAFER

KENNETH P MEDICK
SUSAN W MEDICK

JEROME R SCHWANEBECK
LINDA L SCHWANEBECK

JACOB A BENDER
ELIZABETH A BENDER

CAREY T HARDER
KARI A HARDER

EX R/W

EX R/W

5

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 106	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\050202-PN.DWG
LAYOUT NAME - 22

PLOT DATE : 8/26/2021 8:25 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

X CLEARING AND GRUBBING

RIPRAP MEDIUM, UNLESS OTHERWISE NOTED
(SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)

PERMITTED WETLAND IMPACTS

N

5

5

LAWRENCE M BACON

TODD STEBBEDS
SUSAN M STEBBEDS

JASON STEBBEDS

GARY K STEBBEDS

RESIDUAL GROUNDWATER CONTAMINATION

PC: 1121+74.92

EX R/W

BASE AGG FE

BASE AGG PE

1112 1114 1116 1118 USH 45 1120 1122 1124 CURVE 8 1126

N03°02'46"E

ASPH PE

END CONSTRUCTION
1122+87, 58' RT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

RESIDUAL SOIL CONTAMINATION

JEFFRY T FIEDLER TR

LIGHTHOUSE LODGE RD

PATRICK VOLK

OBRENSKI LIVING TRUST

CAREY T HARDER
KARI A HARDER

JANE HINDEN BACON

CURVE NO. 8
PI STA = 1126+43.82
Y = 242854.67
X = 320933.74
PC STA = 1121+74.92
Y=242386.43
X=320908.82
PT STA = 1131+10.45
Y=243320.36
X=320879.04
DELTA = 9°44'45"
D = 1°02'30"
T = 468.90'
L = 935.53'
R = 5500.00'
EXISTING SE= 3.0%
SE TRANSITION (T)= 133'
RO (RUNOFF)= 80'
PROPOSED SE= 3.0%

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 107	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\050202-PN.DWG
LAYOUT NAME - 23

PLOT DATE : 8/26/2021 8:25 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

X CLEARING AND GRUBBING

RIPRAP MEDIUM, UNLESS OTHERWISE NOTED
(SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)

PERMITTED WETLAND IMPACTS

N

JEFFREY R STEBBEDS
KELLY L STEBBEDS

JEFFREY R STEBBEDS
KELLY L STEBBEDS

WILLIAM C HREN
KAREN S HREN

ADAM GOHLKE

C SCHROECKENTHALER
TR ETAL

CATHOLIC BISHOP
OF CHICAGO

PETER J BALTUS TRUST

EX R/W

EX R/W

ST MARYS RD

EX R/W

EX R/W

5

5

PT: 1131+10.45

END CONSTRUCTION
1133+95, 52' LT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

BASE AGG
PE

BASE AGG
PE

ASPH
PE

ASPH
PE

ASPH
PE

1128

CURVE 8

1130

1132

N06°41'59"W

1134

USH 45

1136

1138

1140

1142

ASPH
PE

BASE AGG
PE

BASE AGG
PE

BASE AGG
PE

BASE AGG
PE

BASE AGG
PE

EX R/W

EX R/W

CURVE NO. 8
PI STA = 1126+43.82
Y = 242854.67
X = 320933.74
PC STA = 1121+74.92
Y=242386.43
X=320908.82
PT STA = 1131+10.45
Y=243320.36
X=320879.04
DELTA = 9°44'45"
D = 1°02'30"
T = 468.90'
L = 935.53'
R = 5500.00'
EXISTING SE= 3.0%
SE TRANSITION (T)= 133'
RO (RUNOFF)= 80'
PROPOSED SE= 3.0%

JEFFREY T MCGRATH
CYNTHIA A MCGRATH

WIS CONF OF
7TH DAY ADV

WIS CONF OF 7TH DAY ADV

ED HOLTORP

EDWARD HOLTORP ETAL

OBRENSKI LIVING TRUST

UNNAMED OPEN WATER

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 108	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\050202-PN.DWG
LAYOUT NAME - 24

PLOT DATE : 8/26/2021 8:25 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

X CLEARING AND GRUBBING

RIPRAP MEDIUM, UNLESS OTHERWISE NOTED
(SEE EROSION CONTROL PLANS & CONSTRUCTION DETAILS)

PERMITTED WETLAND IMPACTS

N

5

5

CATHOLIC BISHOP OF CHICAGO

CATHOLIC BISHOP OF CHICAGO

CATHOLIC BISHOP OF CHICAGO

CATHOLIC BISHOP OF CHICAGO

ONEIDA COUNTY

VILAS COUNTY

LAWRENCE GOHLKE
RICHARD GOHLKE

EX R/W

EP: 1151+49.97

EX R/W

BASE AGG
PE

BASE AGG
PE

1140 1142 N06°41'59"W 1144 USH 45 1146 1148 1150

BASE AGG
PE

EX R/W

Y = 245196.846
X = 320658.613

END PROJECT
STA 1149+56
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

EX R/W

ASPH
PE

END CONSTRUCTION
1147+45, 96' RT
BUTT JOINT REQ'D
(SEE CONSTRUCTION DETAILS)

ONEIL RD

EX R/W

EX R/W

NORTH WISCONSIN CONFERNC ASSOC

CHRISTOPHER J NOVY
LAURIE L NOVY

EDWARD HOLTORP ETAL

GARY HOLTORP

KORTH LAKE

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	PLAN	SHEET 109	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\050202-PN.DWG
LAYOUT NAME - 25

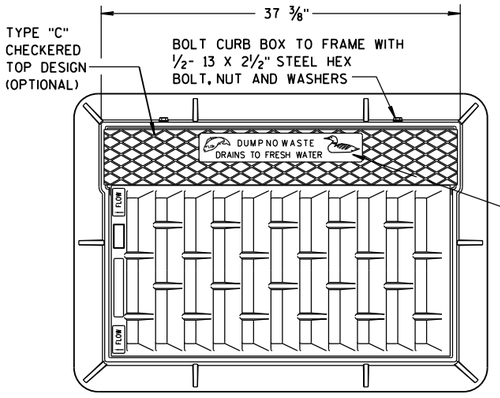
PLOT DATE : 8/26/2021 8:25 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

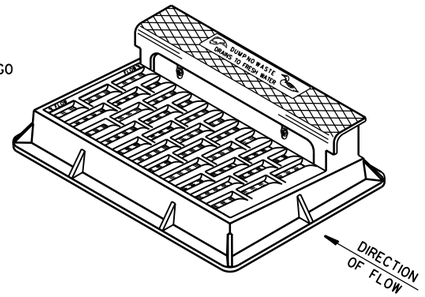
Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-02	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
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
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
11B02-02	CONCRETE MEDIAN NOSE
13A11-03A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-03B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13C19-03	HMA LONGITUDINAL JOINTS
14B29-01	SAFETY EDGE
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08F	ADVANCED WIDTH RESTRICTION SIGNING
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-05A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-05C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C19-06A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-04A	PAVEMENT MARKING (INTERSECTIONS)
15C35-04B	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15C36-01	PARKING STALL MARKING
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
15D45-03	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
15D48-01	TRAFFIC CONTROL, LANE SHIFT IN FLAGGING OPERATION

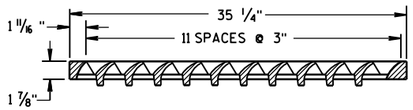
6

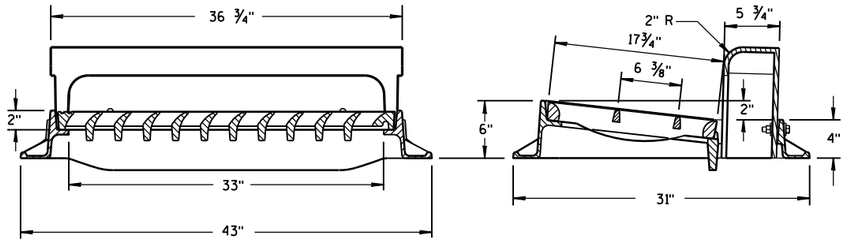


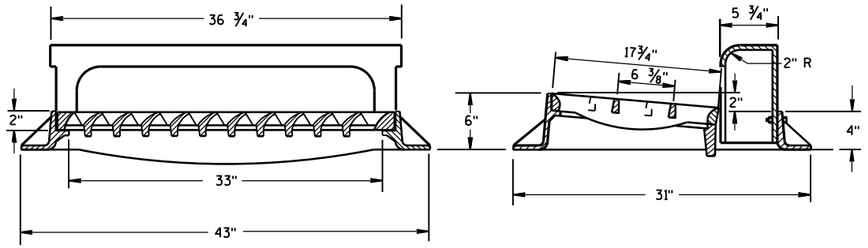
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

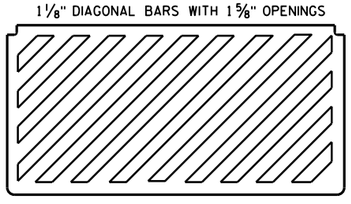






TYPE "H"

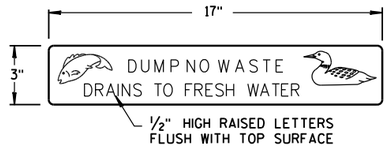
NOTE: EITHER CASTING IS ACCEPTABLE



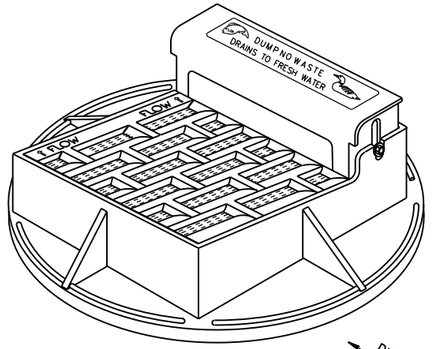
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

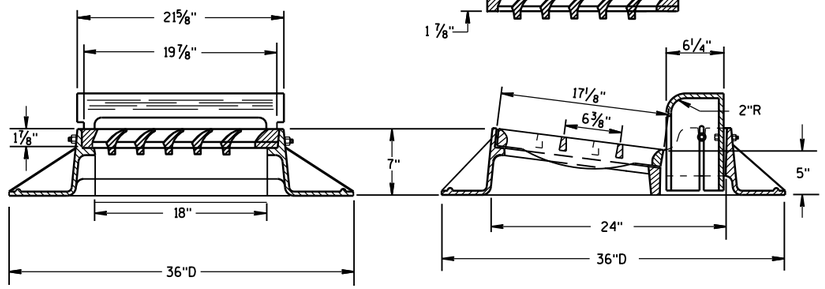


LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

NOTE:
GRATE IS REVERSIBLE.



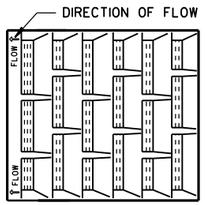
TYPE "A"

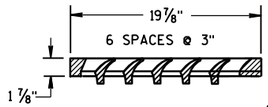
GENERAL NOTES

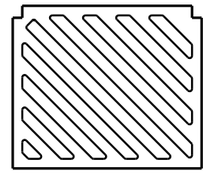
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



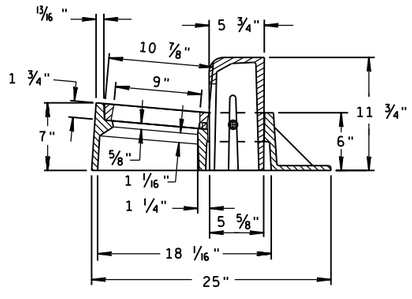


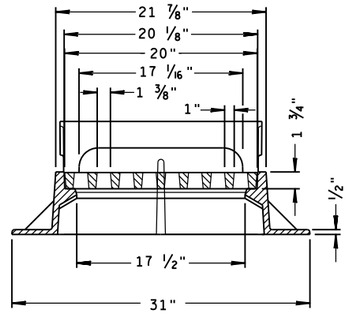


SPECIAL GRATE FOR TYPE "A" COVER

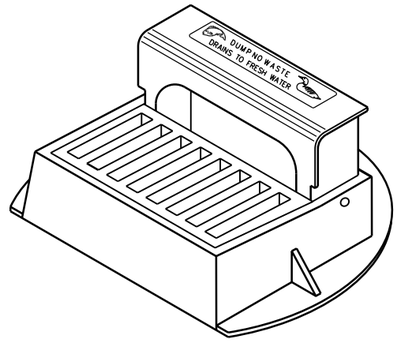
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"



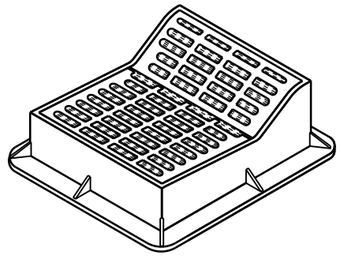
INLET COVERS TYPE A, H, A-S, H-S & Z

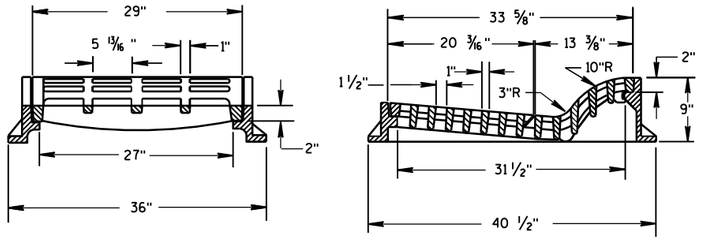
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

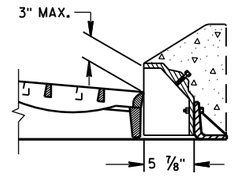
S.D.D. 8 A 5-19a





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

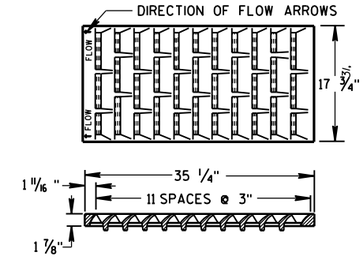
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

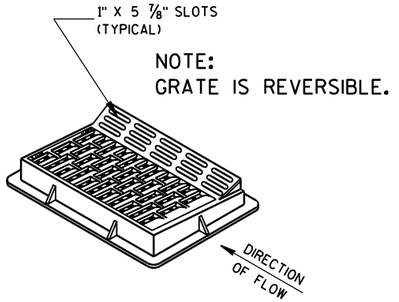
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

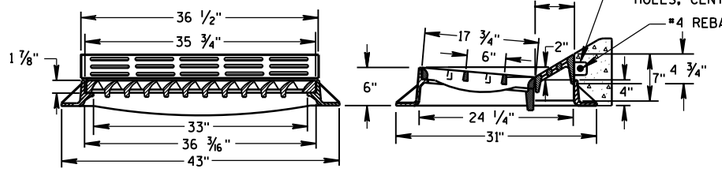
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



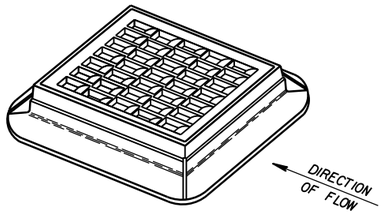


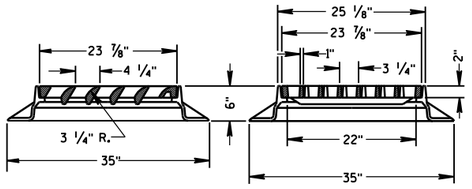


TYPE "HM"

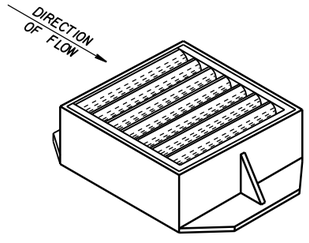
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

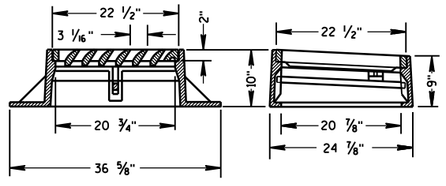
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



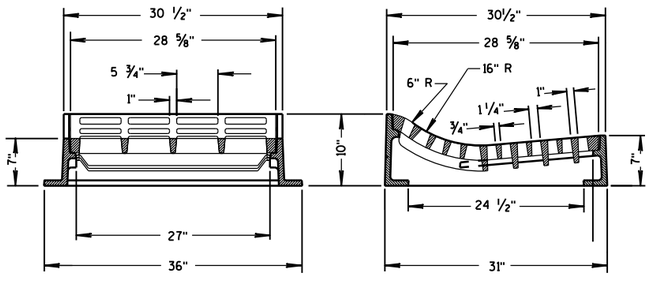


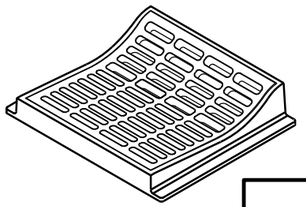
TYPE "S"





TYPE "V"





TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.

INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

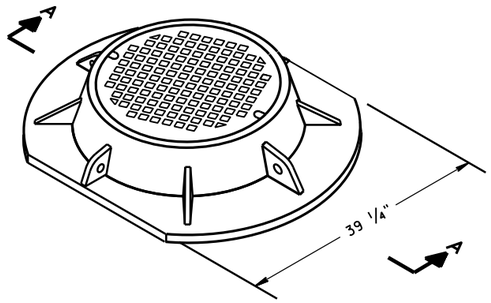
APPROVED
11/27/2013
DATE

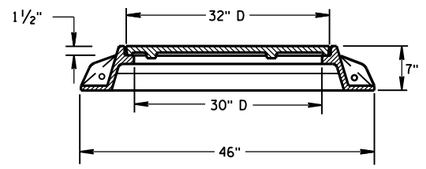
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

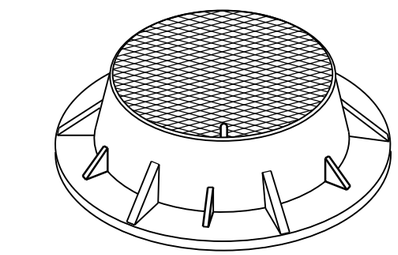
6

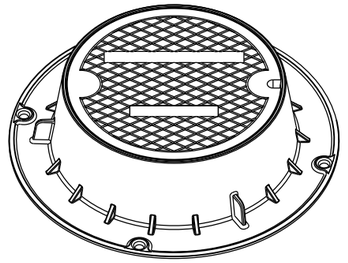
S.D.D. 8 A 5-19c

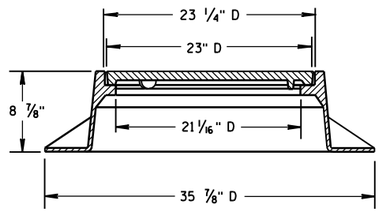


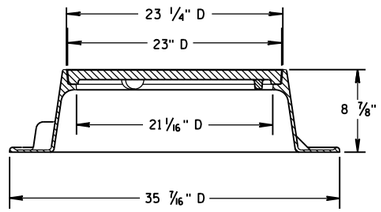


SECTION A-A
TYPE "K"









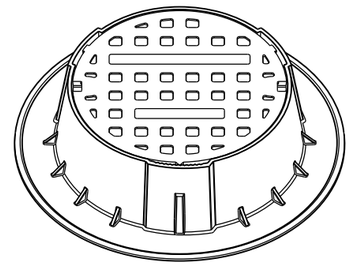
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

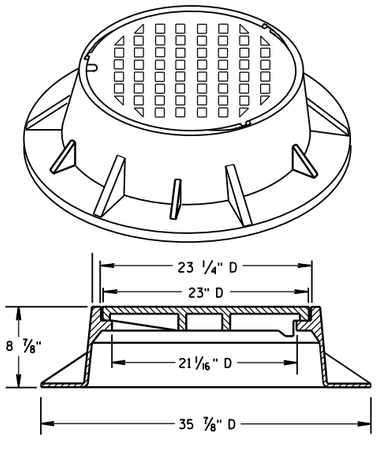
GENERAL NOTES

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.

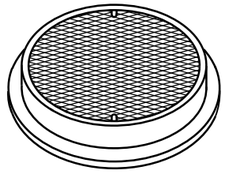
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

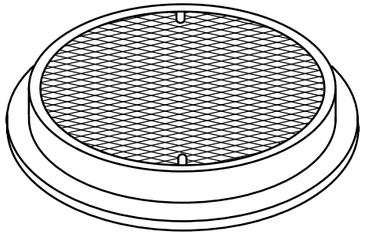
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

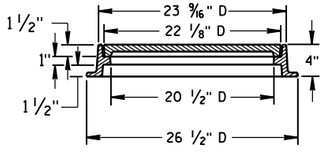




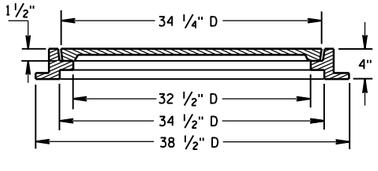
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



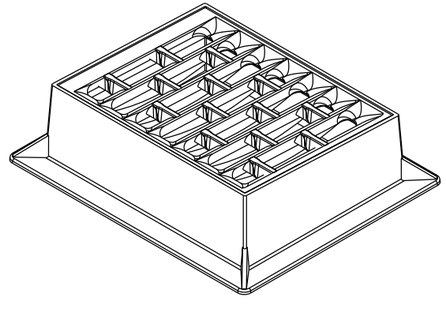


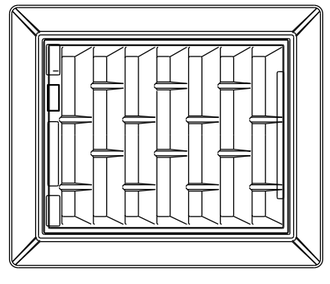


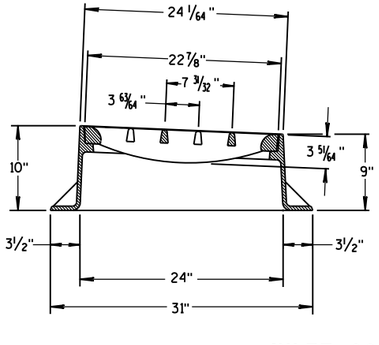
TYPE "L"

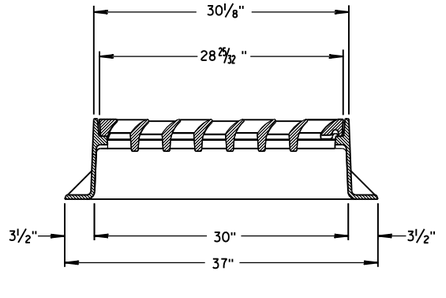


TYPE "M"









INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

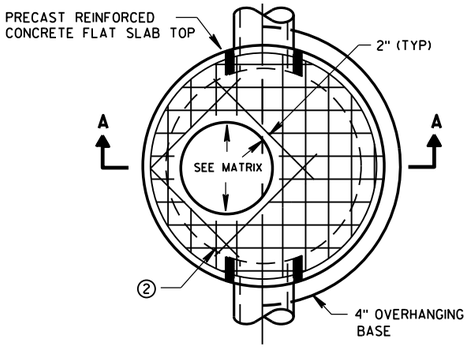
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

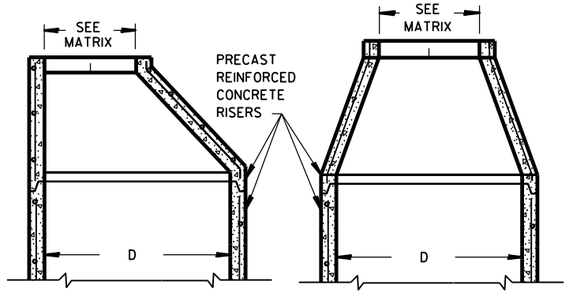
S.D.D. 8 A 5-19d

6

S.D.D. 8 A 5-19d

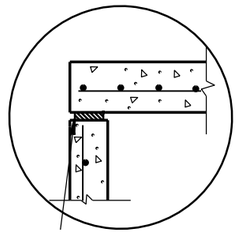


PLAN VIEW CIRCULAR OPENING

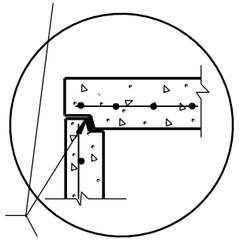


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

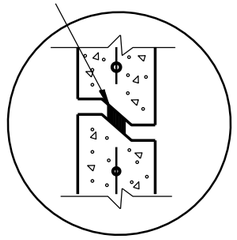


TOP WITH PLAIN END JOINT



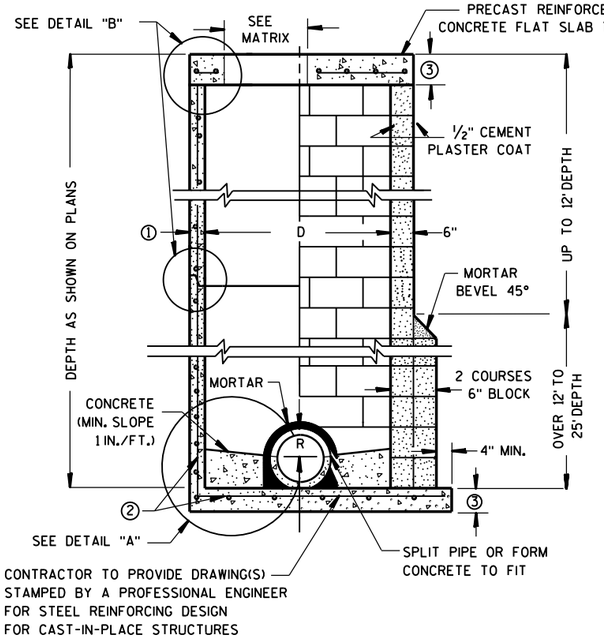
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



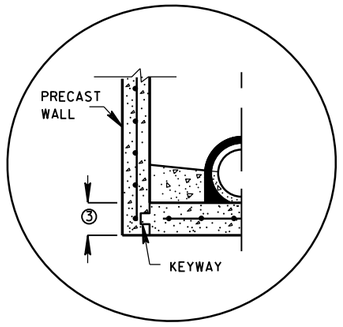
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

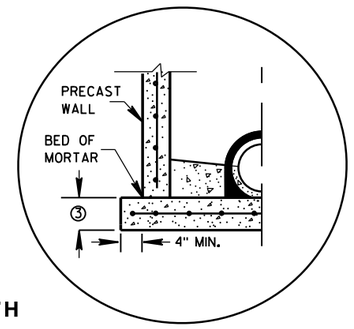


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

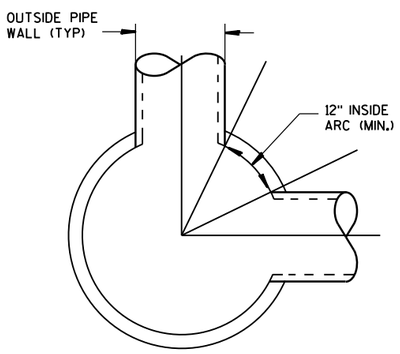


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



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 CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED 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 ½" 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.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

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, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES 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".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE 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	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept., 2016
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

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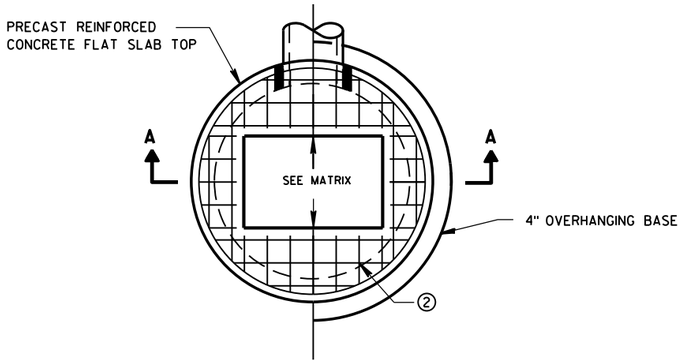
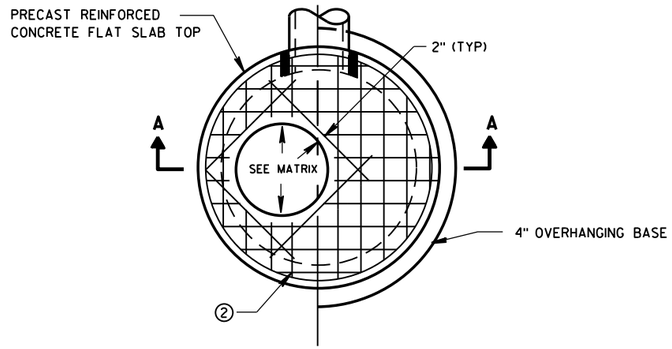
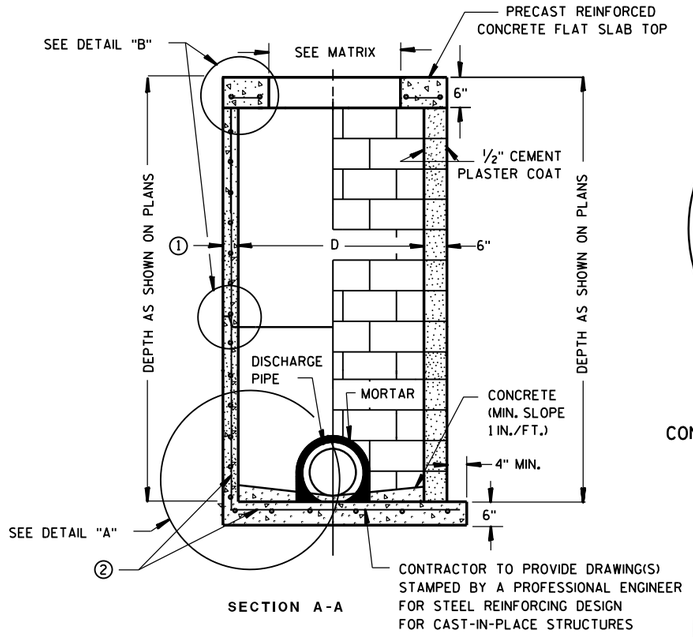


PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

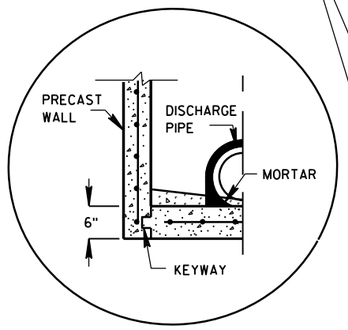


SECTION A-A

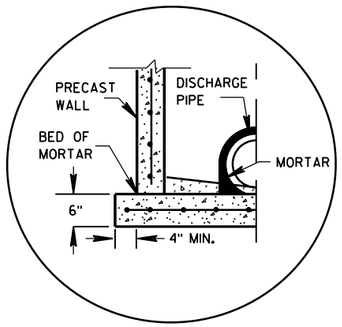
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

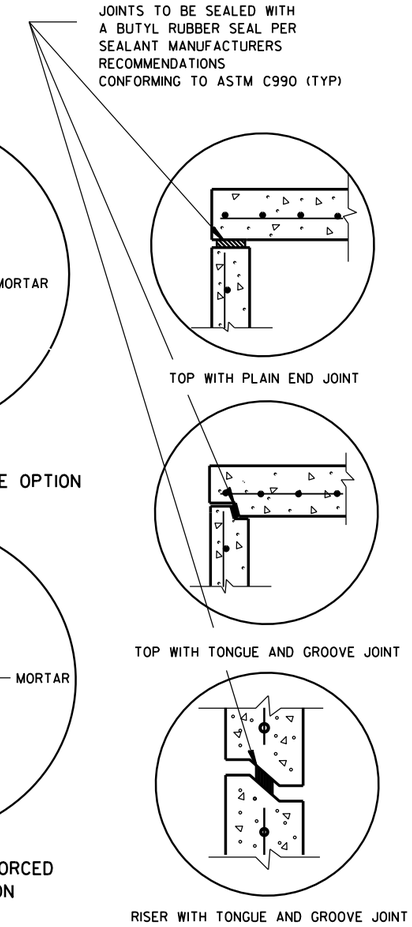


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



TOP WITH PLAIN END JOINT

TOP WITH TONGUE AND GROOVE JOINT

RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

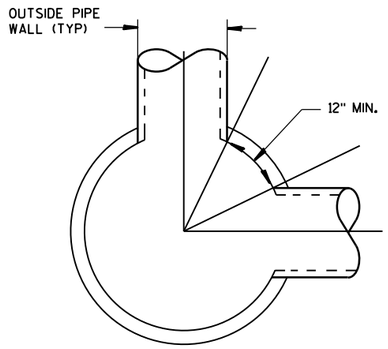
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
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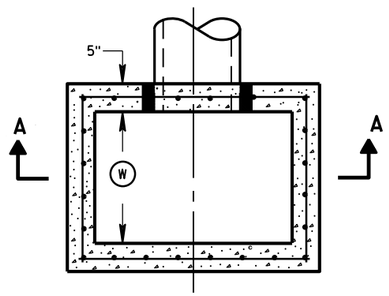
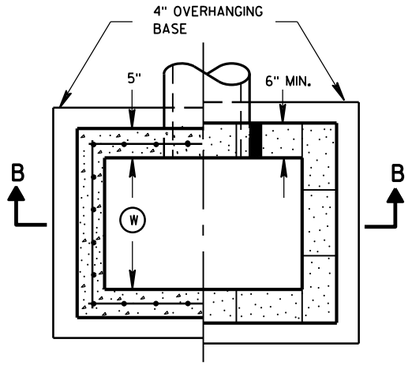
S.D.D. 8 C 6-2

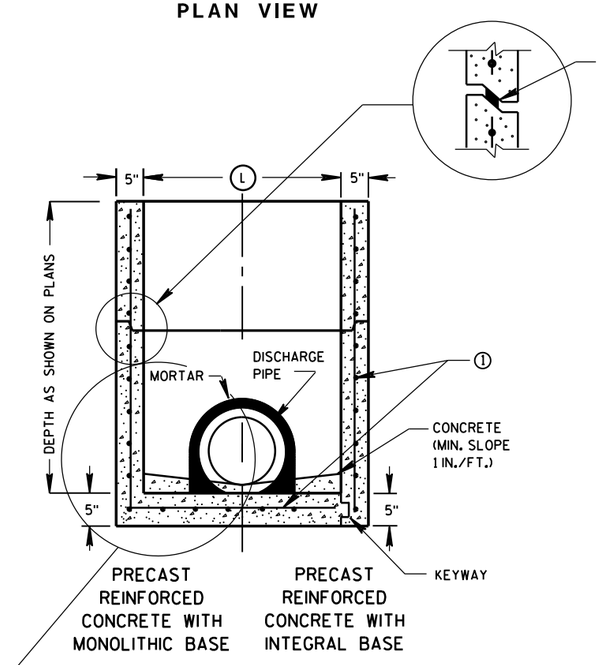
INLETS 3-FT AND 4-FT DIAMETER



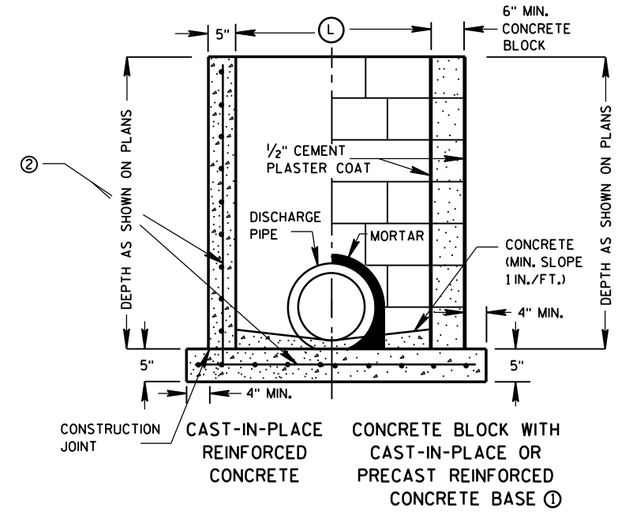
PLAN VIEW



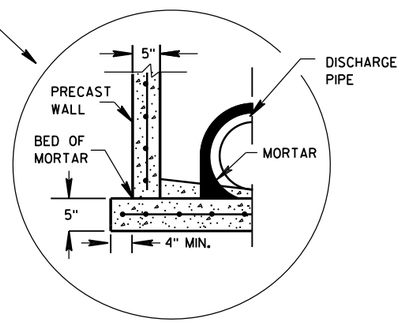
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

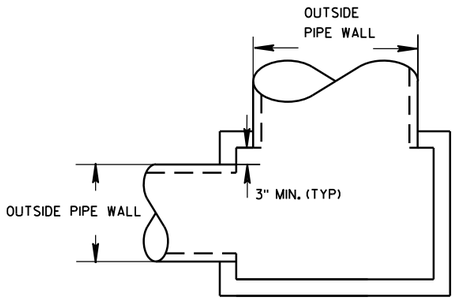
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
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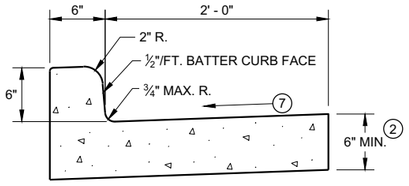
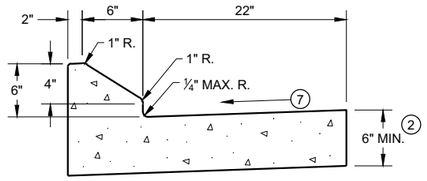
ROADWAY STANDARDS D IT UNIT SUPERVIS
FHWA

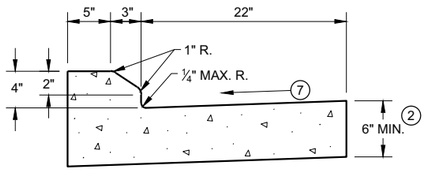
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT



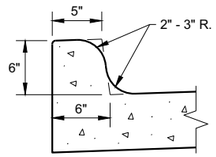
TYPES A (1) & D



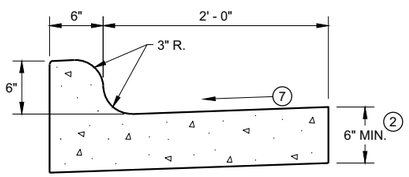
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

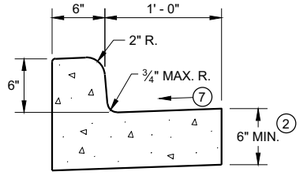


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



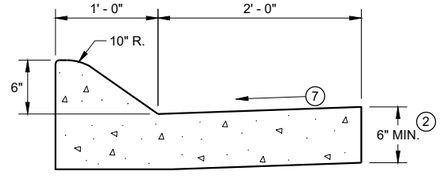
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

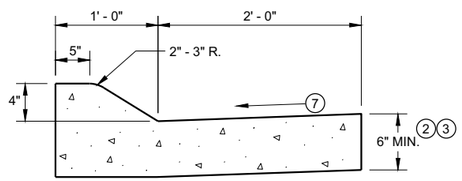


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

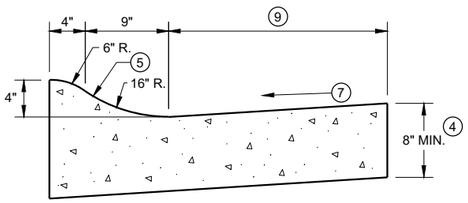


6" SLOPED CURB TYPES A (1) & D



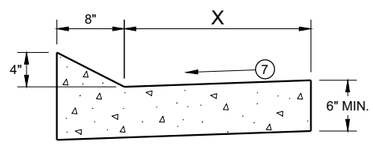
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

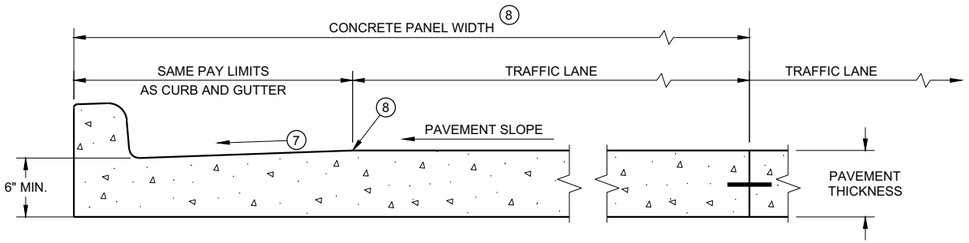


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

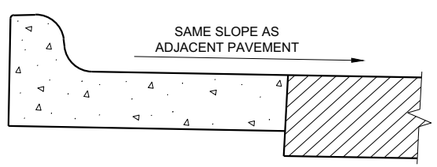
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

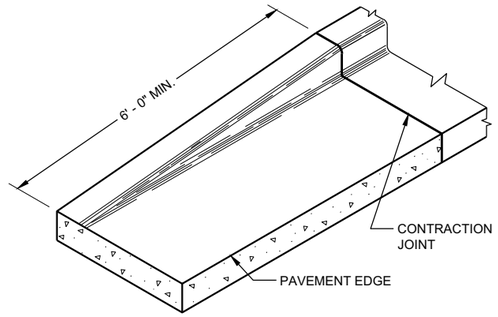
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

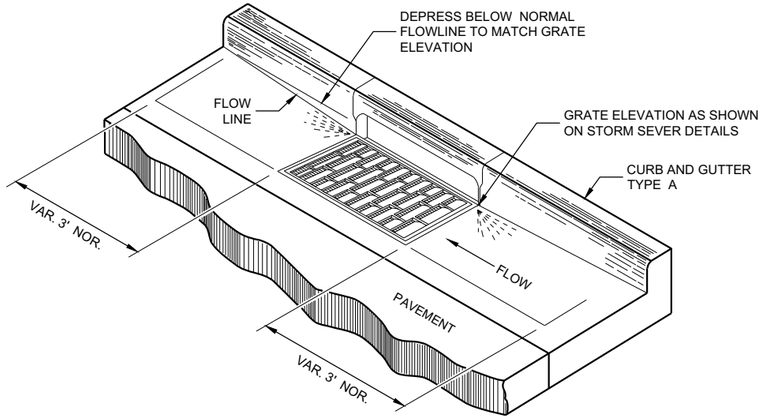
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D01 - 22a



END SECTIONCURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

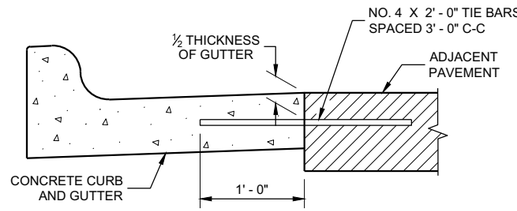
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

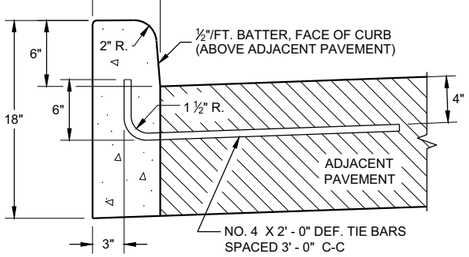
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

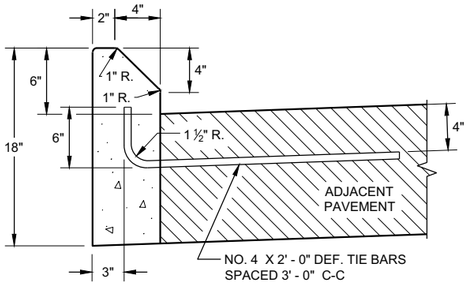
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

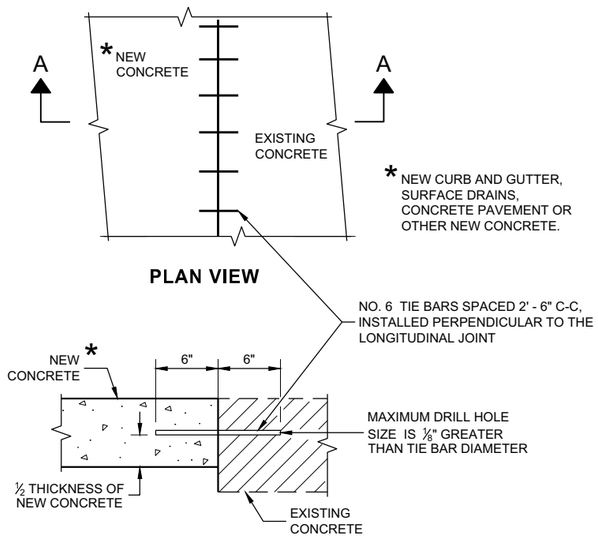


TYPES A (1) & D

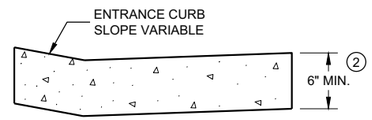


TYPES G (1) & J

CONCRETE CURB



TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

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SDD08D01 - 22b

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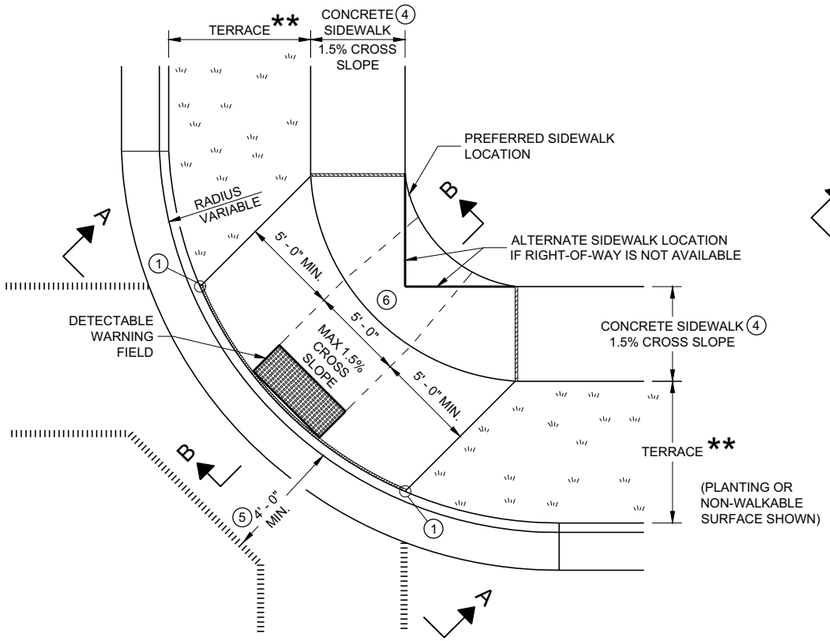
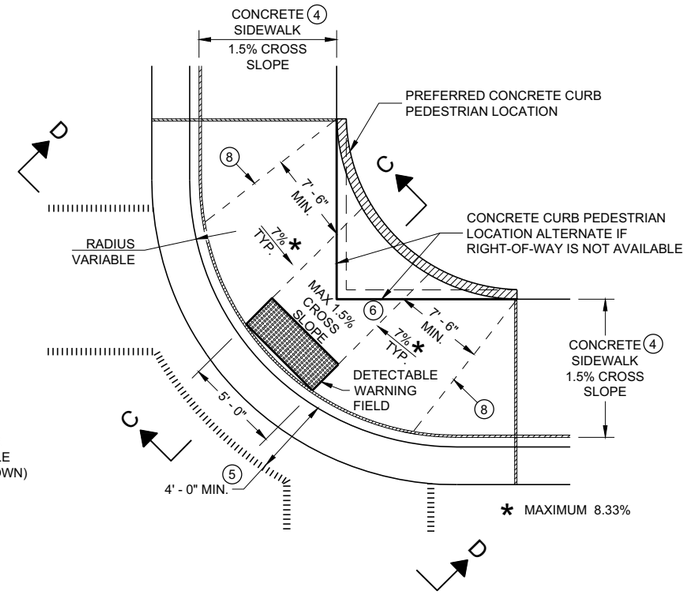
SDD08D01 - 22b



PLAN VIEW

CURB RAMP TYPE 1

(CENTER OF CORNER RADIUS)



PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

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 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.

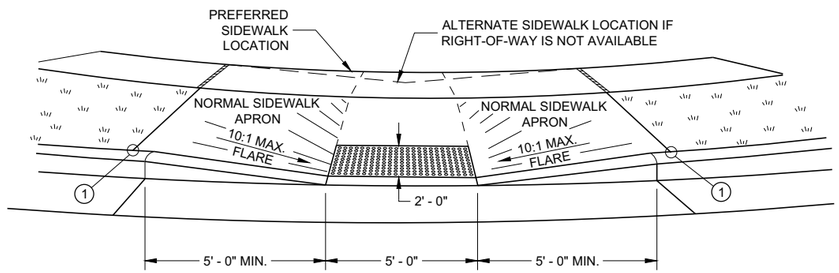
(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

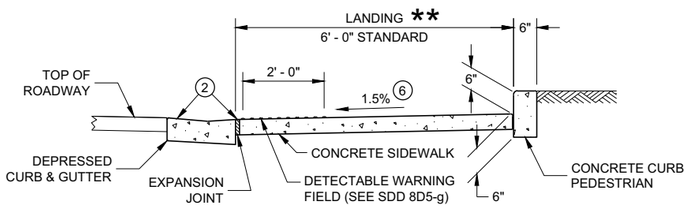
(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(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.



VIEW A - A FOR TYPE 1

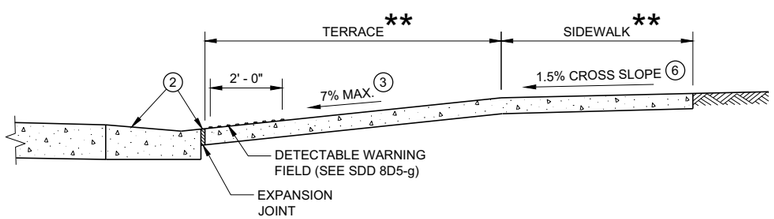


SECTION C - C FOR TYPE 1 - A

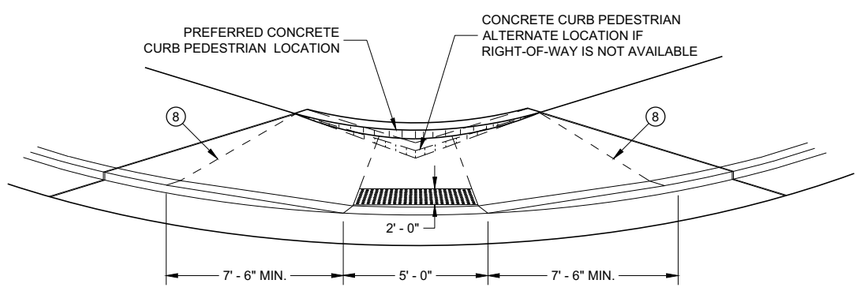
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



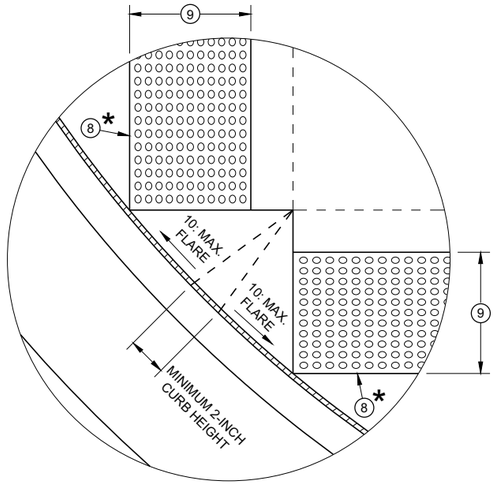
VIEW D - D FOR TYPE 1 - A

CURB RAMPS
TYPE 1 AND 1-A

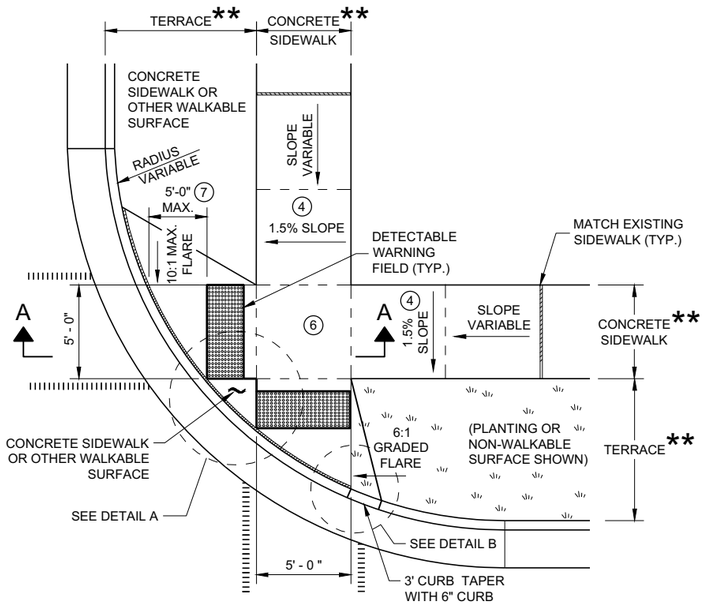
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05 - 20a

SDD 08D05 - 20a



DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)

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.

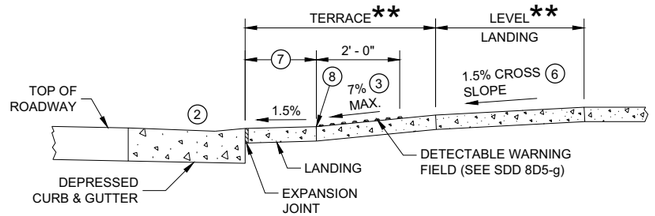
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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.

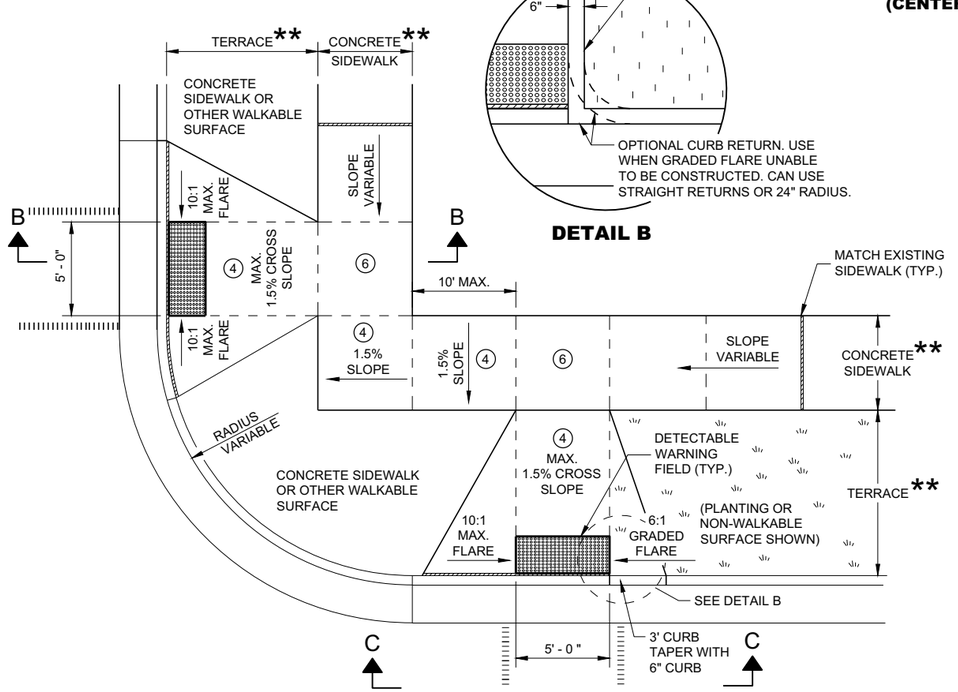
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

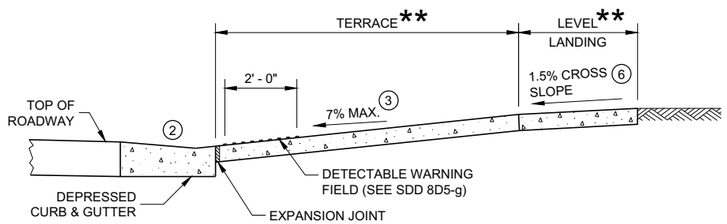
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS



DETAIL B

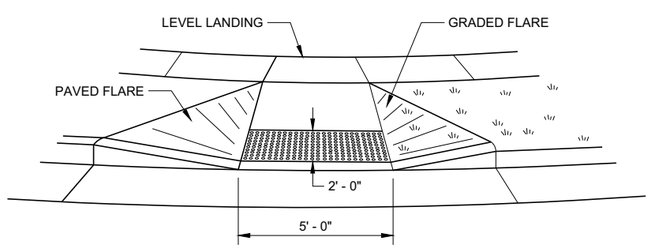
PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



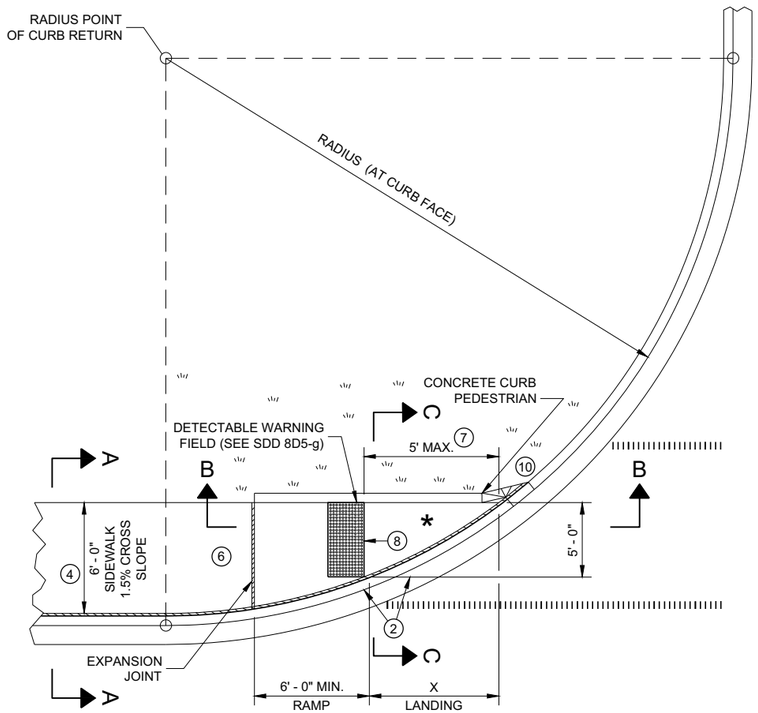
VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20b

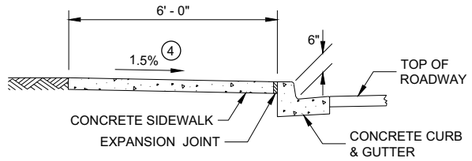


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

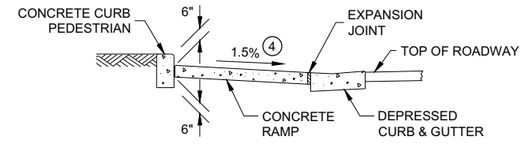
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

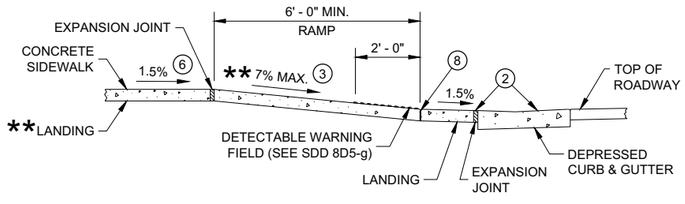
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



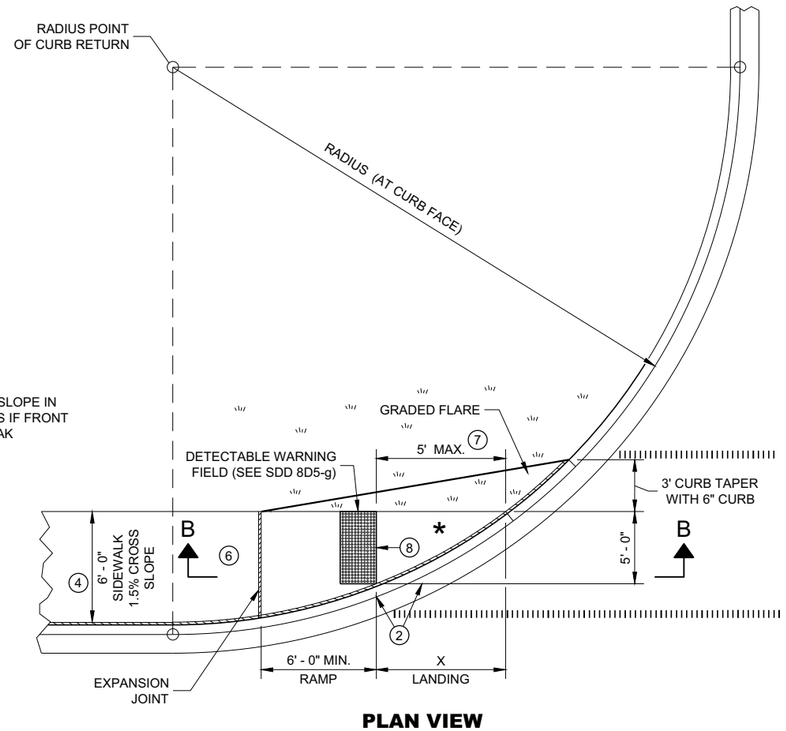
SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

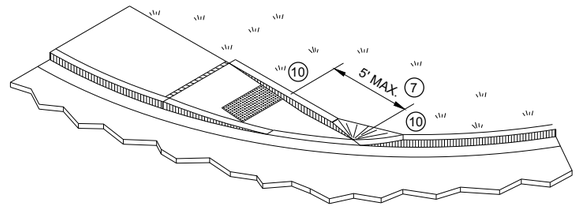
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

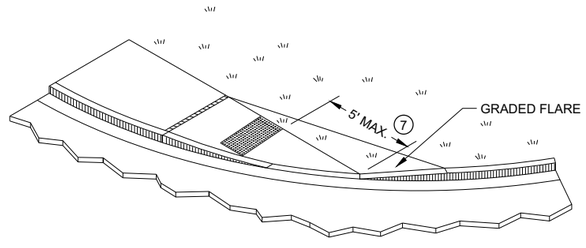


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



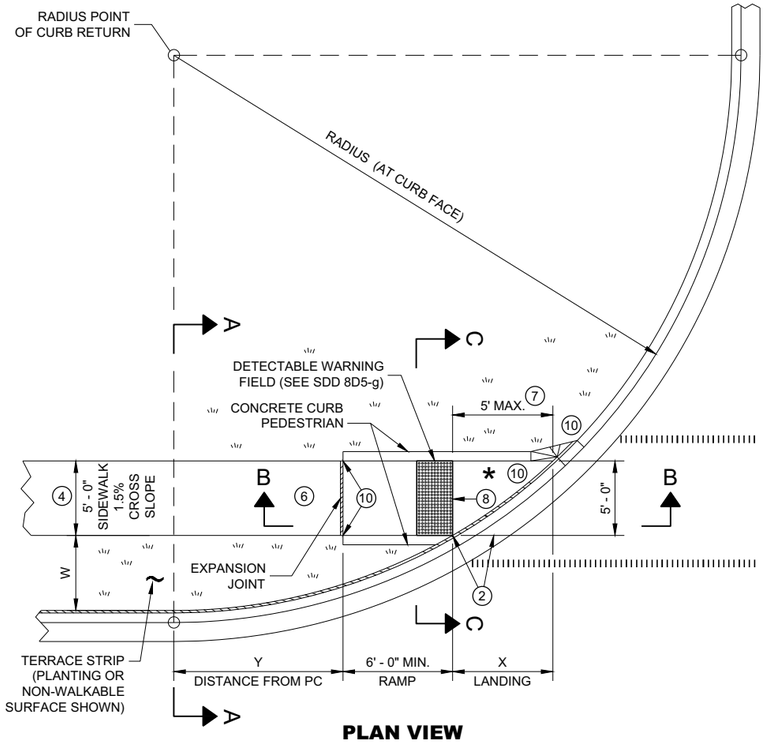
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20c



PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

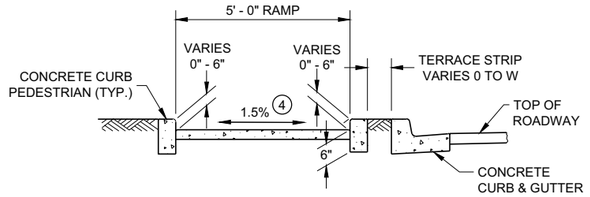
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

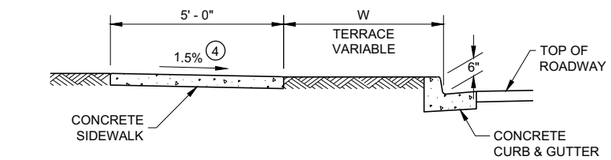
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

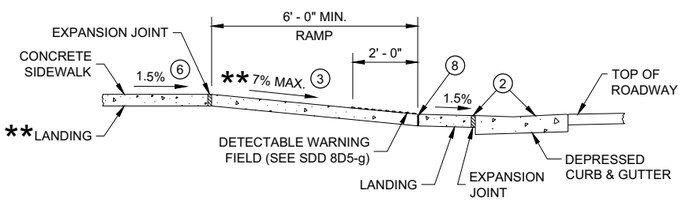
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



SECTION C - C FOR TYPE 4B



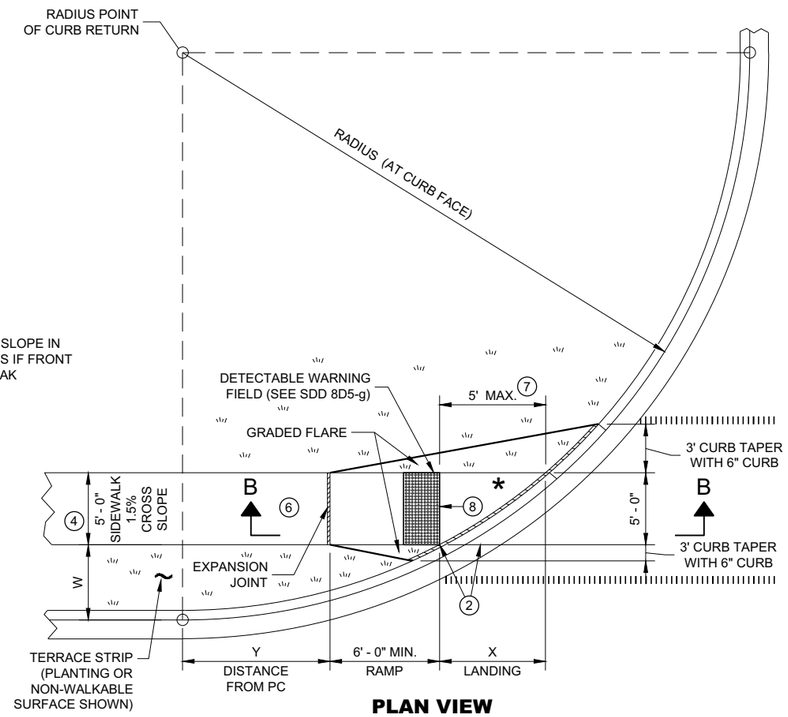
SECTION A - A FOR TYPE 4B



SECTION B - B FOR TYPE 4B AND TYPE 4B1

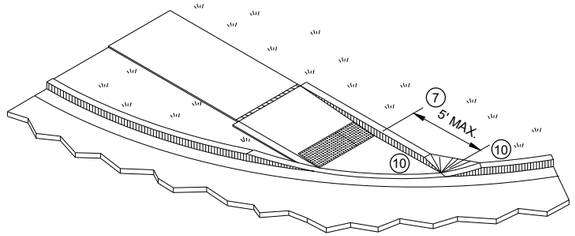
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

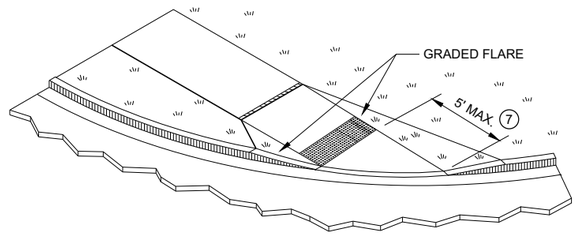


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



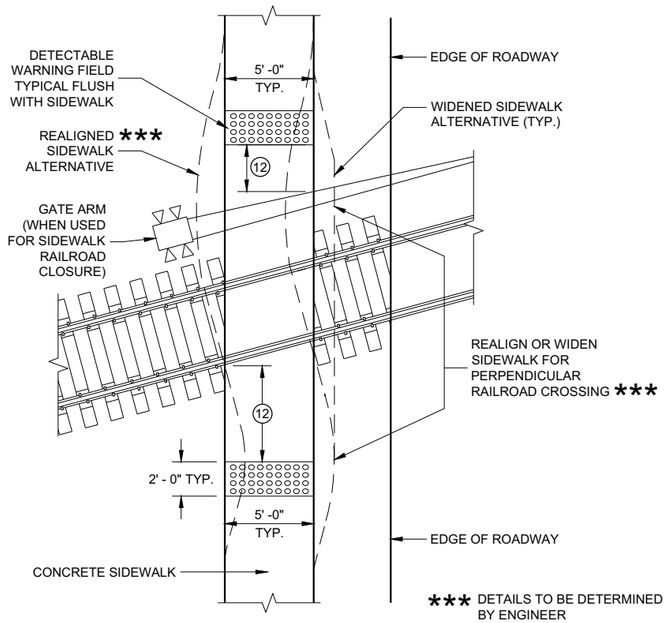
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

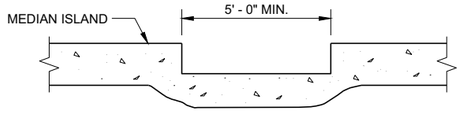
6

SDD 08D05 - 20d

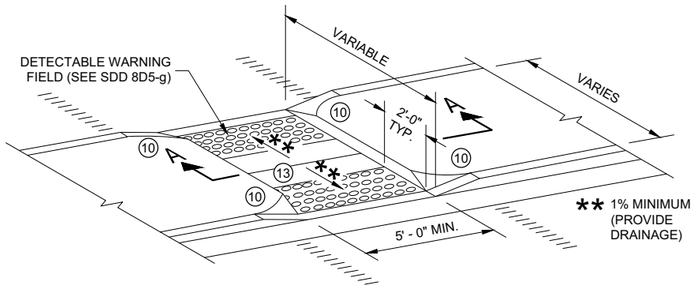


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 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.

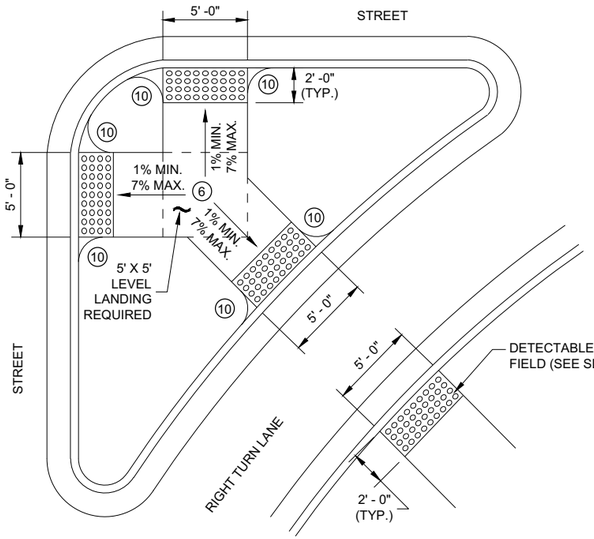
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

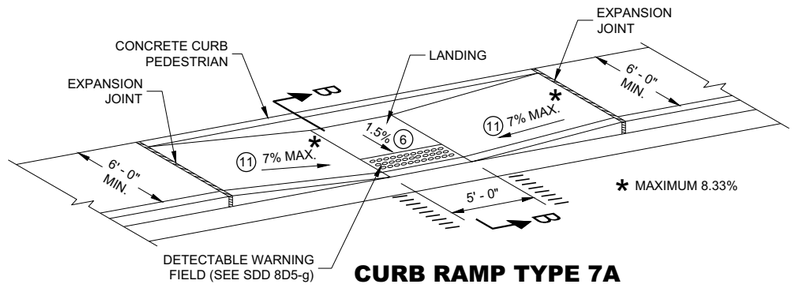
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

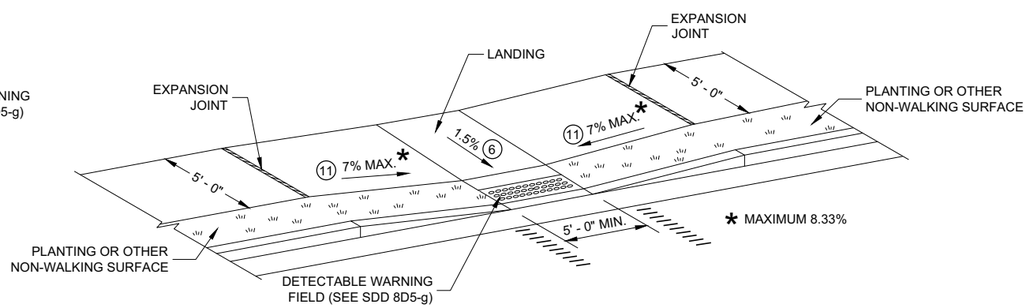
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

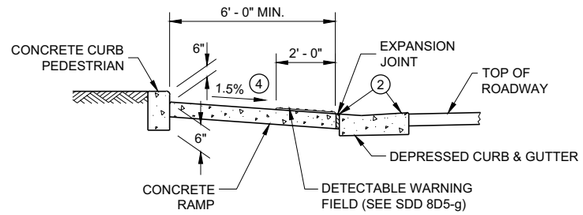
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.



SECTION B - B FOR TYPE 7A

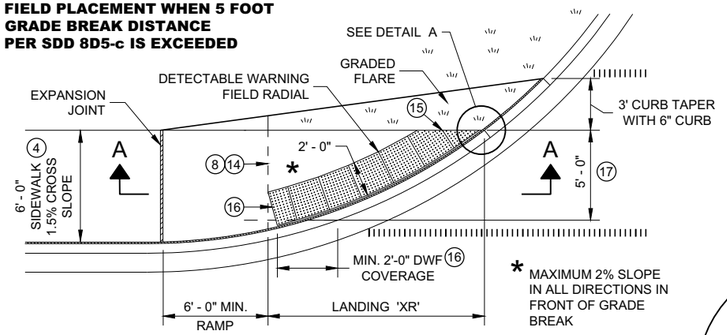
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05 - 20e

SDD 08D05 - 20e

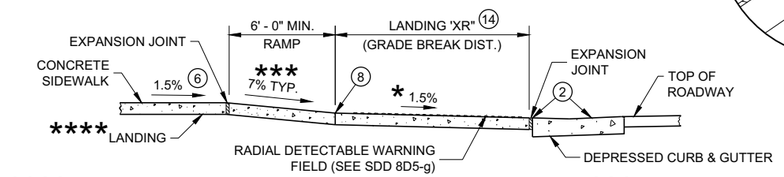
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

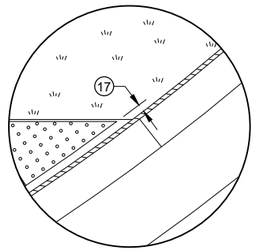
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

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.

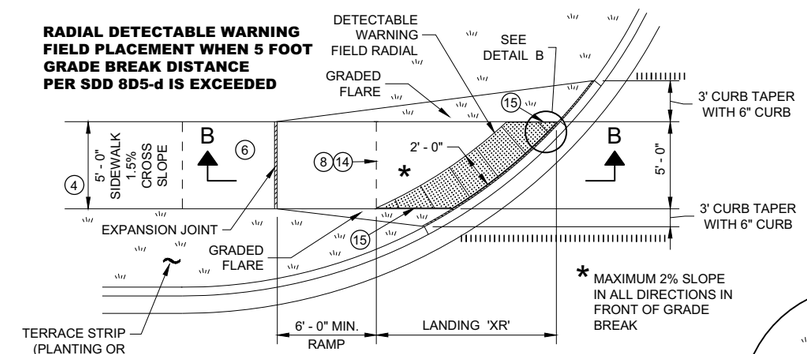
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(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 WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

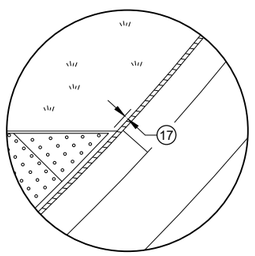
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



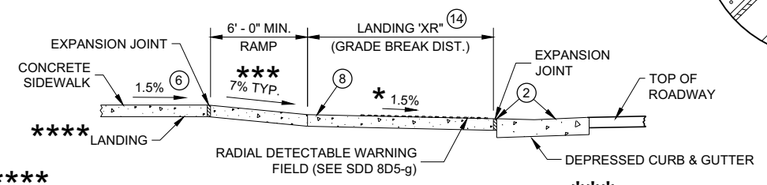
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

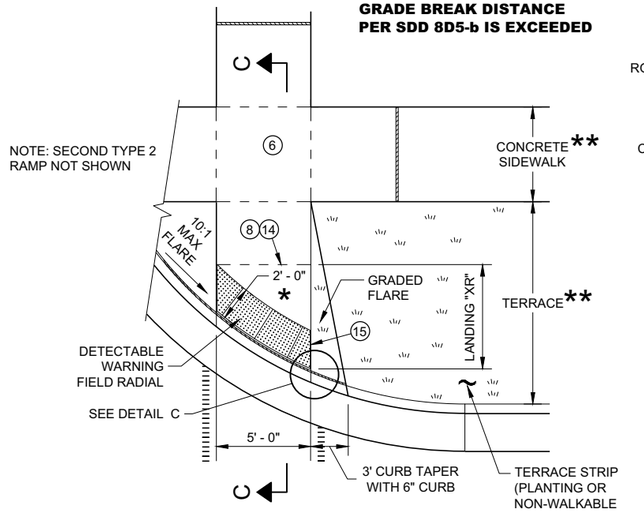


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

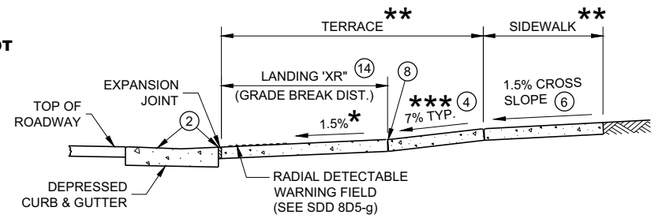


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

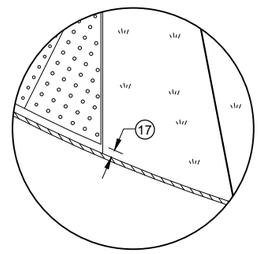


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

CURB RAMPS
RADIAL DETECTABLE WARNING FIELD APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

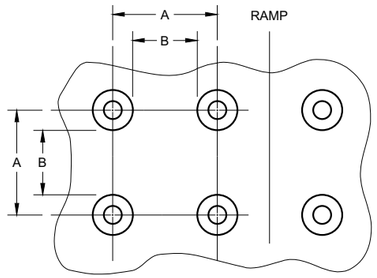
SDD 08D05 - 20f

6

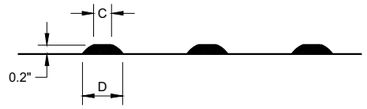
SDD 08D05 - 20f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

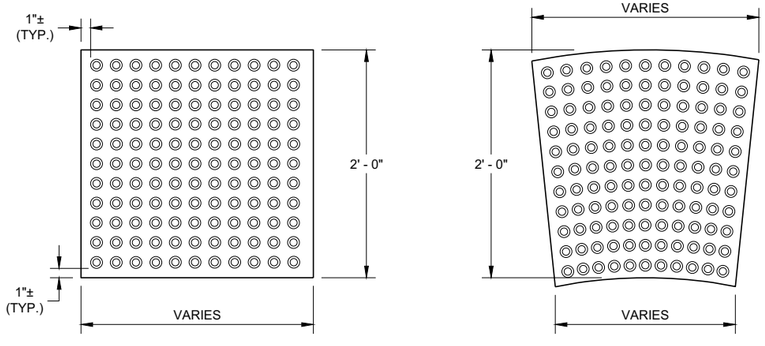


PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

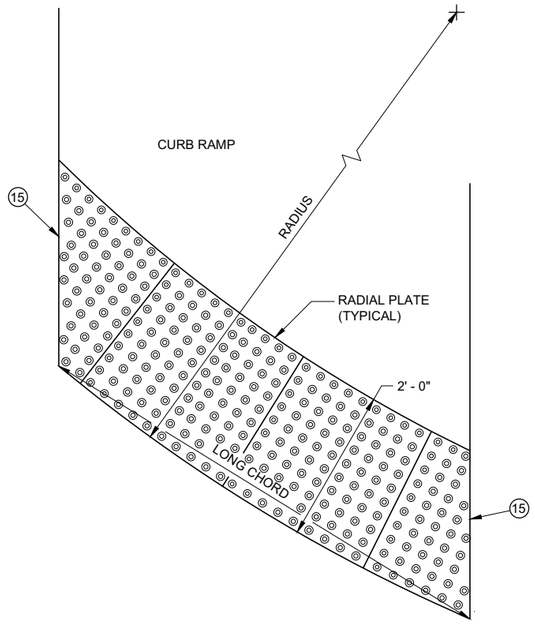
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

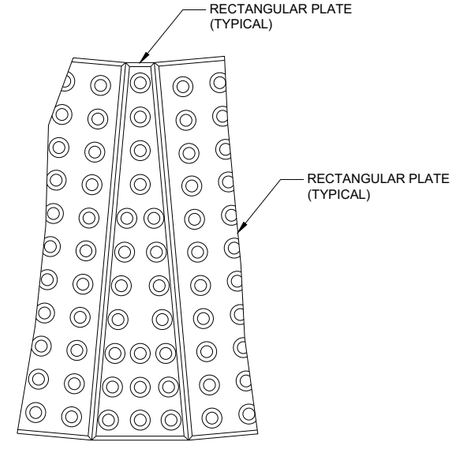
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

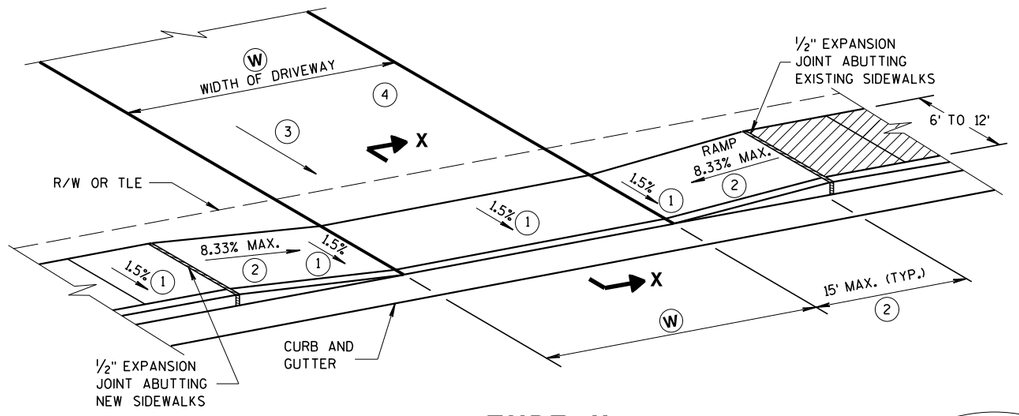
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

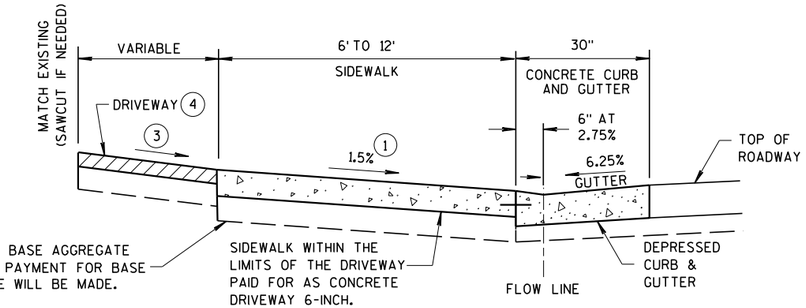
FHWA

6

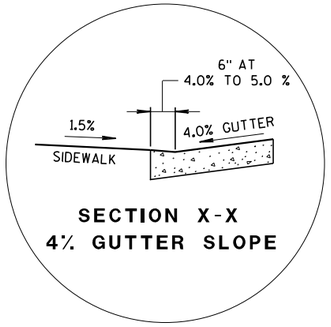
SDD 08D05 - 20g



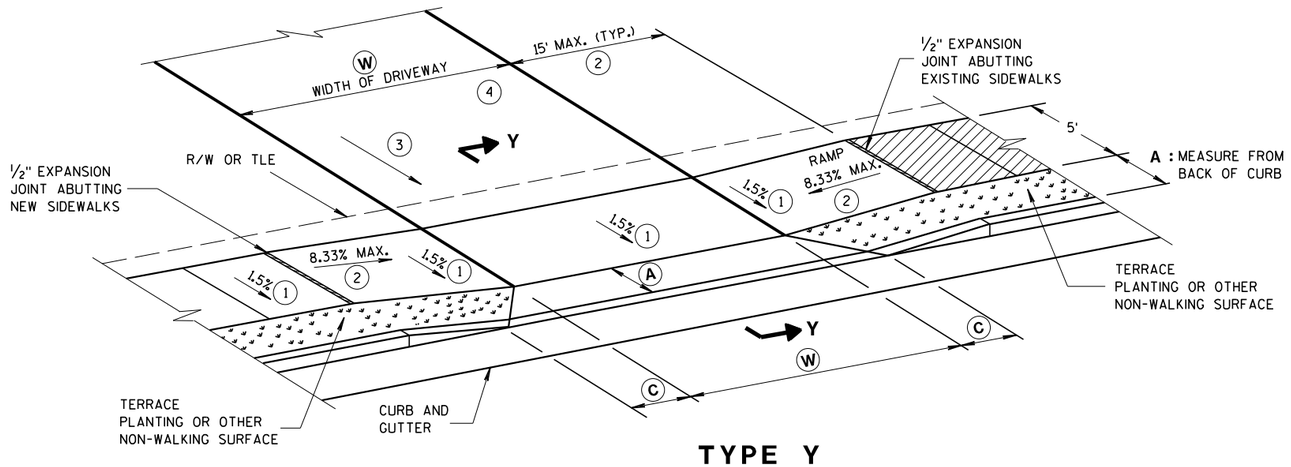
TYPE X
SIDEWALK ABUTS CURB & GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X-X



SECTION X-X
4% GUTTER SLOPE



TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)
16' MIN. - 35' MAX. COMMERCIAL (CE)

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.

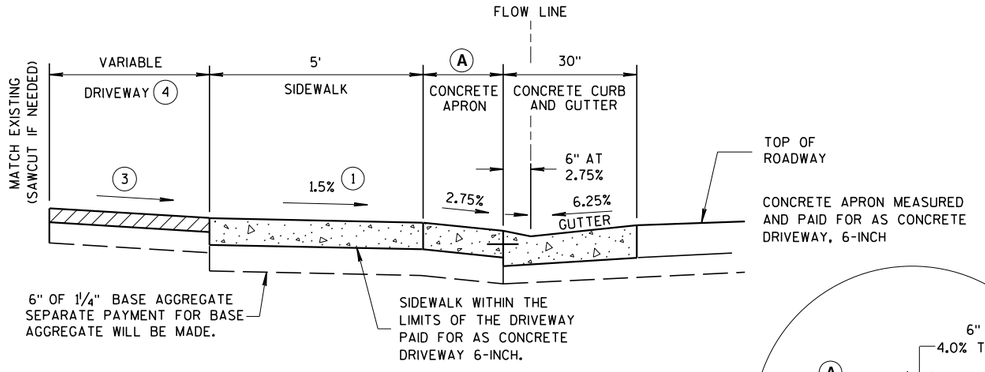
OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(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. 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

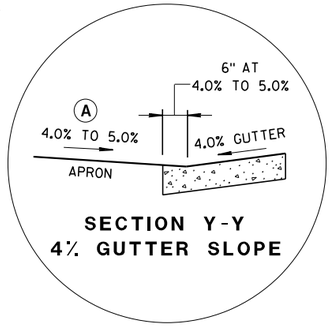
(4) DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES)



NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y-Y

DRIVEWAY DETAIL
WITH CONCRETE CURB & GUTTER
(URBAN AND SUBURBAN)



SECTION Y-Y
4% GUTTER SLOPE

TABLE Y

(A) FEET	(C) FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'

NOT TO SCALE

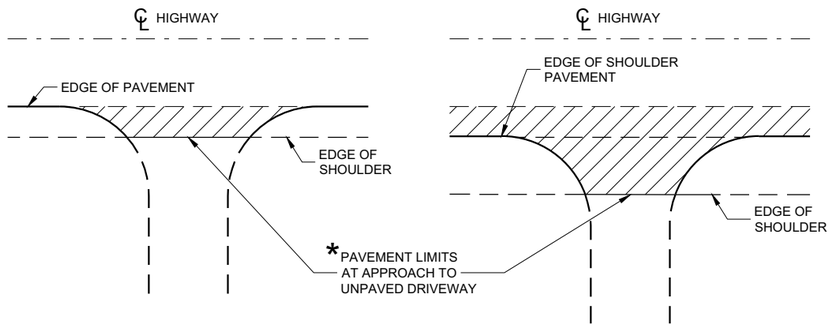
DRIVEWAY AND SIDEWALK RAMPS
TYPES X & Y

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

S.D.D. 8 D 18-2

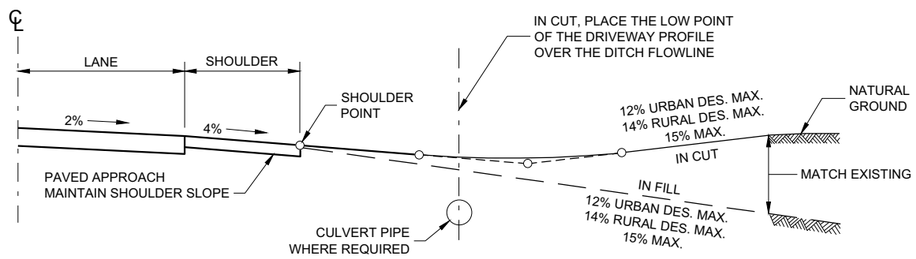
6



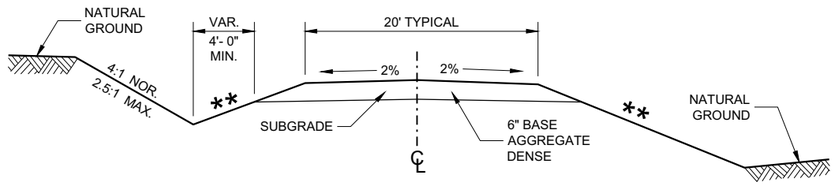
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

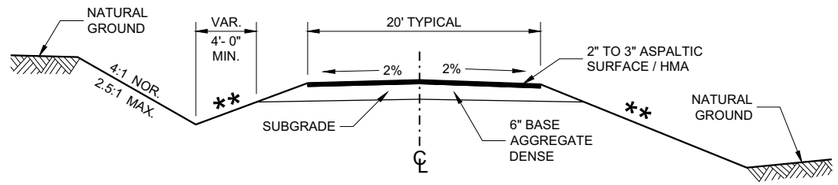


IN CUT IN FILL

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

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SDD 08D21 - 01

SDD 08D21 - 01

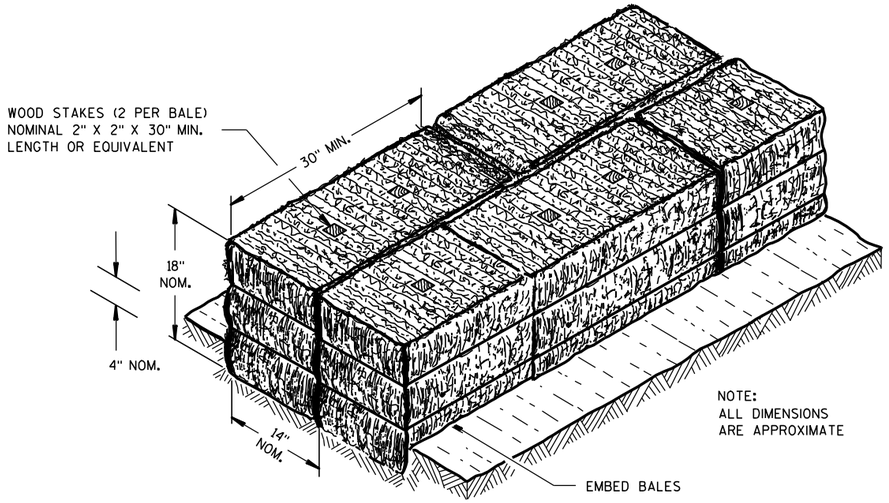
DRIVEWAYS WITHOUT CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

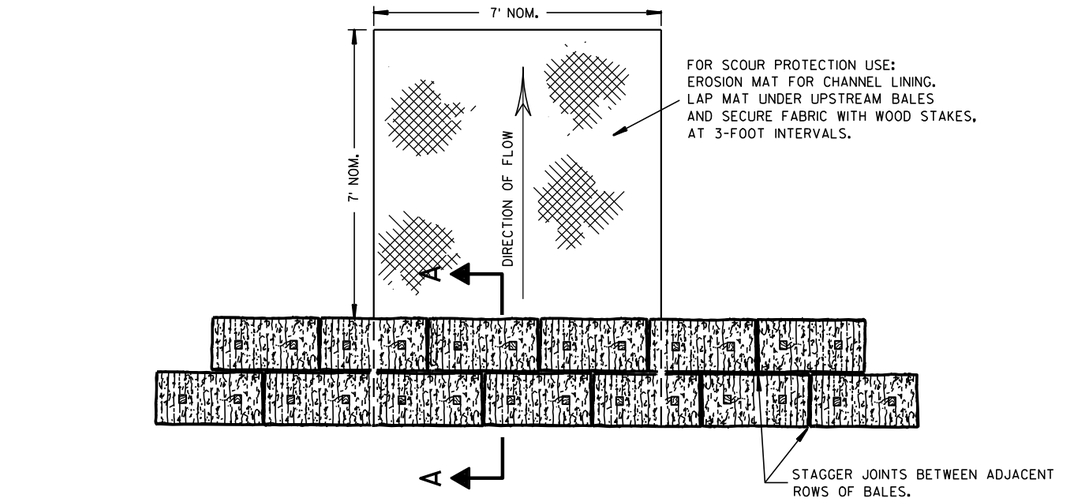
APPROVED
December 2017
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

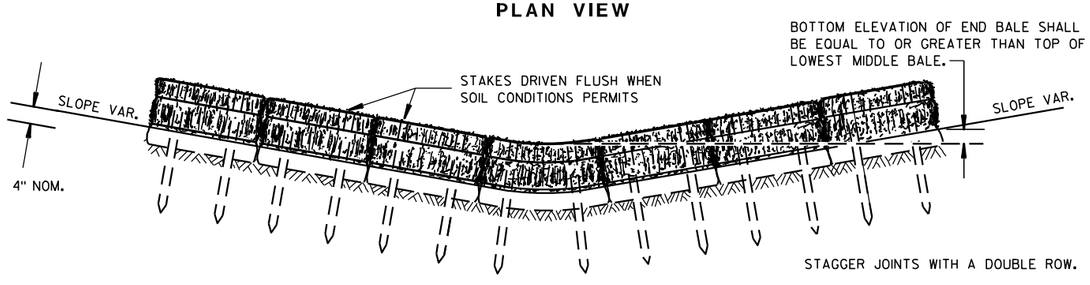
FHWA



SECTION A-A



PLAN VIEW



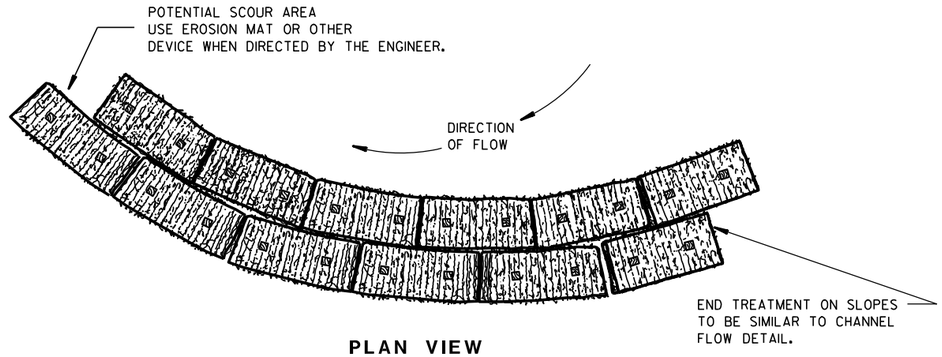
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

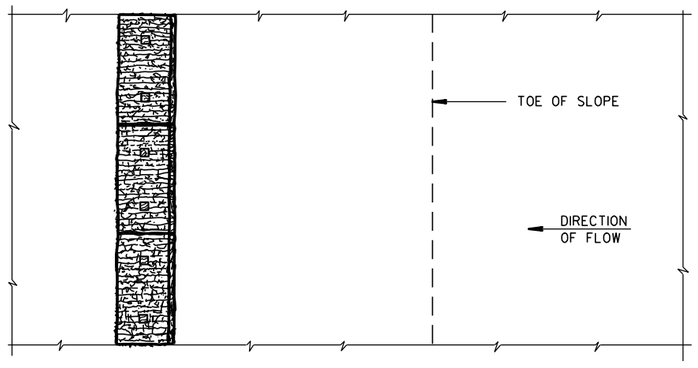
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

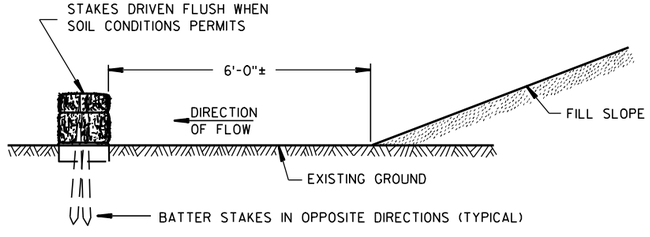


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

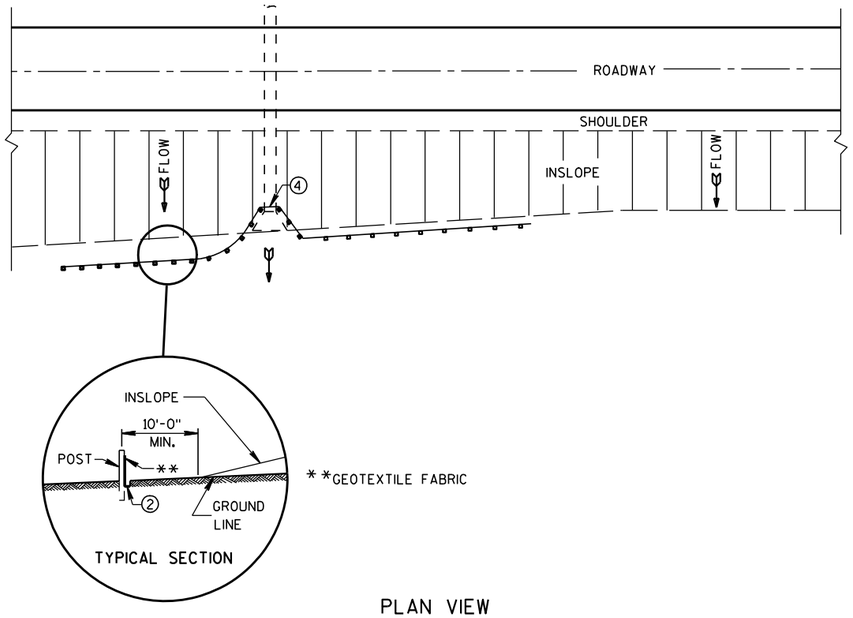
6/04/02 — DATE

/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

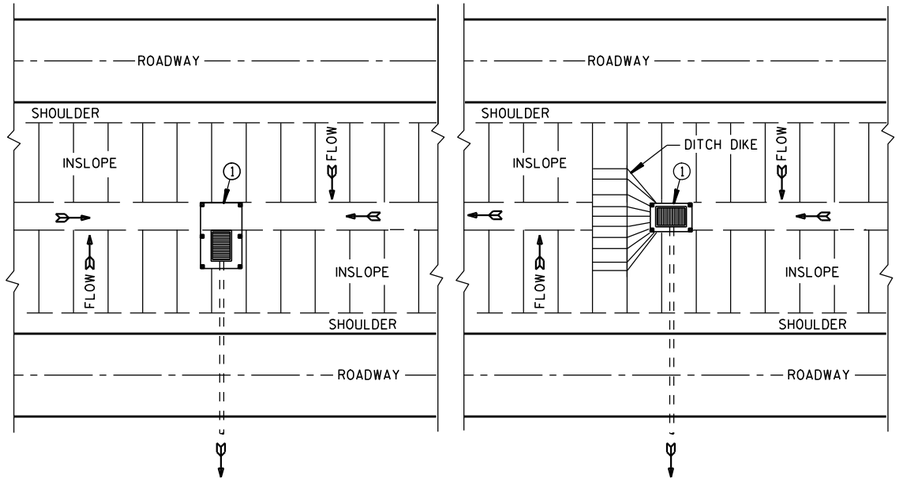
6

S.D.D. 8 E 8-3



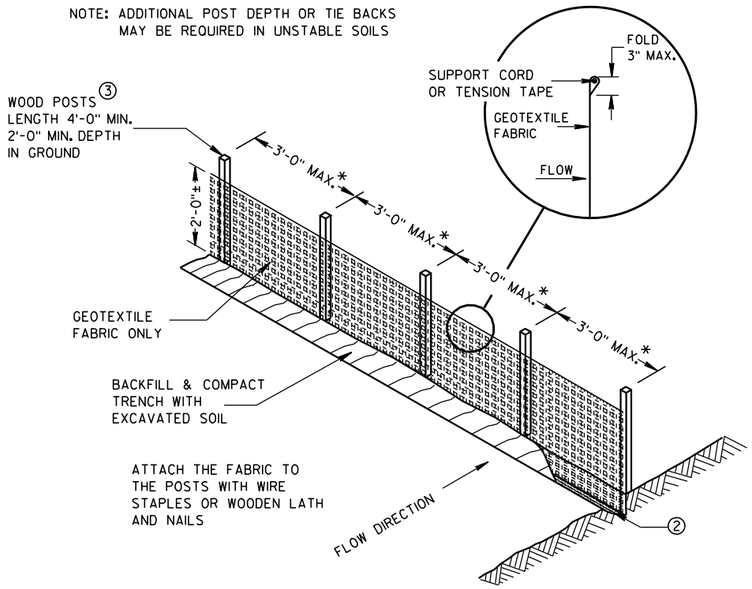
PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE

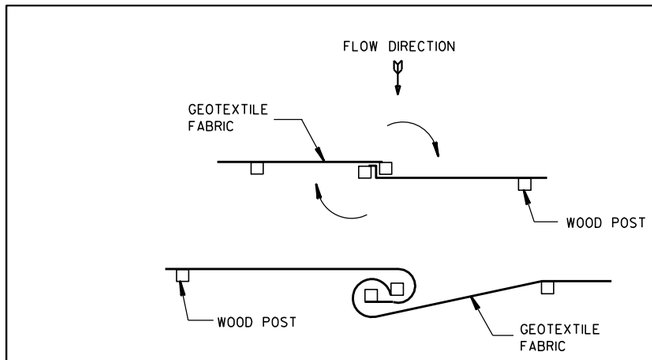


PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS



SILT FENCE

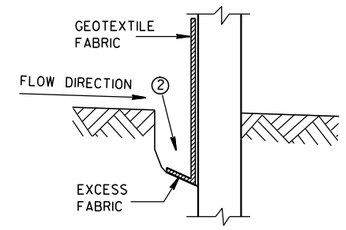


JOINING TWO LENGTHS OF SILT FENCE 5

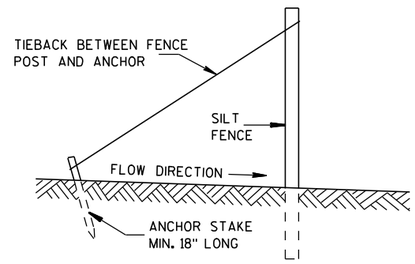
GENERAL NOTES

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 TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

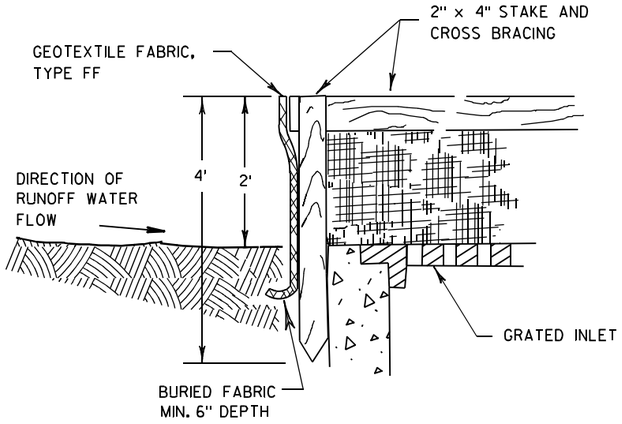
SILT FENCE

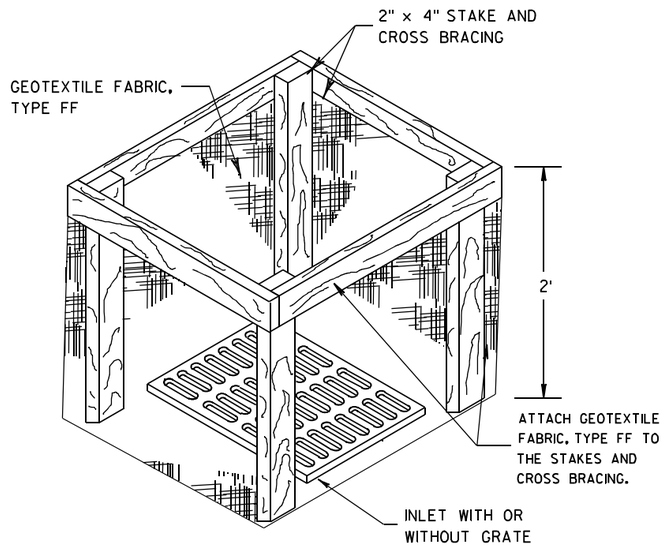
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

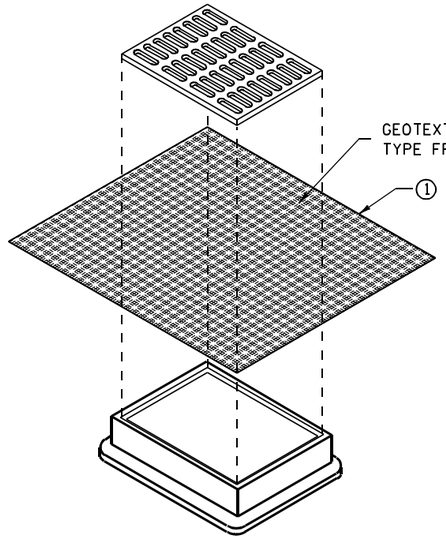
S.D.D. 8 E 9-6

S.D.D. 8 E 9-6



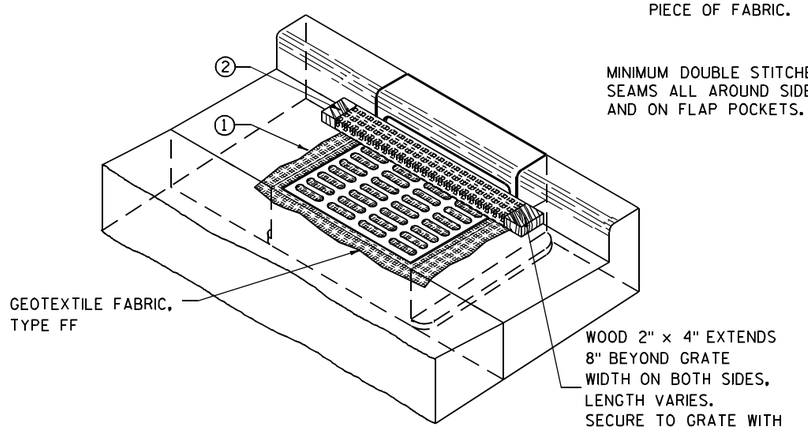


INLET PROTECTION, TYPE A

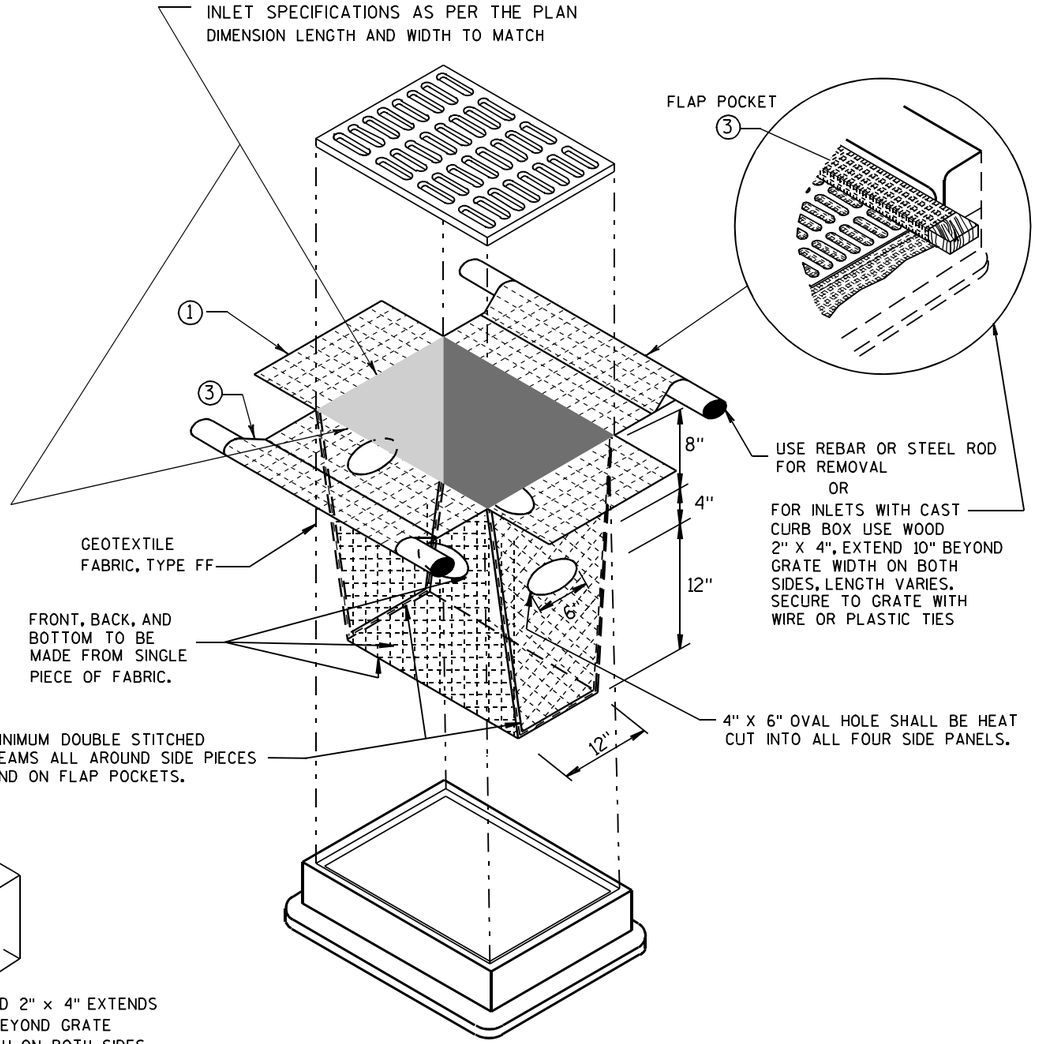


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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.

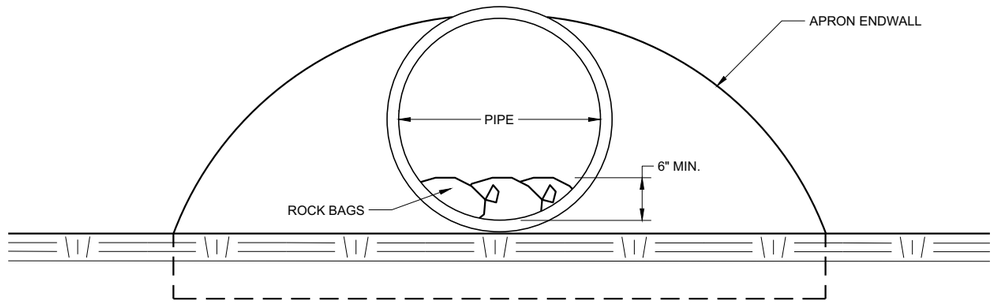
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

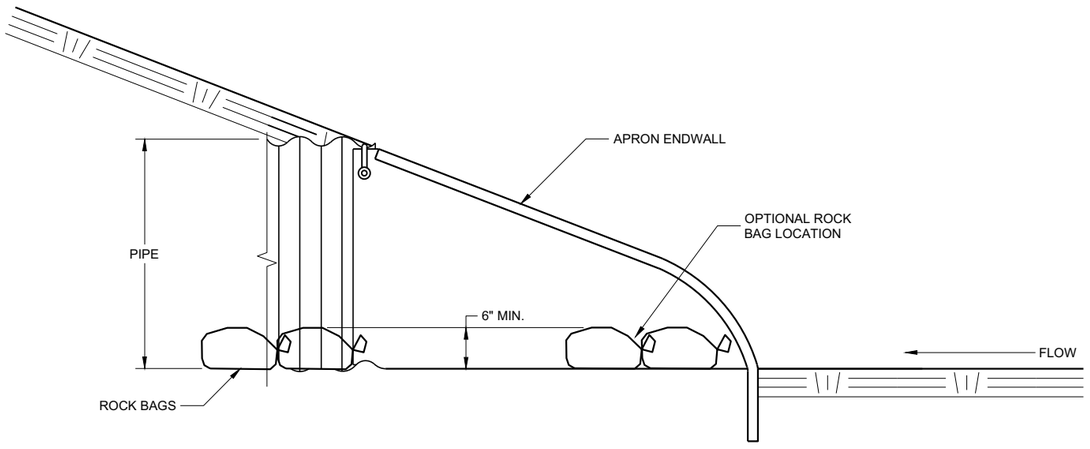
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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	

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SDD 08E15 - 01

METAL APRON ENDWALLS

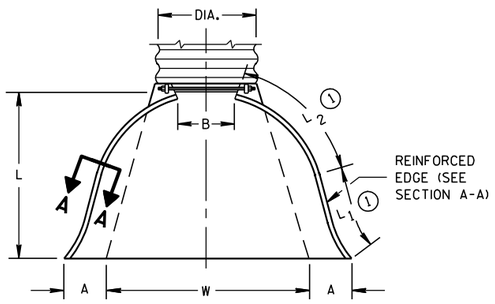
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

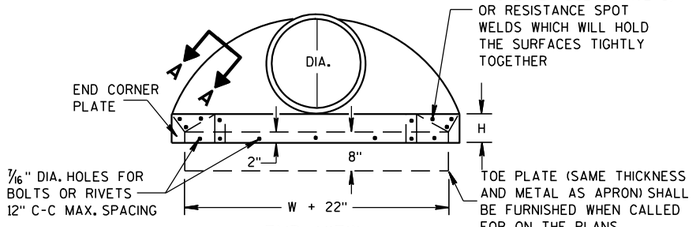
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

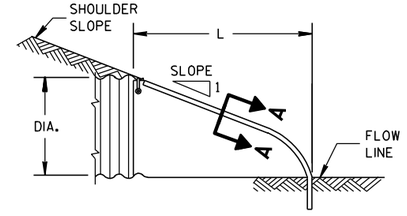
*MINIMUM
**MAXIMUM



PLAN VIEW

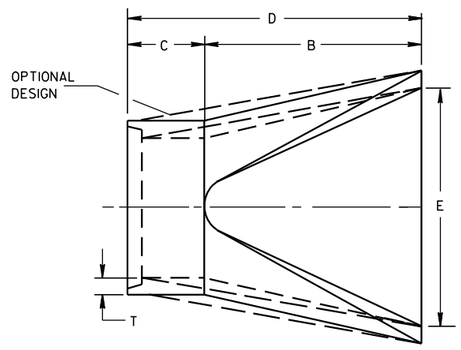


END VIEW

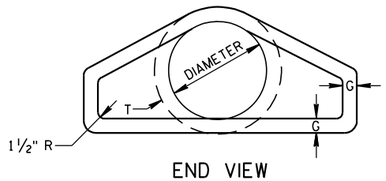


SIDE ELEVATION

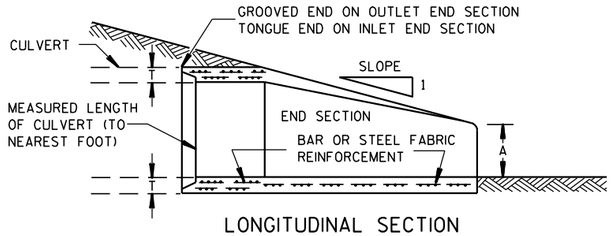
METAL ENDWALLS



PLAN

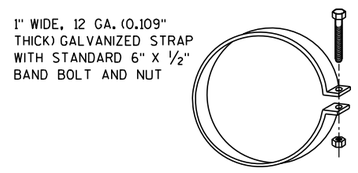


END VIEW



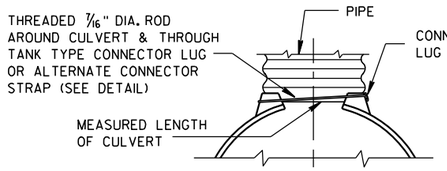
LONGITUDINAL SECTION

CONCRETE ENDWALLS

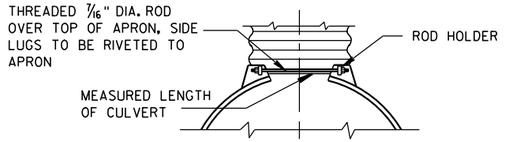


ALTERNATE FOR TYPE 1 CONNECTION

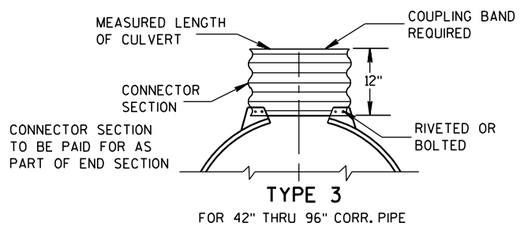
END SECTION CONNECTOR STRAP



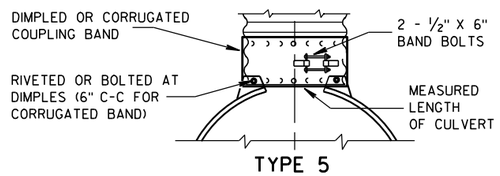
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

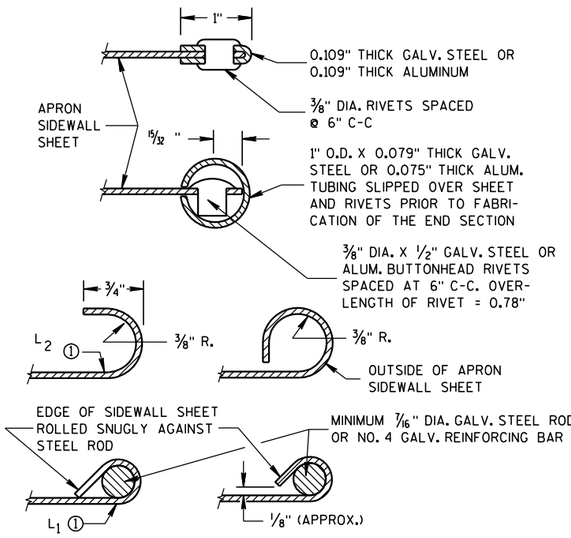
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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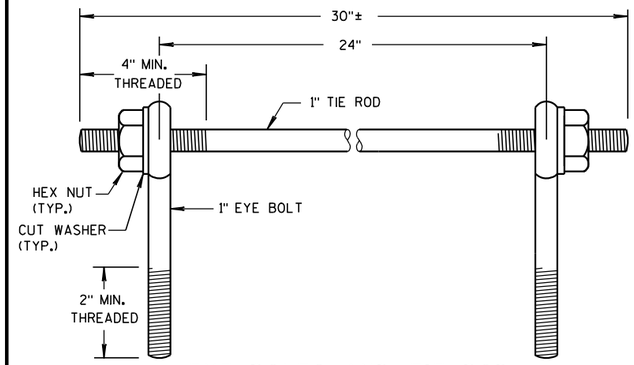
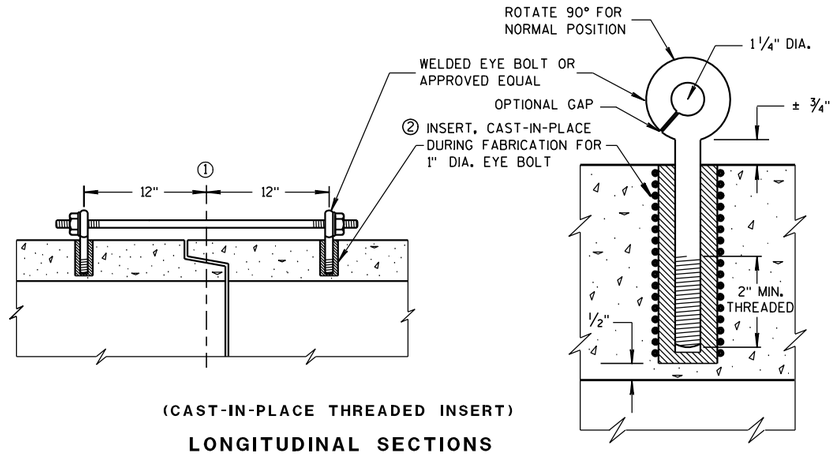
S.D.D. 8 F 1-11



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 ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

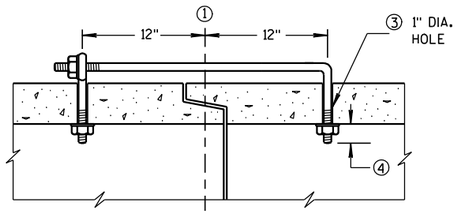
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

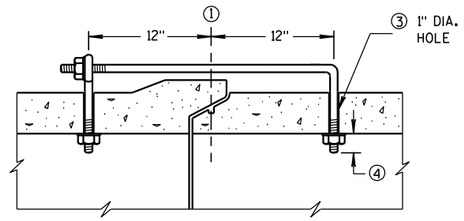
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

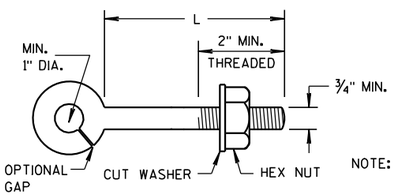


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

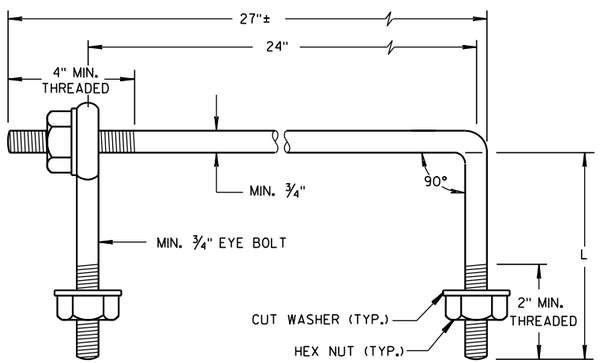
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

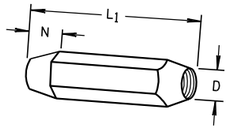
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

DIMENSIONS SHOWN ARE IN INCHES



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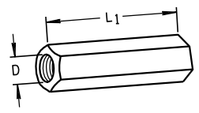
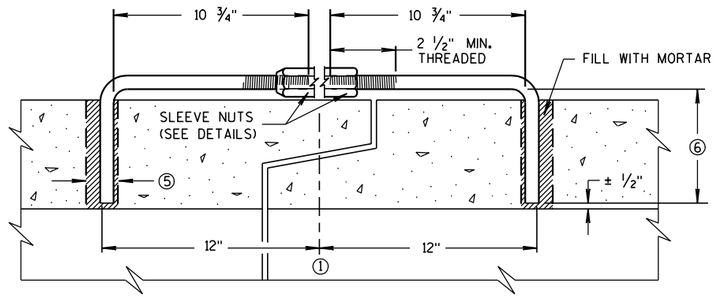


PLAIN

RIGHT AND LEFT THREADS

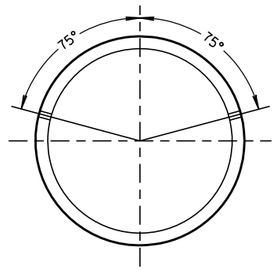
SLEEVE NUTS



LONGITUDINAL SECTION

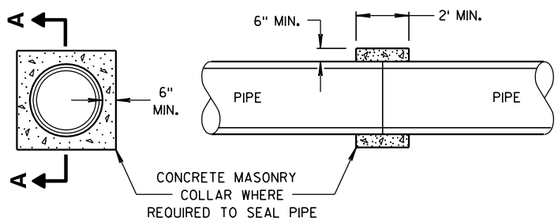
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

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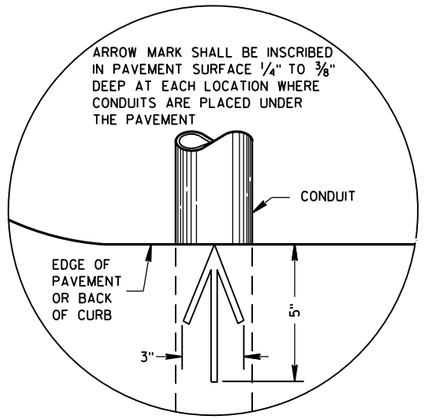
S.D.D. 8 F 4-7

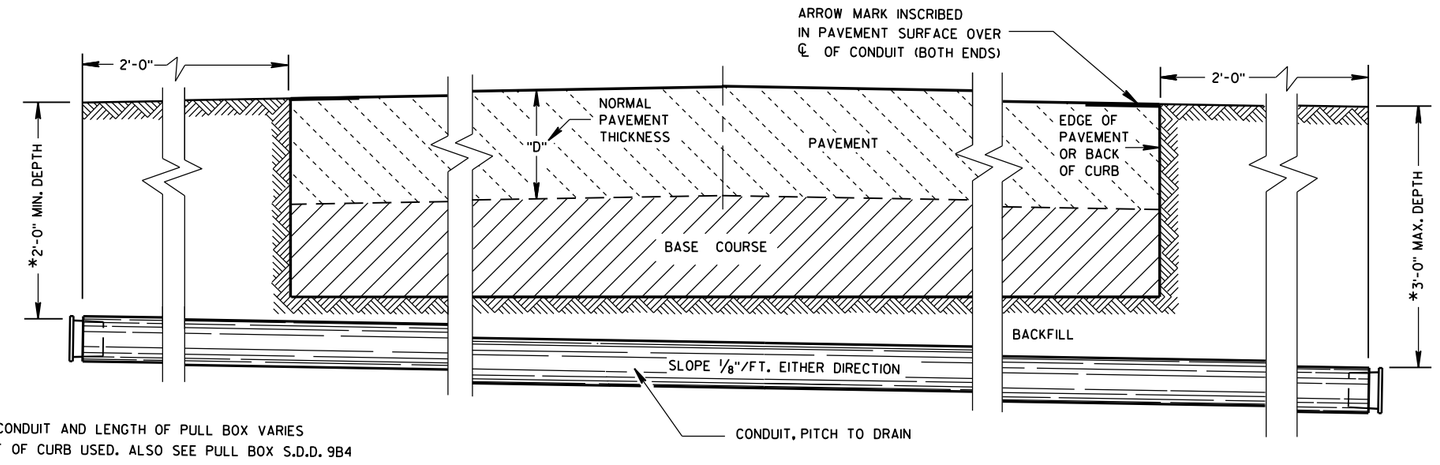
6

S.D.D. 8 F 4-7



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

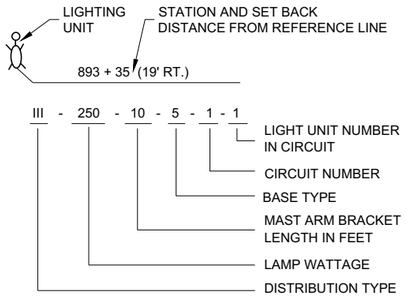
S.D.D. 9 B 2-10

GENERAL NOTES

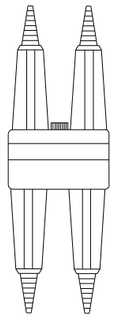
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

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.

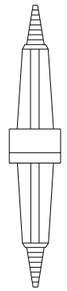
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



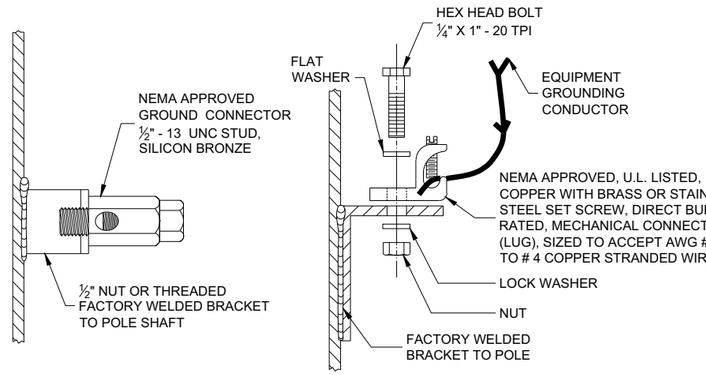
LIGHTING UNIT CODE
(TYPICAL)



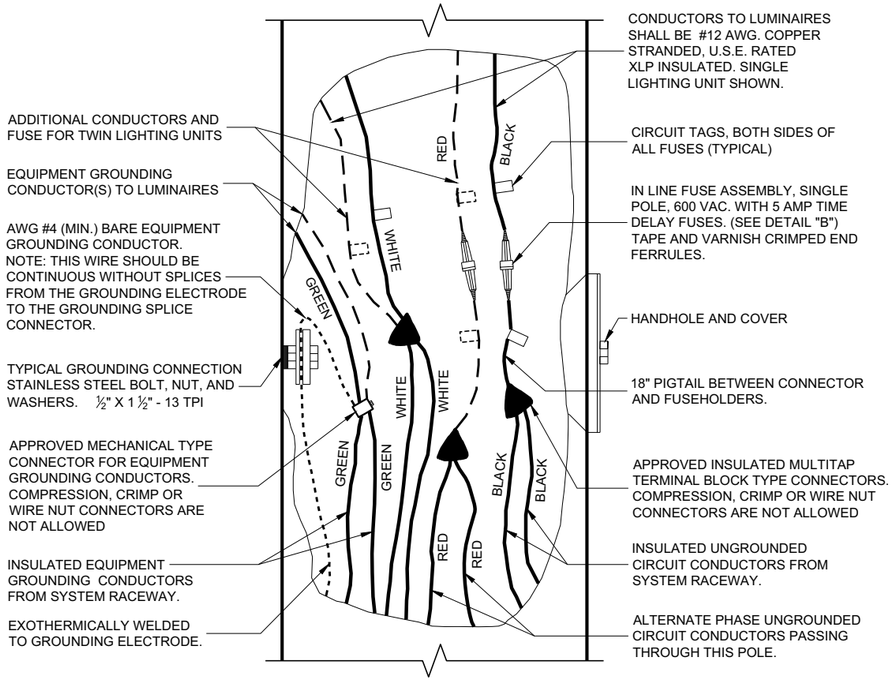
DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



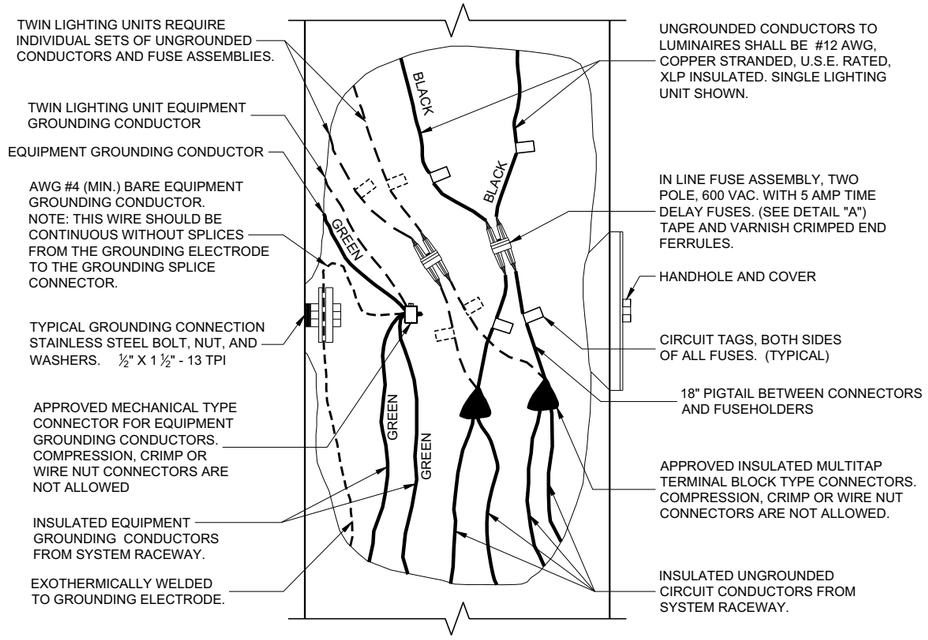
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



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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SDD 09E03 - 06

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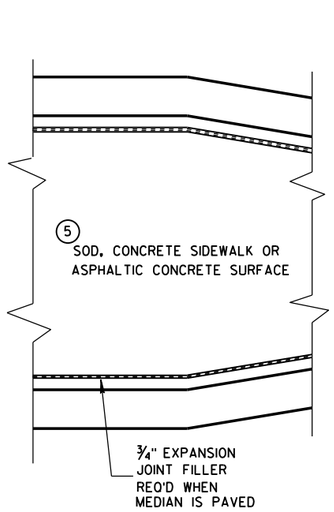
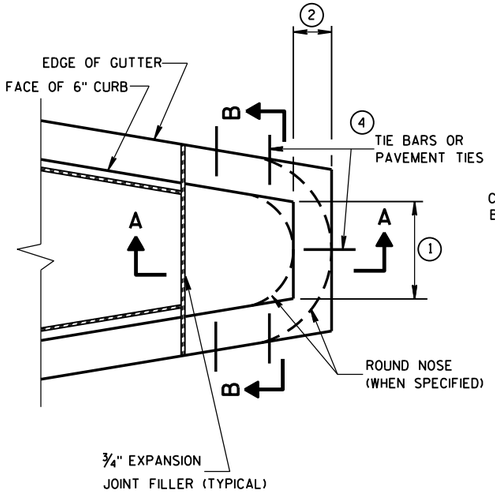
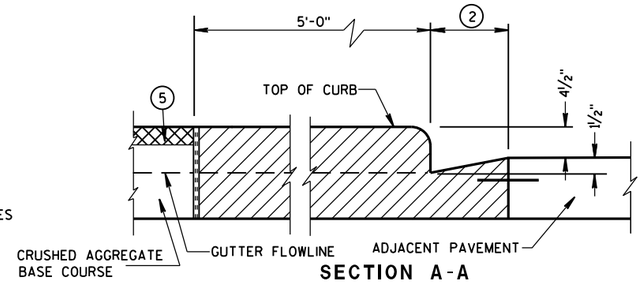
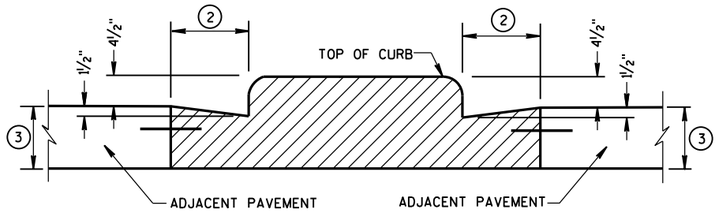
SDD 09E03 - 06







SECTION A-A



SECTION B-B

CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

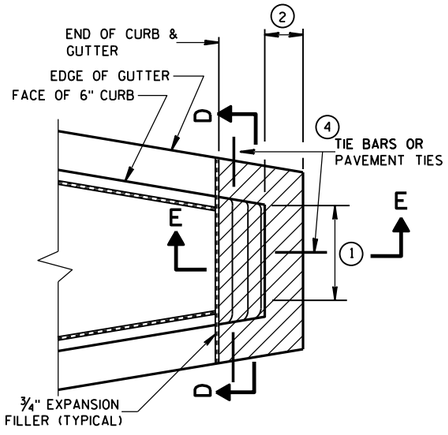
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

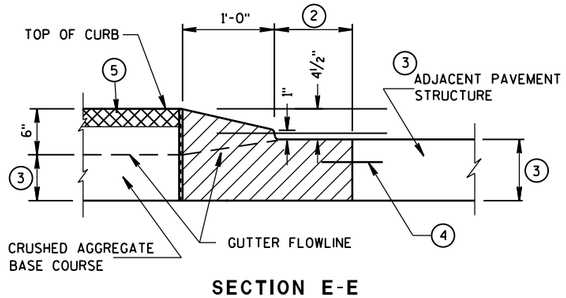
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

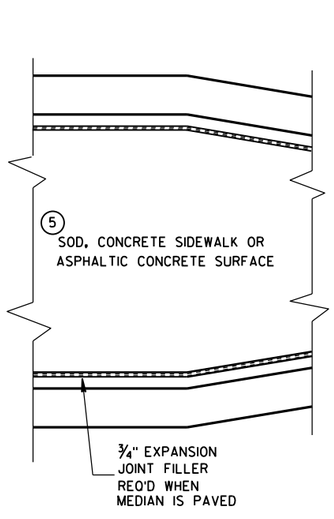
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

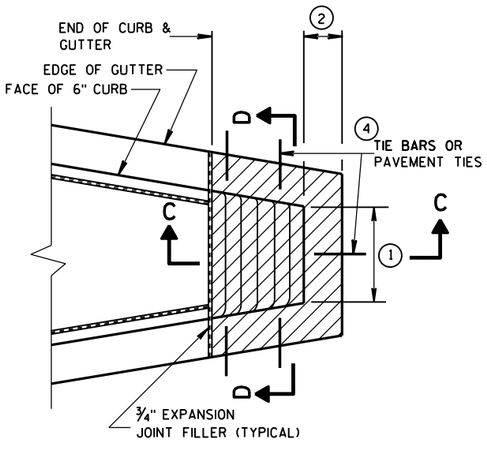


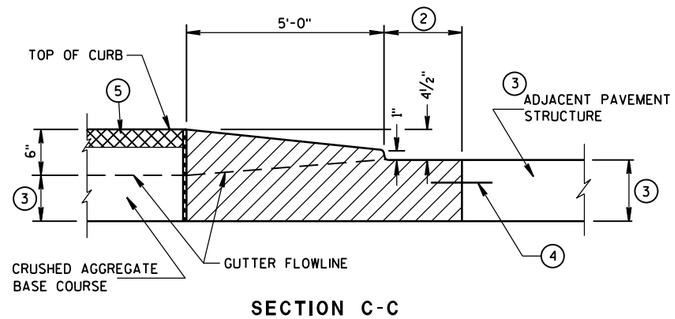


SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2

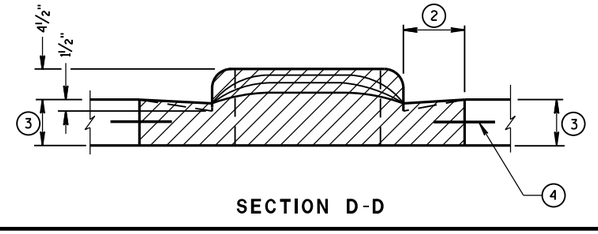






SECTION C-C

CONCRETE MEDIAN SLOPED NOSE TYPE 1



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/8/2006
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS D ENGINEER

FHWA

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S.D.D. 11 B 2-2

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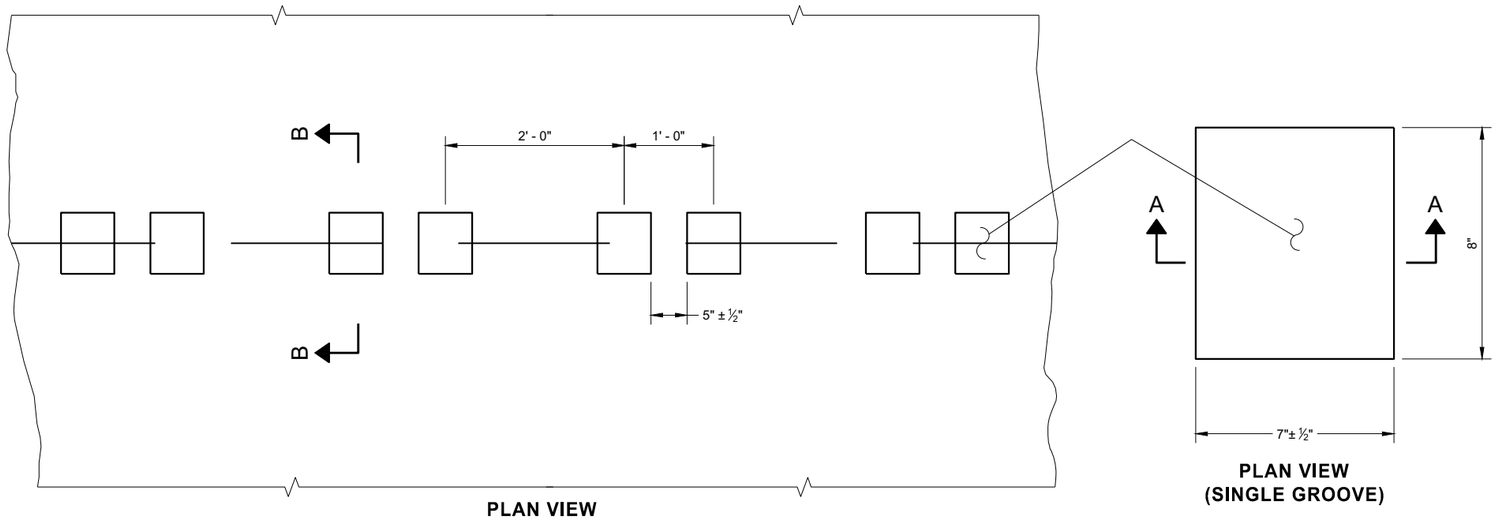
S.D.D. 11 B 2-2



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR TYPE 1 MILLED RUMBLE STRIP

GENERAL NOTES

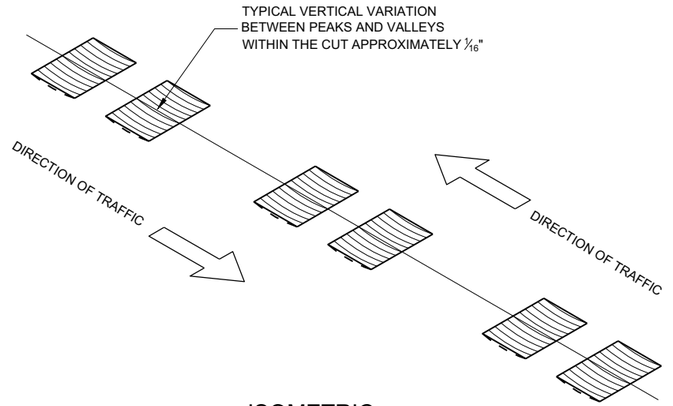
DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DO NOT MILL CENTERLINE GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

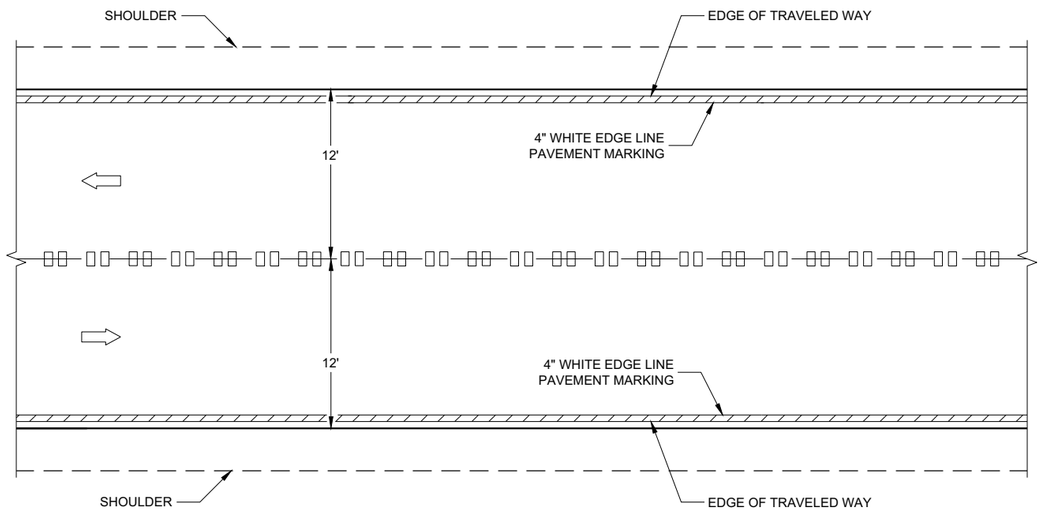
INSTALL PAVEMENT MARKING AFTER THE GROOVES ARE INSTALLED.

SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

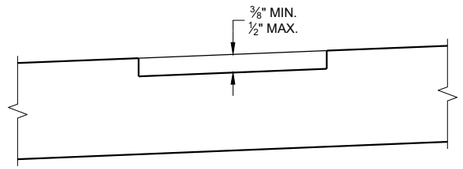
(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.



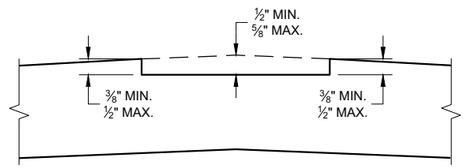
ISOMETRIC



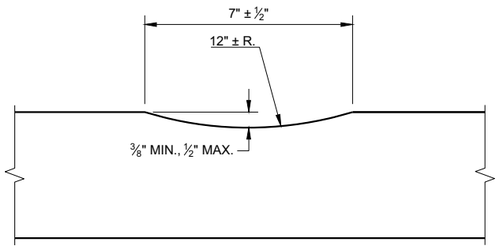
CENTERLINE GROOVES ON TWO-WAY ROADWAYS



SECTION B - B
SUPERELEVATED ROADWAY



SECTION B - B
CROWNED ROADWAY



SECTION A - A

2-LANE RURAL
CENTER LINE RUMBLE STRIP, MILLING

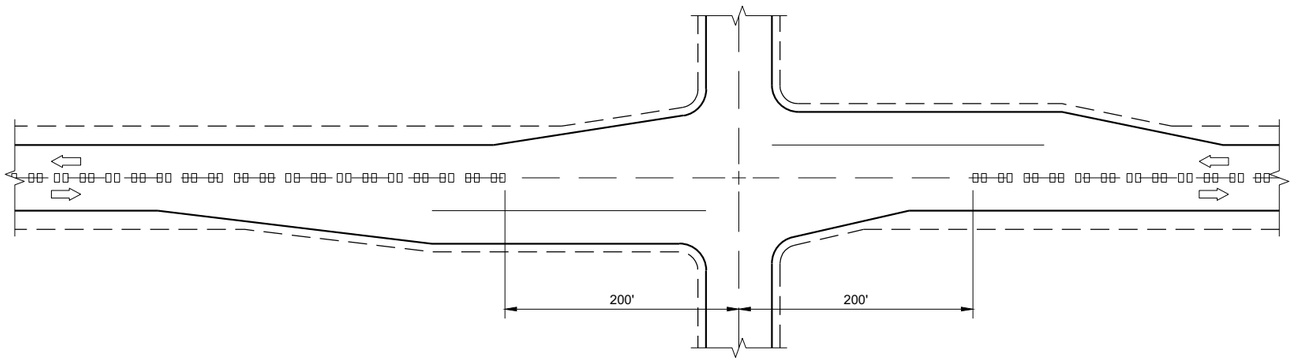
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

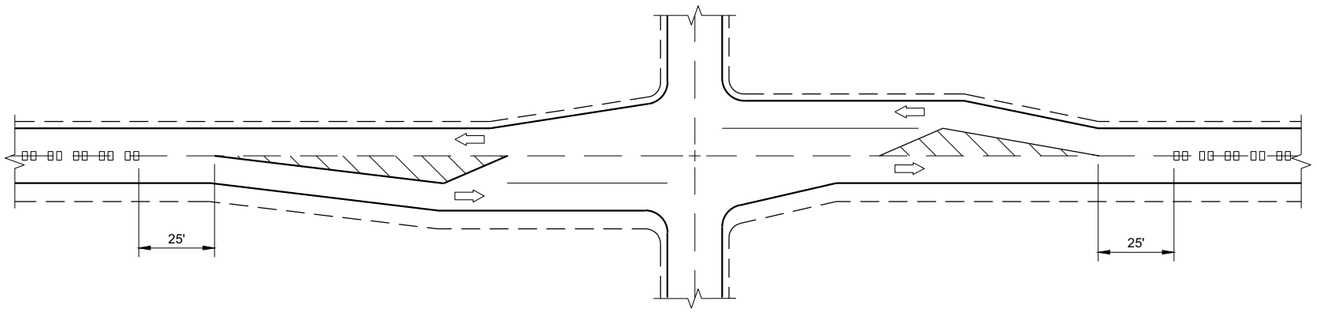
SDD 13A11 - 03a

6

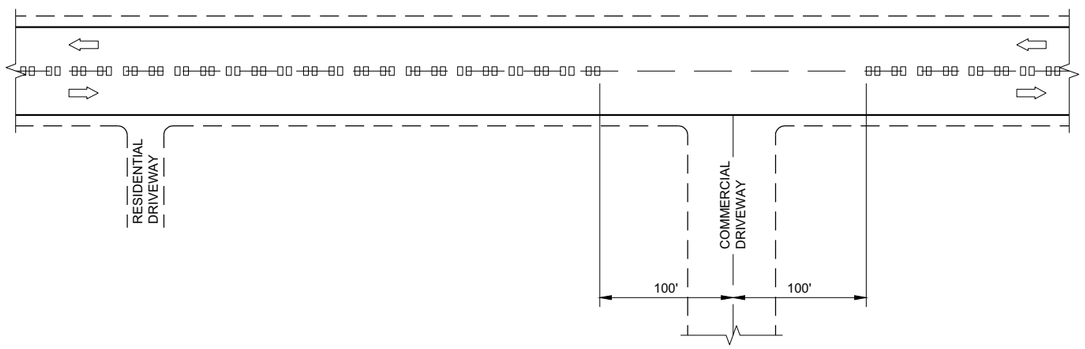
SDD 13A11 - 03a



CENTERLINE GROOVES AT INTERSECTIONS



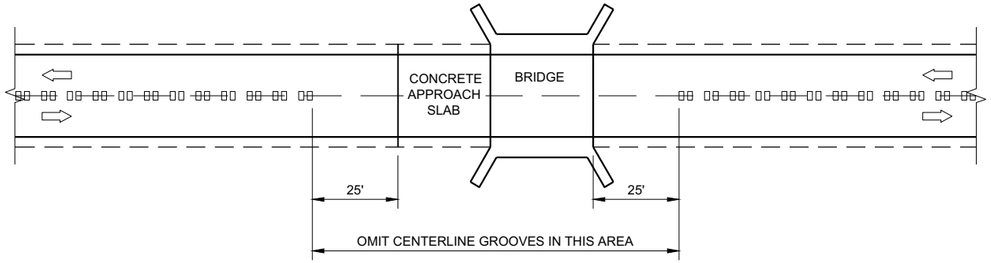
CENTERLINE GROOVES AT INTERSECTIONS (WITH LEFT TURN LANES)



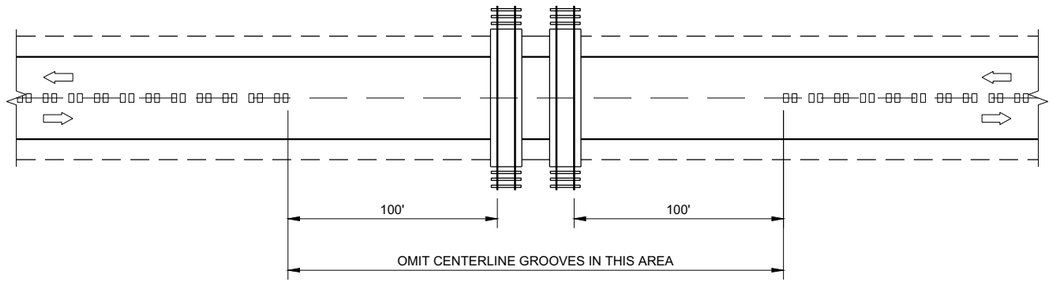
CENTERLINE GROOVES AT DRIVEWAYS (1)

GENERAL NOTES

(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.



CENTERLINE GROOVES AT BRIDGES



CENTERLINE GROOVES AT RAILROADS

2-LANE RURAL CENTERLINE RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 13A11 - 03b

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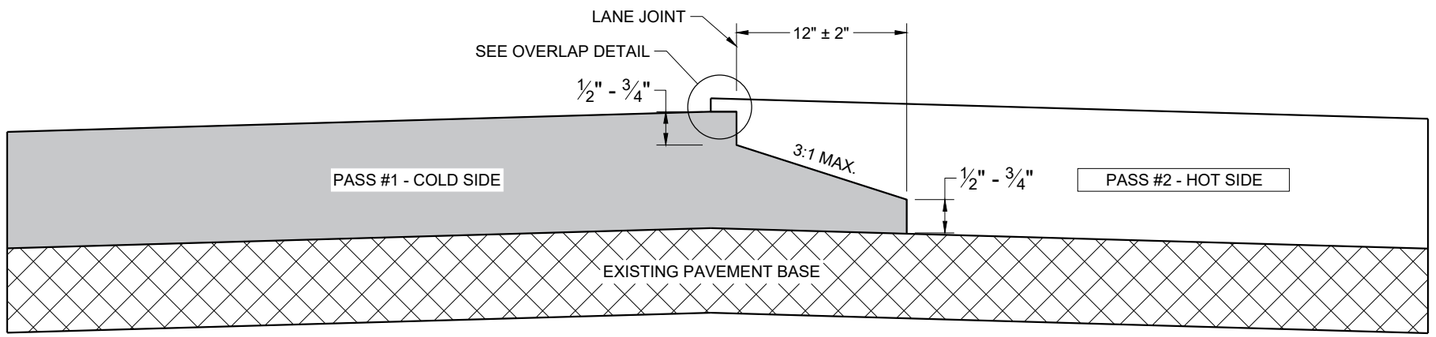
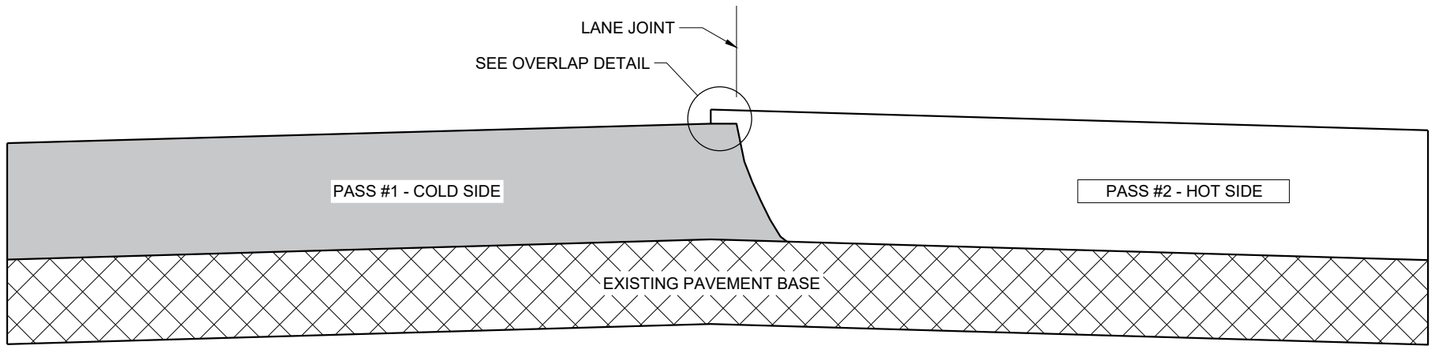
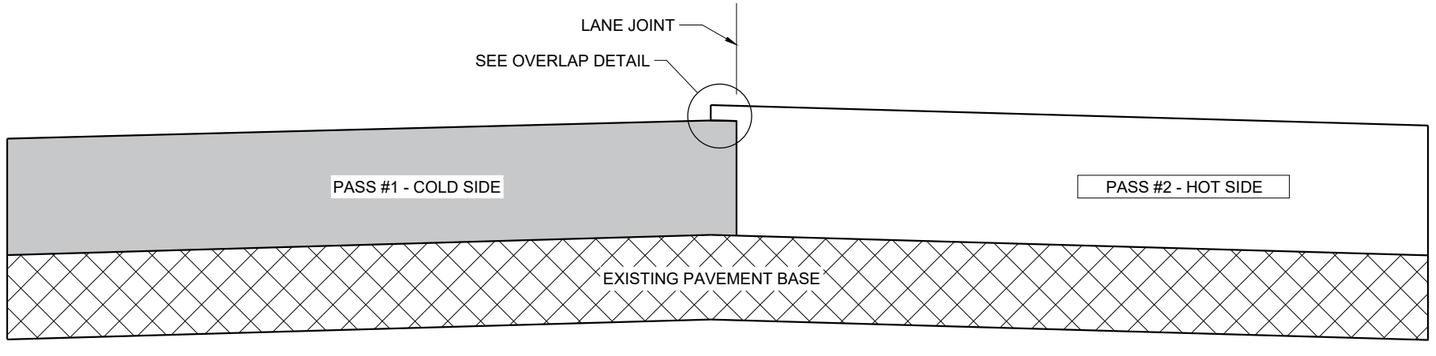
SDD 13A11 - 03b



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

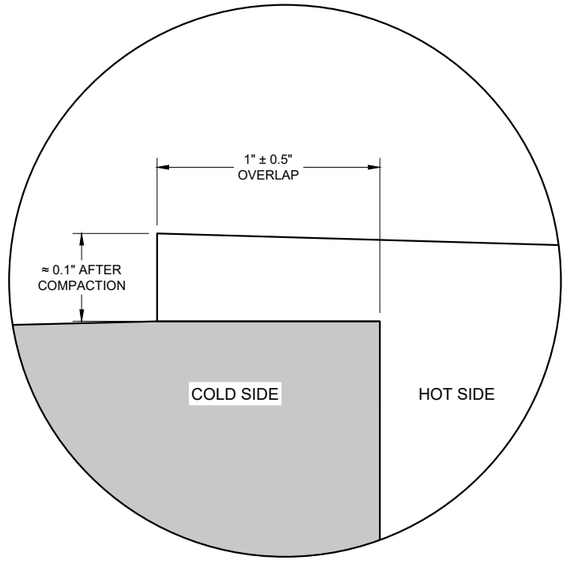
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

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SDD 13C19 - 03

SDD 13C19 - 03

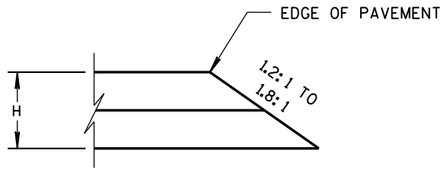
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

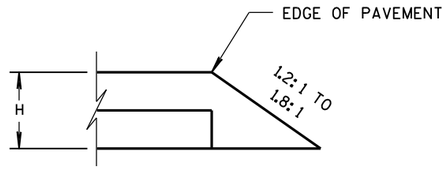
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



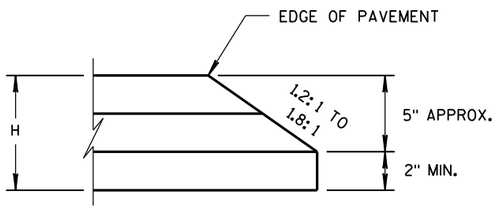
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



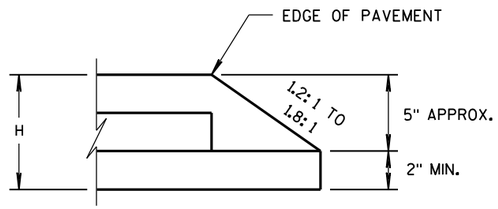
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

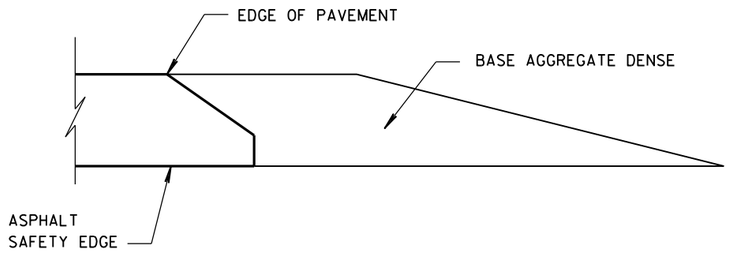
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

6

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S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

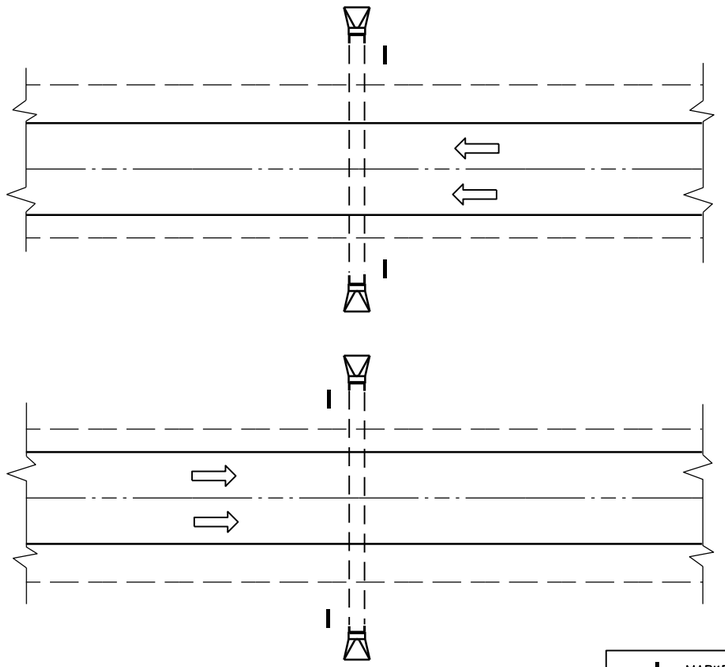
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/2012
DATE

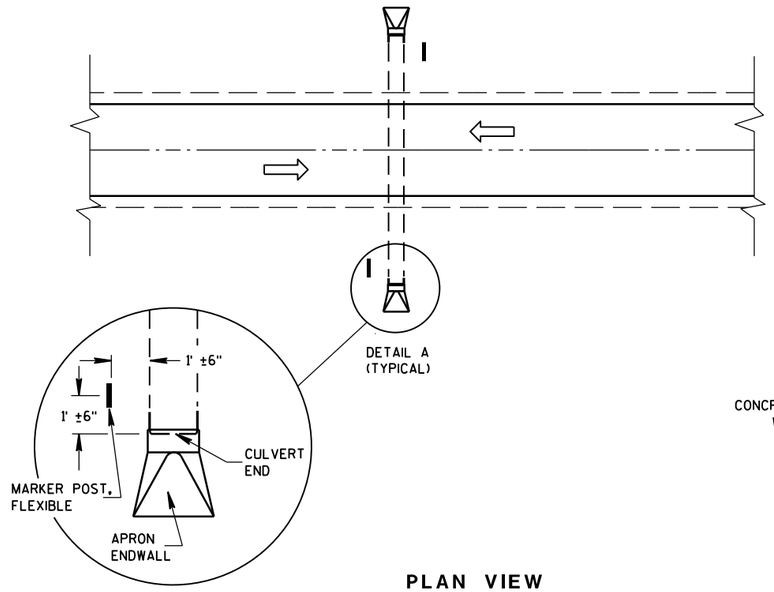
/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

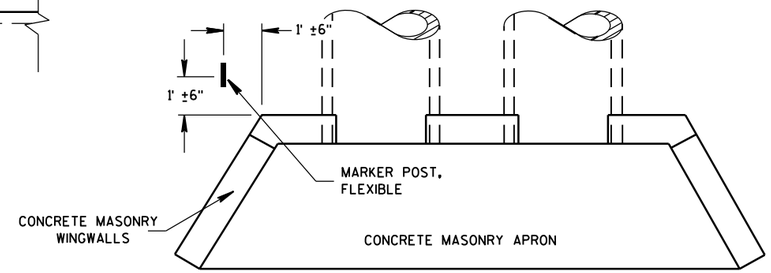
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

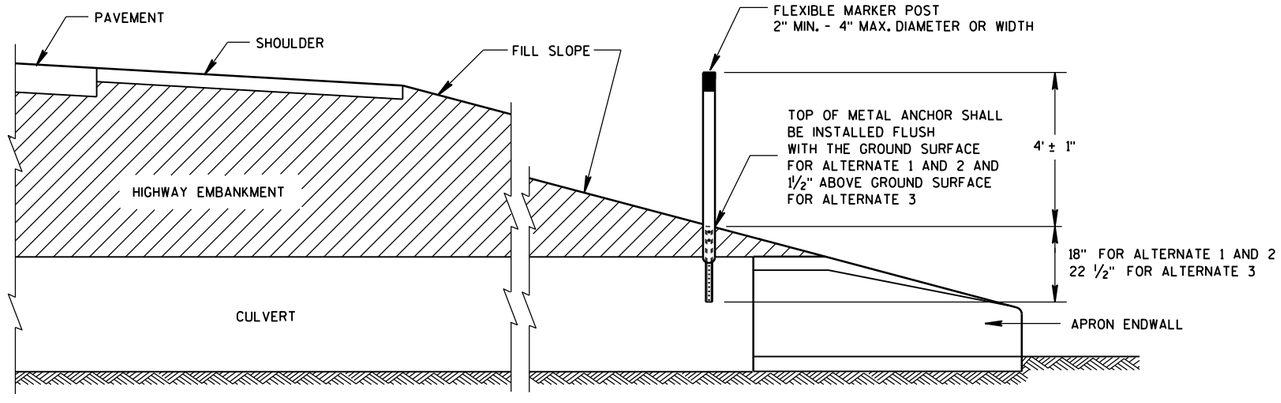
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 15 A 3-2a

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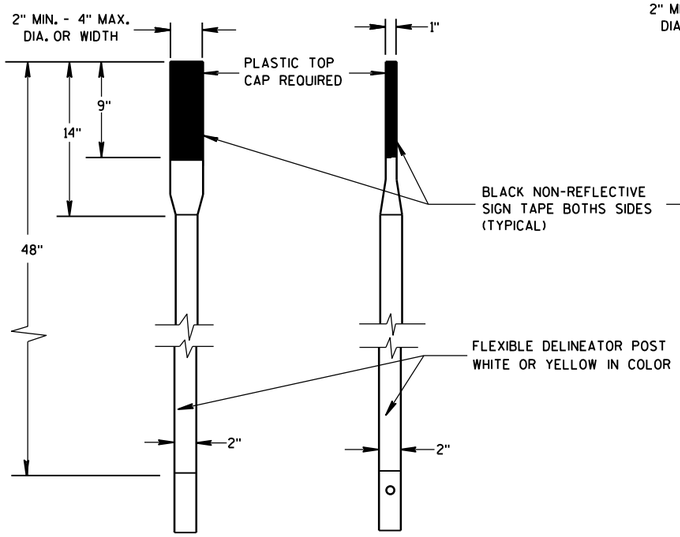
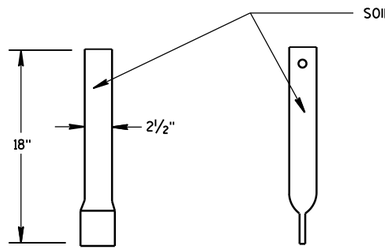
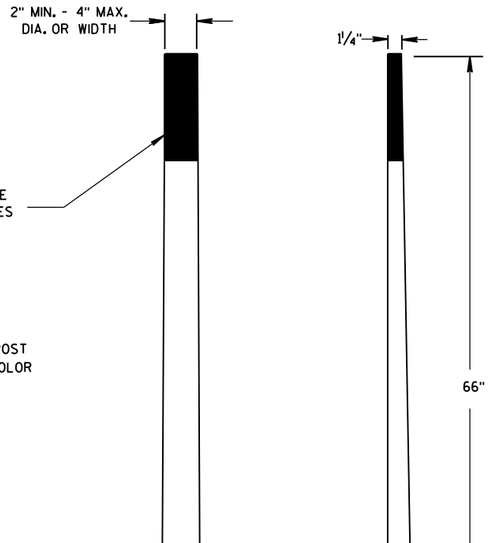
S.D.D. 15 A 3-2a





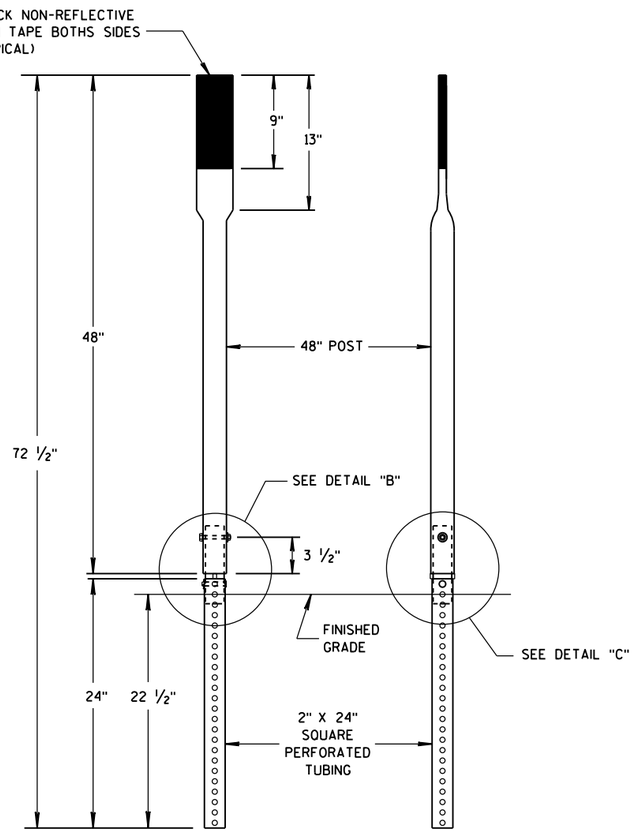
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

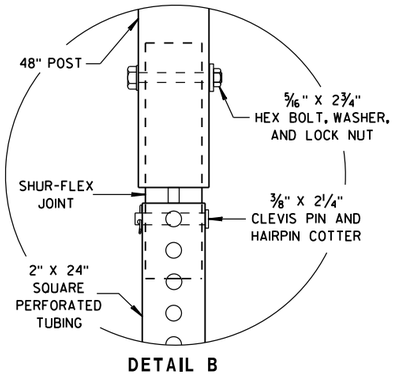
ALTERNATE 2



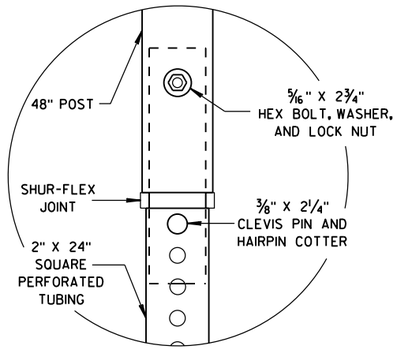
FRONT VIEW SIDE VIEW

ALTERNATE 3

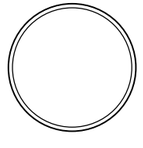
FLEXIBLE MARKER POSTS



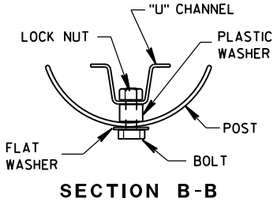
DETAIL B



DETAIL C



SECTION A-A



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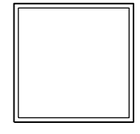
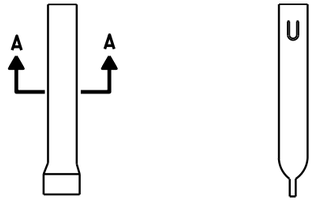
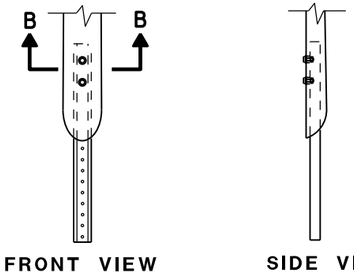


SECTION C-C



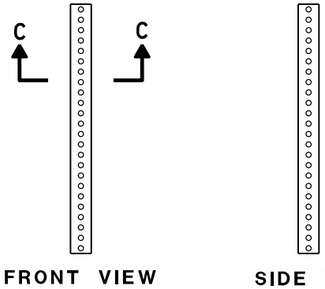
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2



FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 A 3-2b

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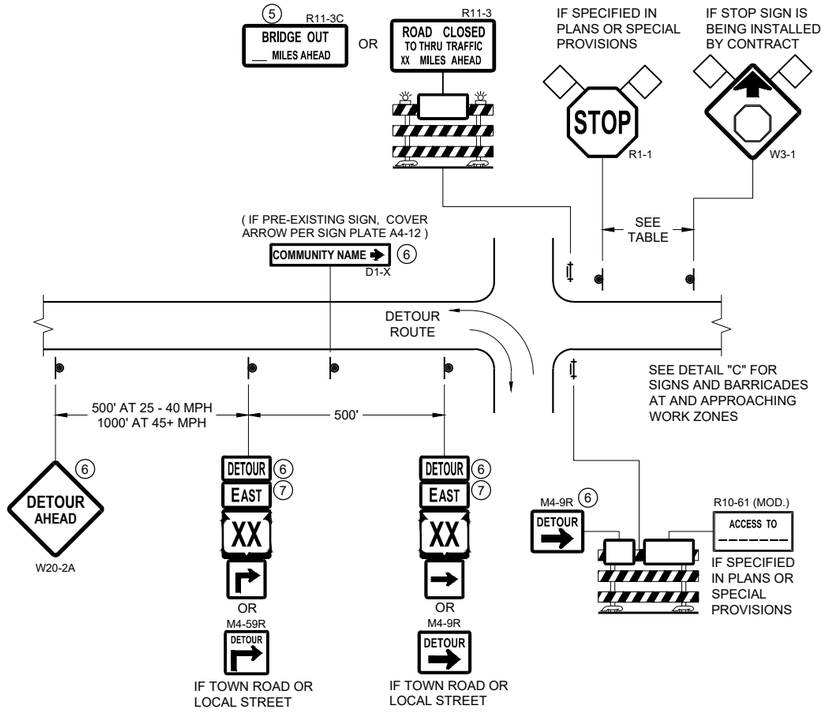
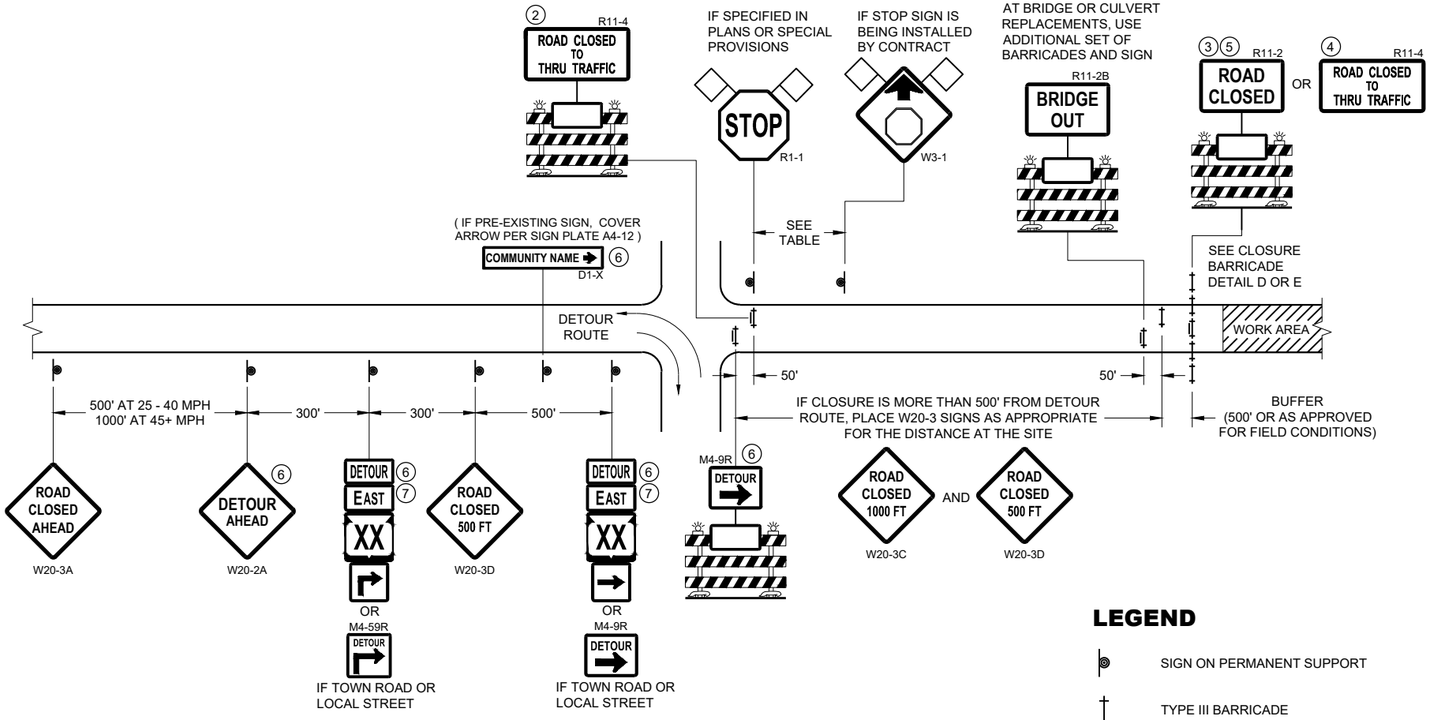
S.D.D. 15 A 3-2b



DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



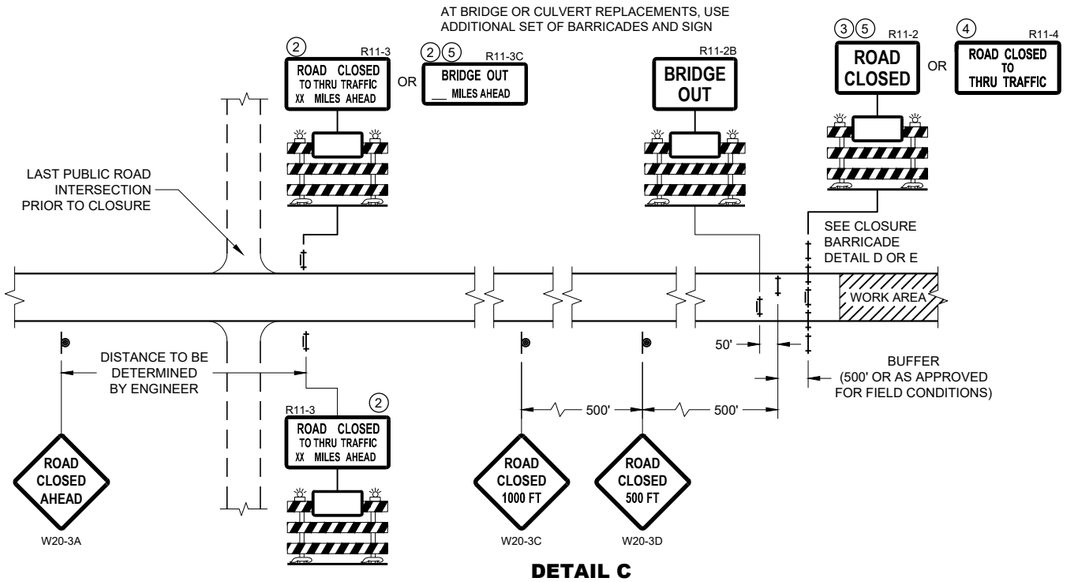
DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

DETOUR M4 - 8
EAST M3 - X
XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A
M05 - 1 OR M06 - 1



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

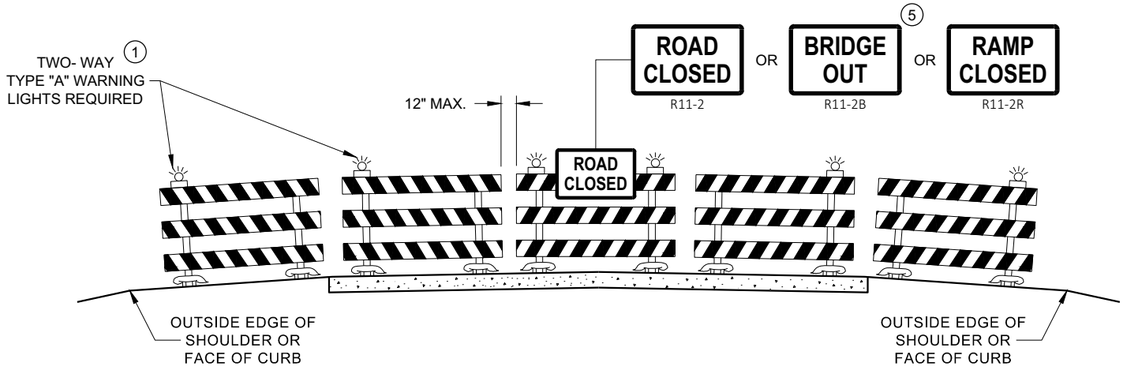
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

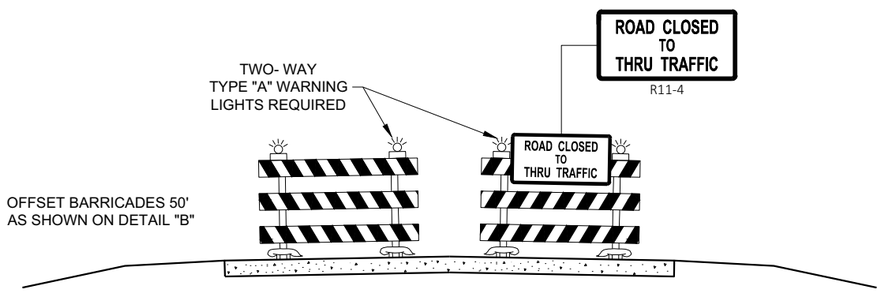
6

SDD 15C02 - 08a

SDD 15C02 - 08a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

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SDD 15C02 - 08b

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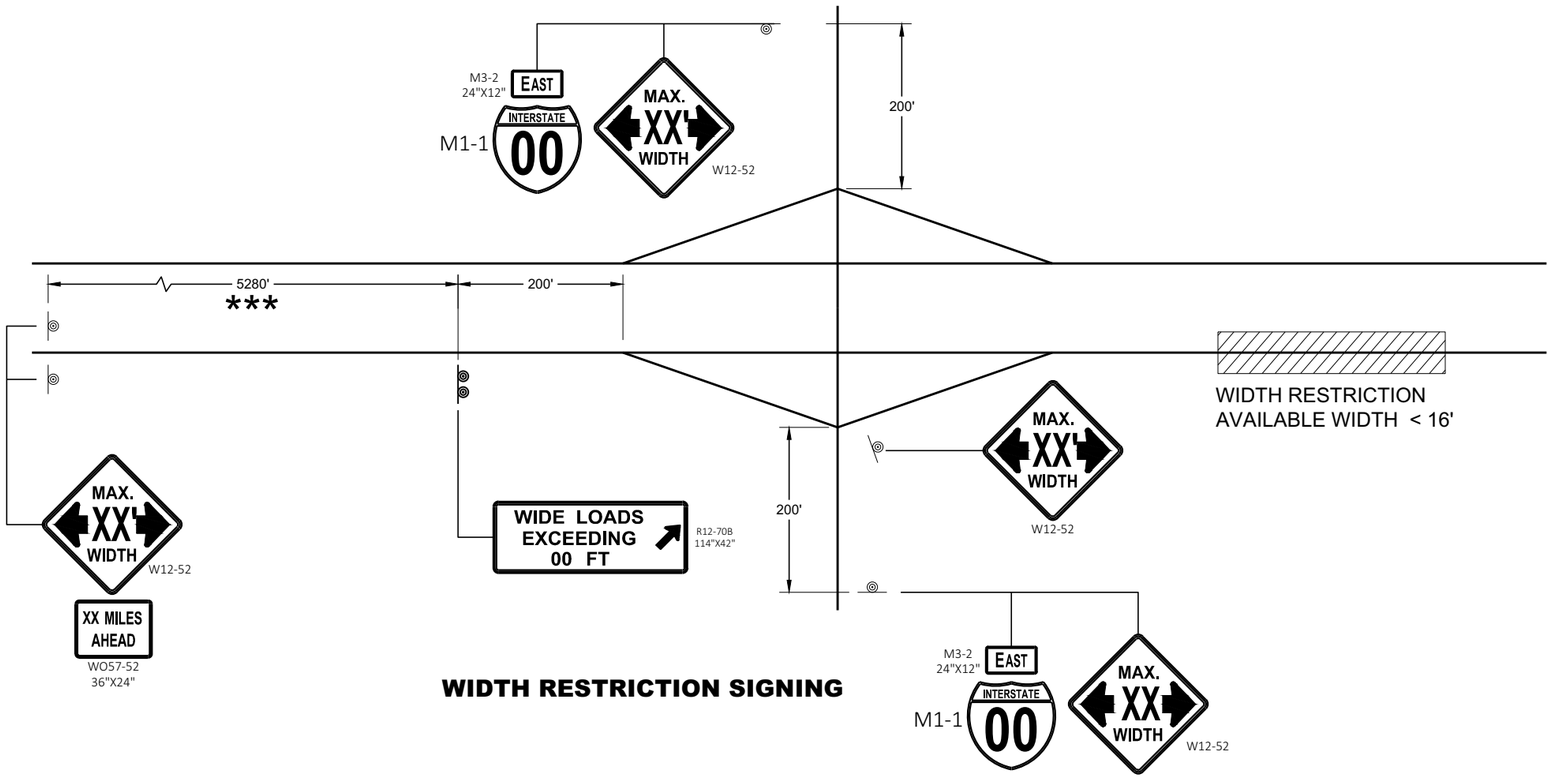
SDD 15C02 - 08b



WIDTH RESTRICTION SIGNING

LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL " IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

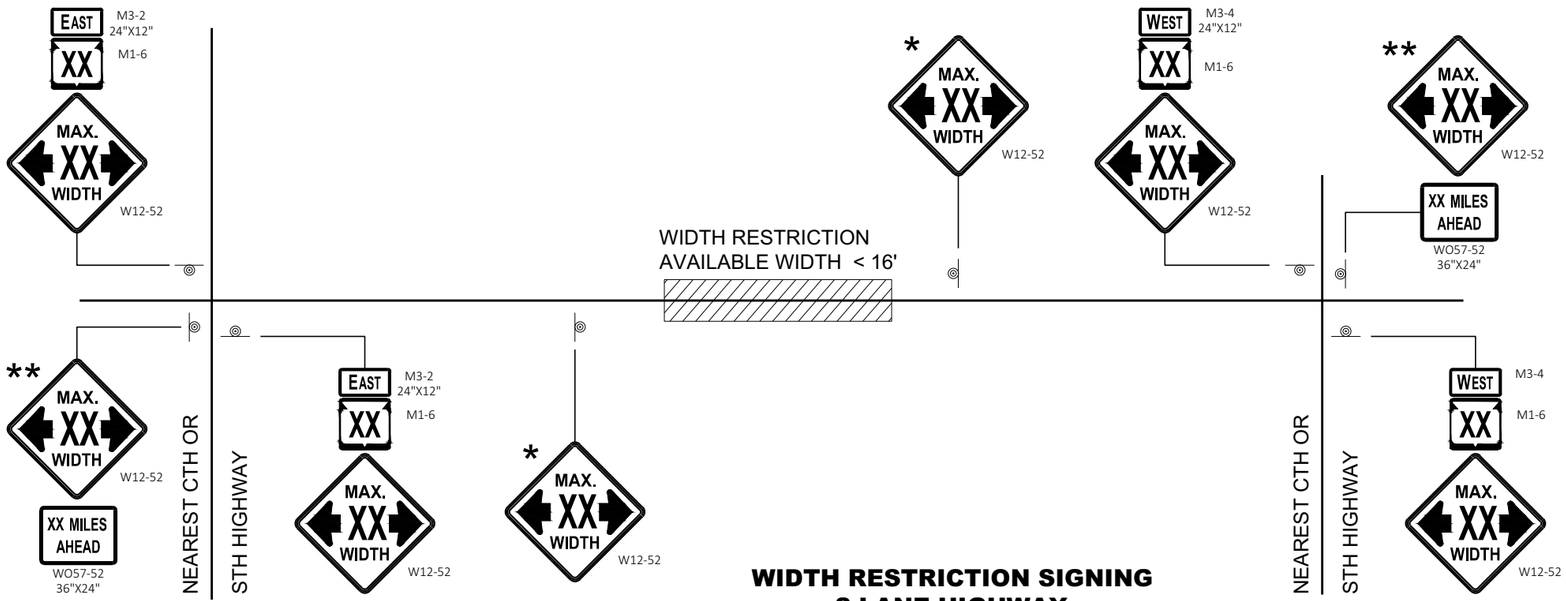
WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

* PLACE 500 FEET AFTER THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** SIGN SHALL BE VISIBLE FROM ROADWAY.

*** ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.

WIDTH ON SIGN TO BE APPROX. 1 - FOOT LESS THAN AVAILABLE WIDTH



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C02 - 08f

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

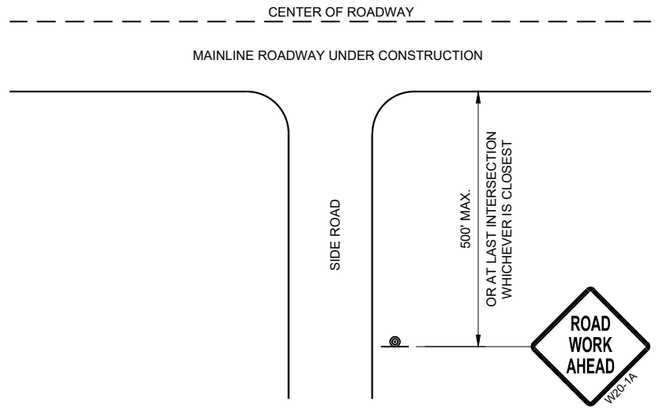
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



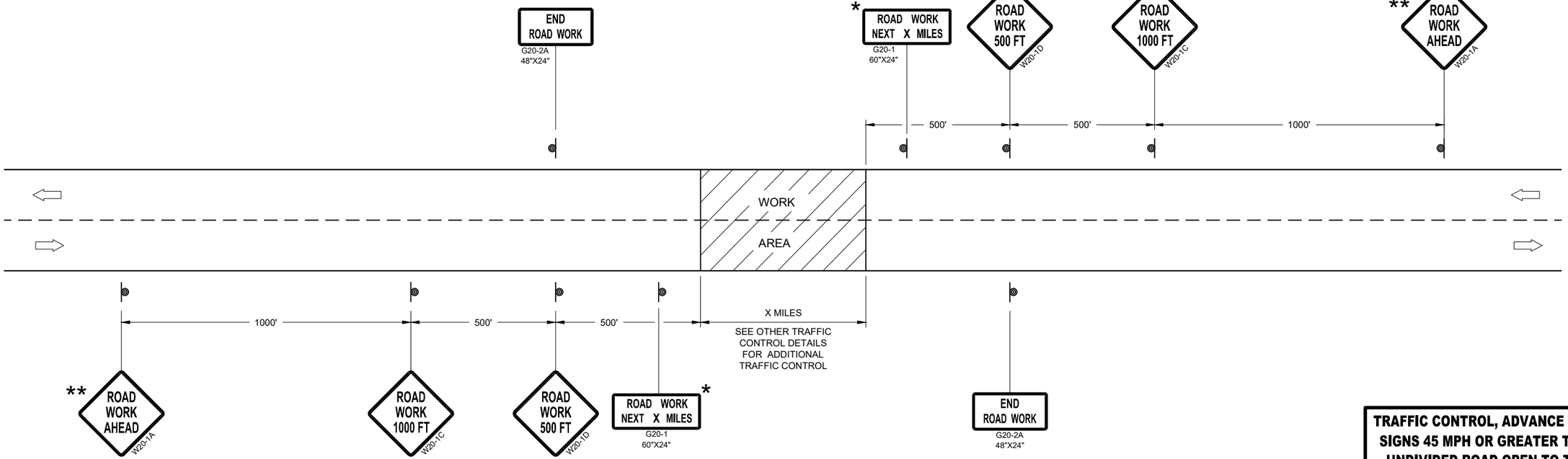
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C04 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

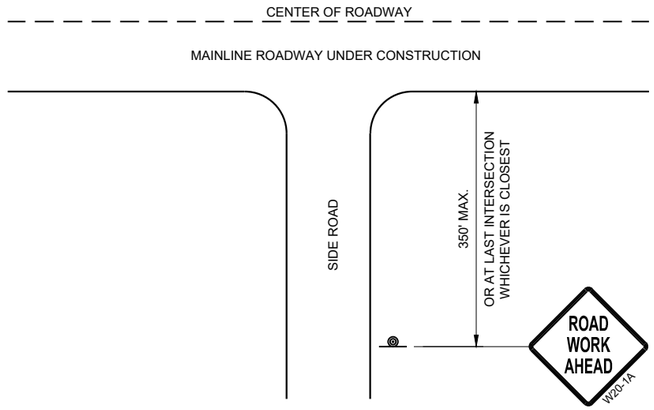
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



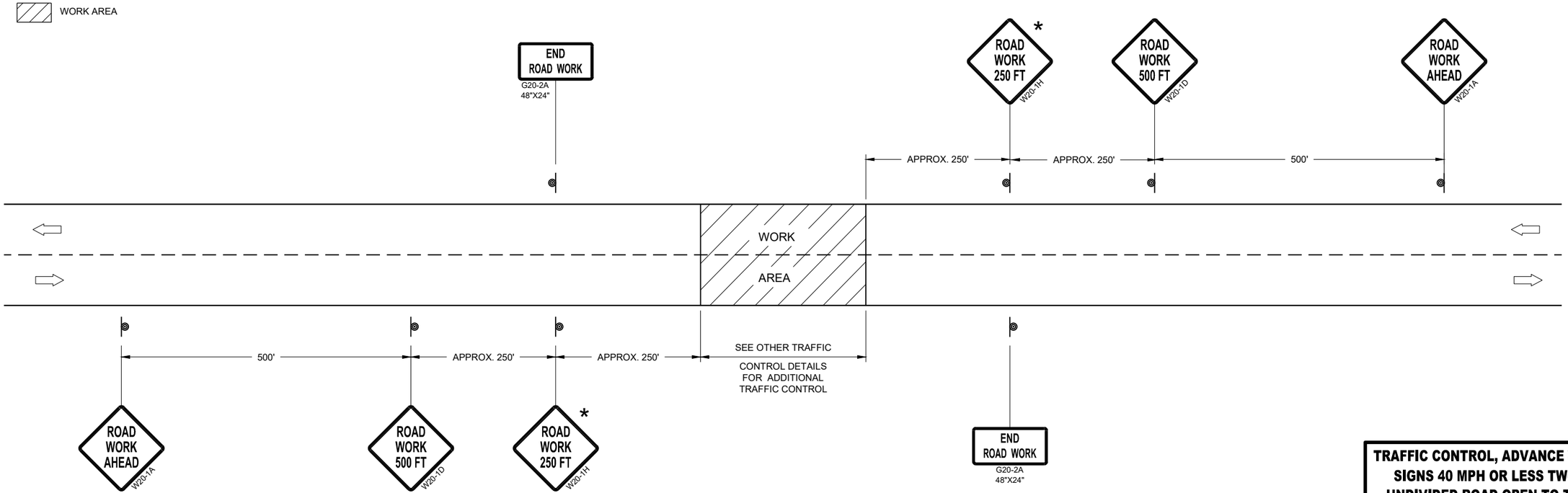
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

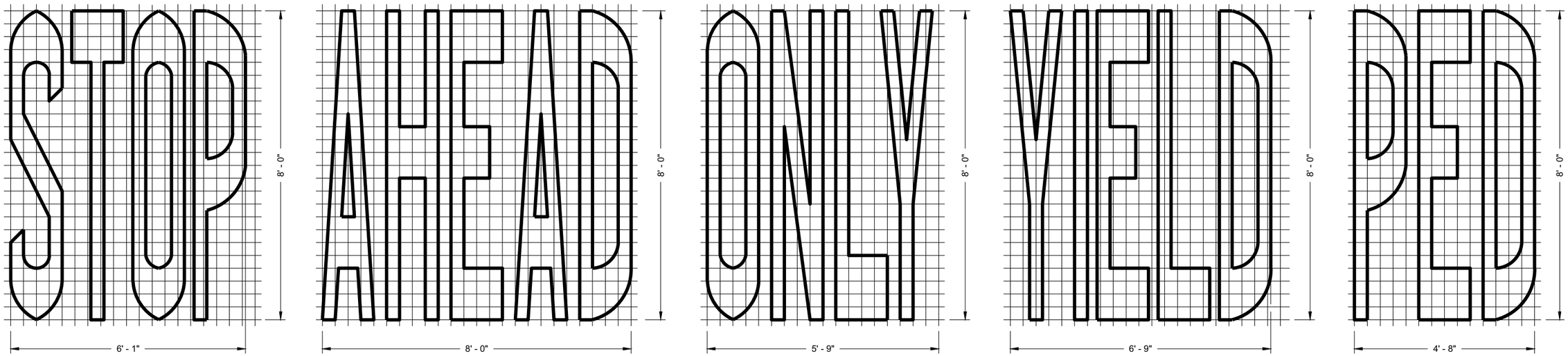
APPROVED
July 2018
DATE

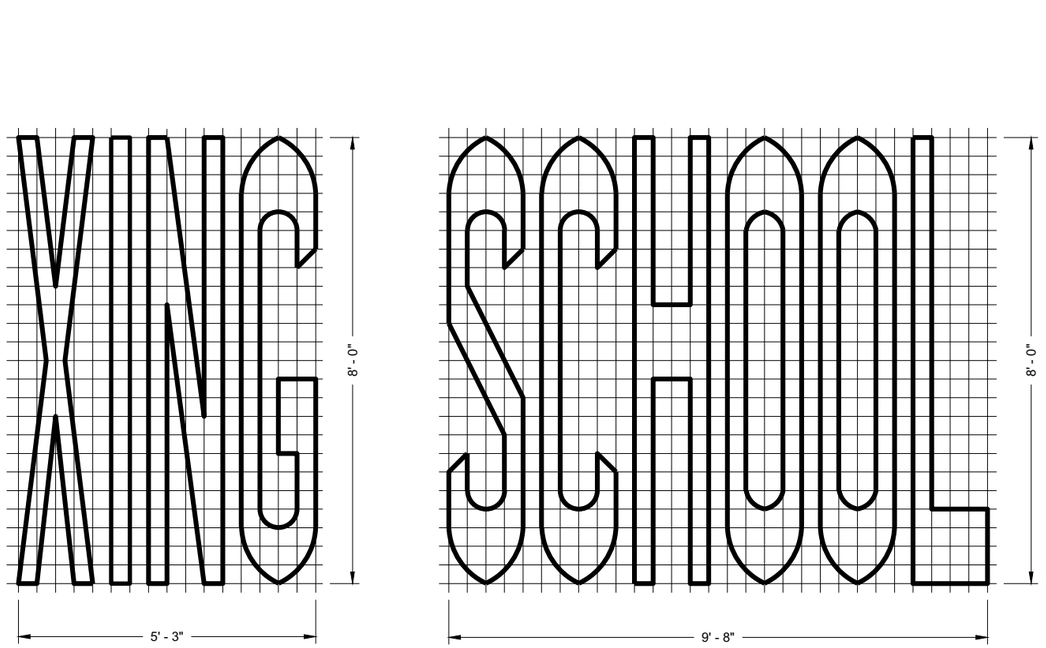
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

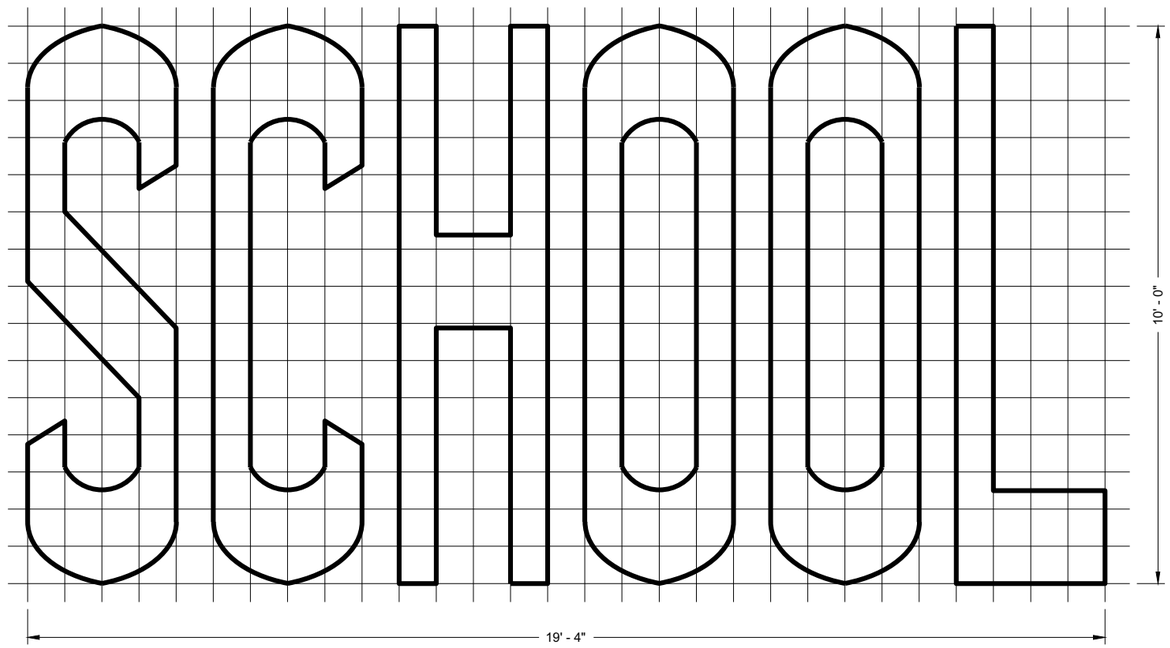
6

SDD 15C05 - 05





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

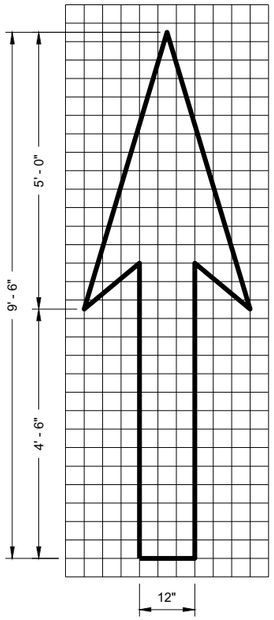
6

SDD 15C07 - 15b

SDD 15C07 - 15b

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



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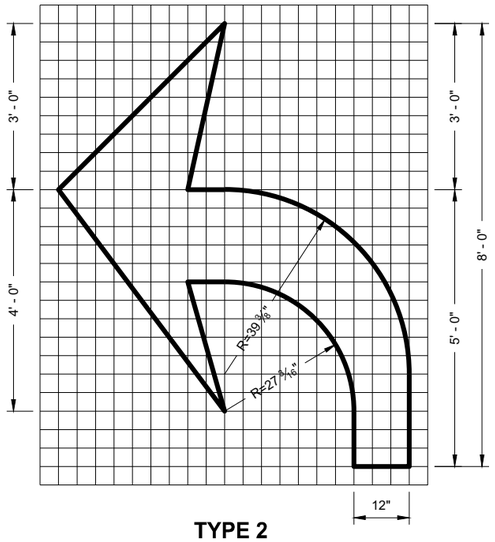

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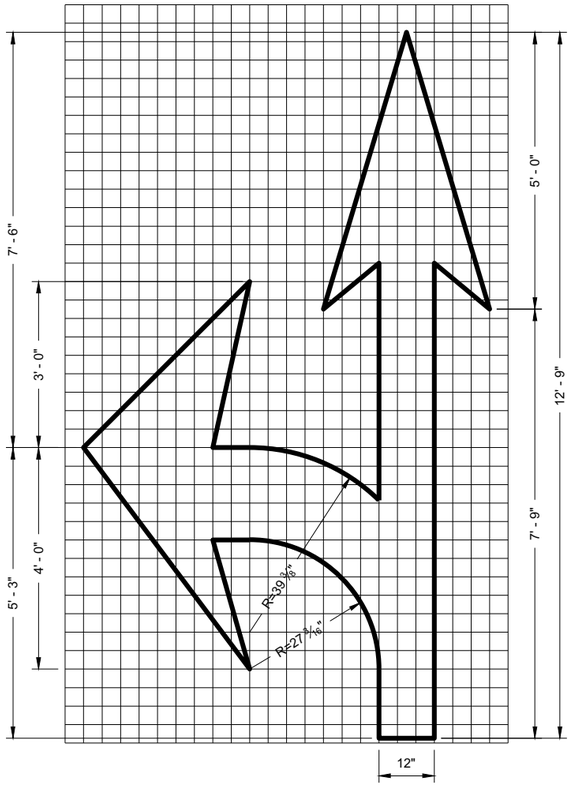

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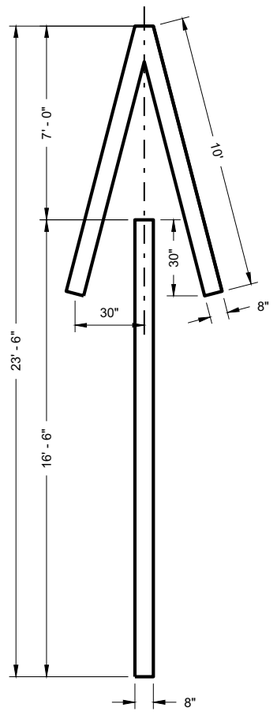
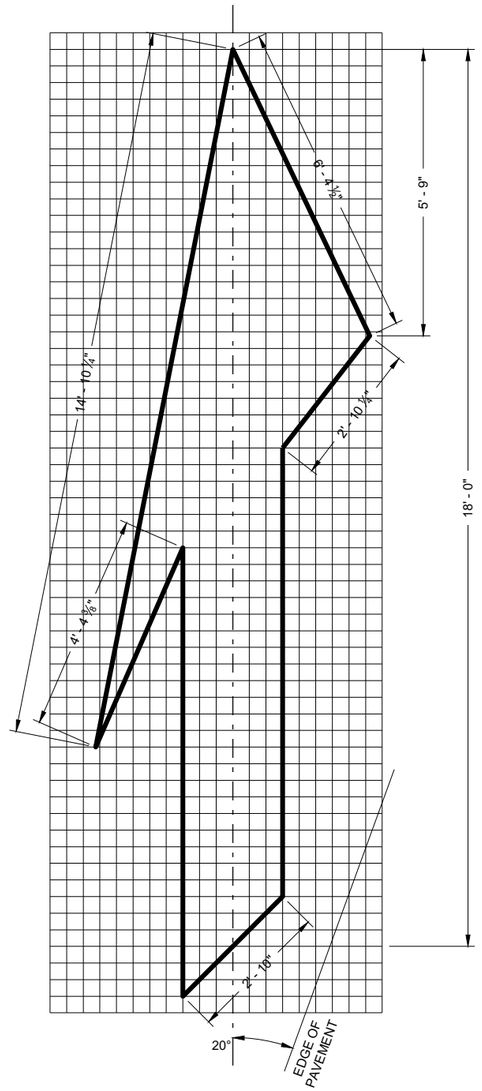
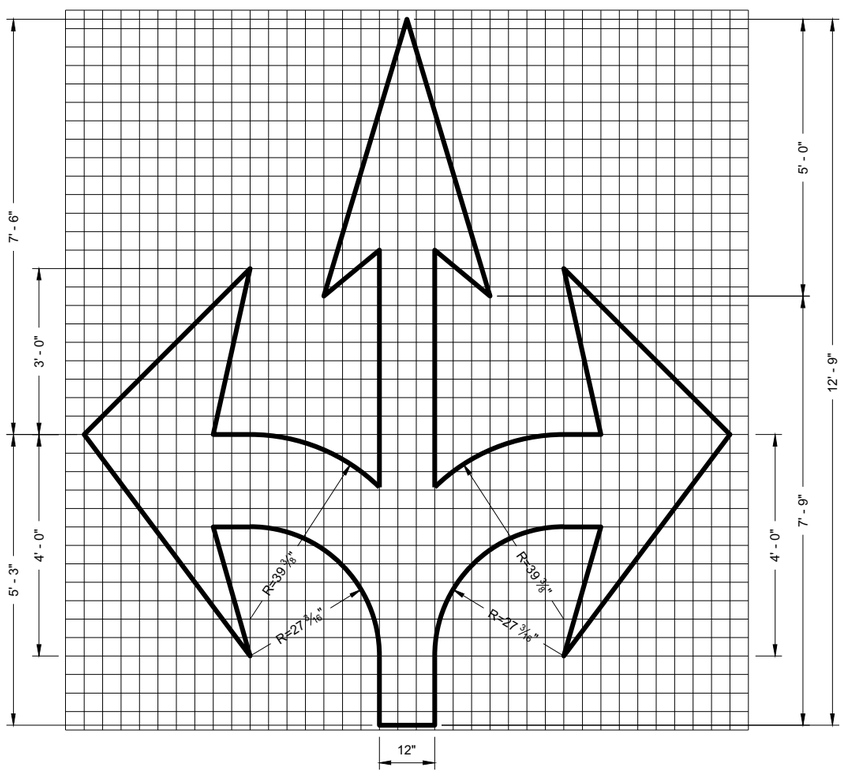


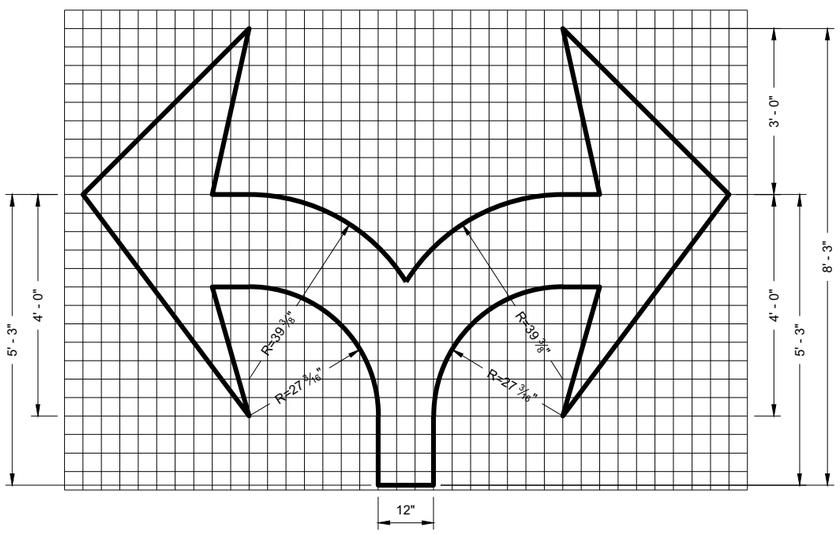
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

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6

SDD 15C07 - 15c

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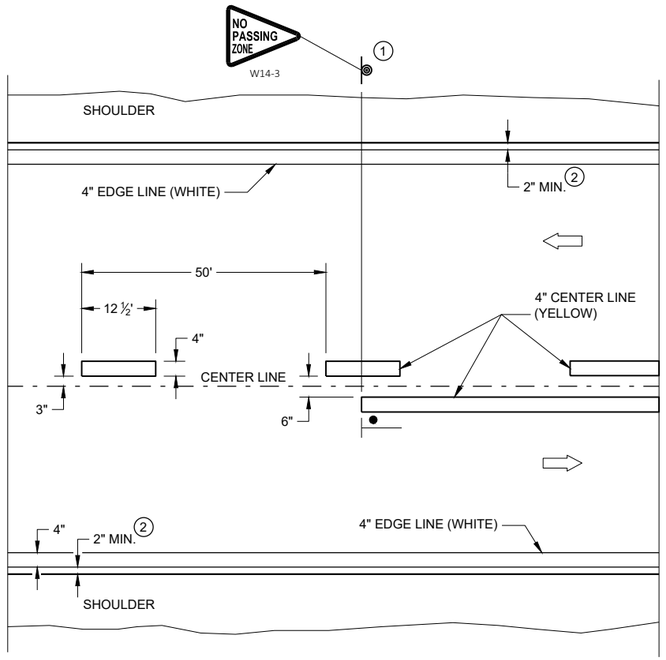
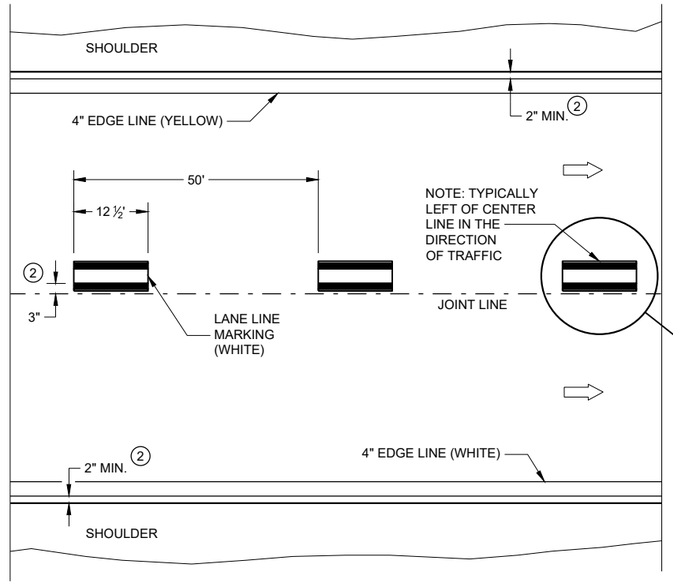
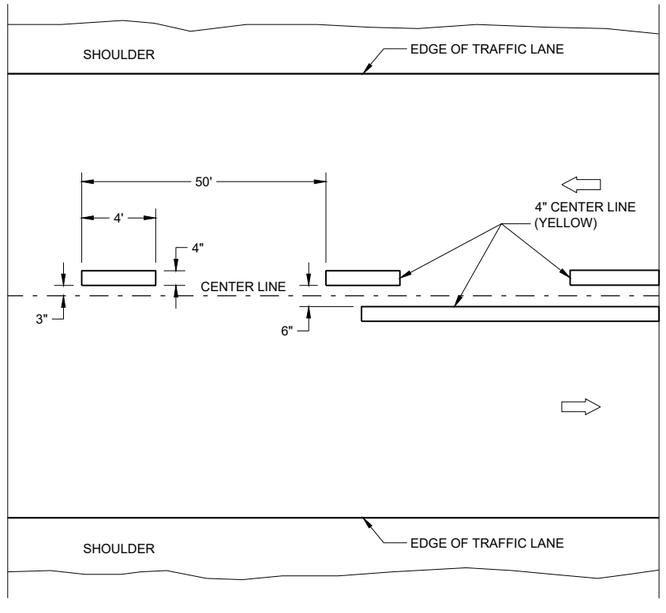


TWO WAY TRAFFIC

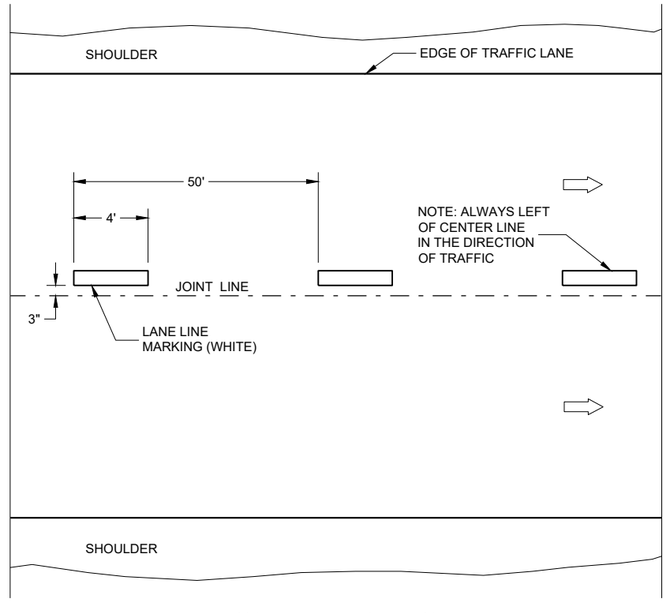


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

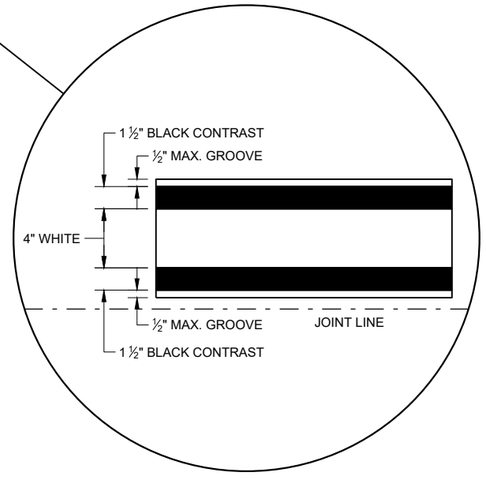
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Matthew Rauch
STATEWIDE SIGNING AND M ENGINEER

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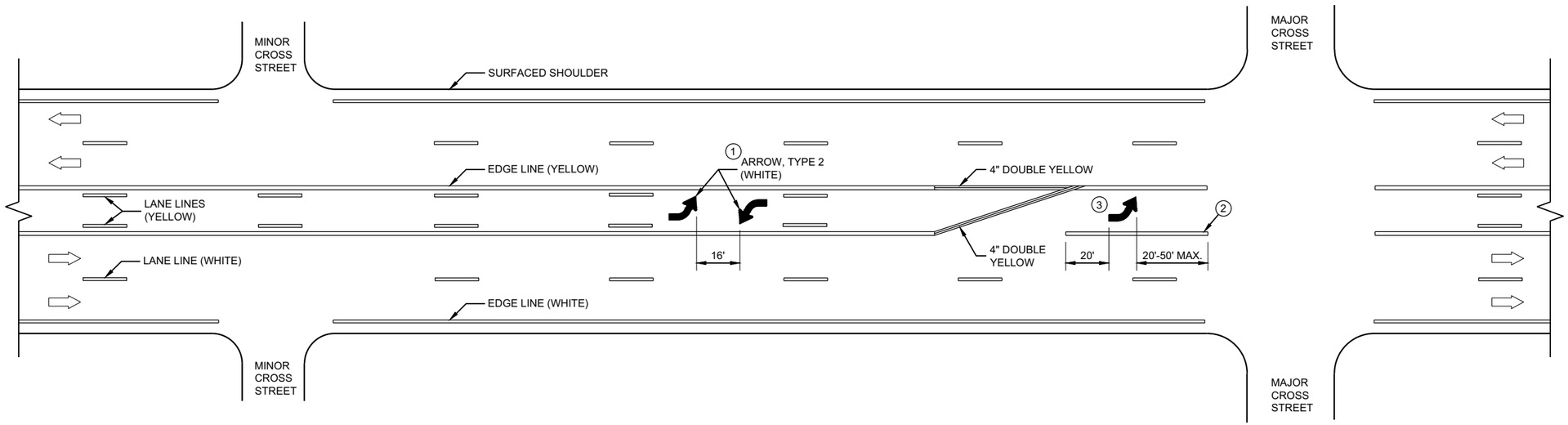
SDD 15C08 - 20a

SDD 15C08 - 20a

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

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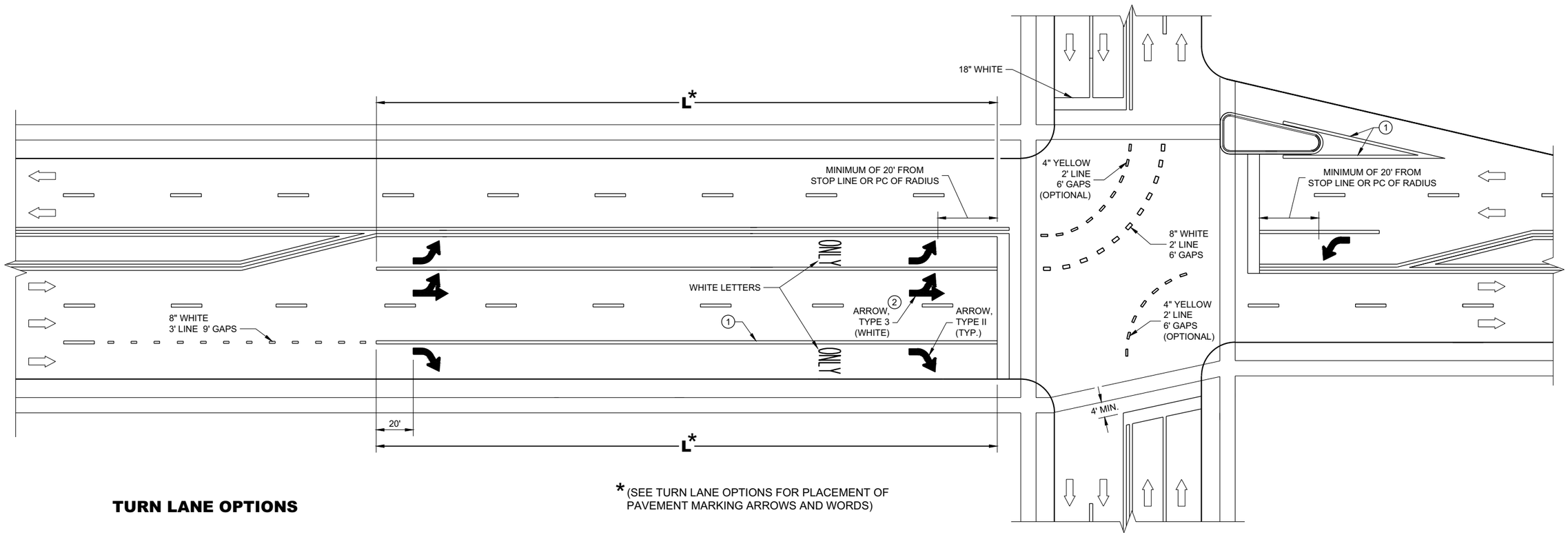
SDD 15C08 - 20b

SDD 15C08 - 20b

PAVEMENT MARKING (TURN LANES)

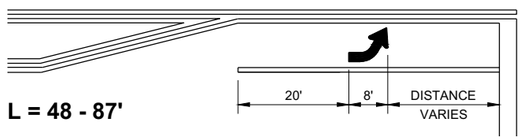
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA



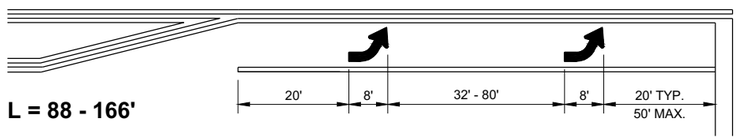
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

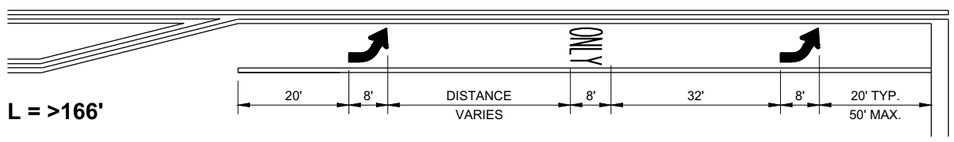
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. 8" WHITE
2. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

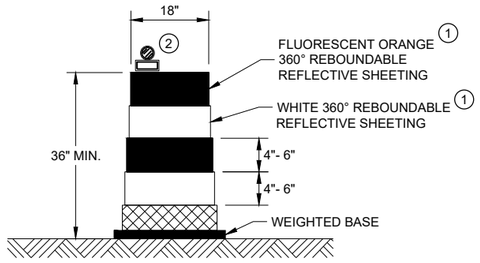
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 15C08 - 20c

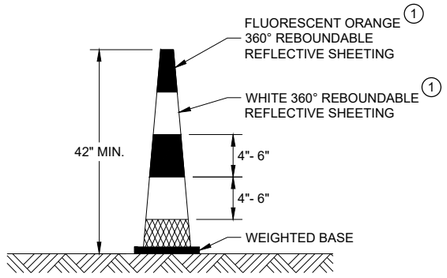
6
SDD 15C08 - 20c

GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.

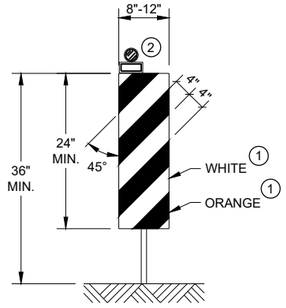


DRUM



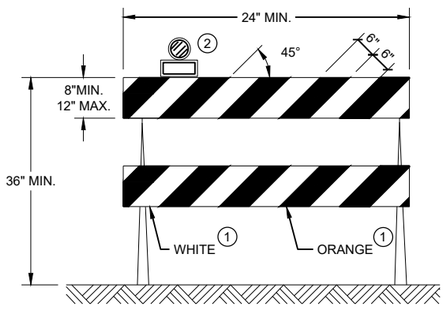
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



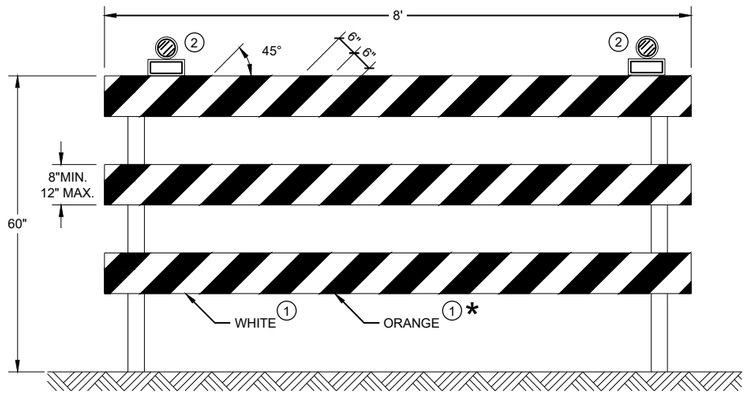
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C11 - 09b

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LEGEND

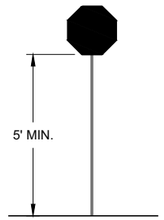
SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



STOP/SLOW PADDLE ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FOR THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

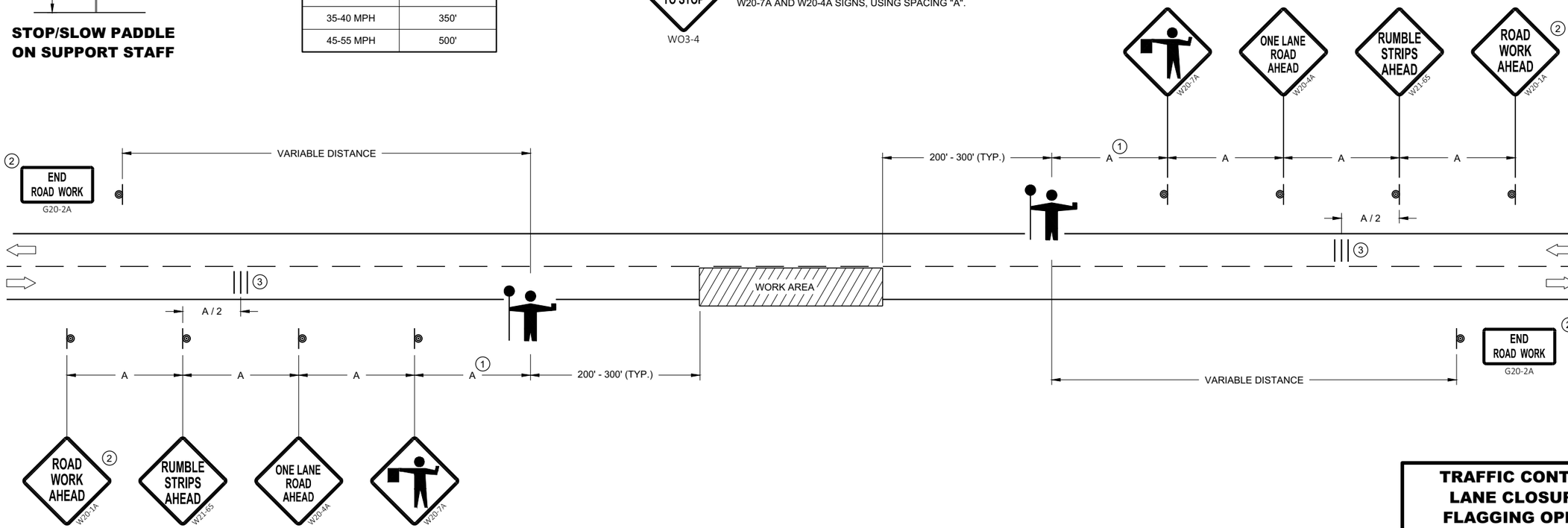
DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15C12 - 07

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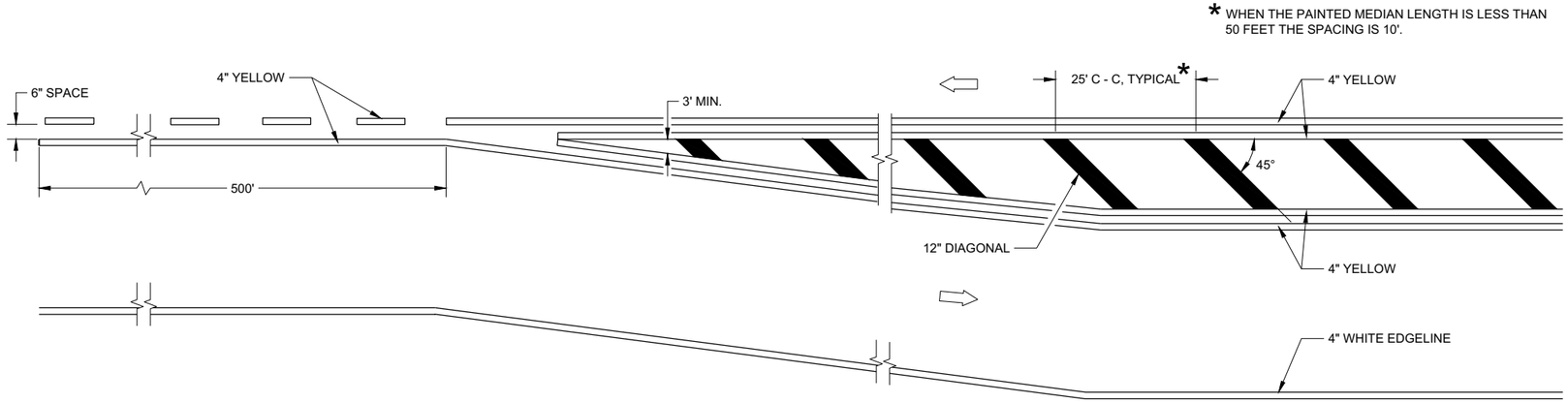
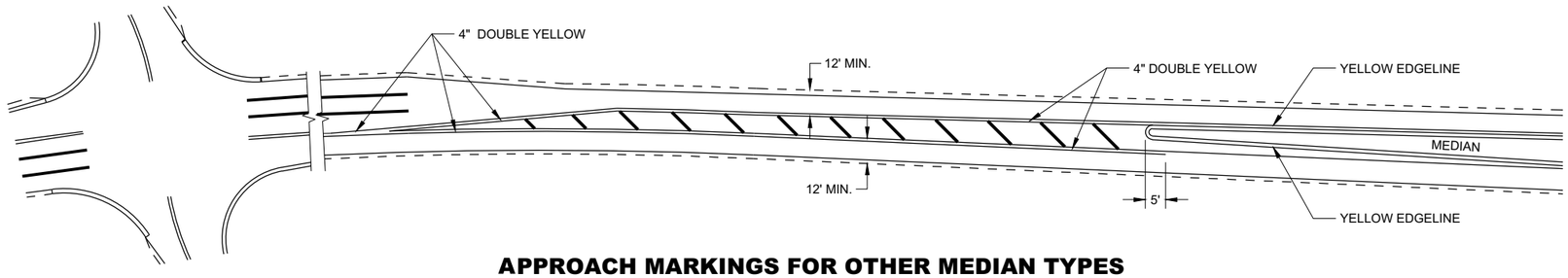


MEDIAN ISLAND DETAIL

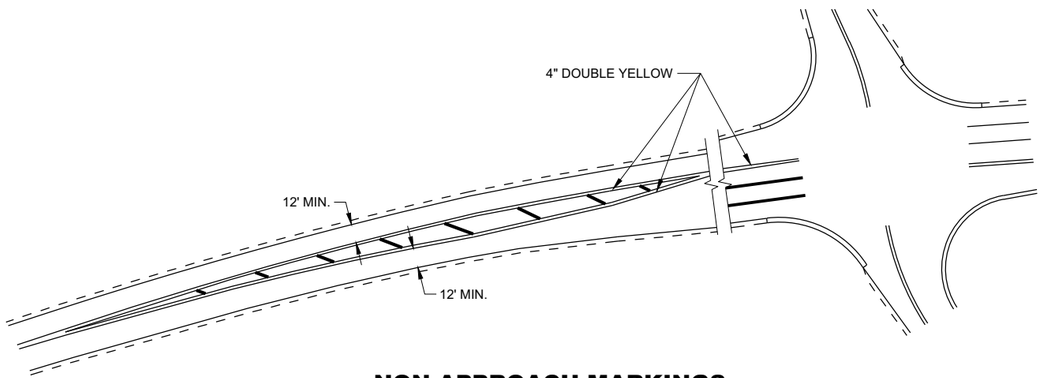
GENERAL NOTES

DIAGONALS ARE OPTIONAL WHEN PAINED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

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SDD 15C18 - 05a

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MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
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STATE SIGNING AND MAF ENGINEER

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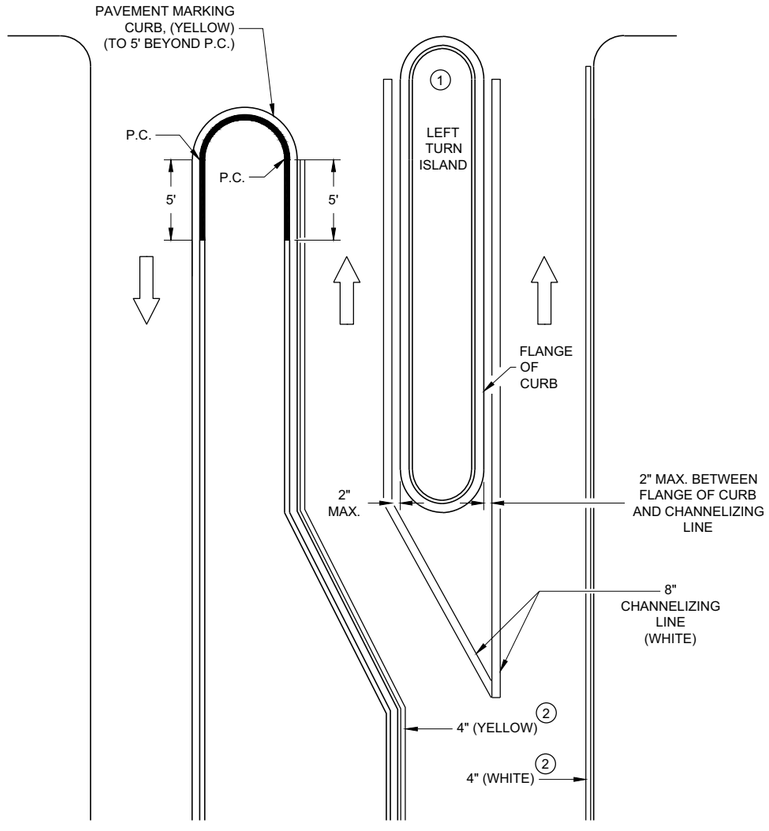
REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED



LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

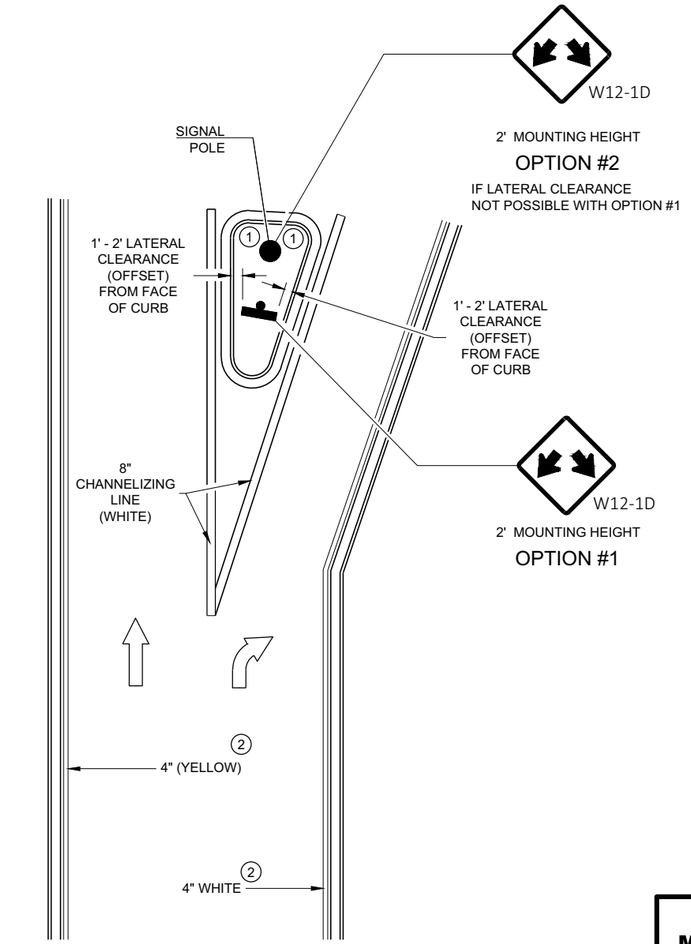
APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

(1) MARK CURB NOSES YELLOW.

(2) MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021 — DATE

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SDD 15C18 - 05c

6

SDD 15C18 - 05c

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.

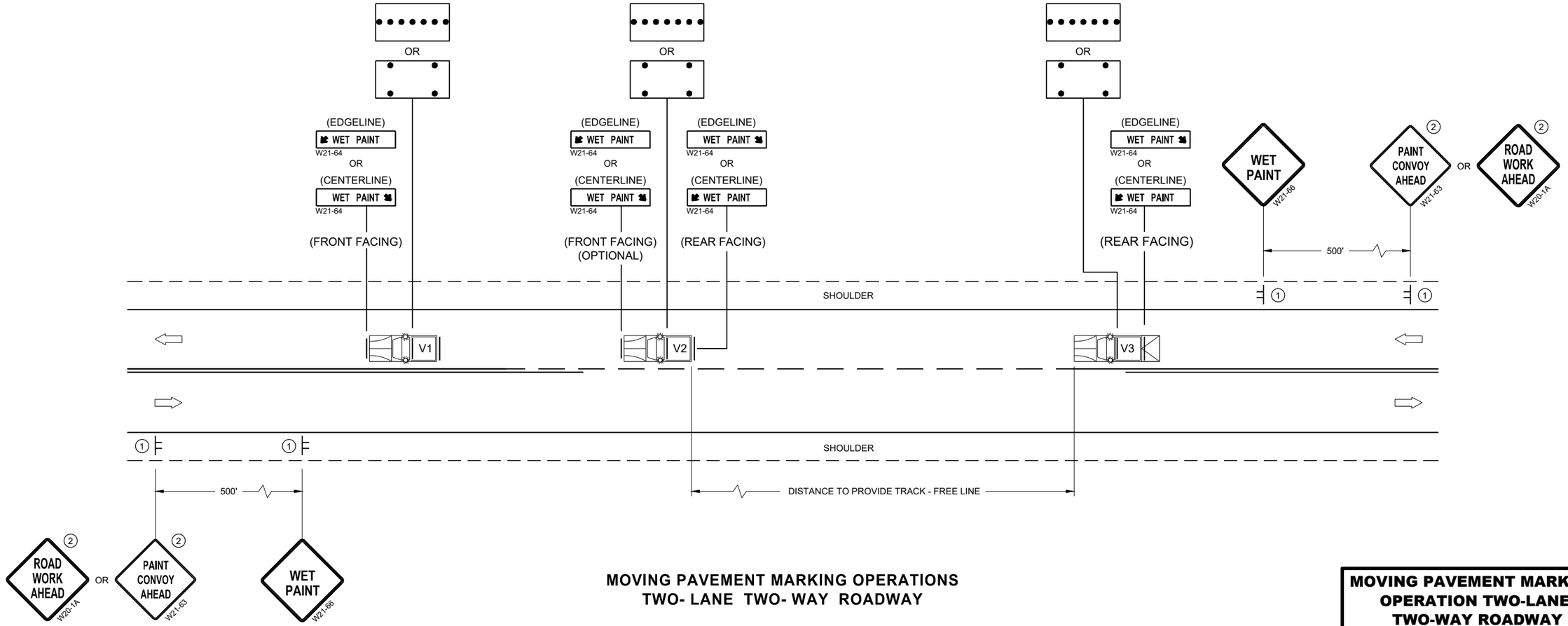
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

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.



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
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15C19 - 06a

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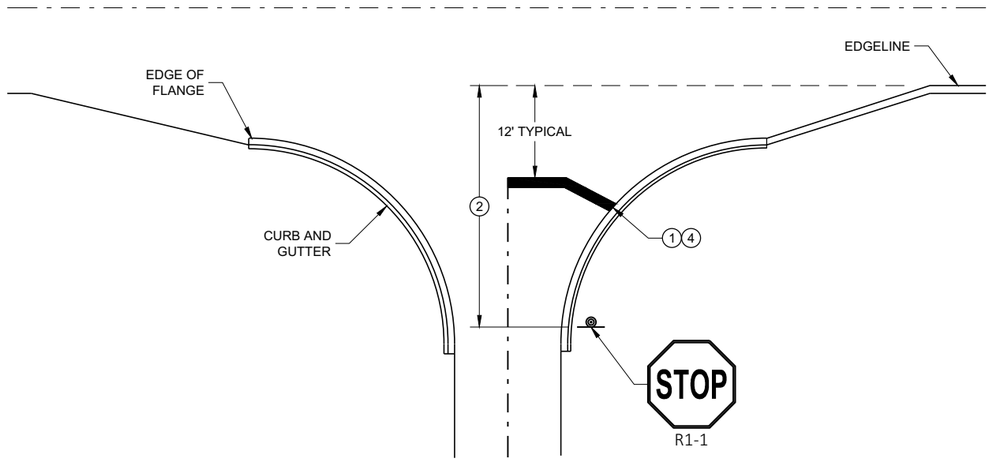
SDD 15C19 - 06a

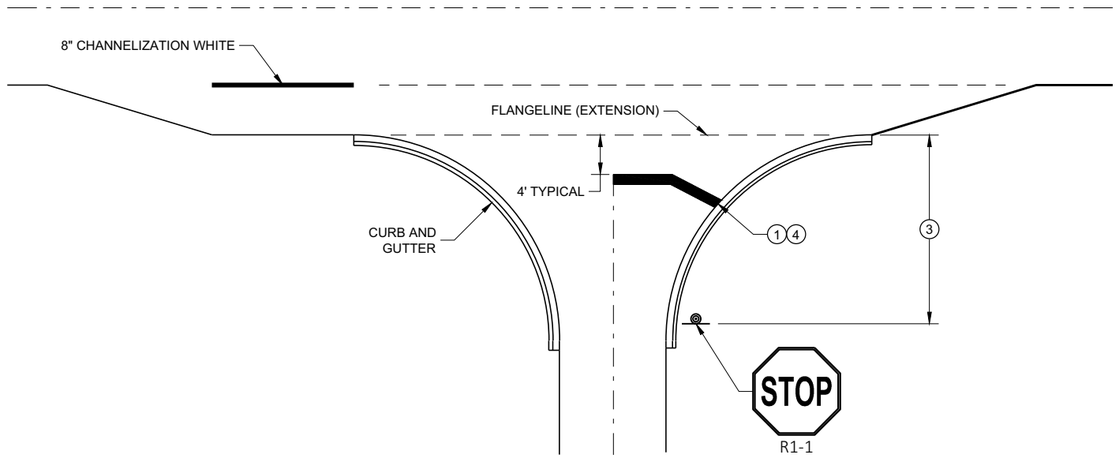
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

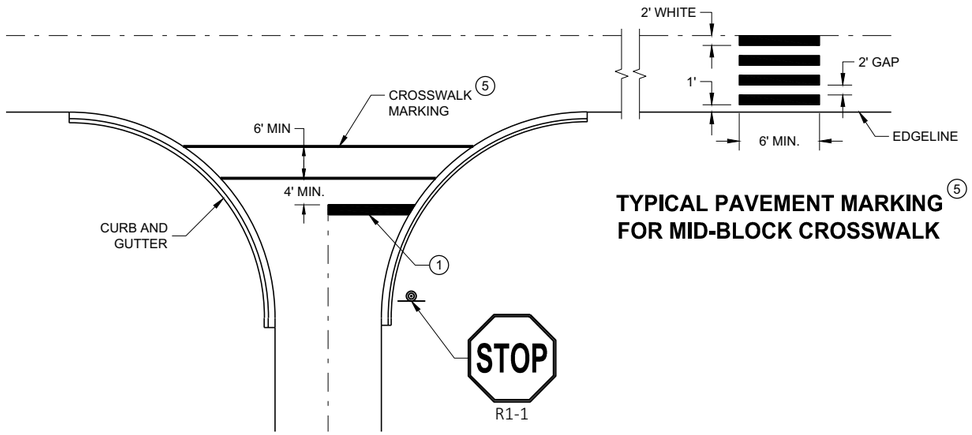
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

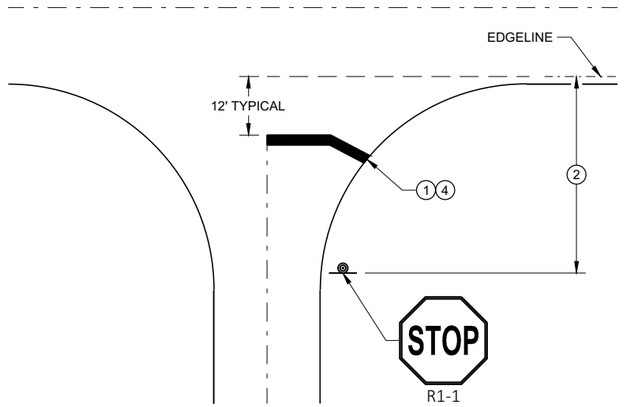


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

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SDD 15C33 - 04

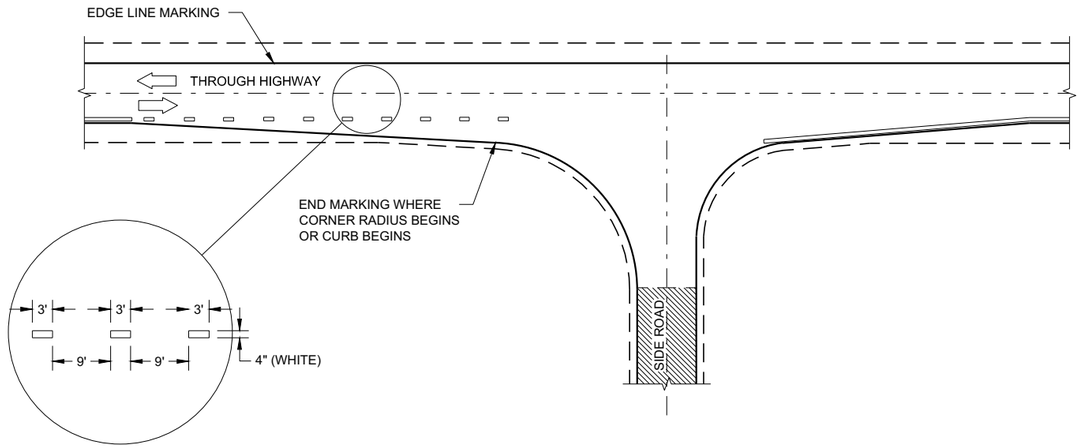
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

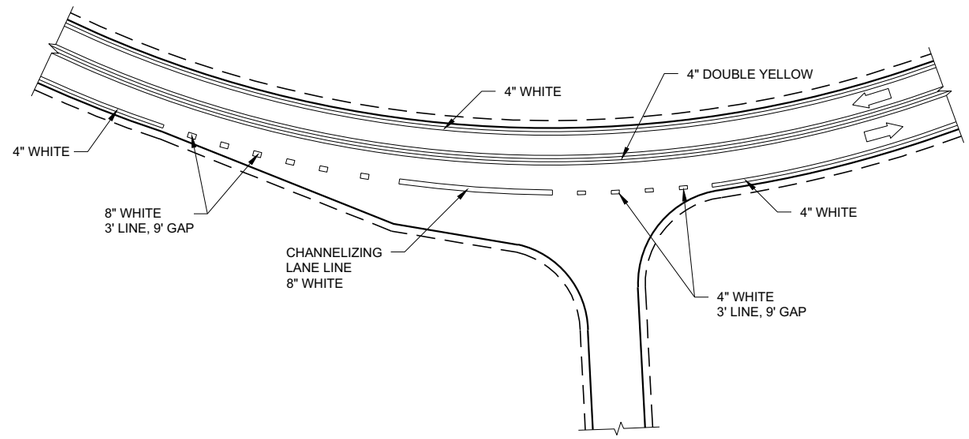
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

LEGEND

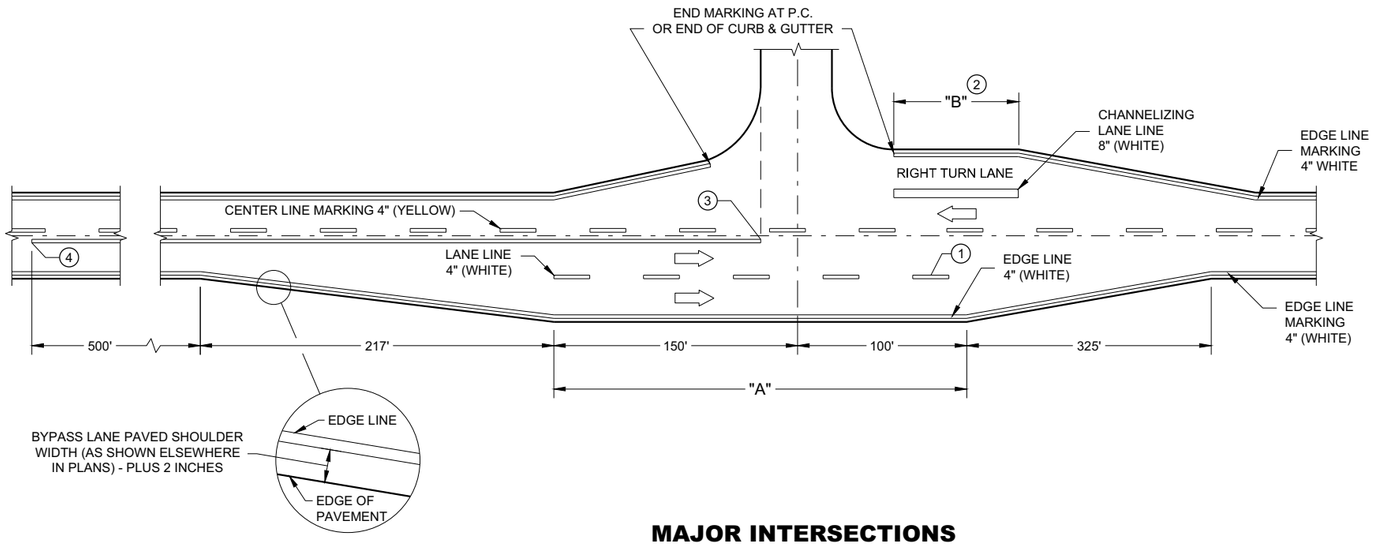
DIRECTION OF TRAVEL



MINOR INTERSECTION



INTERSECTION ON OUTSIDE OF CURVE



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

PAVEMENT MARKING (INTERSECTIONS)

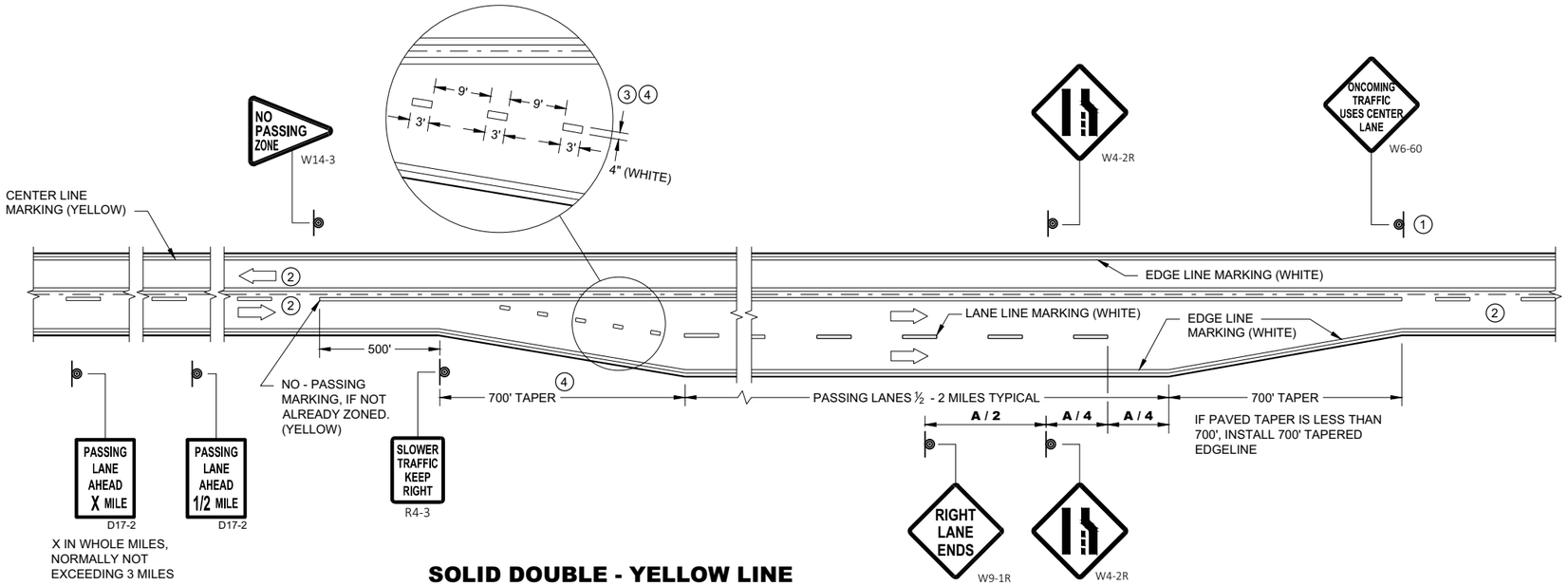
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

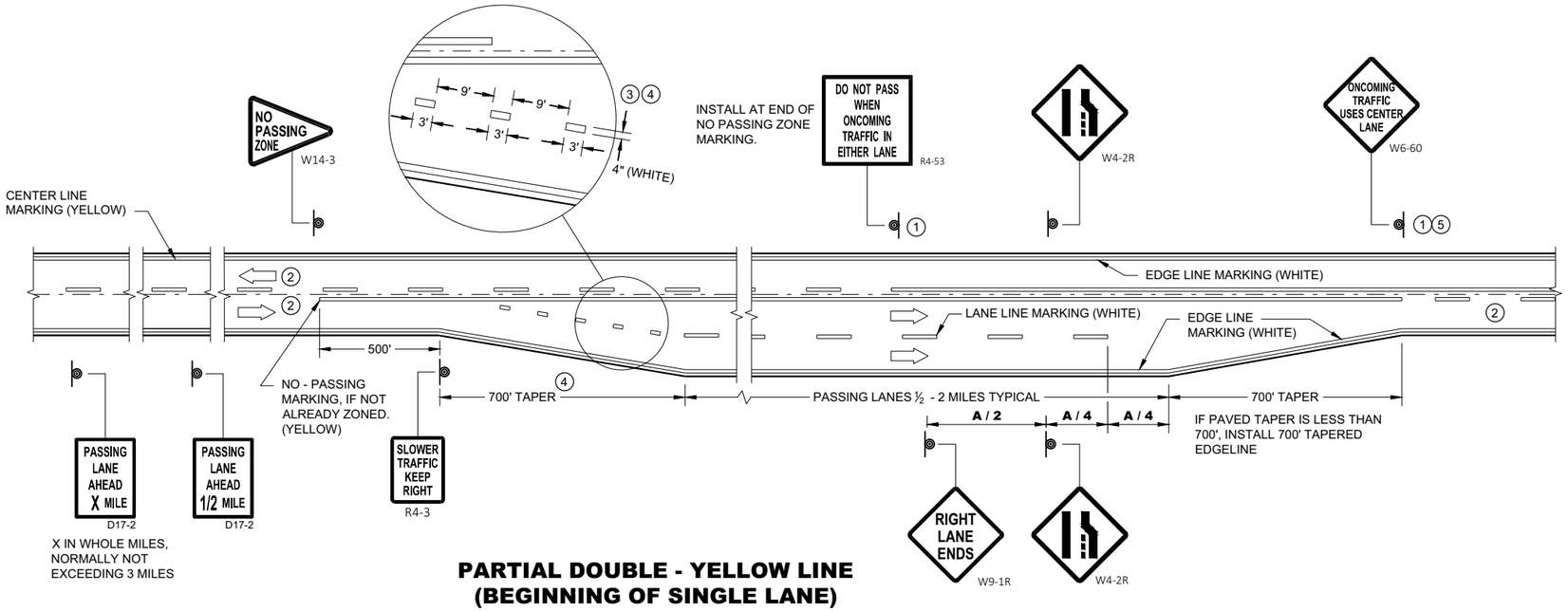
SDD 15C35 - 04a

6

SDD 15C35 - 04a



SOLID DOUBLE - YELLOW LINE
(THROUGHOUT ENTIRE PASSING / CLIMBING LANE)



PARTIAL DOUBLE - YELLOW LINE
(BEGINNING OF SINGLE LANE)

GENERAL NOTES

1. SIGN SHALL BE REPEATED AT 1 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
2. THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
3. THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3' LINE, 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
4. WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING / CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.
5. REPEAT EVERY 1 MILE UP UNTIL R4-53.

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE

POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	775
50	885
55	990

PAVEMENT MARKING & SIGNING (CLIMBING LANE & PASSING LANE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 15C35 - 04b

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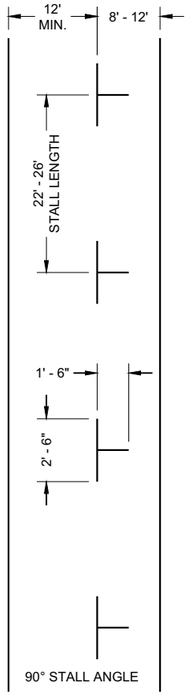
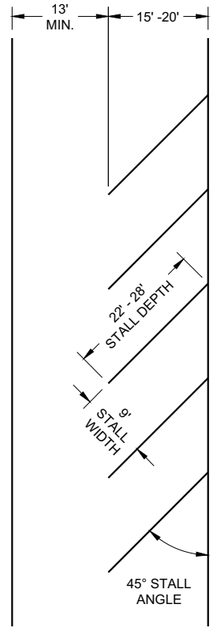
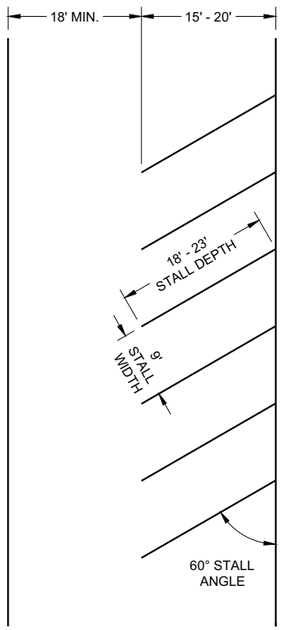


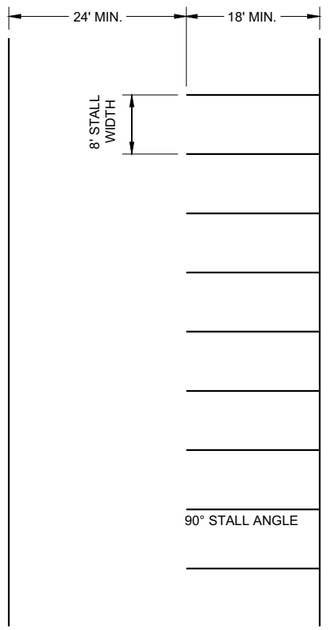
PARALLEL PARKING





ANGLED PARKING

(ANGLED PARKING IS NOT ALLOWED ON STATE HIGHWAYS UNLESS A DESIGN JUSTIFICATION HAS BEEN COMPLETED.)



PARKING LOTS

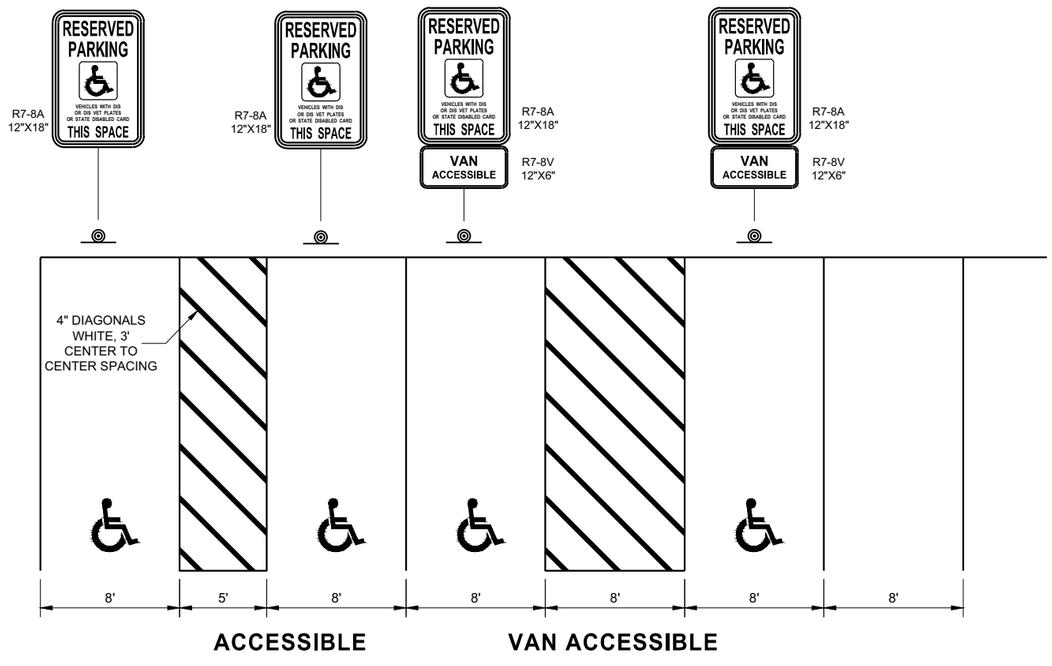
GENERAL NOTES

ALL LINES 4" WHITE (UNLESS OTHERWISE NOTED)

LAST PARKING STALL IS A MINIMUM OF 15' FROM THE CROSSWALK.

LEGEND

SIGN ON PERMANENT SUPPORT



ACCESSIBLE

VAN ACCESSIBLE

PARKING STALL MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

FHWA

6

SDD 15C36 - 01

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- DIRECTION OF TRAFFIC
- WORK ZONE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

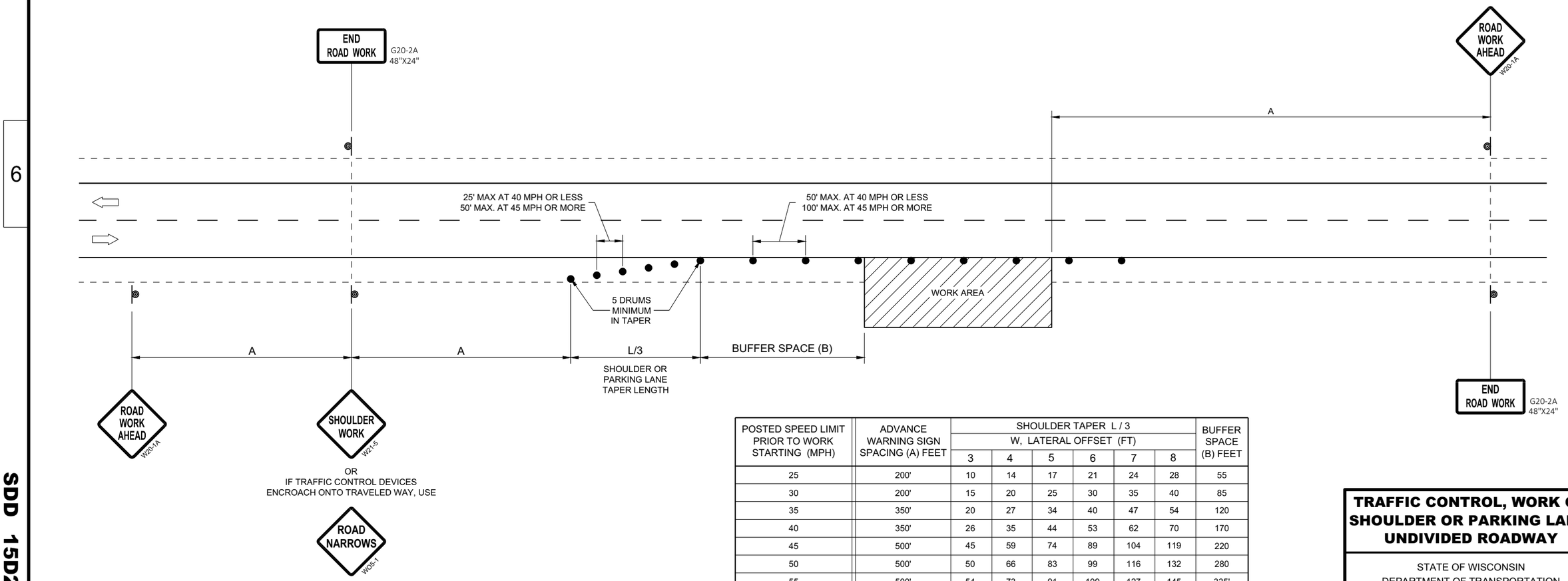
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

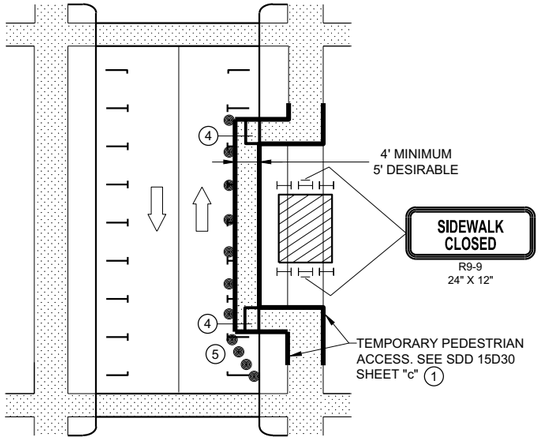
/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

SDD 15D28 - 04

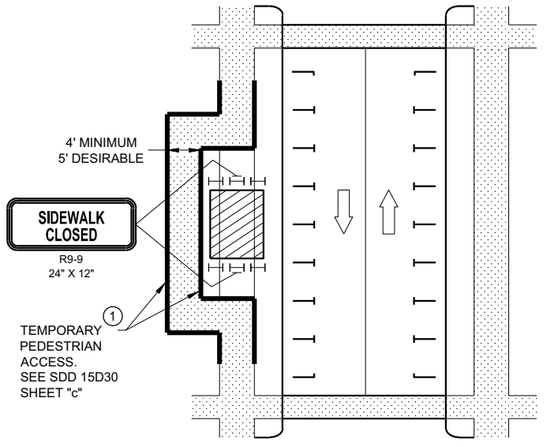
SDD 15D28 - 04

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

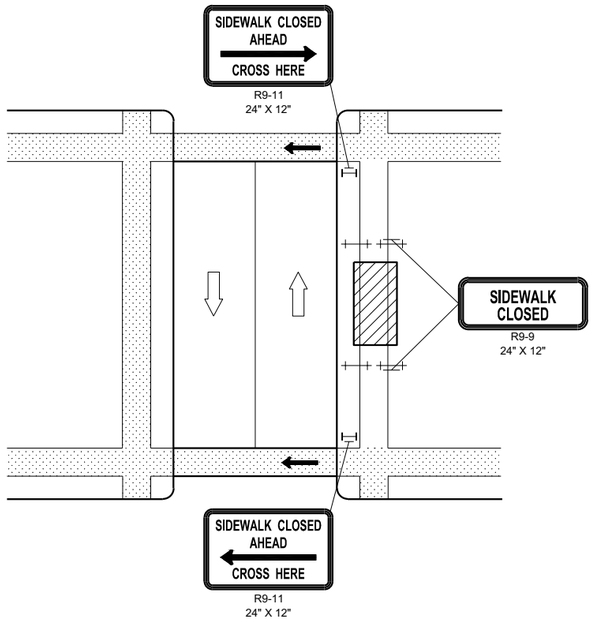


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

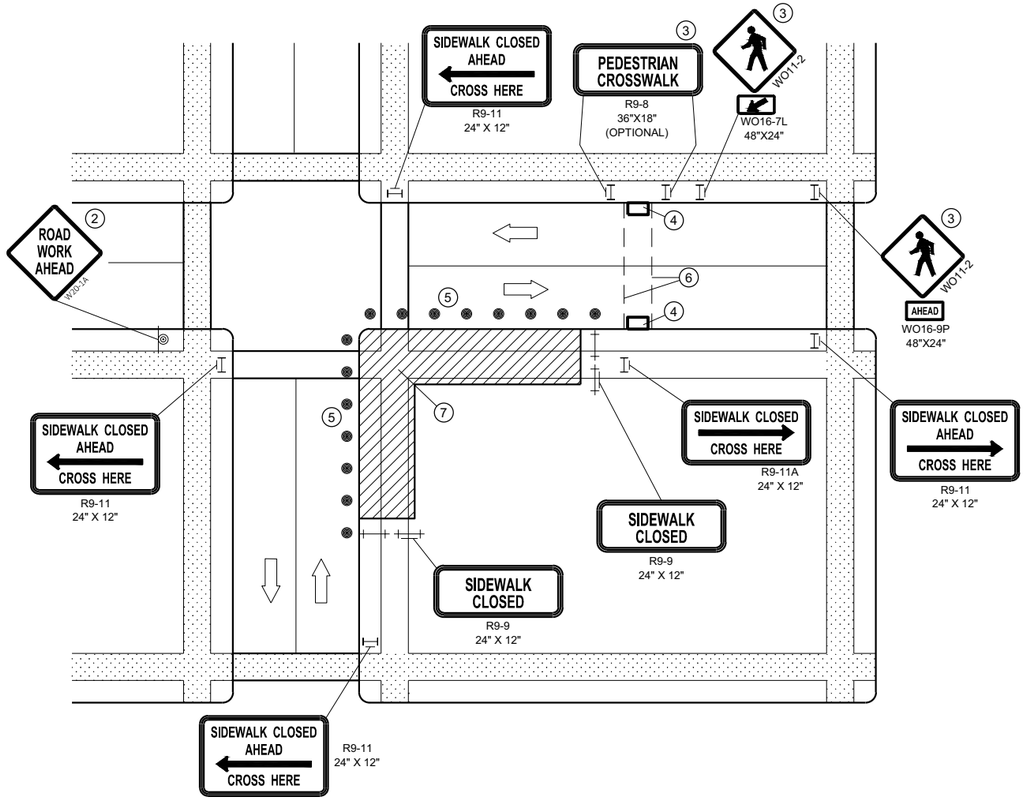
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

"WO" SIGN IS THE SAME AS "W" SIGN, EXCEPT THE BACKGROUND IS ORANGE.

FOR NIGHTIME CLOSURE, USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEK LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

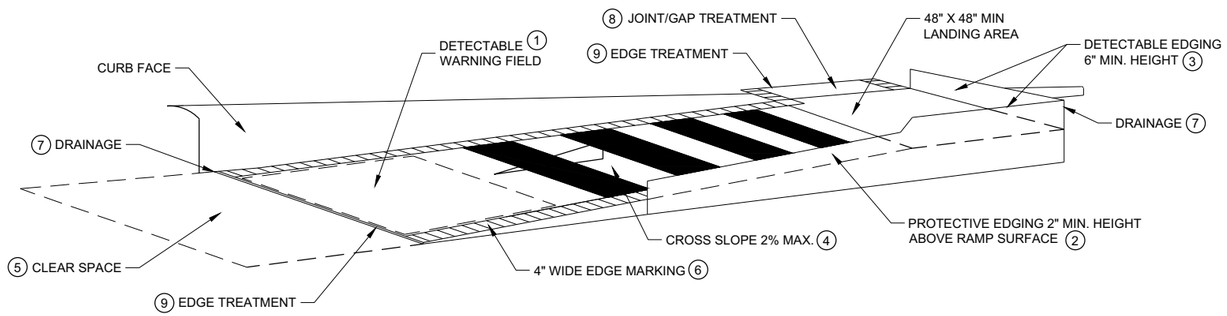
1. IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE
2. "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.
3. IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.
4. TEMPORARY CURB RAMPS. SEE SDD 15D30 SHEET "b'.
5. DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
6. TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
7. LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

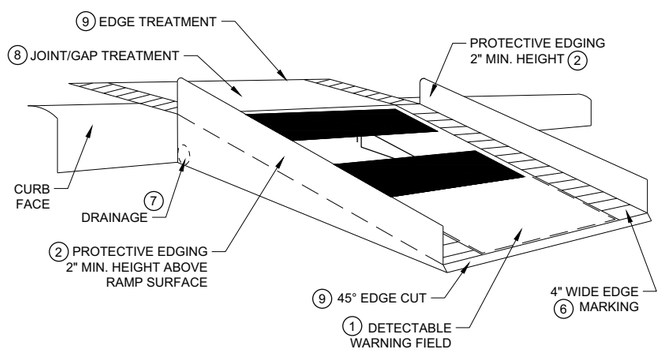
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

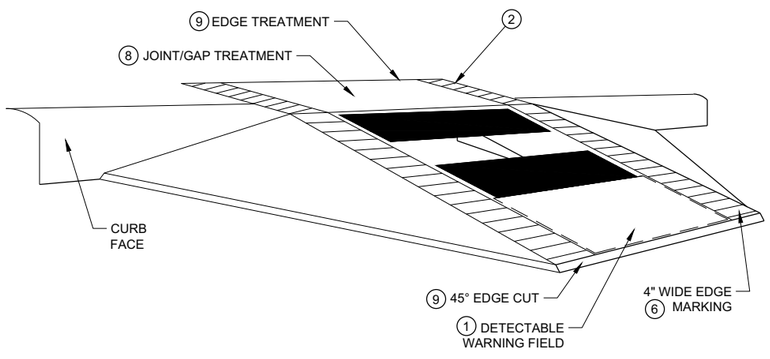
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

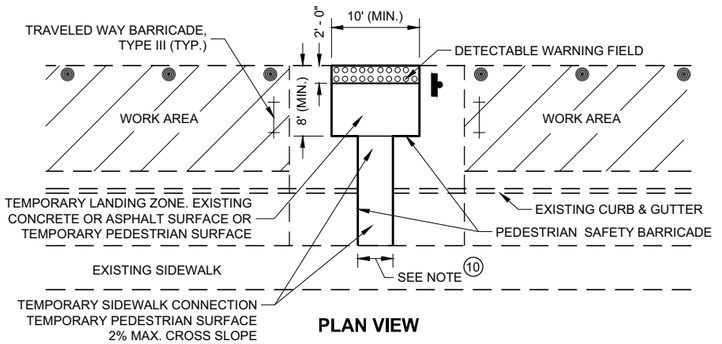
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

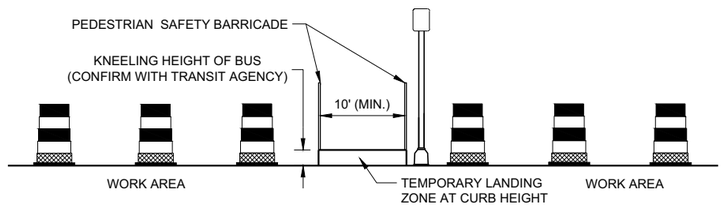
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

1. CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 08D05, SHEET "e".
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
5. CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
6. THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
7. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES SHALL BE VERTICAL UP TO ¼" HIGH AND BEVELED AT 1:2 BETWEEN ¼" AND ½".
10. 5" WIDE MIN. WITH PEDESTRIAN SAFETY BARRICADE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY BARRICADE.



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

LEGEND

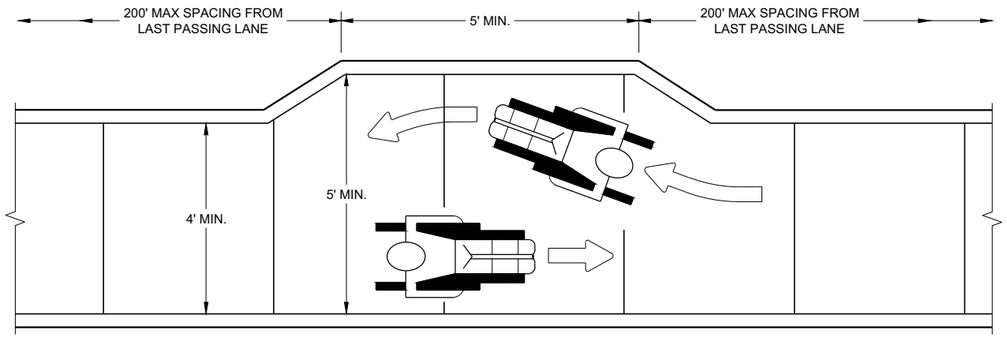
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

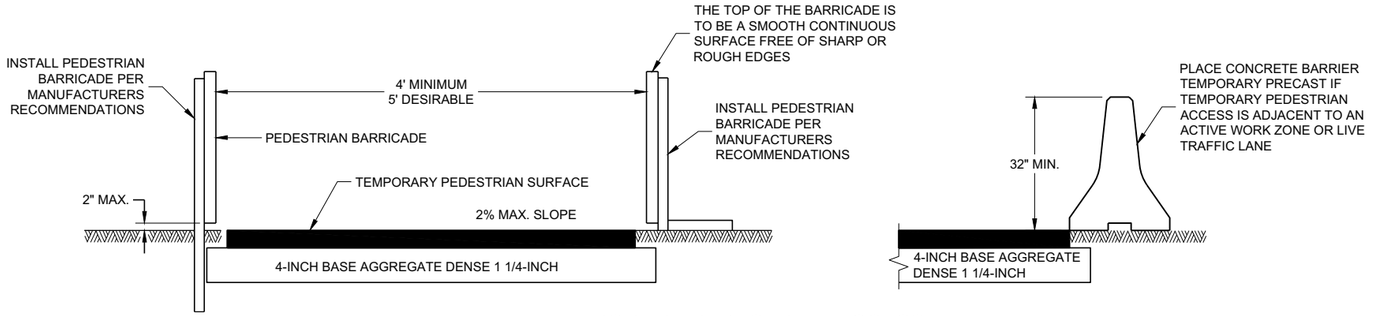
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

6

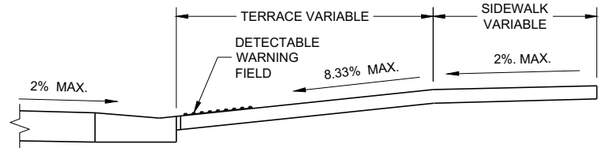
SDD 15D30 - 06b



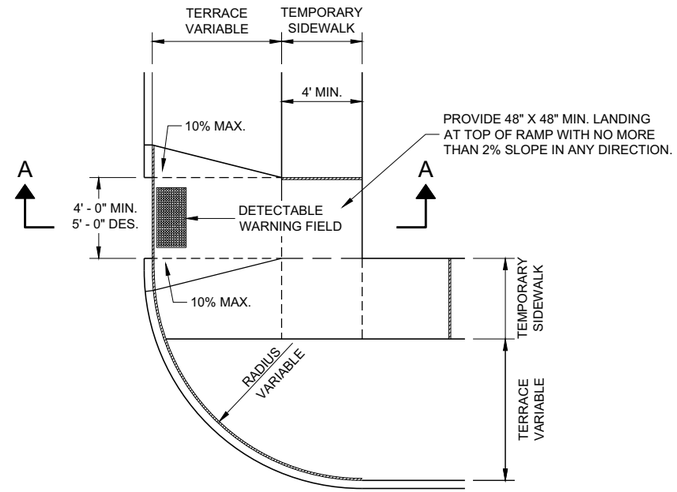
NARROW SIDEWALK PASSING DETAIL



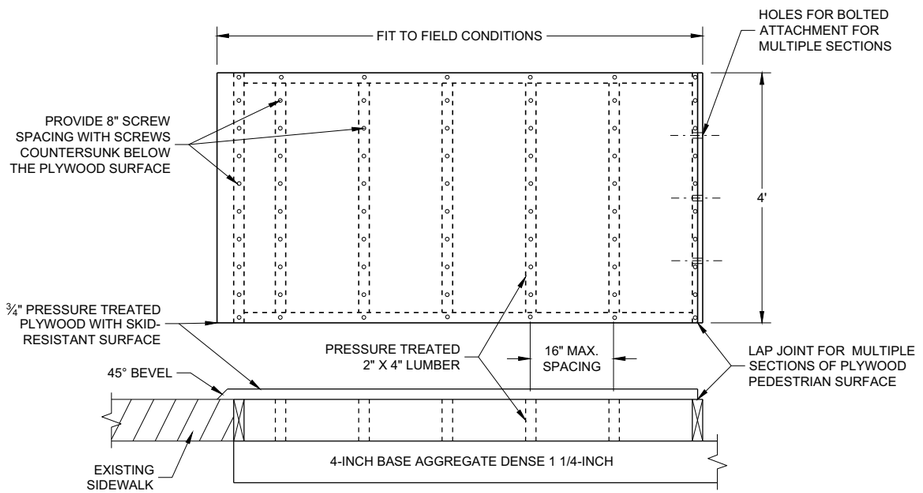
TEMPORARY PEDESTRIAN ACCESS



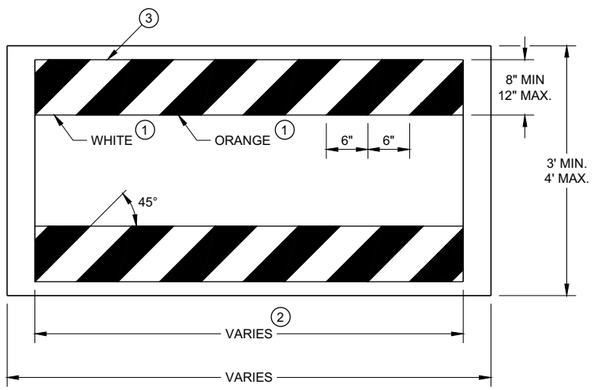
SECTION A - A



PLAN VIEW
TEMPORARY TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



TEMPORARY PEDESTRIAN BARRICADE *

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
3. PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

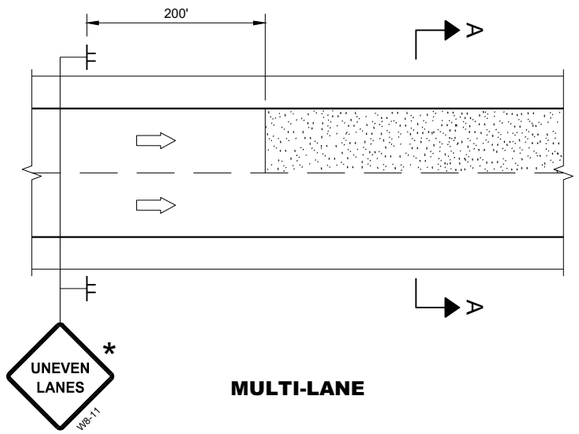
APPROVED
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

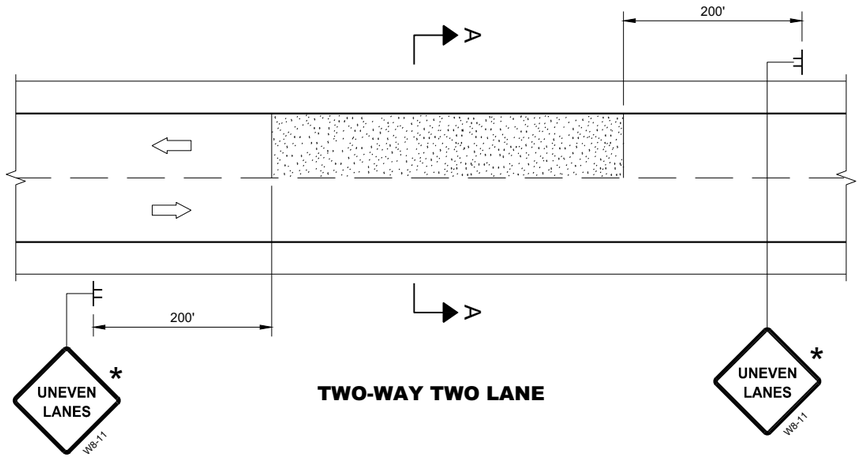
FHWA

SDD 15D30 - 06c

6
SDD 15D30 - 06c



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.

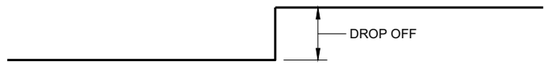
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* 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.

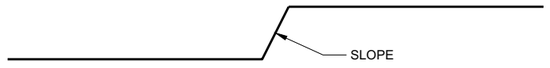
LEGEND

- 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

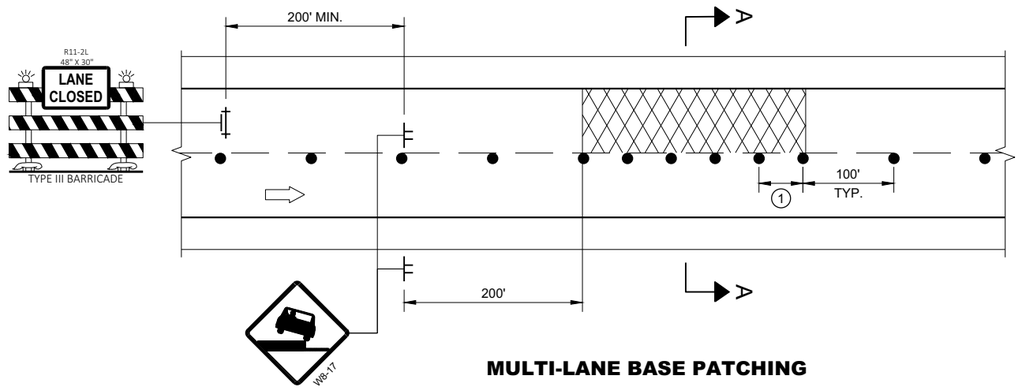


SECTION A - A

OR

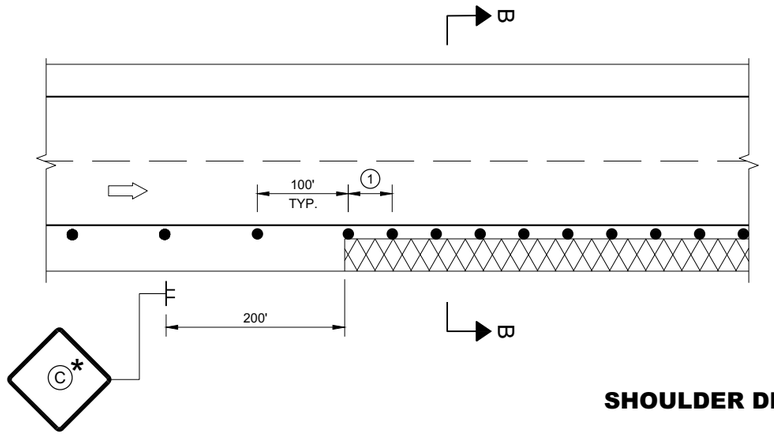


SECTION A - A

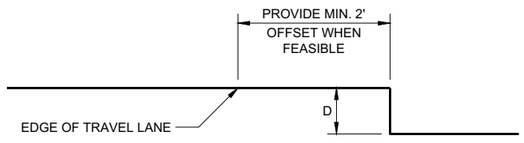


MULTI-LANE BASE PATCHING

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

6

SDD 15D39 - 02

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.

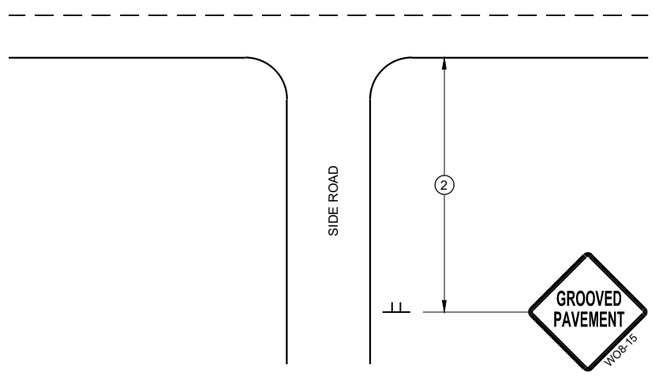
(1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

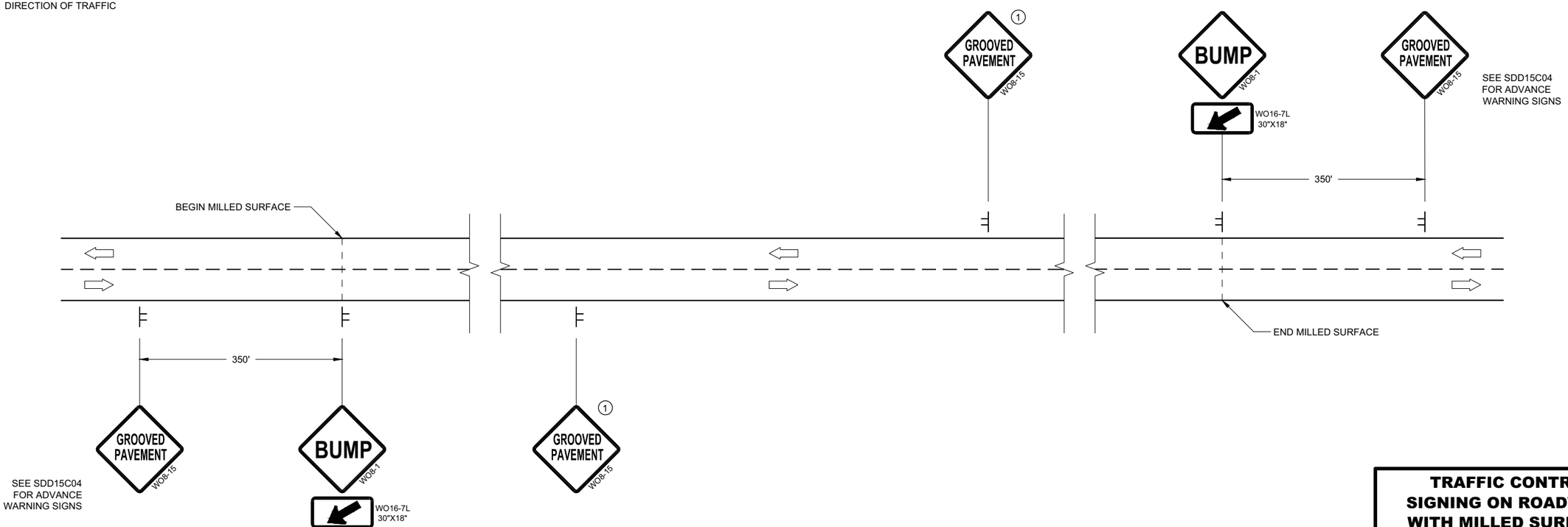
LEGEND

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

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 CHIP SEALED OR LOOSE GRAVEL SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

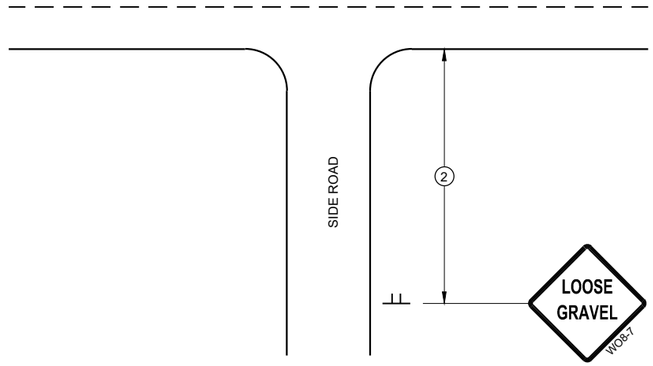
(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

(3) ADD WO8-1 OR WO8-2 SIGN WHEN THE CONDITION IS PRESENT.

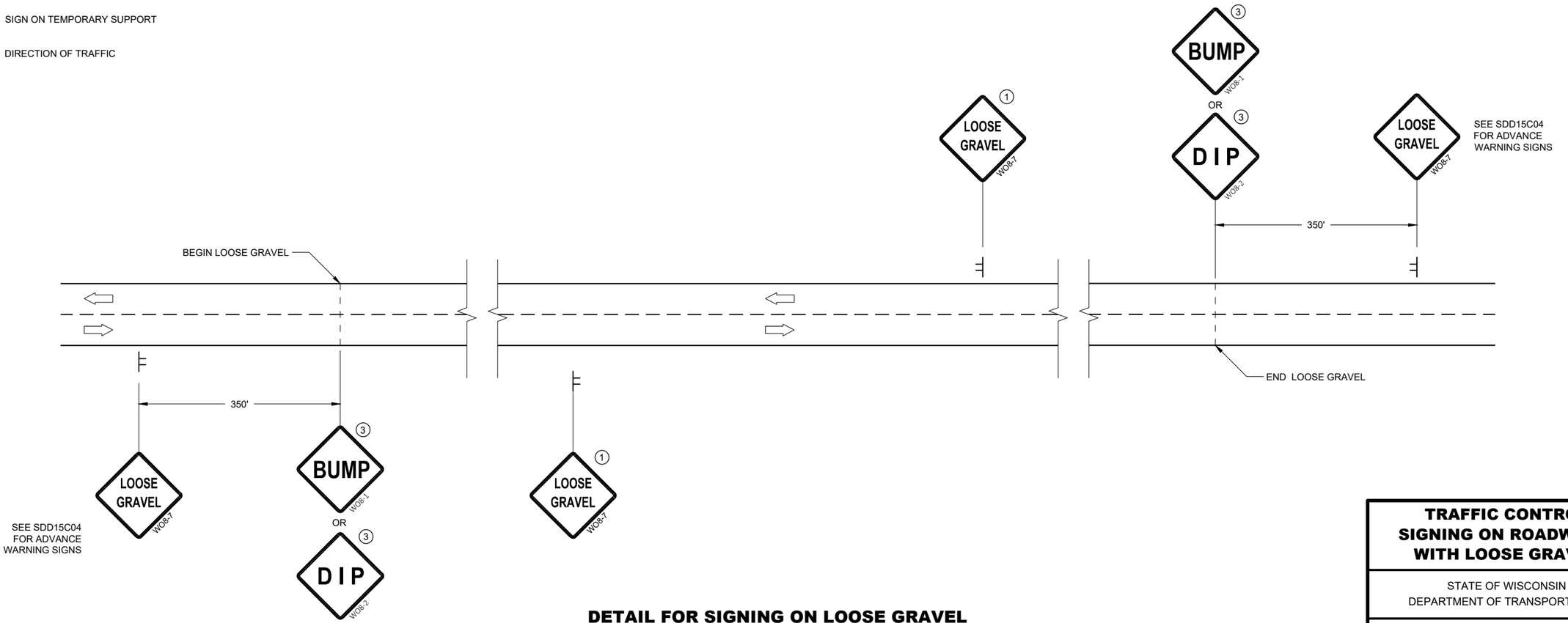
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON LOOSE GRAVEL OR CHIP SEALED SURFACES

TRAFFIC CONTROL SIGNING ON ROADWAYS WITH LOOSE GRAVEL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

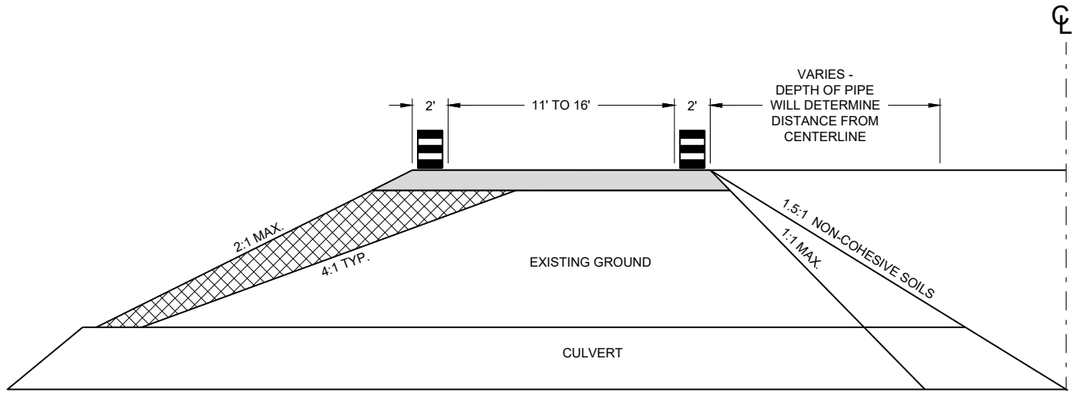
FHWA

6

SDD 15D45 - 03

6

SDD 15D45 - 03



CROSS SECTION

GENERAL NOTES

USE 1:1 FOR COHESIVE CLAYS AND SILTS, LOAMS, SANDY CLAYS AND ANGULAR GRAVEL SOILS.
USE 1.5:1 FOR NON-COHESIVE SOILS.

THE TAPER SHOULD EXTEND ACROSS THE SHOULDER UNLESS DOING SO WOULD GREATLY CONFLICT WITH THE WORK OPERATION.

ALL LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL DEVICES REMOVED BEYOND THE SHOULDER WHEN WORK IS NOT IN PROGRESS AND THE LANE IS RESTORED TO A SAFE OPERATING CONDITION.

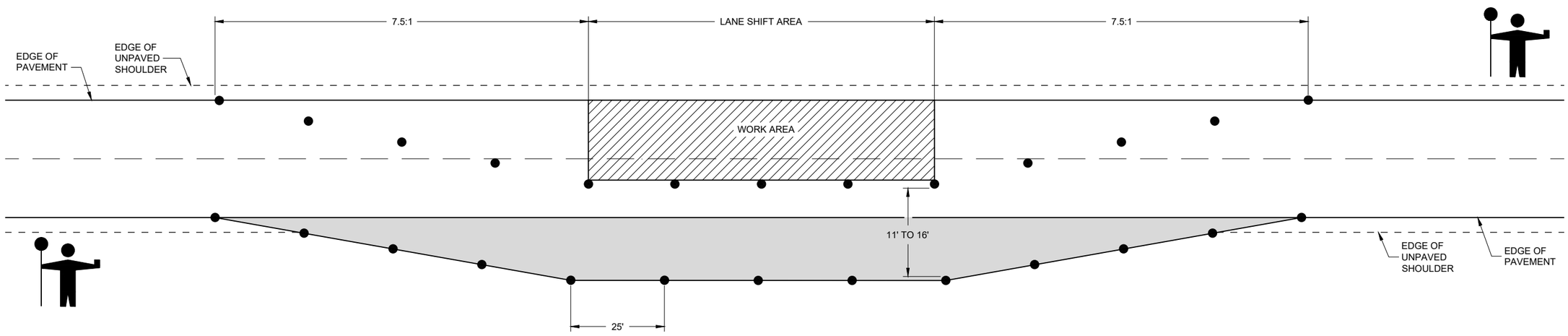
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

USE WITH SDD 15C12 "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS"

USE WITH SDD 15D45 "SIGNING ON ROADWAYS WITH LOOSE GRAVEL"

LEGEND

- DRUM WITHOUT WARNING LIGHT
- 6" BASE AGGREGATE DENSE 1 ¼" -INCIDENTAL TO LANE SHIFT ITEM
- FILL - INCIDENTAL TO LANE SHIFT ITEM
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



LANE SHIFT IN FLAGGING OPERATION

TRAFFIC CONTROL, TEMPORARY LANE SHIFT DURING CULVERT WORK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

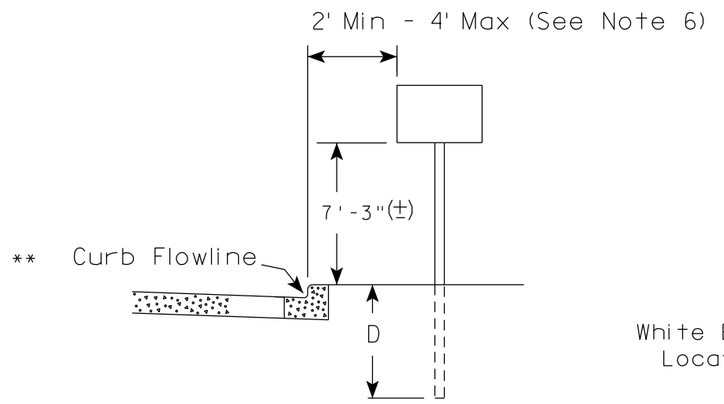
6

SDD 15D48 - 01

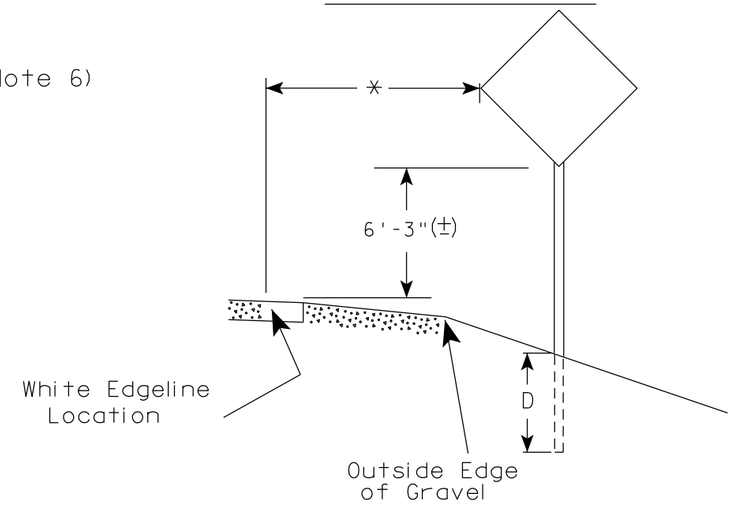
6

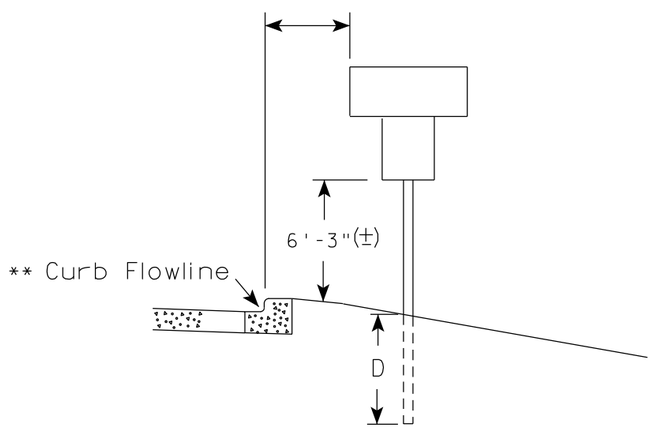
SDD 15D48 - 01

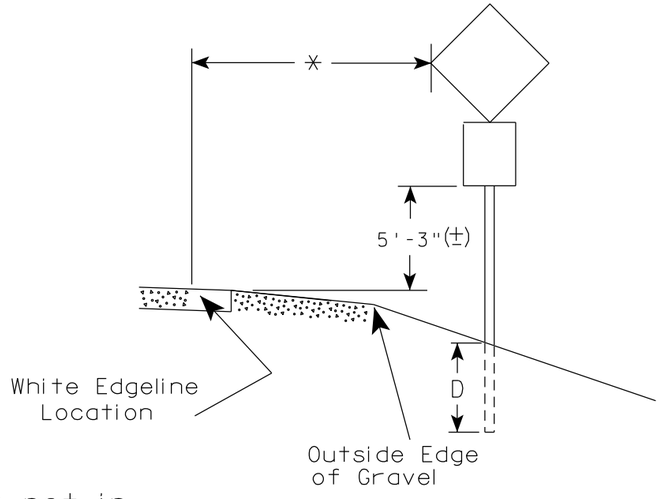
URBAN AREA



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.

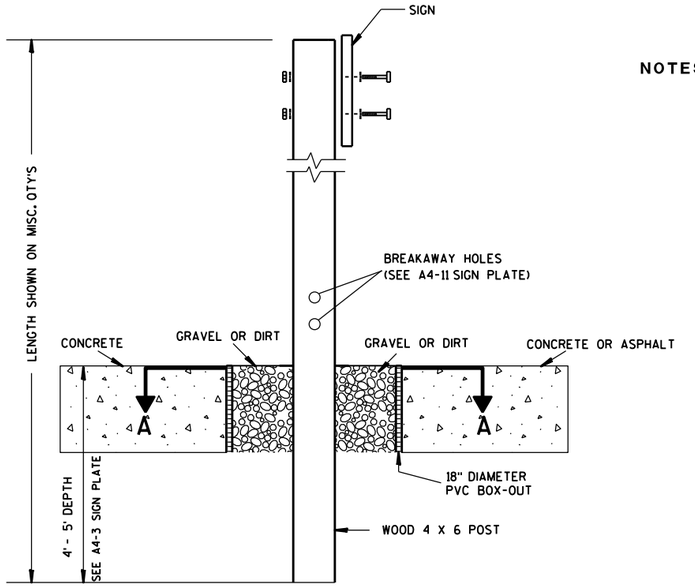
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

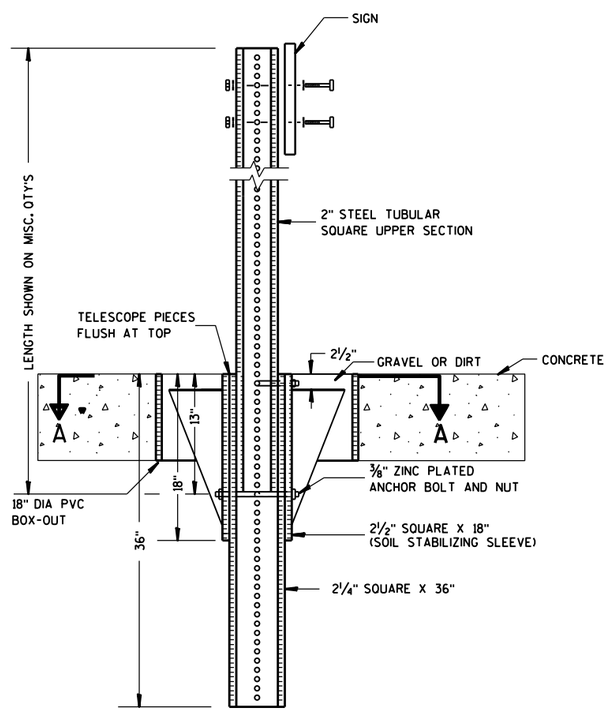
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 170	E



ELEVATION VIEW

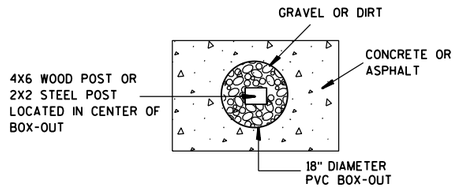
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

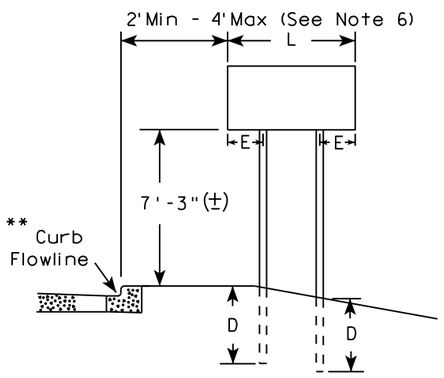
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

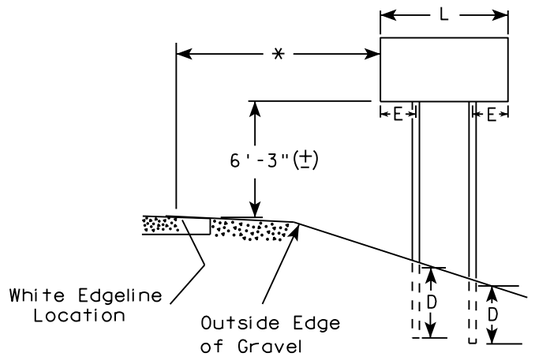
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

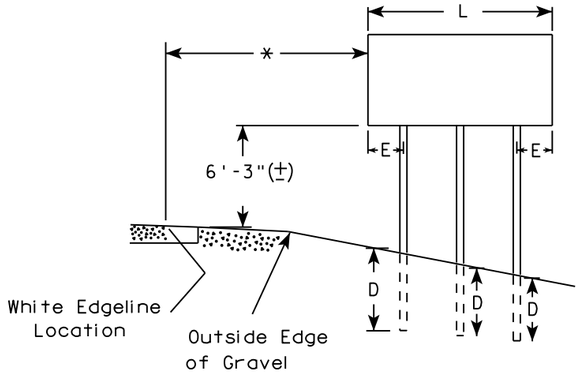
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

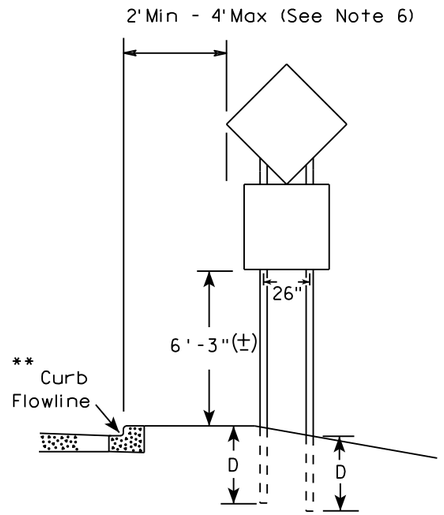
URBAN AREA



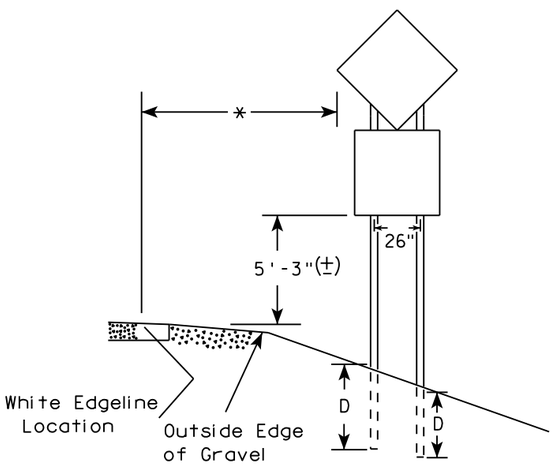
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

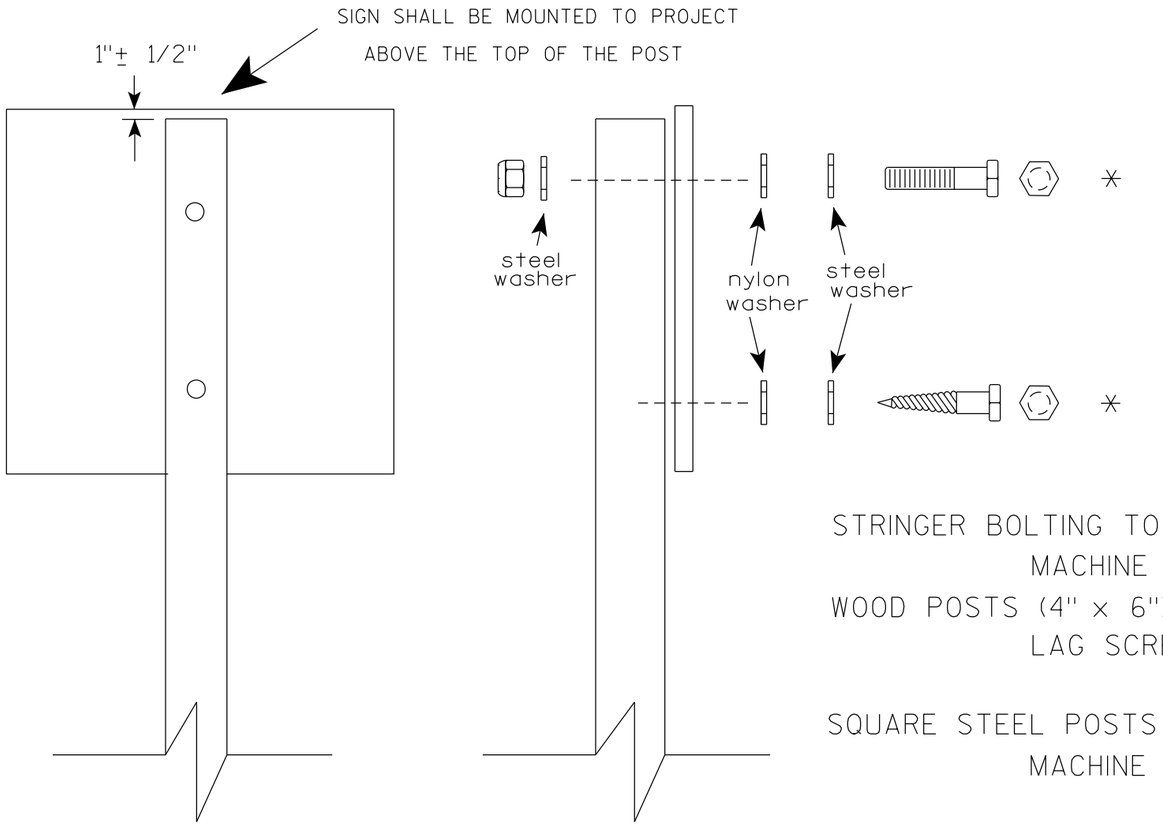
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 172	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

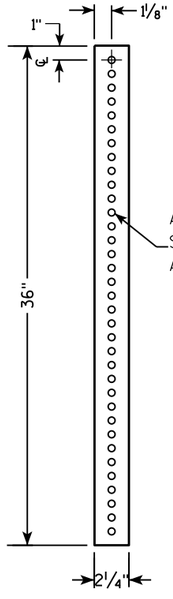
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

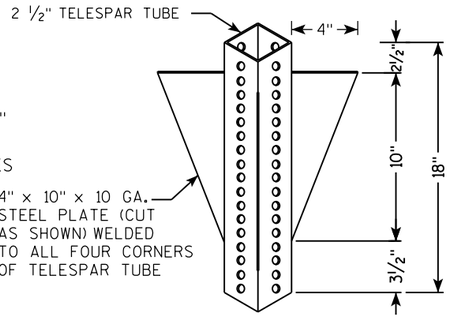
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

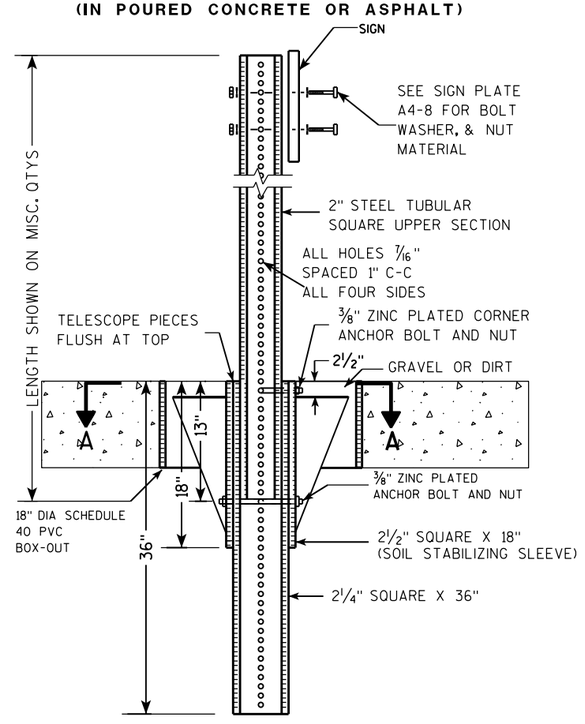
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



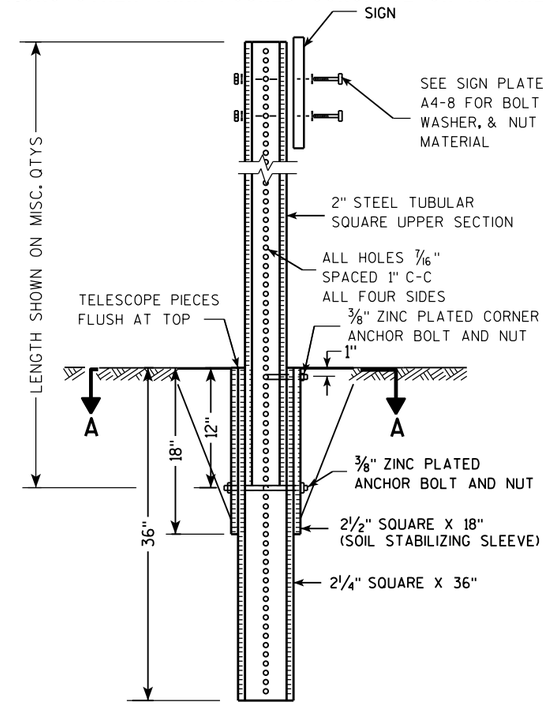
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

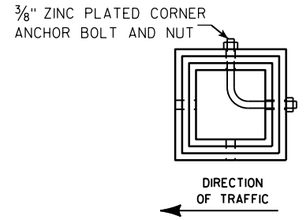


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

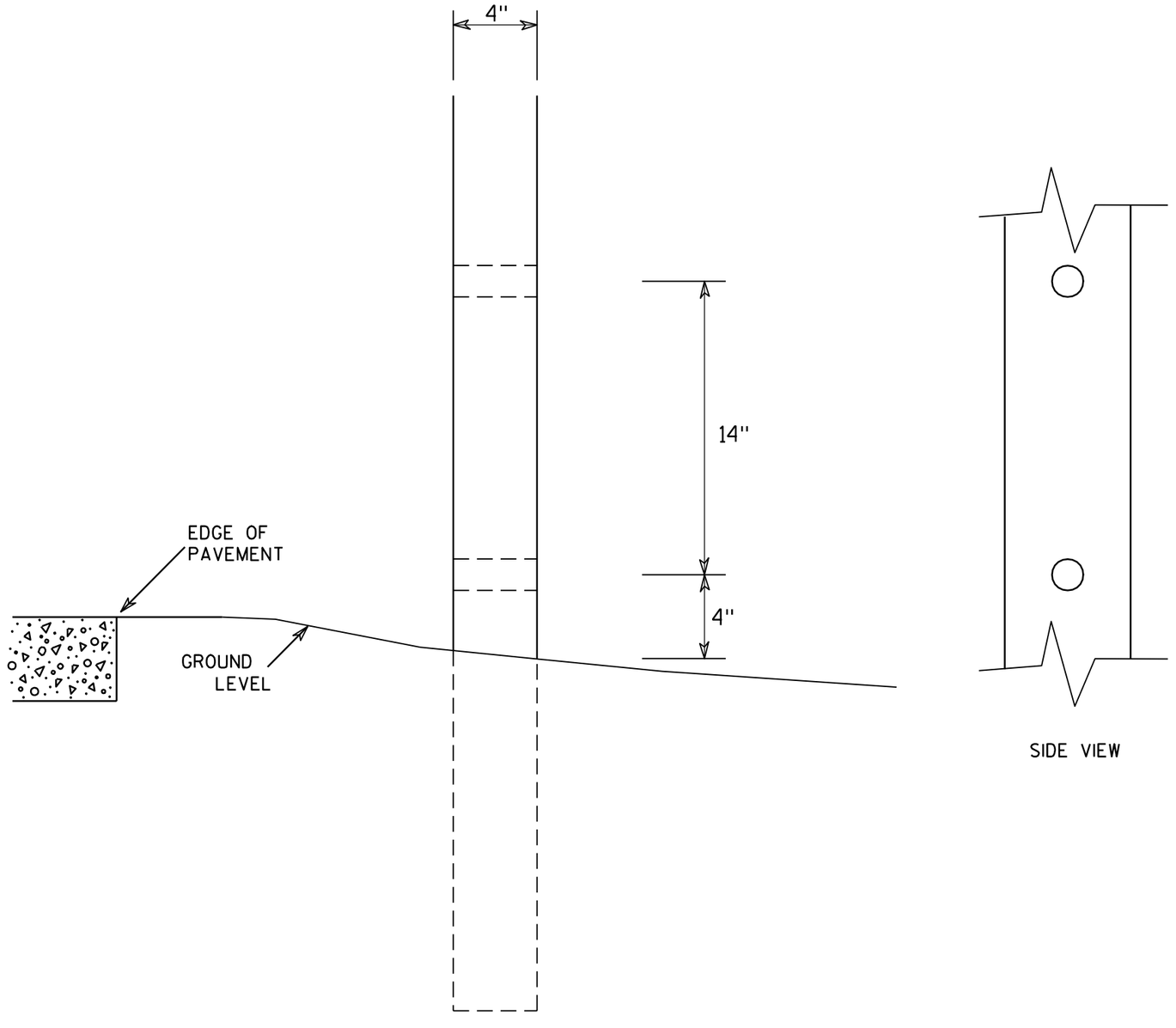
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 174 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

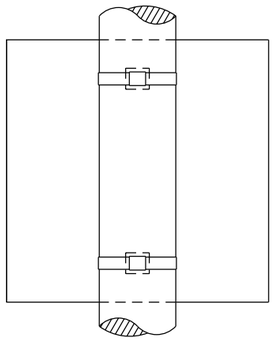
APPROVED Chester J Spang for State Traffic Engineer

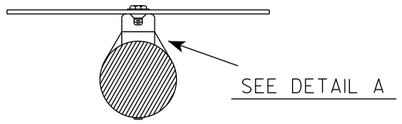
DATE 3/27/97 PLATE NO. A4-11.2

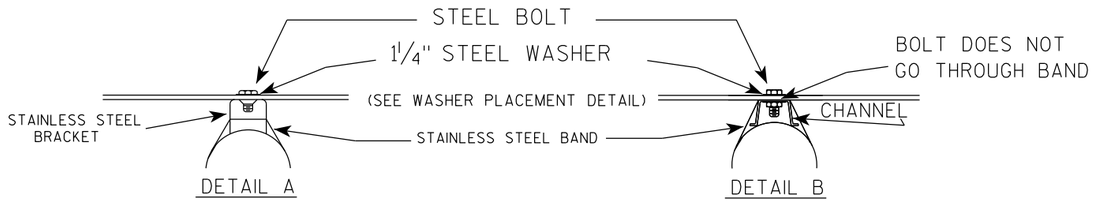
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 175	E

BANDING

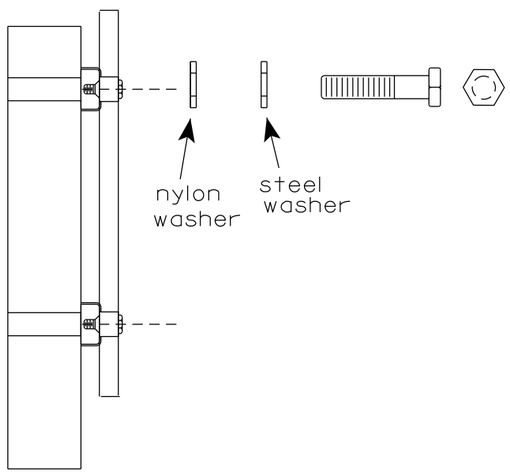
SINGLE SIGN







WASHER PLACEMENT

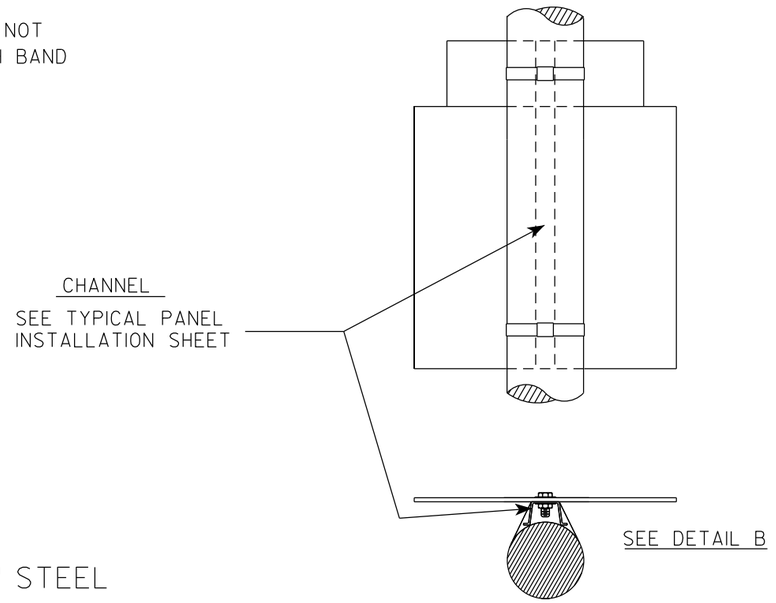


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

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

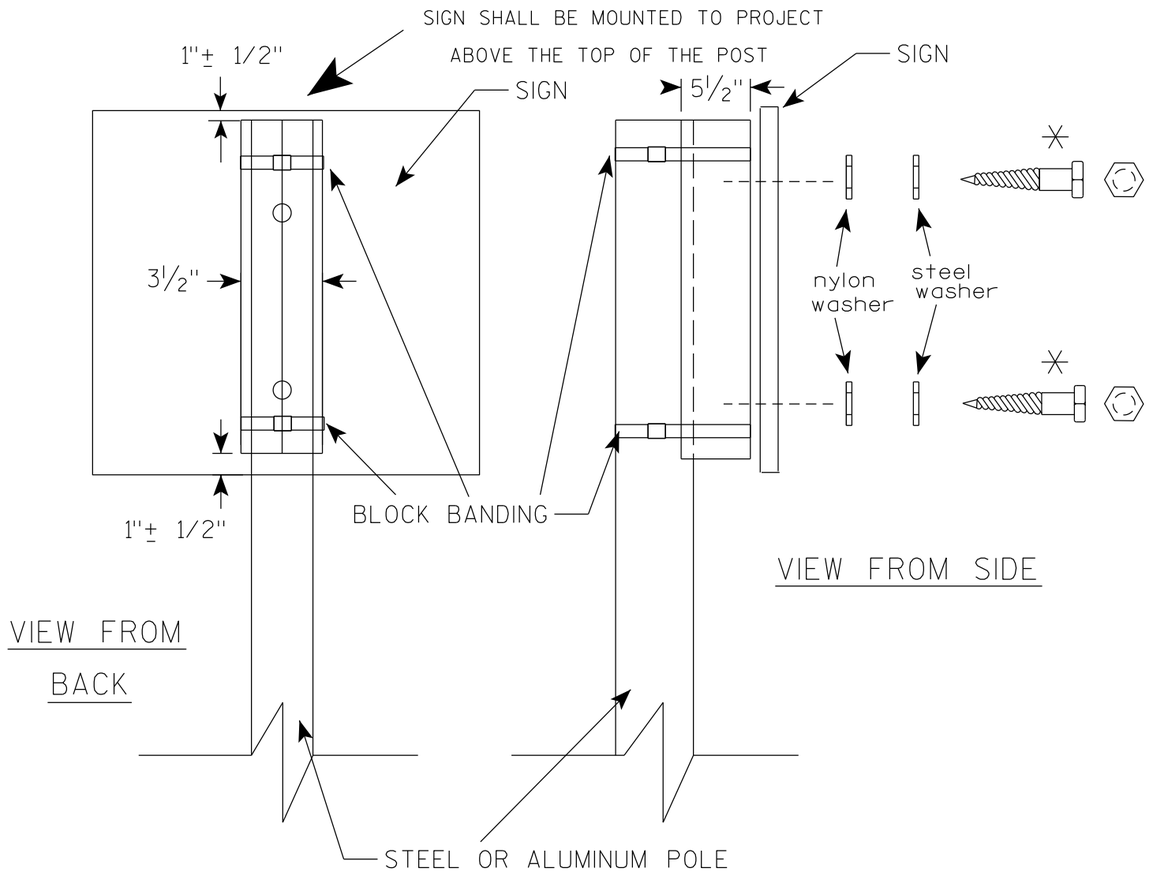
DATE 6/10/19 PLATE NO. A5-9.4

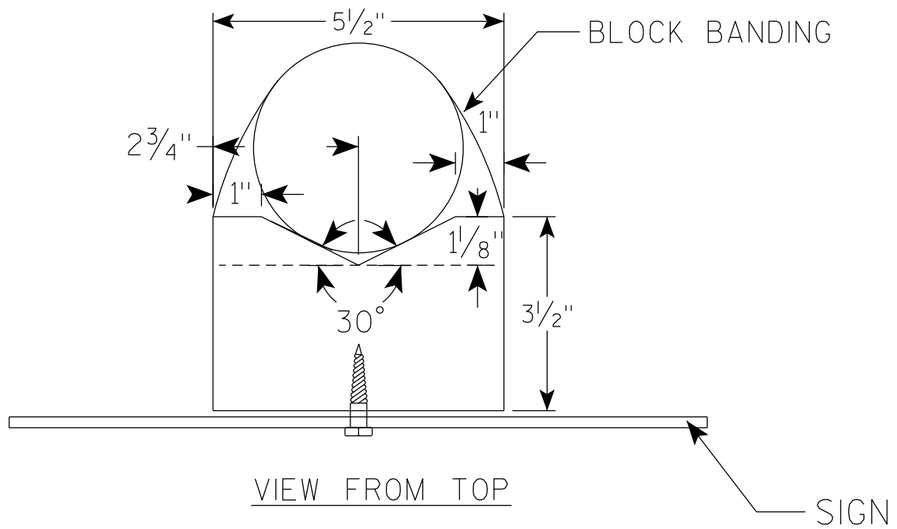
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 176	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

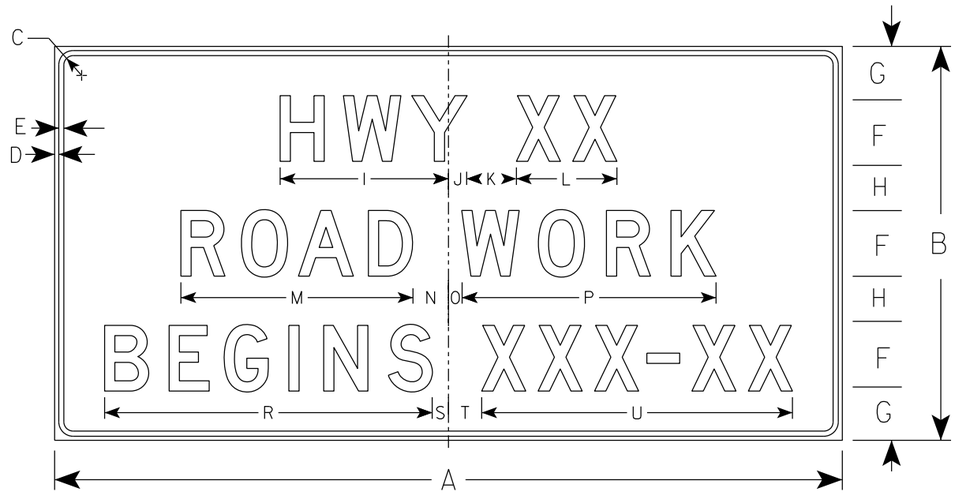
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-10.2

PROJECT NO: | SHEET NO: 177 | E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Substitute appropriate numeral and adjust spacing to achieve proper balance.



G20-57

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																											
3	72	36	1 1/8	1/2	5/8	6	5	4	15 5/8	1 5/8	5	9 1/4	21 1/4	3 1/2	1 1/2	23 1/4		29 7/8	1 3/4	3 1/4	28 1/2						18.0
4	96	48	2 1/4	3/4	1	8	6 1/2	5 1/2	20 5/8	2 1/4	6	12 1/4	28 1/4	4 3/8	1 5/8	31		39 1/4	2	4	37 7/8						32.0
5																											

STANDARD SIGN
G20-57

WISCONSIN DEPT OF TRANSPORTATION

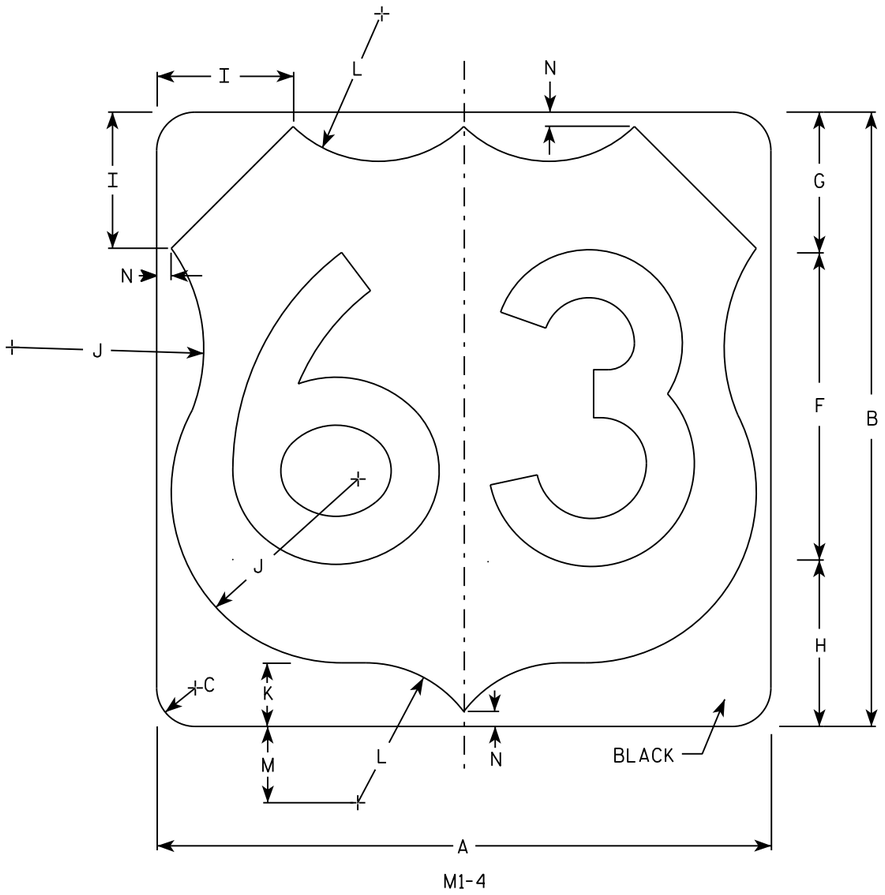
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/22/19 PLATE NO. G20-57.3

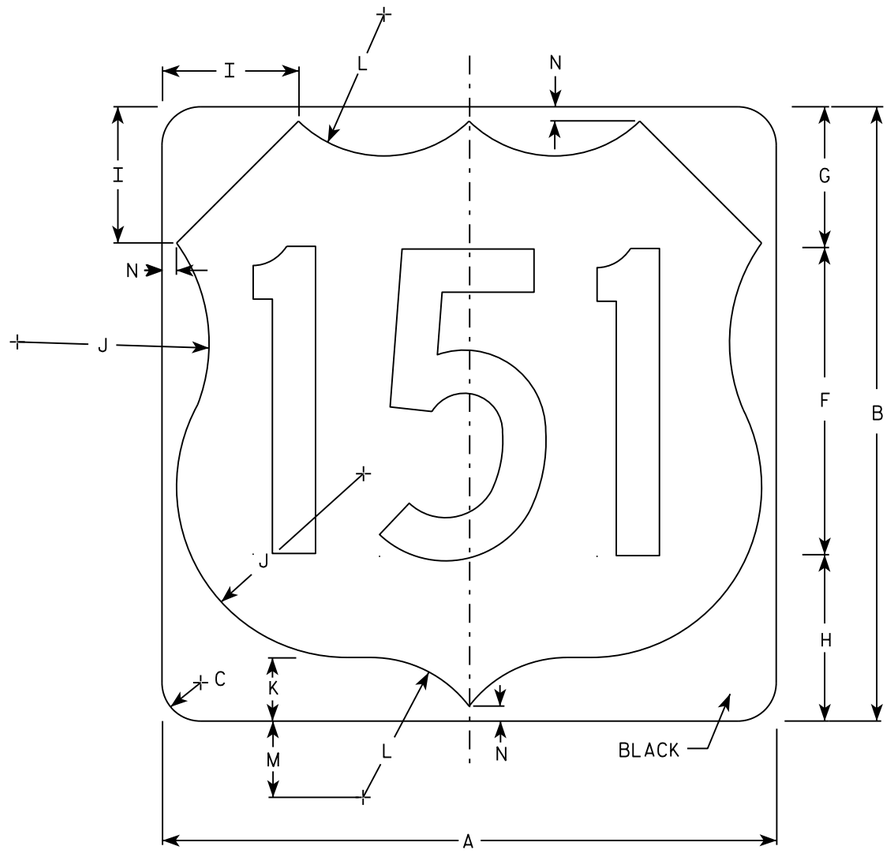
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 178	E

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.



M1-4



M1-4

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	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0

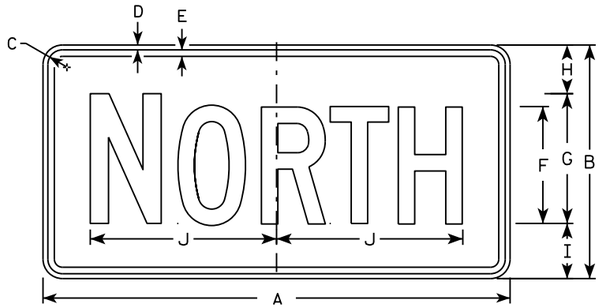
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

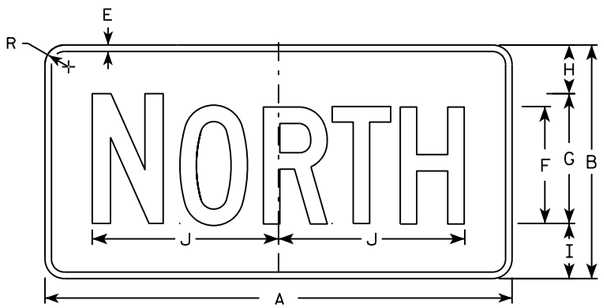
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-4.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 179	E



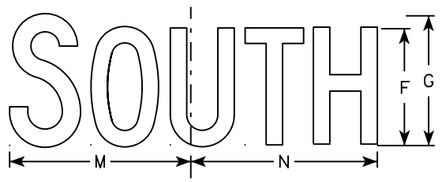
M3-1
MM3-1
MP3-1



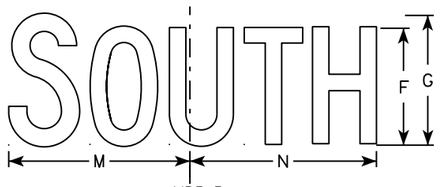
MB3-1
MK3-1
MN3-1

M3-2
MM3-2
MP3-2

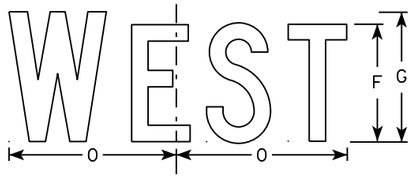
MB3-2
MK3-2
MN3-2



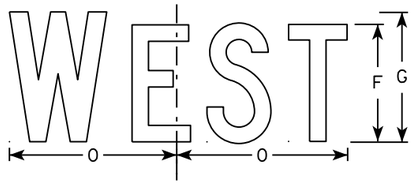
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

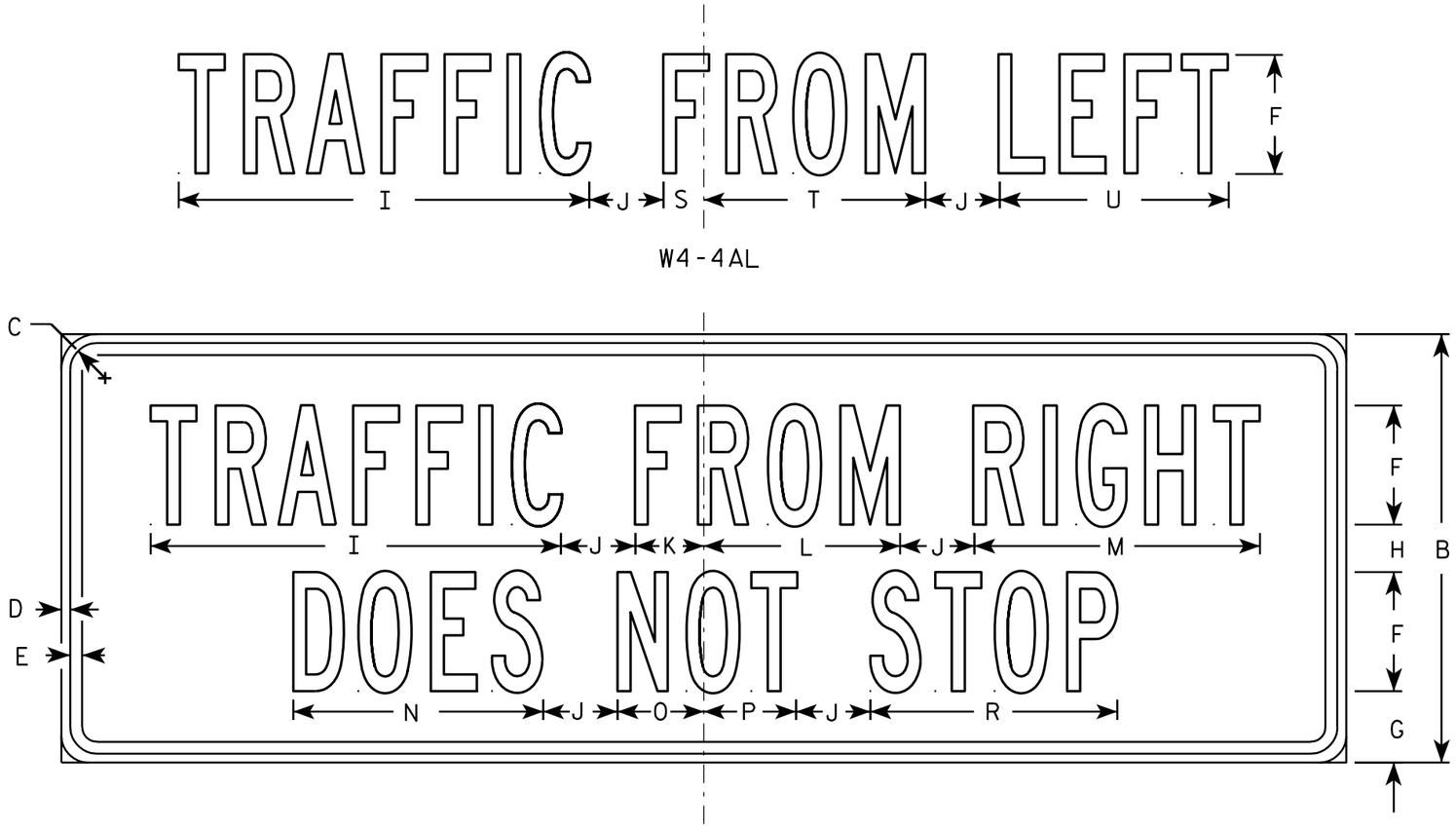
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



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 - 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																											
2S	30	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	10 3/8	1 1/2	1 3/4	4 7/8	7 1/4	6 1/4	2 1/4	2 1/4		6 1/4	1	5 5/8	5 3/4						2.5
2M	30	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	10 3/8	1 1/2	1 3/4	4 7/8	7 1/4	6 1/4	2 1/4	2 1/4		6 1/4	1	5 5/8	5 3/4						2.5
3	42	15	1 1/8	3/8	1/2	4	2 5/8	1 3/4	13 7/8	2 3/8	2 1/8	6 3/4	9 3/4	8 3/8	2 3/4	3 3/8		8 3/8	1 1/8	7 3/4	7 3/4						4.4
4	54	18	1 1/8	3/8	1/2	5	3	2	17 1/4	3 1/8	2 7/8	8 1/4	12	10 1/2	3 5/8	3 7/8		10 3/8	1 3/4	9 3/8	9 5/8						6.8
5																											

STANDARD SIGN
W4-4AL & W4-4AR

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W4-4A.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 181 | E

7

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W44A.DGN PLOT DATE : 12-MAR-2013 11:35 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.202372:1.000000
WISDOT/CADDS SHEET 42

W4-4B

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 - 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																											
2S	30	12	1 1/8	3/8	1/2	3	2 1/4	1 1/2	12 3/8	5/8	1 1/2	10 3/8	6 1/4	2 1/4	2 1/4	6 1/4											2.5
2M	30	12	1 1/8	3/8	1/2	3	2 1/4	1 1/2	12 3/8	5/8	1 1/2	10 3/8	6 1/4	2 1/4	2 1/4	6 1/4											2.5
3	42	15	1 1/8	3/8	1/2	4	2 5/8	1 3/4	16 7/8	5/8	2 3/8	13 7/8	8 3/8	3	3 1/8	8 3/8											4.17
4	48	18	1 1/8	3/8	1/2	5	3	2	21	5/8	3 1/8	17 1/4	10 1/2	3 5/8	3 7/8	10 3/8											6.0
5																											

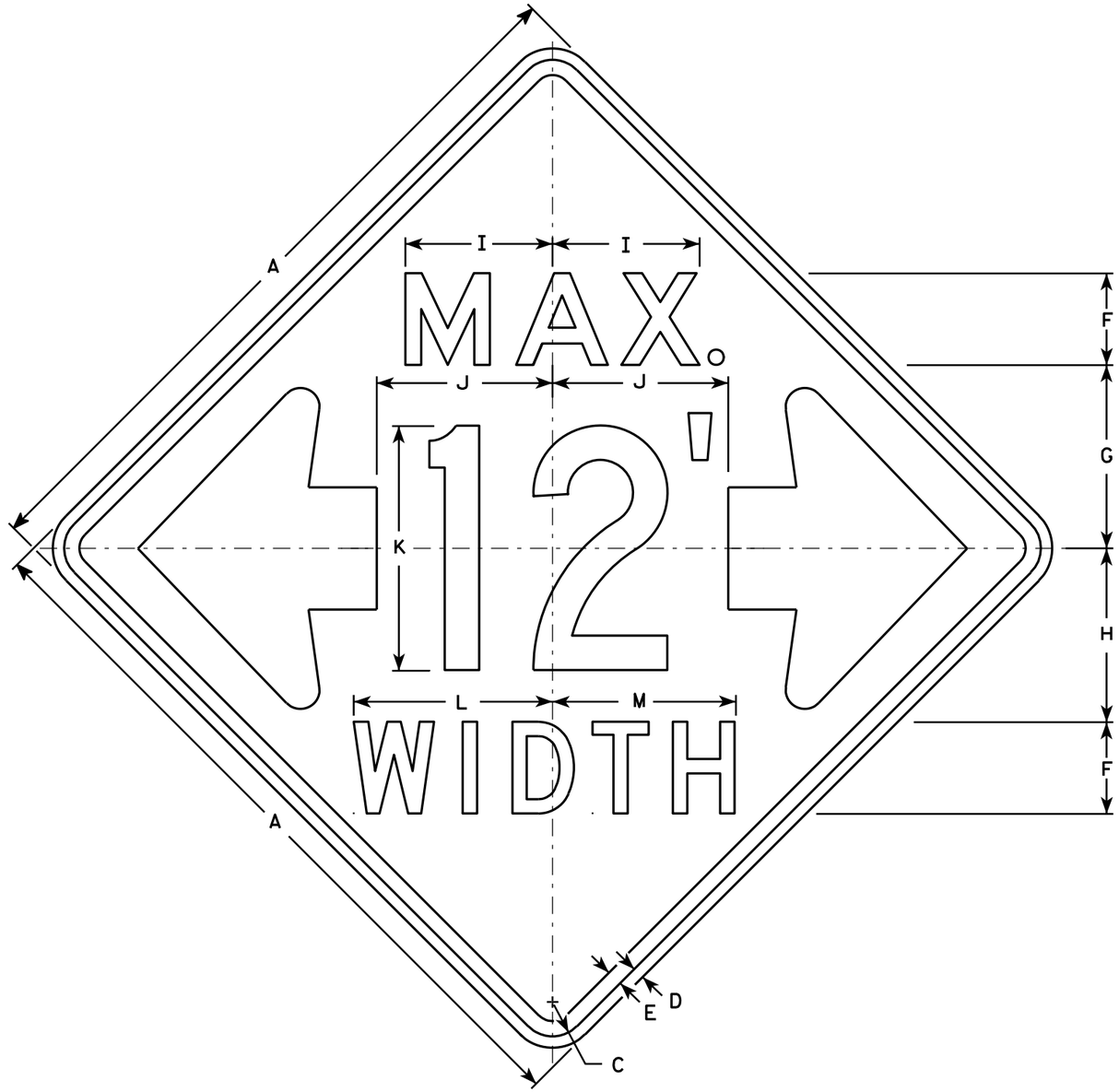
STANDARD SIGN
W4-4B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W4-4B.2

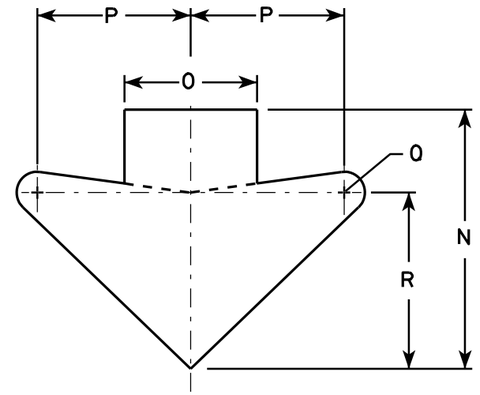
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 182	E



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

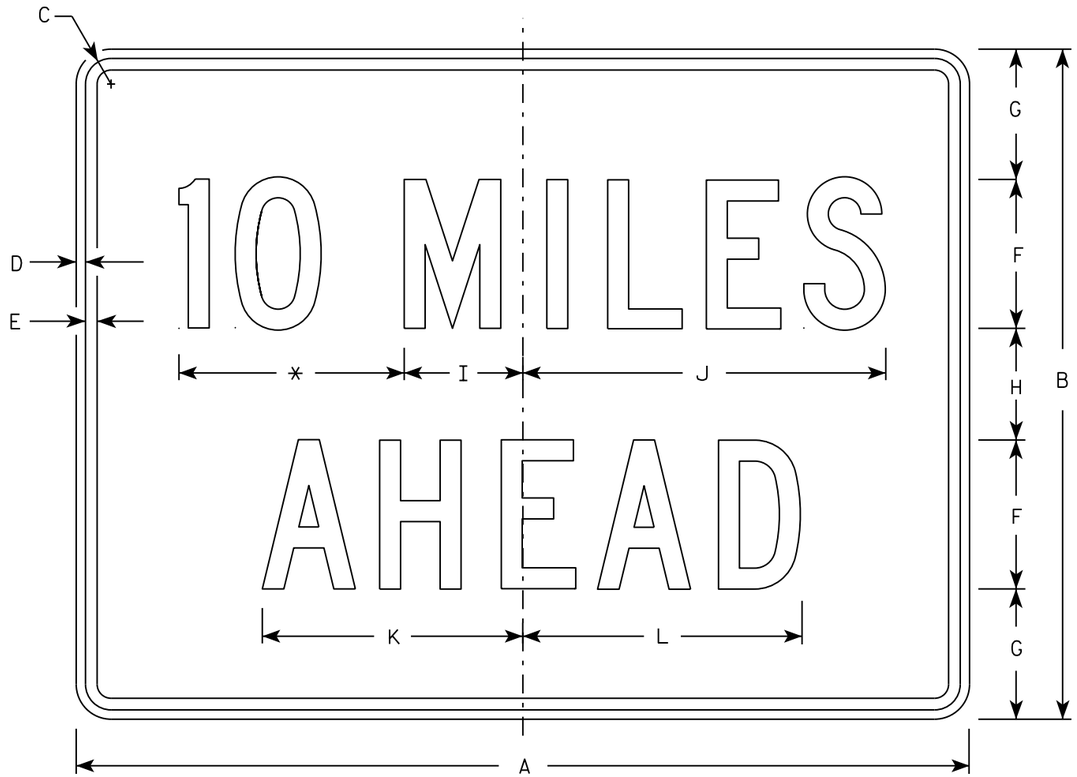
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/11 PLATE NO. W12-52.7

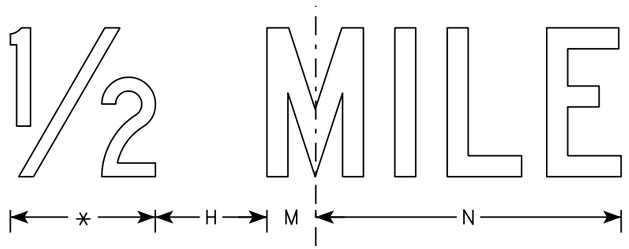
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 183	E

7

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



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: 184	E

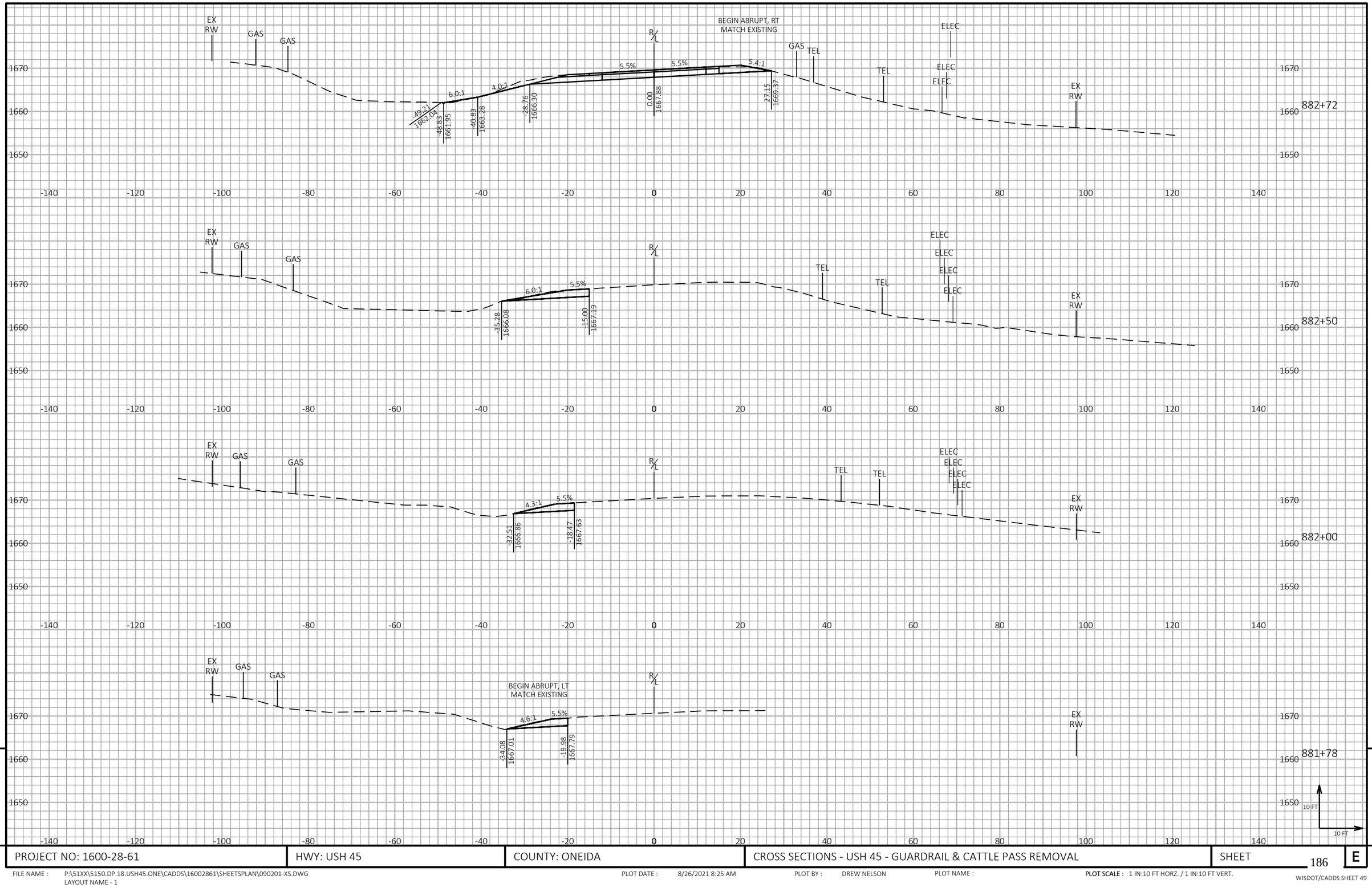
USH 45 - CATTLE PASS REMOVAL - STA 881+78 TO STA 885+80 - DIVISION 1

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOLUME (CY) (UNADJUSTED)		CUMULATIVE VOLUME (CY)		MASS ORDINATE NOTE 4
		CUT NOTE 1	FILL NOTE 2	CUT NOTE 1	FILL NOTE 2	CUT NOTE 1 1.00	EXPANDED FILL NOTE 3 1.25	
881+78	0	17	0	0	0	0	0	0
882+00	22	17	0	14	0	14	0	14
882+50	50	22	0	36	0	50	0	50
882+72	22	92	2	46	1	96	1	95
883+00	28	82	33	90	18	186	24	162
883+31	31	79	267	92	172	278	239	39
883+50	19	85	22	58	102	336	366	-30
883+60	10	85	13	31	6	367	374	-7
883+88	28	82	13	87	13	454	390	64
884+00	12	20	2	23	3	477	394	83
884+50	50	27	0	44	2	521	396	125
885+00	50	17	0	41	0	562	396	166
885+50	50	17	6	31	6	593	404	189
885+80	30	18	5	19	6	612	411	201
			TOTALS	612	329			

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); PLUS INDICATES AN EXCESS OF MATERIAL

9

9



9

9

PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	CROSS SECTIONS - USH 45 - GUARDRAIL & CATTLE PASS REMOVAL	SHEET 186	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 1

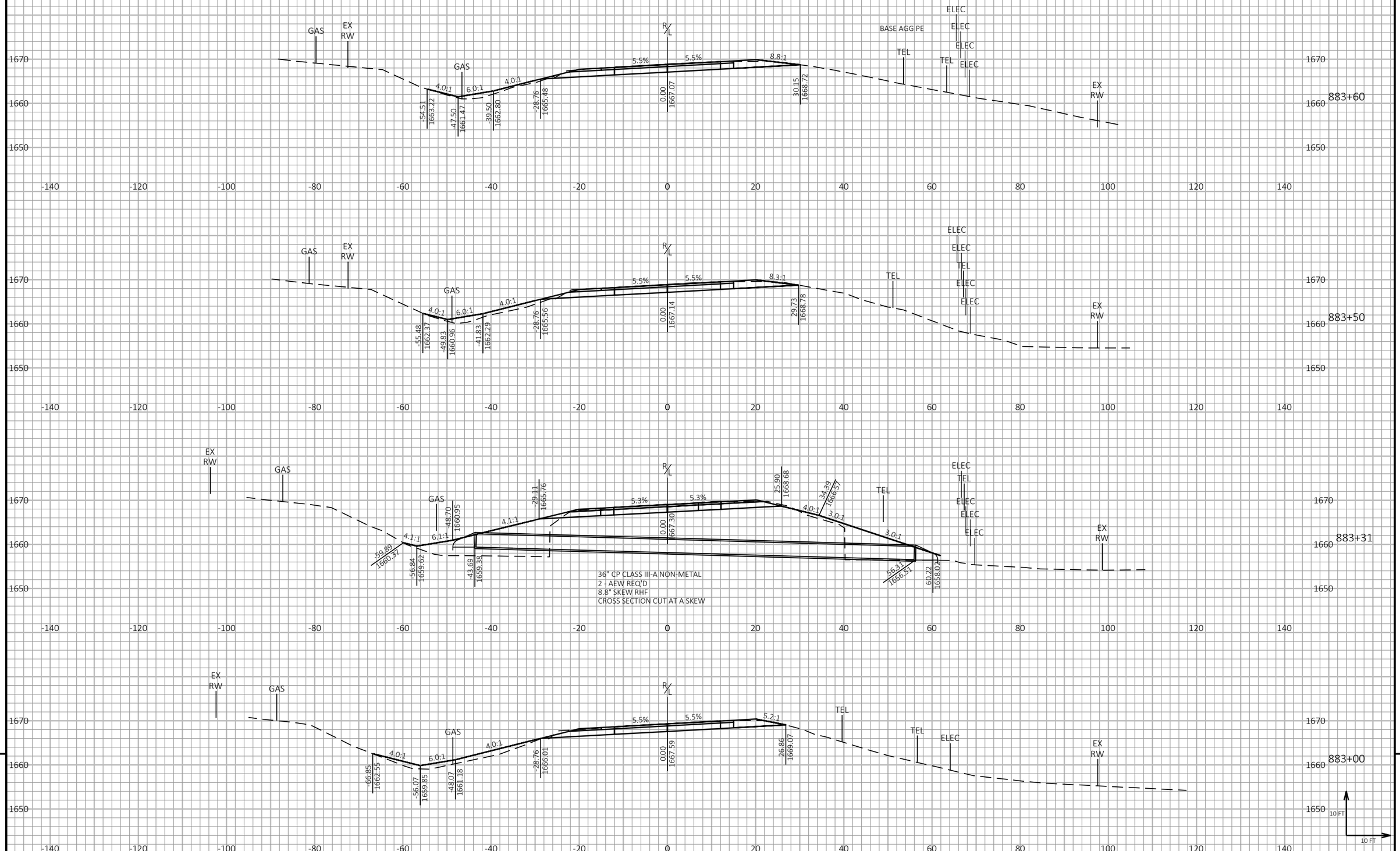
PLOT DATE : 8/26/2021 8:25 AM

PLOT BY : DREW NELSON

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: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	CROSS SECTIONS - USH 45 - GUARDRAIL & CATTLE PASS REMOVAL	SHEET 187	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 2

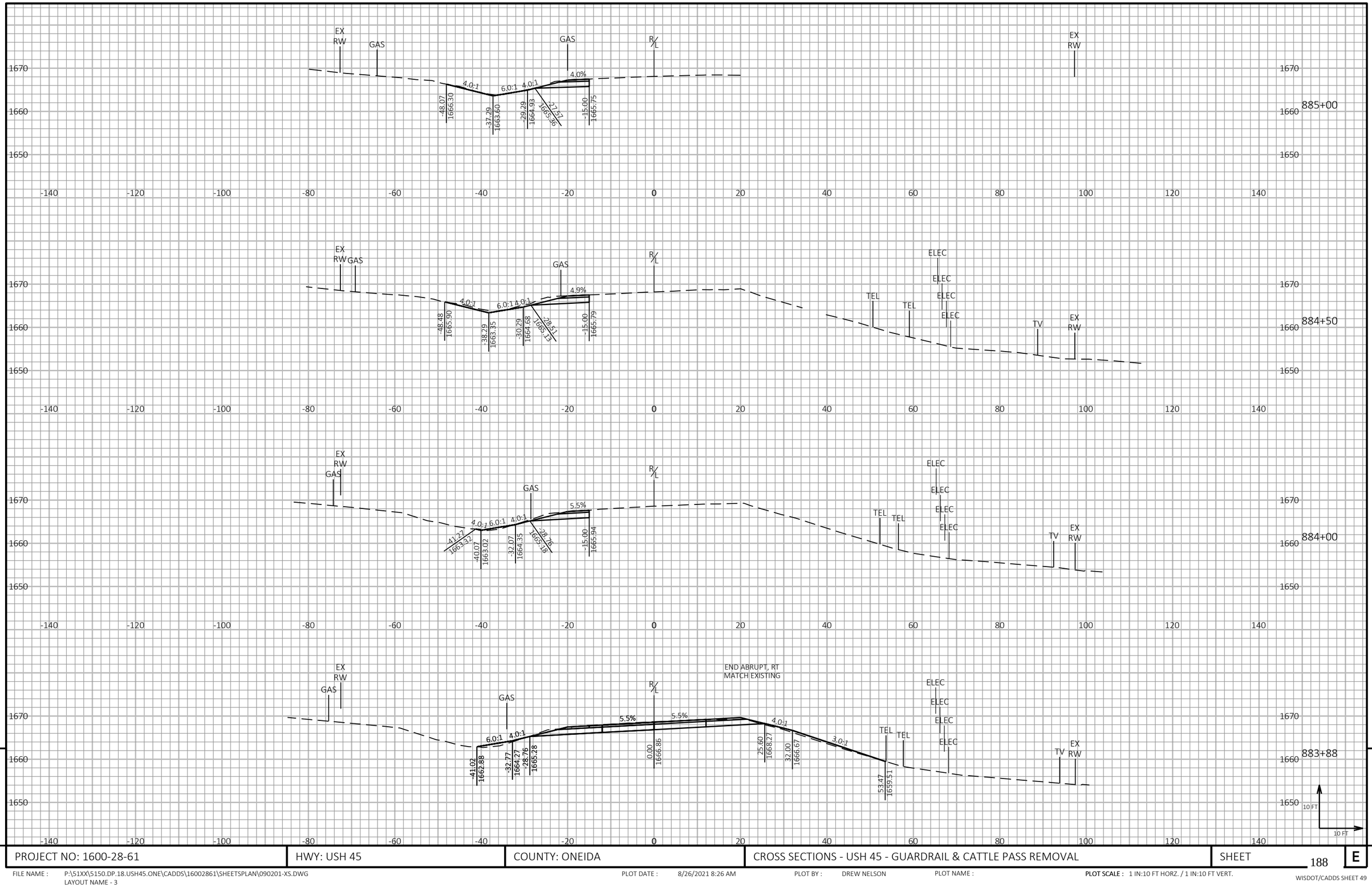
PLOT DATE : 8/26/2021 8:25 AM

PLOT BY : DREW NELSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	CROSS SECTIONS - USH 45 - GUARDRAIL & CATTLE PASS REMOVAL	SHEET 188	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 3

PLOT DATE : 8/26/2021 8:26 AM

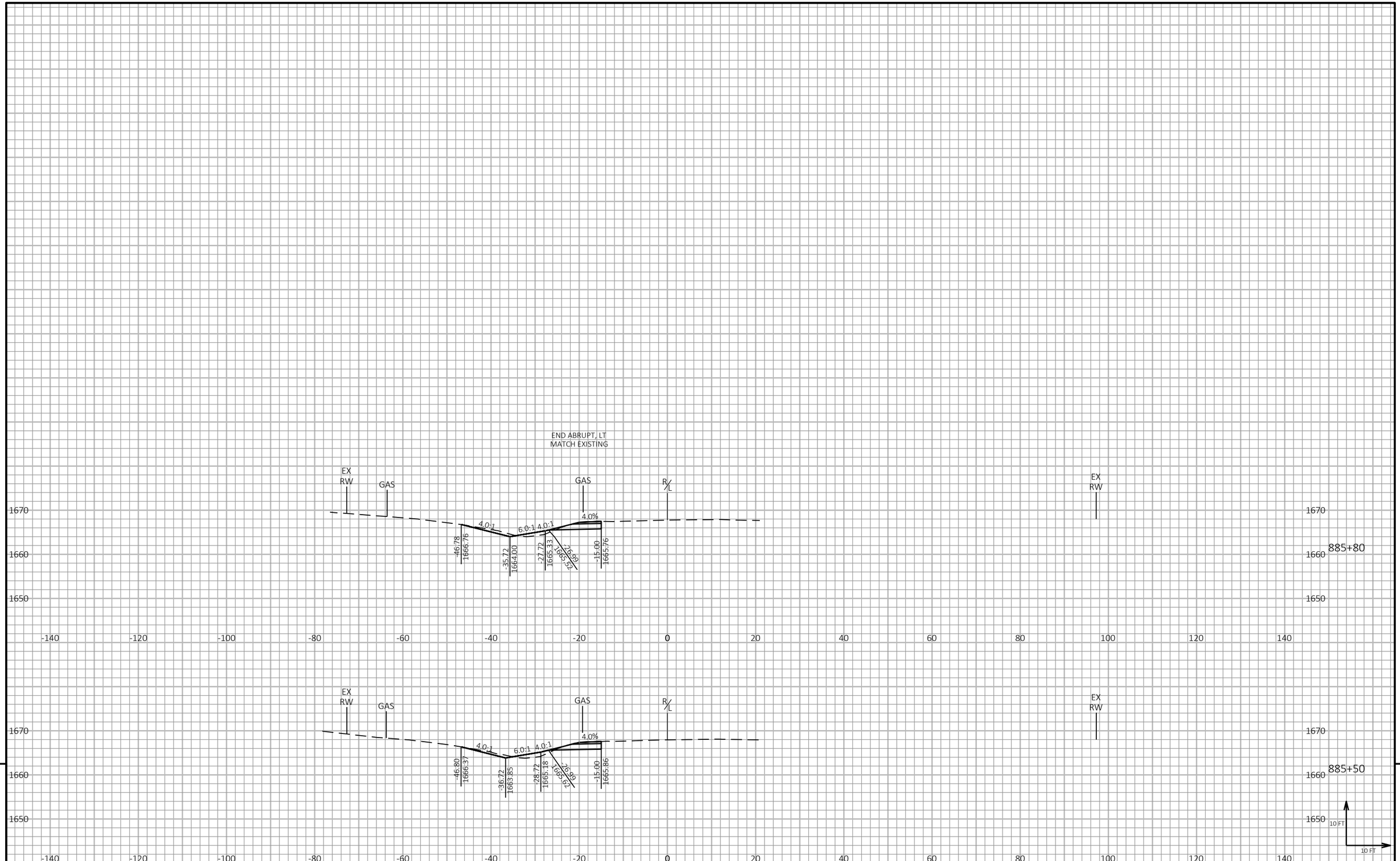
PLOT BY : DREW NELSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END ABRUPT, LT
MATCH EXISTING



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PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	CROSS SECTIONS - USH 45 - GUARDRAIL & CATTLE PASS REMOVAL	SHEET 189	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 4

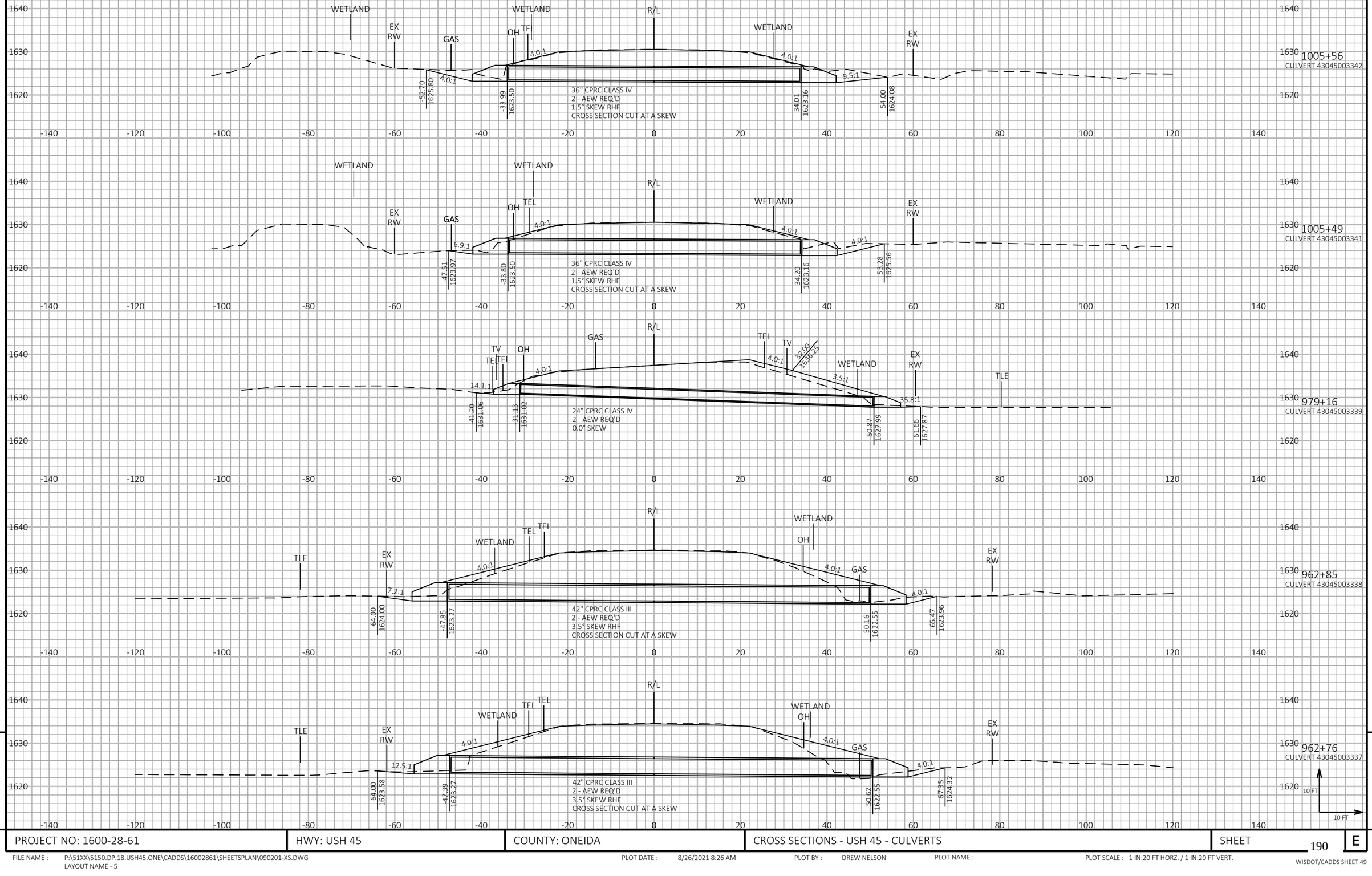
PLOT DATE : 8/26/2021 8:26 AM

PLOT BY : DREW NELSON

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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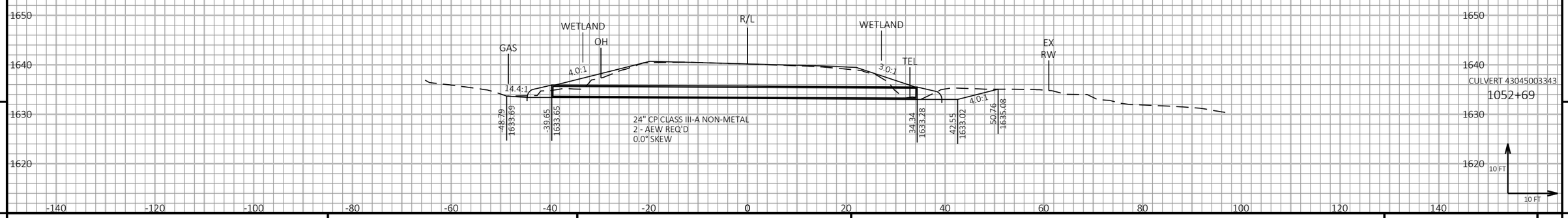
PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	CROSS SECTIONS - USH 45 - CULVERTS	SHEET 190	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 5

PLOT DATE : 8/26/2021 8:26 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1600-28-61	HWY: USH 45	COUNTY: ONEIDA	CROSS SECTIONS - USH 45 - CULVERTS	SHEET 191	E

FILE NAME : P:\51XX\5150.DP.18.USH45.ONE\CADDS\16002861\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 6

PLOT DATE : 8/26/2021 8:26 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

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through innovation and exceptional service.

http://www.dot.wisconsin.gov