MAD

JUNE 2020

PROJECT ID: 5155-02-62

WITH: 5155-02-62

COUNTY: ROCK

ORDER OF SHEETS

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

TOTAL SHEETS = 15

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

EVANSVILLE - JANESVILLE

CTH M TO USH 51 B-53-0906

USH 14

ROCK COUNTY

STATE PROJECT NUMBER
5155-02-62

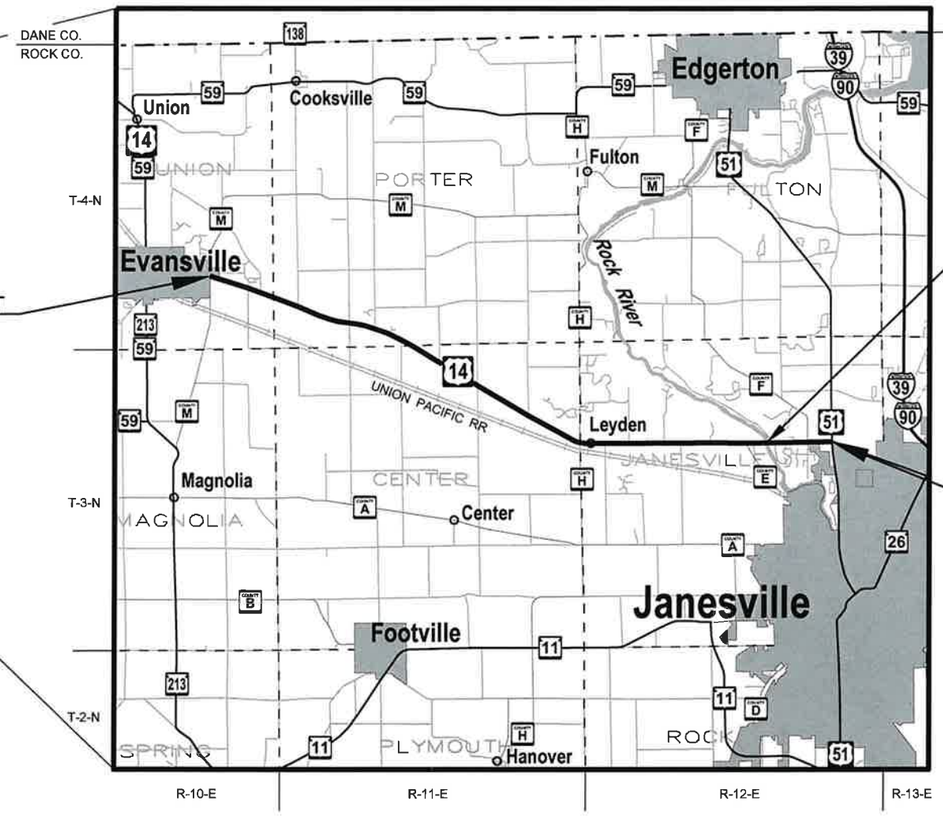
STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5155-02-62	WISC 2020240	1



N

DESIGN DESIGNATION

A.A.D.T.	2020	=	12,600
A.A.D.T.	2040	=	14,300
D.H.V. (K30)(2040)		=	1,645
D.D.		=	59/41
T.		=	10.3%
DESIGN SPEED		=	55MPH/45 MPH
ESALS		=	3,400,000



LAYOUT SCALE 0 2 MI.

TOTAL NET LENGTH OF CENTERLINE = 13.025 MI.

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ROCK COUNTY, NAD83 (2011) IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988 (2012).

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE		CULVERT (Profile View)	
SLOPE INTERCEPT		UTILITIES	
REFERENCE LINE	300'EB'	ELECTRIC	E
EXISTING CULVERT		FIBER OPTIC	FO
PROPOSED CULVERT (Box or Pipe)		GAS	G
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER	SAN
		STORM SEWER	SS
		TELEPHONE	T
MARSH AREA		WATER	W
		UTILITY PEDESTAL	
		POWER POLE	
WOODED OR SHRUB AREA		TELEPHONE POLE	

ORIGINAL PLANS PREPARED BY:

AYRES ASSOCIATES

WISCONSIN
WILLIAM C. ROTH
E-28838
BLACK EARTH
WI
PROFESSIONAL ENGINEER

2-21-20

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	AYRES ASSOCIATES
Designer	AYRES ASSOCIATES
Project Manager	ALEX HAGEN
Regional Examiner	SW REGION
Regional Supervisor	KARLA KNORR

APPROVED FOR THE DEPARTMENT

DATE: 2/24/2020 (Signature)

E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\010101_TI.DWG

PLOT DATE : 2/21/2020 11:35 AM

PLOT BY : MUENCH, DOUGLAS

PLOT NAME :

GENERAL NOTES

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

THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

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

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE TOPSOILED, FERTILIZED, SEEDED, MULCHED, OR TEMPORARY SEEDED AS SHOWN IN THE PLANS AND AS DIRECTED BY THE ENGINEER.

MANHOLES, VALVES, BUTT JOINTS, TRANSVERSE JOINTS, OR OTHER ABOVE GROUND OBSTRUCTION EXTENDING 1-INCH OR MORE ABOVE THE MILLED SURFACE SHALL HAVE A TEMPORARY ASPHALT APRON CONSTRUCTED. THE APRON IS TO BE REMOVED PRIOR TO CONSTRUCTION OF THE NEXT LIFT OF ASPHALT.

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

APPLY TACK COAT TO A MILLED SURFACE AT A RATE OF 0.07 GAL/SY.

APPLY TACK COAT BETWEEN LAYERS OF HMA PAVEMENT AT A RATE OF 0.05 GAL/SY.

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

ABBREVIATIONS

A.D.T.	AVERAGE DAILY TRAFFIC
ATMS	ARTERIAL TRAFFIC MANAGEMENT SYSTEM
BM	BENCHMARK
BOC	BACK OF CURB
BTWN	BETWEEN
C&G	CURB AND GUTTER
C.E.	COMMERCIAL ENTRANCE
CONST	CONSTRUCTION
CP	CONTROL POINT
CTR.	CENTER
D.D.	DIRECTIONAL DISTRIBUTION
D.H.V.	DESIGN HOURLY VOLUME
DMS	DYNAMIC MESSAGE SIGN
EB	EASTBOUND
EXIST	EXISTING
GALV.	GALVANIZED
HMA	HOT MIX ASPHALT
H.S.	HIGH STRENGTH
ITS	INTELLIGENT TRAFFIC SYSTEM
MAX	MAXIMUM
MIN	MINIMUM
NB	NORTHBOUND
NOR	NORMAL
PC	POINT OF CURVATURE
PCC	POINT OF COMMON CURVATURE
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PVT	PAVEMENT
R/L	REFERENCE LINE
REQ'D	REQUIRED
SB	SOUTHBOUND
SYM	SYMMETRICAL
T.	PERCENT TRUCKS
TCC	TRAFFIC CONDITION CAMERA
TYP	TYPICAL
VAR	VARIABLE
WB	WESTBOUND
Wt.	WEIGHT
X-WALK	CROSS WALK

ORDER OF SECTION 2 SHEETS

GENERAL NOTES & CONTACTS
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
INTERSECTION DETAILS
PLAN DETAILS
EROSION CONTROL
STORM SEWER
PERMANENT SIGNING & PAVEMENT MARKING
TRAFFIC SIGNALS
TRAFFIC CONTROL & DETOUR PLAN
ALIGNMENT DIAGRAM

PROJECT CONTACTS

WISDOT SOUTHWEST REGION
MR. ALEX HAGEN
WISDOT PROJECT MANAGER
2101 WRIGHT STREET
MADISON, WI 53704-2583
PHONE: (608) 245-3830
EMAIL: alex.hagen@dot.wi.gov

AYRES ASSOCIATES
MR. WILLIAM ROTH
5201 E. TERRACE DRIVE, SUITE 200
MADISON, WI 53718
PHONE: (608) 443-1285
EMAIL: rothw@ayresassociates.com

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
SHELLY WARWICK
DNR SOUTH CENTRAL REGIONAL HEADQUARTERS
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
PHONE: (608) 444-2835
EMAIL: shelly.warwick@wisconsin.gov

ROCK COUNTY SURVEYOR
BRAD HEUER
PHONE: (608) 757-5658
EMAIL: brad.heuer@co.rock.wi.us

UTILITY CONTACTS

ALLIANT ENERGY - ELECTRICITY/GAS/PETROLEUM
TODD WOLFE
3730 KENNEDY RD
JANESVILLE, WI 53545
PHONE: (608) 757-7518
EMAIL: toddwolfe@alliantenergy.com

AT&T WISCONSIN - COMMUNICATION
CAROL ANASON
316 W WASHINGTON AVE
MADISON, WI 53701
PHONE: (608) 252-2385
EMAIL: ca2624@att.com

AMERICAN TRANSMISSION COMPANY - ELECTRIC TRANSMISSION
TONY MARCINIAK
W234 N2000 RIDGEVIEW PARKWAY COURT
PO BOX 47
WAUKESHA, WI 53187-0047
PHONE: (262) 506-6814
EMAIL: tmarciniak@atcllc.com

CHARTER COMMUNICATIONS - COMMUNICATION
DAVID MOLDENHAUER
1348 PLAINFIELD AVE
JANESVILLE, WI 53545
PHONE: (608) 206-0494
EMAIL: david.moldehauer@charter.com

CITY OF EVANSVILLE - SEWER
CHAD RENLY
P.O. BOX 76
EVANSVILLE, WI 53536-0076
PHONE: (608) 490-1313
EMAIL: chad.renly@ci.evansville.wi.gov

CITY OF JANESVILLE - WATER/SEWER
CRAIG THIESENHUSEN
123 E DELAVAN DR
JANESVILLE, WI 53546
PHONE: (608) 373-3471
EMAIL: thiesenhusenc@ci.janesville.wi.us

EVANSVILLE WATER & LIGHT - WATER/ELECTRIC
CHAD RENLY
PO BOX 529
EVANSVILLE, WI 53536
PHONE; (608) 882-2270
EMAIL: chad.renly@ci.evansville.wi.gov

UTILITY CONTACTS (CONT.)

NORTHERN NATURAL GAS COMPANY - GAS/PETROLEUM
SERGIO GONZALEZ
8101 BIRCHWOOD CT, STE F
JOHNSTON, IA 50131
PHONE: (402) 530-2026
EMAIL: sergio.gonzalez@nngco.com

ROCK ENERGY COOPERATIVE - ELECTRIC
TONY HAFFELDER
2815 KENNEDY RD
P.O. BOX 1758
JANESVILLE, WI 53547
PHONE: (920) 752-4550
EMAIL: tonyh@rock.coop

WE ENERGIES - GAS/PETROLEUM
ADAM MARING
N3025 14th AVE
MONROE, WI 53566
PHONE: (608) 328-5679
EMAIL: adam.maring@we-energies.com

WEST SHORE PIPE LINE COMPANY - GAS/PETROLEUM
MIKE NORRIS (DESIGN)
12920 BELL RD
LEMONT, IL 60439
PHONE: (219) 313-5321
EMAIL: mrnorris@buckeye.com
&
KEVIN CARR (CONSTRUCTION)
PHONE: (815) 621-9413
EMAIL: kcarr@buckeye.com

WINDSTREAM KDL, LLC & PAETEC COMMUNICATIONS, LLC - COMMUNICATION
ERIC BECKER
314 N DANZ AVE
GREEN BAY, WI 54302-3526
PHONE: (920) 461-9825
EMAIL: eric.becker@windstream.com

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

2

N

SPEED LIMIT 25

SPEED LIMIT 45

SPEED LIMIT 55

COUNTY M

MODIFY EXISTING TRAFFIC SIGNAL

14

E. MAIN ST

JOHN LINDEMANN DR

CITY OF EVANSVILLE

REPLACE CURB RAMPS

STA 244+50 LT
CAMPBELL FARMSTEAD
ELIGIBLE FOR THE NATIONAL
REGISTER OF HISTORIC PLACES

BEGIN PROJECT
STA 209+80.00
(MILL & OVERLAY)

N WEARY RD

N TERRITORIAL RD

N TOLLES RD

W GIBBS LAKE RD

BALL TAVERN CEMETERY

RECONSTRUCT INTERSECTION

N WILDER RD

210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380

14

14

N WEARY RD

UNION PACIFIC RR

UNION TOWNSHIP

PORTER TOWNSHIP

N TUTTLE RD

PORTER TOWNSHIP
CENTER TOWNSHIP

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\020201_PO.DWG
LAYOUT NAME - 01

PLOT DATE : 1/28/2020 8:46 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : ############

WISDOT/CADDS SHEET 42

2

2

N

380

390

400

410

420

430

440

450

460

470

480

490

500

510

520

530

540

550

560

570

580

590

14

14

N RILEY RD

N CURTIS DR

N CASSIDY RD

N FELLOWS RD

N EAGLE RD

N ROHERTY RD

N FOX RD

W SEEMAN RD

STA 421+31
EXTEND 30" CPRC

RELOCATE ENTRANCE

GUARDRAIL REQ'D

PORTER TOWNSHIP

CENTER TOWNSHIP

UNION PACIFIC RR

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PROJECT OVERVIEW	SHEET 4	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\020201_PO.DWG
LAYOUT NAME - 02

PLOT DATE : 1/28/2020 8:46 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : ############

WISDOT/CADDS SHEET 42

2

2

N

ROCK RIVER

COUNTY H

N CONNER RD

N FITZSIMMONS RD

N RIVERS EDGE DR

590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780

14

RECONSTRUCT INTERSECTION

STA 644+85 RT
LEYDEN COUNTRY STORE
CLOSED LUST SITE

N CONNER RD

N HARVEST VIEW DR

N LEITH RD

UNION PACIFIC RR

COUNTY H

CENTER TOWNSHIP
JANESVILLE TOWNSHIP

N POLZIN RD

N BURDICK RD

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PROJECT OVERVIEW	SHEET 5	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\020201_PO.DWG
LAYOUT NAME - 03

PLOT DATE : 1/28/2020 8:46 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : ############

WISDOT/CADDS SHEET 42

2

N

JANESVILLE TOWNSHIP

ROCK RIVER

N ROBINSON LN

N RIVER RD

GUARDRAIL REO'D

ARCHAEOLOGICAL SITE & WETLANDS

N EDGEWOOD DR

STA 886+50 LT
SHOEMAKER HOUSE
ELIGIBLE FOR THE NATIONAL REGISTER OF HISTORIC PLACES

COUNTY F

RECONSTRUCT INTERSECTION

51

END PROJECT
STA 897+50.75
(MILL & OVERLAY)

EXISTING TRAFFIC SIGNAL

780 14 790 800 810 820 830 840 850 860 870 880 890 900

RECONSTRUCT INTERSECTION

N HACKBARTH RD

W RIVER DR

SPRING HILL DR

W EDGEWOOD DR

PERPETUATE EB TRUCK CLIMBING LANE

N CRYSTAL SPRINGS RD

REPLACE EB TRUCK CLIMBING LANE WITH LEFT TURN LANES

WIDEN PAVED PORTION OF SHOULDER FROM 3' TO 5'

STRUCTURE B-53-906

SPEED LIMIT 55

SPEED LIMIT 45

14

51

ROCK RIVER

COUNTY E

CITY OF JANESVILLE

UNION PACIFIC RR

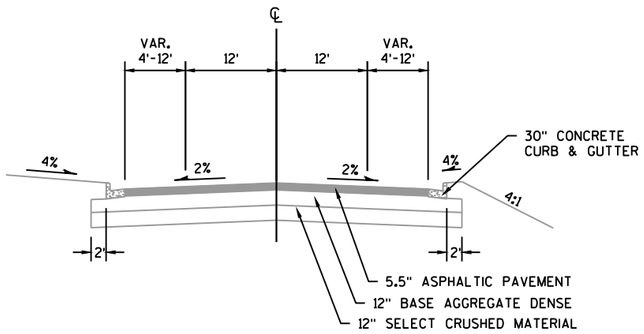
JANESVILLE TOWNSHIP

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PROJECT OVERVIEW	SHEET 6	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\020201_PO.DWG
LAYOUT NAME - 04

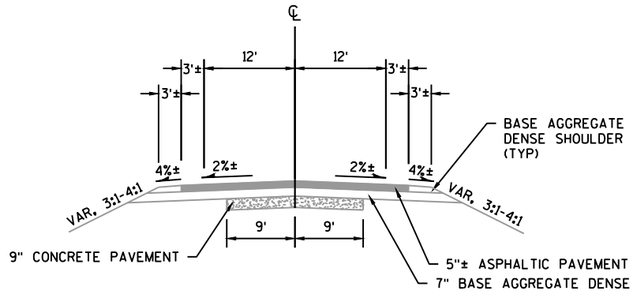
PLOT DATE : 1/28/2020 8:46 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : ############

WISDOT/CADDS SHEET 42



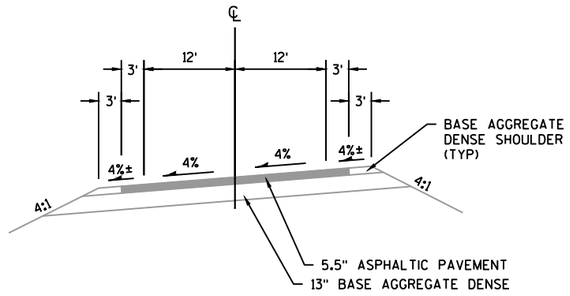
TYPICAL EXISTING SECTION - USH 14

STA. 209+00 TO STA. 215+01



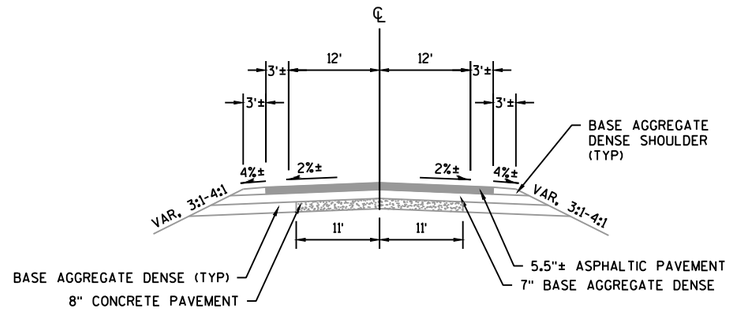
TYPICAL EXISTING SECTION - USH 14

STA. 215+01 TO STA. 629+60
STA. 646+60 TO STA. 804+00



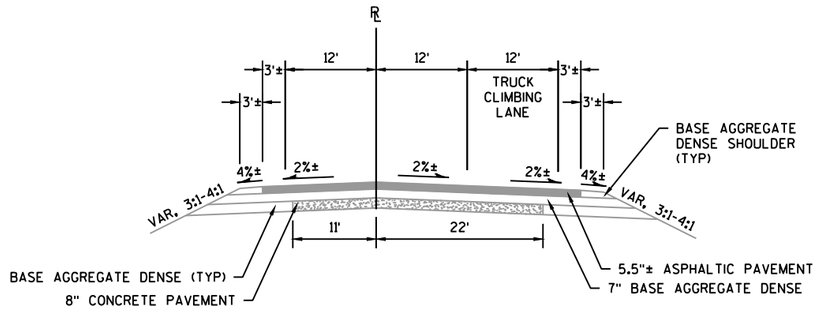
TYPICAL EXISTING SECTION - USH 14

STA. 629+60 TO STA. 646+60



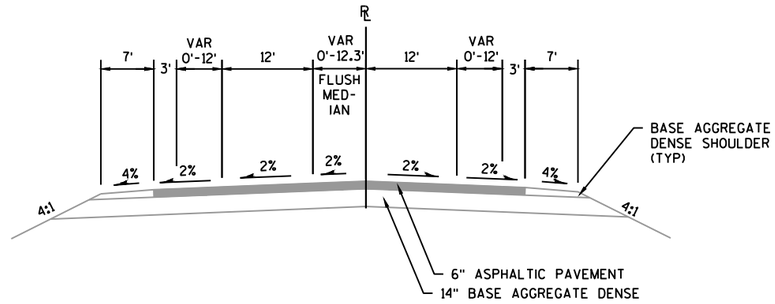
TYPICAL EXISTING SECTION - USH 14

STA. 804+00 TO STA. 829+85
STA. 869+00 TO STA. 889+60



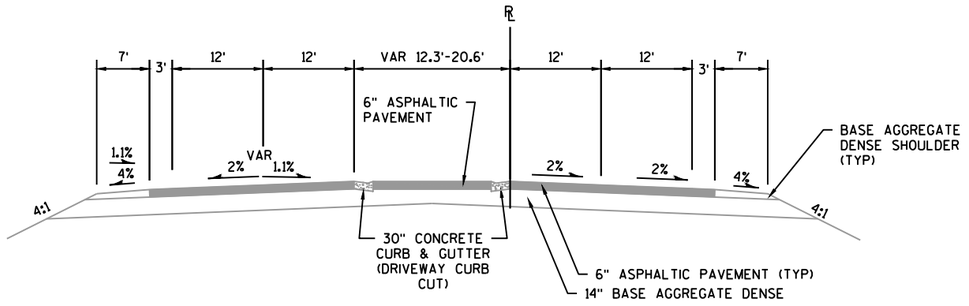
TYPICAL EXISTING SECTION - USH 14

STA. 833+85 TO STA. 869+00



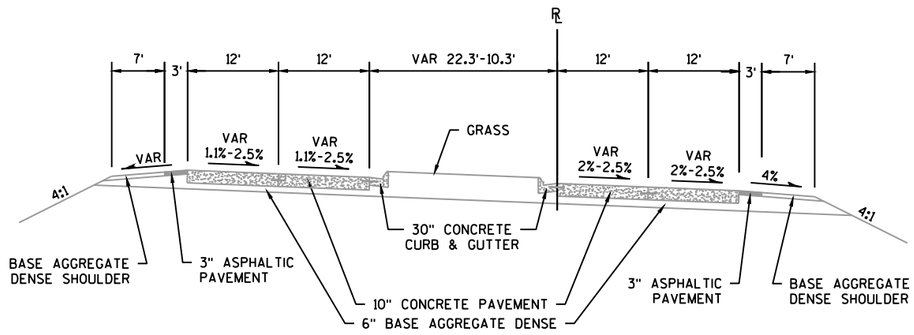
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STA. 889+60 TO STA. 894+40



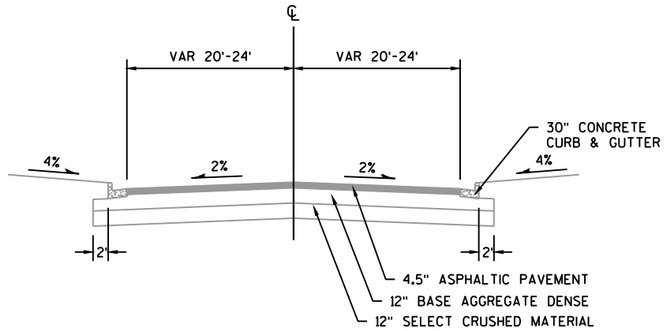
TYPICAL EXISTING SECTION - USH 14

STA. 894+40 TO STA. 897+50.75



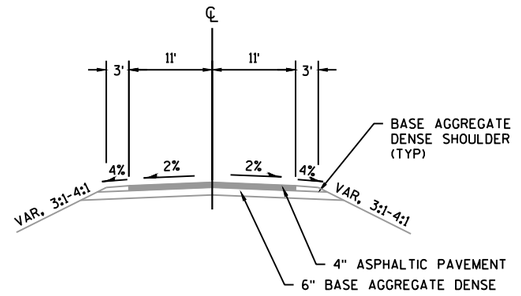
TYPICAL EXISTING SECTION - USH 14

STA. 897+50.75 TO STA. 900+00



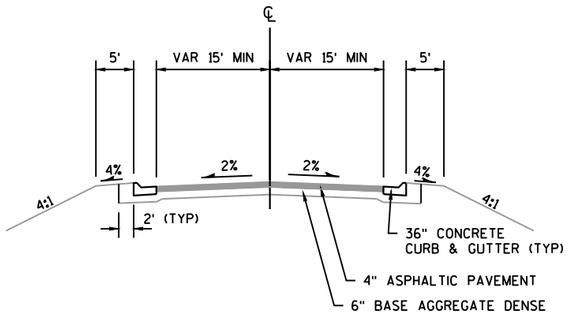
TYPICAL EXISTING SECTION - SIDEROADS

CTH M



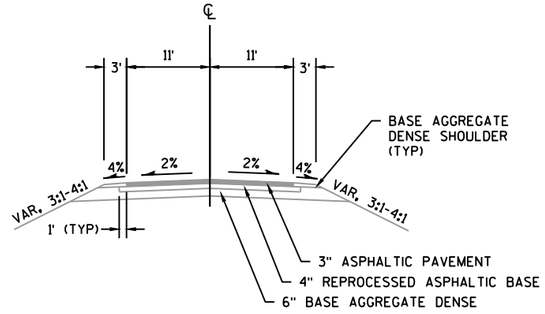
TYPICAL EXISTING SECTION - SIDE ROADS

CTH H, SOUTH OF USH 14



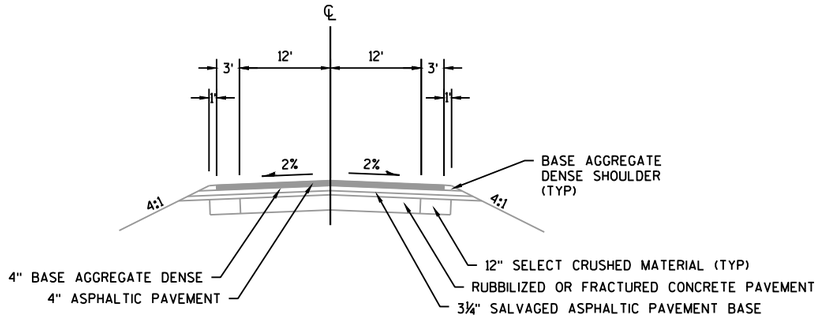
TYPICAL EXISTING SECTION - SIDE ROADS

CTH H, NORTH OF USH 14
STA. 130+25'H' TO STA. 131+00'H'



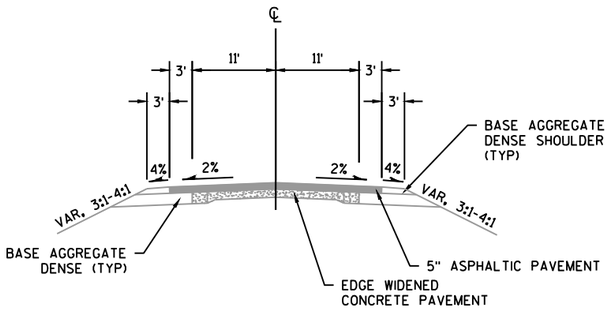
TYPICAL EXISTING SECTION - SIDE ROADS

CTH H, NORTH OF USH 14
STA. 131+00'H' TO STA. 133+00'H'



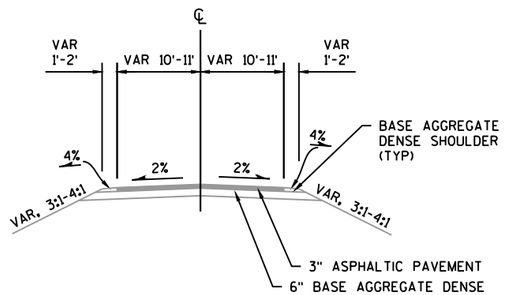
TYPICAL EXISTING SECTION - SIDE ROADS

CTH F



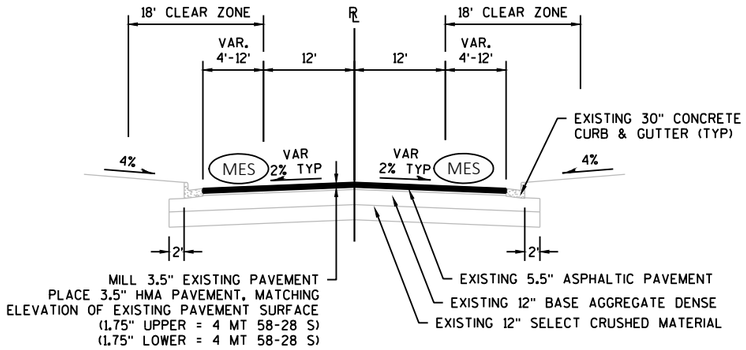
TYPICAL EXISTING SECTION - SIDE ROADS

CTH E



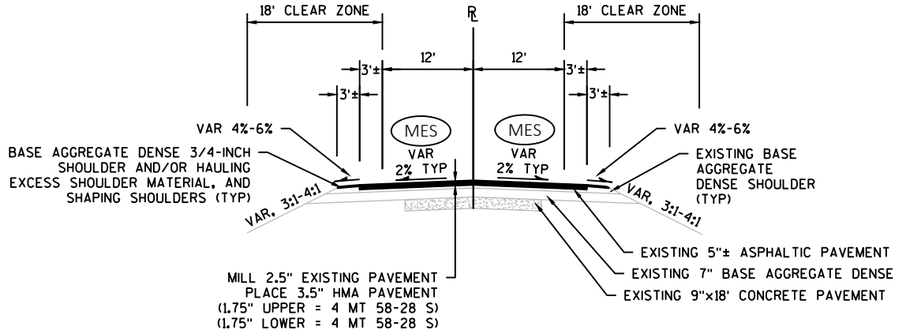
TYPICAL EXISTING SECTION - SIDE ROADS

LOCAL ROADS



TYPICAL FINISHED SECTION - USH 14

STA. 209+80 TO STA. 215+00



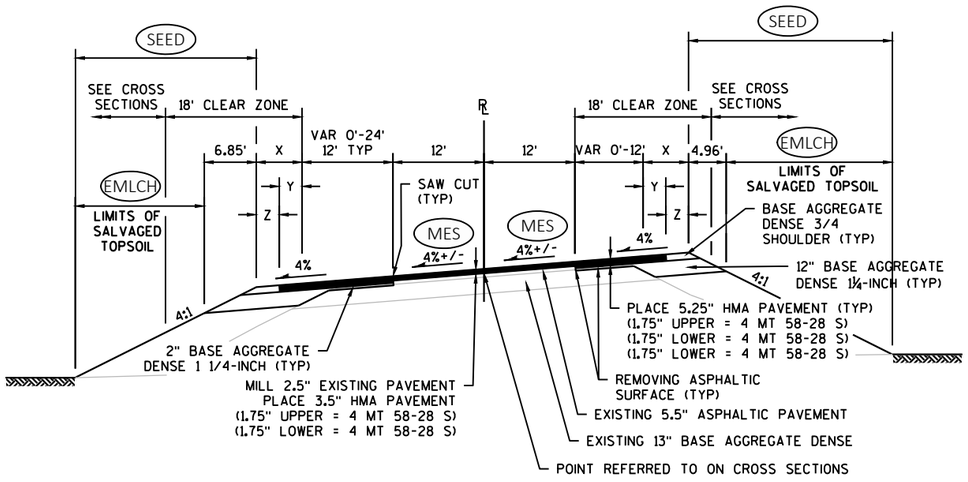
TYPICAL FINISHED SECTION - USH 14

STA. 215+00 TO STA. 629+60
STA. 646+60 TO STA. 799+55

PLACE CENTERLINE AND SHOULDER SINUSOIDAL RUMBLE STRIPS STARTING STA 227+00
PER SDD 14B29, PROVIDE SAFETY EDGE THROUGHOUT STATION RANGE

(MES) MATCH EXISTING PAVEMENT CROSS SLOPE

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TYPICAL SECTIONS	SHEET 11	E

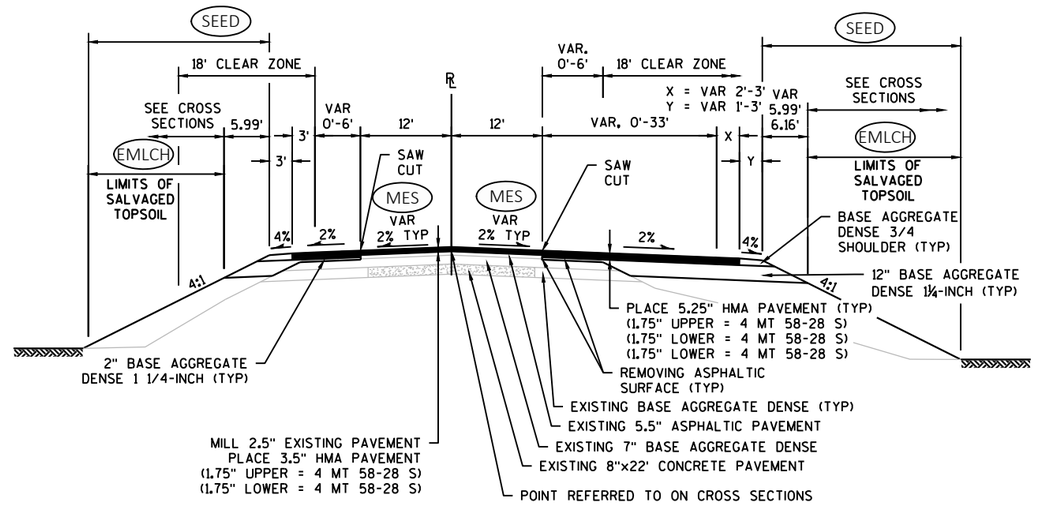


X = 3'-RIGHT TURN LANE, 6'-THRU LANE
Y = 2'-RIGHT TURN LANE, 3'-THRU LANE
Z = 1'-RIGHT TURN LANE, 3'-THRU LANE

TYPICAL FINISHED SECTION - USH 14

STA. 629+60 TO STA. 646+60

PLACE CENTERLINE AND SHOULDER SINUSOIDAL RUMBLE STRIPS THROUGHOUT STATION RANGE
PER SDD 14B29, PROVIDE SAFETY EDGE THROUGHOUT STATION RANGE



TYPICAL FINISHED SECTION - USH 14

STA. 799+55 TO STA. 817+05

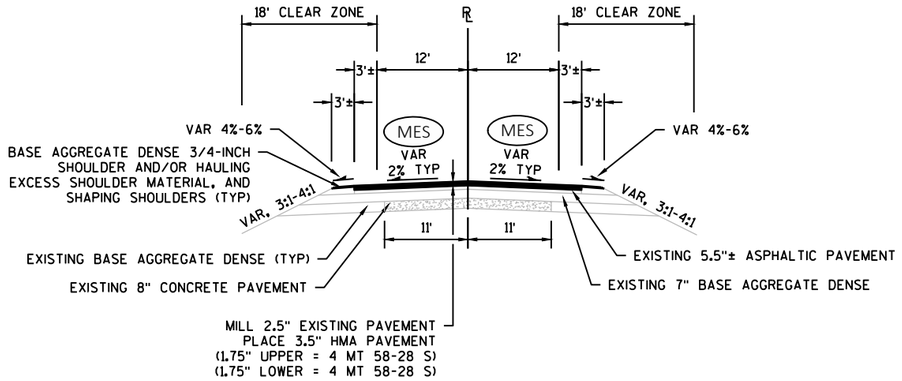
PLACE CENTERLINE AND SHOULDER SINUSOIDAL RUMBLE STRIPS THROUGHOUT STATION RANGE
PER SDD 14B29, PROVIDE SAFETY EDGE THROUGHOUT STATION RANGE

MES	MATCH EXISTING PAVEMENT CROSS SLOPE

SEED	FINISHING NOTES: SEE MISCELLANEOUS QUANTITIES FOR SPECIFIC SEEDING, SEEDING TEMPORARY, & FERTILIZER TYPES AND THEIR LOCATIONS.
EMLCH	SEE CONSTRUCTION DETAILS, MISCELLANEOUS QUANTITIES AND EROSION CONTROL PLAN FOR MULCH AND EROSION MAT LOCATIONS.

2

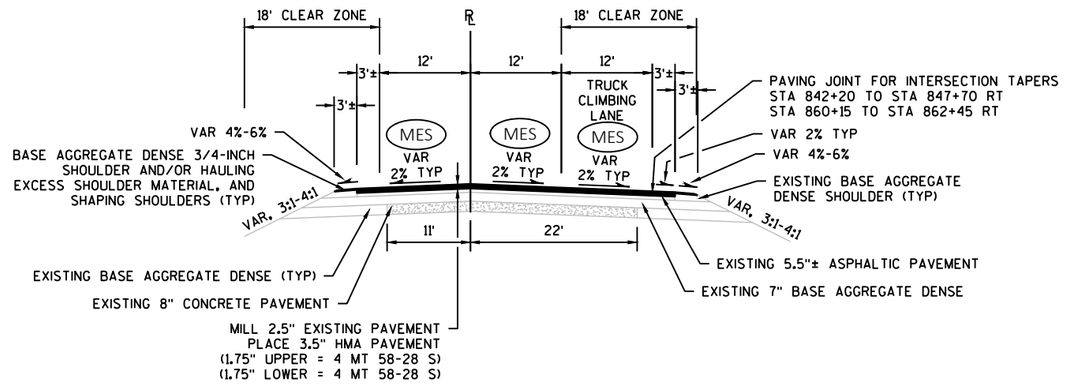
MES MATCH EXISTING PAVEMENT CROSS SLOPE



TYPICAL FINISHED SECTION - USH 14

STA. 817+05 TO STA. 829+85
STA. 869+00 TO STA. 889+60

PLACE CENTERLINE AND SHOULDER SINUSOIDAL RUMBLE STRIPS ENDING STA 869+00
PER SDD 14B29. PROVIDE SAFETY EDGE THROUGHOUT STATION RANGE



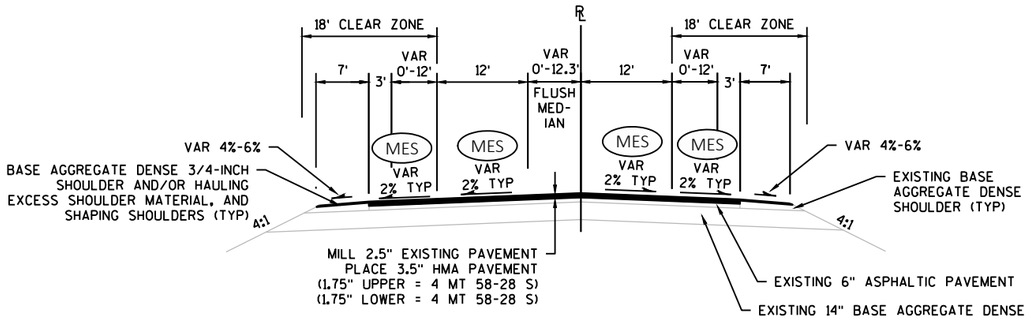
TYPICAL FINISHED SECTION - USH 14

STA. 833+85 TO STA. 869+00

PLACE CENTERLINE AND SHOULDER SINUSOIDAL RUMBLE STRIPS THROUGHOUT STATION RANGE
PER SDD 14B29. PROVIDE SAFETY EDGE THROUGHOUT STATION RANGE

2

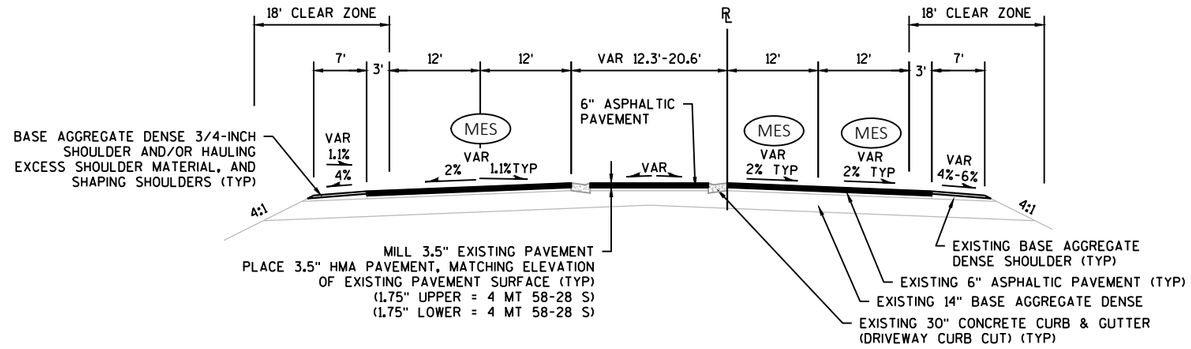
(MES) MATCH EXISTING PAVEMENT CROSS SLOPE



TYPICAL FINISHED SECTION - USH 14

STA. 889+60 TO STA. 894+40

PER SDD 14B29. PROVIDE SAFETY EDGE THROUGHOUT STATION RANGE



TYPICAL FINISHED SECTION - USH 14

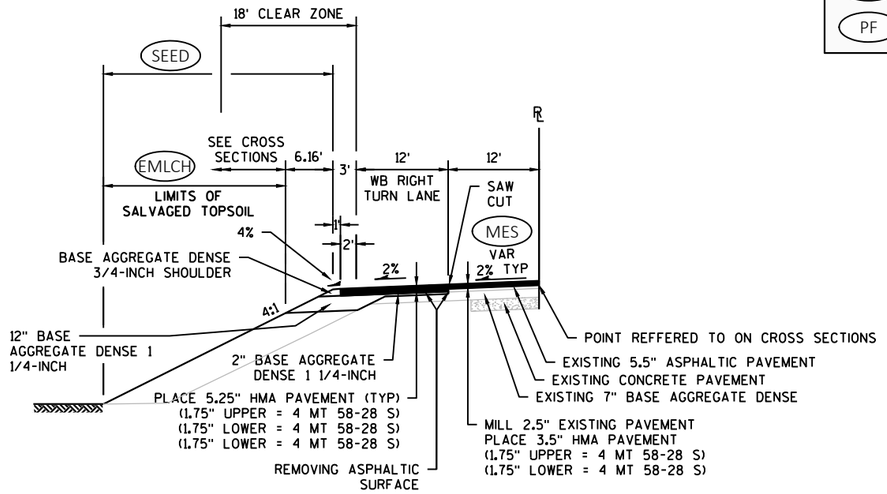
STA. 894+40 TO STA. 897+50.75

PER SDD 14B29. PROVIDE SAFETY EDGE THROUGHOUT STATION RANGE

2

MES MATCH EXISTING PAVEMENT CROSS SLOPE

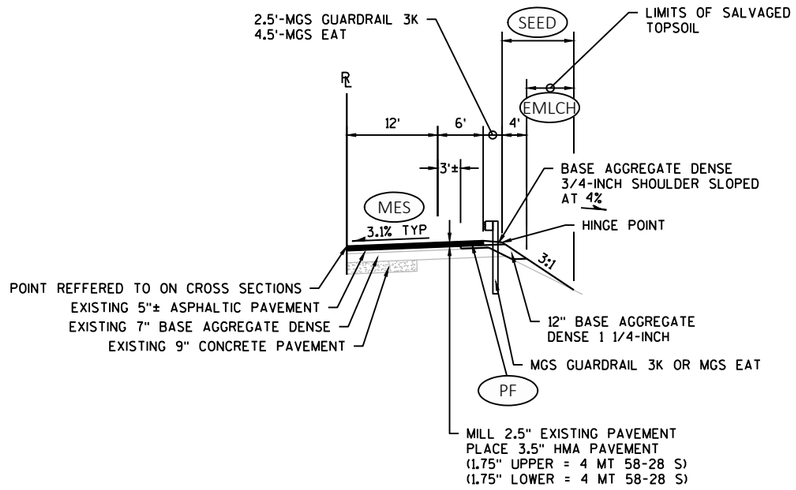
PF PREPARE FOUNDATION FOR ASPHALTIC SHOULDER



TYPICAL FINISHED HALF SECTION - USH 14

STA. 309+45 TO STA. 312+65 LT, WB RIGHT TURN LANE AT TOLLES RD
STA. 875+75 TO STA. 880+25 LT, WB RIGHT TURN LANE AT CTH F

PLACE CENTERLINE AND SHOULDER SINUSOIDAL RUMBLE STRIPS THROUGHOUT STATION RANGE AT TOLLES ROAD PER SDD 14B29, PROVIDE SAFETY EDGE THROUGHOUT STATION RANGE



TYPICAL FINISHED HALF SECTION - USH 14

STA. 479+62 TO STA. 483+30 RT

PLACE CENTERLINE AND SHOULDER RUMBLE STRIPS THROUGHOUT STATION RANGE

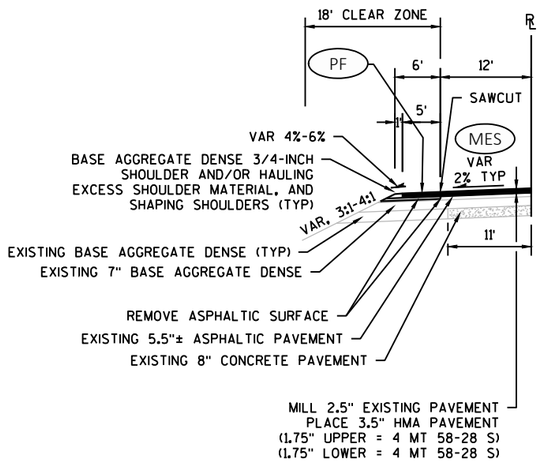
SEED FINISHING NOTES:
SEE MISCELLANEOUS QUANTITIES FOR SPECIFIC SEEDING, SEEDING TEMPORARY, & FERTILIZER TYPES AND THEIR LOCATIONS.

EMLCH SEE CONSTRUCTION DETAILS, MISCELLANEOUS QUANTITIES AND EROSION CONTROL PLAN FOR MULCH AND EROSION MAT LOCATIONS.

2

(MES) MATCH EXISTING PAVEMENT CROSS SLOPE

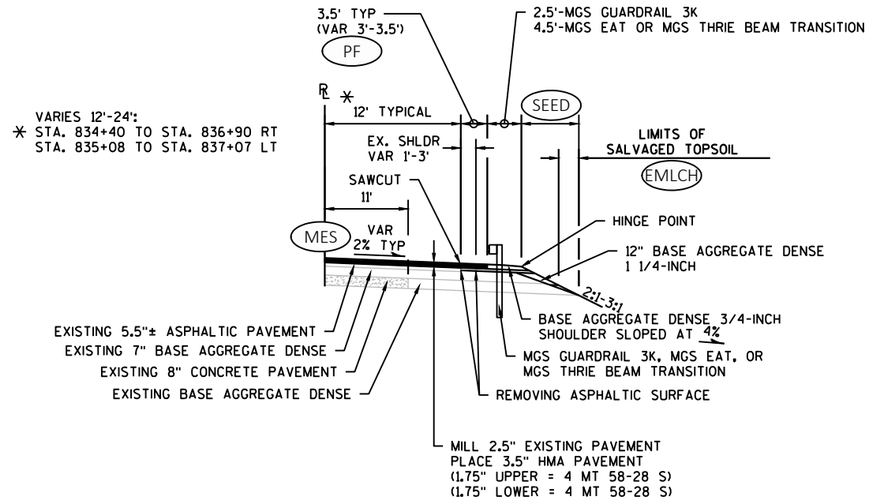
(PF) PREPARE FOUNDATION FOR ASPHALTIC SHOULDER



TYPICAL FINISHED HALF SECTION - USH 14 (5' PAVED SHOULDER FOR BIKES)

STA. 821+85 TO STA. 826+34 LT
STA. 819+00 TO STA. 827+40 RT (BACKSTATION)

PLACE CENTERLINE AND SHOULDER RUMBLE STRIPS THROUGHOUT STATION RANGE



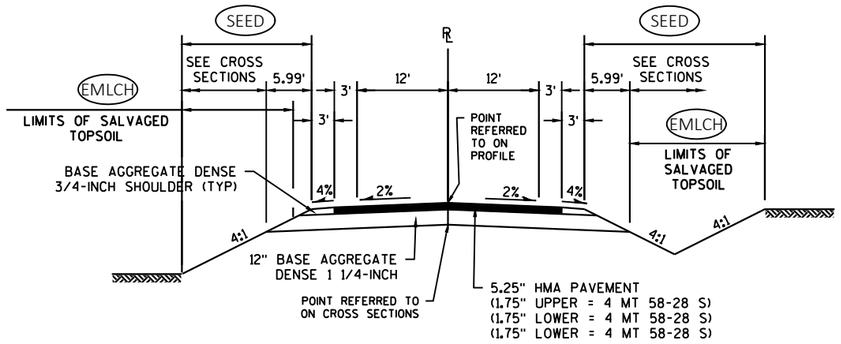
TYPICAL FINISHED HALF SECTION - USH 14

STA. 826+34 TO STA. 829+87 LT (BACKSTATION)
STA. 828+97 TO STA. 829+87 RT
STA. 833+84 TO STA. 836+98 LT (BACKSTATION)
STA. 833+84 TO STA. 837+06 RT
STA. 838+49 TO STA. 843+93 LT (BACKSTATION)

PLACE CENTERLINE AND SHOULDER RUMBLE STRIPS THROUGHOUT STATION RANGE

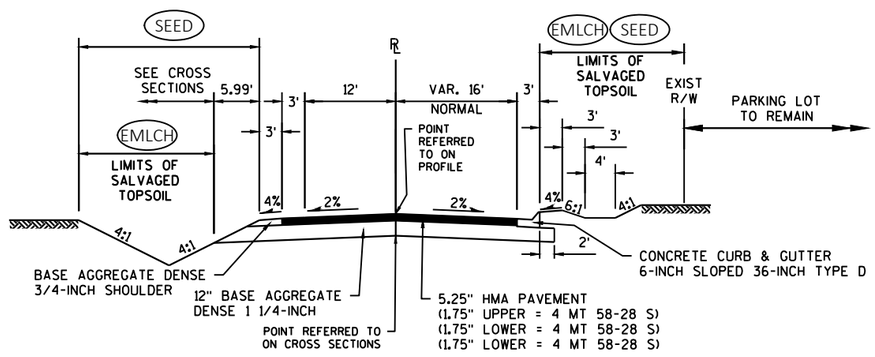
(SEED) FINISHING NOTES:
SEE MISCELLANEOUS QUANTITIES FOR SPECIFIC SEEDING, SEEDING TEMPORARY, & FERTILIZER TYPES AND THEIR LOCATIONS.

(EMLCH) SEE CONSTRUCTION DETAILS, MISCELLANEOUS QUANTITIES AND EROSION CONTROL PLAN FOR MULCH AND EROSION MAT LOCATIONS.



TYPICAL FINISHED SECTION - SIDE ROADS

CTH H, SOUTH OF USH 14
STA. 127+00'H' TO STA. 127+50'H'
PER SDD 14B29, PROVIDE SAFETY EDGE



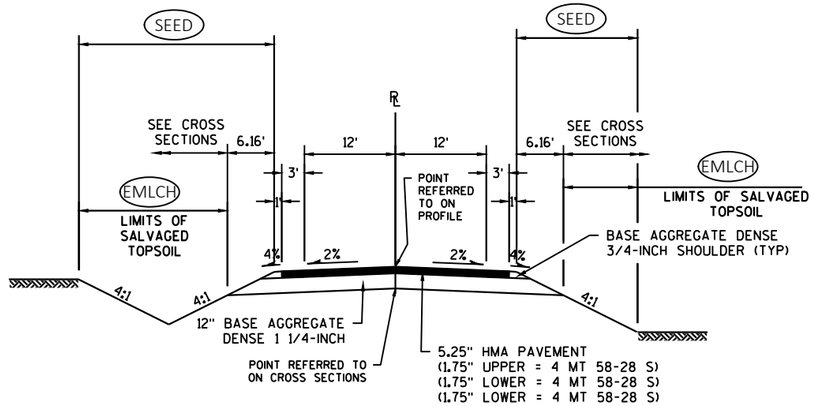
TYPICAL FINISHED SECTION - SIDE ROADS

CTH H, SOUTH OF USH 14
STA. 127+50'H' TO STA. 129+88'H'
PER SDD 14B29, PROVIDE SAFETY EDGE

FINISHING NOTES:

SEED — SEE MISCELLANEOUS QUANTITIES FOR SPECIFIC SEEDING, SEEDING TEMPORARY, & FERTILIZER TYPES AND THEIR LOCATIONS.

EMLCH — SEE CONSTRUCTION DETAILS, MISCELLANEOUS QUANTITIES AND EROSION CONTROL PLAN FOR MULCH AND EROSION MAT LOCATIONS.



TYPICAL FINISHED SECTION - SIDE ROADS

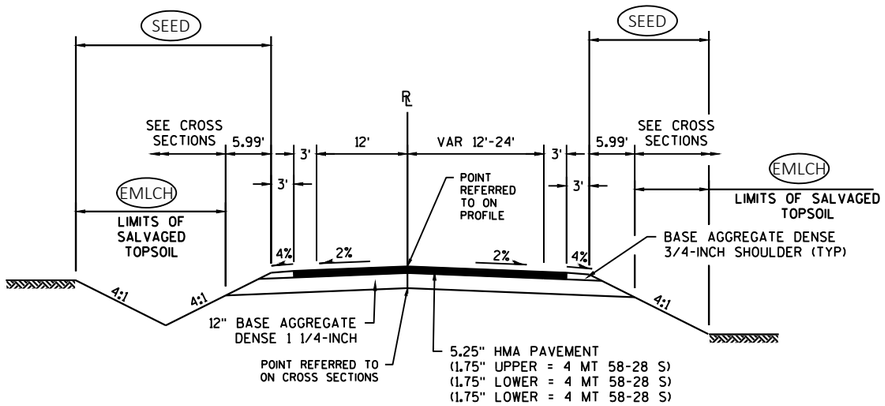
CTH H, NORTH OF USH 14

PER SDD 14B29, PROVIDE SAFETY EDGE

2

FINISHING NOTES:
SEE MISCELLANEOUS QUANTITIES FOR SPECIFIC SEEDING, SEEDING TEMPORARY, & FERTILIZER TYPES AND THEIR LOCATIONS.

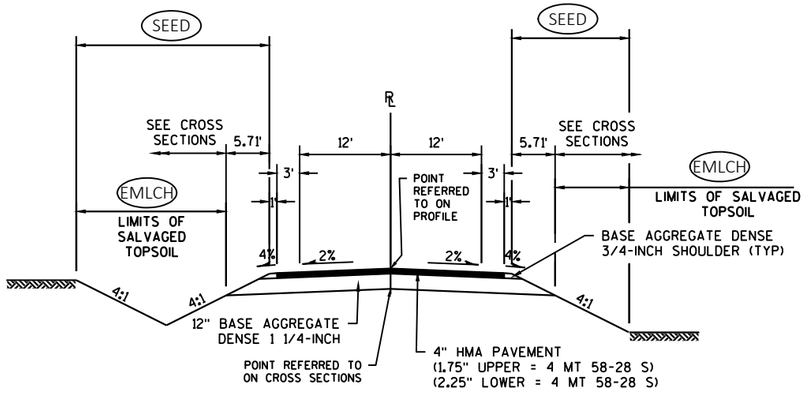
SEE CONSTRUCTION DETAILS, MISCELLANEOUS QUANTITIES AND EROSION CONTROL PLAN FOR MULCH AND EROSION MAT LOCATIONS.



TYPICAL FINISHED SECTION - SIDE ROADS

CTH E

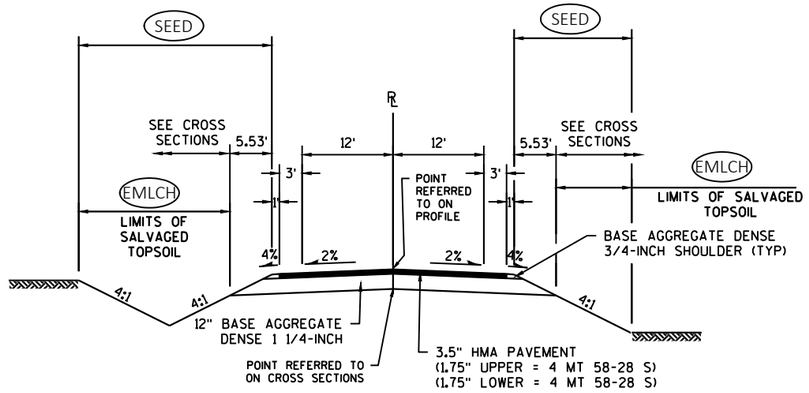
PER SDD 14B29, PROVIDE SAFETY EDGE



TYPICAL FINISHED SECTION - SIDE ROADS

CTH F

PER SDD 14B29, PROVIDE SAFETY EDGE

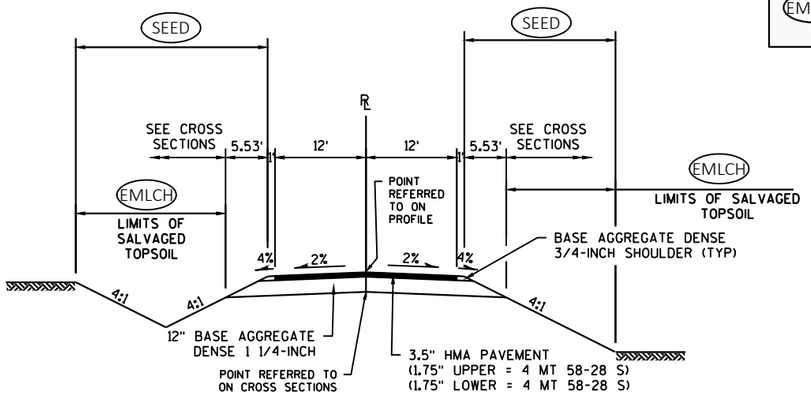


TYPICAL FINISHED SECTION - SIDE ROADS

TOLLES ROAD

PER SDD 14B29, PROVIDE SAFETY EDGE

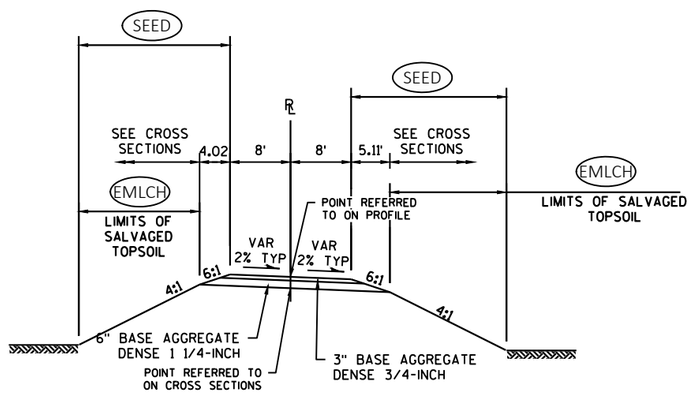
SEED	FINISHING NOTES: SEE MISCELLANEOUS QUANTITIES FOR SPECIFIC SEEDING, SEEDING TEMPORARY, & FERTILIZER TYPES AND THEIR LOCATIONS.
EMLCH	SEE CONSTRUCTION DETAILS, MISCELLANEOUS QUANTITIES AND EROSION CONTROL PLAN FOR MULCH AND EROSION MAT LOCATIONS.



TYPICAL FINISHED SECTION - SIDE ROADS

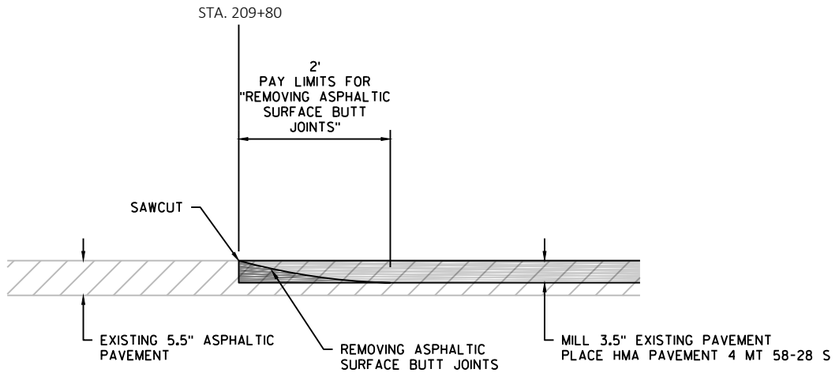
N. ROBINSON LANE

PER SDD 14B29, PROVIDE SAFETY EDGE



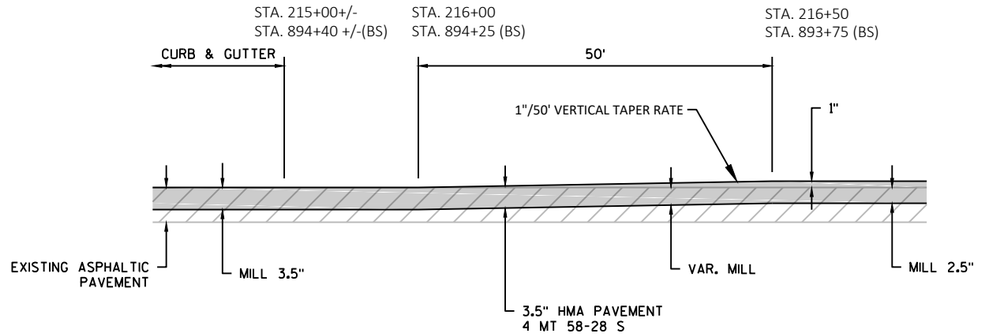
TYPICAL FINISHED SECTION - ENTRANCE

STA. 479+25 RT



BUTT JOINT TO MATCH EXISTING

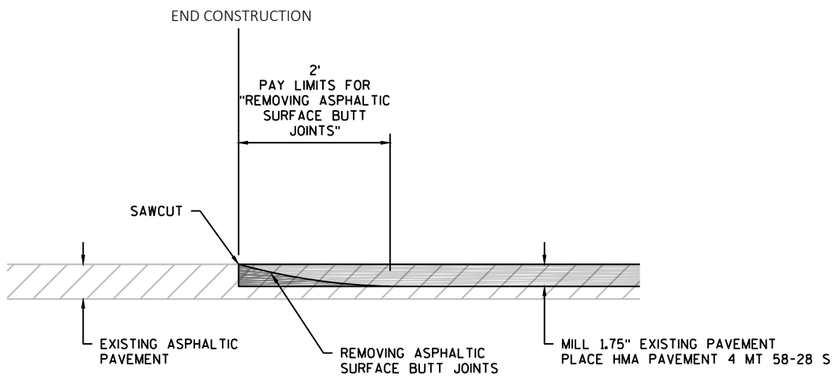
USH 14 - STA. 209+80



MILL DEPTH TRANSITION FOR CURB & GUTTER SECTION

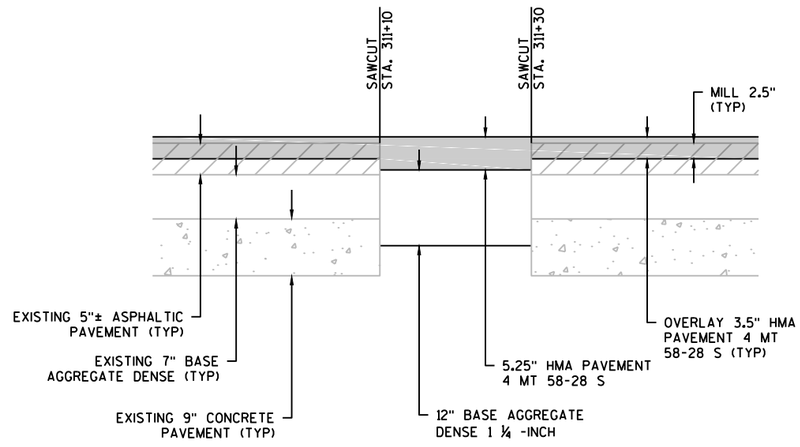
STA. 216+00 TO STA. 216+50 - 5"± EXISTING ASPHALTIC PAVEMENT
STA. 893+75 TO STA. 894+25 (BS) - 6"± EXISTING ASPHALTIC PAVEMENT

(BS) = BACKSTATION



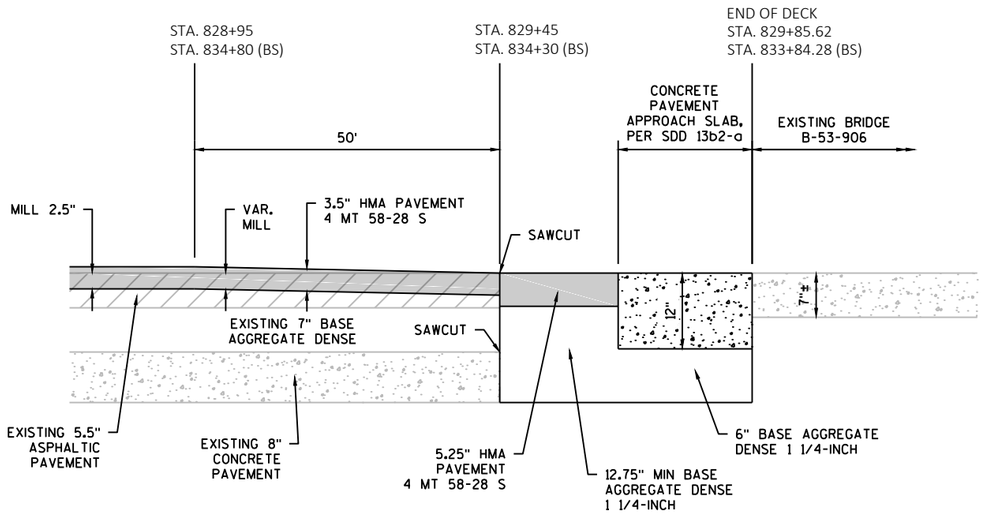
BUTT JOINT TO MATCH EXISTING

MINOR SIDE ROADS



PATCH FOR INSTALLATION OF NEW CULVERT

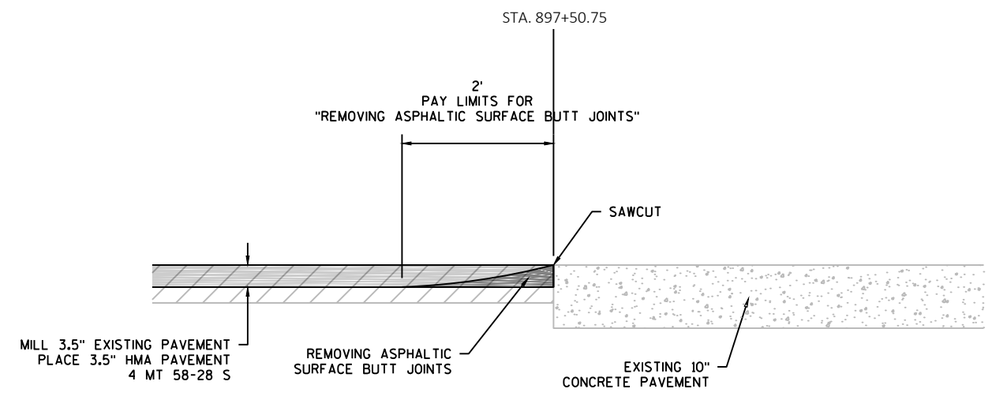
STA. 311+20



MILL DEPTH TRANSITION FOR CONCRETE PAVEMENT APPROACH SLAB

STA. 828+85 TO STA. 829+85.62
STA. 833+84.28 TO STA. 834+85 (BS)

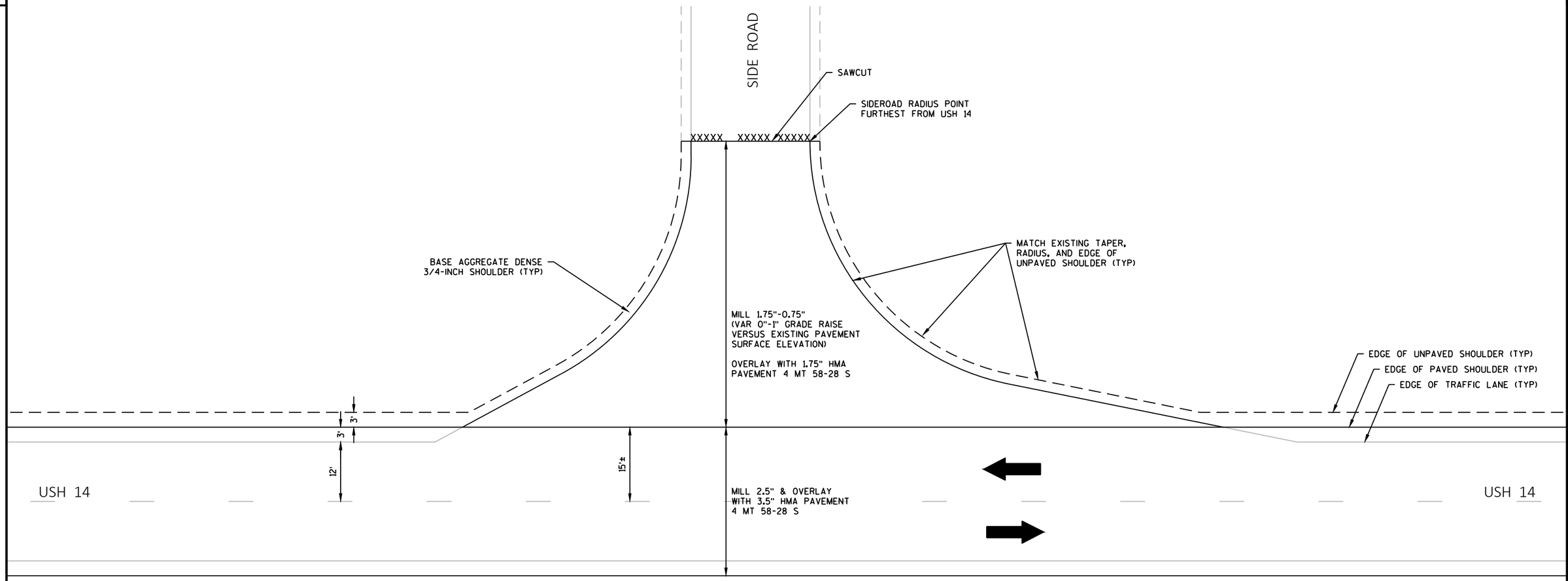
(BS) = BACKSTATION



BUTT JOINT TO MATCH EXISTING

USH 14 - STA. 897+50.75

2

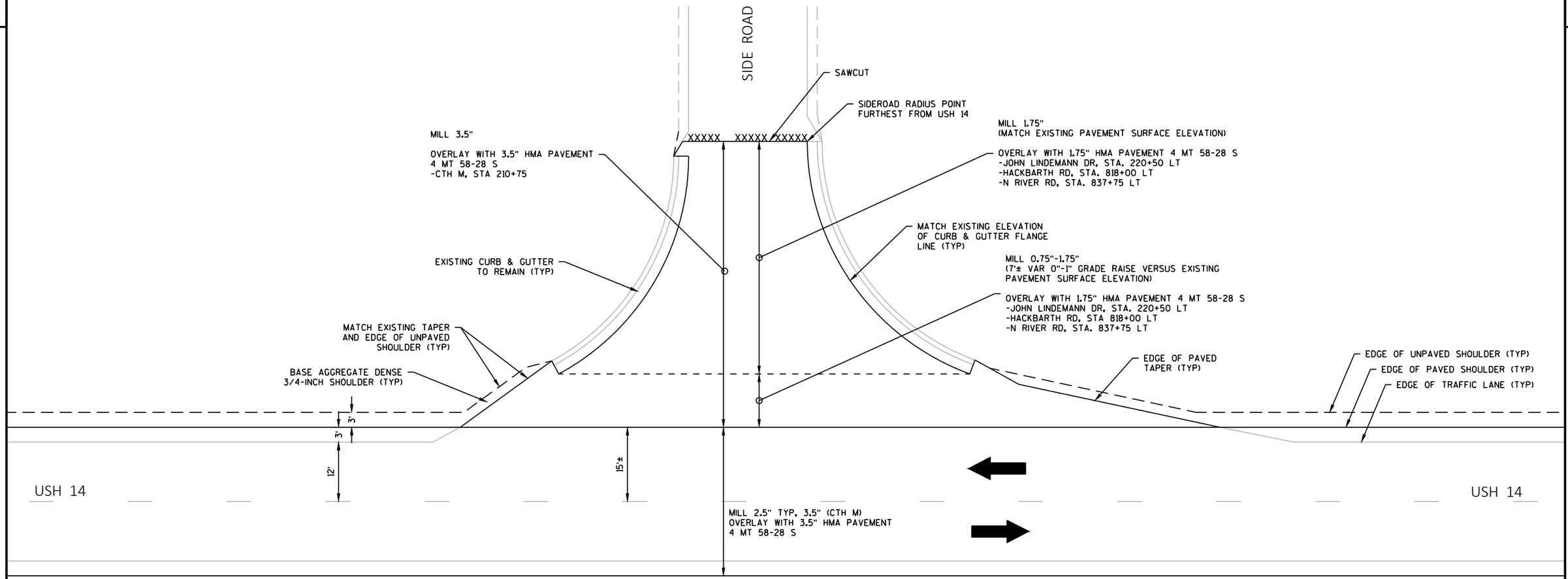


SIDE ROAD INTERSECTION WITHOUT CURB & GUTTER

NOTES:
AS REQUIRED, PROVIDE FOR REMOVING DISTRESSED PAVEMENT MILLING (SEE SEPARATE DETAIL).

MILL & OVERLAY ON SIDE ROAD MUST BE COMPLETED THE SAME DAY.

2



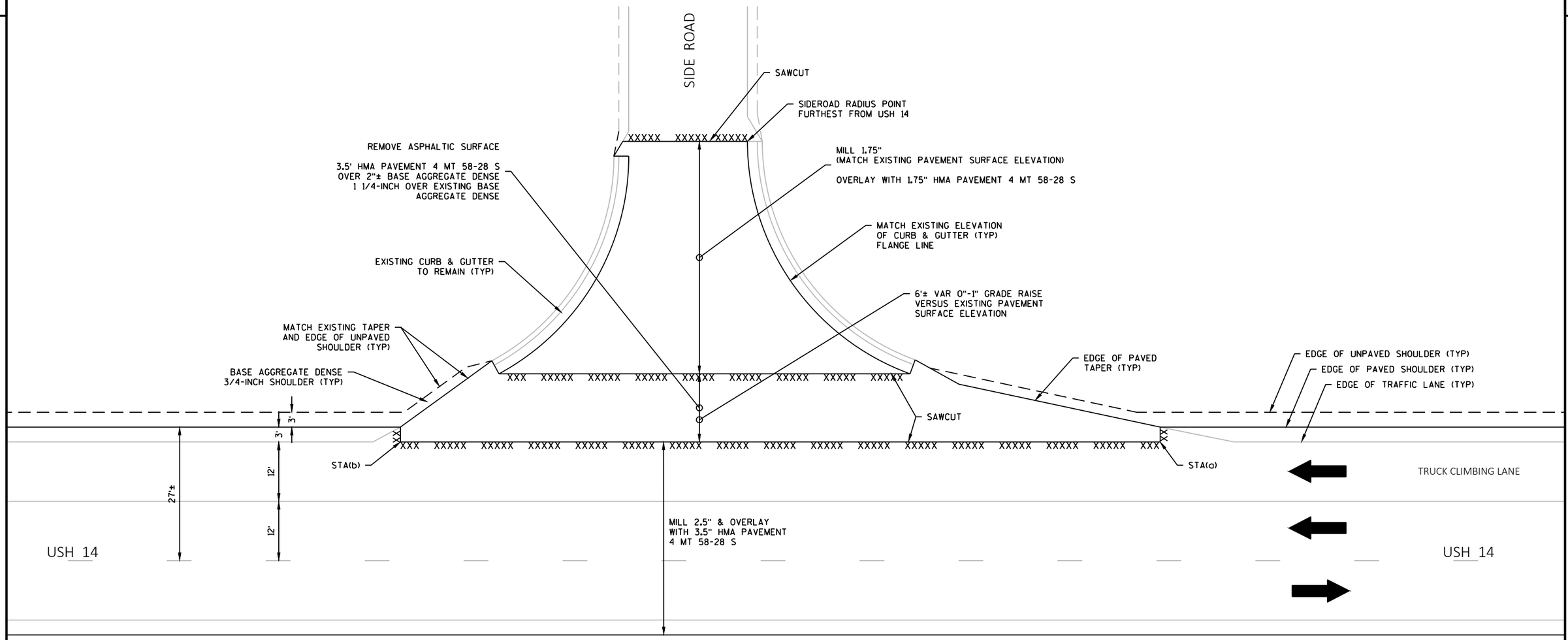
SIDE ROAD INTERSECTION WITH CURB & GUTTER

STA. 210+75 LT & RT (CTH M)
STA. 220+50 LT (JOHN LINDEMANN DRIVE)
STA. 818+00 LT & RT (HACKBARTH ROAD)
STA. 837+75 LT (N RIVER ROAD)

NOTES:
AS REQUIRED, PROVIDE FOR REMOVING DISTRESSED PAVEMENT MILLING (SEE SEPARATE DETAIL).

MILL & OVERLAY ON SIDE ROAD MUST BE COMPLETED THE SAME DAY.

2



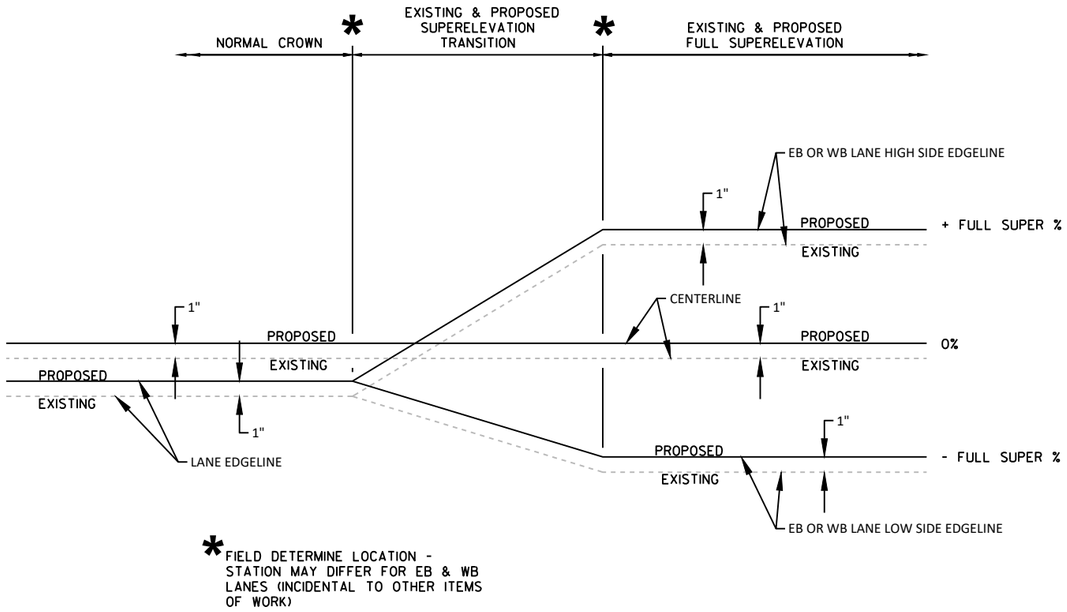
SIDE ROAD INTERSECTION WITHIN EB TRUCK CLIMBING LANE WITH CURB & GUTTER

STA(a). 842+20 RT TO STA(b) 847+70 RT (SPRING HILL DRIVE)
STA(a). 860+15 RT TO STA(b). 862+45 RT (W EDGEWOOD DRIVE)

NOTES:
AS REQUIRED, PROVIDE FOR REMOVING DISTRESSED PAVEMENT MILLING (SEE SEPARATE DETAIL).

MILL & OVERLAY ON SIDE ROAD MUST BE COMPLETED THE SAME DAY.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CONSTRUCTION DETAILS	SHEET 24	E

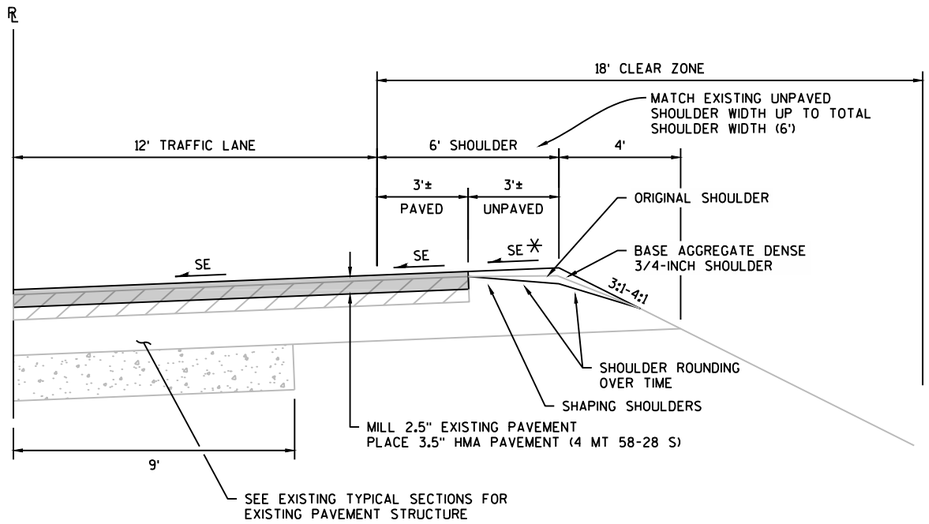


* FIELD DETERMINE LOCATION - STATION MAY DIFFER FOR EB & WB LANES (INCIDENTAL TO OTHER ITEMS OF WORK)

DETAIL FOR TYPICAL SUPERELEVATION TRANSITION

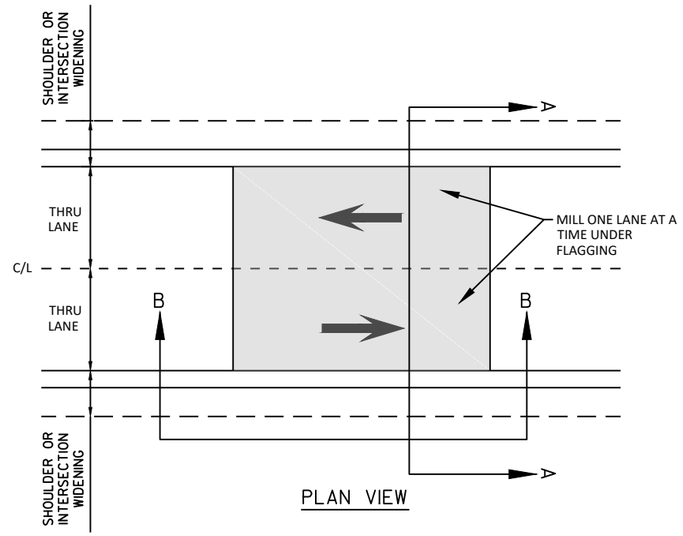
PROFILE VIEW

* HIGH SIDE OF CURVE SHOWN IN NORMAL CROWN OR ON LOW SIDE OF CURVE. PROVIDE SLOPE BETWEEN 4% AND 6% PITCHED TO DRAIN AWAY FROM TRAFFIC LANE.



DETAIL FOR SHAPING SHOULDER

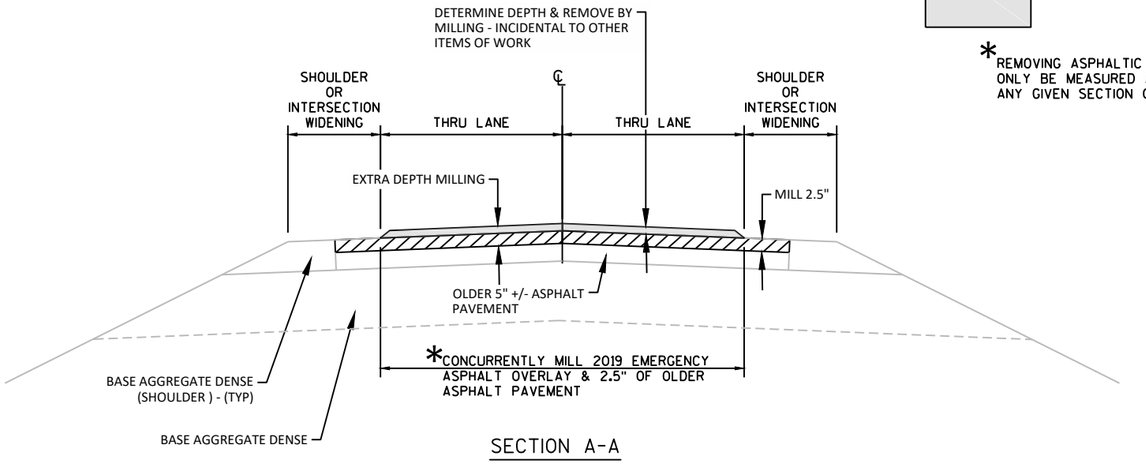
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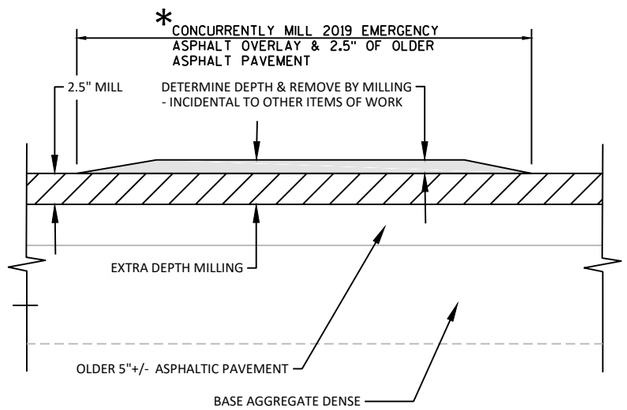
PLAN VIEW

2019 EMERGENCY ASPHALT OVERLAY

*REMOVING ASPHALTIC SURFACE MILLING WILL ONLY BE MEASURED AND PAID FOR ONCE FOR ANY GIVEN SECTION OF EXISTING ROADWAY



SECTION A-A



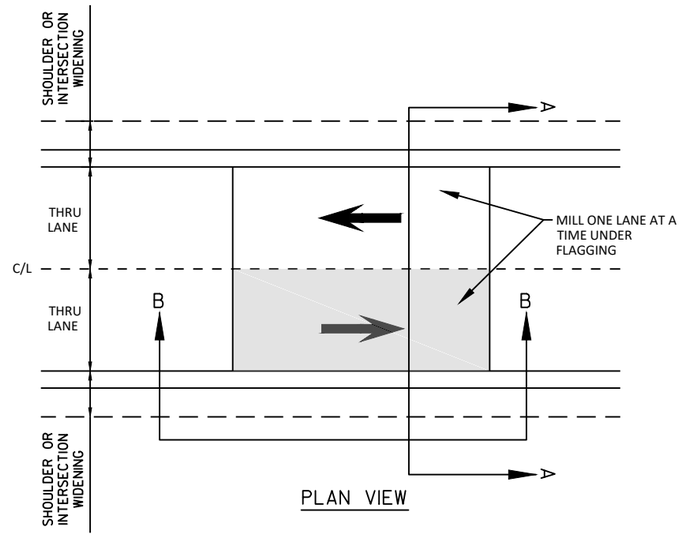
SECTION B-B

DETAIL FOR EXTRA-DEPTH MILLING TO REMOVE EMERGENCY OVERLAY (BOTH THRU LANES)

STATION TO STATION

STA. 354+49 TO STA. 364+06
STA. 461+91 TO STA. 486+54
STA. 497+29 TO STA. 513+61
STA. 584+85 TO STA. 607+47
STA. 624+00 TO STA. 631+19
STA. 646+31 TO STA. 649+60
STA. 776+08 TO STA. 780+26
STA. 813+00 TO STA. 829+45
STA. 834+24 TO STA. 890+29

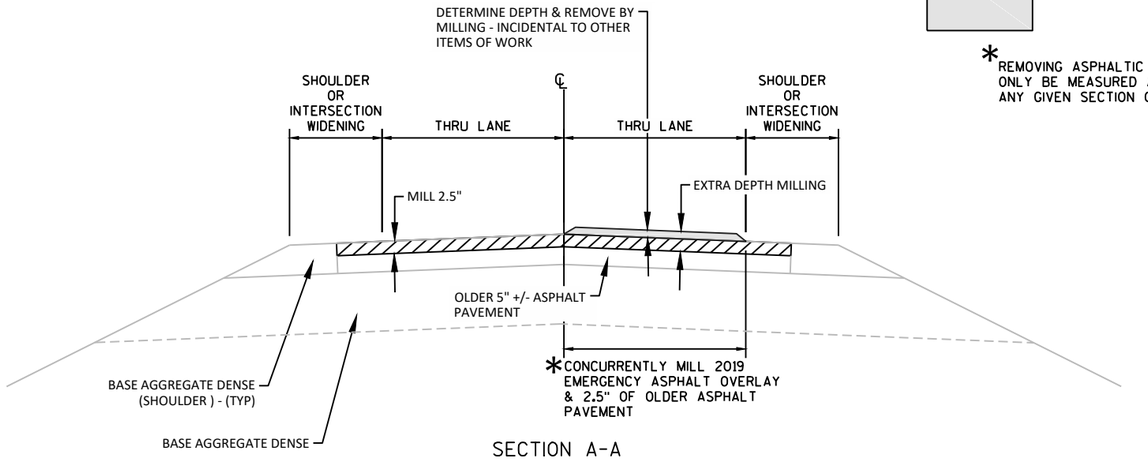
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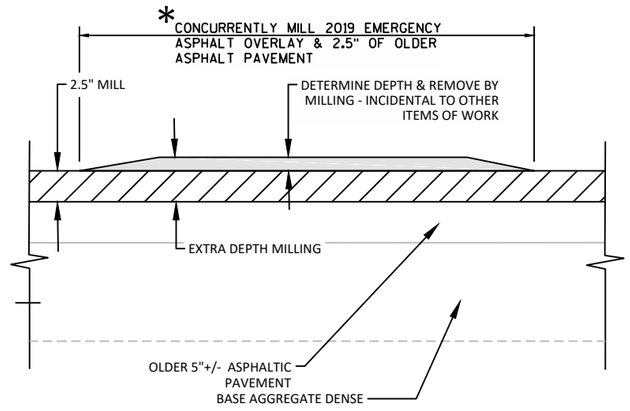
PLAN VIEW

2019 EMERGENCY ASPHALT OVERLAY

* REMOVING ASPHALTIC SURFACE MILLING WILL ONLY BE MEASURED AND PAID FOR ONCE FOR ANY GIVEN SECTION OF EXISTING ROADWAY



SECTION A-A



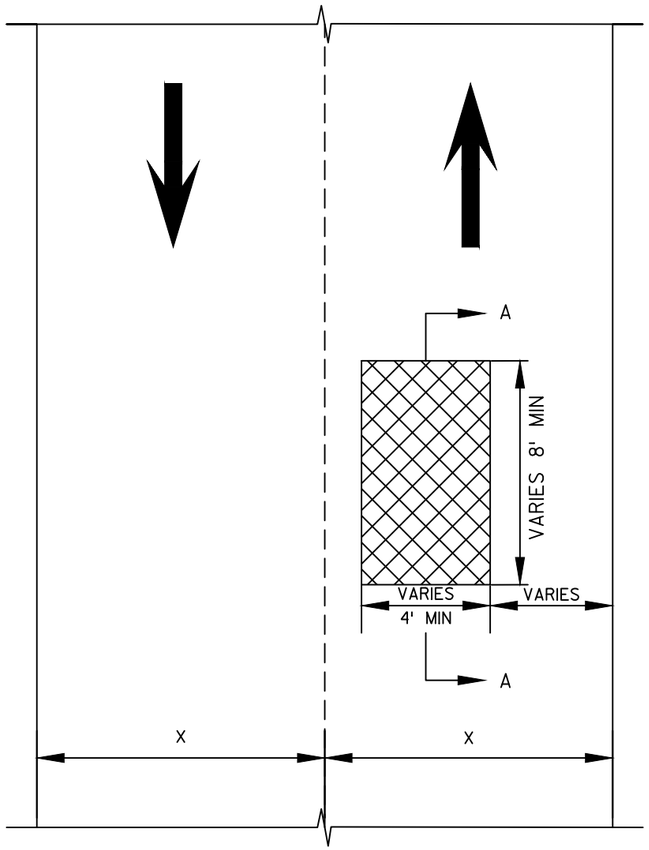
SECTION B-B

DETAIL FOR EXTRA-DEPTH MILLING TO REMOVE EMERGENCY OVERLAY (ONE THRU LANE ONLY)

STATION TO STATION

EB LANE STA. 453+23 TO STA. 461+91
EB LANE STA. 607+47 TO STA. 609+19
EB LANE STA. 631+19 TO STA. 631+34
WB LANE STA. 641+50 TO STA. 646+31
EB LANE STA. 756+30 TO STA. 776+08
EB LANE STA. 820+29 TO STA. 893+15

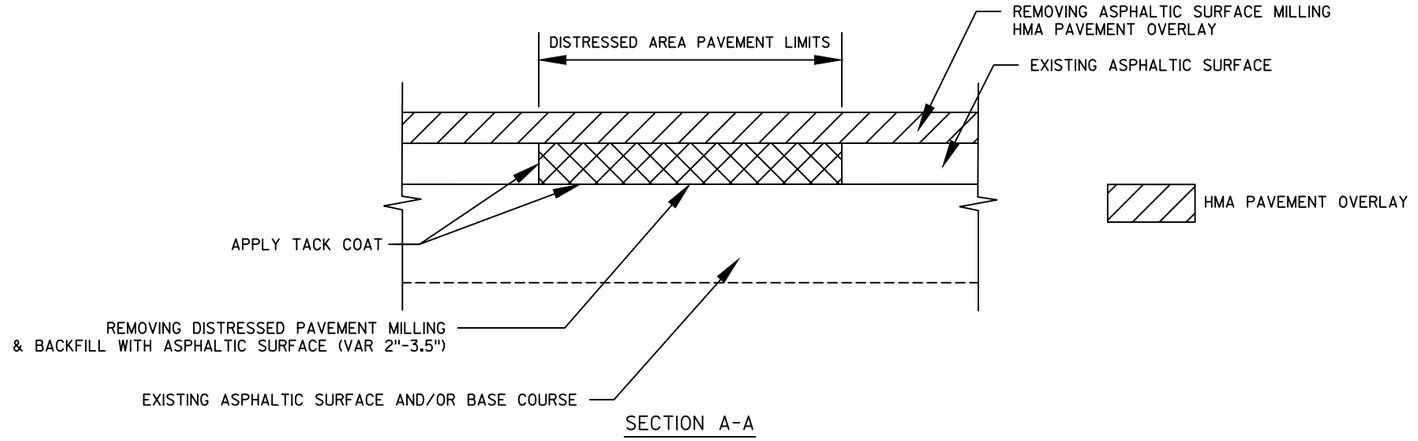
2



REMOVING DISTRESSED PAVEMENT MILLING

TRAVEL DIRECTION

PLAN VIEW

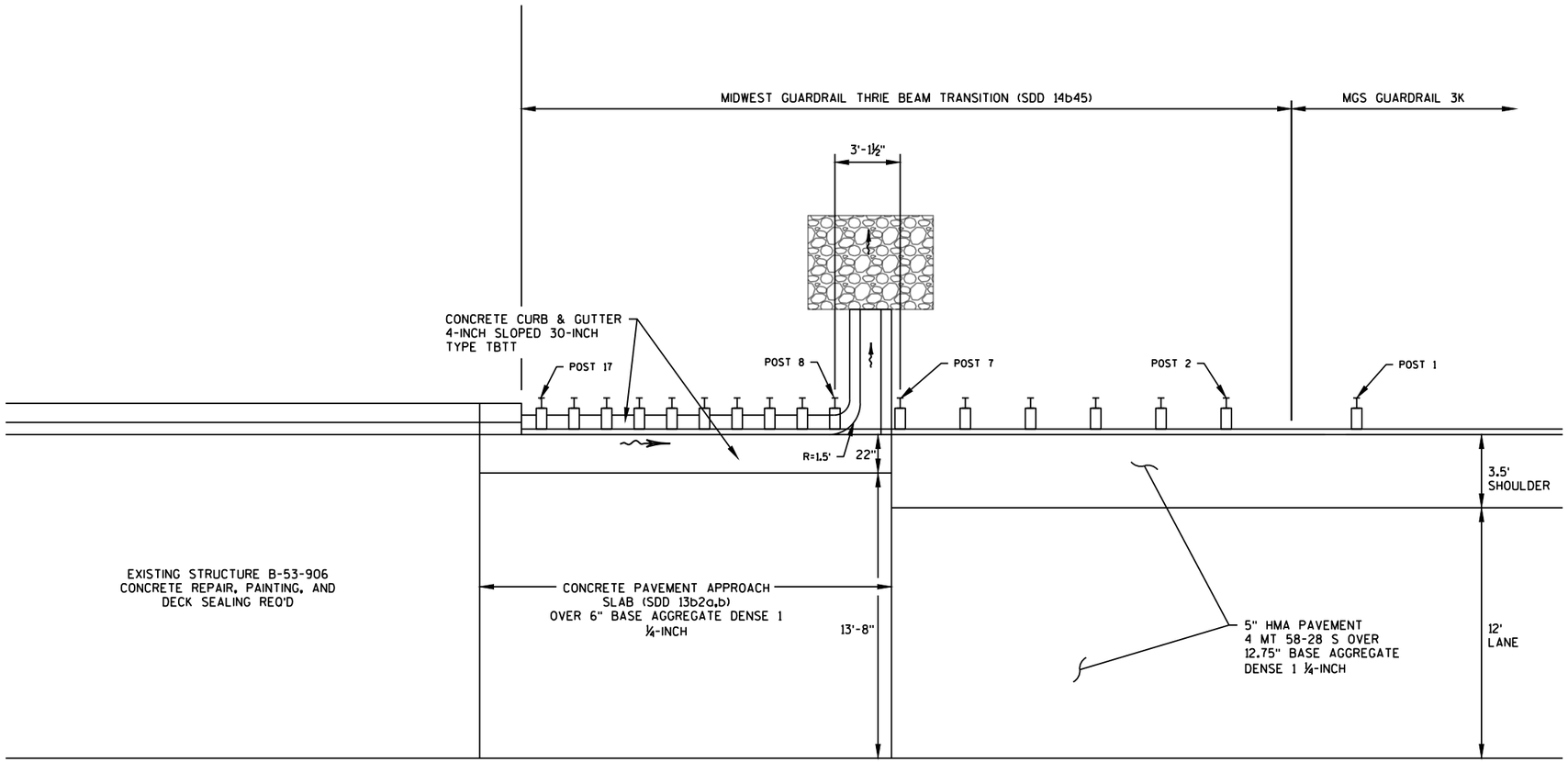


SECTION A-A

REMOVING DISTRESSED PAVEMENT MILLING

EXACT LOCATION AND LIMITS OF REMOVING DISTRESSED PAVEMENT MILLING TO BE DETERMINED BY THE ENGINEER IN THE FIELD

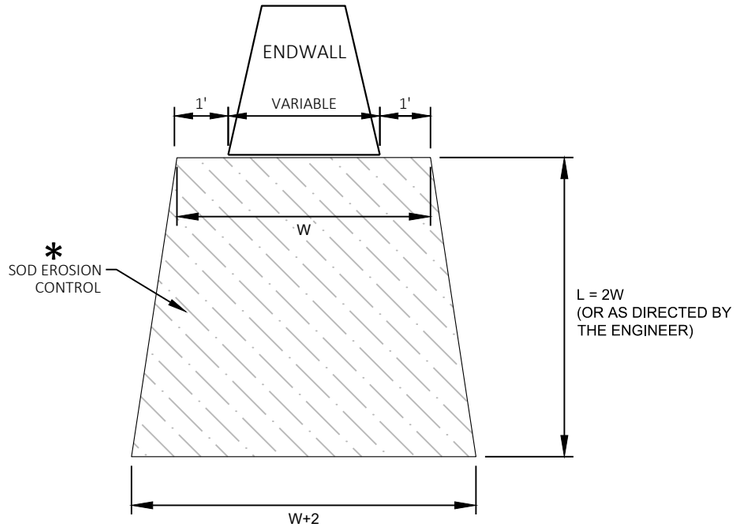
2



DETAIL FOR PLACEMENT OF CONCRETE SURFACE DRAIN FLUME

STA. 834+00± LT
STA. 834+00± RT

NOTE:
OTHER DETAILS CONFORM TO SDD 8D2 "CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES"

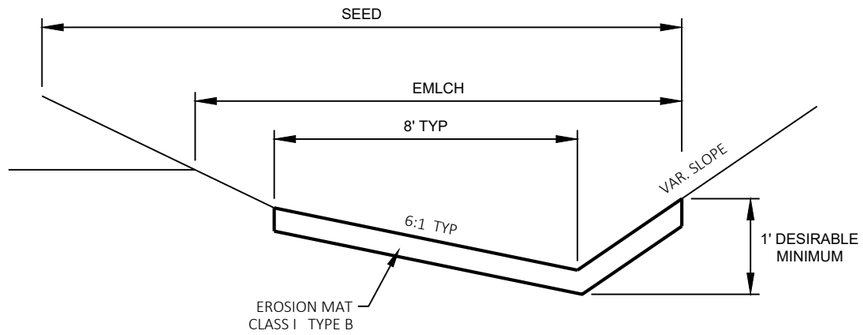


DETAIL FOR SOD EROSION CONTROL TREATMENT AT CULVERTS

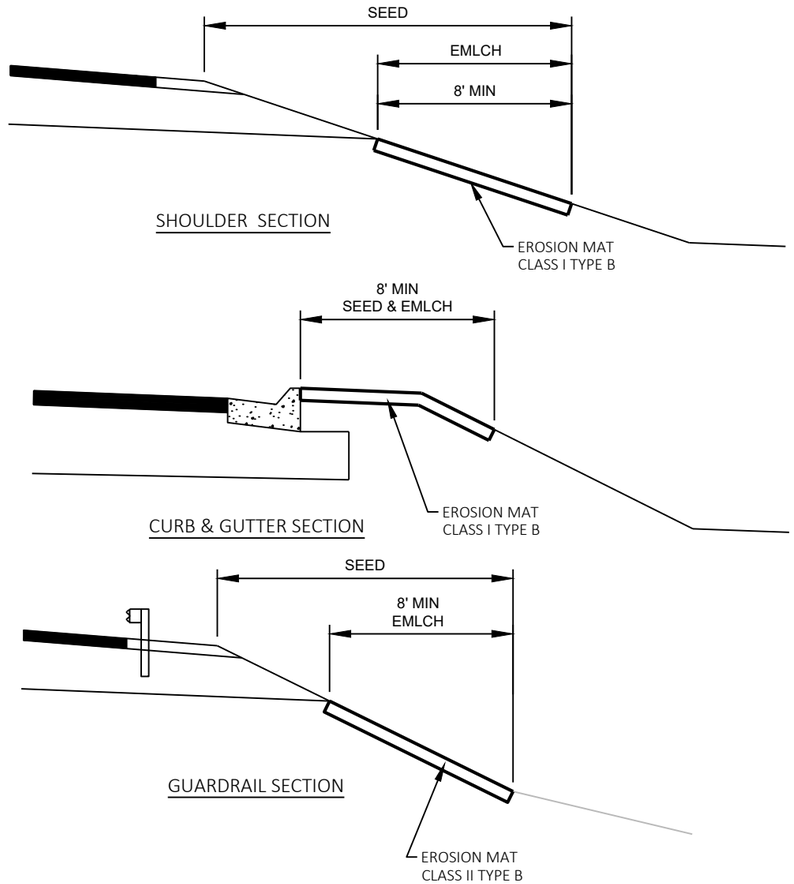
* - STAKED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

ESTIMATED BAG SIZE = 18" X 12" X 6"	
PIPE SIZE	**ESTIMATED NO. OF BAGS**
12"	**1**
15"	**2**
18"	**2**
21"	**3**
14" X 23"	**3**
24"	**3**
27"	**4**
30"	**5**
19" X 30"	**5**
36"	**7**
24" X 38"	**8**
42"	**8**
29" X 45"	**10**
48"	**10**
34" X 53"	**10**
38" X 60"	**13**
60"	**13**
66"	**15**
53" X 83"	**19**

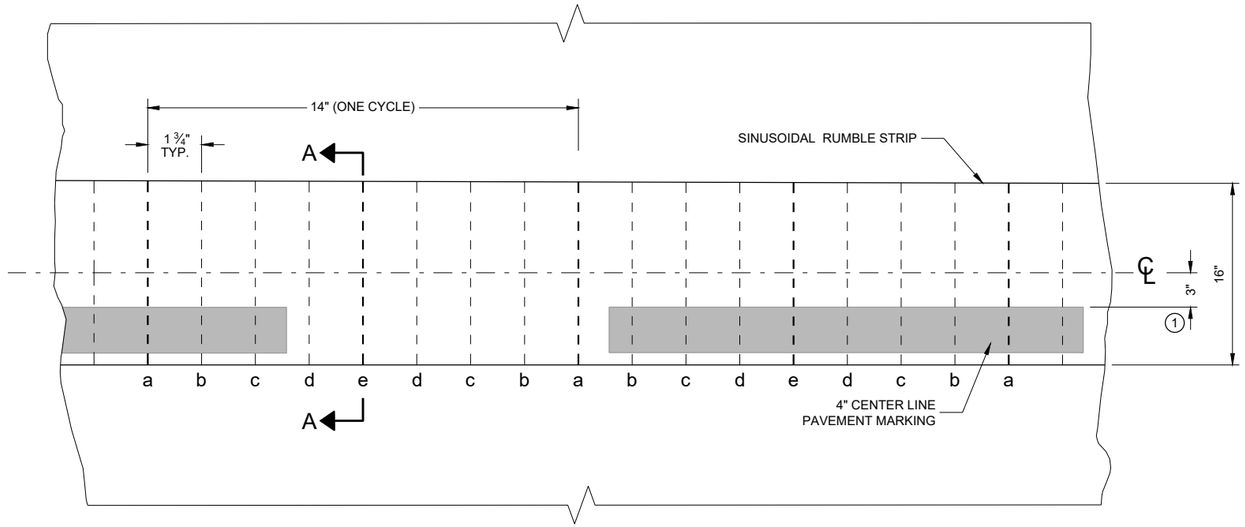
SEE SDD 8E15 FOR PLACEMENT OF ROCK BAGS AT END OF CULVERT PIPE



DETAIL FOR EROSION MAT FOR DITCHES



DETAIL FOR EROSION MAT ALONG ROADWAYS



PLAN VIEW
SINUSOIDAL CENTER LINE RUMBLE STRIPS

GENERAL NOTES

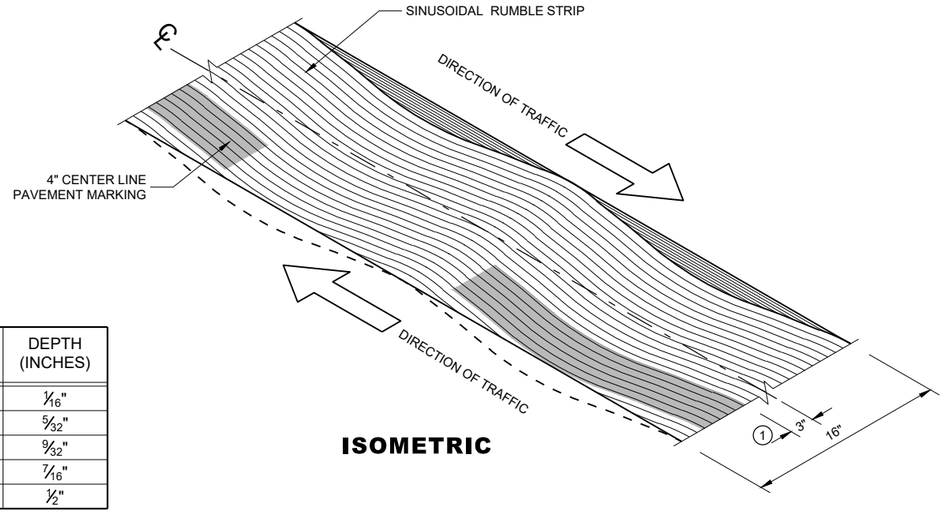
DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

GAP SINUSOIDAL RUMBLE STRIPS AT INTERSECTIONS, BRIDGE AND APPROACH SLABS, RAILROADS, DRIVEWAYS, PASSING AND CLIMBING LANES, AND OTHER MISCELLANEOUS CROSSINGS

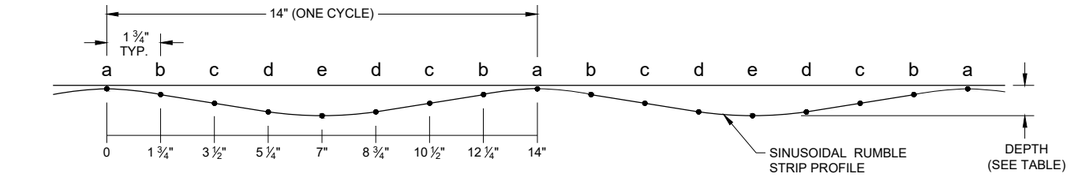
SHOULDER RUMBLE STRIPS MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.

TEMPORARY PAVEMENT MARKINGS ARE TYPICALLY PLACED PRIOR TO RUMBLE STRIP INSTALLATION. PERMANENT MARKINGS ARE INSTALLED AFTER RUMBLE STRIP INSTALLATION.

(1) REFER TO SDD 15C8 - SHEET "a" LONGITUDINAL MARKINGS (MAINLINE).

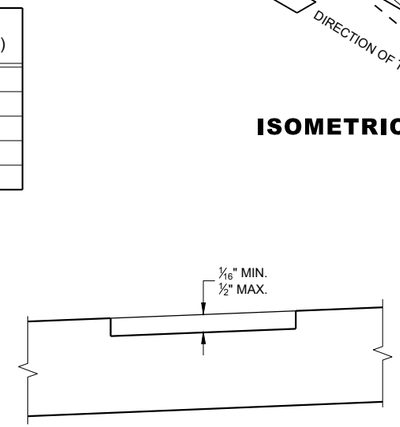


ISOMETRIC

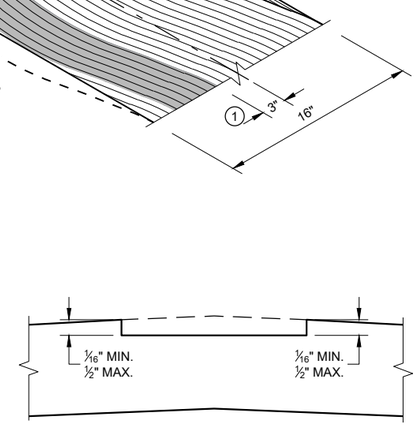


LOCATION	DEPTH (INCHES)
a	1/16"
b	5/32"
c	9/32"
d	7/16"
e	1/2"

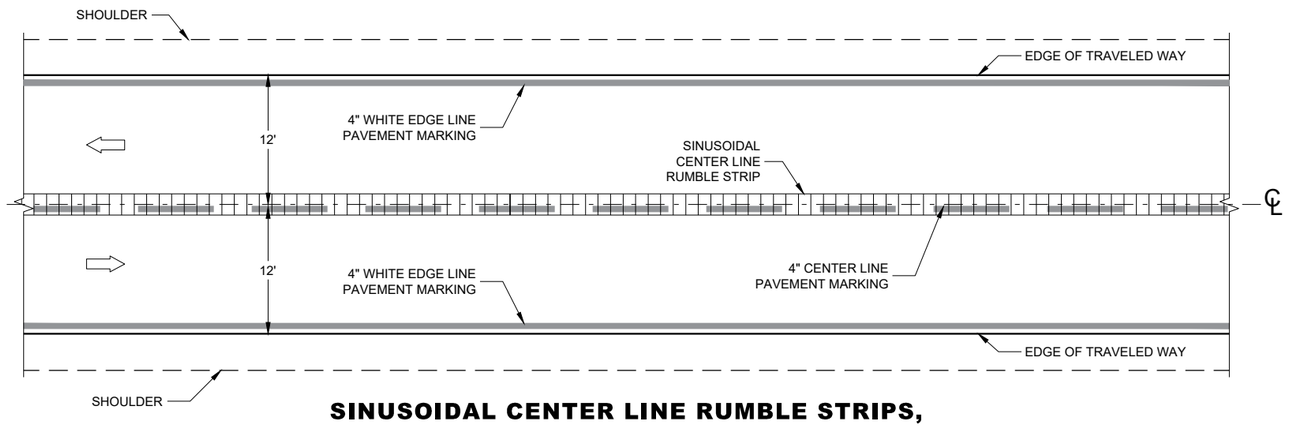
PROFILE VIEW
SINUSOIDAL SHOULDER RUMBLE STRIPS



SECTION A - A
SUPERELEVATED ROADWAY



SECTION A - A
CROWNED ROADWAY



SINUSOIDAL CENTER LINE RUMBLE STRIPS,
2-LANE ASPHALTIC ROADWAY

2

GENERAL NOTES

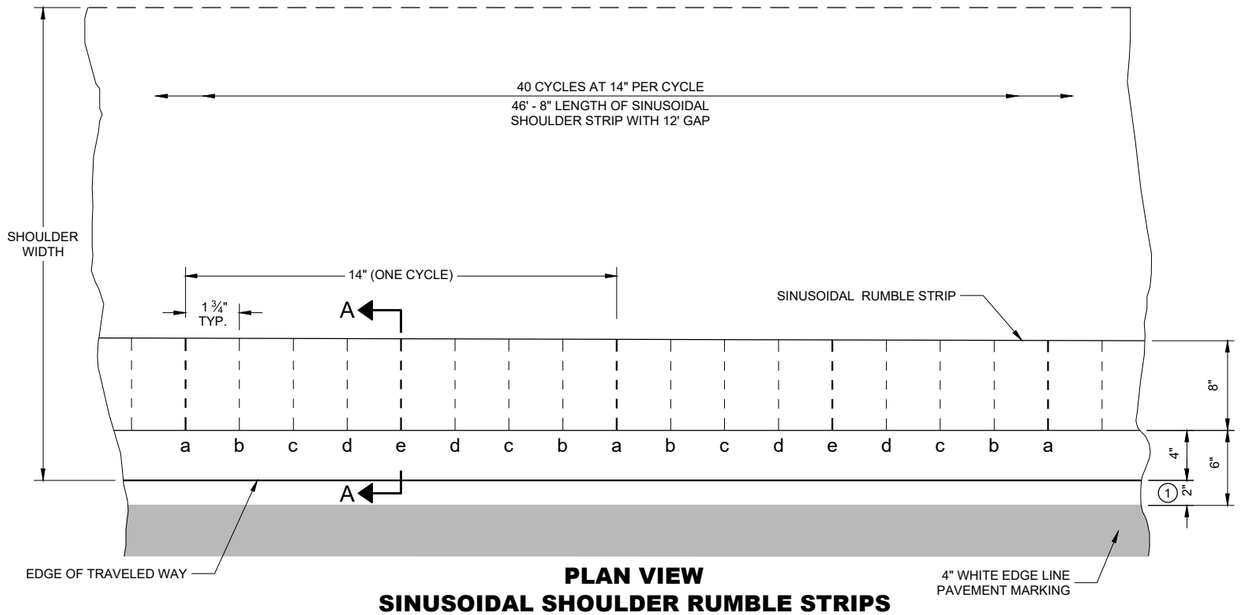
DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

GAP SINUSOIDAL RUMBLE STRIPS AT INTERSECTIONS, BRIDGE AND APPROACH SLABS, RAILROADS, DRIVEWAYS, PASSING AND CLIMBING LANES, AND OTHER MISCELLANEOUS CROSSINGS

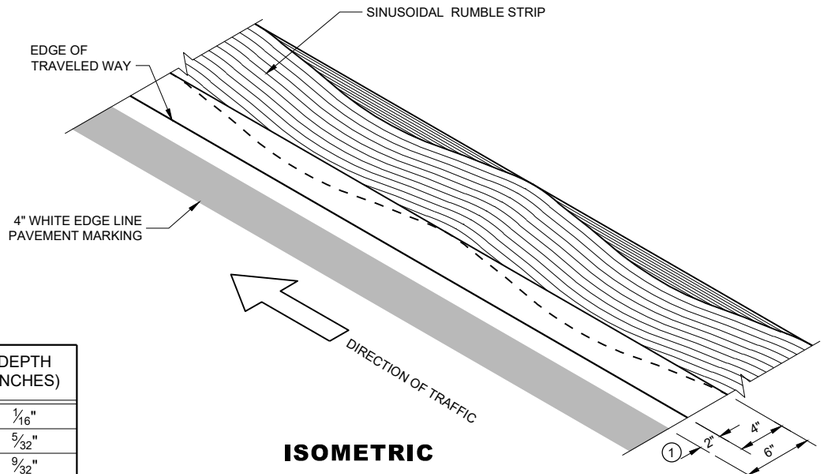
SHOULDER RUMBLE STRIPS MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.

TEMPORARY PAVEMENT MARKINGS ARE TYPICALLY PLACED PRIOR TO RUMBLE STRIP INSTALLATION. PERMANENT MARKINGS ARE INSTALLED AFTER RUMBLE STRIP INSTALLATION.

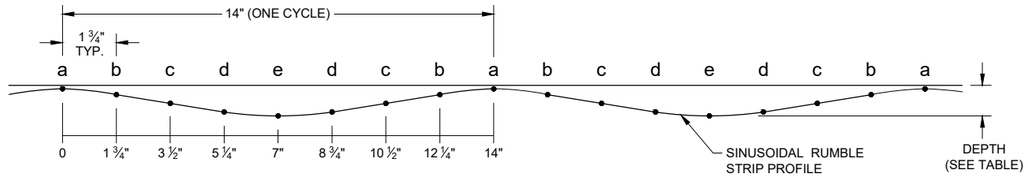
(1) REFER TO SDD 15C8 - SHEET "a" LONGITUDINAL MARKINGS (MAINLINE).



PLAN VIEW
SINUSOIDAL SHOULDER RUMBLE STRIPS

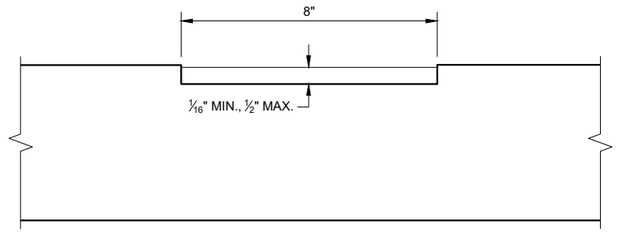


ISOMETRIC

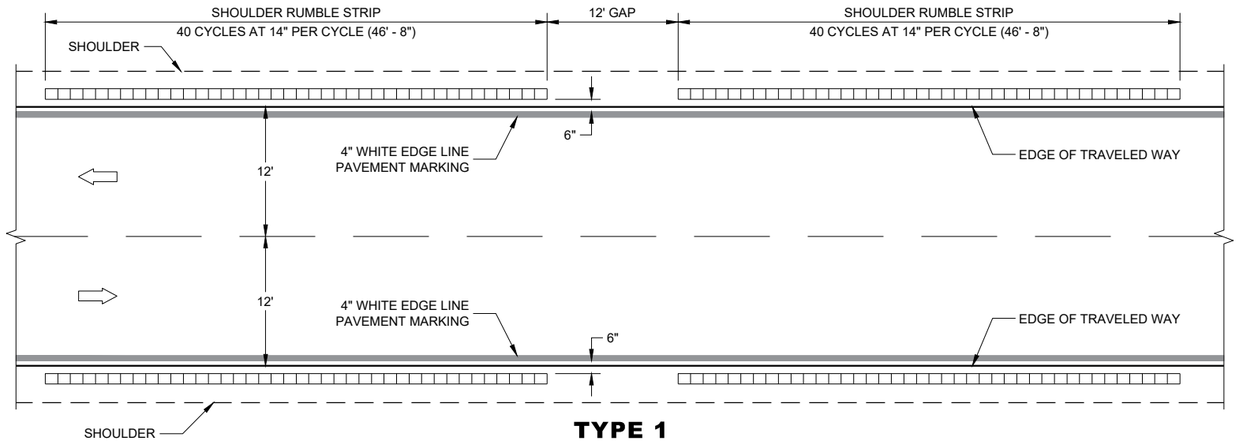


PROFILE VIEW
SINUSOIDAL SHOULDER RUMBLE STRIPS

LOCATION	DEPTH (INCHES)
a	1/16"
b	5/32"
c	9/32"
d	7/16"
e	1/2"

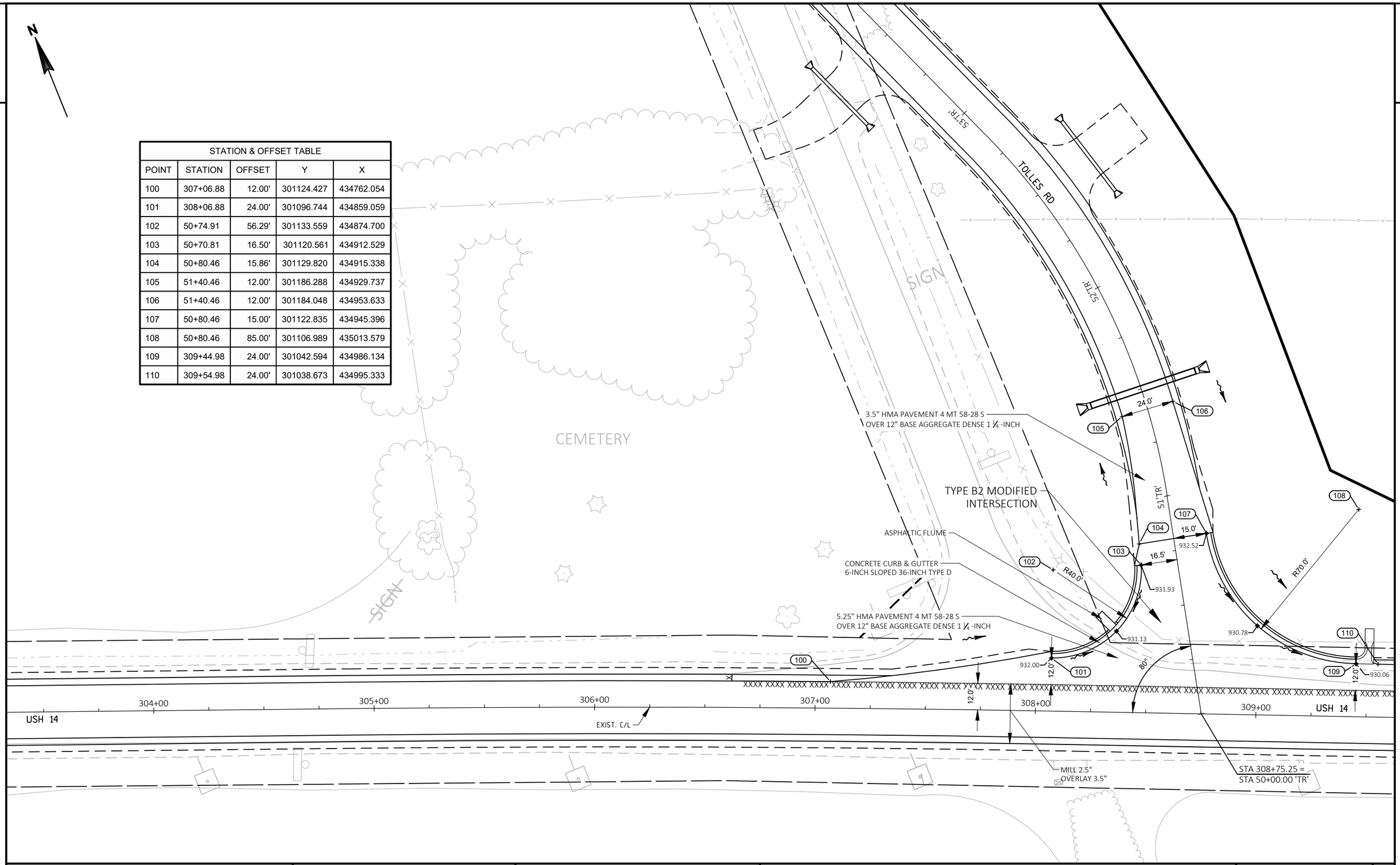


SECTION A - A



TYPE 1
SINUSOIDAL SHOULDER RUMBLE STRIPS,
2-LANE ASPHALTIC ROADWAY

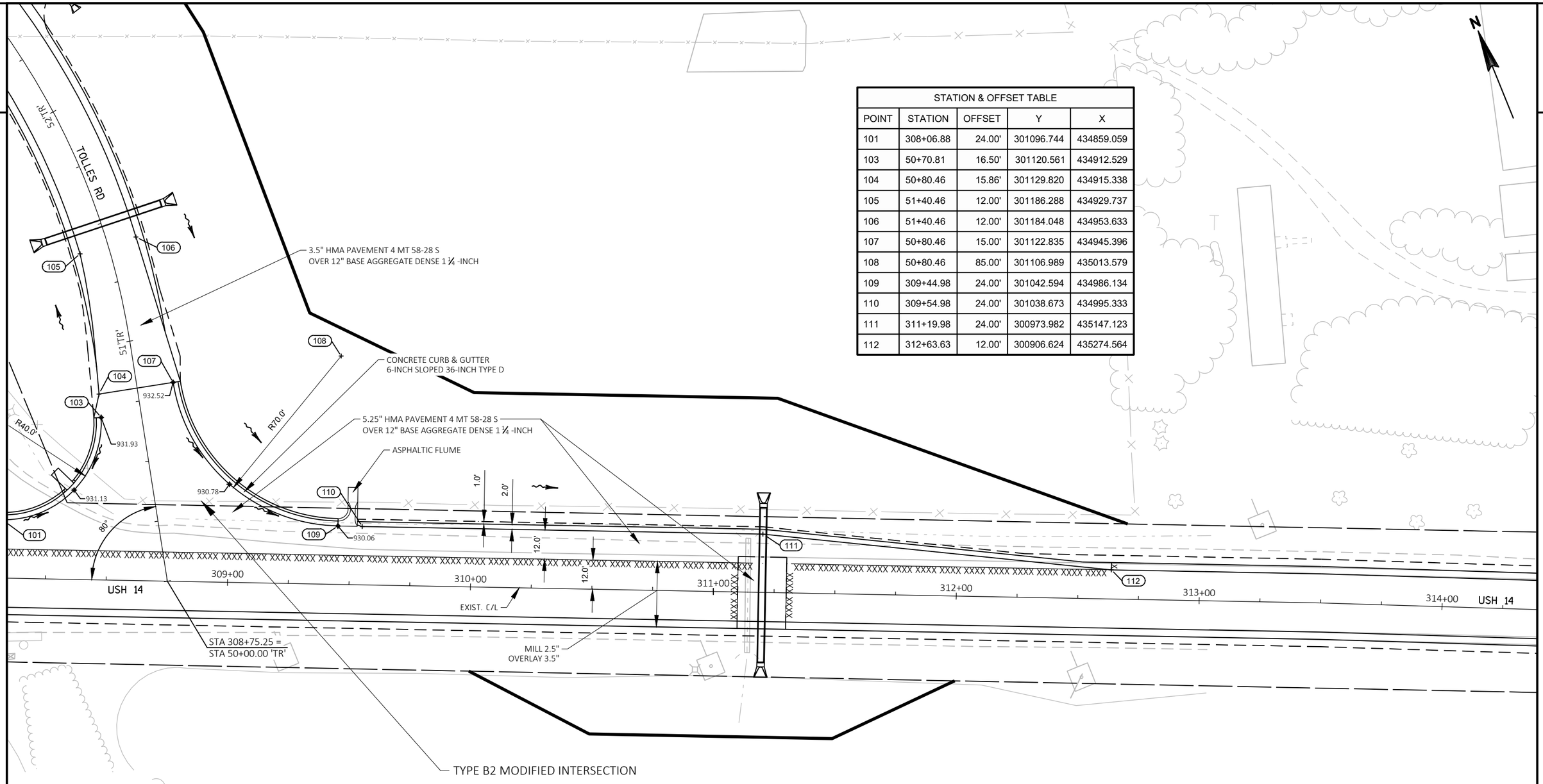
STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
100	307+06.88	12.00'	301124.427	434762.054
101	308+06.88	24.00'	301096.744	434859.059
102	50+74.91	56.29'	301133.559	434874.700
103	50+70.81	16.50'	301120.561	434912.529
104	50+80.46	15.86'	301129.820	434915.338
105	51+40.46	12.00'	301186.288	434929.737
106	51+40.46	12.00'	301184.048	434953.633
107	50+80.46	15.00'	301122.835	434945.396
108	50+80.46	85.00'	301106.989	435013.579
109	309+44.98	24.00'	301042.594	434986.134
110	309+54.98	24.00'	301038.673	434995.333



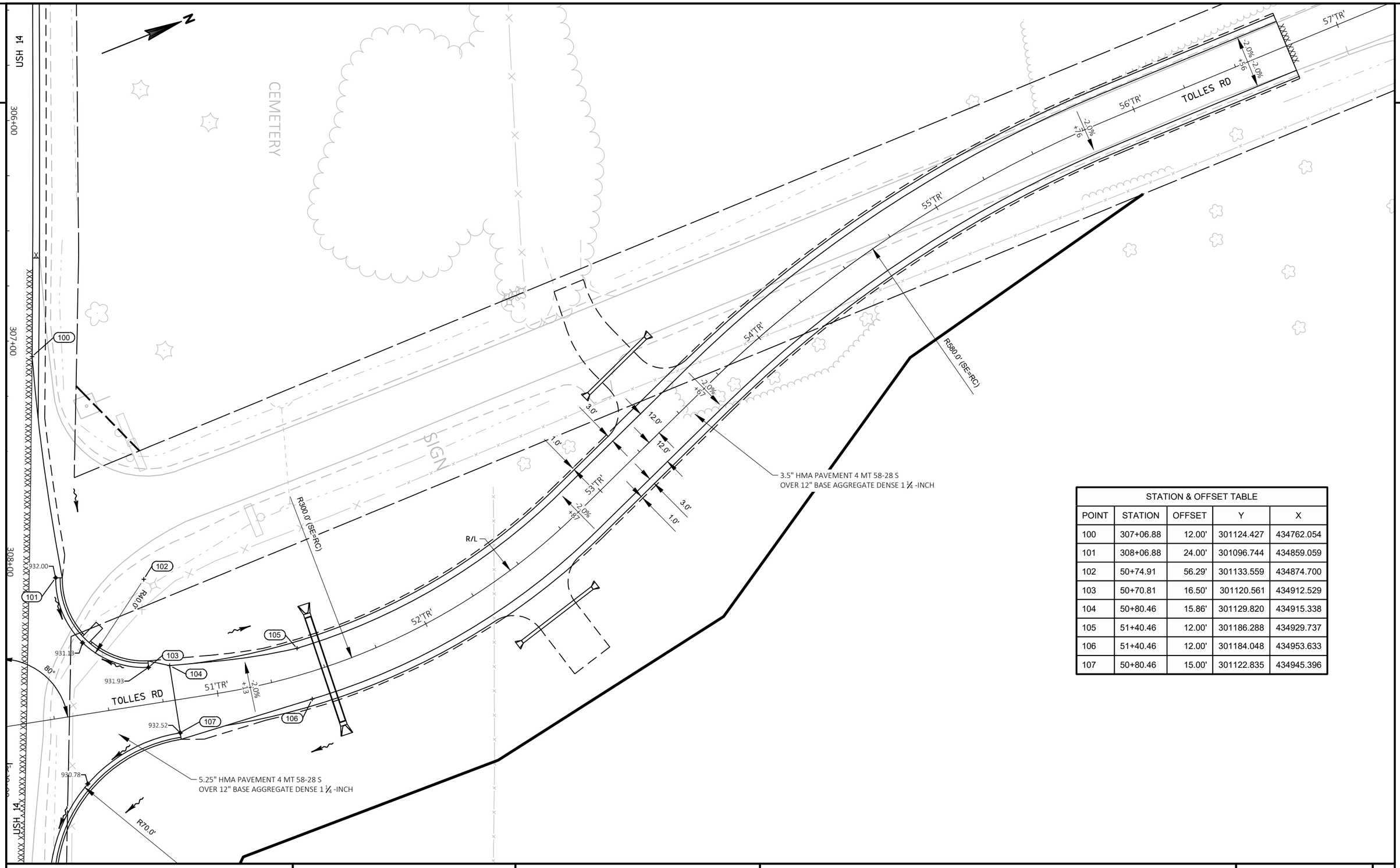
PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	INTERSECTION DETAILS	SHEET 33	E

2

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
101	308+06.88	24.00'	301096.744	434859.059
103	50+70.81	16.50'	301120.561	434912.529
104	50+80.46	15.86'	301129.820	434915.338
105	51+40.46	12.00'	301186.288	434929.737
106	51+40.46	12.00'	301184.048	434953.633
107	50+80.46	15.00'	301122.835	434945.396
108	50+80.46	85.00'	301106.989	435013.579
109	309+44.98	24.00'	301042.594	434986.134
110	309+54.98	24.00'	301038.673	434995.333
111	311+19.98	24.00'	300973.982	435147.123
112	312+63.63	12.00'	300906.624	435274.564

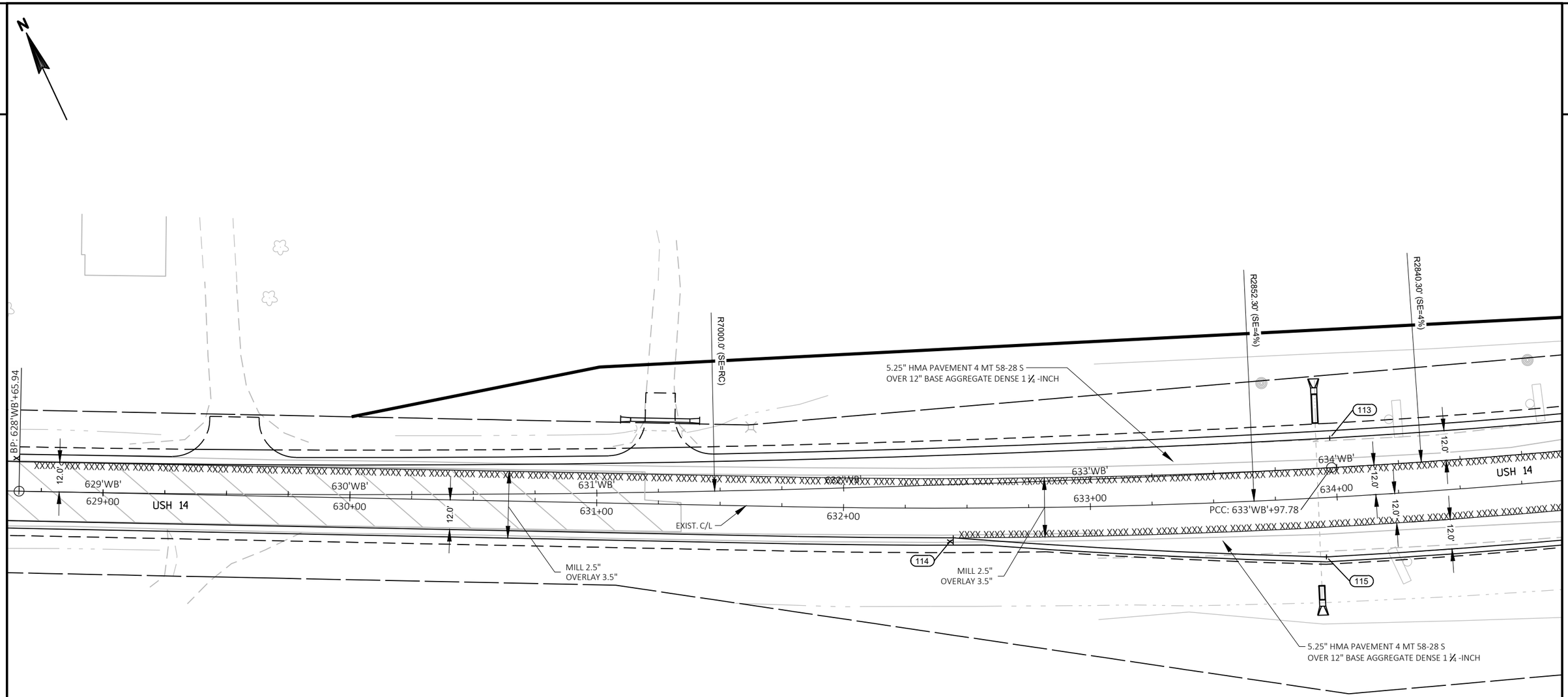


PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	INTERSECTION DETAILS	SHEET 34	E



STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
100	307+06.88	12.00'	301124.427	434762.054
101	308+06.88	24.00'	301096.744	434859.059
102	50+74.91	56.29'	301133.559	434874.700
103	50+70.81	16.50'	301120.561	434912.529
104	50+80.46	15.86'	301129.820	434915.338
105	51+40.46	12.00'	301186.288	434929.737
106	51+40.46	12.00'	301184.048	434953.633
107	50+80.46	15.00'	301122.835	434945.396

2



STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
113	633+97.78'WB'	12.00' LT	286704.917	463830.083
114	632+44.38'WB'	12.00' RT	286732.760	463674.743
115	633+94.38'WB'	24.00' RT	286661.849	463808.516

2

N

CTH H

R345.0'

121

122

120

3" ASPHALTIC SURFACE SAFETY ISLANDS OVER BASE AGGRGATE DENSE 1 ¼-INCH

ASPHALTIC FLUME

ROUND ISLAND CORNER PER SDD 9A1 (TYP)

TYPE A2 INTERSECTION (MODIFIED)

ASPHALTIC FLUME

5.25" HMA PAVEMENT 4 MT 58-28 S OVER 12" BASE AGGREGATE DENSE 1 ¼ -INCH

118

R50.0'

119

889.85

890.17

890.12

138

188

R100.0'

889.95

R2852.30' (SE=4%)

R2840.30' (SE=4%)

CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D

CONC. CURB TYPE J (TYP)

123

889.95

124

R50.0'

CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D

137

890.62

890.50

136

R2.5'

890.66

890.60

117

890.40

R2.5'

890.51

891.05

125

3.0'

3.0'

12.0'

2.0'

1.0'

635'WB'

636'WB'

637'WB'

638'WB'

639'WB'

640'WB'

641

USH 14

635+00

636+00

637+00

638+00

639+00

640+00

641+

STA. 636+18

EXIST. C/L

STA 638+04.02 = STA 130+00.00 'H'

75°57'25" TO TAN.

116

135

4.0%

4.0%

892.26

126

892.09

R2.5'

892.42

892.31

892.33

R2.5'

892.96

134

139

140

892.31

MILL 2.5" OVERLAY 3.5"

CONC. CURB TYPE J (TYP)

189

892.03

CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D

R100.0'

891.66

R50.0'

R50.0'

CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D

128

891.74

891.79

891.40

141

133

127

891.29

132

R1.5'

ASPHALTIC FLUME

891.28

ASPHALTIC FLUME

5.25" HMA PAVEMENT 4 MT 58-28 S OVER 12" BASE AGGREGATE DENSE 1 ¼ -INCH

129'H'

3" ASPHALTIC SURFACE SAFETY ISLANDS OVER BASE AGGRGATE DENSE 1 ¼-INCH

891.35

131

193

194

891.52

R300.0'

ROUND ISLAND CORNER PER SDD 9A1 (TYP)

130

129

CTH H

891.77

192

191

143

HSE

SIGN

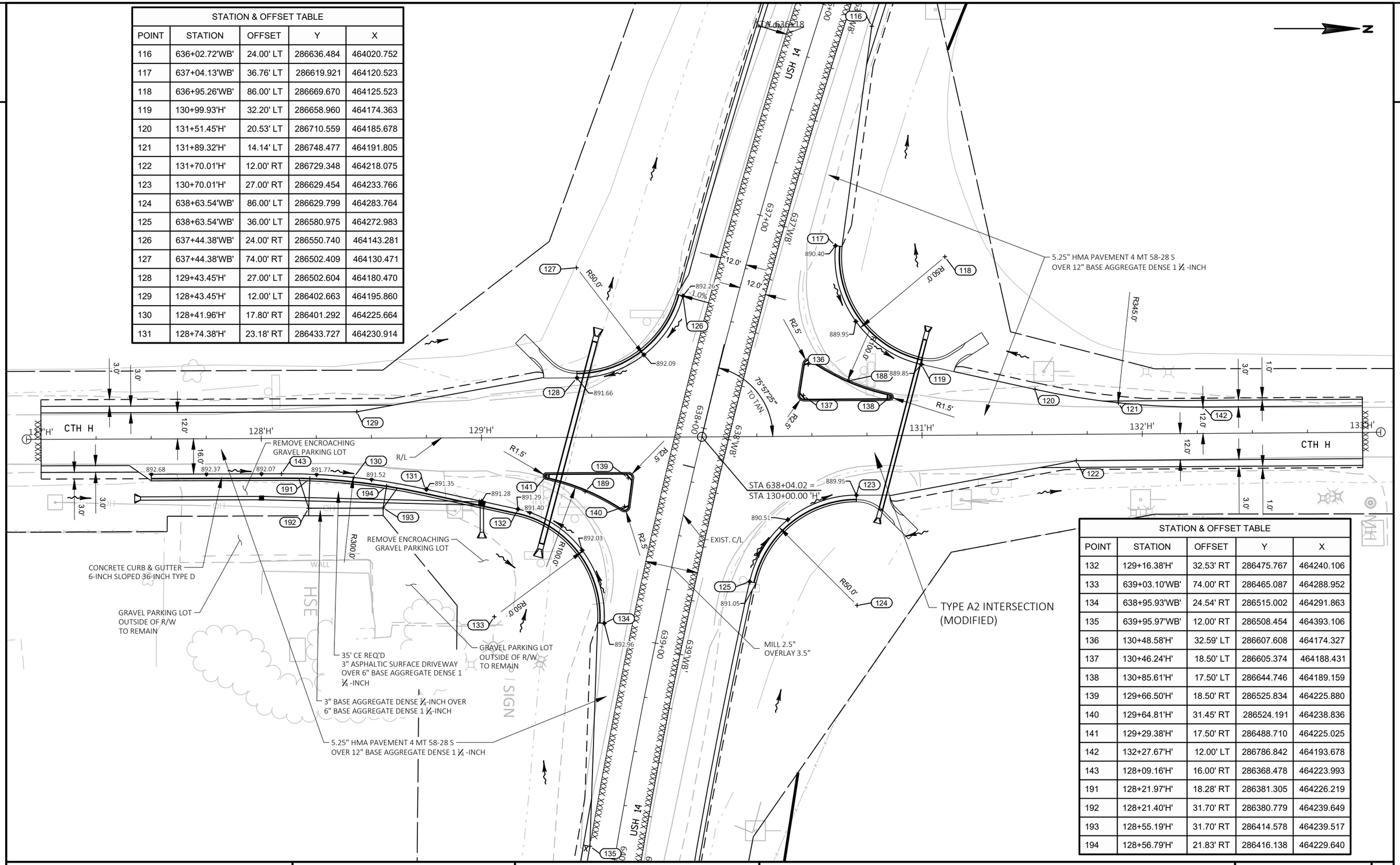
STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
116	636+02.72'WB'	24.00' LT	286636.484	464020.752
117	637+04.13'WB'	36.76' LT	286619.921	464120.523
118	636+95.26'WB'	86.00' LT	286669.670	464125.523
119	130+99.93'H'	32.20' LT	286658.960	464174.363
120	131+51.45'H'	20.53' LT	286710.559	464185.678
121	131+89.32'H'	14.14' LT	286748.477	464191.805
122	131+70.01'H'	12.00' RT	286729.348	464218.075
123	130+70.01'H'	27.00' RT	286629.454	464233.766
124	638+63.54'WB'	86.00' LT	286629.799	464283.764
125	638+63.54'WB'	36.00' LT	286580.975	464272.983
126	637+44.38'WB'	24.00' RT	286550.740	464143.281
127	637+44.38'WB'	74.00' RT	286502.409	464130.471
128	129+43.45'H'	27.00' LT	286502.604	464180.470
129	128+43.45'H'	12.00' LT	286402.663	464195.860
130	128+41.96'H'	17.80' RT	286401.292	464225.664

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
131	128+74.38'H'	23.18' RT	286433.727	464230.914
132	129+16.38'H'	32.53' RT	286475.767	464240.106
133	639+03.10'WB'	74.00' RT	286465.087	464288.952
134	638+95.93'WB'	24.54' RT	286515.002	464291.863
135	639+95.97'WB'	12.00' RT	286508.454	464393.106
136	130+48.58'H'	32.59' LT	286607.608	464174.327
137	130+46.24'H'	18.50' LT	286605.374	464188.431
138	130+85.61'H'	17.50' LT	286644.746	464189.159
139	129+66.50'H'	18.50' RT	286525.834	464225.880
140	129+64.81'H'	31.45' RT	286524.191	464238.836
141	129+29.38'H'	17.50' RT	286488.710	464225.025
188	130+67.19'H'	25.02' LT	286626.276	464181.761
189	129+46.93'H'	24.63' RT	286506.284	464232.087

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	INTERSECTION DETAILS	SHEET 37	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 05
PLOT DATE : 1/28/2020 11:24 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
116	636+02.72'WB'	24.00' LT	286636.484	464020.752
117	637+04.13'WB'	36.76' LT	286619.921	464120.523
118	636+95.26'WB'	86.00' LT	286669.670	464125.523
119	130+99.93'H'	32.20' LT	286658.960	464174.363
120	131+51.45'H'	20.53' LT	286710.559	464185.678
121	131+89.32'H'	14.14' LT	286748.477	464191.805
122	131+70.01'H'	12.00' RT	286729.348	464218.075
123	130+70.01'H'	27.00' RT	286629.454	464233.766
124	638+63.54'WB'	86.00' LT	286629.799	464283.764
125	638+63.54'WB'	36.00' LT	286580.975	464272.983
126	637+44.38'WB'	24.00' RT	286550.740	464143.281
127	637+44.38'WB'	74.00' RT	286502.409	464130.471
128	129+43.45'H'	27.00' LT	286502.604	464180.470
129	128+43.45'H'	12.00' LT	286402.663	464195.860
130	128+41.96'H'	17.80' RT	286401.292	464225.664
131	128+74.38'H'	23.18' RT	286433.727	464230.914



STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
132	129+16.38'H'	32.53' RT	286475.767	464240.106
133	639+03.10'WB'	74.00' RT	286465.087	464288.952
134	638+95.93'WB'	24.54' RT	286515.002	464291.863
135	639+95.97'WB'	12.00' RT	286508.454	464393.106
136	130+48.58'H'	32.59' LT	286607.608	464174.327
137	130+46.24'H'	18.50' LT	286605.374	464188.431
138	130+85.61'H'	17.50' LT	286644.746	464189.159
139	129+66.50'H'	18.50' RT	286525.834	464225.880
140	129+64.81'H'	31.45' RT	286524.191	464238.836
141	129+29.38'H'	17.50' RT	286488.710	464225.025
142	132+27.67'H'	12.00' LT	286786.842	464193.678
143	128+09.16'H'	16.00' RT	286368.478	464223.993
191	128+21.97'H'	18.28' RT	286381.305	464226.219
192	128+21.40'H'	31.70' RT	286380.779	464239.649
193	128+55.19'H'	31.70' RT	286414.578	464239.517
194	128+56.79'H'	21.83' RT	286416.138	464229.640

2

N

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
144	642+09.51'WB'	24.00' LT	286527.325	464614.154
145	643+58.60'WB'	12.00' LT	286503.605	464761.325

2019 EMERGENCY ASPHALT OVERLAY

5.25" HMA PAVEMENT 4 MT 58-28 S
OVER 12" BASE AGGREGATE DENSE 1 ¼ -INCH

R2840.30' (SE=4%)

R2852.30' (SE=4%)

PCC: 642'WB'+34.24

R7000.00' (SE=RC)

1.0'

2.0'

12.0'

3.0'

144

145

641'WB'

642'WB'

643'WB'

644'WB'

645'WB'

646'WB'

647'WB'

641+00

642+00

643+00

644+00

645+00

646+00

647+00

USH 14

EXIST. C/L

MILL 2.5"
OVERLAY 3.5"

SIGN

BLDG

HSE

SEPV

EP: 647'WB'+66.07

648+00

649+00

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	INTERSECTION DETAILS	SHEET 39	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 07

PLOT DATE : 1/28/2020 11:24 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

MILL 2.5"
OVERLAY 3.5"

USH 14

800+00

801+00

EXIST. C/L

802+00

803+00

804+00

805+00

USH 14

146

3.0'

3.0'

2.0'

12.0'

12.0'

1.0'

2.0'

SIGN

SIGN

SIGN

5.25" HMA PAVEMENT 4 MT 58-28 S
OVER 12" BASE AGGREGATE DENSE 1 ¼ -INCH

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
146	799+55.13	12.00' RT	286338.110	480351.052

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	INTERSECTION DETAILS	SHEET 40	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 08

PLOT DATE : 1/28/2020 11:24 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
147	809+72.42	45.30' RT	286295.001	481367.970
148	809+70.78	95.27' RT	286245.046	481365.852
149	202+22.00'E'	27.00' LT	286257.520	481414.271
150	201+21.19'E'	12.00' LT	286163.281	481457.041
151	201+19.82'E'	24.00' RT	286174.528	481491.266
152	202+07.20'E'	32.50' RT	286258.036	481475.585
153	202+19.44'E'	17.50' RT	286266.146	481458.002
154	202+59.75'E'	18.50' RT	286305.432	481448.913
155	202+58.74'E'	26.60' RT	286306.477	481457.008
156	811+30.37	80.00' RT	286258.779	481525.580
157	811+22.92	30.56' RT	286308.289	481518.604

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
158	808+90.88	17.75' LT	286358.829	481287.045
159	809+50.88	24.00' LT	286364.505	481347.103
160	809+50.88	64.00' LT	286404.503	481347.489
161	203+80.99'RBN'	15.00' LT	286414.483	481386.224
162	203+80.99'RBN'	15.00' RT	286421.967	481415.275
163	810+87.78	94.00' LT	286433.181	481484.672
164	810+87.78	24.00' LT	286363.184	481483.997
165	811+77.78	18.00' LT	286356.317	481573.935
166	204+10.99'RBN'	12.00' LT	286444.282	481381.644
167	204+10.99'RBN'	12.00' RT	286450.270	481404.885
190	202+39.00'E'	22.01' RT	286286.213	481457.492

N

+75

330' (55 MPH) TAPER, SPLIT 12' EVENLY ABOUT CENTERLINE

+05

806+00 807+00 808+00 809+00 810+00 811+00

USH 14

USH 14

EXIST. C/L

12.0'

12.0'

12.0'

3"

2.0'

1.0'

5.25" HMA PAVEMENT 4 MT 58-28 S
OVER 12" BASE AGGREGATE DENSE 1 ¼ -INCH

3" ASPHALTIC SURFACE SAFETY ISLANDS OVER BASE
AGGRGATE DENSE 1 ¼-INCH

SIGN

SIGN

SIGN

N ROBINSON LN

220.11'RBN'

505.11'RBN'

3.5" HMA PAVEMENT 4 MT 58-28 S
OVER 12" BASE AGGREGATE DENSE 1 ¼ -INCH

TYPE C INTERSECTION

R70.0'

R40.0'

5.25" HMA PAVEMENT 4 MT 58-28 S
OVER 12" BASE AGGREGATE DENSE 1 ¼ -INCH

STA 810+24.97 =
STA 203+00.00 'RBN'

75°

CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH TYPE D

CONC. CURB
TYPE J (TYP)

R50.0'

ASPHALTIC FLUME

5.25" HMA PAVEMENT 4 MT 58-28 S
OVER 12" BASE AGGREGATE DENSE 1 ¼ -INCH

R2.5'

R2.5'

R100.0'

MILL 2.5"
OVERLAY 3.5"

CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH TYPE D

R50.0'

R1.5'

ASPHALTIC FLUME

ROUND ISLAND CORNER
PER SDD 9A1 (TYP)

TYPE A2 INTERSECTION
(MODIFIED)

207.1'

2.0%
S 06°

12'

4.0%
S 04°

CTH E

R = 550.00' (4% SE)

12'

201.1'

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	INTERSECTION DETAILS	SHEET 41 E

N

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
147	809+72.42	45.30' RT	286295.001	481367.970
148	809+70.78	95.27' RT	286245.046	481365.852
149	202+22.00'E'	27.00' LT	286257.520	481414.271
150	201+21.19'E'	12.00' LT	286163.281	481457.041
151	201+19.82'E'	24.00' RT	286174.528	481491.266
152	202+07.20'E'	32.50' RT	286258.036	481475.585
153	202+19.44'E'	17.50' RT	286266.146	481458.002
154	202+59.75'E'	18.50' RT	286305.432	481448.913
155	202+58.74'E'	26.60' RT	286306.477	481457.008
156	811+30.37	80.00' RT	286258.779	481525.580
157	811+22.92	30.56' RT	286308.289	481518.604
159	809+50.88	24.00' LT	286364.505	481347.103
160	809+50.88	64.00' LT	286404.503	481347.489
161	203+80.99'RBN'	15.00' LT	286414.483	481386.224
162	203+80.99'RBN'	15.00' RT	286421.967	481415.275

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
163	810+87.78	94.00' LT	286433.181	481484.672
164	810+87.78	24.00' LT	286363.184	481483.997
165	811+77.78	18.00' LT	286356.317	481573.935
166	204+10.99'RBN'	12.00' LT	286444.282	481381.644
167	204+10.99'RBN'	12.00' RT	286450.270	481404.885
168	812+23.42	18.00' RT	286319.878	481619.220
190	202+39.00'E'	22.01' RT	286286.213	481457.492

TYPE A2 INTERSECTION (MODIFIED)

TYPE C INTERSECTION

5.25" HMA PAVEMENT 4 MT 58-28 S OVER 12" BASE AGGREGATE DENSE 1 ¼ -INCH

3.5" HMA PAVEMENT 4 MT 58-28 S OVER 12" BASE AGGREGATE DENSE 1 ¼ -INCH

MILL 2.5" OVERLAY 3.5"

5.25" HMA PAVEMENT 4 MT 58-28 S OVER 12" BASE AGGREGATE DENSE 1 ¼ -INCH

STA 810+24.97 = STA 203+00.00 'RBN'

USH 14

N ROBINSON LN

CTH E

SIGN

HH

R/L

EXIST. C/L

R = 550.00' (4% SE)

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	INTERSECTION DETAILS	SHEET 42	E

2

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
165	811+77.78	18.00' LT	286356.317	481573.935
168	812+23.42	18.00' RT	286319.878	481619.220
169	816+45.48	13.08' LT	286349.867	482041.484
172	816+31.92	18.00' RT	286318.815	482027.849

2019 EMERGENCY
ASPHALT OVERLAY

5.25" HMA PAVEMENT 4 MT 58-28 S
OVER 12" BASE AGGREGATE DENSE 1 ¼ -INCH

VARY SHOULDER PAVING 5'-11'

2.0'

5.0'

165

169

812+00

813+00

814+00

815+00

816+00

817+00

USH 14

12.0'

EXIST. C/L

USH 14

12.0'

172

168

MILL 2.5"
OVERLAY 3.5"

1.0'

5.0'

5.25" HMA PAVEMENT 4 MT 58-28 S
OVER 12" BASE AGGREGATE DENSE 1 ¼ -INCH

330' (55 MPH) TAPER, SPLIT 12' EVENLY ABOUT CENTERLINE

+75

+05

SIGN

MH

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	INTERSECTION DETAILS	SHEET 43	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 11

PLOT DATE : 1/28/2020 11:25 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

HACKBARTH RD

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
169	816+45.48	13.08' LT	286349.867	482041.484
173	819+02.47	17.00' RT	286319.179	482298.406
174	821+89.72	16.81' LT	286352.314	482585.733

2019 EMERGENCY ASPHALT OVERLAY

MILL AND OVERLAY TO MATCH EXISTING RADIUS

XXXX XXXX

3.5" HMA PAVEMENT 4 MT 58-28 S
OVER 2" BASE AGGREGATE DENSE 1 ¼ -INCH

MILL AND OVERLAY TO MATCH WB RIGHT TURN LANE

169

174

USH 14

12.0'

12.0'

817+00

818+00

819+00

820+00

821+00

822+00

USH 14

EXIST. C/L

173

MILL 2.5"
OVERLAY 3.5"

3.5" HMA PAVEMENT 4 MT 58-28 S
OVER 2" BASE AGGREGATE DENSE 1 ¼ -INCH

MH

XXXX XXXX

HACKBARTH RD

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	INTERSECTION DETAILS	SHEET 44	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 12

PLOT DATE : 1/28/2020 11:25 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

RESURFACING OF CTH F BY OTHERS UNDER PROJECT 5798-01-03

4" HMA PAVEMENT 4 MT 58-28 S OVER 12" BASE AGGREGATE DENSE 1 ¼ -INCH

ASPHALTIC FLUME

TYPE B1 INTERSECTION (MODIFIED)

CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D

5.25" HMA PAVEMENT 4 MT 58-28 S OVER 12" BASE AGGREGATE DENSE 1 ¼ -INCH

CTH F

R/L

R40.0'

R60.0'

899.42

899.45

899.74

899.60

899.79

900.01

90°14'32"

260+00.00 'F'

STA 874+98.28 = STA 260+00.00 'F'

EXIST. C/L

USH 14

873+00 874+00 875+00 876+00 877+00 878+00

MILL AND OVERLAY TO MATCH EXISTING SHOULDER AND RADII (TYP)

MILL 2.5" OVERLAY 3.5"

N CRYSTAL SPRING RD

2019 EMERGENCY ASPHALT OVERLAY

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
177	873+58.55	15.00' LT	286391.022	487754.243
178	874+38.55	24.00' LT	286400.653	487834.169
179	260+63.75'F'	20.00' LT	286440.799	487873.853
180	261+14.10'F'	15.00' LT	286491.174	487878.668
181	261+14.32'F'	15.00' RT	286491.498	487908.667
182	260+84.32'F'	15.00' RT	286461.498	487908.778
183	874+38.55	64.00' LT	286440.652	487833.854
184	875+73.64	84.00' LT	286461.718	487968.777
185	875+73.64	24.00' LT	286401.720	487969.251

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
186	878+73.64	24.00' LT	286404.089	488269.242
187	880+23.64	12.00' LT	286393.274	488419.332

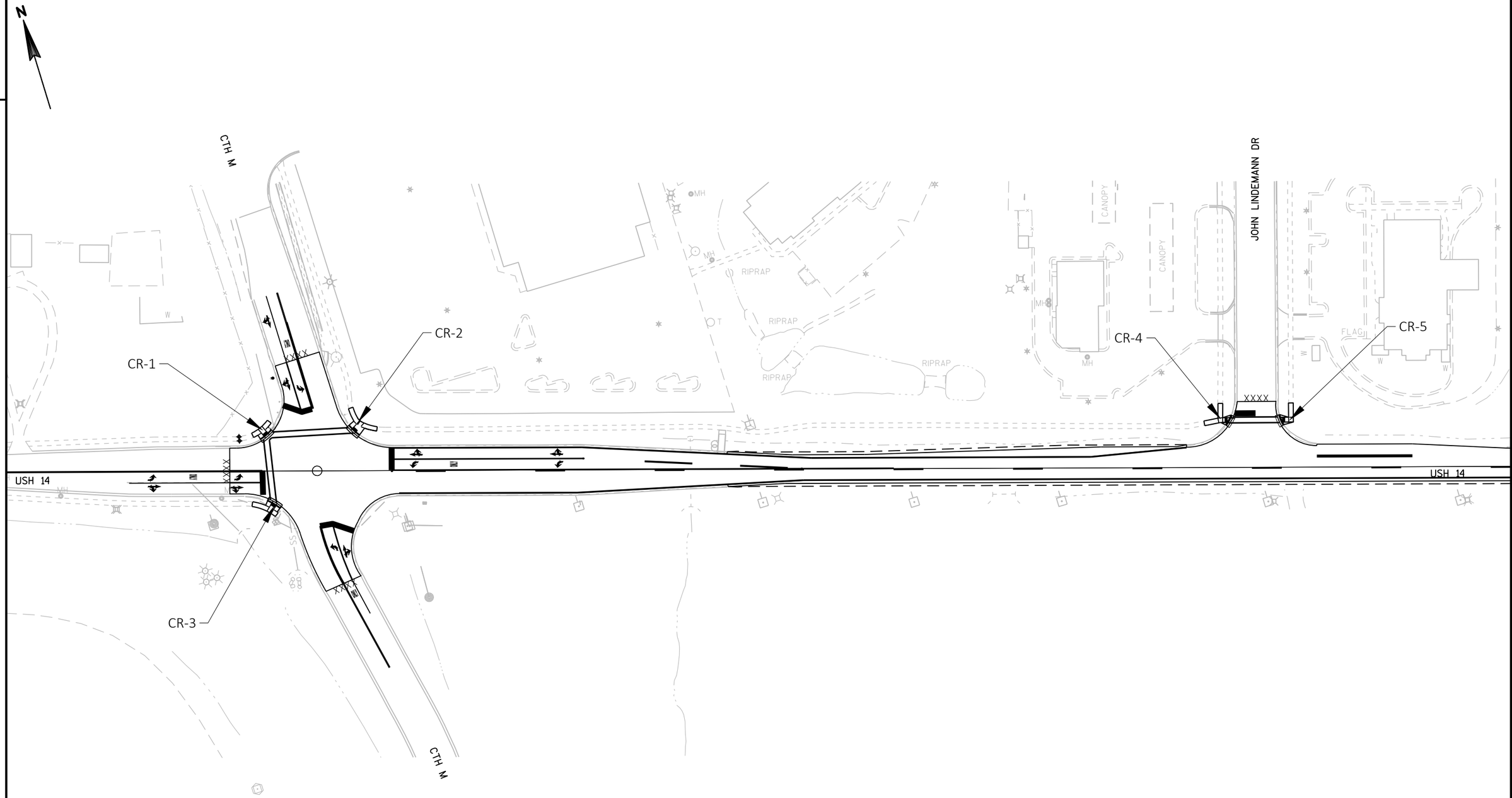
879+00 880+00 881+00 882+00 883+00 884+00

2019 EMERGENCY ASPHALT OVERLAY

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	INTERSECTION DETAILS	SHEET 45	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 13
PLOT DATE : 1/28/2020 11:25 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN DETAILS - CURB RAMPS	SHEET 46	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\021201_PD - CURB RAMPS.DWG
LAYOUT NAME - Overview

PLOT DATE : 1/31/2020 11:03 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########

2

FLARES SHALL BE 10:1 OR FLATTER

CR-1
CURB RAMP TYPE 1

210+19.52, -53.25' LT
EL. 912.71

210+23.57, -50.31' LT
EL. 912.64

CONCRETE SIDEWALK 4-INCH
OVER 6" BASE AGGREGATE DENSE 3/4-INCH

210+13.86, -46.93' LT
EL. 912.60

EL. 912.52

EXISTING INLET
TO REMAIN

R41.66'

210+09.96, -43.79' LT
EL. 912.62

210+17.12, -43.14' LT

210+25.26, -41.97' LT

210+03.07, -39.82' LT
EL. 912.86

210+13.24, -39.99' LT

EL. 912.54

210+20.25, -39.55' LT
EL. 912.18

CURB RAMP DETECTABLE
WARNING FIELD (YELLOW)
(2 - 2' x 2.5' PANELS)

210+16.42, -36.26' LT
EL. 912.20

210+05.14, -35.27' LT
EL. 912.76

5.25" HMA PAVEMENT 4 MT 58-28 S
OVER 2" BASE AGGREGATE DENSE 1 ¼ -INCH

CONCRETE CURB & GUTTER
30-INCH TYPE D

210+13.30, -31.66' LT

MILL & OVERLAY 3.5" TO MATCH
EXISTING FLAGLINE ELEVATION
(SEE DETAIL)

CTH M

USH 14

CR-2
CURB RAMP TYPE 1

211+04.42, -64.98' LT
EL. 913.28

211+09.17, -66.56' LT
EL. 913.38

CONCRETE SIDEWALK 4-INCH
OVER 6" BASE AGGREGATE DENSE 3/4-INCH

R35.00'

R45.00'

211+14.13, -54.96' LT

DO NOT IMPACT EXISTING SIGNAL BASE

R10.00'

211+16.24, -52.50' LT
EL. 912.72

211+12.86, -48.85' LT
EL. 912.64

211+18.06, -51.27' LT

211+20.75, -49.97' LT
EL. 912.75

211+03.20, -46.30' LT

R50.00'

211+34.57, -46.05' LT
EL. 913.33

211+17.22, -46.19' LT
EL. 912.67

MATCH
EXIST.

211+33.98, -41.59' LT
EL. 913.23

211+08.15, -43.81' LT
EL. 912.16

CURB RAMP DETECTABLE
WARNING FIELD (YELLOW)
(2 - 2' x 2.5' PANELS)

211+11.80, -40.39' LT
EL. 912.11

CONCRETE CURB & GUTTER
30-INCH TYPE D

5.25" HMA PAVEMENT 4 MT 58-28 S
OVER 12" BASE AGGREGATE DENSE 1 ¼ -INCH

211+14.60, -35.65' LT

MILL & OVERLAY 3.5" TO MATCH
EXISTING FLAGLINE ELEVATION
(SEE DETAIL)

CTH M

USH 14

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN DETAILS - CURB RAMPS	SHEET 47	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\021201_PD - CURB RAMPS.DWG
LAYOUT NAME - CR-1 & CR-2

PLOT DATE : 1/31/2020 11:04 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

USH 14

MILL & OVERLAY 3.5" TO MATCH EXISTING FLAGLINE ELEVATION (SEE DETAIL)

CURB RAMP DETECTABLE WARNING FIELD (YELLOW) (2 - 2' x 2.5' PANELS)

CONCRETE CURB & GUTTER 30-INCH TYPE D

5.25" HMA PAVEMENT 4 MT 58-28 S OVER 2" BASE AGGREGATE DENSE 1 ¼ -INCH

210+03.77, 32.01' RT
EL. 912.79

210+20.33, 29.01' RT

210+24.07, 33.11' RT
EL. 911.92

210+28.32, 35.70' RT
EL. 911.96

210+21.27, 37.69' RT
EL. 912.20

210+03.02, 36.96' RT
EL. 912.89

210+18.66, 41.97' RT
EL. 912.28

210+25.62, 40.20' RT
EL. 912.13

210+33.68, 37.16' RT

210+30.45, 43.66' RT
EL. 912.23

210+23.05, 44.50' RT
EL. 912.21

210+27.33, 47.56' RT
EL. 912.30

CONCRETE SIDEWALK 4-INCH OVER 6" BASE AGGREGATE DENSE 3/4-INCH

R51.12'

5.0'

2.0'

6.0'

-3.2%

-5.2%

-4.0%

-3.7%

-3.1%

-1.5%

-1.7%

CTH M

CR-3
CURB RAMP TYPE 1

✳ FLARES SHALL BE 10:1 OR FLATTER

CR-4
CURB RAMP TYPE 3

JOHN LINDEMANN DR

220+14.45, -67.13' LT
EL. 91317

220+19.45, -67.11' LT
EL. 913.04

220+30.74, -53.70' LT

220+27.98, -54.86' LT

6:1 GRADED FLARE

220+19.37, -52.11' LT
EL. 912.36

CONCRETE SIDEWALK 4-INCH OVER 6" BASE AGGREGATE DENSE 3/4-INCH

220+14.37, -51.62' LT
EL. 912.44

219+99.64, -48.75' LT
EL. 913.18

EL. 912.04

220+27.85, -52.13' LT
EL. 911.98

220+25.10, -47.12' LT
EL. 912.00

220+15.32, -46.72' LT
EL. 912.36

220+17.29, -47.10' LT
EL. 912.33

220+19.38, -47.11' LT
EL. 912.28

220+00.60, -43.85' LT
EL. 913.08

220+22.21, -44.65' LT

220+24.63, -42.87' LT

5.0'

4.7%

4.5%

-7.0%

-1.5%

-4.9%

-4.8%

-4.0%

2.0'

CURB RAMP DETECTABLE WARNING FIELD (YELLOW) (2 - 2' x 2.5' PANELS)

CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D

6:1 GRADED FLARE

5.25" HMA PAVEMENT 4 MT 58-28 S OVER 2" BASE AGGREGATE DENSE 1 ¼ -INCH

MILL & OVERLAY 1.75" TO MATCH EXISTING FLAGLINE ELEVATION (SEE DETAIL)

USH 14

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN DETAILS - CURB RAMPS	SHEET 48	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\021201_PD - CURB RAMPS.DWG
LAYOUT NAME - CR-3 & CR-4

PLOT DATE : 1/31/2020 11:04 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

JOHN LINDEMANN DR

N

2

CR-5
CURB RAMP TYPE 3

220+93.26, -67.25' LT
EL. 913.02

220+88.26, -67.24' LT
EL. 912.92

5.0'

-3.1%

-3.2%

CONCRETE SIDEWALK 4-INCH
OVER 6" BASE AGGREGATE DENSE 3/4-INCH

220+76.22, -54.37' LT

220+79.12, -55.12' LT

220+88.39, -52.27' LT
EL. 912.46

6:1 GRADED
FLARE

220+82.08, -52.26' LT
EL. 912.02

220+93.29, -52.28' LT
EL. 912.54

CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH
TYPE D

-4.0%

-1.5%

-7.0%

-1.5%

5.25" HMA PAVEMENT 4 MT 58-28 S
OVER 2" BASE AGGREGATE DENSE 1 ¼ -INCH

2.0'

-1.5%

-1.5%

220+93.30, -47.28' LT
EL. 912.62

220+78.93, -52.25' LT
EL. 911.97

-6.9%

-1.5%

-4.0%

CURB RAMP DETECTABLE
WARNING FIELD (YELLOW)
(2 - 2' x 2.5' PANELS)

220+88.40, -47.27' LT
EL. 912.54

6:1 GRADED
FLARE

220+80.98, -47.25' LT
EL. 912.03

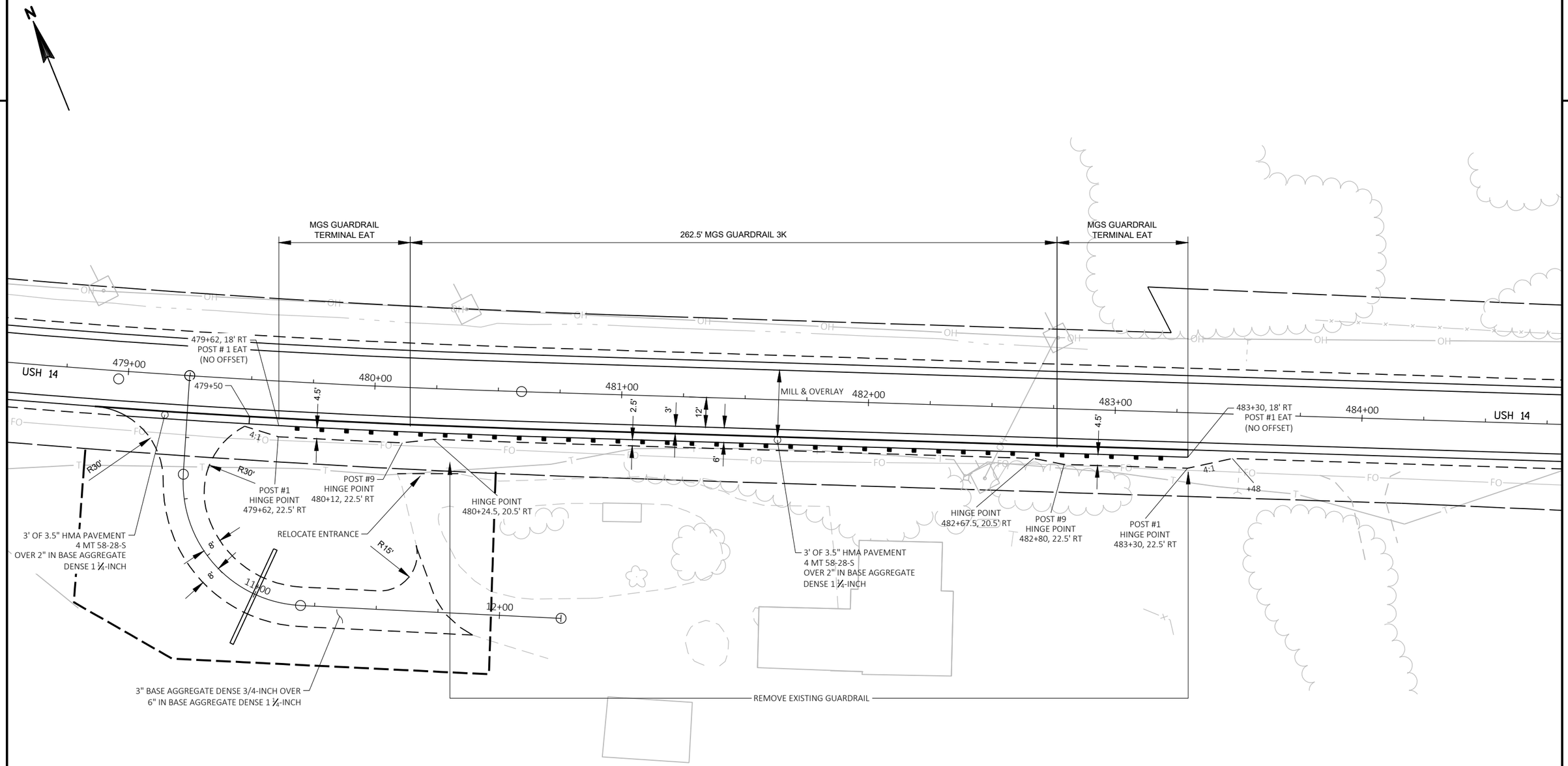
220+83.54, -44.63' LT

MILL & OVERLAY 1.75" TO
MATCH EXISTING FLAGLINE
ELEVATION (SEE DETAIL)

220+80.98, -43.08' LT
EL. 912.28

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN DETAILS - CURB RAMPS	SHEET 49	E

2



PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN DETAILS	SHEET 50	E

2

N

REMOVE EXISTING GUARDRAIL

ROCK RIVER

262.5' MGS GUARDRAIL 3K

POST #1
HINGE POINT
826+34, 22.5' LT

826+34, 18' LT
POST #1 EAT
(NO OFFSET)

+16, 18' LT

MGS GUARDRAIL
TERMINAL EAT

POST #9
HINGE POINT
826+84, 22.5' LT

HINGE POINT
826+96, 20.5' LT

HINGE POINT
828+88, 20.5' LT

62.5' TAPER
(25:1 RATE)

MGS THRIE BEAM
TRANSITION

HINGE POINT
829+50, 20' LT

+72

EXISTING STRUCTURE
B-53-906
CONCRETE REPAIR,
PAINTING, AND DECK
SEALING REQ'D

4:1

5'

1'

12'

USH 14

825+00

826+00

827+00

828+00

829+00

830+00

+87

+45

+16

4.5'

2.5'

6'

17'

18'

15.5'

3.5" HMA PAVEMENT
4 MT 58-28 S OVER 2" MIN
BASE AGGREGATE DENSE 1 ¼-INCH

MILL & OVERLAY

CONCRETE PAVEMENT
APPROACH SLAB
OVER 6" BASE
AGGREGATE DENSE
1 ¼-INCH (SDD 13B2a)

5.25" HMA PAVEMENT 4
MT 58-28 S OVER 12.75"
BASE AGGREGATE
DENSE 1 ¼-INCH

828+97, 20' RT
POST #1 EAT
(NO OFFSET)

MGS GUARDRAIL
TERMINAL EAT

MGS THRIE BEAM
TRANSITION

W RIVER DR

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN DETAILS	SHEET 51	E

2

N

ROCK RIVER

REMOVE EXISTING GUARDRAIL

MGS GUARDRAIL 3K

MGS THRIE BEAM TRANSITION

3.5" HMA PAVEMENT
4 MT 58-28 S OVER 2" MIN
BASE AGGREGATE DENSE 1 ¼-INCH

CONCRETE PAVEMENT APPROACH SLAB OVER 6' BASE AGGREGATE DENSE 1 ¼-INCH (SDD 13B2a)

EXISTING STRUCTURE B-53-906
CONCRETE REPAIR, PAINTING, AND
DECK SEALING REQ'D

REPLACE EXISTING CONCRETE SURFACE DRAIN WITH CONCRETE SURFACE DRAIN FLUME (SEE DETAIL)

5.25" HMA PAVEMENT 4
MT 58-28 S OVER 12.75"
BASE AGGREGATE
DENSE 1 ¼-INCH

HINGE POINT
834+20, 20' LT

HINGE POINT
834+33, 18' LT

87' TAPER
(25:1 RATE)

MILL 2.5"
OVERLAY 3.5"

835+08,
15.5' LT

USH 14

+72

+87

+45

+84

+01

+30

4.5'

3.5'

2.5'

15.5'

12'

830+00

831+00

832+00

833+00

834+00

835+00

17.75' LONG CONCRETE PAVEMENT APPROACH
SLAB OVER 6" BASE AGGREGATE DENSE 1 ¼-INCH
(SEE SDD 13B2a & CONSTRUCTION DETAILS)

MGS GUARDRAIL
TERMINAL EAT

MGS THRIE BEAM
TRANSITION

5.25" HMA PAVEMENT 4
MT 58-28 S OVER 12.75"
BASE AGGREGATE
DENSE 1 ¼-INCH

REPLACE EXISTING CONCRETE
SURFACE DRAIN WITH CONCRETE
SURFACE DRAIN FLUME (SEE
DETAIL)

HINGE POINT
834+33, 18' RT

HINGE POINT
834+20, 20' RT

3.5" HMA PAVEMENT
4 MT 58-28 S OVER 2" MIN
BASE AGGREGATE DENSE 1 ¼-INCH

MGS THRIE BEAM
TRANSITION

MGS GUARDRAIL 3K

250' TAPER
(20.8:1 RATE)

834+40

REMOVE EXISTING GUARDRAIL

REMOVE EXISTING GUARDRAIL

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN DETAILS	SHEET 52	E

2

N

N RIVER RD

REMOVE EXISTING GUARDRAIL

REPLACE THREE SECTIONS OF CURB & GUTTER TO EXISTING JOINT WITH CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D - DRIVEWAY CUT HEAD PER SDD 8D1b

103' TAPER (12.5:1 RATE)

225' MGS GUARDRAIL 3K

MGS GUARDRAIL TERMINAL EAT

3.5" HMA PAVEMENT
4 MT 58-28 S OVER 2" MIN
BASE AGGREGATE DENSE 1 ¼-INCH

87' TAPER (25:1 RATE)

835+95, 19' LT

HINGE POINT 836+36, 25' LT

POST #1 HINGE POINT 836+98, 31.72' LT

836+98, 27.22' LT POST #1 EAT (NO OFFSET)

POST #9 HINGE POINT 836+48, 28' LT

ASPHALTIC FLUME

5' CURB HEAD TAPER

MILL & OVERLAY

3.5" HMA PAVEMENT
4 MT 58-28 S OVER 2" MIN
BASE AGGREGATE DENSE 1 ¼-INCH

+07

+37

838+37, 32.25' LT

REMOVE EXISTING GUARDRAIL

REPLACE THREE SECTIONS OF CURB & GUTTER TO EXISTING JOINT WITH CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D - DRIVEWAY CUT HEAD PER SDD 8D1b

MGS GUARDRAIL TERMINAL EAT

437.5' MGS GUARDRAIL 3K

300' TAPER (33.3:1 RATE)

5' CURB HEAD TAPER

POST #1 HINGE POINT 838+49.5, 31.5' LT

POST #9 HINGE POINT 838+99.5, 31.5' LT

POST #1 EAT 838+49.5, 27' LT (NO OFFSET)

HINGE POINT 839+12, 29.5' LT

840+15, 27' LT

3.5" HMA PAVEMENT
4 MT 58-28 S OVER 2" MIN
BASE AGGREGATE DENSE 1 ¼-INCH

MILL 2.5" OVERLAY 3.5"

836+00 837+00 838+00 839+00 840+00 841+00

USH 14

USH 14

837+61, 27.5' RT POST #1 EAT (NO OFFSET)

HINGE POINT 836+98, 30' RT

POST #9 HINGE POINT 837+11, 32' RT

+69, 30' RT

POST #1 HINGE POINT 837+61, 32' RT

3.5" HMA PAVEMENT
4 MT 58-28 S OVER 2" MIN
BASE AGGREGATE DENSE 1 ¼-INCH

MILL & OVERLAY

287.5' MGS GUARDRAIL 3K

MGS GUARDRAIL TERMINAL EAT

250' TAPER (20.8:1 RATE)

836+90

REMOVE EXISTING GUARDRAIL

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN DETAILS	SHEET 53	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\021202_PD.DWG
LAYOUT NAME - 05
PLOT DATE : 1/30/2020 10:51 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

2

N

REMOVE EXISTING GUARDRAIL

437.5' MGS GUARDRAIL 3K

MGS GUARDRAIL TERMINAL EAT

300' TAPER (33.3:1 RATE)

3.5" HMA PAVEMENT
4 MT 58-28 S OVER 2" MIN
BASE AGGREGATE DENSE 1 ¼-INCH

HINGE POINT
843+30.5, 20.5' LT

843+15, 18' LT

POST #9
HINGE POINT
843+43, 22.5' LT

POST #1
HINGE POINT
843+93, 22.5' LT

POST #1
HINGE POINT
843+93, 18' LT

844+11, 18' LT
POST #1 EAT

2.5'

3.0'

4:1

24' - 15' VAR

15'

6'

4.5'

842+00

843+00

844+00

845+00

846+00

847+00

USH 14

USH 14

MILL 2.5"
OVERLAY 3.5"

SPRING HILL DR

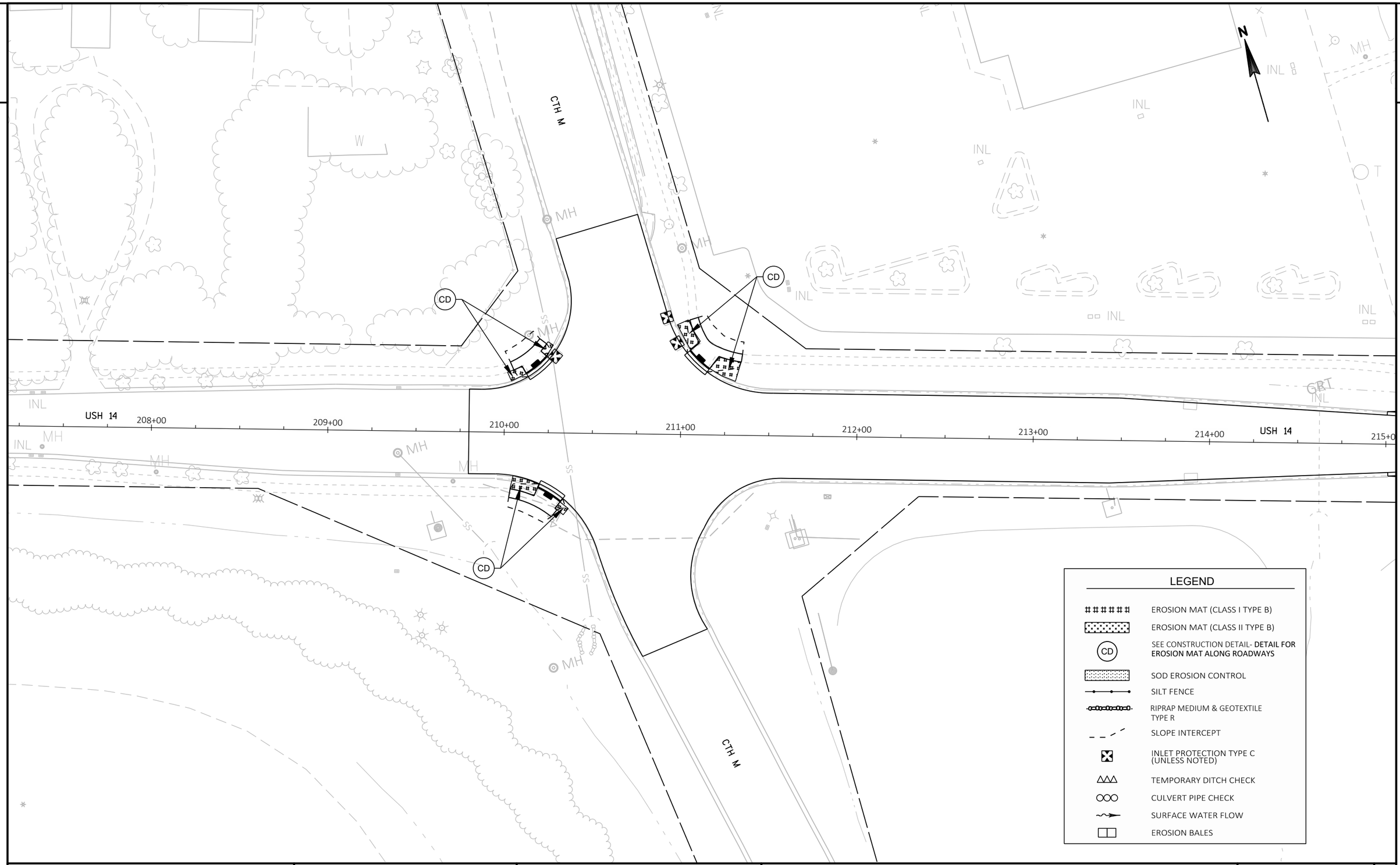
PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN DETAILS	SHEET 54	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\021202_PD.DWG
LAYOUT NAME - 06

PLOT DATE : 1/30/2020 10:51 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2



LEGEND

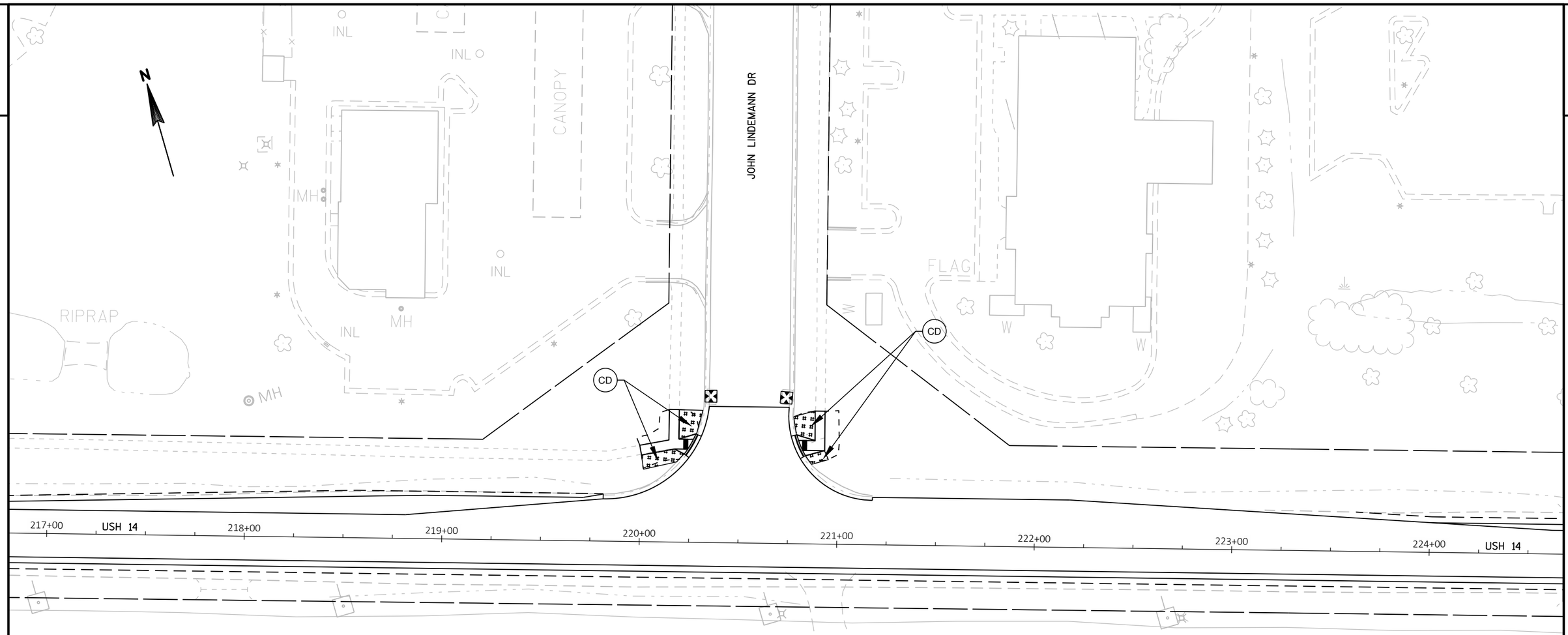
- EROSION MAT (CLASS I TYPE B)
- EROSION MAT (CLASS II TYPE B)
- SEE CONSTRUCTION DETAIL- **DETAIL FOR EROSION MAT ALONG ROADWAYS**
- SOD EROSION CONTROL
- SILT FENCE
- RIPRAP MEDIUM & GEOTEXTILE TYPE R
- SLOPE INTERCEPT
- INLET PROTECTION TYPE C (UNLESS NOTED)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- EROSION BALES

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	EROSION CONTROL	SHEET 55	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 01

PLOT DATE : 1/30/2020 9:11 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



LEGEND

- EROSION MAT (CLASS I TYPE B)
- EROSION MAT (CLASS II TYPE B)
- CD — SEE CONSTRUCTION DETAIL- **DETAIL FOR EROSION MAT ALONG ROADWAYS**
- SOD EROSION CONTROL
- SILT FENCE
- RIPRAP MEDIUM & GEOTEXTILE TYPE R
- SLOPE INTERCEPT
- INLET PROTECTION TYPE C (UNLESS NOTED)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- EROSION BALES

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	EROSION CONTROL	SHEET 56	E

C

2

N

USH 14

307+00

308+00

309+00

310+00

311+00

312+00

N TOLLES RD

51'TR'

52'TR'

53'TR'

54'TR'

55'TR'

56'TR'

57'TR'

CD

CD

CD

CD

LEGEND

- EROSION MAT (CLASS I TYPE B)
- EROSION MAT (CLASS II TYPE B)
- CD — SEE CONSTRUCTION DETAIL- **DETAIL FOR EROSION MAT ALONG ROADWAYS**
- SOD EROSION CONTROL
- SILT FENCE
- RIPRAP MEDIUM & GEOTEXTILE TYPE R
- SLOPE INTERCEPT
- INLET PROTECTION TYPE C (UNLESS NOTED)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- EROSION BALES

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	EROSION CONTROL	SHEET 57	E

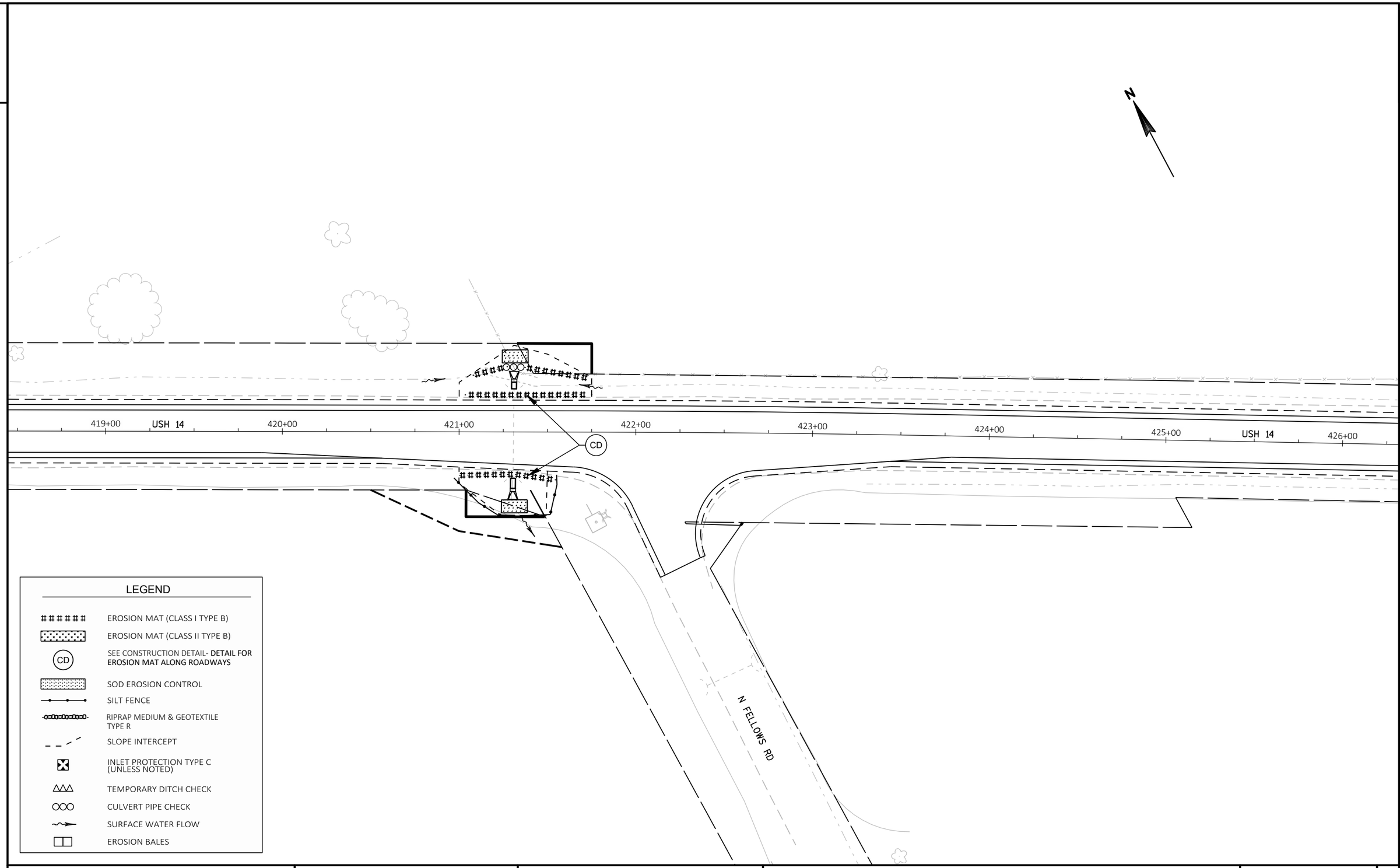
FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 03

PLOT DATE : 1/30/2020 9:12 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:60 FT

WISDOT/CADDS SHEET 42

2

2



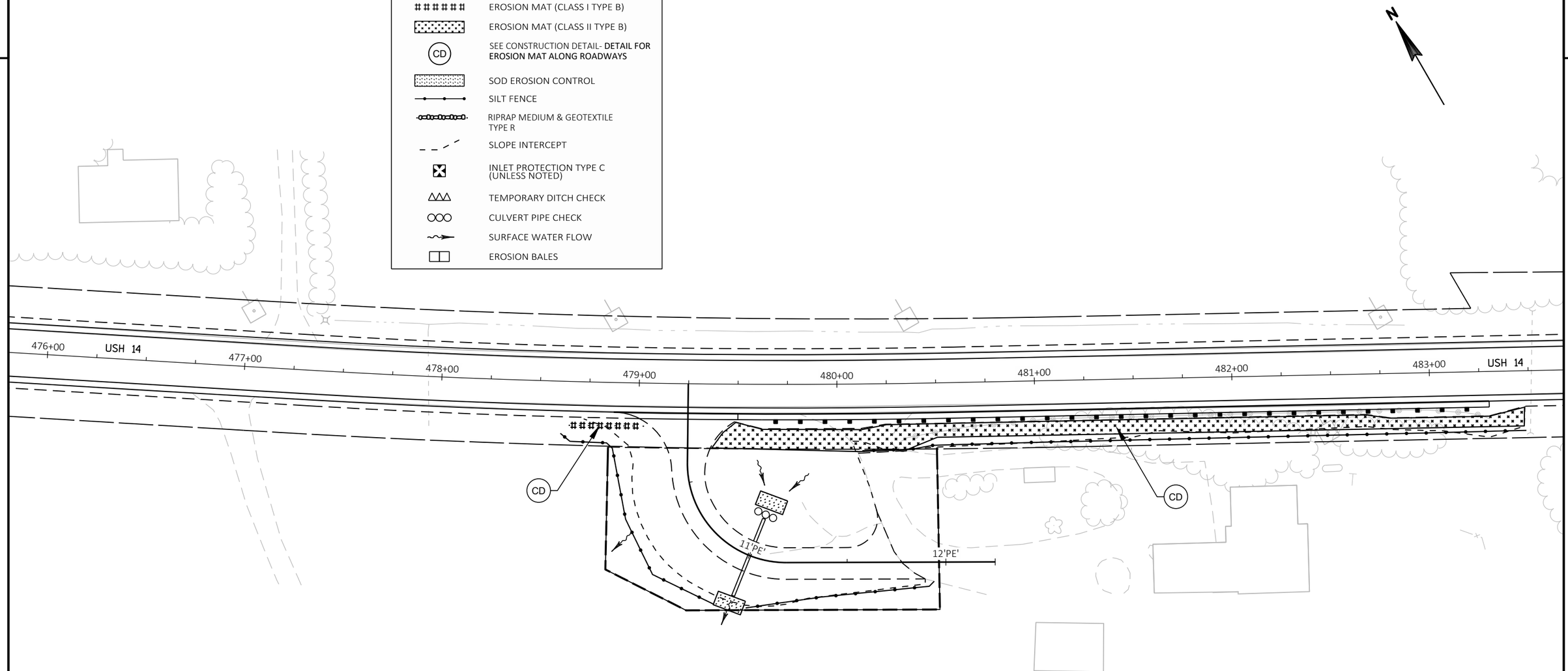
PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	EROSION CONTROL	SHEET	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 04
PLOT DATE : 1/30/2020 9:12 AM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT (CLASS I TYPE B)
- EROSION MAT (CLASS II TYPE B)
- CD — SEE CONSTRUCTION DETAIL- **DETAIL FOR EROSION MAT ALONG ROADWAYS**
- SOD EROSION CONTROL
- SILT FENCE
- RIPRAP MEDIUM & GEOTEXTILE TYPE R
- SLOPE INTERCEPT
- INLET PROTECTION TYPE C (UNLESS NOTED)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- EROSION BALES



PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	EROSION CONTROL	SHEET 59	E

2

2

N

SEPV

USH 14

629'WB' 629+00
630'WB' 630+00
631'WB' 631+00
632'WB' 632+00
633'WB' 633+00
634'WB' 634+00
635'WB' 635+00
636'WB' 636+00

LEGEND

- EROSION MAT (CLASS I TYPE B)
- EROSION MAT (CLASS II TYPE B)
- (CD) SEE CONSTRUCTION DETAIL- **DETAIL FOR EROSION MAT ALONG ROADWAYS**
- SOD EROSION CONTROL
- SILT FENCE
- RIPRAP MEDIUM & GEOTEXTILE TYPE R
- SLOPE INTERCEPT
- INLET PROTECTION TYPE C (UNLESS NOTED)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- EROSION BALES

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	EROSION CONTROL	SHEET 60	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 06

PLOT DATE : 1/30/2020 9:12 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N

CTH H

127'H' 128'H' 129'H' 130'H' 131'H' 132'H' 133'H'

USH 14

636+00 636'WB'

637+00 637'WB'

638+00 638'WB'

639+00 639'WB'

640+00 640'WB'

CD

WALL

HSE

LEGEND

- EROSION MAT (CLASS I TYPE B)
- EROSION MAT (CLASS II TYPE B)
- CD — SEE CONSTRUCTION DETAIL- **DETAIL FOR EROSION MAT ALONG ROADWAYS**
- SOD EROSION CONTROL
- SILT FENCE
- RIPRAP MEDIUM & GEOTEXTILE TYPE R
- SLOPE INTERCEPT
- INLET PROTECTION TYPE C (UNLESS NOTED)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- EROSION BALES

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	EROSION CONTROL	SHEET 61	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 07

PLOT DATE : 1/30/2020 9:12 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

N

LEGEND

- EROSION MAT (CLASS I TYPE B)
- EROSION MAT (CLASS II TYPE B)
- CD — SEE CONSTRUCTION DETAIL- **DETAIL FOR EROSION MAT ALONG ROADWAYS**
- SOD EROSION CONTROL
- SILT FENCE
- RIPRAP MEDIUM & GEOTEXTILE TYPE R
- SLOPE INTERCEPT
- INLET PROTECTION TYPE C (UNLESS NOTED)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- EROSION BALES

CD

CD

USH 14

641'WB'

641+00

642'WB'

642+00

643'WB'

643+00

644'WB'

644+00

645'WB'

645+00

646'WB'

646+00

647'WB'

647+00

USH 14

648+

SEPV

BLDG

HSE

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	EROSION CONTROL	SHEET 62	E

2

2

N

USH 14

800+00

801+00

802+00

803+00

804+00

805+00

806+00

USH 14

807+00

CD

CD

LEGEND

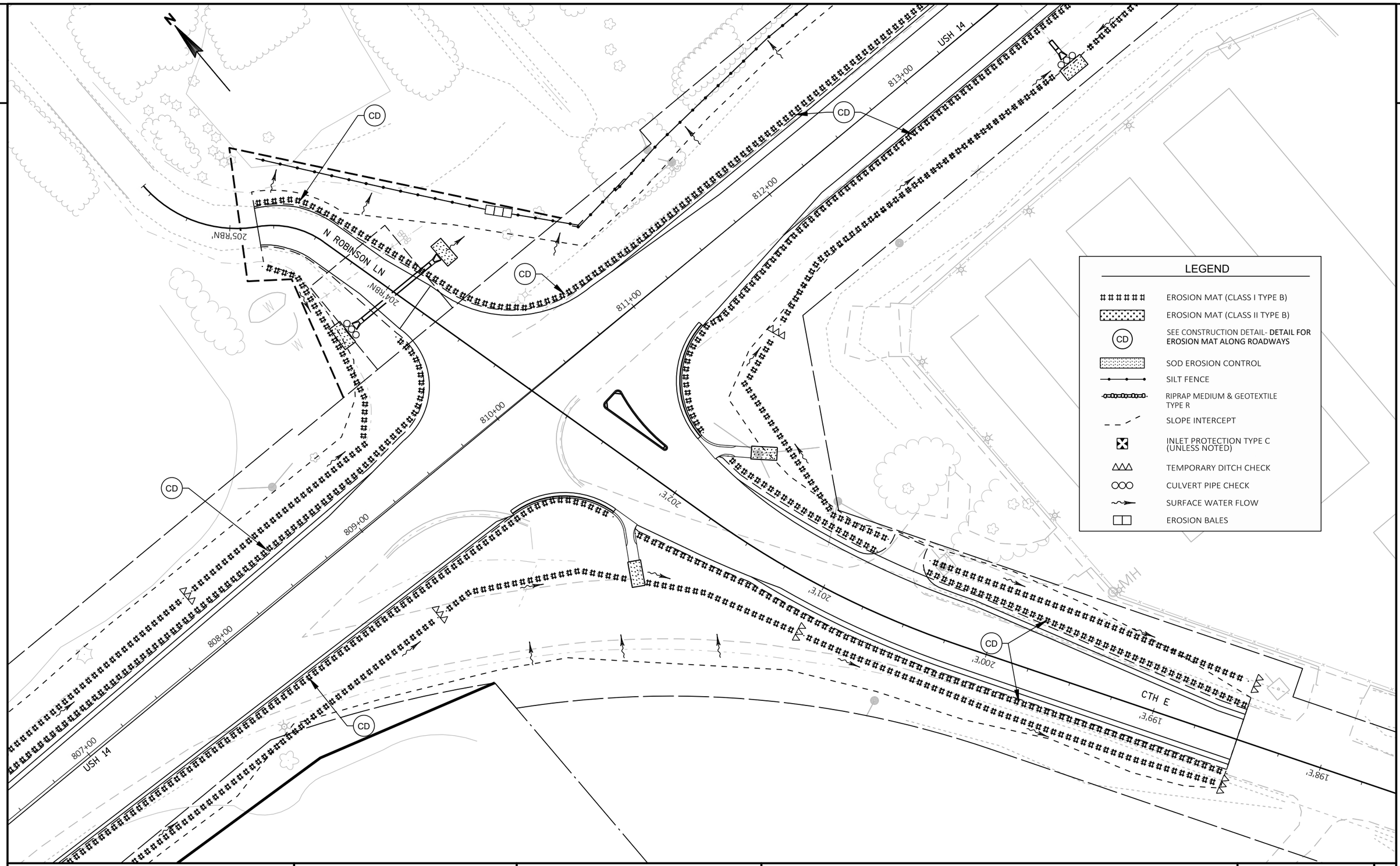
- EROSION MAT (CLASS I TYPE B)
- EROSION MAT (CLASS II TYPE B)
- CD — SEE CONSTRUCTION DETAIL- **DETAIL FOR EROSION MAT ALONG ROADWAYS**
- SOD EROSION CONTROL
- SILT FENCE
- RIPRAP MEDIUM & GEOTEXTILE TYPE R
- SLOPE INTERCEPT
- INLET PROTECTION TYPE C (UNLESS NOTED)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- EROSION BALES

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	EROSION CONTROL	SHEET 63	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 09

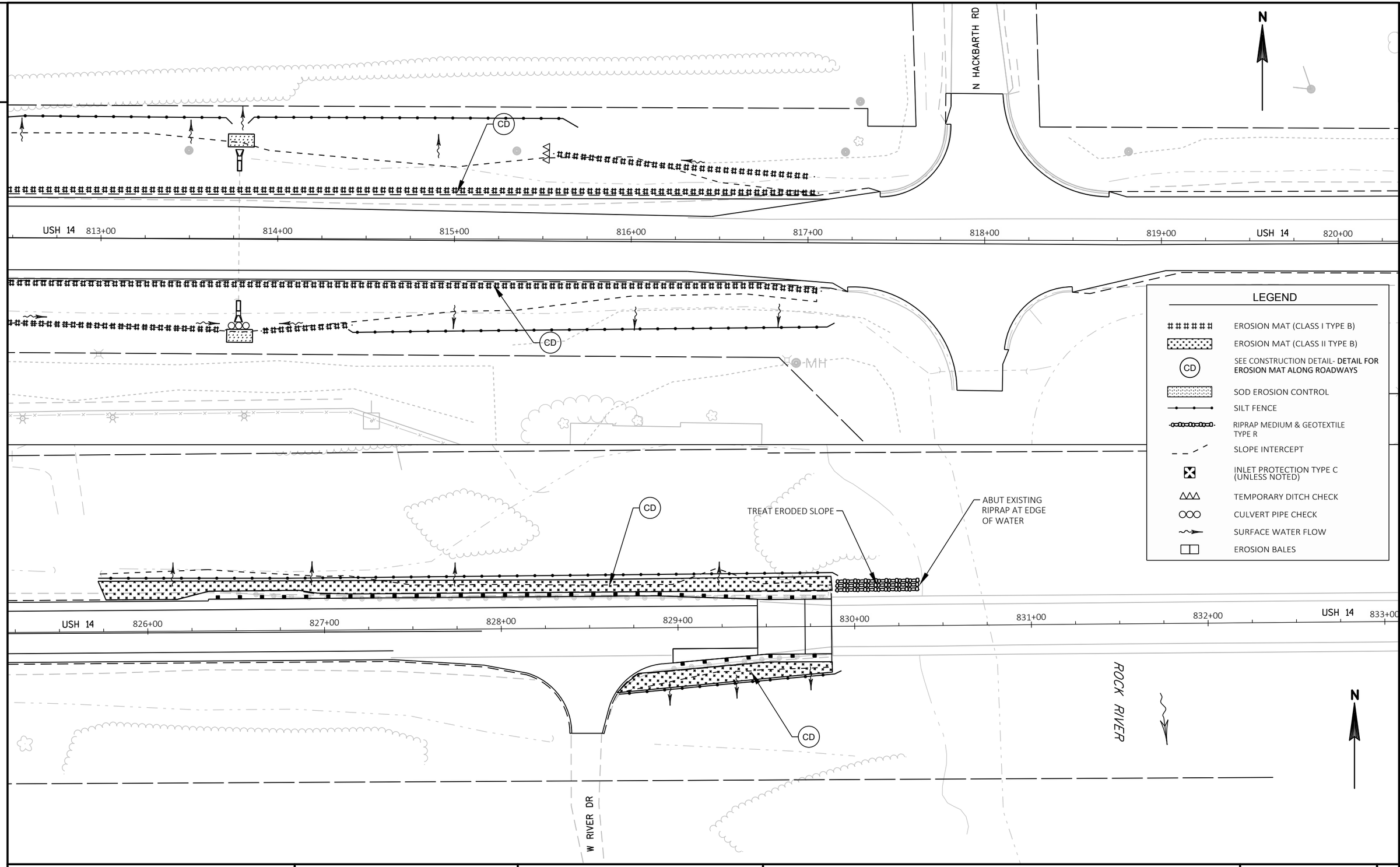
PLOT DATE : 1/30/2020 9:13 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	EROSION CONTROL	SHEET 64	E

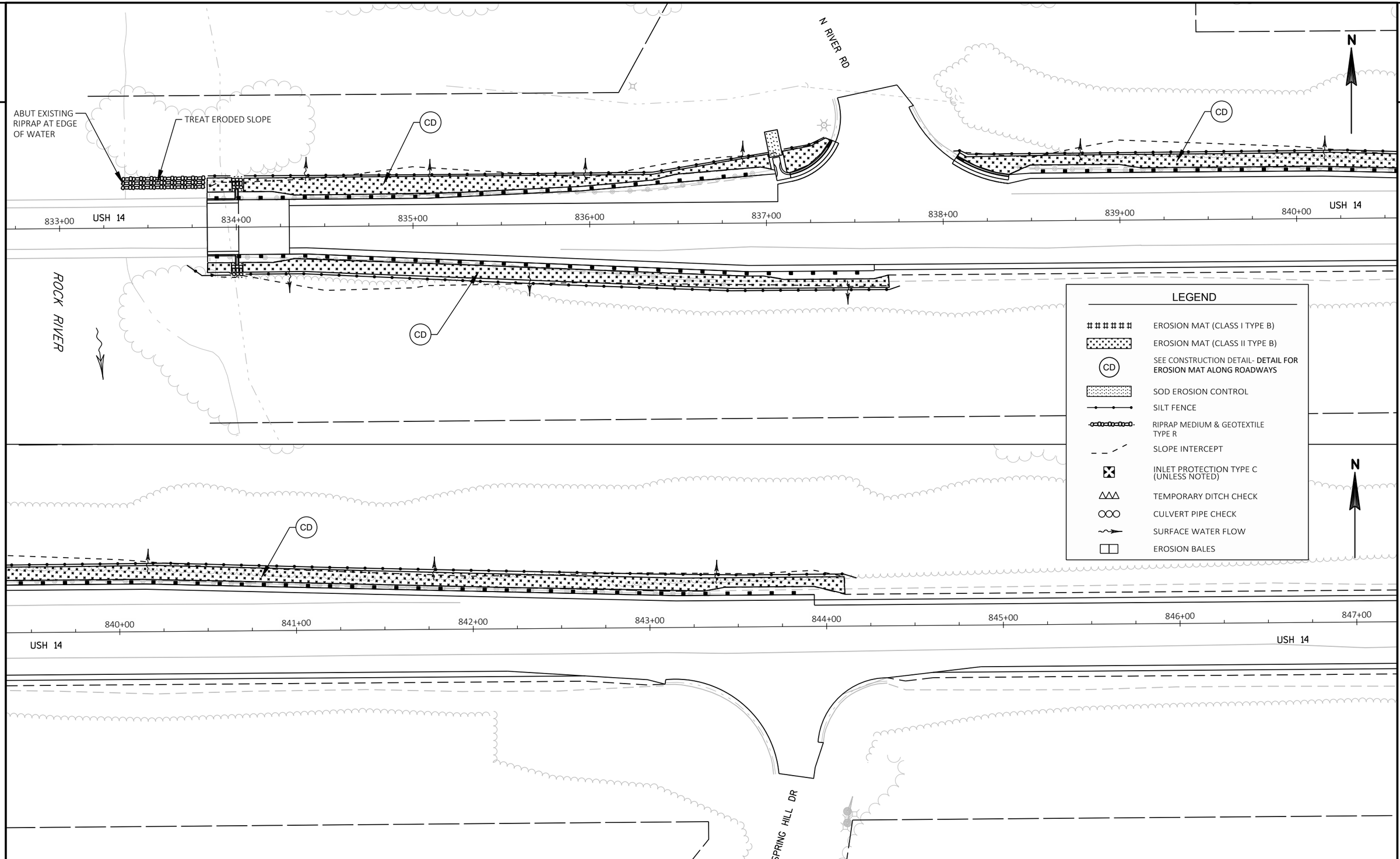
2



2

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	EROSION CONTROL	SHEET 65	E

2



PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	EROSION CONTROL	SHEET 66	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 12
PLOT DATE : 1/30/2020 9:13 AM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

N

LEGEND

- EROSION MAT (CLASS I TYPE B)
- EROSION MAT (CLASS II TYPE B)
- CD — SEE CONSTRUCTION DETAIL- **DETAIL FOR EROSION MAT ALONG ROADWAYS**
- SOD EROSION CONTROL
- SILT FENCE
- RIPRAP MEDIUM & GEOTEXTILE TYPE R
- SLOPE INTERCEPT
- INLET PROTECTION TYPE C (UNLESS NOTED)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- EROSION BALES

CTH F

262'F'

261'F'

CD

CD

CD

MH

873+00 874+00 875+00 876+00 877+00 878+00 879+00 880+00

USH 14

USH 14

MH

BERM

BERM

N CRYSTAL SPRINGS RD

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	EROSION CONTROL	SHEET 67	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 13

PLOT DATE : 1/30/2020 9:14 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

N

127+00'H' CTH H 128+00'H' 129+00'H' CTH H 130+00'

STA. 129+00'H', 29.9' RT
INLET 4-FT DIAMETER-HM-S
3

RIM 891.87

FLAG LINE 891.28

STA. 129+00'H', 43' RT
APRON ENDWALL FOR CPCS 18-INCH
4

STA. 127+45'H', 27' RT
APRON ENDWALL FOR CPCS 18-INCH
1

STA. 128+00'H', 27' RT
INLET MEDIAN 1G-MS
2

WALL

894
892
890
888
886

1
2
3
4

55 LF CPCS 18-INCH @ 3.64%

890.50

888.50

888.50

100 LF CPCS 18-INCH @ 0.50%

888.00

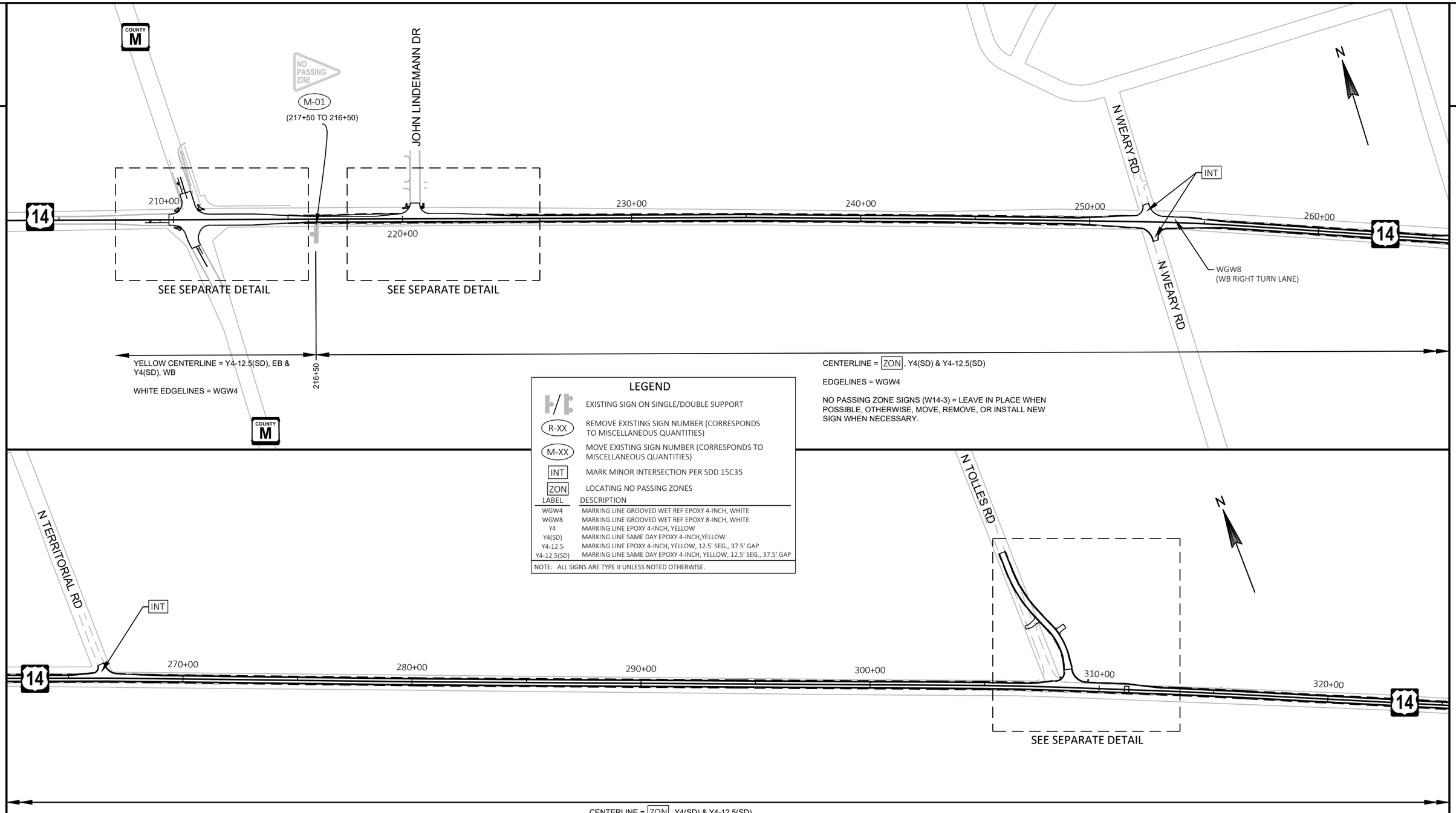
888.00

887.87

13 LF CPCS 18-INCH @ 1.00%

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	STORM SEWER	SHEET 68	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - SS_01
PLOT DATE : 12/20/2019 11:48 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:20 FT_1
WISDOT/CADDS SHEET 41



LEGEND

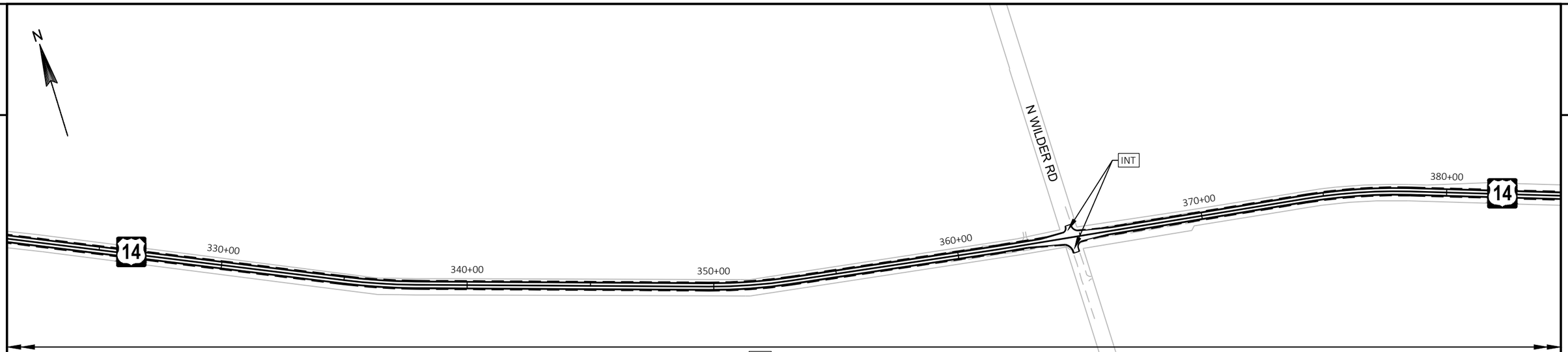
	EXISTING SIGN ON SINGLE/DOUBLE SUPPORT
R-XX	REMOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
M-XX	MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
INT	MARK MINOR INTERSECTION PER SDD 15C35
ZON	LOCATING NO PASSING ZONES

LABEL	DESCRIPTION
WGW4	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE
WGW8	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE
Y4	MARKING LINE EPOXY 4-INCH, YELLOW
Y4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH,YELLOW
Y4-12.5	MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y4-12.5(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP

NOTE: ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 69	E

2



CENTERLINE = ZON , Y4(SD) & Y4-12.5(SD)

EDGELINES = WGW4

NO PASSING ZONE SIGNS (W14-3) = LEAVE IN PLACE WHEN POSSIBLE, OTHERWISE, MOVE, REMOVE, OR INSTALL NEW SIGN WHEN NECESSARY.

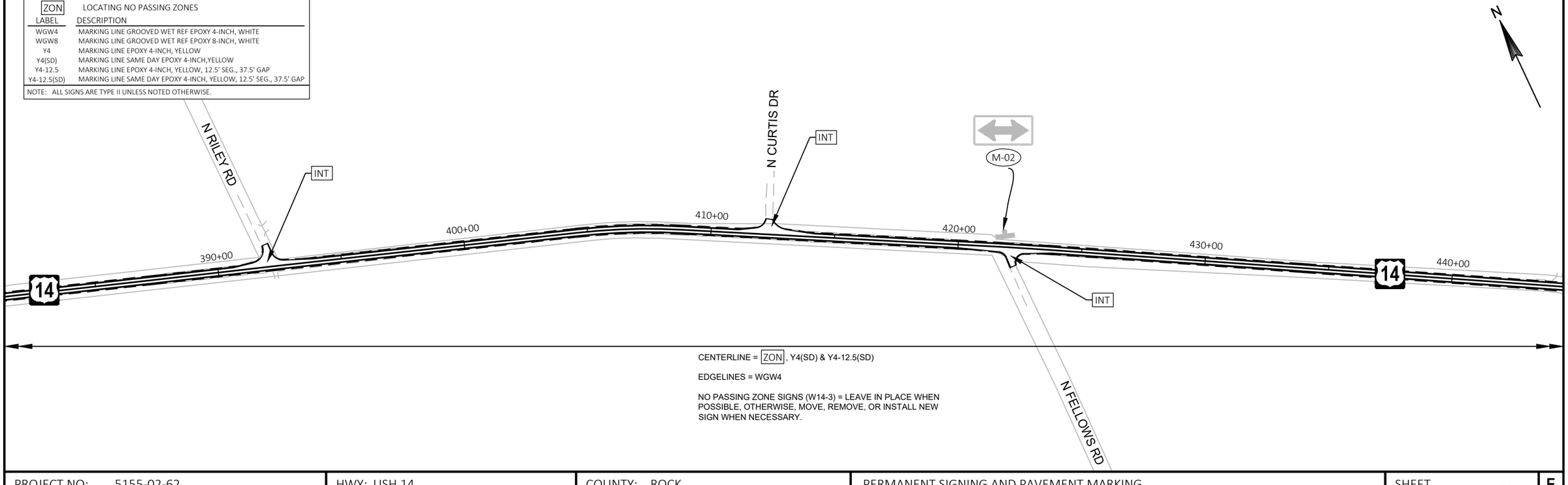
N TUTTLE RD

LEGEND

	EXISTING SIGN ON SINGLE/DOUBLE SUPPORT
R-XX	REMOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
M-XX	MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
INT	MARK MINOR INTERSECTION PER SDD 15C35
ZON	LOCATING NO PASSING ZONES

LABEL	DESCRIPTION
WGW4	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE
WGW8	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE
Y4	MARKING LINE EPOXY 4-INCH, YELLOW
Y4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH,YELLOW
Y4-12.5	MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y4-12.5(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP

NOTE: ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.



CENTERLINE = ZON , Y4(SD) & Y4-12.5(SD)

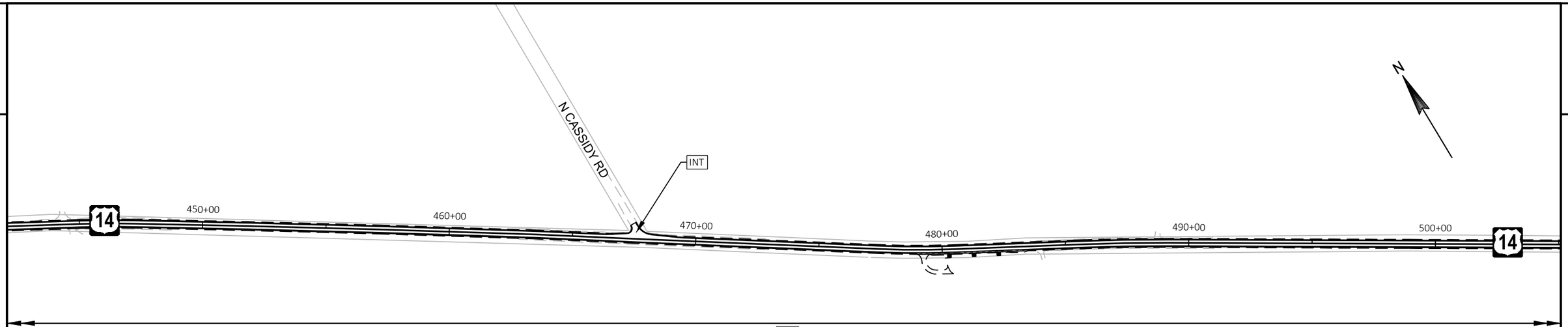
EDGELINES = WGW4

NO PASSING ZONE SIGNS (W14-3) = LEAVE IN PLACE WHEN POSSIBLE, OTHERWISE, MOVE, REMOVE, OR INSTALL NEW SIGN WHEN NECESSARY.

N FELLOWS RD

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 70	E

2



CENTERLINE = ZON , Y4(SD) & Y4-12.5(SD)

EDGELINES = WGW4

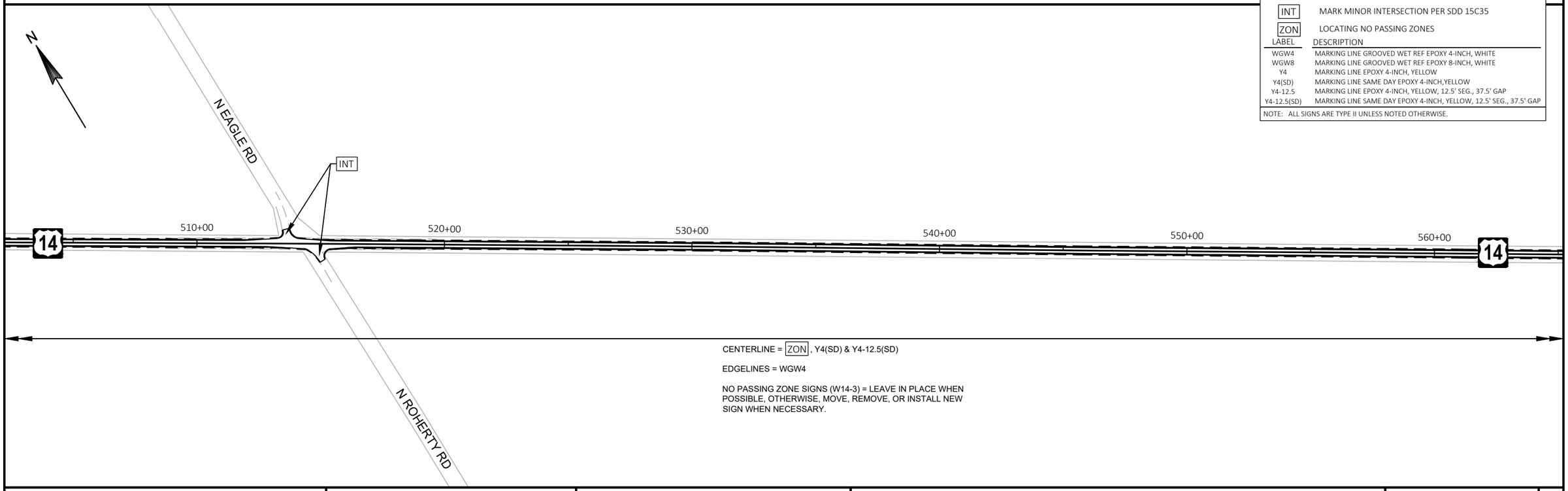
NO PASSING ZONE SIGNS (W14-3) = LEAVE IN PLACE WHEN POSSIBLE, OTHERWISE, MOVE, REMOVE, OR INSTALL NEW SIGN WHEN NECESSARY.

LEGEND

F/E	EXISTING SIGN ON SINGLE/DOUBLE SUPPORT
R-XX	REMOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
M-XX	MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
INT	MARK MINOR INTERSECTION PER SDD 15C35
ZON	LOCATING NO PASSING ZONES

LABEL	DESCRIPTION
WGW4	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE
WGW8	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE
Y4	MARKING LINE EPOXY 4-INCH, YELLOW
Y4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH,YELLOW
Y4-12.5	MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y4-12.5(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP

NOTE: ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

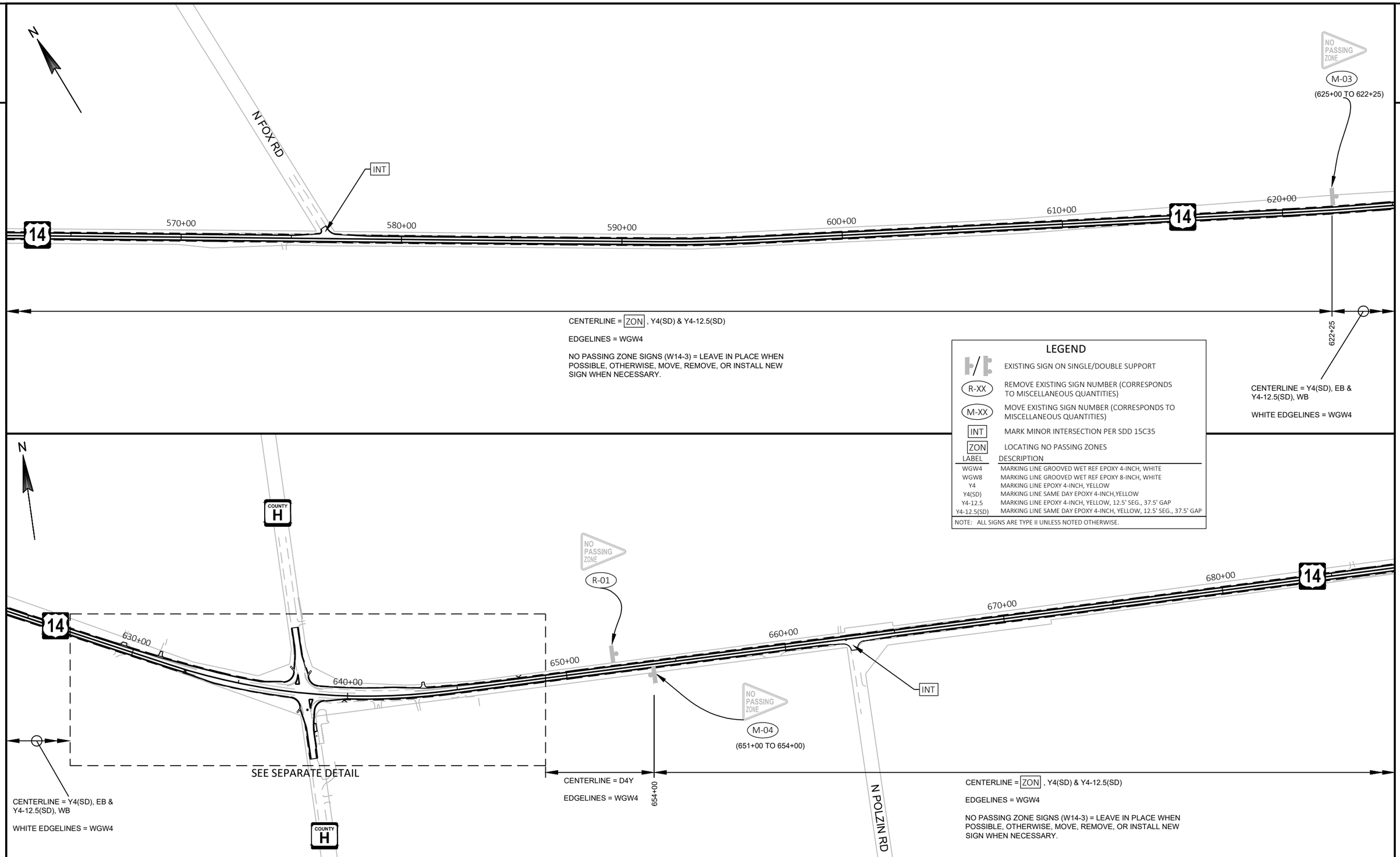


CENTERLINE = ZON , Y4(SD) & Y4-12.5(SD)

EDGELINES = WGW4

NO PASSING ZONE SIGNS (W14-3) = LEAVE IN PLACE WHEN POSSIBLE, OTHERWISE, MOVE, REMOVE, OR INSTALL NEW SIGN WHEN NECESSARY.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 71	E



PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 72	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 04
PLOT DATE : 1/29/2020 8:50 AM
PLOT BY : KRUEGER, KIRK
PLOT NAME :
PLOT SCALE : 1 IN:400 FT
WISDOT/CADDS SHEET 44

2

N CONNER RD

INT

WGW4-12.5 (WB BYPASS LANE)

N FITZSIMMONS RD

INT

INT

14

600+00

700+00

710+00

720+00

730+00

740+00

14

WGW8 (EB RIGHT TURN LANE)

INT

CENTERLINE = ZON , Y4(SD) & Y4-12.5(SD)

EDGELINES = WGW4

NO PASSING ZONE SIGNS (W14-3) = LEAVE IN PLACE WHEN POSSIBLE, OTHERWISE, MOVE, REMOVE, OR INSTALL NEW SIGN WHEN NECESSARY.

N CONNER RD

N HARVEST VIEW DR

N LEITH RD

N BURDICK RD

2

LEGEND

	EXISTING SIGN ON SINGLE/DOUBLE SUPPORT
R-XX	REMOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
M-XX	MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
INT	MARK MINOR INTERSECTION PER SDD 15C35
ZON	LOCATING NO PASSING ZONES

LABEL	DESCRIPTION
WGW4	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE
WGW8	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE
Y4	MARKING LINE EPOXY 4-INCH, YELLOW
Y4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH,YELLOW
Y4-12.5	MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y4-12.5(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP

NOTE: ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

N

N RIVERS EDGE DR

14

750+00

760+00

770+00

780+00

790+00

800+00

14

INT

SEE SEPARATE DETAIL

CENTERLINE = ZON , Y4(SD) & Y4-12.5(SD)

EDGELINES = WGW4

NO PASSING ZONE SIGNS (W14-3) = LEAVE IN PLACE WHEN POSSIBLE, OTHERWISE, MOVE, REMOVE, OR INSTALL NEW SIGN WHEN NECESSARY.

800+75

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 73	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 05

PLOT DATE : 1/29/2020 8:50 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:400 FT

WISDOT/CADDS SHEET 44

2

2

N

N EDGEWOOD DR

ROCK RIVER

N RIVER RD

N ROBINSON LN

14

810+00

820+00

830+00

840+00

850+00

860+00

14

W EDGEWOOD DR

SEE SEPARATE DETAIL

SEE SEPARATE DETAIL

COUNTY E

N HACKBARTH RD

W RIVER DR

ROCK RIVER

SPRING HILL DR

51

N

COUNTY F

14

870+00

880+00

890+00

900+00

SEE SEPARATE DETAIL

N CRYSTAL SPRINGS RD

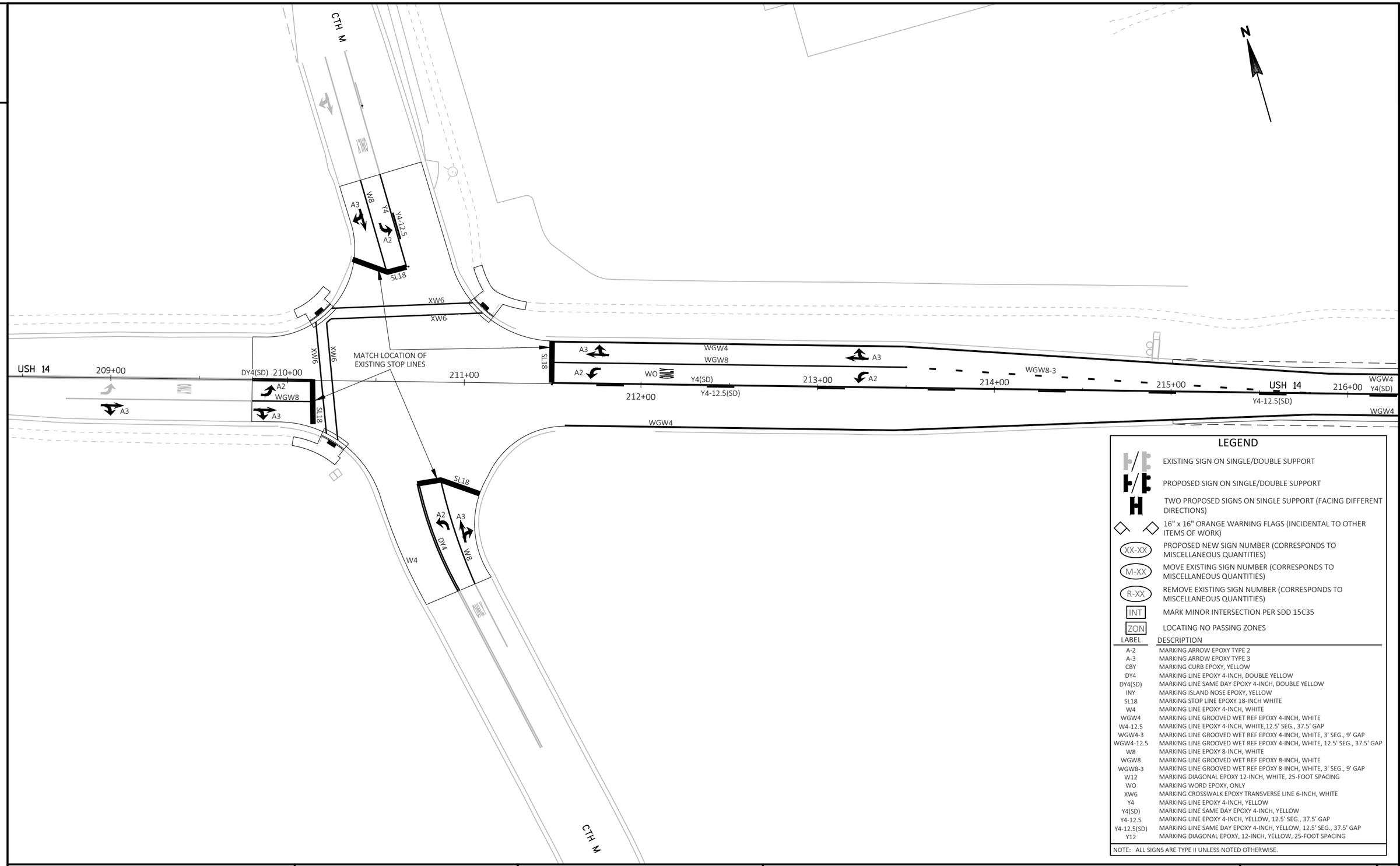
51

14

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 74	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 06

PLOT DATE : 1/29/2020 8:50 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:400 FT



LEGEND

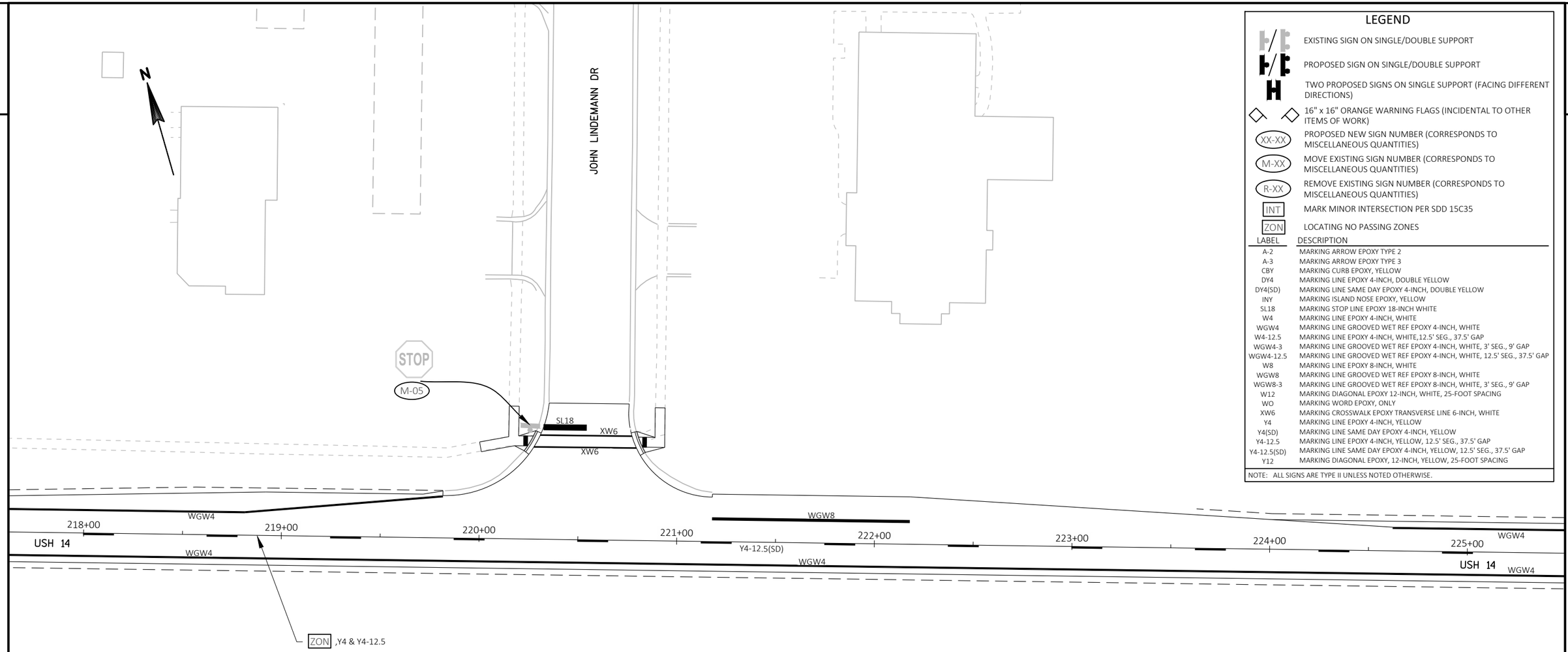
	EXISTING SIGN ON SINGLE/DOUBLE SUPPORT
	PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
	TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
	16" x 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
XX-XX	PROPOSED NEW SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
M-XX	MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
R-XX	REMOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
INT	MARK MINOR INTERSECTION PER SDD 15C35
ZON	LOCATING NO PASSING ZONES

LABEL	DESCRIPTION
A-2	MARKING ARROW EPOXY TYPE 2
A-3	MARKING ARROW EPOXY TYPE 3
CBY	MARKING CURB EPOXY, YELLOW
DY4	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
DY4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, DOUBLE YELLOW
INY	MARKING ISLAND NOSE EPOXY, YELLOW
SL18	MARKING STOP LINE EPOXY 18-INCH WHITE
W4	MARKING LINE EPOXY 4-INCH, WHITE
WGW4	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE
W4-12.5	MARKING LINE EPOXY 4-INCH, WHITE,12.5' SEG., 37.5' GAP
WGW4-3	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 3' SEG., 9' GAP
WGW4-12.5	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
W8	MARKING LINE EPOXY 8-INCH, WHITE
WGW8	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE
WGW8-3	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE, 3' SEG., 9' GAP
W12	MARKING DIAGONAL EPOXY 12-INCH, WHITE, 25-FOOT SPACING
WO	MARKING WORD EPOXY, ONLY
XW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
Y4	MARKING LINE EPOXY 4-INCH, YELLOW
Y4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW
Y4-12.5	MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y4-12.5(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y12	MARKING DIAGONAL EPOXY, 12-INCH, YELLOW, 25-FOOT SPACING

NOTE: ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 75	E

2

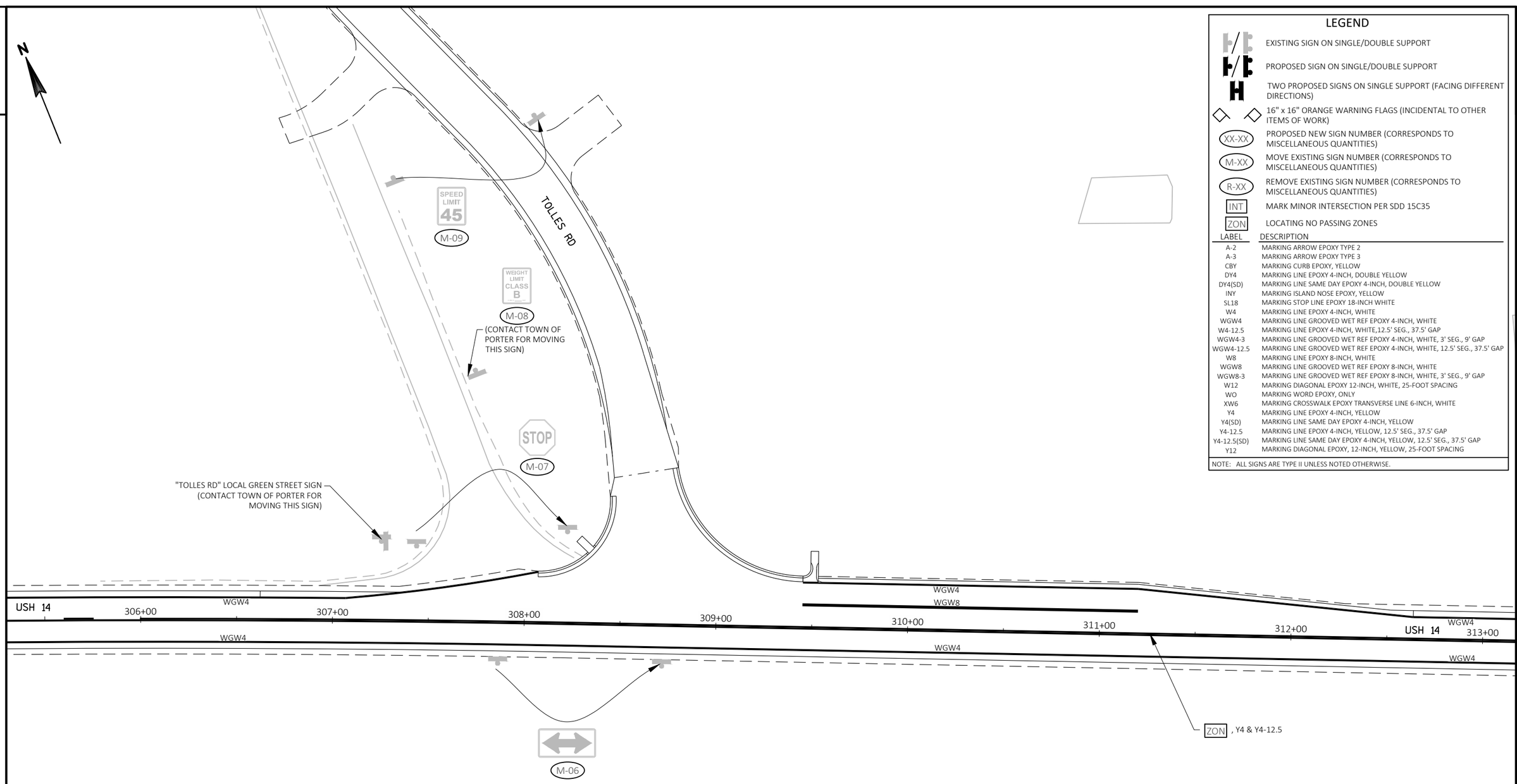


LEGEND

	EXISTING SIGN ON SINGLE/DOUBLE SUPPORT
	PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
	TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
	16" x 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
XX-XX	PROPOSED NEW SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
M-XX	MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
R-XX	REMOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
INT	MARK MINOR INTERSECTION PER SDD 15C35
ZON	LOCATING NO PASSING ZONES

LABEL	DESCRIPTION
A-2	MARKING ARROW EPOXY TYPE 2
A-3	MARKING ARROW EPOXY TYPE 3
CBY	MARKING CURB EPOXY, YELLOW
DY4	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
DY4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, DOUBLE YELLOW
INY	MARKING ISLAND NOSE EPOXY, YELLOW
SL18	MARKING STOP LINE EPOXY 18-INCH WHITE
W4	MARKING LINE EPOXY 4-INCH, WHITE
WGW4	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE
W4-12.5	MARKING LINE EPOXY 4-INCH, WHITE,12.5' SEG., 37.5' GAP
WGW4-3	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 3' SEG., 9' GAP
WGW4-12.5	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
W8	MARKING LINE EPOXY 8-INCH, WHITE
WGW8	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE
WGW8-3	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE, 3' SEG., 9' GAP
W12	MARKING DIAGONAL EPOXY 12-INCH, WHITE, 25-FOOT SPACING
WO	MARKING WORD EPOXY, ONLY
XW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
Y4	MARKING LINE EPOXY 4-INCH, YELLOW
Y4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW
Y4-12.5	MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y4-12.5(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y12	MARKING DIAGONAL EPOXY, 12-INCH, YELLOW, 25-FOOT SPACING

NOTE: ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.



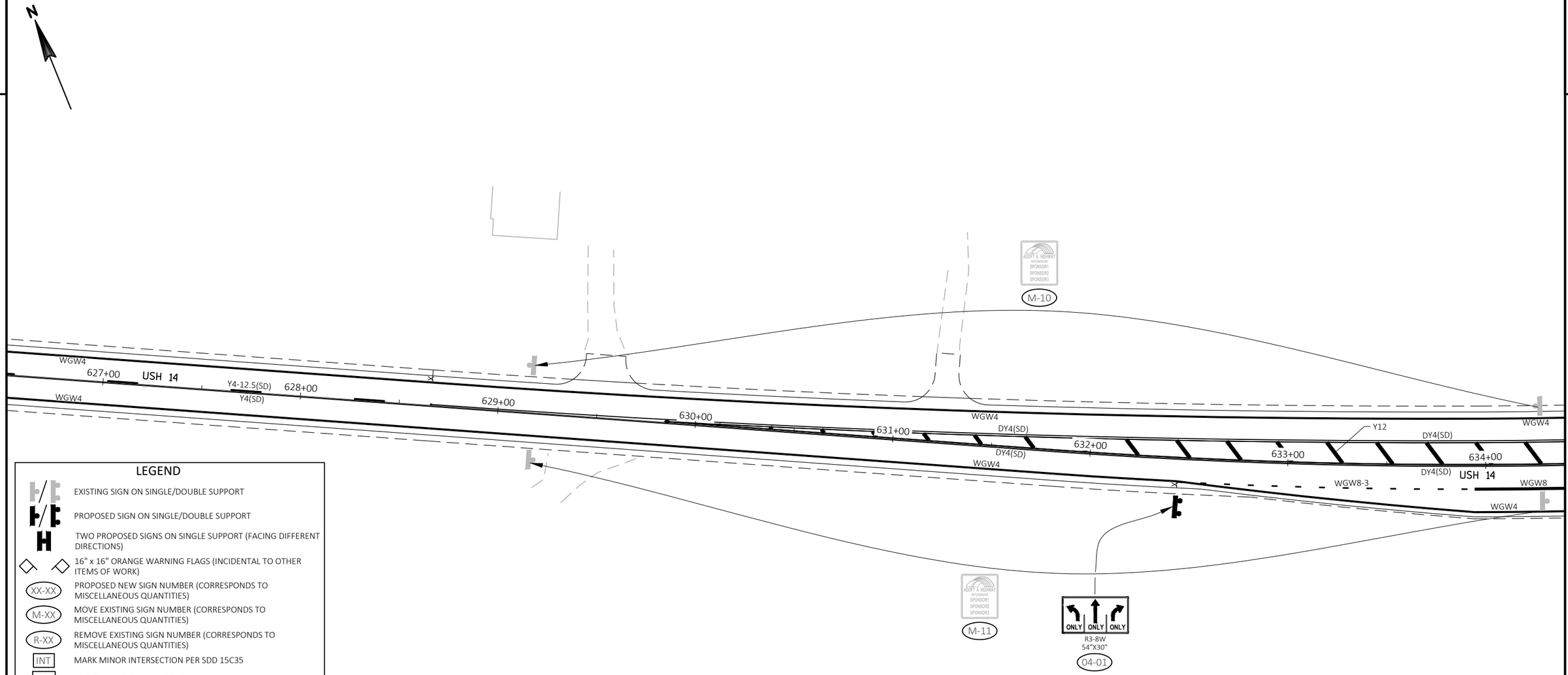
LEGEND

- EXISTING SIGN ON SINGLE/DOUBLE SUPPORT
- PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
- TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
- 16" x 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
- XX-XX — PROPOSED NEW SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
- M-XX — MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
- R-XX — REMOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
- INT — MARK MINOR INTERSECTION PER SDD 15C35
- ZON — LOCATING NO PASSING ZONES

LABEL	DESCRIPTION
A-2	MARKING ARROW EPOXY TYPE 2
A-3	MARKING ARROW EPOXY TYPE 3
CBY	MARKING CURB EPOXY, YELLOW
DY4	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
DY4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, DOUBLE YELLOW
INY	MARKING ISLAND NOSE EPOXY, YELLOW
SL18	MARKING STOP LINE EPOXY 18-INCH WHITE
W4	MARKING LINE EPOXY 4-INCH, WHITE
WGW4	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE
W4-12.5	MARKING LINE EPOXY 4-INCH, WHITE,12.5' SEG., 37.5' GAP
WGW4-3	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 3' SEG., 9' GAP
WGW4-12.5	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
W8	MARKING LINE EPOXY 8-INCH, WHITE
WGW8	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE
WGW8-3	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE, 3' SEG., 9' GAP
W12	MARKING DIAGONAL EPOXY 12-INCH, WHITE, 25-FOOT SPACING
WO	MARKING WORD EPOXY, ONLY
XW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
Y4	MARKING LINE EPOXY 4-INCH, YELLOW
Y4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW
Y4-12.5	MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y4-12.5(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y12	MARKING DIAGONAL EPOXY, 12-INCH, YELLOW, 25-FOOT SPACING

NOTE: ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

2



LEGEND

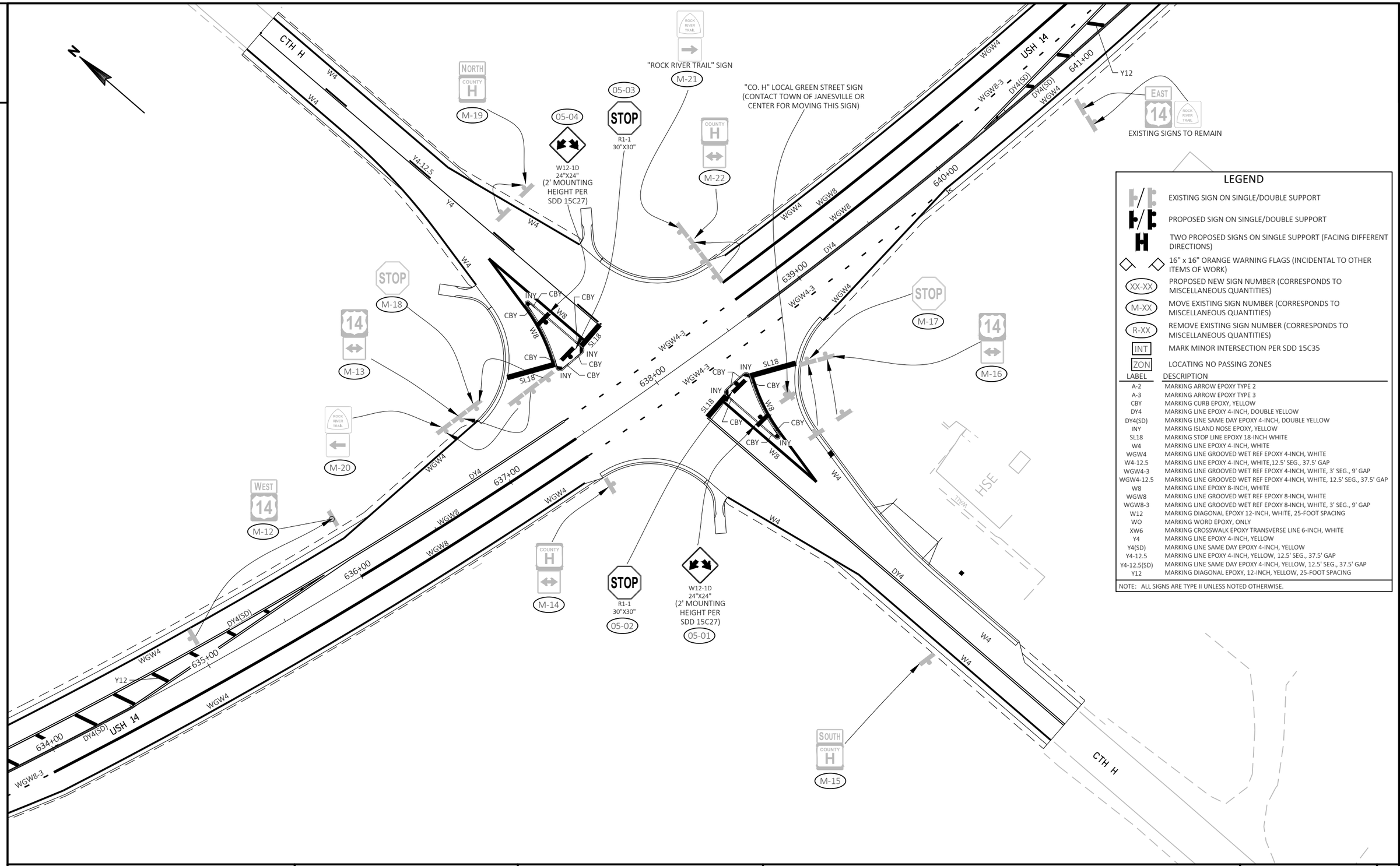
- EXISTING SIGN ON SINGLE/DOUBLE SUPPORT
- PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
- TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
- 16" x 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
- XX-XX — PROPOSED NEW SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
- M-XX — MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
- R-XX — REMOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
- INT — MARK MINOR INTERSECTION PER SDD 15C35
- ZON — LOCATING NO PASSING ZONES

LABEL	DESCRIPTION
A-2	MARKING ARROW EPOXY TYPE 2
A-3	MARKING ARROW EPOXY TYPE 3
CBY	MARKING CURB EPOXY, YELLOW
DY4	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
DY4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, DOUBLE YELLOW
INY	MARKING ISLAND NOSE EPOXY, YELLOW
SL18	MARKING STOP LINE EPOXY 18-INCH WHITE
W4	MARKING LINE EPOXY 4-INCH, WHITE
WGW4	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE
W4-12.5	MARKING LINE EPOXY 4-INCH, WHITE,12.5' SEG., 37.5' GAP
WGW4-3	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 3' SEG., 9' GAP
WGW4-12.5	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
W8	MARKING LINE EPOXY 8-INCH, WHITE
WGW8	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE
WGW8-3	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE, 3' SEG., 9' GAP
W12	MARKING DIAGONAL EPOXY 12-INCH, WHITE, 25-FOOT SPACING
WO	MARKING WORD EPOXY, ONLY
XW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
Y4	MARKING LINE EPOXY 4-INCH, YELLOW
Y4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW
Y4-12.5	MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y4-12.5(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y12	MARKING DIAGONAL EPOXY, 12-INCH, YELLOW, 25-FOOT SPACING

NOTE: ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 78	E

2



LEGEND

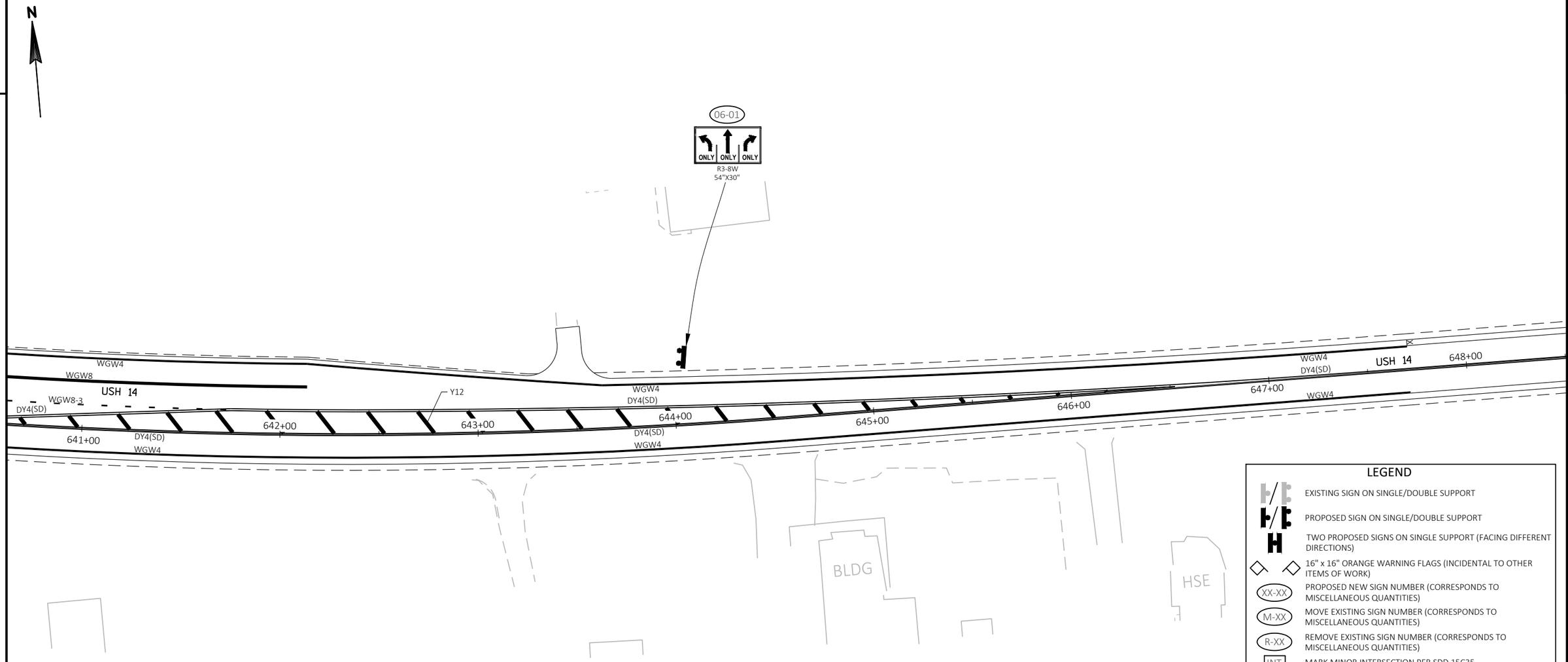
	EXISTING SIGN ON SINGLE/DOUBLE SUPPORT
	PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
H	TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
	16" x 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
XX-XX	PROPOSED NEW SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
M-XX	MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
R-XX	REMOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
INT	MARK MINOR INTERSECTION PER SDD 15C35
ZON	LOCATING NO PASSING ZONES

LABEL	DESCRIPTION
A-2	MARKING ARROW EPOXY TYPE 2
A-3	MARKING ARROW EPOXY TYPE 3
CBY	MARKING CURB EPOXY, YELLOW
DY4	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
DY4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, DOUBLE YELLOW
INY	MARKING ISLAND NOSE EPOXY, YELLOW
SL18	MARKING STOP LINE EPOXY 18-INCH WHITE
W4	MARKING LINE EPOXY 4-INCH, WHITE
WGW4	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE
W4-12.5	MARKING LINE EPOXY 4-INCH, WHITE,12.5' SEG., 37.5' GAP
WGW4-3	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 3' SEG., 9' GAP
WGW4-12.5	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
W8	MARKING LINE EPOXY 8-INCH, WHITE
WGW8	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE
WGW8-3	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE, 3' SEG., 9' GAP
W12	MARKING DIAGONAL EPOXY 12-INCH, WHITE, 25-FOOT SPACING
WO	MARKING WORD EPOXY, ONLY
XW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
Y4	MARKING LINE EPOXY 4-INCH, YELLOW
Y4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW
Y4-12.5	MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y4-12.5(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y12	MARKING DIAGONAL EPOXY, 12-INCH, YELLOW, 25-FOOT SPACING

NOTE: ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 79	E

2



LEGEND

	EXISTING SIGN ON SINGLE/DOUBLE SUPPORT
	PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
H	TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
	16" x 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
XX-XX	PROPOSED NEW SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
M-XX	MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
R-XX	REMOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
INT	MARK MINOR INTERSECTION PER SDD 15C35
ZON	LOCATING NO PASSING ZONES

LABEL	DESCRIPTION
A-2	MARKING ARROW EPOXY TYPE 2
A-3	MARKING ARROW EPOXY TYPE 3
CBY	MARKING CURB EPOXY, YELLOW
DY4	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
DY4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, DOUBLE YELLOW
INY	MARKING ISLAND NOSE EPOXY, YELLOW
SL18	MARKING STOP LINE EPOXY 18-INCH WHITE
W4	MARKING LINE EPOXY 4-INCH, WHITE
WGW4	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE
W4-12.5	MARKING LINE EPOXY 4-INCH, WHITE,12.5' SEG., 37.5' GAP
WGW4-3	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 3' SEG., 9' GAP
WGW4-12.5	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
W8	MARKING LINE EPOXY 8-INCH, WHITE
WGW8	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE
WGW8-3	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE, 3' SEG., 9' GAP
W12	MARKING DIAGONAL EPOXY 12-INCH, WHITE, 25-FOOT SPACING
WO	MARKING WORD EPOXY, ONLY
XW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
Y4	MARKING LINE EPOXY 4-INCH, YELLOW
Y4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW
Y4-12.5	MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y4-12.5(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y12	MARKING DIAGONAL EPOXY, 12-INCH, YELLOW, 25-FOOT SPACING

NOTE: ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

2

2

N

LEGEND

	EXISTING SIGN ON SINGLE/DOUBLE SUPPORT
	PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
H	TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
	16" x 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
XX-XX	PROPOSED NEW SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
M-XX	MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
R-XX	REMOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
INT	MARK MINOR INTERSECTION PER SDD 15C35
ZON	LOCATING NO PASSING ZONES

LABEL	DESCRIPTION
A-2	MARKING ARROW EPOXY TYPE 2
A-3	MARKING ARROW EPOXY TYPE 3
CBY	MARKING CURB EPOXY, YELLOW
DY4	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
DY4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, DOUBLE YELLOW
INY	MARKING ISLAND NOSE EPOXY, YELLOW
SL18	MARKING STOP LINE EPOXY 18-INCH WHITE
W4	MARKING LINE EPOXY 4-INCH, WHITE
WGW4	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE
W4-12.5	MARKING LINE EPOXY 4-INCH, WHITE,12.5' SEG., 37.5' GAP
WGW4-3	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 3' SEG., 9' GAP
WGW4-12.5	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
W8	MARKING LINE EPOXY 8-INCH, WHITE
WGW8	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE
WGW8-3	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE, 3' SEG., 9' GAP
W12	MARKING DIAGONAL EPOXY 12-INCH, WHITE, 25-FOOT SPACING
WO	MARKING WORD EPOXY, ONLY
XW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
Y4	MARKING LINE EPOXY 4-INCH, YELLOW
Y4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW
Y4-12.5	MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y4-12.5(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y12	MARKING DIAGONAL EPOXY, 12-INCH, YELLOW, 25-FOOT SPACING

NOTE: ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

ADOPT A HIGHWAY SPONSOR SPONSOR1 SPONSOR2 SPONSOR3
M-24

ZON , Y4(SD) & Y4-12.5(SD)

NO PASSING ZONE
M-23

MOVE BOTH SIGNS TO SAME STATION

(MOVE TO 808+90+/-)

14 ROCK RIVER TRAIL
R-02 M-28

+75

800+00 USH 14 WGW4 801+00 Y4-12.5(SD) 802+00 803+00 804+00 WGW4 Y4-12.5(SD) 805+00 806+00 DY4(SD) DY4(SD) 807+00 WGW4 Y12

USH 14 WGW8 WGW8 WGW4 W12 WGW4

+75

07-01
M1-5A COUNTY E H D9-2
M6-2 MB6-2
J12-2
48"X45"

300'

ADOPT A HIGHWAY SPONSOR SPONSOR1 SPONSOR2 SPONSOR3
M-25

COUNTY E H ROCK RIVER TRAIL
M-26 M-27
(MOVE TO 809+75+/-)

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 81	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\024502_PM.DWG
LAYOUT NAME - 07
PLOT DATE : 1/30/2020 11:04 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N

N. ROBINSON LN

STOP M-30

STOP M-29

END COUNTY E 14 R-07

ROCK RIVER TRAIL M-31

COUNTY E M-32

(MOVED FROM 805+00 +/-)

ROCK RIVER TRAIL M-28

R-03

WEST 14 J4-1 36"X24" 08-04

+05

809+00

808+00

DY4(SD)

WGW4

WGW8

W12

Y12

+55

USH 14

810+00

811+00

812+00

813+00

814+00

+50

+00

WGW4-3

WGW8

DY4(SD)

WGW4

ONLY R3-8A 36"X30" 08-06

EAST 14 M-34

14 J13-1 45"X24" 08-05

"COUNTY RD E" LOCAL GREEN STREET SIGN (CONTACT TOWN OF JANESVILLE FOR MOVING THIS SIGN)

CBY INY SL18 W8 A-2 A-3 DY4 WO W4

COUNTY E H ROCK RIVER TRAIL (MOVED FROM 806+75+/-, SEE PREVIOUS SHEET FOR MOVE SIGN NUMBERS)

STOP R1-1 30"X30" 08-03

DO NOT ENTER R-06

YIELD KEEP RIGHT R-05 R-04

W12-1D 24"X24" (2' MOUNTING HEIGHT PER SDD 15C27) 08-02

CTH E

M-33 COUNTY E

(EXISTING SIGN TO REMAIN)

ONLY R3-8 36"X30" 08-01

JCT END 14 COUNTY E J1-2 36"X48" 08-07

300'

LEGEND

	EXISTING SIGN ON SINGLE/DOUBLE SUPPORT
	PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
H	TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
	16" x 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
XX-XX	PROPOSED NEW SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
M-XX	MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
R-XX	REMOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
INT	MARK MINOR INTERSECTION PER SDD 15C35
ZON	LOCATING NO PASSING ZONES

LABEL	DESCRIPTION
A-2	MARKING ARROW EPOXY TYPE 2
A-3	MARKING ARROW EPOXY TYPE 3
CBY	MARKING CURB EPOXY, YELLOW
DY4	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
DY4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, DOUBLE YELLOW
INY	MARKING ISLAND NOSE EPOXY, YELLOW
SL18	MARKING STOP LINE EPOXY 18-INCH WHITE
W4	MARKING LINE EPOXY 4-INCH, WHITE
WGW4	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE
W4-12.5	MARKING LINE EPOXY 4-INCH, WHITE,12.5' SEG., 37.5' GAP
WGW4-3	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 3' SEG., 9' GAP
WGW4-12.5	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
W8	MARKING LINE EPOXY 8-INCH, WHITE
WGW8	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE
WGW8-3	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE, 3' SEG., 9' GAP
W12	MARKING DIAGONAL EPOXY 12-INCH, WHITE, 25-FOOT SPACING
WO	MARKING WORD EPOXY, ONLY
XW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
Y4	MARKING LINE EPOXY 4-INCH, YELLOW
Y4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW
Y4-12.5	MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y4-12.5(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y12	MARKING DIAGONAL EPOXY, 12-INCH, YELLOW, 25-FOOT SPACING

NOTE: ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\024502_PM.DWG
LAYOUT NAME - 08

PLOT DATE : 1/30/2020 11:04 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N

+75

WGW4

DY4(SD)

Y12

814+00

815+00

816+00

817+00

818+00

819+00

DY4(SD)

+50

820+00

Y4(SD)

USH 14

Y4-12.5(SD)

821+00

WGW8

WGW4

+05

WGW4-3

USH 14

WGW4

+75

WGW4

WGW4

N HACKBARTH RD

LEGEND

EXISTING SIGN ON SINGLE/DOUBLE SUPPORT

PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT

TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)

16" x 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)

XX-XX — PROPOSED NEW SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

M-XX — MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

R-XX — REMOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)

INT — MARK MINOR INTERSECTION PER SDD 15C35

ZON — LOCATING NO PASSING ZONES

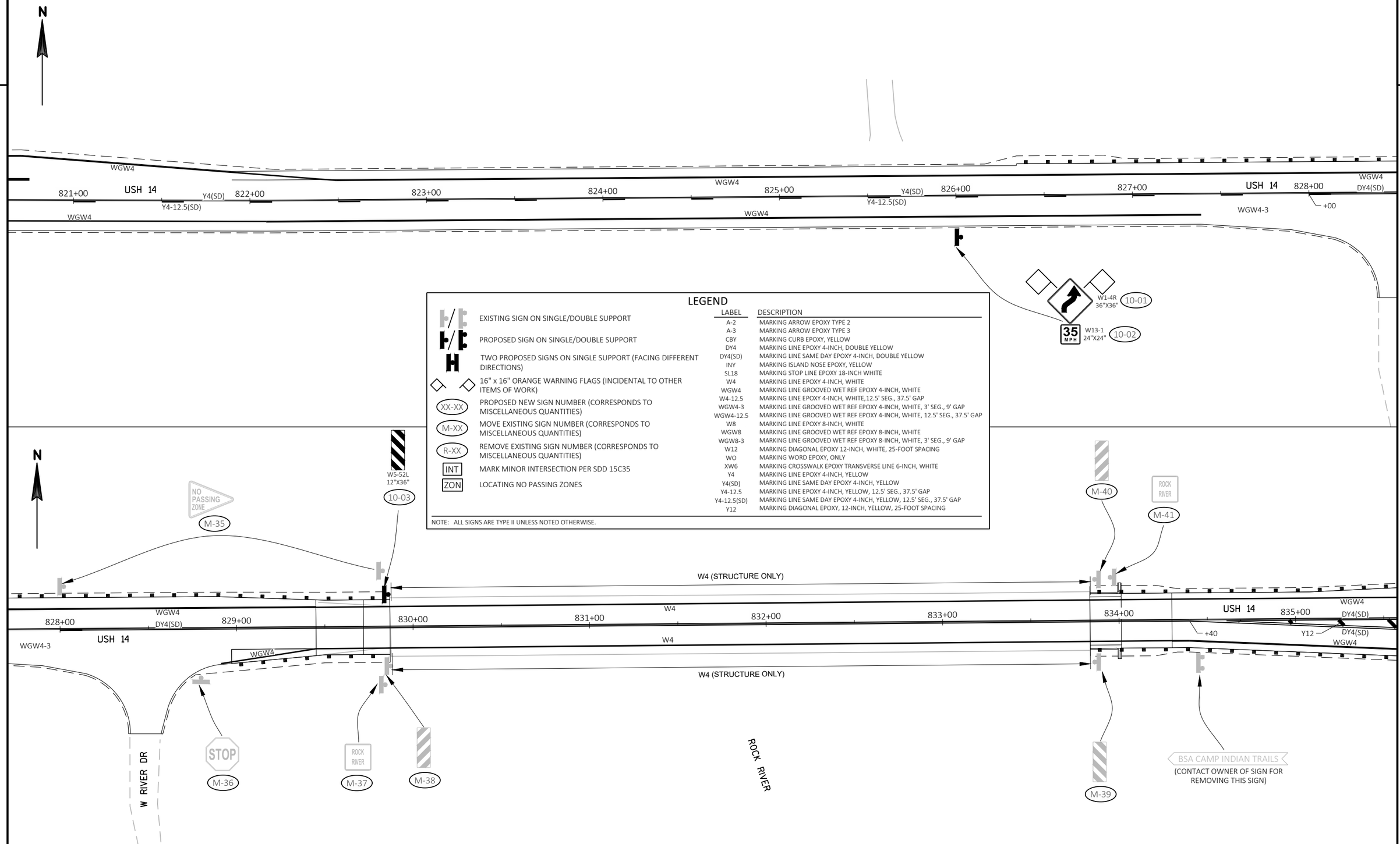
LABEL	DESCRIPTION
A-2	MARKING ARROW EPOXY TYPE 2
A-3	MARKING ARROW EPOXY TYPE 3
CBY	MARKING CURB EPOXY, YELLOW
DY4	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
DY4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, DOUBLE YELLOW
INY	MARKING ISLAND NOSE EPOXY, YELLOW
SL18	MARKING STOP LINE EPOXY 18-INCH WHITE
W4	MARKING LINE EPOXY 4-INCH, WHITE
WGW4	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE
W4-12.5	MARKING LINE EPOXY 4-INCH, WHITE,12.5' SEG., 37.5' GAP
WGW4-3	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 3' SEG., 9' GAP
WGW4-12.5	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
W8	MARKING LINE EPOXY 8-INCH, WHITE
WGW8	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE
WGW8-3	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE, 3' SEG., 9' GAP
W12	MARKING DIAGONAL EPOXY 12-INCH, WHITE, 25-FOOT SPACING
WO	MARKING WORD EPOXY, ONLY
XW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
Y4	MARKING LINE EPOXY 4-INCH, YELLOW
Y4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW
Y4-12.5	MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y4-12.5(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y12	MARKING DIAGONAL EPOXY, 12-INCH, YELLOW, 25-FOOT SPACING

NOTE: ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 83	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\024502_PM.DWG
LAYOUT NAME - 09

PLOT DATE : 1/30/2020 11:04 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:50 FT



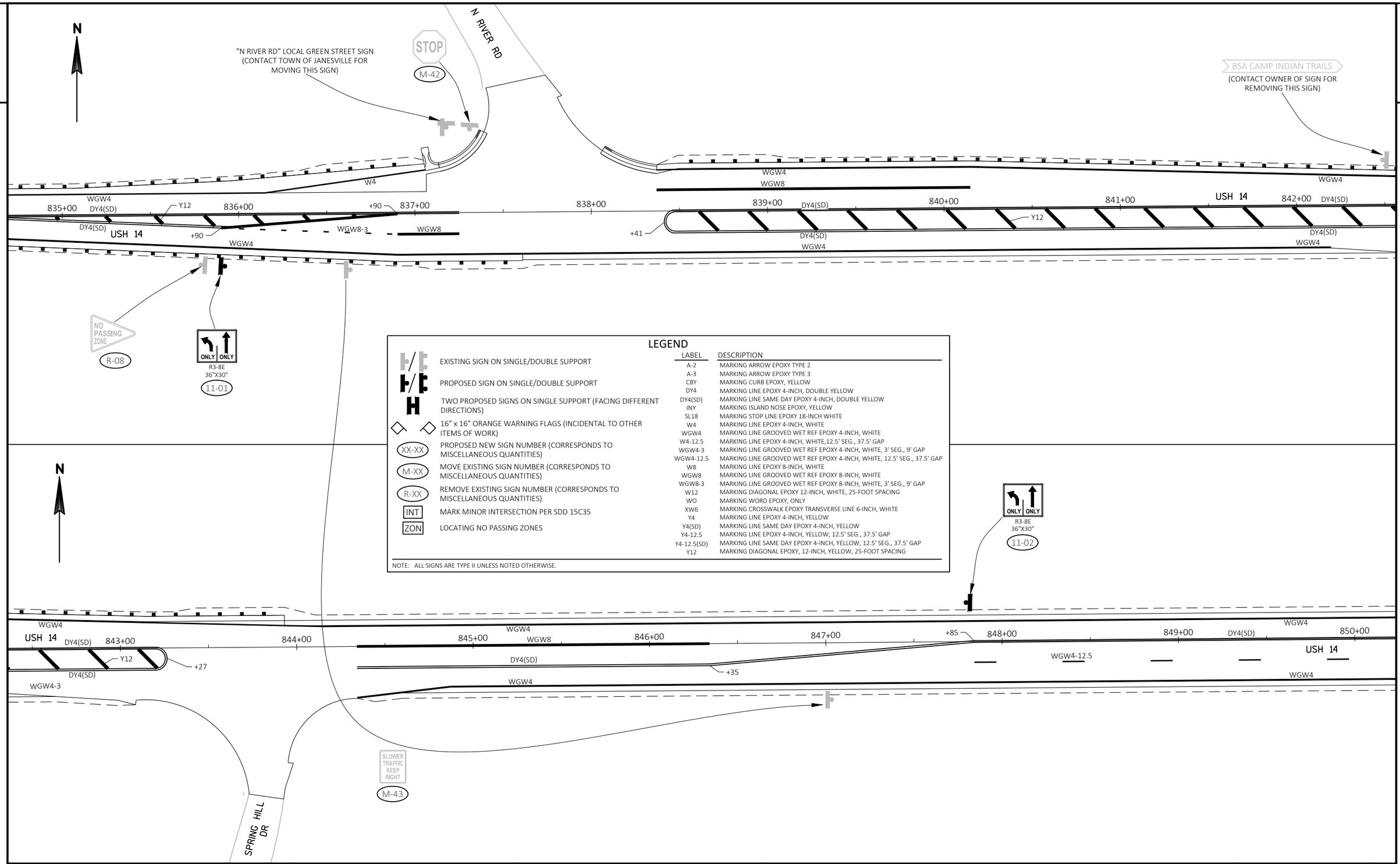
LEGEND

- EXISTING SIGN ON SINGLE/DOUBLE SUPPORT
- PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
- TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
- 16" x 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
- XX-XX — PROPOSED NEW SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
- M-XX — MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
- R-XX — REMOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
- INT — MARK MINOR INTERSECTION PER SDD 15C35
- ZON — LOCATING NO PASSING ZONES

LABEL	DESCRIPTION
A-2	MARKING ARROW EPOXY TYPE 2
A-3	MARKING ARROW EPOXY TYPE 3
CBY	MARKING CURB EPOXY, YELLOW
DY4	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
DY4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, DOUBLE YELLOW
INY	MARKING ISLAND NOSE EPOXY, YELLOW
SL18	MARKING STOP LINE EPOXY 18-INCH WHITE
W4	MARKING LINE EPOXY 4-INCH, WHITE
WGW4	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE
W4-12.5	MARKING LINE EPOXY 4-INCH, WHITE,12.5' SEG., 37.5' GAP
WGW4-3	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 3' SEG., 9' GAP
WGW4-12.5	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
W8	MARKING LINE EPOXY 8-INCH, WHITE
WGW8	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE
WGW8-3	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE, 3' SEG., 9' GAP
W12	MARKING DIAGONAL EPOXY 12-INCH, WHITE, 25-FOOT SPACING
WO	MARKING WORD EPOXY, ONLY
XW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
Y4	MARKING LINE EPOXY 4-INCH, YELLOW
Y4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW
Y4-12.5	MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y4-12.5(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y12	MARKING DIAGONAL EPOXY, 12-INCH, YELLOW, 25-FOOT SPACING

NOTE: ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 84	E



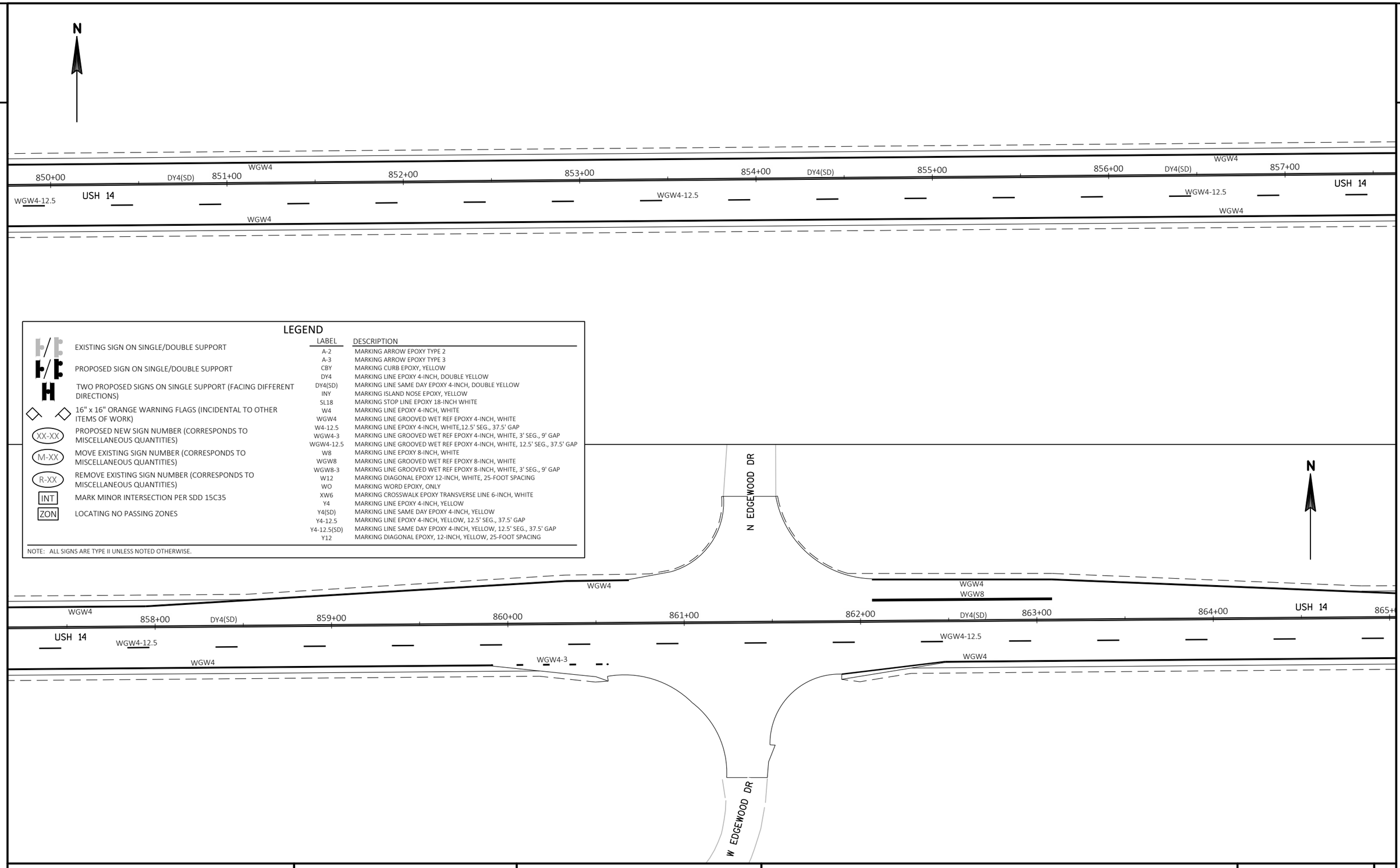
LEGEND

	EXISTING SIGN ON SINGLE/DOUBLE SUPPORT
	PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
H	TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
◇ ◇	16" x 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
XX-XX	PROPOSED NEW SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
M-XX	MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
R-XX	REMOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
INT	MARK MINOR INTERSECTION PER SDD 15C35
ZON	LOCATING NO PASSING ZONES

LABEL	DESCRIPTION
A-2	MARKING ARROW EPOXY TYPE 2
A-3	MARKING ARROW EPOXY TYPE 3
CBY	MARKING CURB EPOXY, YELLOW
DY4	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
DY4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, DOUBLE YELLOW
INY	MARKING ISLAND NOSE EPOXY, YELLOW
SL18	MARKING STOP LINE EPOXY 18-INCH WHITE
W4	MARKING LINE EPOXY 4-INCH, WHITE
WGW4	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE
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WGW4-12.5	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
W8	MARKING LINE EPOXY 8-INCH, WHITE
WGW8	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE
WGW8-3	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE, 3' SEG., 9' GAP
W12	MARKING DIAGONAL EPOXY 12-INCH, WHITE, 25-FOOT SPACING
WO	MARKING WORD EPOXY, ONLY
XW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
Y4	MARKING LINE EPOXY 4-INCH, YELLOW
Y4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW
Y4-12.5	MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y4-12.5(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y12	MARKING DIAGONAL EPOXY, 12-INCH, YELLOW, 25-FOOT SPACING

NOTE: ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 85	E



LEGEND

- EXISTING SIGN ON SINGLE/DOUBLE SUPPORT
- PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
- TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
- 16" x 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
- XX-XX — PROPOSED NEW SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
- M-XX — MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
- R-XX — REMOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
- INT — MARK MINOR INTERSECTION PER SDD 15C35
- ZON — LOCATING NO PASSING ZONES

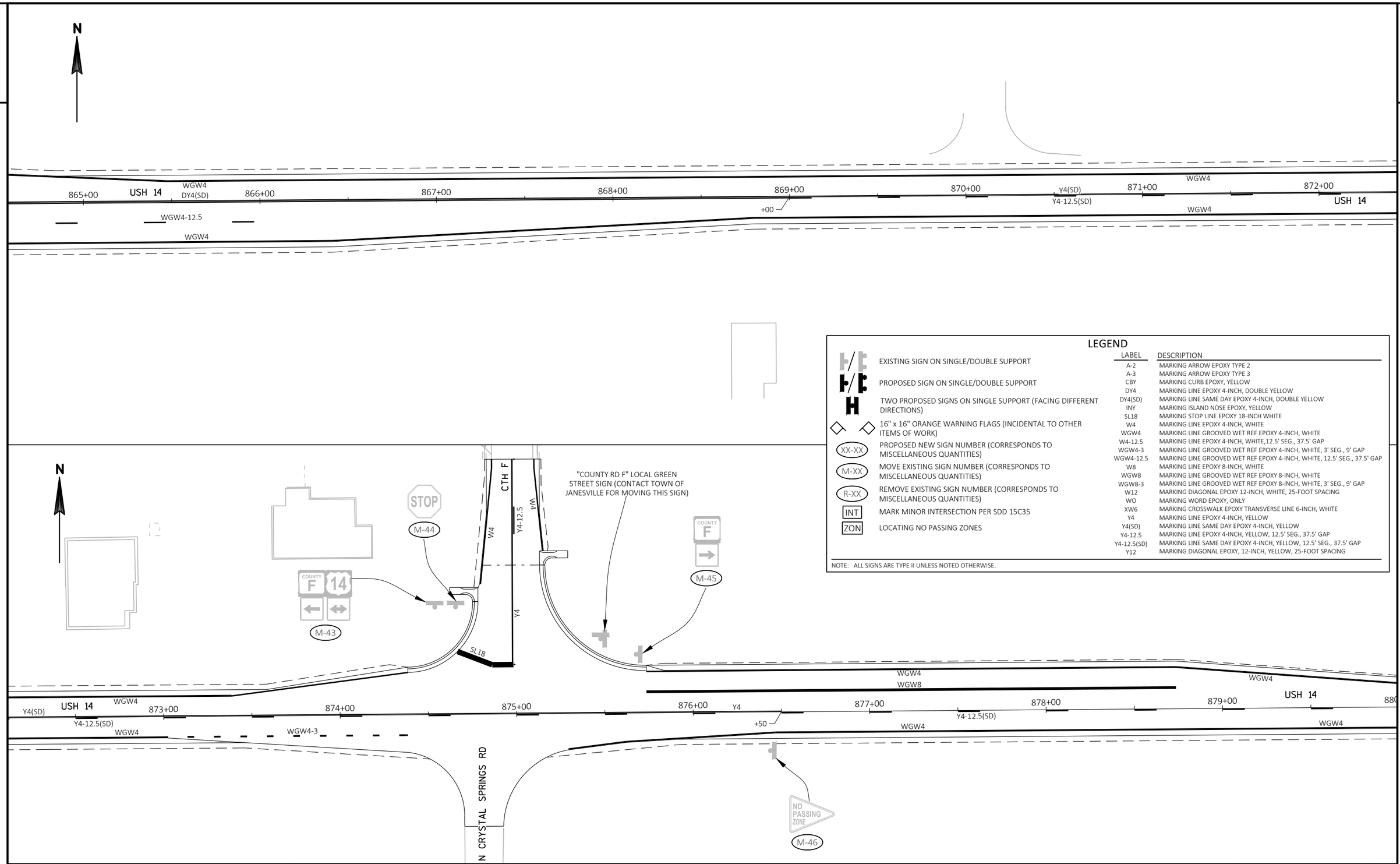
LABEL	DESCRIPTION
A-2	MARKING ARROW EPOXY TYPE 2
A-3	MARKING ARROW EPOXY TYPE 3
CBY	MARKING CURB EPOXY, YELLOW
DY4	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
DY4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, DOUBLE YELLOW
INY	MARKING ISLAND NOSE EPOXY, YELLOW
SL18	MARKING STOP LINE EPOXY 18-INCH WHITE
W4	MARKING LINE EPOXY 4-INCH, WHITE
WGW4	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE
W4-12.5	MARKING LINE EPOXY 4-INCH, WHITE,12.5' SEG., 37.5' GAP
WGW4-3	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 3' SEG., 9' GAP
WGW4-12.5	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
W8	MARKING LINE EPOXY 8-INCH, WHITE
WGW8	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE
WGW8-3	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE, 3' SEG., 9' GAP
W12	MARKING DIAGONAL EPOXY 12-INCH, WHITE, 25-FOOT SPACING
WO	MARKING WORD EPOXY, ONLY
XW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
Y4	MARKING LINE EPOXY 4-INCH, YELLOW
Y4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW
Y4-12.5	MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y4-12.5(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y12	MARKING DIAGONAL EPOXY, 12-INCH, YELLOW, 25-FOOT SPACING

NOTE: ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 86	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\024502_PM.DWG
LAYOUT NAME - 12
PLOT DATE : 1/30/2020 11:04 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



LEGEND

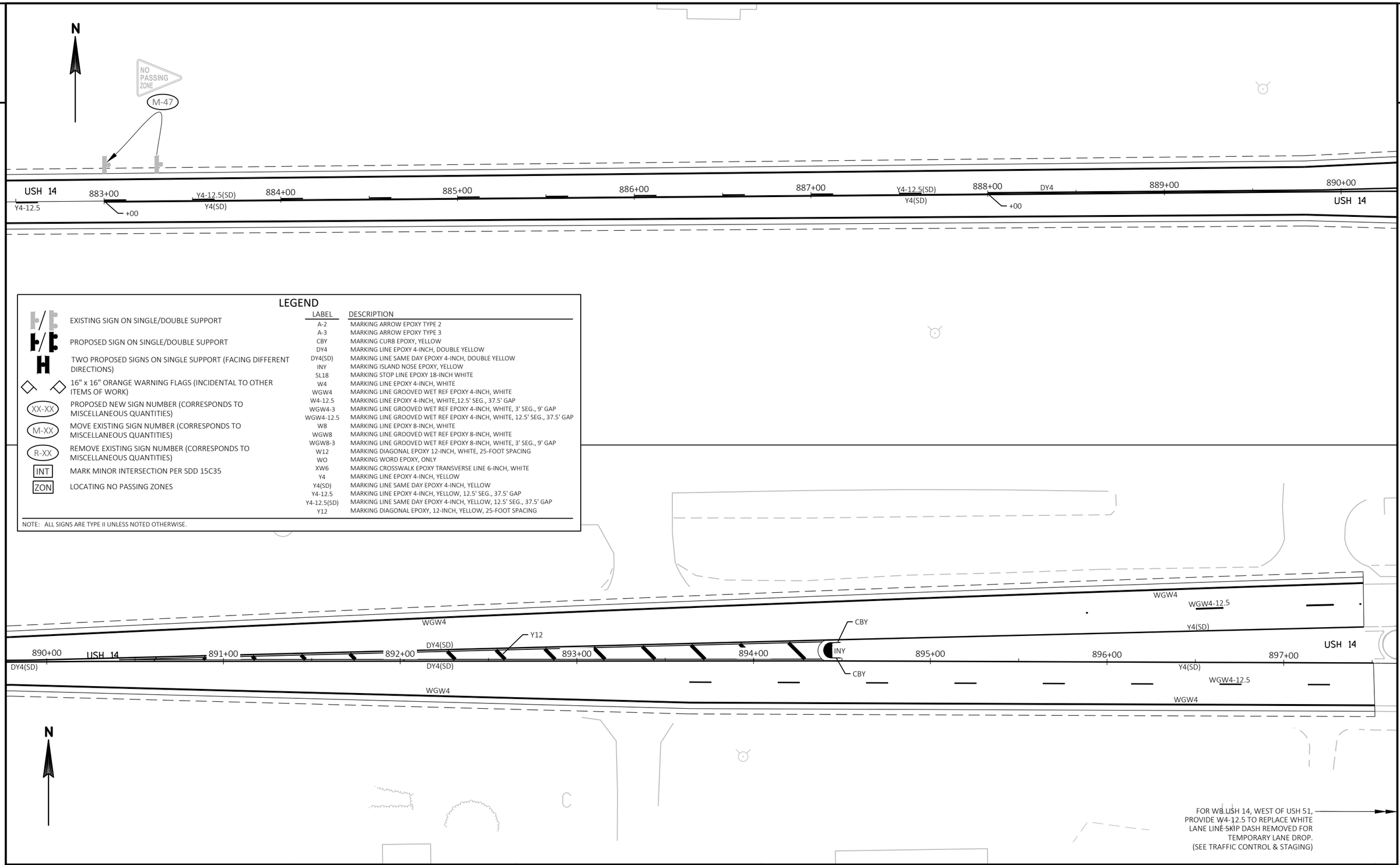
- EXISTING SIGN ON SINGLE/DOUBLE SUPPORT
- PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
- TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
- 16" x 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
- XX-XX — PROPOSED NEW SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
- M-XX — MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
- R-XX — REMOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
- INT — MARK MINOR INTERSECTION PER SDD 15C35
- ZON — LOCATING NO PASSING ZONES

LABEL	DESCRIPTION
A-2	MARKING ARROW EPOXY TYPE 2
A-3	MARKING ARROW EPOXY TYPE 3
CBY	MARKING CURB EPOXY, YELLOW
DY4	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
DY4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, DOUBLE YELLOW
INY	MARKING ISLAND NOSE EPOXY, YELLOW
SL18	MARKING STOP LINE EPOXY 18-INCH WHITE
W4	MARKING LINE EPOXY 4-INCH, WHITE
WGW4	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE
W4-12.5	MARKING LINE EPOXY 4-INCH, WHITE,12.5' SEG., 37.5' GAP
WGW4-3	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 3' SEG., 9' GAP
WGW4-12.5	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
W8	MARKING LINE EPOXY 8-INCH, WHITE
WGW8	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE
WGW8-3	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE, 3' SEG., 9' GAP
W12	MARKING DIAGONAL EPOXY 12-INCH, WHITE, 25-FOOT SPACING
WO	MARKING WORD EPOXY, ONLY
XW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
Y4	MARKING LINE EPOXY 4-INCH, YELLOW
Y4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW
Y4-12.5	MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y4-12.5(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y12	MARKING DIAGONAL EPOXY, 12-INCH, YELLOW, 25-FOOT SPACING

NOTE: ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 87	E

2



LEGEND

- EXISTING SIGN ON SINGLE/DOUBLE SUPPORT
- PROPOSED SIGN ON SINGLE/DOUBLE SUPPORT
- TWO PROPOSED SIGNS ON SINGLE SUPPORT (FACING DIFFERENT DIRECTIONS)
- 16" x 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
- (XX-XX) PROPOSED NEW SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
- (M-XX) MOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
- (R-XX) REMOVE EXISTING SIGN NUMBER (CORRESPONDS TO MISCELLANEOUS QUANTITIES)
- [INT] MARK MINOR INTERSECTION PER SDD 15C35
- [ZON] LOCATING NO PASSING ZONES

LABEL	DESCRIPTION
A-2	MARKING ARROW EPOXY TYPE 2
A-3	MARKING ARROW EPOXY TYPE 3
CBY	MARKING CURB EPOXY, YELLOW
DY4	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
DY4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, DOUBLE YELLOW
INY	MARKING ISLAND NOSE EPOXY, YELLOW
SL18	MARKING STOP LINE EPOXY 18-INCH WHITE
W4	MARKING LINE EPOXY 4-INCH, WHITE
WGW4	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE
W4-12.5	MARKING LINE EPOXY 4-INCH, WHITE,12.5' SEG., 37.5' GAP
WGW4-3	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 3' SEG., 9' GAP
WGW4-12.5	MARKING LINE GROOVED WET REF EPOXY 4-INCH, WHITE, 12.5' SEG., 37.5' GAP
W8	MARKING LINE EPOXY 8-INCH, WHITE
WGW8	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE
WGW8-3	MARKING LINE GROOVED WET REF EPOXY 8-INCH, WHITE, 3' SEG., 9' GAP
W12	MARKING DIAGONAL EPOXY 12-INCH, WHITE, 25-FOOT SPACING
WO	MARKING WORD EPOXY, ONLY
XW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
Y4	MARKING LINE EPOXY 4-INCH, YELLOW
Y4(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW
Y4-12.5	MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y4-12.5(SD)	MARKING LINE SAME DAY EPOXY 4-INCH, YELLOW, 12.5' SEG., 37.5' GAP
Y12	MARKING DIAGONAL EPOXY, 12-INCH, YELLOW, 25-FOOT SPACING

NOTE: ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 88	E

2

N

DETAIL 'A'

CONSTRUCTION NOTES:

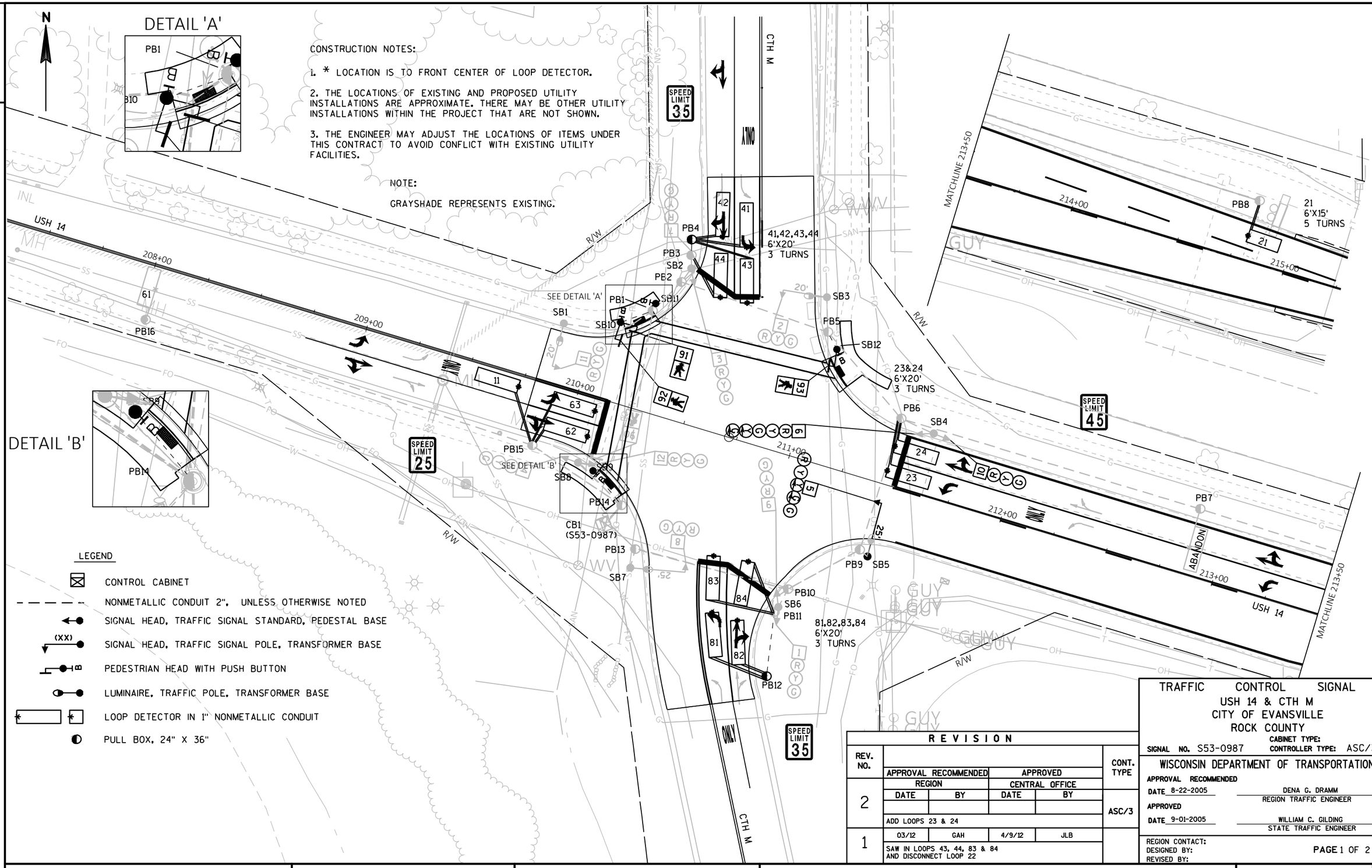
1. * LOCATION IS TO FRONT CENTER OF LOOP DETECTOR.

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

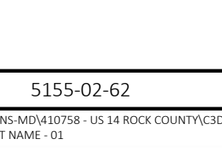
3. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.

NOTE:

GRAYSHADE REPRESENTS EXISTING.



DETAIL 'B'



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"

REVISION					
REV. NO.					CONT. TYPE
	APPROVAL RECOMMENDED		APPROVED		
	REGION		CENTRAL OFFICE		
	DATE	BY	DATE	BY	
2					ASC/3
	ADD LOOPS 23 & 24				
1	03/12	GAH	4/9/12	JLB	
	SAW IN LOOPS 43, 44, 83 & 84 AND DISCONNECT LOOP 22				

TRAFFIC CONTROL SIGNAL
USH 14 & CTH M
CITY OF EVANSVILLE
ROCK COUNTY

CABINET TYPE:
SIGNAL NO. S53-0987 CONTROLLER TYPE: ASC/3

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 8-22-2005 DENA G. DRAMM, REGION TRAFFIC ENGINEER

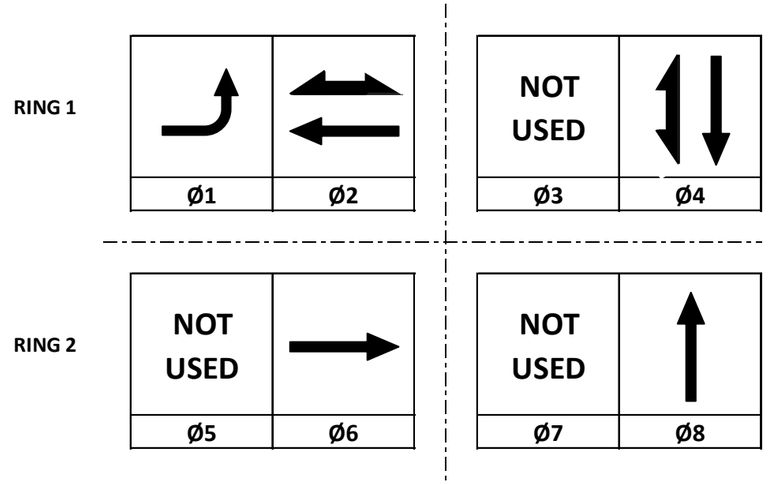
APPROVED
DATE 9-01-2005 WILLIAM C. GILDING, STATE TRAFFIC ENGINEER

REGION CONTACT:
DESIGNED BY:
REVISED BY:

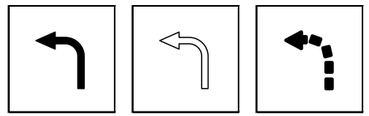
PAGE 1 OF 2

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC SIGNAL PLAN	SHEET 89	E

	HEAD NUMBERS	FLASH
Ø1	5,6	R ←
Ø2	10,11,12	R
Ø3		
Ø4	7,8,9	R
Ø5		
Ø6	4,5,6	R
Ø7		
Ø8	1,2,3	R
Ø2P	92,93	
Ø4P	90,91	
Ø6P		
Ø8P		
OLE		
OLF		
OLG		
OLH		



LEGEND



PHASE OVERLAP FLASHING YELLOW

N

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				X
2	X	6	MIN	X
3				
4		8	---	X
5				
6	X	2	MIN	X
7				
8		4	---	X

FOR INFORMATION ONLY

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR*(S)	11	21	41	42	61		81	82
PHASE CALLED	1	2	4	4	6		8	8
PHASE EXTENDED	1	2	4	4	6		8	8
DISCONNECT TIME								
CALLING DELAY				8				8
EXTENSION STRETCH								
LOOP FUNCTION		SYS			SYS			

19	17	23	21	27	25	31	29	DETECTOR INPUT
								DETECTOR*(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR*(S)	22	23	43	44	62	63	83	84
PHASE CALLED	2	2	4	4	6	6	8	8
PHASE EXTENDED	2	2	4	4	6	6	8	8
DISCONNECT TIME	32	32			22	22		
CALLING DELAY			3	8			3	8
EXTENSION STRETCH								
LOOP FUNCTION	DIS	DIS			DIS	DIS		

20	18	24	22	28	26	32	30	DETECTOR INPUT
								DETECTOR*(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

USH 14 & CTH M
CITY OF EVANSVILLE
ROCK COUNTY

SIGNAL NO: CABINET TYPE:
CONTROLLER TYPE: ASC/3
DATE: 01/20 PAGE NO. 2 OF 2

USH 14 & CTH M					
TRAFFIC SIGNAL CABLING CHART					
NO. 14 CABLE					
CABLE RUN	CABLE	HEAD NO.	MOVEMENT	LENS	CONDUCTOR COLOR
CABINET TO SB-8	15/C	4	EB	R	R
				Y	O
				G	G
		12	WB	R	R/BLK
				Y	O/BLK
				G	G/BLK
		90	Ø4 PED (W LEG)	W	BLU
				DW	BLK
				PB	W/BLK
CABINET TO SB-9	5/C		(W LEG)	PB	W/BLK
CABINET TO SB-10	9/C	91	Ø4 PED (W LEG)	W	G
				DW	R
				PB	O
		92	Ø2 PED (W LEG)	W	BLU
				DW	BLK
CABINET TO SB-11	5/C		(N LEG)	PB	W/BLK
CABINET TO SB-1	15/C	3	NB	R	R/W
				Y	BLK/W
				G	G/W
		7	SB	R	R
				Y	O
				G	G
		11	WB	R	R/BLK
				Y	O/BLK
				G	G/BLK
SB-1 TO SB-2	9/C	3	NB	R	R
				Y	O
				G	G
		7	SB	R	R/BLK
				Y	O/BLK
				G	G/BLK
CABINET TO SB-3	9/C	2	NB	R	R
				Y	O
				G	G
		93	Ø2 PED (N LEG)	W	BLU
				DW	BLK
				PB	W/BLK
SB-3 TO SB-12	5/C	93	Ø2 PED (N LEG)	W	G
				DW	R
				PB	O
CABINET TO SB-4	9/C	6	EB	R	R
				Y	O
				G	G
				Y ←	BLK
				G ←	BLU
		10	WB	R	R/BLK
				Y	O/BLK
				G	G/BLK

USH 14 & CTH M					
TRAFFIC SIGNAL CABLING CHART					
NO. 14 CABLE					
CABLE RUN	CABLE	HEAD NO.	MOVEMENT	LENS	CONDUCTOR COLOR
CABINET TO SB-5	15/C	1	NB	R	R
				Y	O
				G	G
		5	EB	R	R/BLK
				Y	O/BLK
				G	G/BLK
				Y ←	BLK
				G ←	BLU
		9	SB	R	R/W
				Y	BLK/W
				G	G/W
SB-5 TO SB-6	9/C	1	NB	R	R
				Y	O
				G	G
		9	SB	R	R/BLK
				Y	O/BLK
				G	G/BLK
CABINET TO SB-7	5/C	8	SB	R	R
				Y	O
				G	G

USH 14 & CTH M		
LIGHTING CABLING CHART		
NO. 12 UF W/ GROUND		
CABLE	CABLE RUN	LUMINAIRE LOCATION
2/C WITH GROUND	CABINET TO SB-1	NW QUADRANT
	SB-1 TO SB-3	NE QUADRANT
	CABINET TO SB-7	SW QUADRANT
	SB-7 TO SB-5	SE QUADRANT

TRAFFIC CONTROL SIGNAL
USH 14 & CTH M
CITY OF EVANSVILLE
ROCK COUNTY

SIGNAL NO. S53-0987

REGION CONTACT: GRAHAM HEITZ
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CABLE ROUTING PLAN	SHEET 91	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\024201_SP.DWG
LAYOUT NAME - 02
PLOT DATE : 1/31/2020 9:00 AM PLOT BY : HICKMAN, TRISTAN PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

N

2

2

WELL

GUY

GUY

INL

INL

896+00

897+00

898+00

LOOP 61A - 5 TURNS (6'X6')
LOOP 61B - 6 TURNS (6'X6')

61A

61B

PB5

PB4

PB3

MH

TRAFFIC CONTROL SIGNAL
USH 14 & USH 51
CITY OF JANESVILLE
ROCK COUNTY

SIGNAL NO. S53-0306

REGION CONTACT: GRAHAM HEITZ
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	LOOP DETECTOR DETAIL	SHEET 92	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\024201_SP.DWG
LAYOUT NAME - 03

PLOT DATE : 1/30/2020 6:21 PM PLOT BY : HICKMAN, TRISTAN PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

REFERENCED STANDARD DETAIL DRAWINGS

15C2b-D	BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL D)
15C2b-E	BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL E)
15C3-4	BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES (DETAIL 4)
15C4	TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C5	TRAFFIC CONTROL, ADVANCED WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C8	LONGITUDINAL MARKING (MAINLINE)
15C12	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15D12a	TRAFFIC CONTROL, LANE CLOSURE
15D20	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NONFREEWAY/EXPRESSWAY
15D21-C	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE (DETAIL C)
15D28	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY
15D39	TRAFFIC CONTROL, DROP-OFF SIGNING
15D44	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
15D45	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL

TEMPORARY PAVEMENT MARKING & MARKING REMOVAL

R-WB-4	MARKING REMOVAL LINE WATER BLASTING 4-INCH (DESCRIPTION)
TRT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE - SOLID (TEMPORARY CROSSWALK)
TRT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW - SOLID
TRT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH WHITE - SOLID
TRT-SL	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH

OTHER SYMBOLS

- GENERAL WORK AREA
- TRAFFIC FLOW ARROW ONE PER OPEN LANE
- TRAFFIC CONTROL DRUMS (TYPICAL SPACING)
- TRAFFIC CONTROL DRUMS WITH LIGHTS (TYPICAL SPACING)
- FLASHING ARROW BOARD
- TEMPORARY PEDESTRIAN BARRICADE
- EXISTING SIGN (SPEED LIMIT 45)
- EXISTING TYPE II SIGN
- COVERING SIGNS
- PROPOSED TEMPORARY SIGN (ROAD WORK AHEAD, W20-1A)
- SIGN ON TEMPORARY SUPPORT (MOVEABLE SUPPORT MAY BE USED)
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TYPE II BARRICADE WITH ATTACHED SIGN
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- 16" X 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
- PLATE — TEMPORARY PEDESTRIAN SURFACE PLATE (5' WIDE)
- RAMP — TEMPORARY PEDESTRIAN CURB RAMP

NOTES

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 AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

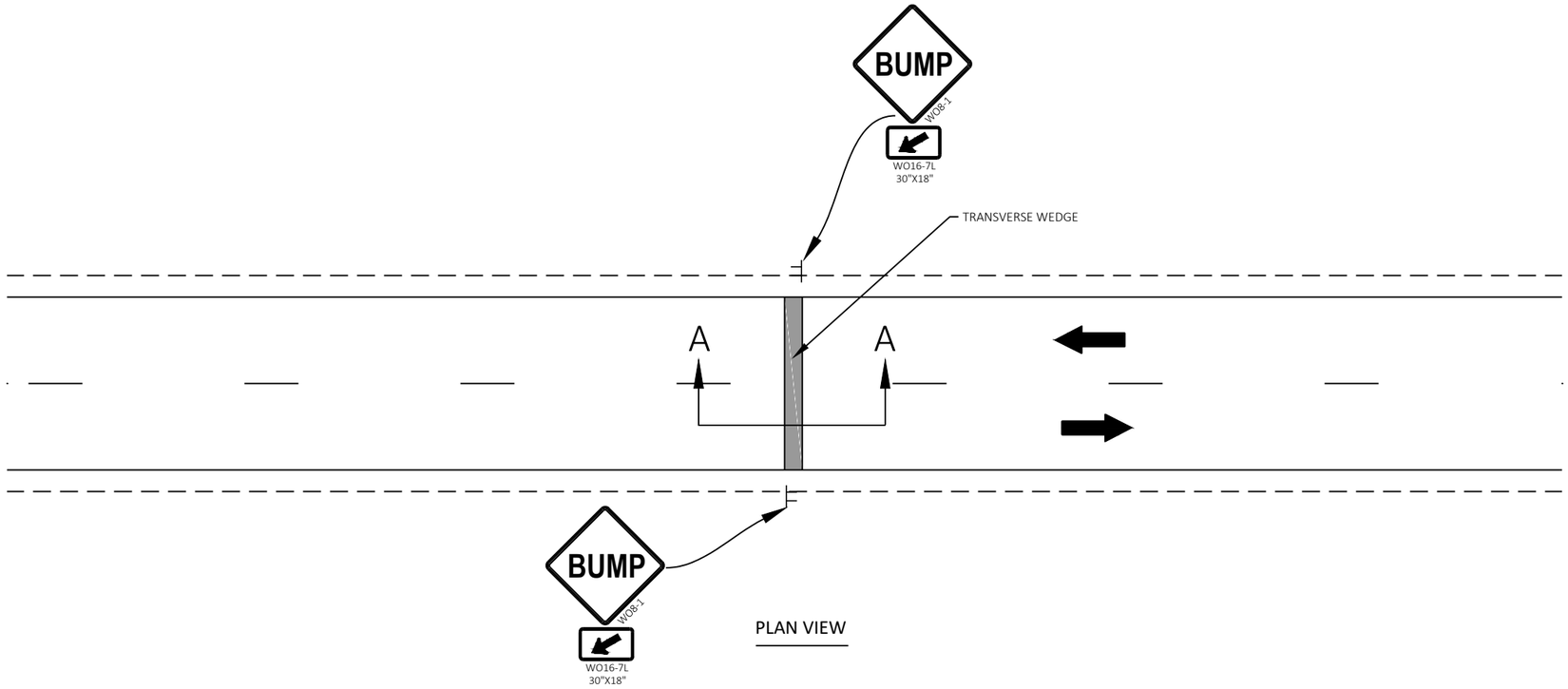
MOUNT ALL PORTABLE TRAFFIC CONTROL SIGNS AT A MINIMUM HEIGHT OF 5 FEET, MEASURED FROM THE BOTTOM OF THE SIGN, ABOVE THE EDGE OF PAVEMENT.

IF EXISTING SIGNS TO BE REMOVED, OR TO BE MOVED TO A NEW PERMANENT LOCATION, ARE FIRST MOVED FOR SERVICE UNDER STAGED CONSTRUCTION, AS APPROVED BY THE ENGINEER, THE SIGNS AND SUPPORTS WILL BE PAID FOR AS "TRAFFIC CONTROL SIGNS".

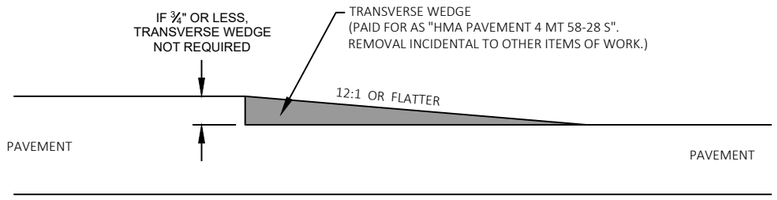
START SHOULDER CLOSURES WITH THE 5 DRUM MINIMUM TAPER, PER SDD 15D28.

2

2



PLAN VIEW



SECTION A-A

DETAIL FOR TEMPORARY TRANSVERSE WEDGE

DANE COUNTY
ROCK COUNTY

Edgerton
Cooksville
Union
Fulton
Evansville
Leyden
Magnolia
Center
Janesville

UNION
PORTER
FULTON
MAGNOLIA
CENTER
JANESVILLE

HOLT RD
E COUNTRYSIDE DR
WATER ST
TOLLES RD
N HACKBARTH RD
UNION PACIFIC RAILROAD
Rock River

BEGIN PROJECT
END PROJECT

OTHERS TO CONCURRENTLY CONSTRUCT CTH F & PROVIDE TRAFFIC CONTROL. SIGNED DETOUR PROVIDED BY OTHERS ON USH 51 & CTH M. SEE SPECIAL PROVISIONS.

PCMS 14-EB
PCMS H-SB
PCMS H-NB
PCMS E-NB
PCMS 14-WB

(WASHINGTON ST)
(PARKER DR)
(MEMORIAL DR)

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - PCMS 1 OF 2 (OVERVIEW)	SHEET E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\025001AC_TC - PCMS.DWG
LAYOUT NAME - PCMS 1 of 2 (OVERVIEW)
PLOT DATE : 1/30/2020 12:54 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:6000 FT

2

PCMS SITE	*STAGE 1 PRE-WARN		*STAGE 2A PRE-WARN	
	FRAME A	FRAME B	FRAME A	FRAME B
14-EB	ROAD WORK BEGINS	D.O.W. MM-DD	HWY 14 CLOSURE BEGINS	D.O.W. MM-DD
14-WB	ROAD WORK BEGINS	D.O.W. MM-DD	HWY 14 CLOSURE BEGINS	D.O.W. MM-DD
H-SB (H-C)	HWY H CLOSURE BEGINS	D.O.W. MM-DD	N/A	
H-NB (H-C)	HWY H CLOSURE BEGINS	D.O.W. MM-DD	N/A	
E-NB (E-C)	N/A		HWY E CLOSURE BEGINS	D.O.W. MM-DD

*MESSAGE IN SERVICE FOR 7 DAYS IMMEDIATELY PRECEDING THE CONDITION.
D.O.W. = DAY OF WEEK (MONDAY, TUESDAY, ETC.)
(E-C) CTH E CLOSURE ASSUMED TO OCCUR STAGE 2A, BUT IT IS ALSO PERMITTED STAGE 1.
(H-C) CTH H CLOSURE ASSUMED TO OCCUR STAGE 1, BUT IT IS ALSO PERMITTED STAGE 2A.

ASSUME CONSTRUCTED STAGE 2A, BUT PERMITTED STAGE 1

CITY OF EVANSVILLE

COUNTY M

E. MAIN ST

14

JOHN LINDEMANN DR

N TERRITORIAL RD

N WEARY RD

N TOLLES RD

W GIBBS LAKE RD

N WILDER RD

END ROAD WORK
G20-2A
48"X24"

ROAD WORK NEXT 11 MILES
G20-1
60"X24"

ROAD WORK AHEAD
W20-1A

210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380

15D45
- RECONSTRUCT PAVEMENT STA 54+00'TR' TO STA 56+75'TR'
- WO13-1 = "25" MPH (SEE SPECIAL PROVISIONS)

IF INSTALL CROSS CULVERT STAGE 1, PAVE AT LEAST TWO LAYERS OF HMA PAVEMENT BEFORE REOPENING TO TRAFFIC.

15D45
- CROSS CULVERT AT STA 311+20
- WO13-1 = "45" MPH (SEE SPECIAL PROVISIONS)

15C8 *
15C12
15D39
15D44

UNION PACIFIC RR

UNION TOWNSHIP

PORTER TOWNSHIP

PORTER TOWNSHIP
CENTER TOWNSHIP

N TUTTLE RD

LEGEND

- GENERAL WORK AREA
- PROPOSED TEMPORARY SIGN
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- 15C8 LONGITUDINAL MARKING (MAINLINE)
- 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
- 15D28 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY
- 15D39 TRAFFIC CONTROL, DROP-OFF SIGNING
- 15D44 TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
- 15D45 TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
- * SEE SPECIAL PROVISIONS

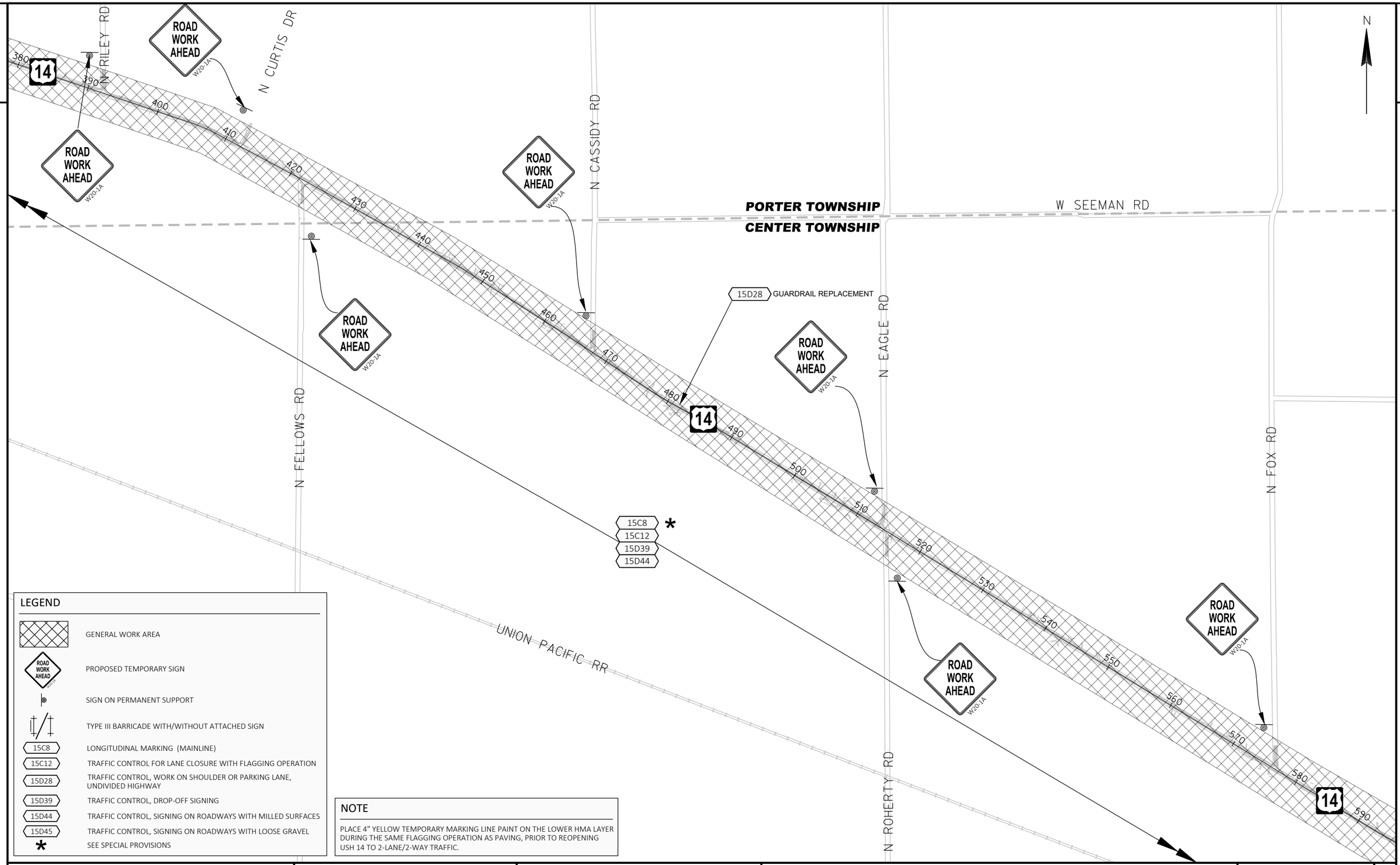
NOTE

PLACE 4" YELLOW TEMPORARY MARKING LINE PAINT ON THE LOWER HMA LAYER DURING THE SAME FLAGGING OPERATION AS PAVING, PRIOR TO REOPENING USH 14 TO 2-LANE/2-WAY TRAFFIC.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - STAGE 1	SHEET 97	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\025001AD_STG 1.DWG
LAYOUT NAME - 01

PLOT DATE : 2/3/2020 9:30 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ############



LEGEND

- GENERAL WORK AREA
- PROPOSED TEMPORARY SIGN (ROAD WORK AHEAD W20-1A)
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- 15C8 — LONGITUDINAL MARKING (MAINLINE)
- 15C12 — TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
- 15D28 — TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY
- 15D39 — TRAFFIC CONTROL, DROP-OFF SIGNING
- 15D44 — TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
- 15D45 — TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
- * — SEE SPECIAL PROVISIONS

NOTE

PLACE 4" YELLOW TEMPORARY MARKING LINE PAINT ON THE LOWER HMA LAYER DURING THE SAME FLAGGING OPERATION AS PAVING, PRIOR TO REOPENING USH 14 TO 2-LANE/2-WAY TRAFFIC.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - STAGE 1	SHEET 98	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\025001AD_STG 1.DWG
LAYOUT NAME - 02

PLOT DATE : 2/3/2020 9:30 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ############

2

2

N

ROCK RIVER

N CONNER RD

N FITZSIMMONS RD

N RIVERS EDGE DR

COUNTY H

14 M1-4 24"X24"

ROAD WORK AHEAD W20-1A

590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780

14

N CONNER RD

N HARVEST VIEW DR

N LEITH RD

15C8
15C12
15D39
15D44
*

N POLZIN RD

UNION PACIFIC RR

N BURDICK RD

CENTER TOWNSHIP

JANESVILLE TOWNSHIP

LEGEND

- GENERAL WORK AREA
- PROPOSED TEMPORARY SIGN
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- 15C8 LONGITUDINAL MARKING (MAINLINE)
- 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
- 15D28 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY
- 15D39 TRAFFIC CONTROL, DROP-OFF SIGNING
- 15D44 TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
- 15D45 TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
- * SEE SPECIAL PROVISIONS

NOTE

PLACE 4" YELLOW TEMPORARY MARKING LINE PAINT ON THE LOWER HMA LAYER DURING THE SAME FLAGGING OPERATION AS PAVING, PRIOR TO REOPENING USH 14 TO 2-LANE/2-WAY TRAFFIC.

CTH H MAY BE FULLY CLOSED FOR RECONSTRUCTION DURING STAGE 1 OR STAGE 2A. SEE DETAIL AND SPECIAL PROVISIONS.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - STAGE 1	SHEET 99	E

FILE NAME : C:\WORK FROM HOME\41078600 - USH 14\025001AD_STG 1.DWG
LAYOUT NAME - 03

PLOT DATE : 4/2/2020 7:20 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ############

WISDOT/CADDS SHEET 42

2

ASSUME TO BE CONSTRUCTED STAGE 2A
BUT PERMITTED STAGE 1

JANESVILLE TOWNSHIP

OTHERS TO CONCURRENTLY CONSTRUCT CTH F & PROVIDE TRAFFIC CONTROL. SIGNED DETOUR PROVIDED BY OTHERS ON USH 51 & CTH M. SEE SPECIAL PROVISIONS.

ROAD WORK AHEAD
W20-1A

ROAD WORK NEXT 11 MILES
G20-1
60"X24"

STA. 880+25

780 14 790 800 810 820 830 840 850 860 870 880 890 900

N ROBINSON LN

N RIVER RD

N EDGEWOOD DR

COUNTY F

51

W EDGEWOOD DR

W RIVER DR

HILL SPRING DR

N CRYSTAL SPRINGS RD

14

N HACKBARTH RD

ROCK RIVER

END ROAD WORK
G20-2A
48"X24"

WEST 14
M3-4
24"X12"
M1-4
24"X24"

15C8 *
15C12
15D39
15D44

COUNTY E

ASSUME CONSTRUCTED STAGE 2A, BUT PERMITTED STAGE 1 WITH INTERMITTENT OVERNIGHT APPLICATION OF TEMPORARILY RELOCATED WB LANE CLOSURE.

51

CITY OF JANESVILLE

UNION PACIFIC RR

JANESVILLE TOWNSHIP

N

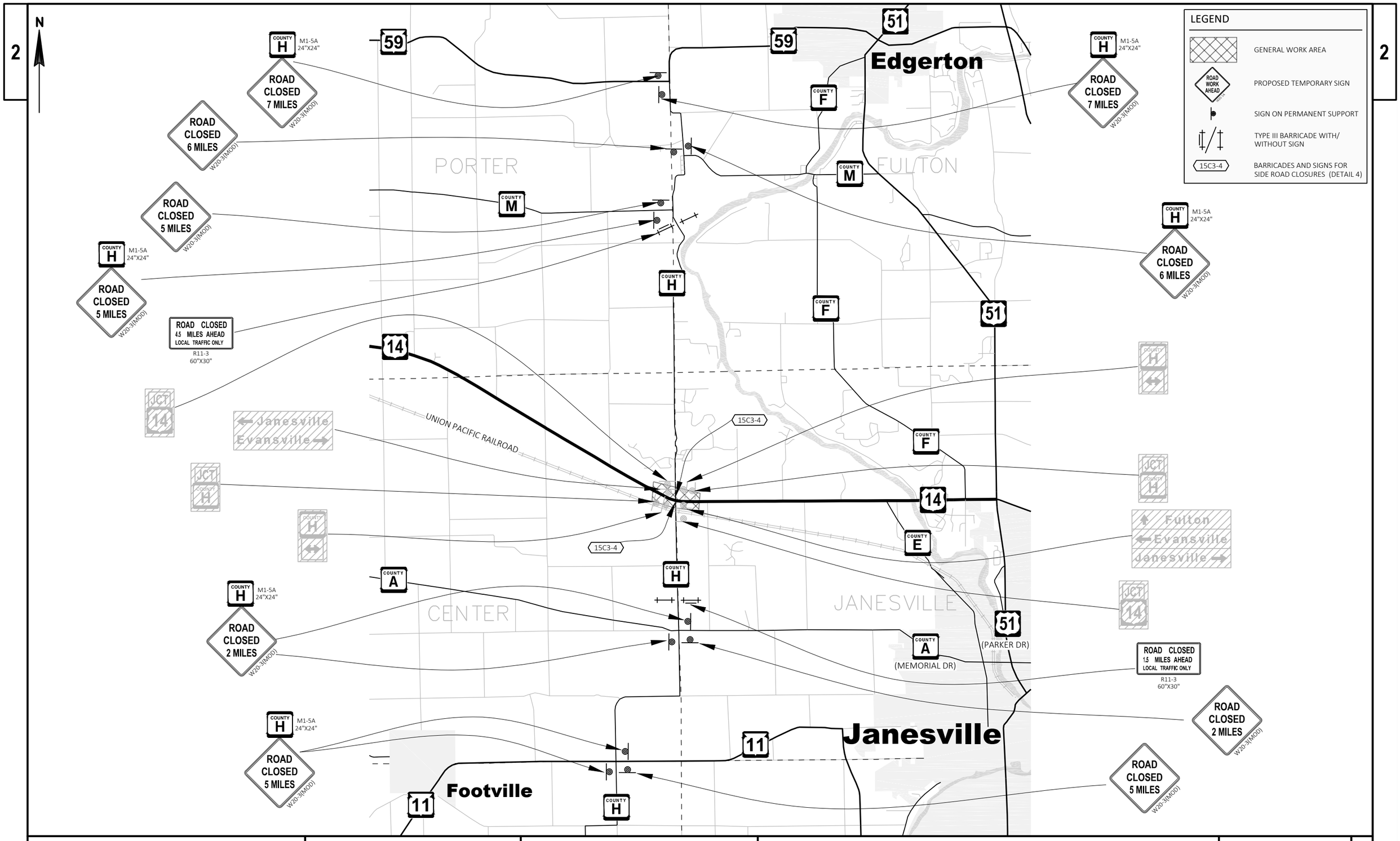
LEGEND

	GENERAL WORK AREA
ROAD WORK AHEAD	PROPOSED TEMPORARY SIGN
	SIGN ON PERMANENT SUPPORT
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
15C8	LONGITUDINAL MARKING (MAINLINE)
15C12	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15D28	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY
15D39	TRAFFIC CONTROL, DROP-OFF SIGNING
15D44	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
15D45	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
*	SEE SPECIAL PROVISIONS

NOTE

PLACE 4" YELLOW TEMPORARY MARKING LINE PAINT ON THE LOWER HMA LAYER DURING THE SAME FLAGGING OPERATION AS PAVING, PRIOR TO REOPENING USH 14 TO 2-LANE/2-WAY TRAFFIC.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - STAGE 1	SHEET 100	E



PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CTH CLOSURE - STAGE 1 OR STAGE 2A	SHEET 101	E

FILE NAME : C:\WORK FROM HOME\41078600 - USH 14\025001AE1_CTH H CLOSURE - STAGE 1 TO STAGE 2A.DWG
LAYOUT NAME - 01

PLOT DATE : 4/6/2020 7:31 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:7000 FT

WISDOT/CADDS SHEET 42

2

N

END ROAD WORK
G20-2A
48"X24"

EXISTING TRAFFIC SIGNAL IN SERVICE (SEE SPECIAL PROVISIONS)

SEE DETAIL FOR TRAFFIC CONTROL - SIDEWALKS

15C3-4

COUNTY M

CITY OF EVANSVILLE

TRT-SL
(ALL APPROACHES)

14

E. MAIN ST

JOHN LINDEMANN DR

N TERRITORIAL RD

N TOLLES RD

W GIBBS LAKE RD

N WILDER RD

N WEARY RD

ROAD WORK NEXT 13 MILES
G20-1
60"X24"

15C2b-E

15C3-4

BRIDGE OUT
11 MILES AHEAD
R11-3C
60"X24"

15C3-4

15C3-4

15C3-4

15C3-4

15C3-4

15D45
- RECONSTRUCT PAVEMENT
STA. 54+00'TR' TO STA. 56+75'TR'
- WO13-1 = "25"MPH (SEE SPECIAL PROVISIONS)

15D45
- CROSS CULVERT AT STA. 311+20
- WO13-1 = "35"MPH (SEE SPECIAL PROVISIONS)

15C3-4

15C3-4

15C12
15D39
15D44

UNION PACIFIC RR

UNION TOWNSHIP

PORTER TOWNSHIP

PORTER TOWNSHIP
CENTER TOWNSHIP

N TUTTLE RD

LEGEND

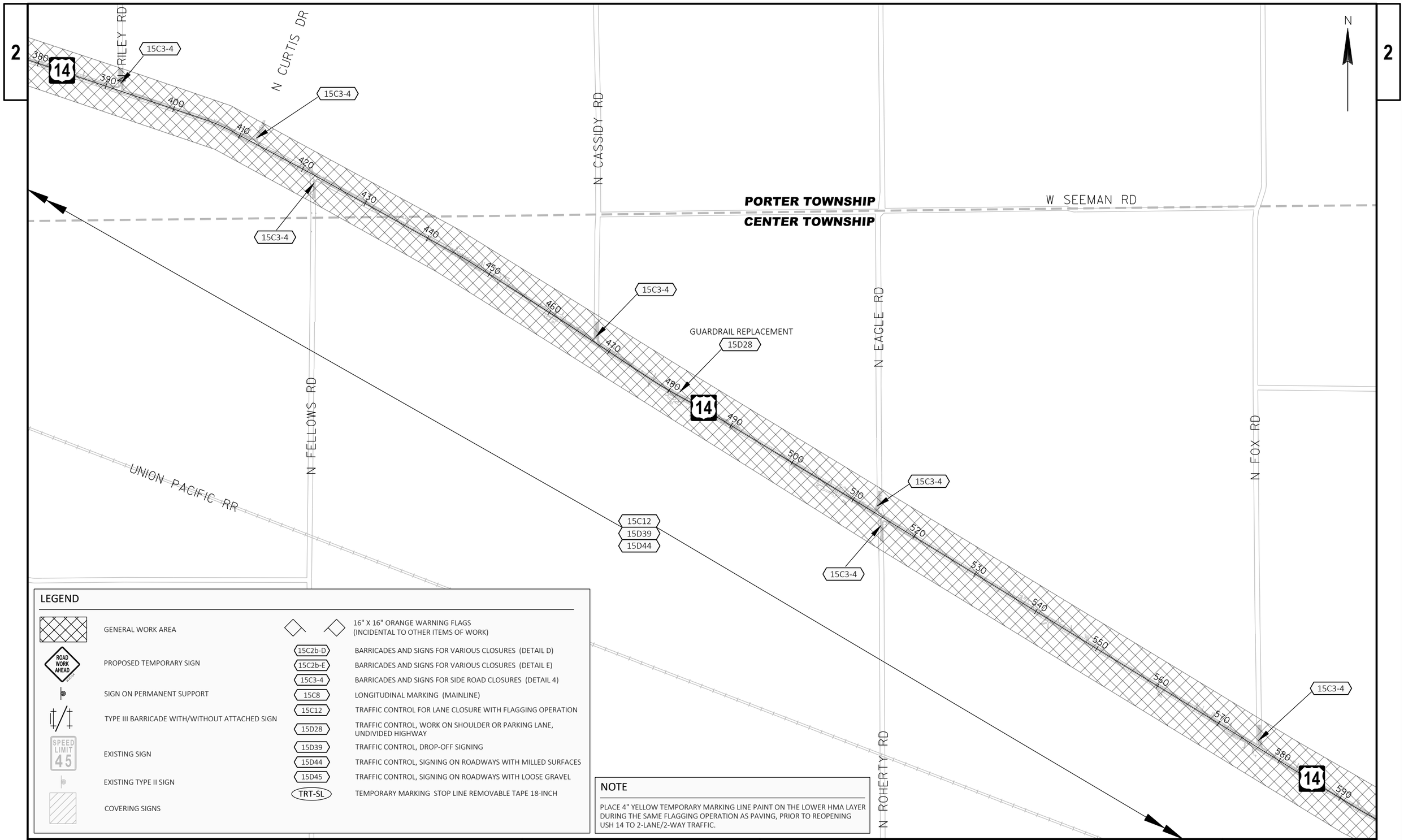
- GENERAL WORK AREA
- PROPOSED TEMPORARY SIGN (ROAD WORK AHEAD)
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- EXISTING SIGN (SPEED LIMIT 45)
- EXISTING TYPE II SIGN
- COVERING SIGNS
- 16" X 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
- 15C2b-D — BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL D)
- 15C2b-E — BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL E)
- 15C3-4 — BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES (DETAIL 4)
- 15C8 — LONGITUDINAL MARKING (MAINLINE)
- 15C12 — TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
- 15D28 — TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY
- 15D39 — TRAFFIC CONTROL, DROP-OFF SIGNING
- 15D44 — TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
- 15D45 — TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
- TRT-SL — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH

NOTE

PLACE 4" YELLOW TEMPORARY MARKING LINE PAINT ON THE LOWER HMA LAYER DURING THE SAME FLAGGING OPERATION AS PAVING, PRIOR TO REOPENING USH 14 TO 2-LANE/2-WAY TRAFFIC.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - STAGE 2A	SHEET 102	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\025001AG_STG 2A.DWG
LAYOUT NAME - 01
PLOT DATE : 2/26/2020 2:44 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : ############
WISDOT/CADDS SHEET 42



LEGEND

- GENERAL WORK AREA
- PROPOSED TEMPORARY SIGN (ROAD WORK AHEAD)
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- EXISTING SIGN (SPEED LIMIT 45)
- EXISTING TYPE II SIGN
- COVERING SIGNS
- 16" X 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
- 15C2b-D — BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL D)
- 15C2b-E — BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL E)
- 15C3-4 — BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES (DETAIL 4)
- 15C8 — LONGITUDINAL MARKING (MAINLINE)
- 15C12 — TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
- 15D28 — TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY
- 15D39 — TRAFFIC CONTROL, DROP-OFF SIGNING
- 15D44 — TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
- 15D45 — TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
- TRT-SL — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH

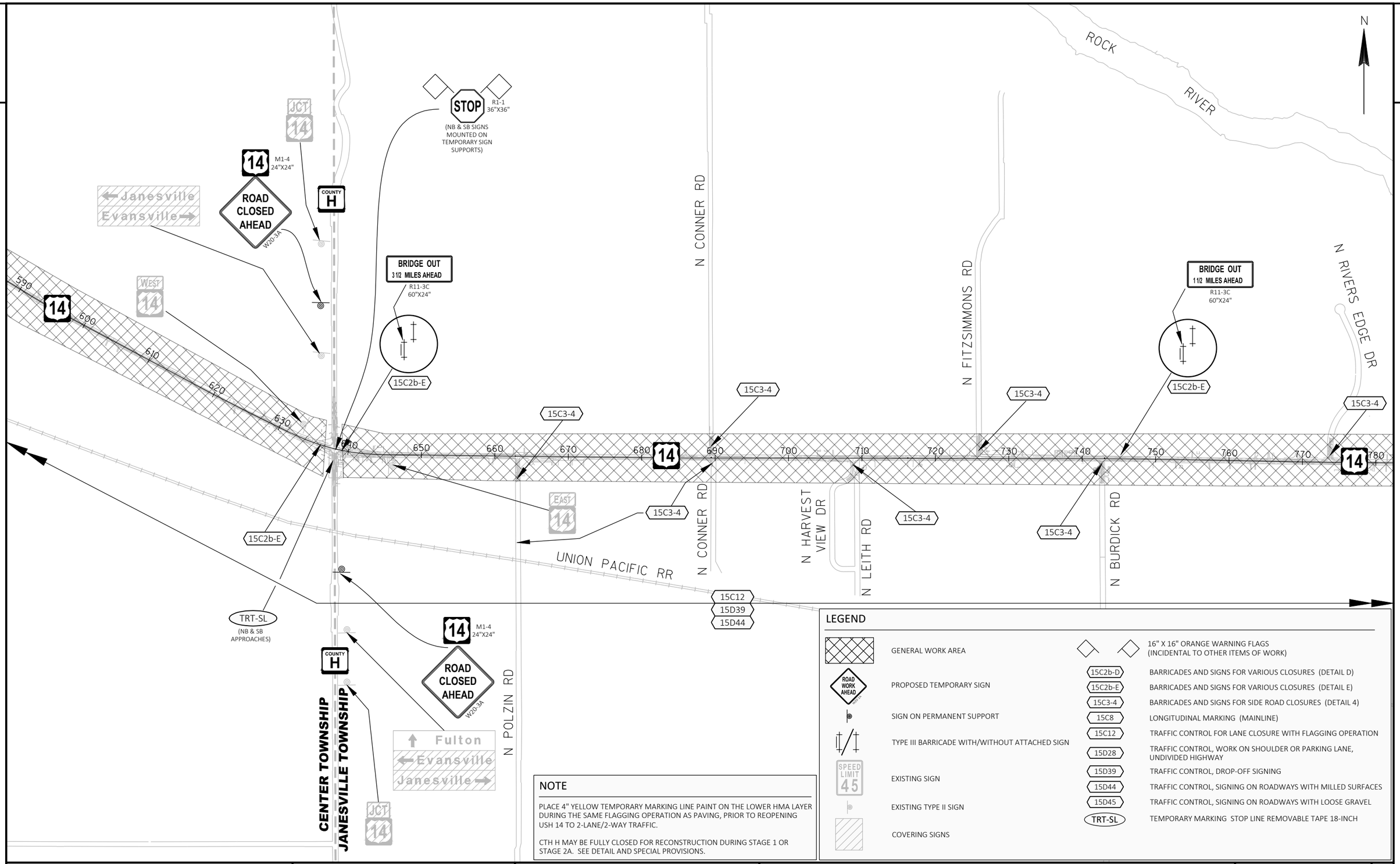
NOTE

PLACE 4" YELLOW TEMPORARY MARKING LINE PAINT ON THE LOWER HMA LAYER DURING THE SAME FLAGGING OPERATION AS PAVING, PRIOR TO REOPENING USH 14 TO 2-LANE/2-WAY TRAFFIC.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - STAGE 2A	SHEET 103	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\025001AG_STG 2A.DWG
LAYOUT NAME - 02

PLOT DATE : 2/3/2020 9:36 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ############



NOTE

PLACE 4" YELLOW TEMPORARY MARKING LINE PAINT ON THE LOWER HMA LAYER DURING THE SAME FLAGGING OPERATION AS PAVING, PRIOR TO REOPENING USH 14 TO 2-LANE/2-WAY TRAFFIC.

CTH H MAY BE FULLY CLOSED FOR RECONSTRUCTION DURING STAGE 1 OR STAGE 2A. SEE DETAIL AND SPECIAL PROVISIONS.

LEGEND

- GENERAL WORK AREA
- PROPOSED TEMPORARY SIGN
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- EXISTING SIGN
- EXISTING TYPE II SIGN
- COVERING SIGNS
- 16" X 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
- 15C2b-D — BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL D)
- 15C2b-E — BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL E)
- 15C3-4 — BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES (DETAIL 4)
- 15C8 — LONGITUDINAL MARKING (MAINLINE)
- 15C12 — TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
- 15D28 — TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY
- 15D39 — TRAFFIC CONTROL, DROP-OFF SIGNING
- 15D44 — TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
- 15D45 — TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
- TRT-SL — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - STAGE 2A	SHEET 104 E

2

2

N

JANESVILLE TOWNSHIP

ROCK RIVER

OTHERS TO CONCURRENTLY CONSTRUCT CTH F & PROVIDE TRAFFIC CONTROL. SIGNED DETOUR PROVIDED ON USH 51 AND CTH M. SEE SPECIAL PROVISIONS.

COORDINATE WITH MAINTAINING AUTHORITY FOR POSSIBLE TEMPORARY RETIMING OF EXISTING TRAFFIC SIGNAL (SEE SPECIAL PROVISIONS)

* WHEN CTH E IS FULLY CLOSED FOR RECONSTRUCTION (SEE SPECIAL PROVISIONS)

BRIDGE OUT
3/4 MILES AHEAD
R11-3C
60"X24"

15C3-4

15D45
-RECONSTRUCT INTERSECTION
-WO13-1 = 15 MPH
(SEE SPECIAL PROVISIONS)

STA. 880+25

GUARDRAIL REPLACEMENT

15D28

N ROBINSON LN

N RIVER RD

N EDGEWOOD DR

W EDGEWOOD DR

780 790 800 810 820 830 840 850 860 870 880 890 900

ROAD CLOSED 500 FT
W20-3D

(PLACE IN CLOSED LEFT THRU LANE)

W0A-2L

TEMPORARY LANE DROP (SEE DETAILS)

LEFT LANE CLOSED AHEAD
W20-5A

ROAD CLOSED 1 MILE
W20-3F

ROAD CLOSED 1000 FT
W20-3C

500' 500' 1500'

W RIVER DR

SPRING HILL DR

N HACKBARTH RD

N CRYSTAL SPRINGS RD

BRIDGE OUT
R11-2B
48"X30"

BRIDGE OUT
1/4 MILES AHEAD
R11-3C
60"X24"

ROCK RIVER

UNION PACIFIC RR

TEMPORARY RELOCATION OF WB LANE DROP ASSUMED STAGE 2A, BUT PERMITTED STAGE 1, OR STAGE 2B, OR STAGE 3.

CITY OF JANESVILLE

JANESVILLE TOWNSHIP

15C12
15D39
15D44

LEGEND

- GENERAL WORK AREA
- PROPOSED TEMPORARY SIGN (ROAD WORK AHEAD)
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- EXISTING SIGN (SPEED LIMIT 45)
- EXISTING TYPE II SIGN
- COVERING SIGNS
- 16" X 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
- 15C2b-D BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL D)
- 15C2b-E BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL E)
- 15C3-4 BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES (DETAIL 4)
- 15C8 LONGITUDINAL MARKING (MAINLINE)
- 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
- 15D28 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY
- 15D39 TRAFFIC CONTROL, DROP-OFF SIGNING
- 15D44 TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
- 15D45 TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
- TRT-SL TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH

NOTE

PLACE 4" YELLOW TEMPORARY MARKING LINE PAINT ON THE LOWER HMA LAYER DURING THE SAME FLAGGING OPERATION AS PAVING, PRIOR TO REOPENING USH 14 TO 2-LANE/2-WAY TRAFFIC.

DO NOT CONCURRENTLY CLOSE CTH E AND HACKBARTH RD.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - STAGE 2A	SHEET 105 E

FILE NAME : C:\WORK FROM HOME\41078600 - USH 14\025001AG_STG 2A.DWG
LAYOUT NAME - 04

PLOT DATE : 4/3/2020 7:17 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ############

WISDOT/CADDS SHEET 42

2

CITY OF JANESVILLE

OPM OMIT PAVEMENT MARKING IF RELOCATED LANE CLOSURE OCCURS DURING STAGE 1 OF STAGE 3, REQUIRING CLOSURE THAT IS INTERMITTENT OVERNIGHT, NOT CONTINUOUS.

BLACKHAWK TECHNICAL COLLEGE:
CENTER FOR TRANSPORTATION STUDIES

ROAD CLOSED AHEAD
W20-3A

BRIDGE OUT
1 1/4 MILES AHEAD
R11-3C
60"X24"

ROAD OPEN TO
BLACKHAWK TECH
R10-61(MOD)
60"X30"

OPM
TRT-4Y

WEST 14

890

900

50' TYP

100' MIN TAPER

15C2b-E

LIMIT CONSTRUCTION TO NON-CLASS HOURS
FOR THE COLLEGE (SEE SPECIAL PROVISIONS)

WO1-6
48"X24"

END
ROAD WORK
G20-2A
48"X24"

CITY OF JANESVILLE

51

14

N

LEGEND

GENERAL WORK AREA	EXISTING SIGN
TRAFFIC FLOW ARROW ONE PER OPEN LANE	
TRAFFIC CONTROL DRUMS (TYPICAL SPACING)	EXISTING TYPE II SIGN
TRAFFIC CONTROL DRUMS WITH LIGHTS (TYPICAL SPACING)	COVERING SIGNS
FLASHING ARROW BOARD	
PROPOSED TEMPORARY SIGN	15C2b-E BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL E)
	15D21-C TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE (DETAIL C)
SIGN ON TEMPORARY SUPPORT (MOVEABLE SUPPORT MAY BE USED)	R-WB-4 MARKING REMOVAL LINE WATER BLASTING 4-INCH (DESCRIPTION)
SIGN ON PERMANENT SUPPORT	TRT-4Y TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW - SOLID
	TRT-8W TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH WHITE - SOLID
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - TEMPORARILY RELOCATE WB LANE CLOSURE - ASSUMED STAGE 2A	SHEET	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\025001AG_STG 2A.DWG
LAYOUT NAME - 05

PLOT DATE : 2/3/2020 9:36 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ############

2

OPM OMIT PAVEMENT MARKING IF RELOCATED LANE CLOSURE OCCURS DURING STAGE 1 OF STAGE 3, REQUIRING CLOSURE THAT IS INTERMITTENT OVERNIGHT, NOT CONTINUOUS.

N

LEGEND

- GENERAL WORK AREA
- TRAFFIC FLOW ARROW ONE PER OPEN LANE
- TRAFFIC CONTROL DRUMS (TYPICAL SPACING)
- TRAFFIC CONTROL DRUMS WITH LIGHTS (TYPICAL SPACING)
- FLASHING ARROW BOARD
- PROPOSED TEMPORARY SIGN (ROAD WORK AHEAD)
- SIGN ON TEMPORARY SUPPORT (MOVEABLE SUPPORT MAY BE USED)
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- EXISTING SIGN (SPEED LIMIT 45)
- EXISTING TYPE II SIGN
- COVERING SIGNS
- 15C2b-E — BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL E)
- 15D21-C — TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE (DETAIL C)
- R-WB-4 — MARKING REMOVAL LINE WATER BLASTING 4-INCH (DESCRIPTION)
- TRT-4Y — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW - SOLID
- TRT-8W — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH WHITE - SOLID

51

14

15D21-C

BEGIN LEFT TURN LANE
R3-20L
24"X36"

100' MIN. TAPER

TRT-4Y

25' TYP

16' MIN. CLEAR

20' MIN CLEAR

TRT-8W

OPM

IP

POST

OPM

R-WB-4
(WHITE LANE LINE DASH)

LANE CLOSED
R11-2L
48"X30"

25' TYP

OPM

R-WB-4
(WHITE LANE LINE DASH)

TRT-4Y

50' TYP

DRUMS AT 10' INTERVAL

550' LANE DROP

GUY

SIGN

51

14

CITY OF JANESVILLE

2

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - TEMPORARILY RELOCATE WB LANE CLOSURE - ASSUMED STAGE 2A	SHEET 107	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\025001AG_STG 2A.DWG
LAYOUT NAME - 06
PLOT DATE : 2/3/2020 9:36 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ############
WISDOT/CADDS SHEET 42

2

COORDINATE WITH MAINTAINING AUTHORITY FOR POSSIBLE TEMPORARY RETIMING OF EXISTING TRAFFIC SIGNALS. (SEE SPECIAL PROVISIONS)

BEGIN PROJECT

COORDINATE WITH MAINTAINING AUTHORITY FOR POSSIBLE TEMPORARY RETIMING OF EXISTING TRAFFIC SIGNALS. (SEE SPECIAL PROVISIONS)

COORDINATE WITH MAINTAINING AUTHORITY FOR POSSIBLE TEMPORARY RETIMING OF EXISTING TRAFFIC SIGNAL. (SEE SPECIAL PROVISIONS)

END PROJECT

Cooksville

Union

Fulton

Edgerton

Evansville

Leyden

Center

Janesville

UNION

PORTER

FULTON

CENTER

TOLLES RD

Rock River

UNION PACIFIC RAILROAD

SEE DETAIL

(WASHINGTON ST)

(PARKER DR)

LEGEND

- GENERAL WORK AREA
- PROPOSED TEMPORARY SIGN
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- EXISTING SIGN
- EXISTING TYPE II SIGN
- COVERING SIGNS

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	USH 14 DETOUR - STAGES 2A & 2B	SHEET

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\025001AF_USH 14 DETOUR - STAGE 2.DWG
LAYOUT NAME - 01

PLOT DATE : 1/24/2020 2:57 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : 1 IN:1 MI

WISDOT/CADDS SHEET 42

2

N

LEGEND

- GENERAL WORK AREA
- PROPOSED TEMPORARY SIGN
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- EXISTING SIGN
- EXISTING TYPE II SIGN
- COVERING SIGNS

ROAD OPEN TO HWY M
R10-61
60"X30"

HWY 14 OPEN TO HWY M
R10-61(MOD)
60"X30"

M4-8 24"X12" DETOUR EAST
M3-2 24"X12"
COVER WITH

Janesville
Beloit
Monroe

Madison
Edgerton
Janesville

A4-12
9 ½" X 9 ½"

END 213 JCT 14
MO5-1L
21"X21"

JCT 14
MO5-1R
21"X21"

COUNTY M

MO6-1
21"X21"

ROAD CLOSED 1/2 MILE
W20-3G

ROAD CLOSED 1500 FT
W20-3B

N CEMETERY RD
UNION PACIFIC RR
E COUNTRYSIDE DR
WATER ST

EVANSVILLE

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	USH 14 DETOUR - STAGES 2A & 2B	SHEET 109	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\025001AF_USH 14 DETOUR - STAGE 2.DWG
LAYOUT NAME - 02
PLOT DATE : 1/24/2020 2:57 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : ############
WISDOT/CADDS SHEET 42

2

2

N UNION RD

N

LEGEND

- GENERAL WORK AREA
- PROPOSED TEMPORARY SIGN
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- EXISTING SIGN
- EXISTING TYPE II SIGN
- COVERING SIGNS

14

59

ROAD CLOSED AHEAD
W20-3A

DETOUR AHEAD
W20-2A

JCT 59

BRIDGE OUT
15 MILES AHEAD
R11-3C
60"X24"
(STAGE 2A ONLY)

M4-8A
24"X18"
END DETOUR
COVER WITH

JCT 14

WEST 14

WEST 14

EAST 14 | WEST 59 | WEST 14

DETOUR NEXT 22 MILES
G20-51
60"X24"

Evansville
Madison

M4-8 24"X12"
M3-2 24"X12"
M1-4 24"X24"
DETOUR EAST 14

EAST 59

EAST 59

EAST 59 | WEST 59

M4-8 24"X12"
M3-2 24"X12"
M1-4 24"X24"
DETOUR EAST 14
MO5-1L 21"X21"

EAST 14 | WEST 59

M4-8 24"X12"
M3-2 24"X12"
M1-4 24"X24"
DETOUR EAST 14
MO6-1 21"X21"

Edgerton
Evansville

DETOUR
M4-9L
30"X24"

ROAD CLOSED
4 MILES AHEAD
LOCAL TRAFFIC ONLY
R11-3
60"X30"

M4-8 24"X12"
M3-2 24"X12"
M1-4 24"X24"
DETOUR EAST 14
MO6-1 21"X21"

W UNION RD

W EAST UNION RD

EAST 59 | WEST 59

ROAD OPEN TO
EVANSVILLE
R10-61
60"X30"

EAST 14 | WEST 59

WEST 14 | EAST 59

M4-8 24"X12"
M3-2 24"X12"
M1-4 24"X24"
DETOUR EAST 14
MO5-1R 21"X21"

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	USH 14 DETOUR - STAGES 2A & 2B	SHEET	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\025001AF_USH 14 DETOUR - STAGE 2.DWG
LAYOUT NAME - 03
PLOT DATE : 1/24/2020 2:57 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

EDGERTON

HEAD ST
WEST ST
MECHANIC ST
ALBION ST
SWIFT ST
W ROLLIN ST
N MAIN ST
N HENRY ST
CANAL ST
E ROLLIN ST
CATLIN ST
BROADWAY ST
S MAIN ST
LAWTON ST
SPENCER ST
HIGH ST

59
51
COUNTY F

M1-4 24"X24" — 14 — DETOUR AHEAD W20-2A

(MOUNT ON PAVED SURFACE)
M4-8 24"X12" — DETOUR — M4-8 24"X12" DETOUR
M3-2 24"X12" — EAST — M3-4 24"X12" WEST
M1-4 24"X24" — 14 — 14 — M1-4 24"X24"
MO6-1 21"X21" — NEXT RIGHT — MO4-21R 24"X21"

(MOUNT ON PAVED SURFACE)
M4-8 24"X12" — DETOUR
M3-4 24"X12" — WEST
M1-4 24"X24" — 14

M4-8 24"X12" — DETOUR
M3-2 24"X12" — EAST
M1-4 24"X24" — 14
MO5-1R 21"X21"
(MOUNT ON PAVED SURFACE)

M4-8 24"X12" — DETOUR
M3-2 24"X12" — EAST
M1-4 24"X24" — 14
MO6-1 21"X21"
(MOUNT TO CANTILEVER OVERHEAD SIGN STRUCTURE OR ON PAVED SURFACE)

M4-8 24"X12" — DETOUR
M3-2 24"X12" — EAST
M1-4 24"X24" — 14
(MOUNT ON PAVED SURFACE)

M4-8 24"X12" — DETOUR — M4-8 24"X12" DETOUR
M3-2 24"X12" — EAST — M3-4 24"X12" WEST
M1-4 24"X24" — 14 — 14 — M1-4 24"X24"
NEXT LEFT — MO6-1 21"X21"
MO4-21L 24"X21"
(MOUNT ON PAVED SURFACE)

M4-8 24"X12" — DETOUR
M3-4 24"X12" — WEST
M1-4 24"X24" — 14
MO6-1 21"X21"
(MOUNT ON SIGNAL POLE OR ON PAVED SURFACE)

M4-8 24"X12" — DETOUR
M3-4 24"X12" — WEST
M1-4 24"X24" — 14
MO5-1L 21"X21"
(MOUNT ON LIGHT POLE OR ON PAVED SURFACE)

M4-8 24"X12" — DETOUR
M3-2 24"X12" — EAST
M1-4 24"X24" — 14
MO6-2 21"X21"

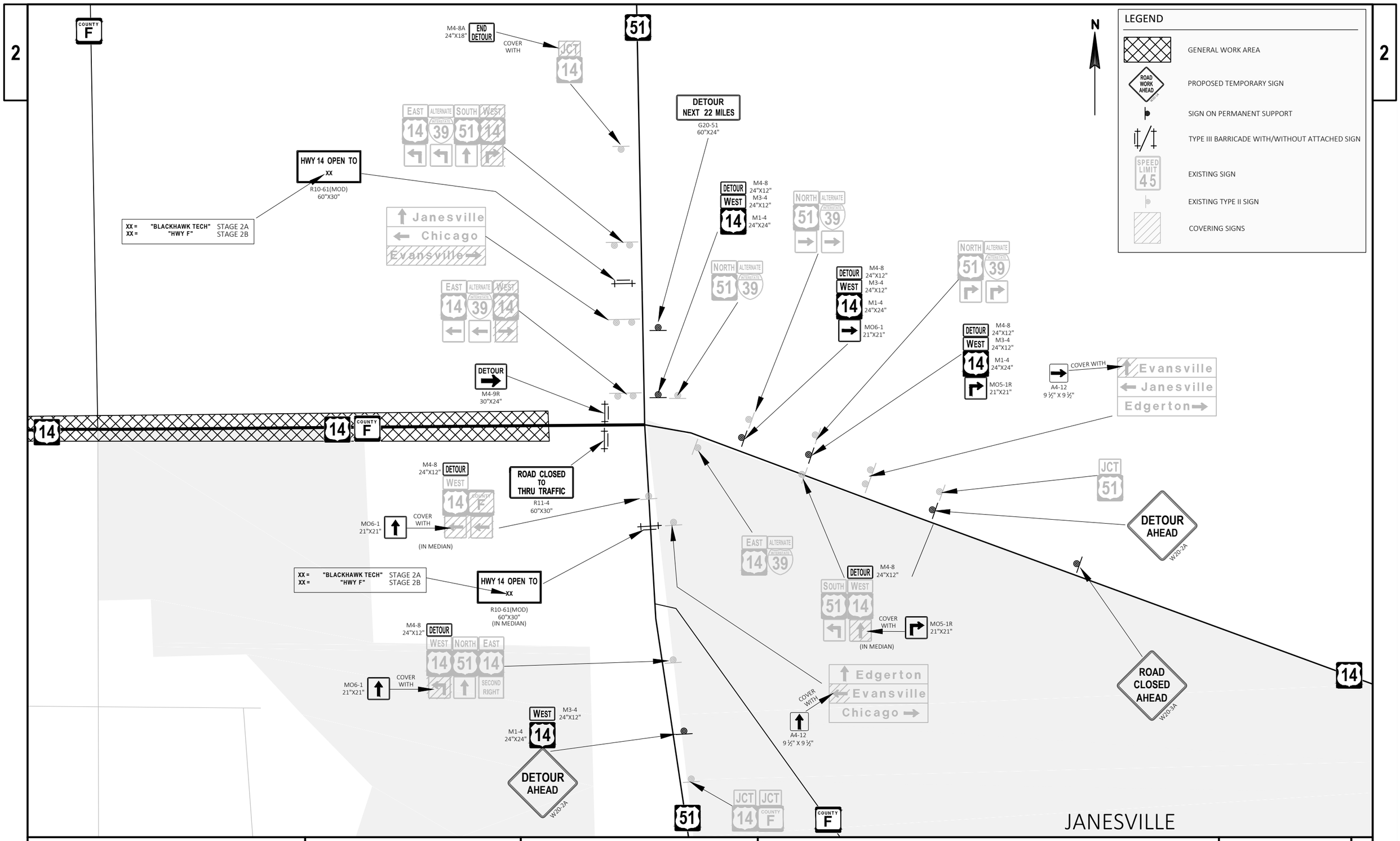
M1-4 24"X24" — 14 — DETOUR AHEAD W20-2A

LEGEND

- GENERAL WORK AREA
- ROAD WORK AHEAD W20-1 — PROPOSED TEMPORARY SIGN
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- SPEED LIMIT 45 — EXISTING SIGN
- EXISTING TYPE II SIGN
- COVERING SIGNS

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	USH 14 DETOUR - STAGES 2A & 2B	SHEET	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\025001AF_USH 14 DETOUR - STAGE 2.DWG
LAYOUT NAME - 04
PLOT DATE : 1/24/2020 2:57 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : ##########



PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	USH 14 DETOUR - STAGES 2A & 2B	SHEET	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\025001AF_USH 14 DETOUR - STAGE 2.DWG
LAYOUT NAME - 05

PLOT DATE : 1/24/2020 2:57 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ########

2

2

WATER ST

USH 14

SIDEWALK CLOSED AHEAD
R9-11(MOD)
24"X12"
(PLACE IN TERRACE-
DO NOT OBSTRUCT
SIDEWALK)

N

LEGEND

ROAD WORK AHEAD 48"X48"

PROPOSED TEMPORARY SIGN

TEMPORARY PEDESTRIAN BARRICADE

TYPE II BARRICADE WITH ATTACHED SIGN

NOTE

SEE SDD 15D30 - TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION FOR DETOUR SIGN PLACEMENT, AND REQUIREMENTS FOR TEMPORARY CURB RAMP AND FOR TEMPORARY PEDESTRIAN BARRICADE.

N

CTH M

CE

SEE DETAIL

USH 14

SIDEWALK CLOSED
R9-9
24"X12"

SS

CTH M

BROWN SCHOOL RD

SIDEWALK CLOSED AHEAD
R9-11(MOD)
24"X12"
(PLACE IN TERRACE-
DO NOT OBSTRUCT
SIDEWALK)

CANOPY

CANOPY

JOHN LINDEMANN DR

SEE DETAIL

SIDEWALK CLOSED
R9-9
24"X12"

FLAG

W

W

USH 14

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - SIDEWALKS - STAGE 2A OVERVIEW	SHEET	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\025001AG_TC - SIDEWALKS.DWG
LAYOUT NAME - OVERVIEW
PLOT DATE : 1/31/2020 11:48 AM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

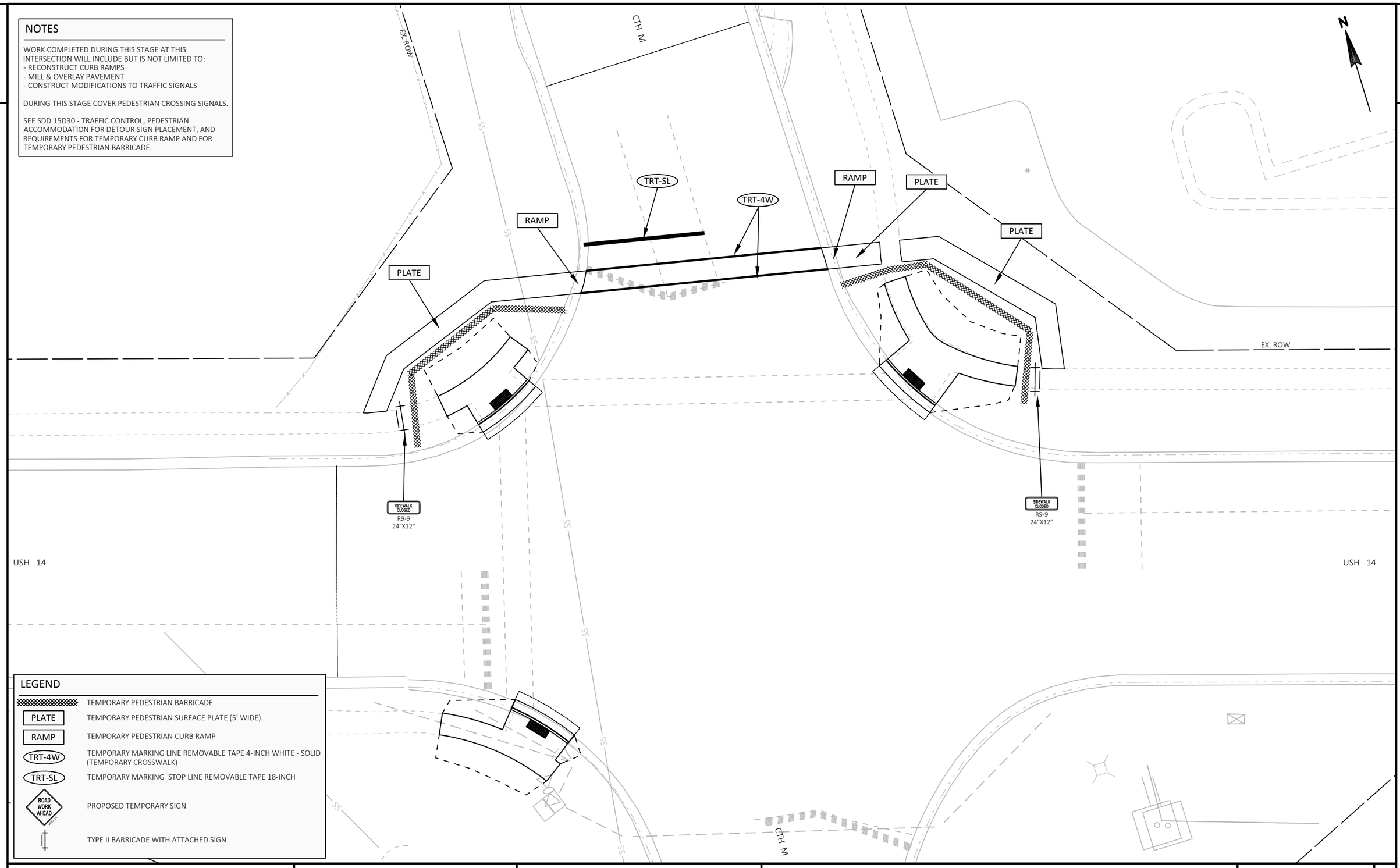
2

NOTES

WORK COMPLETED DURING THIS STAGE AT THIS INTERSECTION WILL INCLUDE BUT IS NOT LIMITED TO:
- RECONSTRUCT CURB RAMPS
- MILL & OVERLAY PAVEMENT
- CONSTRUCT MODIFICATIONS TO TRAFFIC SIGNALS

DURING THIS STAGE COVER PEDESTRIAN CROSSING SIGNALS.

SEE SDD 15D30 - TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION FOR DETOUR SIGN PLACEMENT, AND REQUIREMENTS FOR TEMPORARY CURB RAMP AND FOR TEMPORARY PEDESTRIAN BARRICADE.



LEGEND

	TEMPORARY PEDESTRIAN BARRICADE
PLATE	TEMPORARY PEDESTRIAN SURFACE PLATE (5' WIDE)
RAMP	TEMPORARY PEDESTRIAN CURB RAMP
TRT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE - SOLID (TEMPORARY CROSSWALK)
TRT-SL	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
ROAD WORK AHEAD	PROPOSED TEMPORARY SIGN
	TYPE II BARRICADE WITH ATTACHED SIGN

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - SIDEWALKS - STAGE 2A (CTH M)	SHEET 114 E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\025001AG_TC - SIDEWALKS.DWG
LAYOUT NAME - DETAIL - CTH M

PLOT DATE : 1/31/2020 11:48 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

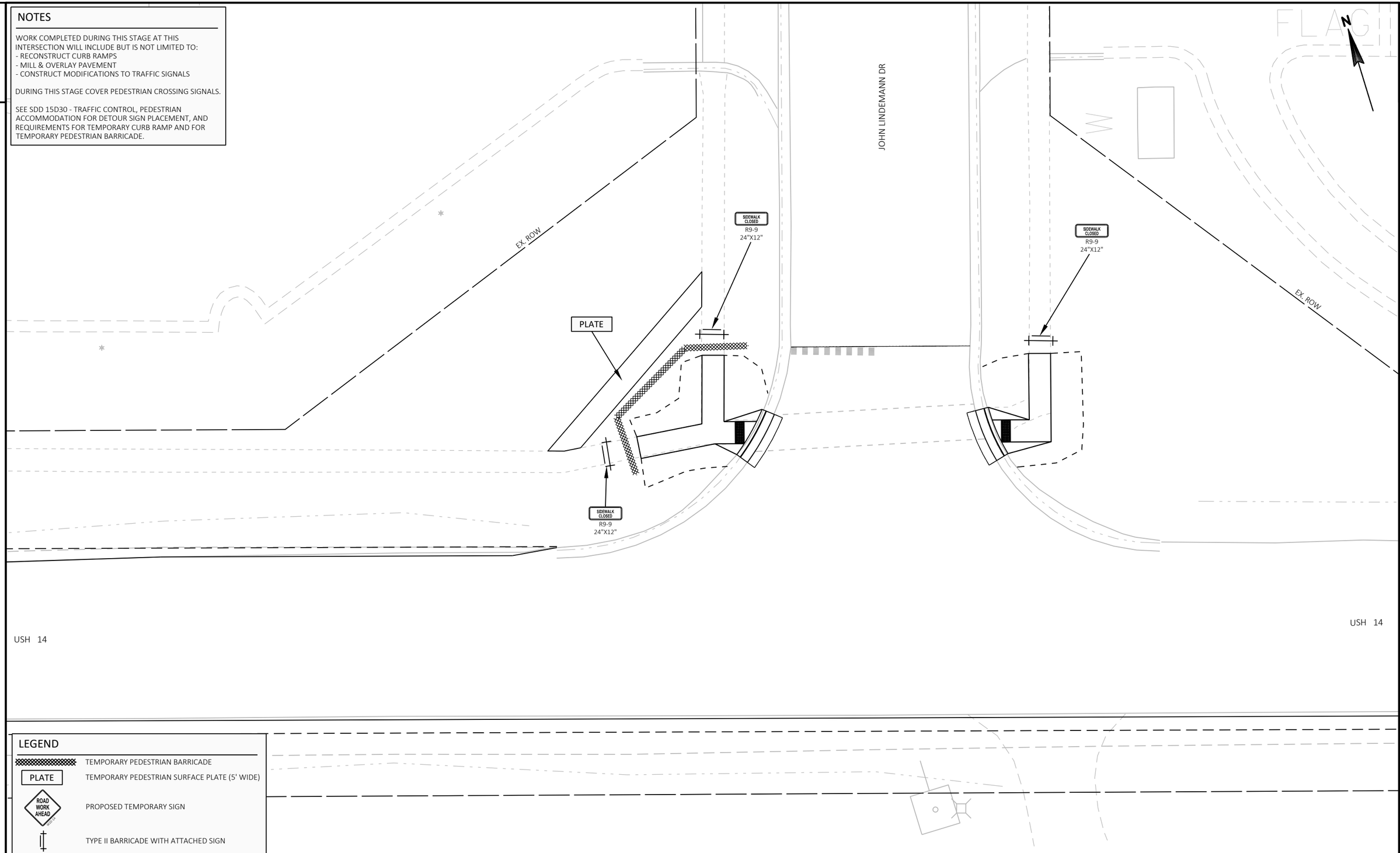
2

NOTES

WORK COMPLETED DURING THIS STAGE AT THIS INTERSECTION WILL INCLUDE BUT IS NOT LIMITED TO:
- RECONSTRUCT CURB RAMPS
- MILL & OVERLAY PAVEMENT
- CONSTRUCT MODIFICATIONS TO TRAFFIC SIGNALS

DURING THIS STAGE COVER PEDESTRIAN CROSSING SIGNALS.

SEE SDD 15D30 - TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION FOR DETOUR SIGN PLACEMENT, AND REQUIREMENTS FOR TEMPORARY CURB RAMP AND FOR TEMPORARY PEDESTRIAN BARRICADE.



LEGEND

- TEMPORARY PEDESTRIAN BARRICADE
- PLATE — TEMPORARY PEDESTRIAN SURFACE PLATE (5' WIDE)
- ROAD WORK AHEAD — PROPOSED TEMPORARY SIGN
- TYPE II BARRICADE WITH ATTACHED SIGN

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - SIDEWALKS - STAGE 2A (JOHN LINDEMANN DR)	SHEET 115	E

2

N

CITY OF EVANSVILLE

COUNTY M

END ROAD WORK
G20-2A
48"X24"

14 E. MAIN ST

ROAD CLOSED 1/2 MILE
W20-3G

ROAD WORK NEXT 13 MILES
G20-1
60"X24"

COORDINATE WITH MAINTAINING AUTHORITY FOR POSSIBLE TEMPORARY RETIMING OF TRAFFIC SIGNAL (SEE SPECIAL PROVISIONS)

JOHN LINDEMANN DR

PLACE ON SHOULDER

210

220

230

240

EAST 14

ROAD CLOSED 1500 FT
W20-3B

ROAD CLOSED AHEAD
W20-3A

PLACE ON SHOULDER

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

PREVIOUSLY CONSTRUCTED

COUNTY M

CITY OF EVANSVILLE

NOTE

PLACE 4" YELLOW TEMPORARY MARKING LINE PAINT ON THE LOWER HMA LAYER DURING THE SAME FLAGGING OPERATION AS PAVING, PRIOR TO REOPENING USH 14 TO 2-LANE/2-WAY TRAFFIC.

LEGEND

GENERAL WORK AREA	16" X 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
PROPOSED TEMPORARY SIGN (ROAD WORK AHEAD)	15C2b-D BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL D)
SIGN ON PERMANENT SUPPORT	15C2b-E BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL E)
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	15C3-4 BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES (DETAIL 4)
EXISTING SIGN (SPEED LIMIT 45)	15C8 LONGITUDINAL MARKING (MAINLINE)
EXISTING TYPE II SIGN	15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
COVERING SIGNS	15D28 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY
	15D39 TRAFFIC CONTROL, DROP-OFF SIGNING
	15D44 TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
	15D45 TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
	TRT-SL TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
	ASB ADJUST TYPE III BARRICADES TO ACCOMMODATE SCHOOL BUSES
	* SEE SPECIAL PROVISIONS

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - STAGE 2B	SHEET 116	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\025001AH_STG 2B.DWG
LAYOUT NAME - 01
PLOT DATE : 2/3/2020 9:58 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ############
WISDOT/CADDS SHEET 42

2

N

CITY OF EVANSVILLE

COUNTY M

14 E. MAIN ST

JOHN LINDEMANN DR

N TERRITORIAL RD

N WEARY RD

N TOLLES RD

W GIBBS LAKE RD

N WILDER RD

UNION PACIFIC RR

210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380

15C3-4 ASB

ASB 15C3-4

ASB 15C3-4

ASB 15C3-4

15D45
- RECONSTRUCT PAVEMENT
STA. 54+00'TR' TO STA. 56+75'TR'
- WO13-1 = "25"MPH (SEE SPECIAL PROVISIONS)

15D45
- CROSS CULVERT AT STA. 311+20
- WO13-1 = "35"MPH (SEE SPECIAL PROVISIONS)

ASB 15C3-4

15C3-4 ASB

* 15C8 15C12 15D39 15D44

UNION TOWNSHIP
PORTER TOWNSHIP

PORTER TOWNSHIP
CENTER TOWNSHIP

N TUTTLE RD

LEGEND

- GENERAL WORK AREA
- PROPOSED TEMPORARY SIGN (ROAD WORK AHEAD)
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- EXISTING SIGN (SPEED LIMIT 45)
- EXISTING TYPE II SIGN
- COVERING SIGNS
- 16" X 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
- 15C2b-D — BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL D)
- 15C2b-E — BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL E)
- 15C3-4 — BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES (DETAIL 4)
- 15C8 — LONGITUDINAL MARKING (MAINLINE)
- 15C12 — TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
- 15D28 — TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY
- 15D39 — TRAFFIC CONTROL, DROP-OFF SIGNING
- 15D44 — TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
- 15D45 — TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
- TRT-SL — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- ASB — ADJUST TYPE III BARRICADES TO ACCOMMODATE SCHOOL BUSES
- * — SEE SPECIAL PROVISIONS

NOTE

PLACE 4" YELLOW TEMPORARY MARKING LINE PAINT ON THE LOWER HMA LAYER DURING THE SAME FLAGGING OPERATION AS PAVING, PRIOR TO REOPENING USH 14 TO 2-LANE/2-WAY TRAFFIC.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - STAGE 2B	SHEET 117	E

N CURTIS DR

N CASSIDY RD

N FELLOWS RD

N EAGLE RD

N FOX RD

N ROHERTY RD

W SEEMAN RD

UNION PACIFIC RR

PORTER TOWNSHIP

CENTER TOWNSHIP

14

380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590

ASB 15C3-4

GUARDRAIL REPLACEMENT 15D28

* 15C8 15C12 15D39 15D44

LEGEND

GENERAL WORK AREA	16" X 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
PROPOSED TEMPORARY SIGN	15C2b-D BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL D)
SIGN ON PERMANENT SUPPORT	15C2b-E BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL E)
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	15C3-4 BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES (DETAIL 4)
EXISTING SIGN	15C8 LONGITUDINAL MARKING (MAINLINE)
EXISTING TYPE II SIGN	15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
COVERING SIGNS	15D28 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY
	15D39 TRAFFIC CONTROL, DROP-OFF SIGNING
	15D44 TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
	15D45 TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
	TRT-SL TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
	ASB ADJUST TYPE III BARRICADES TO ACCOMMODATE SCHOOL BUSES
	* SEE SPECIAL PROVISIONS

NOTE

PLACE 4" YELLOW TEMPORARY MARKING LINE PAINT ON THE LOWER HMA LAYER DURING THE SAME FLAGGING OPERATION AS PAVING, PRIOR TO REOPENING USH 14 TO 2-LANE/2-WAY TRAFFIC.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - STAGE 2B	SHEET	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\025001AH_STG 2B.DWG
LAYOUT NAME - 03

PLOT DATE : 2/3/2020 9:58 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ############

WISDOT/CADDS SHEET 42

2

LEGEND

GENERAL WORK AREA	16" X 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
PROPOSED TEMPORARY SIGN	15C2b-D BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL D)
SIGN ON PERMANENT SUPPORT	15C2b-E BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL E)
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	15C3-4 BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES (DETAIL 4)
EXISTING SIGN	15C8 LONGITUDINAL MARKING (MAINLINE)
EXISTING TYPE II SIGN	15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
COVERING SIGNS	15D28 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY
	15D39 TRAFFIC CONTROL, DROP-OFF SIGNING
	15D44 TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
	15D45 TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
	TRT-SL TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
	ASB ADJUST TYPE III BARRICADES TO ACCOMMODATE SCHOOL BUSES
	* SEE SPECIAL PROVISIONS

N

14 M1-4 24"X24"
ROAD CLOSED AHEAD W20-3A

JCT 14

STOP R1-1 36"X36"
(NB & SB SIGNS MOUNTED ON TEMPORARY SIGN SUPPORTS)

COUNTY H

Janesville
Evansville

ROAD CLOSED TO THRU TRAFFIC
R11-4 60"X30"

PLACE ON SHOULDER

WEST 14

590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780

14

15C2b-E

N CONNER RD

N FITZSIMMONS RD

N RIVERS EDGE DR

ASB 15C3-4

EAST 14

N HARVEST VIEW DR

N LEITH RD

15C8
15C12
15D39
15D44

*

PLACE ON SHOULDER

TRT-SL
(NB & SB APPROACHES)

14 M1-4 24"X24"
ROAD CLOSED AHEAD W20-3A

COUNTY H

CENTER TOWNSHIP
JANESVILLE TOWNSHIP

Fulton
Evansville
Janesville

JCT 14

N POLZIN RD

PLACE ON SHOULDER

ROAD CLOSED TO THRU TRAFFIC
R11-4 60"X30"

UNION PACIFIC RR

N BURDICK RD

NOTE

PLACE 4" YELLOW TEMPORARY MARKING LINE PAINT ON THE LOWER HMA LAYER DURING THE SAME FLAGGING OPERATION AS PAVING, PRIOR TO REOPENING USH 14 TO 2-LANE/2-WAY TRAFFIC.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - STAGE 2B	SHEET 119	E

2

2

N

JANESVILLE TOWNSHIP

OTHERS TO CONCURRENTLY CONSTRUCT CTH F & PROVIDE TRAFFIC CONTROL. SIGNED DETOUR PROVIDED ON USH 51 AND CTH M. SEE SPECIAL PROVISIONS.

ROCK RIVER

GUARDRAIL REPLACEMENT

15D28

N ROBINSON LN

N RIVER RD

N EDGEWOOD DR

W EDGEWOOD DR

W RIVER DR

SPRING HILL DR

N HACKBARTH RD

N CRYSTAL SPRINGS RD

780 790 800 810 820 830 840 850 860 870 880 890 900

ASB 15C3-4

STOP R1-1 36"X36"
(NB SIGN MOUNTED ON TEMPORARY SIGN SUPPORT)

TRT-SL
(NB APPROACHES)

BRIDGE OPEN TO TRAFFIC

CITY OF JANESVILLE

ROCK RIVER

UNION PACIFIC RR

JANESVILLE TOWNSHIP

15C8
15C12
15D39
15D44

NOTE

PLACE 4" YELLOW TEMPORARY MARKING LINE PAINT ON THE LOWER HMA LAYER DURING THE SAME FLAGGING OPERATION AS PAVING, PRIOR TO REOPENING USH 14 TO 2-LANE/2-WAY TRAFFIC.

LEGEND

- GENERAL WORK AREA
- PROPOSED TEMPORARY SIGN (ROAD WORK AHEAD)
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- EXISTING SIGN (SPEED LIMIT 45)
- EXISTING TYPE II SIGN
- COVERING SIGNS
- 16" X 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
- 15C2b-D BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL D)
- 15C2b-E BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL E)
- 15C3-4 BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES (DETAIL 4)
- 15C8 LONGITUDINAL MARKING (MAINLINE)
- 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
- 15D28 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY
- 15D39 TRAFFIC CONTROL, DROP-OFF SIGNING
- 15D44 TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
- 15D45 TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
- TRT-SL TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- ASB ADJUST TYPE III BARRICADES TO ACCOMMODATE SCHOOL BUSES
- * SEE SPECIAL PROVISIONS

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - STAGE 2B	SHEET 120	E

2

2

COUNTY F

JANESVILLE TOWNSHIP

51

N

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"
PLACE ON SHOULDER

COORDINATE WITH MAINTAINING AUTHORITY FOR POSSIBLE TEMPORARY RETIMING OF EXISTING TRAFFIC SIGNAL (SEE SPECIAL PROVISIONS)

ROAD WORK NEXT 13 MILES
G20-1
60"X24"

ROAD CLOSED 500 FT
W20-3D

WEST 14

ROAD CLOSED AHEAD
W20-3A

870 880 890 900

STA. 880+25

ASSUME CONSTRUCTED PREVIOUSLY, BUT PERMITTED STAGE 2B WITH CONTINOUS TEMPORARY RELOCATION OF WB LANE CLOSURE

END ROAD WORK
G20-2A
48"X24"

ROAD CLOSED 1 MILE
W20-3F

14

PLACE IN MEDIAN

CITY OF JANESVILLE

CITY OF JANESVILLE

N CRYSTAL SPRINGS RD

51

LEGEND

- GENERAL WORK AREA
- PROPOSED TEMPORARY SIGN (ROAD WORK AHEAD W20-3A)
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- EXISTING SIGN (SPEED LIMIT 45)
- EXISTING TYPE II SIGN
- COVERING SIGNS
- 16" X 16" ORANGE WARNING FLAGS (INCIDENTAL TO OTHER ITEMS OF WORK)
- 15C2b-D BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL D)
- 15C2b-E BARRICADES AND SIGNS FOR VARIOUS CLOSURES (DETAIL E)
- 15C3-4 BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES (DETAIL 4)
- 15C8 LONGITUDINAL MARKING (MAINLINE)
- 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
- 15D28 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY
- 15D39 TRAFFIC CONTROL, DROP-OFF SIGNING
- 15D44 TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
- 15D45 TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
- TRT-SL TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- ASB ADJUST TYPE III BARRICADES TO ACCOMMODATE SCHOOL BUSES
- * SEE SPECIAL PROVISIONS

NOTE

PLACE 4" YELLOW TEMPORARY MARKING LINE PAINT ON THE LOWER HMA LAYER DURING THE SAME FLAGGING OPERATION AS PAVING, PRIOR TO REOPENING USH 14 TO 2-LANE/2-WAY TRAFFIC.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - STAGE 2B	SHEET	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\025001AH_STG 2B.DWG
LAYOUT NAME - 06

PLOT DATE : 2/3/2020 9:58 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ############

WISDOT/CADDS SHEET 42

PREVIOUSLY CONSTRUCTED

CITY OF EVANSVILLE

COUNTY M

JOHN LINDEMANN DR

N TERRITORIAL RD

PLACE ON SHOULDER

END ROAD WORK
G20-2A
48"X24"

14 E. MAIN ST

210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380

ROAD WORK AHEAD W20-1A

N WEARY RD

N TOLLES RD

W GIBBS LAKE RD

N WILDER RD

ROAD WORK NEXT 11 MILES
G20-1
60"X24"

15D45
- RECONSTRUCT PAVEMENT
STA. 54+00'TR' TO STA. 56+75'TR'
- WO13-1 = "25"MPH (SEE SPECIAL PROVISIONS)

15C8 *
15C12
15D39
15D44

IF INSTALL CROSS CULVERT STAGE 3, PAVE AT LEAST TWO LAYERS OF HMA PAVEMENT BEFORE REOPENING TO TRAFFIC.

UNION PACIFIC RR

UNION TOWNSHIP

PORTER TOWNSHIP

PORTER TOWNSHIP
CENTER TOWNSHIP

N TUTTLE RD

N

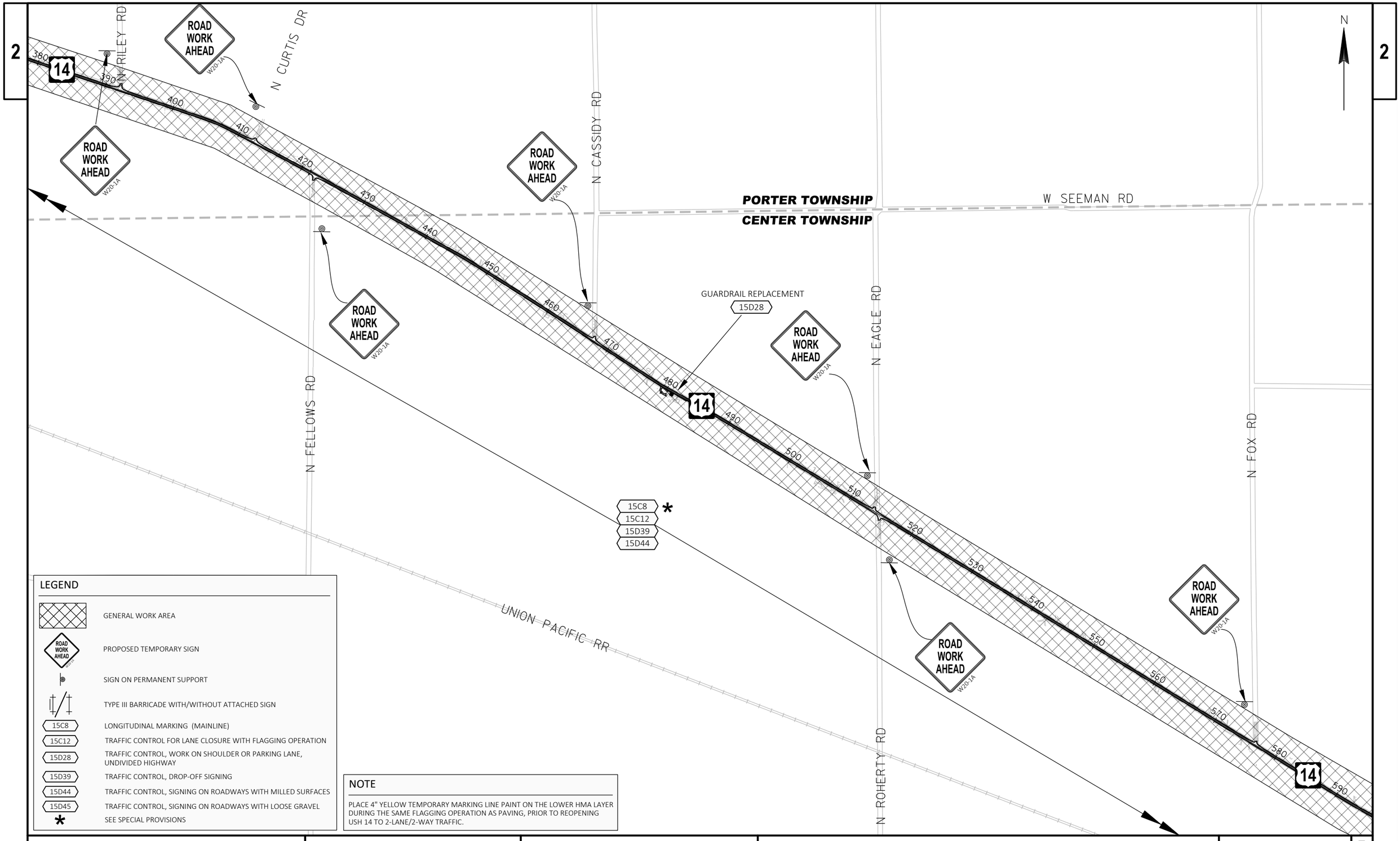
LEGEND

- GENERAL WORK AREA
- PROPOSED TEMPORARY SIGN
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- 15C8 LONGITUDINAL MARKING (MAINLINE)
- 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
- 15D28 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY
- 15D39 TRAFFIC CONTROL, DROP-OFF SIGNING
- 15D44 TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
- 15D45 TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
- * SEE SPECIAL PROVISIONS

NOTE

PLACE 4" YELLOW TEMPORARY MARKING LINE PAINT ON THE LOWER HMA LAYER DURING THE SAME FLAGGING OPERATION AS PAVING, PRIOR TO REOPENING USH 14 TO 2-LANE/2-WAY TRAFFIC.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - STAGE 3	SHEET 122	E



LEGEND

- GENERAL WORK AREA
- PROPOSED TEMPORARY SIGN
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- 15C8 — LONGITUDINAL MARKING (MAINLINE)
- 15C12 — TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
- 15D28 — TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY
- 15D39 — TRAFFIC CONTROL, DROP-OFF SIGNING
- 15D44 — TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
- 15D45 — TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
- * — SEE SPECIAL PROVISIONS

NOTE

PLACE 4" YELLOW TEMPORARY MARKING LINE PAINT ON THE LOWER HMA LAYER DURING THE SAME FLAGGING OPERATION AS PAVING, PRIOR TO REOPENING USH 14 TO 2-LANE/2-WAY TRAFFIC.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - STAGE 3	SHEET	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\025001AI_STG 3.DWG
LAYOUT NAME - 02

PLOT DATE : 2/3/2020 10:01 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ############

2

LEGEND

- GENERAL WORK AREA
- PROPOSED TEMPORARY SIGN
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- 15C8 — LONGITUDINAL MARKING (MAINLINE)
- 15C12 — TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
- 15D28 — TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY
- 15D39 — TRAFFIC CONTROL, DROP-OFF SIGNING
- 15D44 — TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
- 15D45 — TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
- * — SEE SPECIAL PROVISIONS

N

COUNTY H

14 M1-4 24"X24"

ROAD WORK AHEAD W20-1A

PREVIOUSLY CONSTRUCTED

590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780

14

N CONNER RD

N FITZSIMMONS RD

N RIVERS EDGE DR

PLACE ON SHOULDER

PLACE ON SHOULDER

N HARVEST VIEW DR

N LEITH RD

15C8
15C12
15D39
15D44
*

UNION PACIFIC RR

N POLZIN RD

N BURDICK RD

CENTER TOWNSHIP
JANESVILLE TOWNSHIP

NOTE

PLACE 4" YELLOW TEMPORARY MARKING LINE PAINT ON THE LOWER HMA LAYER DURING THE SAME FLAGGING OPERATION AS PAVING, PRIOR TO REOPENING USH 14 TO 2-LANE/2-WAY TRAFFIC.

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - STAGE 3	SHEET 124 E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\025001AI_STG 3.DWG
LAYOUT NAME - 03
PLOT DATE : 2/3/2020 10:01 AM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : ############

2

ASSUMED COMPLETED PREVIOUSLY, BUT PERMITTED STAGE 3

JANESVILLE TOWNSHIP

ROCK RIVER

ROAD WORK 500 FT
W20-1D

500'

1500' MIN

ROAD WORK AHEAD
W20-1A

ROAD WORK NEXT 11 MILES
G20-1
60"X24"

N ROBINSON LN

N RIVER RD

N EDGEWOOD DR

COUNTY F

51

OTHERS TO CONCURRENTLY CONSTRUCT CTH F & PROVIDE TRAFFIC CONTROL. SIGNED DETOUR PROVIDED ON USH 51 AND CTH M. SEE SPECIAL PROVISIONS.

STA, 880+25

780 14 790 800 810 820 830 840 850 860 870 880 890 900

W EDGEWOOD DR

N HACKBARTH RD

W RIVER DR

SPRING HILL DR

N CRYSTAL SPRINGS RD

14

ASSUME CONSTRUCTED PREVIOUSLY, BUT PERMITTED STAGE 3 WITH INTERMITTENT OVERNIGHT APPLICATION OF TEMPORARILY RELOCATED WB LANE CLOSURE.

51

END ROAD WORK
G20-2A
48"X24"

15C8 *
15C12
15D39
15D44

PLACE ON SHOULDER

WEST 14
M3-4
24"X12"
M1-4
24"X24"

COUNTY E

ROCK RIVER

UNION PACIFIC RR

JANESVILLE TOWNSHIP

CITY OF JANESVILLE

N

LEGEND

- GENERAL WORK AREA
- PROPOSED TEMPORARY SIGN
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- 15C8 — LONGITUDINAL MARKING (MAINLINE)
- 15C12 — TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
- 15D28 — TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY
- 15D39 — TRAFFIC CONTROL, DROP-OFF SIGNING
- 15D44 — TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
- 15D45 — TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
- * — SEE SPECIAL PROVISIONS

NOTE

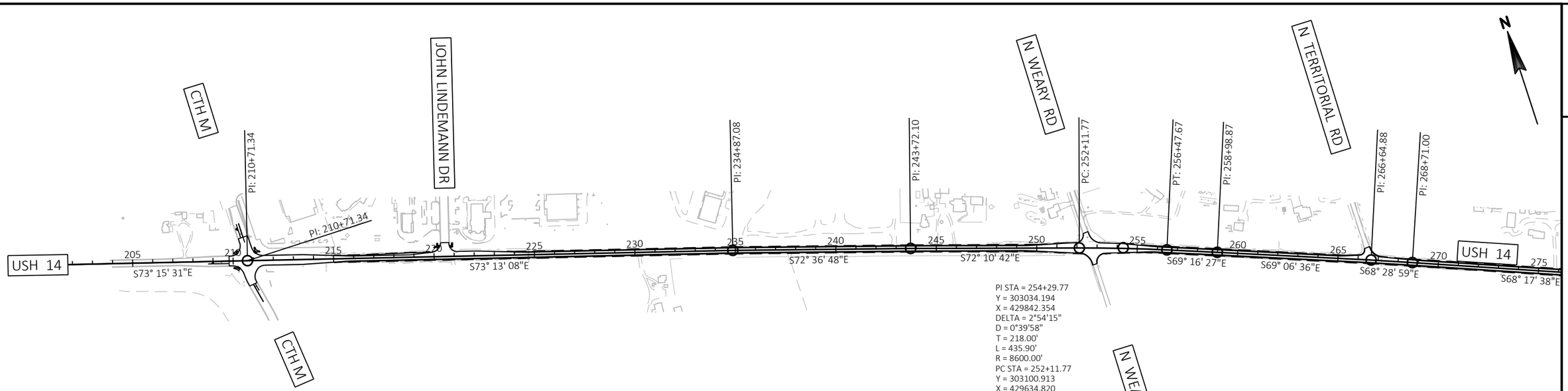
PLACE 4" YELLOW TEMPORARY MARKING LINE PAINT ON THE LOWER HMA LAYER DURING THE SAME FLAGGING OPERATION AS PAVING, PRIOR TO REOPENING USH 14 TO 2-LANE/2-WAY TRAFFIC.

2

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	TRAFFIC CONTROL - STAGE 3	SHEET	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\025001AI_STG 3.DWG
LAYOUT NAME - 04

PLOT DATE : 2/3/2020 10:01 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ############



PI STA = 210+71.34
Y = 304319.828
X = 425677.998
DELTA = 0°02'23"

PI STA = 234+87.08
Y = 303622.362
X = 427990.857
DELTA = 0°36'20"

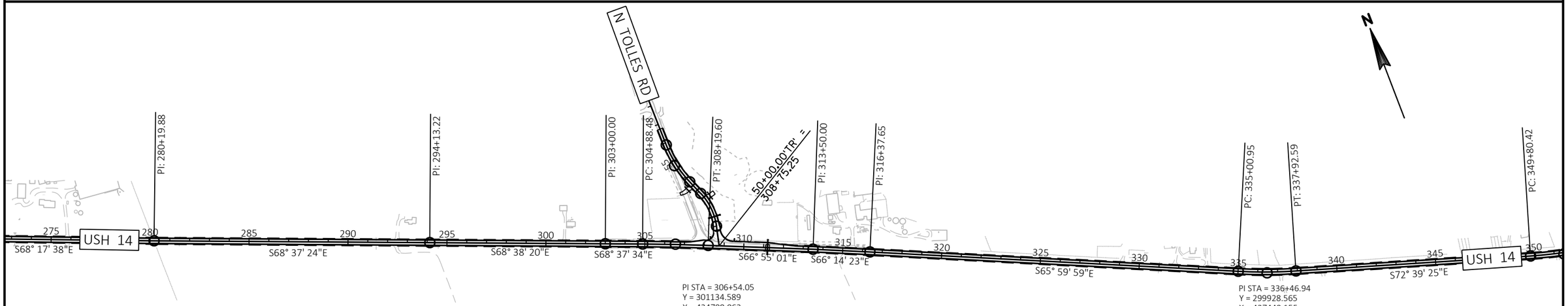
PI STA = 243+72.10
Y = 303357.899
X = 428835.443
DELTA = 0°26'06"

PI STA = 254+29.77
Y = 303034.194
X = 429842.354
DELTA = 2°54'15"
D = 0°39'58"
T = 218.00'
L = 435.90'
R = 8600.00'
PC STA = 252+11.77
Y = 303100.913
X = 429634.820
PT STA = 256+47.67
Y = 302957.046
X = 430046.242
BK = S72°10'42"E
AH = S69°16'27"E
SE (MATCH EXISTING)=
EB LANE: VAR 4.4% - 5.0%
WB LANE: VAR RC - 3.0%

PI STA = 258+98.87
Y = 302868.146
X = 430281.190
DELTA = 0°09'51"

PI STA = 266+64.88
Y = 302595.006
X = 430996.842
DELTA = 0°37'36"

PI STA = 268+71.00
Y = 302519.405
X = 431188.601
DELTA = 0°11'21"



PI STA = 280+19.88
Y = 302094.500
X = 432256.015
DELTA = 0°19'45"

PI STA = 294+13.22
Y = 301586.629
X = 433553.497
DELTA = 0°00'57"

PI STA = 303+00.00
Y = 301263.624
X = 434379.362
DELTA = 0°00'46"

PI STA = 306+54.05
Y = 301134.589
X = 434709.063
DELTA = 1°42'33"
D = 0°30'58"
T = 165.58'
L = 331.13'
R = 11100.00'
PC STA = 304+88.48
Y = 301194.934
X = 434554.875
PT STA = 308+19.60
Y = 301069.672
X = 434861.383
BK = S68°37'34"E
AH = S66°55'01"E
SE (MATCH EXISTING)=
EB LANE: VAR 1.8% - 2.5%
WB LANE: VAR 0.3% - 2.5%

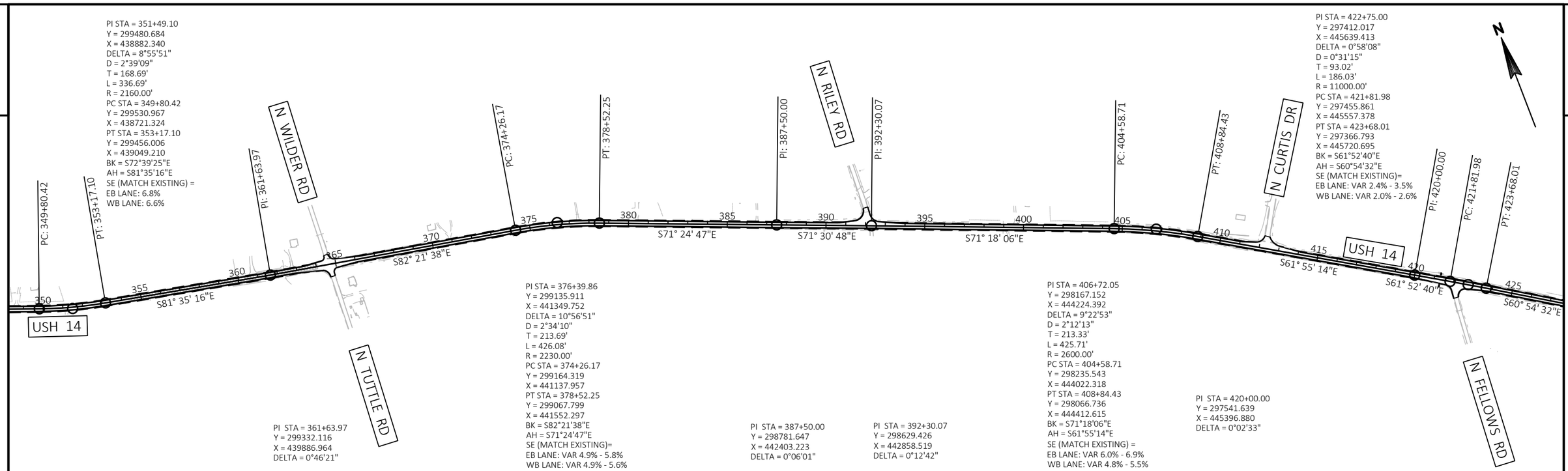
PI STA = 313+50.00
Y = 300861.722
X = 435349.314
DELTA = 0°40'38"

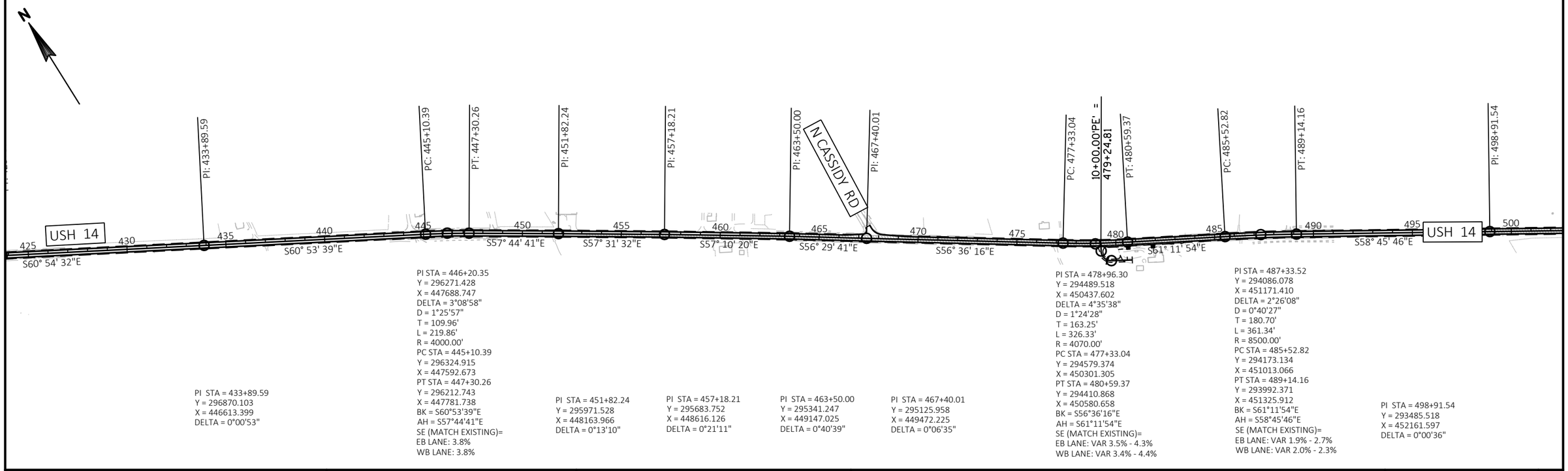
PI STA = 316+37.65
Y = 300745.823
X = 435612.586
DELTA = 0°14'24"

PI STA = 336+46.94
Y = 299928.565
X = 437448.155
DELTA = 6°39'26"
D = 2°16'58"
T = 145.98'
L = 291.64'
R = 2510.00'
PC STA = 335+00.95
Y = 299987.942
X = 437314.792
PT STA = 337+92.59
Y = 299885.048
X = 437587.501
BK = S65°59'59"E
AH = S72°39'25"E
SE (MATCH EXISTING)=
EB LANE: VAR 4.5% - 4.9%
WB LANE: VAR 5.1% - 5.6%

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	ALIGNMENT DIAGRAM	SHEET	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 01
PLOT DATE : 1/28/2020 1:28 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42





PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	ALIGNMENT DIAGRAM	SHEET 127	E

2

N

N EAGLE RD

N ROHERTY RD

N FOX RD

USH 14

PI: 498+91.54

PI: 511+53.11

PI: 514+57.92

PI: 518+67.47

PI: 530+57.57

PI: 545+68.54

PI: 561+16.73

PI: 571+50.00

500 505 510 515 520 525 530 535 540 545 550 555 560 565 570 575

S58° 46' 22"E

S58° 42' 37"E

S58° 36' 59"E

S58° 36' 22"E

S58° 23' 25"E

S58° 31' 45"E

S58° 28' 58"E

S58° 25' 50"E

PI STA = 511+53.11
Y = 292831.482
X = 453240.385
DELTA = 0°03'45"

PI STA = 514+57.92
Y = 292673.174
X = 453500.860
DELTA = 0°05'38"

PI STA = 518+67.47
Y = 292459.892
X = 453850.498
DELTA = 0°00'38"

PI STA = 530+57.57
Y = 291839.945
X = 454866.374
DELTA = 0°12'56"

PI STA = 545+68.54
Y = 291048.002
X = 456153.173
DELTA = 0°08'19"

PI STA = 561+16.73
Y = 290239.744
X = 457473.632
DELTA = 0°02'46"

PI STA = 571+50.00
Y = 289699.599
X = 458354.476
DELTA = 0°03'08"

PI STA = 587+50.89
Y = 288861.368
X = 459718.376
DELTA = 0°03'03"

PI STA = 622+42.61
Y = 287184.529
X = 462780.225
DELTA = 1°55'41"
D = 0°28'39"
T = 201.92'
L = 403.80'
R = 12000.00'
PC STA = 620+40.70
Y = 287279.563
X = 462602.070
PT STA = 624+44.49
Y = 287095.542
X = 462961.476
BK = S61°55'22"E
AH = S63°51'03"E
SE (MATCH EXISTING)=
EB LANE: 1.9%
WB LANE: 1.6%

PI STA = 638+29.17
Y = 286485.302
X = 464204.429
DELTA = 25°34'47"
D = 2°00'32"
T = 647.50'
L = 1273.41'
R = 2852.30'
PC STA = 631+81.67
Y = 286770.660
X = 463623.204
PT STA = 644+55.08
Y = 286478.868
X = 464851.894
BK = S63°51'03"E
AH = S89°25'50"E
SE (MATCH EXISTING)=
EB LANE: VAR 3.2% - 4.7%
WB LANE: VAR 3.7% - 4.5%

N

N FOX RD

USH 14

CTH H

PI: 576+74.99

PI: 582+11.75

PI: 587+50.89

PC: 591+73.19

PT: 595+93.81

PI: 608+08.15

PC: 620+40.70

PT: 624+44.49

PC: 631+81.67

PT: 644+55.08

PI: 650+44.77

575 580 585 590 595 600 605 610 615 620 625 630 635 640 645 650

S58° 21' 46"E

S58° 29' 02"E

S58° 32' 05"E

S61° 52' 55"E

S61° 55' 22"E

S63° 51' 03"E

S89° 25' 50"E

130+12.37'H' = 637+98.72'WB'

130+00.00'H' = 308+75.25

635'WB'

640'WB'

645'WB'

PI STA = 576+74.99
Y = 289424.752
X = 458801.770
DELTA = 0°04'04"

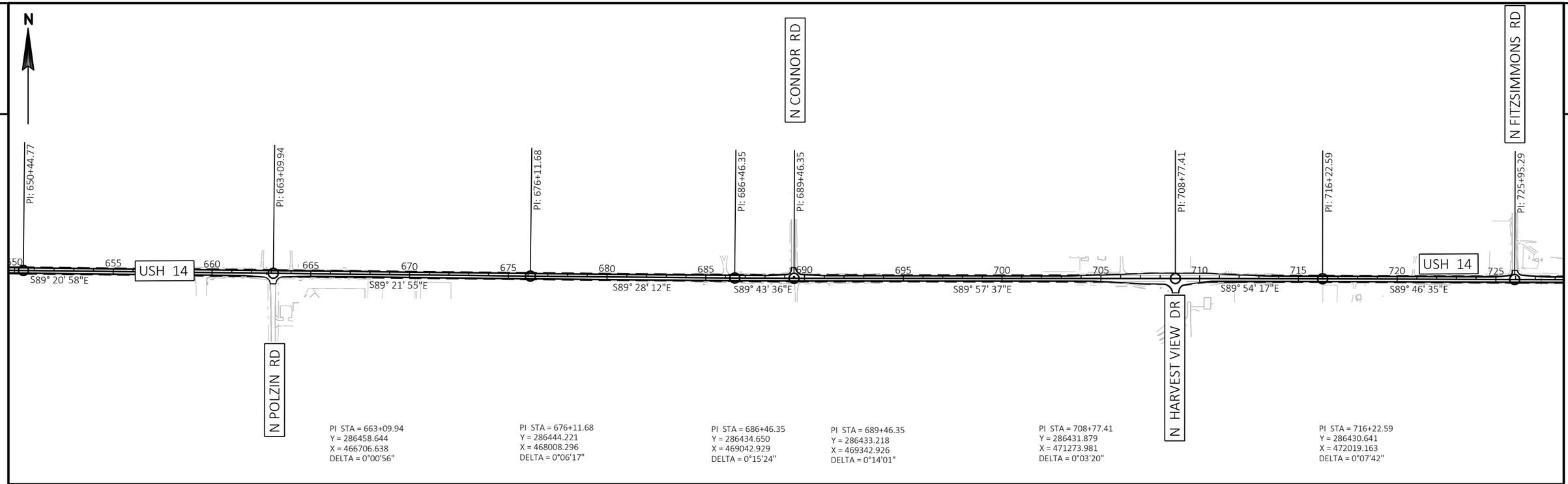
PI STA = 582+11.75
Y = 289143.197
X = 459258.765
DELTA = 0°07'16"

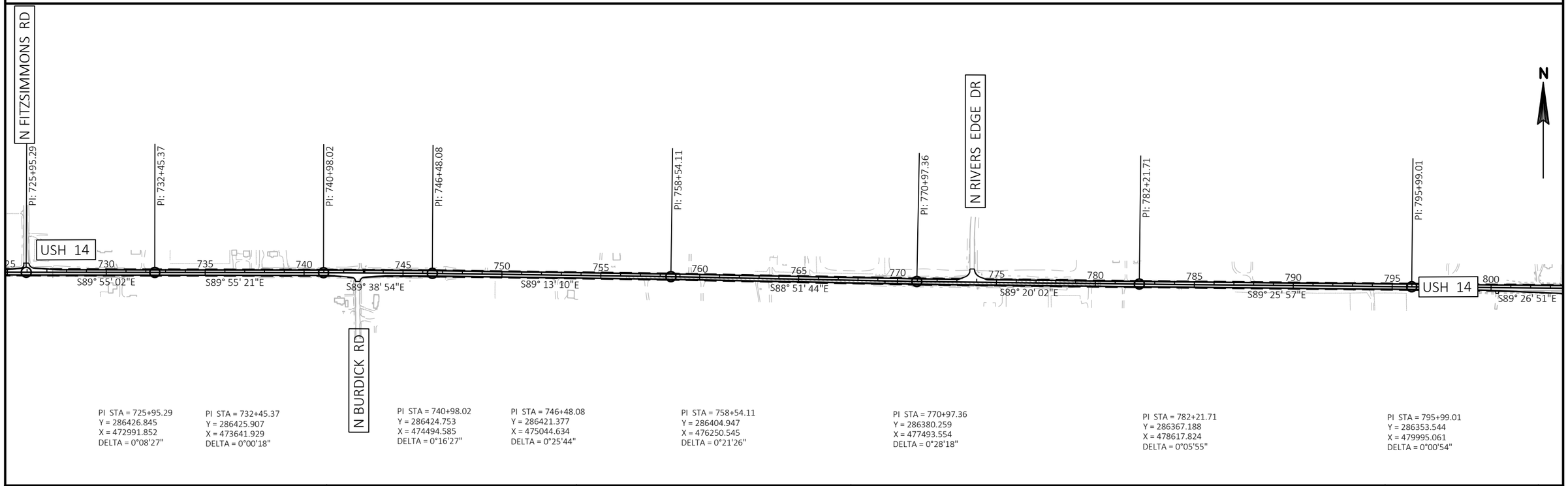
PI STA = 593+83.56
Y = 288531.127
X = 460258.014
DELTA = 3°20'50"
D = 0°47'45"
T = 210.37'
L = 420.62'
R = 7200.00'
PC STA = 591+73.19
Y = 288640.935
X = 460078.579
PT STA = 595+93.81
Y = 288431.983
X = 460443.554
BK = S58°32'05"E
AH = S61°52'55"E
SE (MATCH EXISTING) =
EB LANE: VAR 1.4% - 1.8%
WB LANE: VAR 2.3% - 2.5%

PI STA = 608+08.15
Y = 287859.672
X = 461514.579
DELTA = 0°02'28"

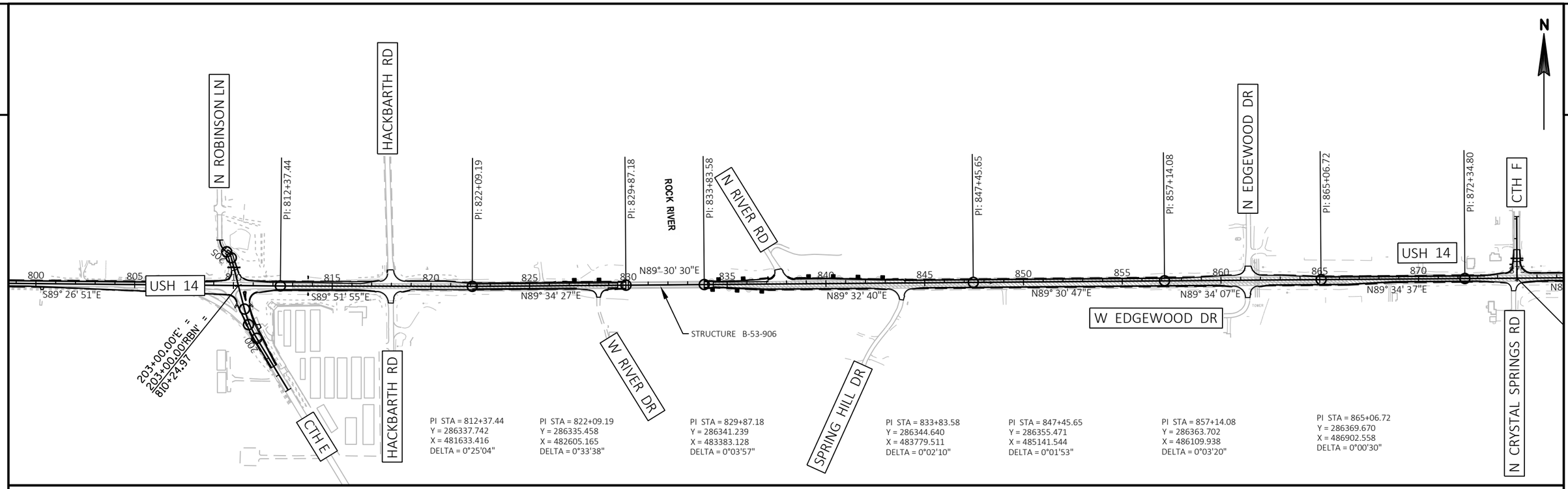
PI STA = 650+44.77
Y = 286473.007
X = 465441.547
DELTA = 0°04'52"

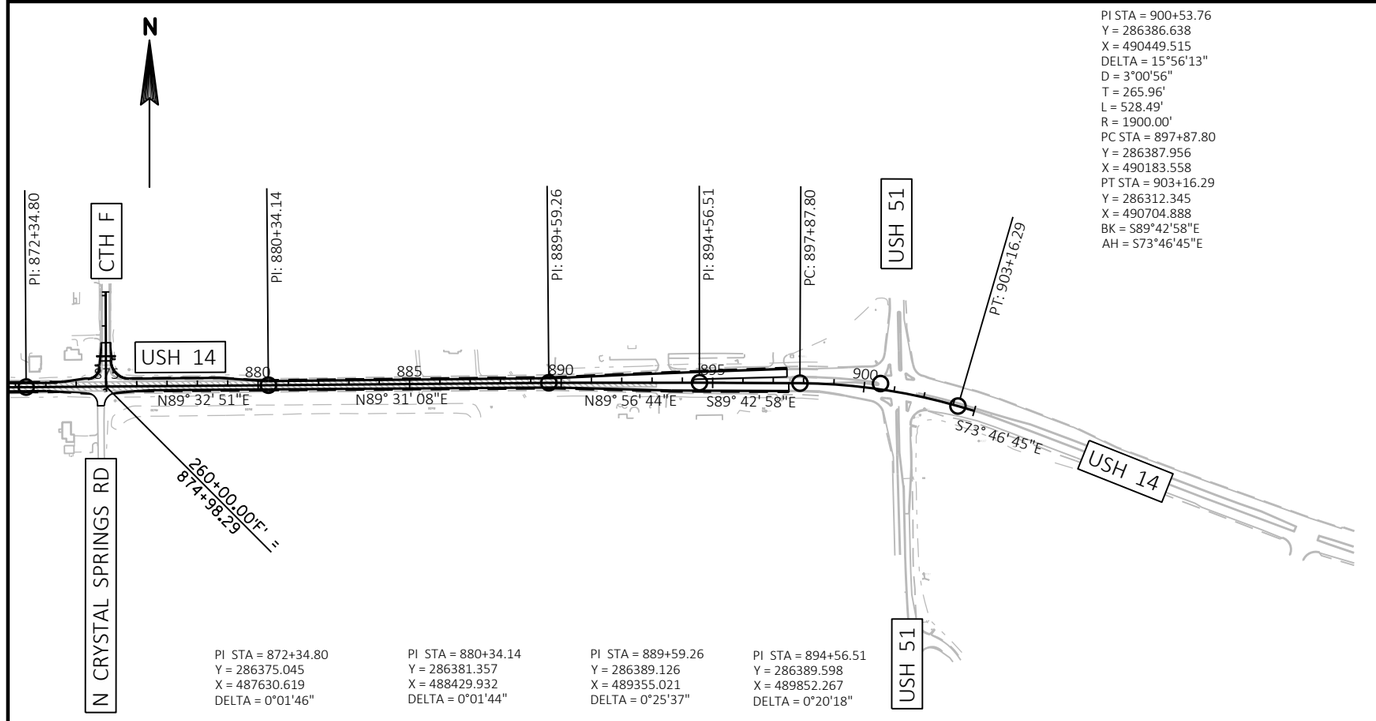
PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	ALIGNMENT DIAGRAM	SHEET 128	E





PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	ALIGNMENT DIAGRAM	SHEET 129	E



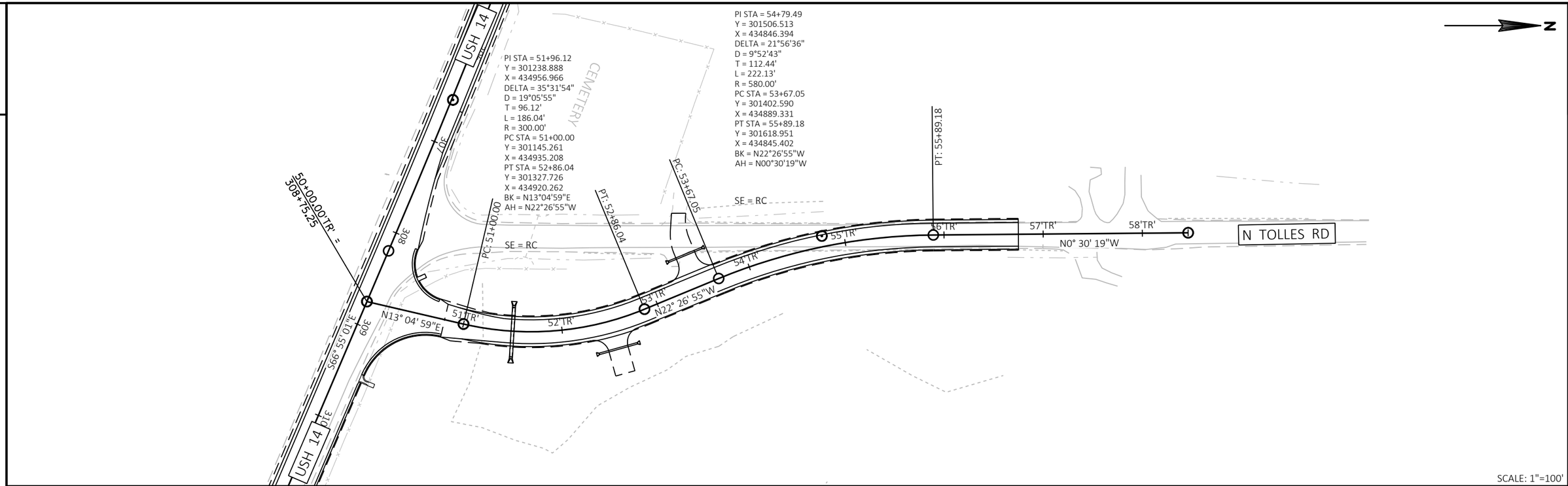


CONTROL POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	DESCRIPTION
CP-109	237+92.55	12.43' RT	303519.215	428278.656	FENO SPIKE
CP-1	252+90.58	57.87' LT	303131.380	429727.947	FENO SPIKE
CP-106	255+90.21	884.33' RT	302148.028	429685.005	FENO SPIKE
CP-203	274+60.11	15.41' RT	302287.212	431730.235	FENO SPIKE
CP-2	306+50.32	28.68' LT	301161.407	434715.994	FENO SPIKE
CP-214	329+43.86	14.16' RT	300201.595	436800.106	FENO SPIKE
CP-3	364+20.34	39.96' LT	299337.642	440146.372	FENO SPIKE
CP-228	401+83.24	13.48' RT	298311.089	443757.064	FENO SPIKE
CP-233	419+16.84	14.41' RT	297568.062	445316.726	FENO SPIKE
CP-4	422+53.12	53.86' RT	297374.793	445594.312	FENO SPIKE
CP-5	468+07.63	59.30' LT	295138.243	449561.323	FENO SPIKE
CP-6	514+51.57	45.08' RT	292637.953	453472.024	FENO SPIKE
CP-246	519+24.25	13.77' RT	292418.560	453891.788	FENO SPIKE
CP-7	576+13.93	41.18' LT	289491.802	458771.304	FENO SPIKE
CP-8	638+27.37	121.07' LT	286671.730	464257.549	FENO SPIKE
CP-409	683+88.41	15.39' RT	286421.645	468784.856	FENO SPIKE
CP-9	688+69.43	36.27' LT	286469.856	469266.173	FENO SPIKE
CP-506	719+57.78	14.33' RT	286415.000	472354.295	FENO SPIKE
CP-10	742+35.96	45.00' RT	286378.912	474632.239	FENO SPIKE
CP-11	837+90.93	82.21' LT	286430.091	484186.201	FENO SPIKE
CP-12	875+26.28	77.65' RT	286299.704	487922.697	FENO SPIKE

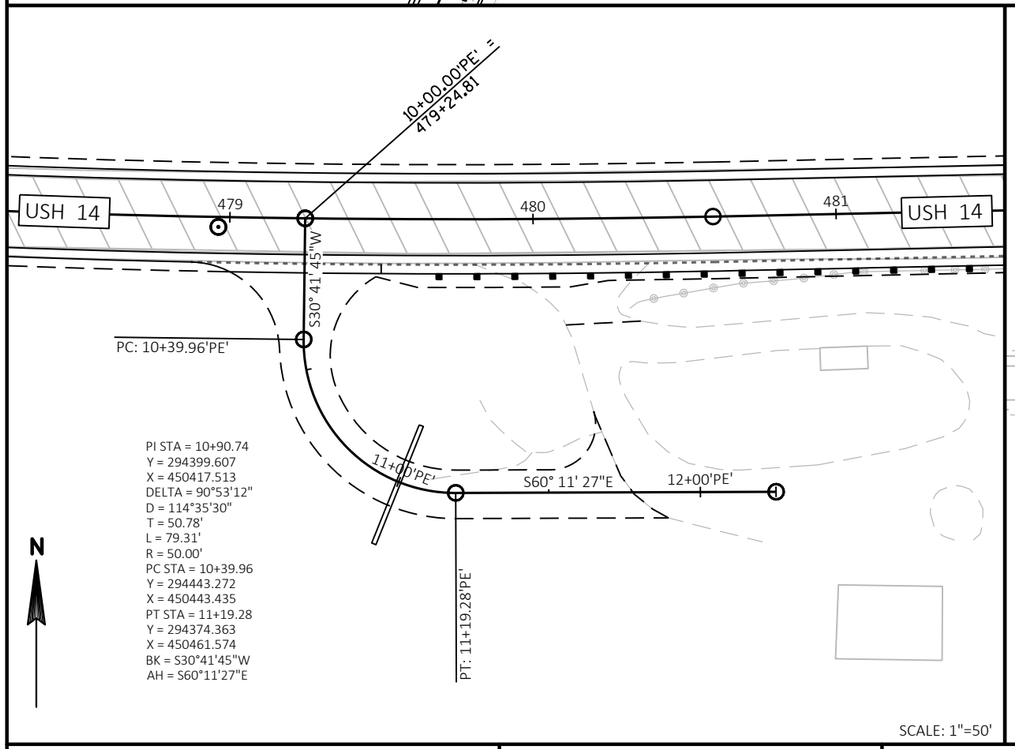
PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	ALIGNMENT DIAGRAM	SHEET 130 E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 05

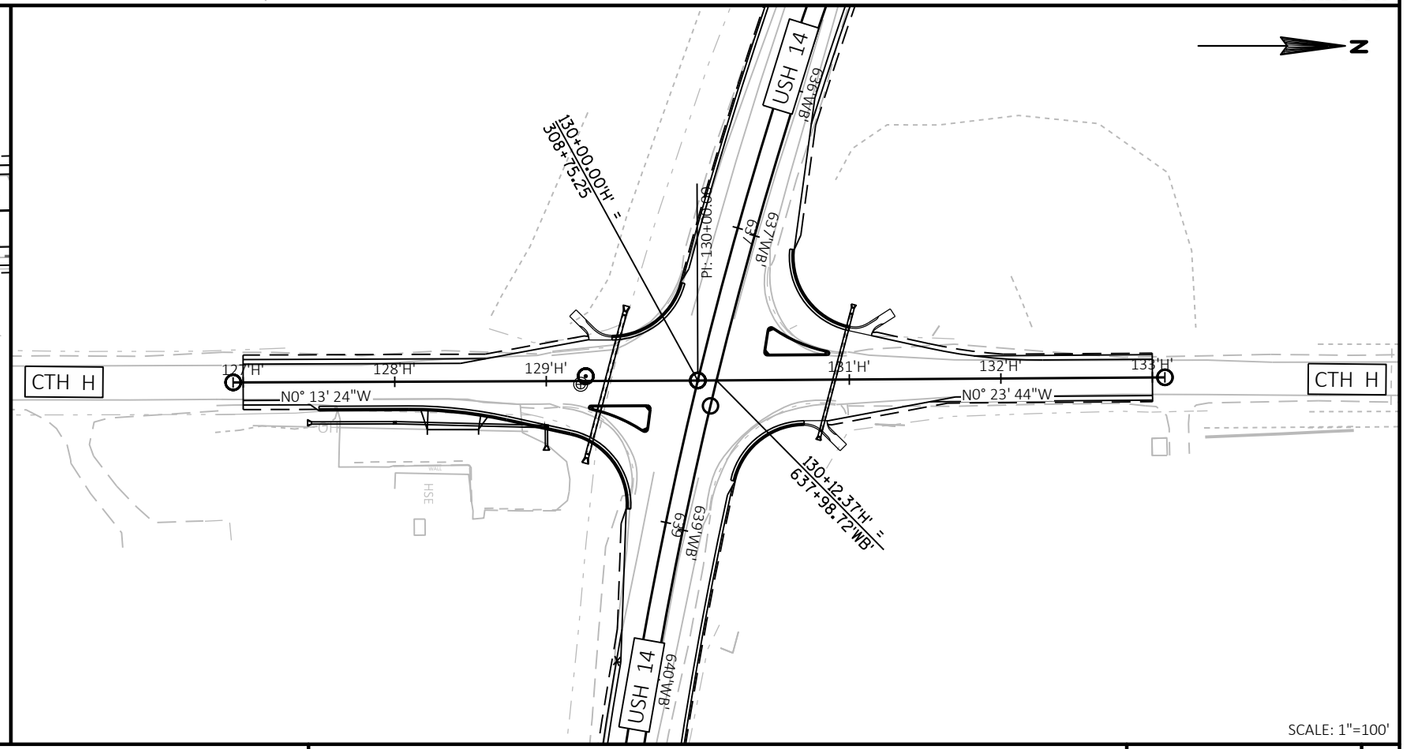
PLOT DATE : 1/28/2020 1:28 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:500 FT



SCALE: 1"=100'

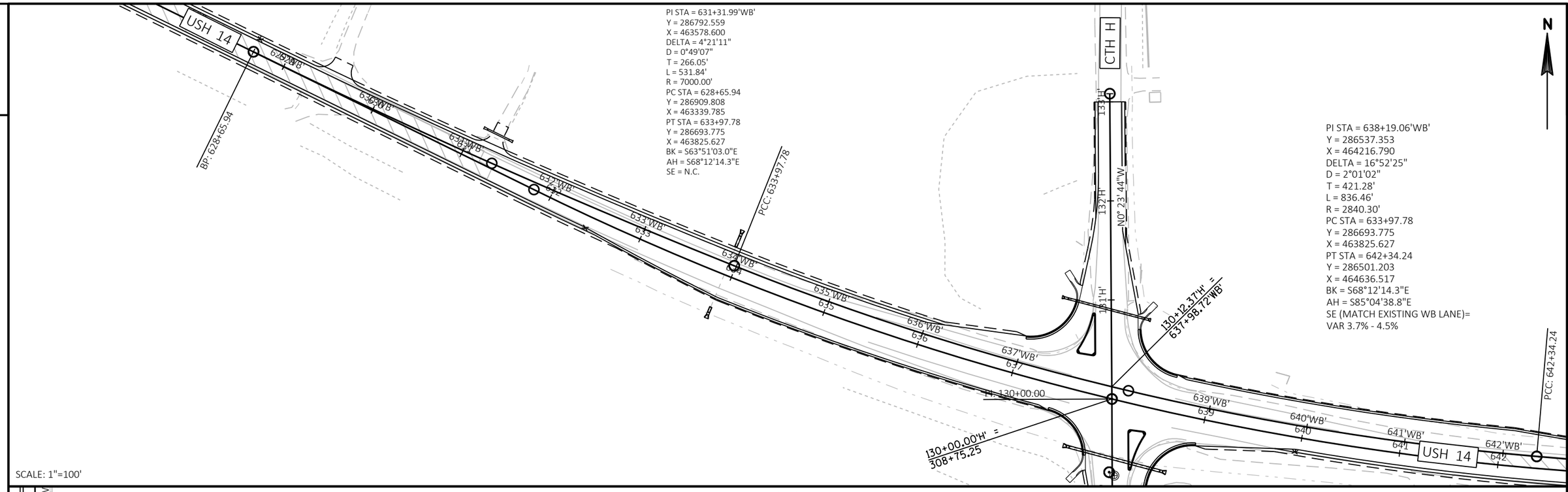


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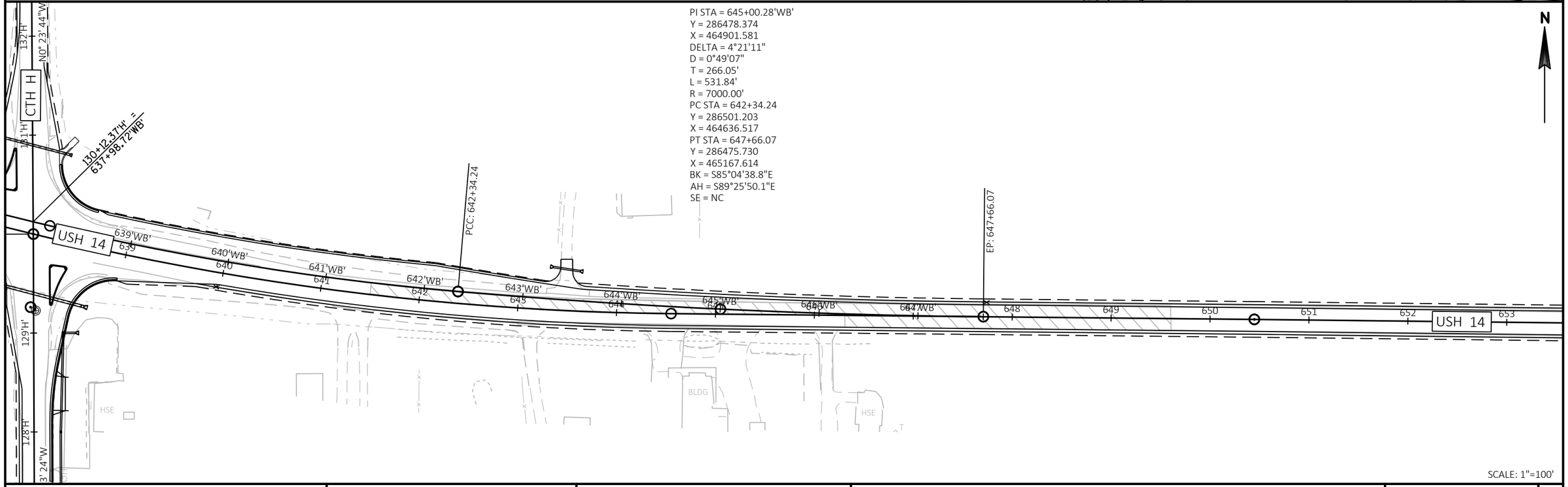


SCALE: 1"=100'

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	ALIGNMENT DIAGRAM	SHEET 131 E



SCALE: 1"=100'

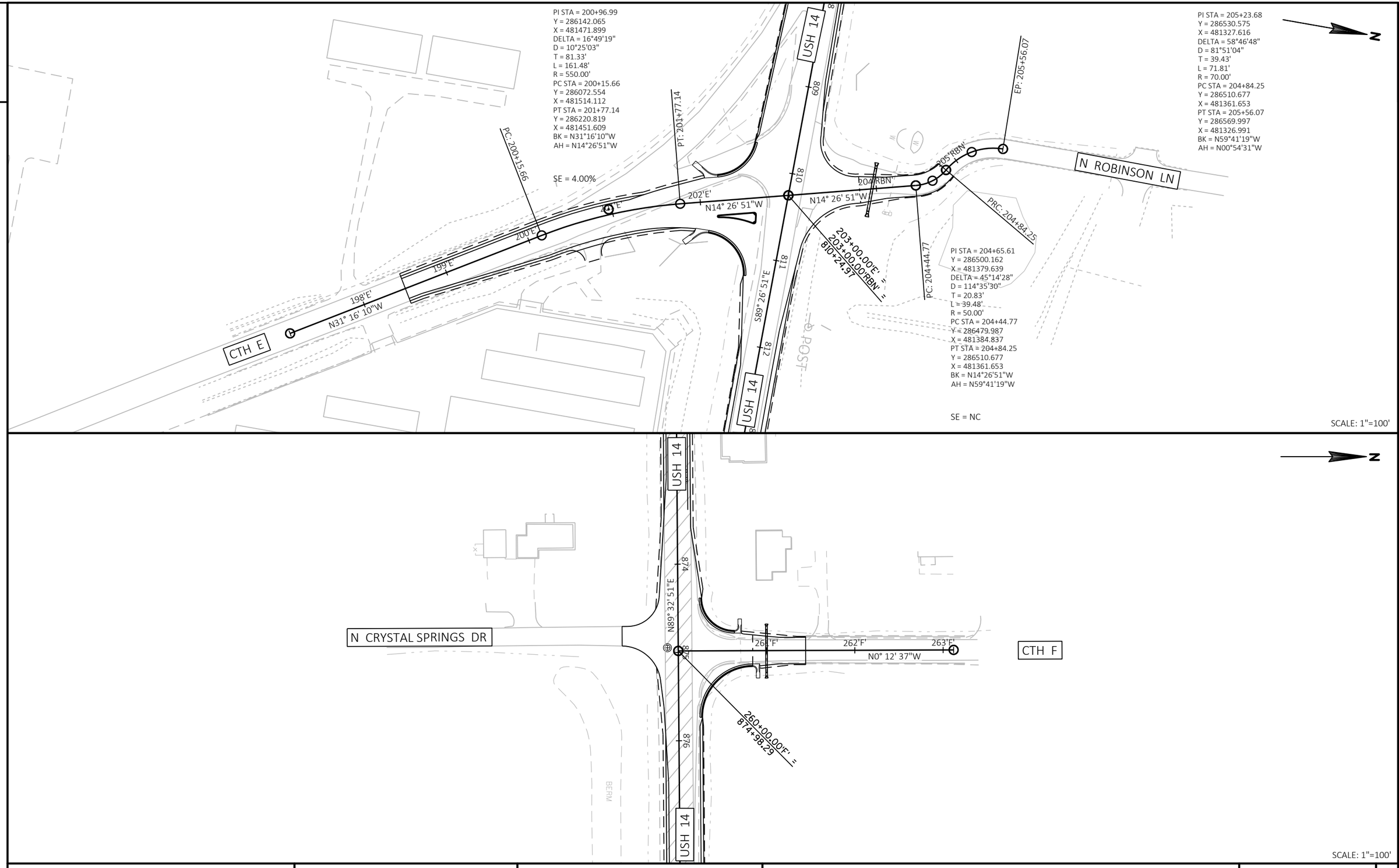


SCALE: 1"=100'

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	ALIGNMENT DIAGRAM	SHEET 132	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\027202_AD.DWG
LAYOUT NAME - 07

PLOT DATE : 1/28/2020 1:33 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	ALIGNMENT DIAGRAM	SHEET 133 E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\027202_AD.DWG
LAYOUT NAME - 08
PLOT DATE : 1/28/2020 1:33 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

5155-02-62

Line	Item	Item Description	Unit	Total	Qty
0002	201.0110	Clearing	SY	366.000	366.000
0004	201.0120	Clearing	ID	106.000	106.000
0006	201.0210	Grubbing	SY	366.000	366.000
0008	201.0220	Grubbing	ID	106.000	106.000
0010	203.0100	Removing Small Pipe Culverts	EACH	5.000	5.000
0012	203.0200	Removing Old Structure (station) 01. 832+00	LS	1.000	1.000
0014	204.0100	Removing Pavement	SY	2,260.000	2,260.000
0016	204.0110	Removing Asphaltic Surface	SY	2,420.000	2,420.000
0018	204.0115	Removing Asphaltic Surface Butt Joints	SY	209.000	209.000
0020	204.0120	Removing Asphaltic Surface Milling	SY	244,702.000	244,702.000
0022	204.0150	Removing Curb & Gutter	LF	811.000	811.000
0024	204.0155	Removing Concrete Sidewalk	SY	107.000	107.000
0026	204.0165	Removing Guardrail	LF	2,134.000	2,134.000
0028	204.0170	Removing Fence	LF	1,486.000	1,486.000
0030	204.0180	Removing Delineators and Markers	EACH	14.000	14.000
0032	204.0190	Removing Surface Drains	EACH	3.000	3.000
0034	204.0195	Removing Concrete Bases	EACH	1.000	1.000
0036	204.0275	Closing Culvert Pipes	EACH	1.000	1.000
0038	205.0100	Excavation Common	CY	17,295.000	17,295.000
0040	206.1000	Excavation for Structures Bridges (structure) 01. B-53-906	LS	1.000	1.000
0042	208.1100	Select Borrow	CY	161.000	161.000
0044	210.1500	Backfill Structure Type A	TON	50.000	50.000
0046	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	4,575.000	4,575.000
0048	213.0100	Finishing Roadway (project) 01. 5155-02-62	EACH	1.000	1.000
0050	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,453.000	1,453.000
0052	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	12,507.000	12,507.000
0054	305.0500	Shaping Shoulders	STA	1,269.000	1,269.000
0056	305.0504.S	Hauling Excess Shoulder Material	CY	100.000	100.000
0058	415.0410	Concrete Pavement Approach Slab	SY	106.000	106.000
0060	416.1010	Concrete Surface Drains	CY	4.000	4.000
0062	455.0605	Tack Coat	GAL	31,615.000	31,615.000
0064	460.0105.S	HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	1.000	1.000
0066	460.0110.S	HMA Percent Within Limits (PWL) Test Strip Density	EACH	2.000	2.000
0068	460.2000	Incentive Density HMA Pavement	DOL	10,280.000	10,280.000
0070	460.2005	Incentive Density PWL HMA Pavement	DOL	37,038.000	37,038.000
0072	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	109,400.000	109,400.000
0074	460.2010	Incentive Air Voids HMA Pavement	DOL	52,379.000	52,379.000
0076	460.6224	HMA Pavement 4 MT 58-28 S	TON	51,939.000	51,939.000
0078	465.0105	Asphaltic Surface	TON	5,140.000	5,140.000

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Line	Item	Item Description	Unit	Total	Qty
0080	465.0110	Asphaltic Surface Patching	TON	100.000	100.000
0082	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	401.000	401.000
0084	465.0305	Asphaltic Surface Safety Islands	TON	18.000	18.000
0086	465.0315	Asphaltic Flumes	SY	141.000	141.000
0088	502.0100	Concrete Masonry Bridges	CY	9.000	9.000
0090	502.2000	Compression Joint Sealer Preformed Elastomeric (width) 01. 2 1/2 IN	LF	68.000	68.000
0092	502.4205	Adhesive Anchors No. 5 Bar	EACH	76.000	76.000
0094	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	1,120.000	1,120.000
0096	509.0301	Preparation Decks Type 1	SY	1.000	1.000
0098	509.0310.S	Sawing Pavement Deck Preparation Areas	LF	10.000	10.000
0100	509.1500	Concrete Surface Repair	SF	155.000	155.000
0102	516.0500	Rubberized Membrane Waterproofing	SY	8.000	8.000
0104	517.1800.S	Structure Repainting Recycled Abrasive (structure) 01. B-53-906	LS	1.000	1.000
0106	517.4500.S	Negative Pressure Containment and Collection of Waste Materials (structure) 01. B-53-906	LS	1.000	1.000
0108	517.6001.S	Portable Decontamination Facility	EACH	1.000	1.000
0110	520.1018	Apron Endwalls for Culvert Pipe 18-Inch	EACH	6.000	6.000
0112	520.3318	Culvert Pipe Class III-A 18-Inch	LF	170.000	170.000
0114	520.8000	Concrete Collars for Pipe	EACH	6.000	6.000
0116	520.8700	Cleaning Culvert Pipes	EACH	3.000	3.000
0118	521.1018	Apron Endwalls for Culvert Pipe Steel 18-Inch	EACH	2.000	2.000
0120	521.1024	Apron Endwalls for Culvert Pipe Steel 24-Inch	EACH	4.000	4.000
0122	521.1518	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 6 to 1	EACH	4.000	4.000
0124	521.3118	Culvert Pipe Corrugated Steel 18-Inch	LF	168.000	168.000
0126	521.3124	Culvert Pipe Corrugated Steel 24-Inch	LF	100.000	100.000
0128	522.0118	Culvert Pipe Reinforced Concrete Class III 18-Inch	LF	130.000	130.000
0130	522.0124	Culvert Pipe Reinforced Concrete Class III 24-Inch	LF	124.000	124.000
0132	522.0130	Culvert Pipe Reinforced Concrete Class III 30-Inch	LF	74.000	74.000
0134	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	4.000	4.000
0136	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	6.000	6.000
0138	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	4.000	4.000
0140	601.0120	Concrete Curb Type J	LF	298.000	298.000
0142	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	70.000	70.000
0144	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	937.000	937.000
0146	602.0405	Concrete Sidewalk 4-Inch	SF	1,071.000	1,071.000

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Line	Item	Item Description	Unit	Total	Qty
0148	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	50.000	50.000
0150	606.0200	Riprap Medium	CY	179.000	179.000
0152	611.0636	Inlet Covers Type HM-S	EACH	1.000	1.000
0154	611.0642	Inlet Covers Type MS	EACH	1.000	1.000
0156	611.3004	Inlets 4-FT Diameter	EACH	1.000	1.000
0158	611.3901	Inlets Median 1 Grate	EACH	1.000	1.000
0160	614.2330	MGS Guardrail 3 K	LF	1,475.000	1,475.000
0162	614.2500	MGS Thrie Beam Transition	LF	157.000	157.000
0164	614.2610	MGS Guardrail Terminal EAT	EACH	8.000	8.000
0166	616.0700.S	Fence Safety	LF	1,350.000	1,350.000
0168	618.0100	Maintenance And Repair of Haul Roads (project) 01. 5155-02-62	EACH	1.000	1.000
0170	619.1000	Mobilization	EACH	1.000	1.000
0172	623.0200	Dust Control Surface Treatment	SY	21,090.000	21,090.000
0174	624.0100	Water	MGAL	140.000	140.000
0176	625.0500	Salvaged Topsoil	SY	31,211.000	31,211.000
0178	627.0200	Mulching	SY	12,284.000	12,284.000
0180	628.1104	Erosion Bales	EACH	8.000	8.000
0182	628.1504	Silt Fence	LF	5,249.000	5,249.000
0184	628.1520	Silt Fence Maintenance	LF	10,488.000	10,488.000
0186	628.1905	Mobilizations Erosion Control	EACH	5.000	5.000
0188	628.1910	Mobilizations Emergency Erosion Control	EACH	5.000	5.000
0190	628.2004	Erosion Mat Class I Type B	SY	17,584.000	17,584.000
0192	628.2023	Erosion Mat Class II Type B	SY	2,439.000	2,439.000
0194	628.7005	Inlet Protection Type A	EACH	1.000	1.000
0196	628.7015	Inlet Protection Type C	EACH	7.000	7.000
0198	628.7020	Inlet Protection Type D	EACH	1.000	1.000
0200	628.7504	Temporary Ditch Checks	LF	277.000	277.000
0202	628.7555	Culvert Pipe Checks	EACH	52.000	52.000
0204	628.7560	Tracking Pads	EACH	11.000	11.000
0206	629.0210	Fertilizer Type B	CWT	20.000	20.000
0208	630.0120	Seeding Mixture No. 20	LB	637.000	637.000
0210	630.0140	Seeding Mixture No. 40	LB	227.000	227.000
0212	630.0200	Seeding Temporary	LB	982.000	982.000
0214	630.0500	Seed Water	MGAL	884.000	884.000
0216	631.1100	Sod Erosion Control	SY	346.000	346.000
0218	633.5200	Markers Culvert End	EACH	18.000	18.000
0220	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	3.000	3.000
0222	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	5.000	5.000
0224	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	9.000	9.000

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Line	Item	Item Description	Unit	Total	Qty
0226	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	3.000	3.000
0228	634.0620	Posts Wood 4x6-Inch X 20-FT	EACH	1.000	1.000
0230	637.2210	Signs Type II Reflective H	SF	109.000	109.000
0232	637.2230	Signs Type II Reflective F	SF	28.000	28.000
0234	638.2102	Moving Signs Type II	EACH	56.000	56.000
0236	638.2602	Removing Signs Type II	EACH	8.000	8.000
0238	638.3000	Removing Small Sign Supports	EACH	7.000	7.000
0240	638.4000	Moving Small Sign Supports	EACH	52.000	52.000
0242	642.5201	Field Office Type C	EACH	1.000	1.000
0244	643.0300	Traffic Control Drums	DAY	11,000.000	11,000.000
0246	643.0410	Traffic Control Barricades Type II	DAY	200.000	200.000
0248	643.0420	Traffic Control Barricades Type III	DAY	8,000.000	8,000.000
0250	643.0705	Traffic Control Warning Lights Type A	DAY	15,000.000	15,000.000
0252	643.0715	Traffic Control Warning Lights Type C	DAY	200.000	200.000
0254	643.0800	Traffic Control Arrow Boards	DAY	7.000	7.000
0256	643.0900	Traffic Control Signs	DAY	26,000.000	26,000.000
0258	643.0920	Traffic Control Covering Signs Type II	EACH	45.000	45.000
0260	643.1050	Traffic Control Signs PCMS	DAY	49.000	49.000
0262	643.1070	Traffic Control Cones 42-Inch	DAY	500.000	500.000
0264	643.5000	Traffic Control	EACH	1.000	1.000
0266	644.1430	Temporary Pedestrian Surface Plate	SF	900.000	900.000
0268	644.1601	Temporary Pedestrian Curb Ramp	DAY	28.000	28.000
0270	644.1810	Temporary Pedestrian Barricade	LF	230.000	230.000
0272	645.0130	Geotextile Type R	SY	341.000	341.000
0274	646.1020	Marking Line Epoxy 4-Inch	LF	5,360.000	5,360.000
0276	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	131,485.000	131,485.000
0278	646.3020	Marking Line Epoxy 8-Inch	LF	754.000	754.000
0280	646.3040	Marking Line Grooved Wet Ref Epoxy 8-Inch	LF	4,526.000	4,526.000
0282	646.4520	Marking Line Same Day Epoxy 4-Inch	LF	110,215.000	110,215.000
0284	646.5020	Marking Arrow Epoxy	EACH	15.000	15.000
0286	646.5120	Marking Word Epoxy	EACH	2.000	2.000
0288	646.6120	Marking Stop Line Epoxy 18-Inch	LF	351.000	351.000
0290	646.7120	Marking Diagonal Epoxy 12-Inch	LF	1,247.000	1,247.000
0292	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	393.000	393.000
0294	646.8120	Marking Curb Epoxy	LF	98.000	98.000
0296	646.8220	Marking Island Nose Epoxy	EACH	10.000	10.000
0298	646.9010	Marking Removal Line Water Blasting 4-Inch	LF	200.000	200.000
0300	648.0100	Locating No-Passing Zones	MI	10.460	10.460
0302	649.0105	Temporary Marking Line Paint 4-Inch	LF	71,000.000	71,000.000
0304	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	1,745.000	1,745.000

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Line	Item	Item Description	Unit	Total	Qty
0306	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	200.000	200.000
0308	649.0850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	250.000	250.000
0310	650.4000	Construction Staking Storm Sewer	EACH	2.000	2.000
0312	650.4500	Construction Staking Subgrade	LF	9,496.000	9,496.000
0314	650.5000	Construction Staking Base	LF	9,496.000	9,496.000
0316	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	1,305.000	1,305.000
0318	650.6000	Construction Staking Pipe Culverts	EACH	19.000	19.000
0320	650.7000	Construction Staking Concrete Pavement	LF	33.000	33.000
0322	650.8000	Construction Staking Resurfacing Reference	LF	68,375.000	68,375.000
0324	650.8500	Construction Staking Electrical Installations (project) 01. 5155-02-62	LS	1.000	1.000
0326	650.9000	Construction Staking Curb Ramps	EACH	5.000	5.000
0328	650.9910	Construction Staking Supplemental Control (project) 01. 5155-02-62	LS	1.000	1.000
0330	650.9920	Construction Staking Slope Stakes	LF	9,530.000	9,530.000
0332	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	42.000	42.000
0334	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	37.000	37.000
0336	652.0800	Conduit Loop Detector	LF	1,101.000	1,101.000
0338	653.0135	Pull Boxes Steel 24x36-Inch	EACH	2.000	2.000
0340	654.0101	Concrete Bases Type 1	EACH	4.000	4.000
0342	655.0230	Cable Traffic Signal 5-14 AWG	LF	191.000	191.000
0344	655.0250	Cable Traffic Signal 9-14 AWG	LF	465.000	465.000
0346	655.0700	Loop Detector Lead In Cable	LF	2,679.000	2,679.000
0348	655.0800	Loop Detector Wire	LF	3,148.000	3,148.000
0350	657.0100	Pedestal Bases	EACH	3.000	3.000
0352	657.0405	Traffic Signal Standards Aluminum 3.5-FT	EACH	2.000	2.000
0354	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	1.000	1.000
0356	657.0595	Trombone Arms 25-FT	EACH	1.000	1.000
0358	658.0173	Traffic Signal Face 3S 12-Inch	EACH	1.000	1.000
0360	658.0175	Traffic Signal Face 5S 12-Inch	EACH	2.000	2.000
0362	690.0150	Sawing Asphalt	LF	12,560.000	12,560.000
0364	690.0250	Sawing Concrete	LF	70.000	70.000
0366	715.0415	Incentive Strength Concrete Pavement	DOL	500.000	500.000
0368	740.0440	Incentive IRI Ride	DOL	53,800.000	53,800.000
0370	SPV.0060	Special 01. Landmark Reference Monuments Special	EACH	10.000	10.000
0372	SPV.0060	Special 02. Verify Landmark Reference Monuments	EACH	40.000	40.000
0374	SPV.0060	Special 03. Bearing Repair	EACH	2.000	2.000
0376	SPV.0060	Special 04. Cleaning and Painting Bearings	EACH	16.000	16.000
0378	SPV.0060	Special 05. Removing Billboards	EACH	2.000	2.000
0380	SPV.0090	Special 01. Asphaltic Centerline Rumble Strip	LF	53,612.000	53,612.000

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Line	Item	Item Description	Unit	Total	Qty
		Sinusoidal 2-Lane Rural			
0382	SPV.0090	Special 02. Asphaltic Shoulder Rumble Strip Sinusoidal 2-Lane Rural	LF	107,812.000	107,812.000
0384	SPV.0090	Special 03. Strip Seal Gland Replacement	LF	33.000	33.000
0386	SPV.0105	Special 01. Remove Loop Detector Wire and Lead-In Cable, USH 14 & CTH M	LS	1.000	1.000
0388	SPV.0105	Special 02. Remove and Reinstall Traffic Signal Standards and Ped Push Buttons	LS	1.000	1.000
0390	SPV.0105	Special 03. Remove and Reinstall Loop Detector Wire and Lead-In Cable, USH 14 & USH 51	LS	1.000	1.000
0392	SPV.0180	Special 01. Removing Distressed Pavement Milling	SY	17,130.000	17,130.000
0394	SPV.0180	Special 02. Methacrylate Flood Seal	SY	1,370.000	1,370.000

3

REMOVING PAVEMENT

LOCATION	204.0100 REMOVING PAVEMENT SY
CTH E	1980
W END ROCK RIVER BRIDGE - APPROACH SLAB	140
E END ROCK RIVER BRIDGE - APPROACH SLAB	140
TOTAL	**2260**

REMOVING CONCRETE BASE

LOCATION	204.0195 REMOVING CONCRETE BASE EACH
805+50, 32' RT	1
TOTAL	**1**

REMOVING DELINEATORS AND MARKERS

LOCATION	204.0180 REMOVING DELINEATORS AND MARKERS EACH
51+70'TR', LT	2
311+14	2
421+31, LT & RT	2
633+92, LT & RT	2
129+40'H'	2
813+78, LT & RT	2
260+71'F'	2
TOTAL	**14**

CLEARING & GRUBBING

LOCATION	201.0110 CLEARING SY	201.0120 CLEARING ID	201.0210 GRUBBING SY	201.022 GRUBBING ID
TOLLES RD				
52+84'TR', LT	-	18	-	18
53+04'TR', LT	-	18	-	18
53+68'TR', RT	-	15	-	15
53+77'TR', RT	-	15	-	15
53+93'TR', RT	-	15	-	15
54+19'TR', RT	-	15	-	15
55+60'TR' TO 56+63'TR', LT	92	-	92	-
MAINLINE USH 14				
481+02 TO 483+07, RT	120	-	120	-
811+25 TO 811+77, LT	26	-	26	-
838+76 TO 844+10, LT	128	-	128	-
874+57, LT	-	10	-	10
TOTALS	**366**	**106**	**366**	**106**

REMOVING ASPHALTIC SURFACE BUTT JOINTS

LOCATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY
USH 14 & CTH M	30
JOHN LINDEMANN DR	9
N WEARY RD	10
N TERRITORIAL DR	6
TOLLES RD	5
N TUTTLE RD/N WILDER RD	10
N RILEY RD	5
N CURTIS DR	5
N FELLOWS RD	5
N CASSIDY RD	5
N EAGLERD/N ROHERTY RD	11
N FOX RD	6
CTH H	8
POLZIN RD	6
CONNOR RD	4
N LEITH RD	7
N FITZSIMMONS RD	6
N BURDICK RD	5
N RIVERS EDGE RD	5
CTH E/N ROBINSON RD	11
NW RIVER DR/N HACKBARTH RD	12
N RIVER DR	8
SPRING HILL DR	4
W EDGEWOOD DR/N EDGEWOOD DR	8
CTH F/CRYSTAL SPRING RD	8
897+50, LT/RT	9
TOTAL	**209**

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3

REMOVING ASPHALTIC SURFACE

STA	TO	STA	OFFSET	LOCATION	204.0110 REMOVING ASPHALTIC SURFACE SY
309+45	-	312+65	LT	WB RIGHT TURN LANE AT TOLLES RD	210
819+00	-	827+40	RT	USH 14 (5' PAVED SHOULDER FOR BIKES)	160
821+85	-	826+34	LT	USH 14 (5' PAVED SHOULDER FOR BIKES)	140
826+34	-	829+87	LT	USH 14 SHLDRS BEFORE BRIDGE DECK	50
828+97	-	829+87	RT	USH 14 SHLDRS BEFORE BRIDGE DECK	40
833+84	-	836+98	LT	USH 14 SHLDRS BEFORE BRIDGE DECK	140
833+84	-	837+06	RT	USH 14 SHLDRS BEFORE BRIDGE DECK	90
838+49	-	843+93	LT	USH 14 WB RIGHT TURN LANE	440
842+19	-	844+87	RT	USH 14	130
859+91	-	862+48	RT	USH 14	150
875+75	-	880+25	LT	WB RIGHT TURN LANE AT CTH F	870
TOTAL					**2420**

PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS

STA	TO	STA	OFFSET	LOCATION	211.0400 PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS STA
309+45	-	312+65	LT	WB RIGHT TURN LANE AT TOLLES RD	320
479+62	-	483+30	RT	USH 14 - GUARDRAIL SECTION	368
819+00	-	827+40	RT	USH 14 (5' PAVED SHOULDER FOR BIKES)	840
821+85	-	826+34	LT	USH 14 (5' PAVED SHOULDER FOR BIKES)	449
826+34	-	829+87	LT	USH 14 SHLDRS BEFORE BRIDGE DECK	353
828+97	-	829+87	RT	USH 14 SHLDRS BEFORE BRIDGE DECK	90
833+84	-	836+98	LT	USH 14 SHLDRS BEFORE BRIDGE DECK	314
833+84	-	837+06	RT	USH 14 SHLDRS BEFORE BRIDGE DECK	322
838+49	-	843+93	LT	USH 14 WB RIGHT TURN LANE	544
842+19	-	844+87	RT	USH 14	268
859+91	-	862+48	RT	USH 14	257
875+75	-	880+25	LT	WB RIGHT TURN LANE AT CTH F	450
TOTAL					**4575**

REMOVING CURB & GUTTER AND SIDEWALK

LOCATION	204.0150 REMOVING CURB & GUTTER LF	204.0155 REMOVING CONCRETE SIDEWALK SY
CTH M	45	71
JOHN LINDEMANN DR	24	36
CTH H	406	-
CTH E	146	-
N RIVER RD	64	-
CTH F	126	-
TOTALS	**811**	**107**

REMOVING GUARDRAIL

LOCATION	204.0165 REMOVING GUARDRAIL LF
480+31 TO 483+30, RT	301
826+43 TO 829+85, LT	615
828+86 TO 829+84, RT	99
833+86 TO 837+05, LT	320
833+86 TO 836+81, RT	295
838+39 TO 843.42, LT	504
TOTAL	**2134**

REMOVING FENCE

STA	TO	STA	OFFSET	ALIGN	204.0170 REMOVING FENCE LF
50+19	-	56+60	LT/RT	TR	707
308+57	-	312+59	LT		403
639+66	-	643+37	LT		376
TOTAL					**1486**

3

REMOVING SURFACE DRAINS

STA	OFFSET	ALIGN	LOCATION	204.0190 REMOVING SURFACE DRAINS EACH
833+84	LT/RT	-	USH 14	2
837+08	LT	-	USH 14	1
TOTAL				**3**

MILLING AND DISTRESSED PAVEMENT ITEMS

LOCATION	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	SPV.0180 REMOVING DISTRESSED PAVEMENT MILLING SY	465.0105 ASPHALTIC SURFACE TON	465.0110 ASPHALTIC SURFACE PATCHING TON	455.0605* TACK COAT GAL
CTH M TO CTH H	142991	10009	2747	-	500
CTH M TO CTH H -SIDEROADS	6448	451	124	-	23
CTH H TO ROCK RIVER	62361	4365	1198	-	218
CTH H TO ROCK RIVER - SIDEROADS	3628	254	70	-	13
ROCK RIVER TO USH 51	26836	1880	516	-	94
ROCK RIVER TO USH 51 - SIDEROADS	2438	171	46	-	9
210+10 – 810+75	-	-	440	-	-
UNDISTRIBUTED	-	-	-	100	-
TOTALS	**244702**	**17130**	**5140**	**100**	**857**

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REMOVING OR CLOSING CULVERT PIPES

STA	OFFSET	ALIGN	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0275 CLOSING CULVERT PIPES EACH	COMMENTS
51+70	LT	TR	TOLLES RD	1	-	44' - 24"X18" PACS
311+14	-	-	USH 14	-	1	47' - 30"x18" RCBC
643+50	LT	-	USH 14	1	-	25' - 18" CPCS
128+72	RT	H	CTH H	1	-	125' - 15" CPCS
129+40	-	H	CTH H	1	-	64' - 24" CPCS
260+71	-	F	CTH F	1	-	45' - 18" CPCS
TOTALS				**5**	**1**	

BASE AGGREGATE MATERIAL

LOCATION	305.0110* BASE AGGREGATE DENSE 3/4-INCH TON	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	624.0100* WATER MGAL
TOLLES ROAD	73	2437	25
GUARDRAIL AT STA 480+00 +/-	57	245	3
CTH H	285	4650	49
CTH E/N ROBINSON RD	330	2465	28
ROCK RIVER STRUCTURE APPROACHES	-	172	2
GUARDRAIL AT ROCK RIVERS STRUCTURE	195	1140	13
CTH F	46	972	10
TOTALS	**986**	**12081**	**131**

***ADDITIONAL QUANTITIES LISTED ELSEWHERE**

SHAPING SHOULDERS AND HAULING EXCESS SHOULDER MATERIAL

STA	TO	STA	OFFSET	305.0500 SHAPING SHOULDERS STA	305.0504.S HAULING EXCESS SHOULDER MATERIAL CY
215+01	-	306+62	LT	92	-
215+01	-	311+01	RT	96	-
312+75	-	421+00	LT	109	-
311+70	-	421+00	RT	110	-
421+75	-	628+66	LT	207	-
421+50	-	478+72	RT	58	-
483+48	-	632+44	RT	149	-
647+71	-	805+75	LT	159	-
639+96	-	799+55	RT	160	-
817+05	-	825+73	LT	9	-
817+05	-	828+66	RT	12	-
837+69	-	897+52	RT	60	-
844+11	-	873+39	LT	30	-
880+24	-	897+45	LT	18	-
UNDISTRIBUTED			-	-	100
TOTALS				**1269**	**100**

3

USH 14 EARTHWORK SUMMARY

STAGE	Station	Alignment	Excavation Common (1) (Item # 205.0100)		Unusable Pavement Material	Available Material (4)	Unexpanded Fill	Expanded Fill (5)	Expanded EBS Backfill Select Borrow (Item #208.1100)	Mass Ordinate +/- (6)
			Cut (2)	EBS Excavation (3)				Factor 1.25	Factor 1.30	
1	306+62.26 - 312+64	USH 14	1632	0	0	1632	27	34	0	1599
1	421+00 - 421+75	USH 14	59	0	0	59	23	29	0	30
1	479+50 - 483+48	USH 14	163	0	0	163	2	3	0	160
1	628+66 - 647+70	USH 14	2985	0	0	2985	461	577	0	2409
1	50+86.93 - 56+75	Tolles Rd	4231	43	0	4231	133	166	56	4120
1	10+18 - 11+80	PE	10	0	0	10	473	591	0	-581
1	127+00 - 133+00	CTH H	919	24	0	919	28	36	31	915
2	210+05 LT&RT - 211+35 LT	Curb Ramps	33	0	11	22	0	0	0	22
2	220+00 LT - 220+95 LT	Curb Ramps	19	0	6	13	0	0	0	13
2	799+55.13 - 817+04.77	USH 14	3841	0	0	3841	909	1137	0	2704
2	826+16 - 844+11	USH 14	886	0	143	743	76	95	0	648
2	873+38.55 - 880+23.64	USH 14	642	0	0	642	488	609	0	32
2	198+50.25 - 202+00	CTH E	1210	57	190	1020	133	166	74	927
2	203+88.30 - 204+84.25	Robinson Ln	344	0	0	344	41	51	0	294
2	260+75.22 - 261+44.32	CTH F	197	0	0	197	59	74	0	123
	TOTALS		**17171**	**124**					**161**	

1) Excavation Common is the total of Cut and EBS Excavation.
2) Cut includes Unusable Pavement Material, which includes Concrete.
3) EBS Excavation (CY) to be backfilled with Select Borrow. EBS Excavation volume assumed as percentage of cut under new proposed pavement beyond limits of existing pavement; 10% under Tolles Rd and 25% under CTH H, CTH E & CTH F
4) Available Material = Cut - Unusable Pavement Material
5) Expanded Fill Factor = 1.25; Expanded Fill = Unexpanded Fill * Fill Factor
6) Mass Ordinate + or - Qty calculated for the project. Plus quantity is an excess of material, and minus is a shortage of material.
7) All quantities shown in CY.

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CONCRETE PAVEMENT APPROACH SLABS & CONCRETE SURFACE DRAINS

STA	TO	STA	OFFSET	ALIGN	415.0410 CONCRETE PAVEMENT APPROACH SLAB SY	416.1010 CONCRETE SURFACE DRAINS (FLUME) CY
829+72	-	829+87	-	-	52	2
833+84	-	834+01	-	-	54	2
TOTALS					**106**	**4**

ENTRANCES

LOCATION	LT/RT	ALIGN	GRAVEL** ENTRANCES	PAVED** ENTRANCES	305.0110* BASE AGGREGATE DENSE 3/4-INCH TON	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	624.0100* WATER MGAL
CTH M TO CTH H	-	-	55	9	194	110	166	3.0
CTH H TO ROCK RIVER	-	-	21	22	74	110	166	1.8
ROCK RIVER TO USH 51	-	-	4	5	15	24	36	0.4
479+25	RT	-	-	-	58	113	4	1.7
629+50	LT	-	-	-	13	5	3	0.2
631+25	LT	-	-	-	13	4	2	0.2
643+50	LT	-	-	-	-	4	8	0.0
52+50	RT	TR	-	-	33	2	1	0.4
53+45	LT	TR	-	-	47	2	1	0.5
128+75	RT	H	-	-	5	21	11	0.4
200+70	RT	E	-	-	15	5	3	0.3
TOTALS					**467**	**400**	**401**	**9**

***ADDITIONAL QUANTITIES LISTED ELSEWHERE**

**** NON-BID ITEM: FOR INFORMATION ONLY**

RUMBLE STRIPS

STA	TO	STA	LOCATION	SPV.0090.01 ASPHALTIC CENTERLINE RUMBLE STRIP SINUSOIDAL 2-LANE RURAL LF	SPV.0090.02 ASPHALTIC SHOULDER RUMBLE STRIP SINUSOIDAL 2-LANE RURAL LF
212+75	-	632+44	CTH M TO CTH H	36536	71446
640+46	-	829+47	CTH H TO ROCK RIVER	13921	27956
834+26	-	897+52	ROCK RIVER TO USH 51	3155	8410
TOTALS				**53612**	**107812**

ASPHALTIC SURFACE SAFETY ISLANDS

LOCATION	465.0305 ASPHALTIC SURFACE SAFETY ISLANDS TON
637+67, LT	7
638+36, RT	6
810+57, RT	5
TOTAL	**18**

ASPHALTIC FLUMES

STA	OFFSET	ALIGN	465.0315 ASPHALTIC FLUMES SY
308+31	LT	-	5
309+51	LT	-	9
129+43	LT	H	20
130+70	RT	H	20
131+00	LT	H	20
202+00	RT	E	20
202+15	LT	E	20
837+07	LT	-	9
260+70	LT	F	9
260+90	RT	F	9
TOTAL			**141**

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HMA PAVEMENT

STA	TO	STA	SIDE	ALIGN	LOCATION	LAYER	*455.0605 TACK COAT GAL	460.6224 HMA PAVEMENT 4 MT 58-28 S TON
209+80	-	215+90	RT	USH 14	USH 14 EB THRU LANE	1 LOWER LAYER - MILLED AREA	57	80
209+80	-	215+90	LT	USH 14	USH 14 WB THRU LANE	1 LOWER LAYER - MILLED AREA	57	80
209+80	-	215+90	RT	USH 14	USH 14 EB THRU LANE	1 UPPER LAYER	41	80
209+80	-	215+90	LT	USH 14	USH 14 WB THRU LANE	1 UPPER LAYER	41	80
209+80	-	215+90	RT	USH 14	USH 14 EB LT TURN LANE	1 LOWER LAYER - MILLED AREA	45	63
209+80	-	215+90	LT	USH 14	USH 14 WB LT TURN LANE	1 LOWER LAYER - MILLED AREA	46	64
209+80	-	215+90	RT	USH 14	USH 14 EB LT TURN LANE	1 UPPER LAYER	32	63
209+80	-	215+90	LT	USH 14	USH 14 WB LT TURN LANE	1 UPPER LAYER	33	64
209+80	-	215+90	RT	USH 14	USH 14 EB PAVED SHOULDER	1 LOWER LAYER - MILLED AREA	2	2
209+80	-	215+90	LT	USH 14	USH 14 WB PAVED SHOULDER	1 LOWER LAYER - MILLED AREA	1	2
209+80	-	215+90	RT	USH 14	USH 14 EB PAVED SHOULDER	1 UPPER LAYER	1	2
209+80	-	215+90	LT	USH 14	USH 14 WB PAVED SHOULDER	1 UPPER LAYER	1	2
210+10	-	211+20	RT	USH 14	CTH M SOUTH	1 LOWER LAYER - MILLED AREA	46	64
210+10	-	211+20	RT	USH 14	CTH M SOUTH	1 UPPER LAYER	33	64
210+10	-	211+20	LT	USH 14	CTH M NORTH	1 LOWER LAYER - MILLED AREA	47	66
210+10	-	211+20	LT	USH 14	CTH M NORTH	1 UPPER LAYER	34	66
210+10	-	211+20	LT/RT	USH 14	CTH M CURB AREAS	2 LOWER LAYERS-NON MILLED AREA	1	1
210+10	-	211+20	LT/RT	USH 14	CTH M CURB AREAS	1 UPPER LAYER	1	1
215+90	-	628+66	LT/RT	USH 14	USH 14 THRU LANES	1 LOWER LAYER - MILLED AREA	7705	10,787
215+90	-	628+66	RT	USH 14	USH 14 EB PAVED SHOULDER	1 LOWER LAYER - MILLED AREA	963	1,348
215+90	-	628+66	RT	USH 14	USH 14 EB PAVED SHOULDER	1 LOWER LAYER-NON MILLED AREA	7	14
215+90	-	628+66	LT	USH 14	USH 14 WB PAVED SHOULDER	1 LOWER LAYER - MILLED AREA	962	1,347
311+10	-	311+30	LT/RT	USH 14	CULVERT PATCH	2 LOWER LAYERS-NON MILLED AREA	3	5
215+90	-	628+66	LT/RT	USH 14	USH 14 THRU LANES	1 UPPER LAYER	5503	10,787
215+90	-	628+66	RT	USH 14	USH 14 EB PAVED SHOULDER	1 UPPER LAYER	688	1,348
215+90	-	628+66	LT	USH 14	USH 14 WB PAVED SHOULDER	1 UPPER LAYER	687	1,347
311+10	-	311+30	LT/RT	USH 14	CULVERT PATCH	1 UPPER LAYER	3	5
220+20	-	220+80	LT	USH 14	JOHN LINDERMANN DR	1 LAYER-MILLED AREA	43	60
220+20	-	220+80	LT	USH 14	JOHN LINDERMANN DR CURB AREAS	2 LOWER LAYERS-NON MILLED AREA	1	1
220+20	-	220+80	LT	USH 14	JOHN LINDERMANN DR CURB AREAS	1 UPPER LAYER	1	1
252+20	-	253+00	LT/RT	USH 14	N WEARY RD	1 LAYER-MILLED AREA	97	136
266+30	-	266+80	LT	USH 14	N TERRITORIAL RD	1 LAYER-MILLED AREA	21	29
364+50	-	364+80	LT	USH 14	N WILDER RD	1 LAYER-MILLED AREA	14	20
364+50	-	364+80	RT	USH 14	N TUTTLE RD	1 LAYER-MILLED AREA	20	28
391+90	-	392+30	LT	USH 14	N RILEY RD	1 LAYER-MILLED AREA	33	46
412+20	-	412+50	LT	USH 14	N CURTIS DR	1 LAYER-MILLED AREA	28	39
422+00	-	422+30	RT	USH 14	N FELLOWS RD	1 LAYER-MILLED AREA	26	36
467+50	-	467+70	LT	USH 14	N CASSIDY RD	1 LAYER-MILLED AREA	18	25
513+50	-	513+80	LT	USH 14	N EAGLE RD	1 LAYER-MILLED AREA	19	26
514+60	-	515+00	RT	USH 14	N ROHERTY RD	1 LAYER-MILLED AREA	25	35
576+50	-	576+80	LT	USH 14	N FOX RD	1 LAYER-MILLED AREA	15	20

CONTINUED IN NEXT COLUMN

*ADDITIONAL QUANTITIES LISTED ELSWHERE

HMA PAVEMENT CONTINUED

STA	TO	STA	SIDE	ALIGN	LOCATION	LAYER	*455.0605 TACK COAT GAL	460.6224 HMA PAVEMENT 4 MT 58-28 S TON
628+66	-	647+66	RT	USH 14	USH 14 EB THRU LANE	1 LOWER LAYER - MILLED AREA	178	249
628+66	-	647+66	LT	USH 14	USH 14 WB THRU LANE	1 LOWER LAYER - MILLED AREA	52	73
628+66	-	647+66	LT	USH 14	USH 14 WB THRU LANE	2 LOWER LAYERS - WIDENED AREA	89	178
628+66	-	647+66	LT	USH 14	FLUSH MEDIAN & LEFT TURN LANES	1 LOWER LAYER - MILLED AREA	125	175
628+66	-	647+66	RT	USH 14	USH 14 EB PAVED SHOULDER	1 LOWER LAYER - MILLED AREA	27	38
628+66	-	647+66	LT	USH 14	USH 14 WB PAVED SHOULDER	2 LOWER LAYERS - WIDENED AREA	20	39
628+66	-	647+66	RT	USH 14	USH 14 EB THRU LANE	1 UPPER LAYER	127	249
628+66	-	647+66	LT	USH 14	USH 14 WB THRU LANE	1 UPPER LAYER	126	247
628+66	-	647+66	LT	USH 14	FLUSH MEDIAN & LEFT TURN LANES	1 UPPER LAYER	89	175
628+66	-	647+66	RT	USH 14	USH 14 EB PAVED SHOULDER	1 UPPER LAYER	19	38
628+66	-	647+66	LT	USH 14	USH 14 WB PAVED SHOULDER	1 UPPER LAYER	20	40
647+66	-	799+55	LT/RT	USH 14	USH 14 THRU LANES	1 LOWER LAYER - MILLED AREA	2835	3,969
647+66	-	799+55	RT	USH 14	USH 14 EB PAVED SHOULDER	1 LOWER LAYER - MILLED AREA	354	496
647+66	-	799+55	LT	USH 14	USH 14 WB PAVED SHOULDER	1 LOWER LAYER - MILLED AREA	354	496
647+66	-	799+55	LT	USH 14	USH 14 WB BYPASS LANE	1 LOWER LAYER - MILLED AREA	52	72
647+66	-	799+55	LT/RT	USH 14	USH 14 THRU LANES	1 UPPER LAYER	2025	3,969
647+66	-	799+55	RT	USH 14	USH 14 EB PAVED SHOULDER	1 UPPER LAYER	253	496
647+66	-	799+55	LT	USH 14	USH 14 WB PAVED SHOULDER	1 UPPER LAYER	253	496
647+66	-	799+55	LT	USH 14	USH 14 WB BYPASS LANE	1 UPPER LAYER	37	72
662+90	-	663+30	RT	USH 14	N POLZIN RD	1 LAYER-MILLED AREA	16	22
689+30	-	689+60	LT	USH 14	N CONNER RD	1 LAYER-MILLED AREA	12	17
708+60	-	709+00	RT	USH 14	N HARVEST VIEW DR	1 LAYER-MILLED AREA	53	74
725+90	-	726+10	LT	USH 14	N FITZSIMMONS RD	1 LAYER-MILLED AREA	12	16
742+60	-	742+80	RT	USH 14	N BURDICK RD	1 LAYER-MILLED AREA	12	17
773+70	-	773+90	LT	USH 14	N RIVERS EDGE DR	1 LAYER-MILLED AREA	20	28
799+55	-	817+05	RT	USH 14	USH 14 EB THRU LANE	1 LOWER LAYER - MILLED AREA	126	176
799+55	-	817+05	RT	USH 14	USH 14 EB THRU LANE	2 LOWER LAYERS - WIDENED AREA	32	58
799+55	-	817+05	LT	USH 14	USH 14 WB THRU LANE	1 LOWER LAYER - MILLED AREA	125	174
799+55	-	817+05	LT	USH 14	USH 14 WB THRU LANE	2 LOWER LAYERS - WIDENED AREA	27	52
799+55	-	817+05	LT/RT	USH 14	FLUSH MEDIAN & LEFT TURN LANES	1 LOWER LAYER - MILLED AREA	76	107
799+55	-	817+05	RT	USH 14	USH 14 EB PAVED SHOULDER	2 LOWER LAYERS - WIDENED AREA	14	23
799+55	-	817+05	LT	USH 14	USH 14 WB PAVED SHOULDER	1 LOWER LAYER - MILLED AREA	14	20
799+55	-	817+05	LT	USH 14	USH 14 WB PAVED SHOULDER	2 LOWER LAYERS - WIDENED AREA	32	55
799+55	-	817+05	RT	USH 14	USH 14 EB THRU LANE	1 UPPER LAYER	122	239
799+55	-	817+05	LT	USH 14	USH 14 WB THRU LANE	1 UPPER LAYER	116	227
799+55	-	817+05	LT/RT	USH 14	FLUSH MEDIAN & LEFT TURN LANES	1 UPPER LAYER	54	107
799+55	-	817+05	RT	USH 14	USH 14 EB PAVED SHOULDER	1 UPPER LAYER	14	28
799+55	-	817+05	LT	USH 14	USH 14 WB PAVED SHOULDER	1 UPPER LAYER	43	83

CONTINUED ON NEXT PAGE

*ADDITIONAL QUANTITIES LISTED ELSWHERE

HMA PAVEMENT CONTINUED

STA	TO	STA	SIDE	ALIGN	LOCATION	LAYER	*455.0605 TACK COAT GAL	460.6224 HMA PAVEMENT 4 MT 58-28 S TON
817+05	-	829+85	LT/RT	USH 14	USH 14 THRU LANES	1 LOWER LAYER - MILLED AREA	231	324
817+05	-	829+85	RT	USH 14	USH 14 EB PAVED SHOULDER	1 LOWER LAYER-NON MILLED AREA	0	46
817+05	-	829+85	LT	USH 14	USH 14 WB PAVED SHOULDER	1 LOWER LAYER-NON MILLED AREA	0	45
829+45	-	829+72	LT/RT	USH 14	APPROACH TRANSITION	2 LOWER LAYERS-NON MILLED AREA	6	22
817+05	-	829+85	LT/RT	USH 14	USH 14 THRU LANES	1 UPPER LAYER	169	331
817+05	-	829+85	RT	USH 14	USH 14 EB PAVED SHOULDER	1 UPPER LAYER	23	46
817+05	-	829+85	LT	USH 14	USH 14 WB PAVED SHOULDER	1 UPPER LAYER	23	45
829+45	-	829+72	LT/RT	USH 14	APPROACH TRANSITION	1 UPPER LAYER	6	11
817+80	-	818+20	LT/RT	USH 14	N HACKBARTH RD	1 LAYER-MILLED AREA	109	152
828+40	-	828+60	RT	USH 14	W RIVER DR	1 LAYER-MILLED AREA	21	29
833+85	-	847+85	RT	USH 14	USH 14 EB THRU LANE	1 LOWER LAYER - MILLED AREA	125	175
833+85	-	847+85	LT	USH 14	USH 14 WB THRU LANE	1 LOWER LAYER - MILLED AREA	126	177
833+85	-	847+85	RT	USH 14	USH 14 EB TRUCK CLIMBING	1 LOWER LAYER - MILLED AREA	7	10
833+85	-	847+85	RT	USH 14	USH 14 EB PAVED SHOULDER	1 LOWER LAYER-NON MILLED AREA	0	14
833+85	-	847+85	RT	USH 14	USH 14 EB PAVED SHOULDER	1 LOWER LAYER - MILLED AREA	21	29
833+85	-	847+85	LT	USH 14	USH 14 WB PAVED SHOULDER	1 LOWER LAYER-NON MILLED AREA	0	11
833+85	-	847+85	LT	USH 14	USH 14 WB PAVED SHOULDER	1 LOWER LAYER - MILLED AREA	9	13
833+85	-	847+85	LT	USH 14	FLUSH MEDIAN & LEFT TURN LANES	1 LOWER LAYER - MILLED AREA	107	149
834+00	-	834+30	LT/RT	USH 14	APPROACH TRANSITION	2 LOWER LAYERS-NON MILLED AREA	2	7
833+85	-	847+85	RT	USH 14	USH 14 EB THRU LANE	1 UPPER LAYER	89	175
833+85	-	847+85	LT	USH 14	USH 14 WB THRU LANE	1 UPPER LAYER	90	177
833+85	-	847+85	RT	USH 14	USH 14 EB TRUCK CLIMBING	1 UPPER LAYER	5	10
833+85	-	847+85	RT	USH 14	USH 14 EB PAVED SHOULDER	1 UPPER LAYER	22	43
833+85	-	847+85	LT	USH 14	USH 14 WB PAVED SHOULDER	1 UPPER LAYER	12	24
833+85	-	847+85	LT	USH 14	FLUSH MEDIAN & LEFT TURN LANES	1 UPPER LAYER	76	149
834+00	-	834+30	LT/RT	USH 14	APPROACH TRANSITION	1 UPPER LAYER	2	4
837+60	-	838+00	LT	USH 14	N RIVER RD	1 LOWER LAYER-NON MILLED AREA	0	32
837+60	-	838+00	LT	USH 14	N RIVER RD	1 LOWER LAYER - MILLED AREA	46	64
837+60	-	838+00	LT	USH 14	N RIVER RD	1 LAYER-MILLED AREA	3	4
837+60	-	838+00	LT	USH 14	N RIVER RD	1 UPPER LAYER	49	96
843+70	-	844+00	RT	USH 14	SPRING HILL DR	1 LOWER LAYER-NON MILLED AREA	5	9
843+70	-	844+00	RT	USH 14	SPRING HILL DR	1 LAYER-MILLED AREA	18	25
843+70	-	844+00	RT	USH 14	SPRING HILL DR	1 UPPER LAYER	5	9
847+85	-	868+78	RT	USH 14	USH 14 EB THRU LANE	1 LOWER LAYER - MILLED AREA	192	269
847+85	-	868+78	LT	USH 14	USH 14 WB THRU LANE	1 LOWER LAYER - MILLED AREA	195	273
847+85	-	868+78	RT	USH 14	USH 14 EB PAVED SHOULDER	1 LOWER LAYER - MILLED AREA	46	64
847+85	-	868+78	LT	USH 14	USH 14 WB PAVED SHOULDER	1 LOWER LAYER - MILLED AREA	49	68
847+85	-	868+78	RT	USH 14	USH 14 EB TRUCK CLIMBING	1 LOWER LAYER - MILLED AREA	182	254
847+85	-	868+78	RT	USH 14	USH 14 EB THRU LANE	1 UPPER LAYER	137	269
847+85	-	868+78	LT	USH 14	USH 14 WB THRU LANE	1 UPPER LAYER	139	273
847+85	-	868+78	RT	USH 14	USH 14 EB PAVED SHOULDER	1 UPPER LAYER	33	64
847+85	-	868+78	LT	USH 14	USH 14 WB PAVED SHOULDER	1 UPPER LAYER	35	68
847+85	-	868+78	RT	USH 14	USH 14 EB TRUCK CLIMBING	1 UPPER LAYER	130	254
861+20	-	861+60	LT	USH 14	N EDGEWOOD DR	1 LAYER-MILLED AREA	52	73
861+20	-	861+50	RT	USH 14	W EDGEWOOD DR	1 LOWER LAYER-NON MILLED AREA	5	10
861+20	-	861+50	RT	USH 14	W EDGEWOOD DR	1 LAYER-MILLED AREA	19	27
861+20	-	861+50	RT	USH 14	W EDGEWOOD DR	1 UPPER LAYER	5	10

CONTINUED IN NEXT COLUMN

*ADDITIONAL QUANTITIES LISTED ELSWHERE

HMA PAVEMENT CONTINUED

STA	TO	STA	SIDE	ALIGN	LOCATION	LAYER	*455.0605 TACK COAT GAL	460.6224 HMA PAVEMENT 4 MT 58-28 S TON
868+78	-	889+80	RT	USH 14	USH 14 EB THRU LANE	1 LOWER LAYER - MILLED AREA	203	284
868+78	-	889+80	LT	USH 14	USH 14 WB THRU LANE	1 LOWER LAYER - MILLED AREA	204	285
868+78	-	889+80	RT	USH 14	USH 14 EB PAVED SHOULDER	1 LOWER LAYER - MILLED AREA	49	69
868+78	-	889+80	LT	USH 14	USH 14 WB PAVED SHOULDER	1 LOWER LAYER - MILLED AREA	33	46
868+78	-	889+80	RT	USH 14	USH 14 EB THRU LANE	1 UPPER LAYER	145	284
868+78	-	889+80	LT	USH 14	USH 14 WB THRU LANE	1 UPPER LAYER	145	285
868+78	-	889+80	RT	USH 14	USH 14 EB PAVED SHOULDER	1 UPPER LAYER	35	69
868+78	-	889+80	LT	USH 14	USH 14 WB PAVED SHOULDER	1 UPPER LAYER	24	46
874+70	-	874+90	RT	USH 14	N CRYSTAL SPRINGS RD	1 LAYER-MILLED AREA	20	28
889+80	-	897+51	RT	USH 14	USH 14 EB THRU LANE	1 LOWER LAYER - MILLED AREA	130	181
889+80	-	897+51	LT	USH 14	USH 14 WB THRU LANE	1 LOWER LAYER - MILLED AREA	122	171
889+80	-	897+51	RT	USH 14	USH 14 EB PAVED SHOULDER	1 LOWER LAYER - MILLED AREA	18	25
889+80	-	897+51	LT	USH 14	USH 14 WB PAVED SHOULDER	1 LOWER LAYER - MILLED AREA	18	25
889+80	-	897+51	LT	USH 14	FLUSH MEDIAN	1 LOWER LAYER - MILLED AREA	21	30
889+80	-	897+51	RT	USH 14	USH 14 EB THRU LANE	1 UPPER LAYER	93	181
889+80	-	897+51	LT	USH 14	USH 14 WB THRU LANE	1 UPPER LAYER	87	171
889+80	-	897+51	RT	USH 14	USH 14 EB PAVED SHOULDER	1 UPPER LAYER	13	25
889+80	-	897+51	LT	USH 14	USH 14 WB PAVED SHOULDER	1 UPPER LAYER	13	25
889+80	-	897+51	LT	USH 14	FLUSH MEDIAN	1 UPPER LAYER	15	30
50+12	-	50+80	LT/RT	'TR' LINE	TOLLES RD	2 LOWER LAYERS-NON MILLED AREA	51	197
50+80	-	56+75	LT/RT	'TR' LINE	TOLLES RD	1 LOWER LAYER-NON MILLED AREA	100	196
50+12	-	50+80	LT/RT	'TR' LINE	TOLLES RD	1 UPPER LAYER	150	294
130+25	-	133+00	LT/RT	'H' LINE	CTH H NORTH	2 LOWER LAYERS-NON MILLED AREA	112	439
130+25	-	133+00	LT/RT	'H' LINE	CTH H NORTH	1 UPPER LAYER	112	219
127+00		127+88	LT/RT	'H' LINE	CTH H SOUTH	2 LOWER LAYERS-NON MILLED AREA	115	448
127+00		127+88	LT/RT	'H' LINE	CTH H SOUTH	1 UPPER LAYER	115	224
198+50	-	202+81	LT/RT	'E' LINE	CTH E	2 LOWER LAYERS-NON MILLED AREA	209	818
198+50	-	202+81	LT/RT	'E' LINE	CTH E	1 UPPER LAYER	209	409
203+23	-	203+81	LT/RT	'RBN' LINE	ROBINSON LN	2 LOWER LAYERS-NON MILLED AREA	18	68
203+81	-	204+84	LT/RT	'RBN' LINE	ROBINSON LN	1 LOWER LAYER-NON MILLED AREA	15	28
203+23	-	204+84	LT/RT	'RBN' LINE	ROBINSON LN	1 UPPER LAYER	32	62
260+12	-	260+84	LT/RT	'F' LINE	CTH F	2 LOWER LAYERS-NON MILLED AREA	64	250
260+84	-	261+44	LT/RT	'F' LINE	CTH F	1 LOWER LAYER-NON MILLED AREA	11	26
260+12	-	261+44	LT/RT	'F' LINE	CTH F	1 UPPER LAYER	75	145
						TOTALS	**30758**	**51939**

*ADDITIONAL QUANTITIES LISTED ELSWHERE

PWL MIXTURE USE TABLE, BID ITEM HMA PAVEMENT 4 MT 58-28 S

Location	Station	-	Station	Mixture Use	Underlying Surface	Bid Items	Tons	Thickness	Mixture Acceptance	Density Acceptance
USH 14 THRU LANES	209+80	-	897+51	1 LOWER LAYER - MILLED AREA	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	17727	1.75	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
USH 14 THRU LANES	628+66	-	647+66	1 LOWER LAYER OVER WIDENING	ASPHALTIC SURFACE	4 MT 58-28 S	289	1.5	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department, not Eligible for Incentive
USH 14 THRU LANES	209+80	-	215+90	1 UPPER LAYER	HMA 4 MT 58-28 S	4 MT 58-28 S	18024	1.75	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
USH 14 PAVED SHOULDERS	209+80	-	215+90	1 LOWER LAYER - MILLED AREA	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	4102	1.75	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department, not Eligible for Incentive
USH WB PAVED SHOULDERS	628+66	-	647+66	1 LOWER LAYER OVER WIDENING	ASPHALTIC SURFACE	4 MT 58-28 S	130	1.75	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department, not Eligible for Incentive
USH 14 PAVED SHOULDERS	817+05	-	829+85	1 LOWER LAYER- NON MILLED AREA	BASE AGGREGATE DENSE	4 MT 58-28 S	116	1.75	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department, not Eligible for Incentive
USH 14 PAVED SHOULDERS	209+80	-	215+90	1 UPPER LAYER	HMA 4 MT 58-28 S	4 MT 58-28 S	4335	1.75	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department, not Eligible for Incentive
TURN LANES, BYPASS LANES, TRUCK CLIMBING LANES	628+66	-	897+51	1 LOWER LAYER - MILLED AREA	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	924	1.75	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department, not Eligible for Incentive
TURN LANES, BYPASS LANES, TRUCK CLIMBING LANES	628+66	-	897+51	1 UPPER LAYER	HMA 4 MT 58-28 S	4 MT 58-28 S	921	1.75	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department, not Eligible for Incentive
SIDEROADS	210+10	-	897+51	1 LOWER LAYER - MILLED AREA	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	1206	1.75	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department, not Eligible for Incentive
SIDEROADS	837+60	-	897+51	1 LOWER LAYER- NON MILLED AREA	BASE AGGREGATE DENSE	4 MT 58-28 S	1410	1.75	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department, not Eligible for Incentive
SIDEROADS	210+10	-	897+51	MIDDLE LAYER	HMA 4 MT 58-28 S	4 MT 58-28 S	1110	1.75	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department, not Eligible for Incentive
SIDEROADS	210+10	-	897+51	1 UPPER LAYER	HMA 4 MT 58-28 S	4 MT 58-28 S	1598	1.75	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department, not Eligible for Incentive
BUTT JOINT	829+45	-	834+20	2 LOWER LAYERS- NON MILLED AREA	BASE AGGREGATE DENSE / HMA 4 MT 58-28 S	4 MT 58-28 S	29	1.75	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department, not Eligible for Incentive
BUTT JOINT	829+45	-	834+30	1 UPPER LAYER	HMA 4 MT 58-28 S	4 MT 58-28 S	15	1.75	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
VARIOUS	210+10		817+05	PATCHES & MISC. WIDENING	BASE AGGREGATE DENSE	4 MT 58-28 S	440	UP TO 3.5"	QMP AS PER SS 465	ACCEPTANCE BY ORDINARY COMPACTION

460 - PWL ITEMS

LOCATION	460.0105.S HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP VOLUMETRICS EACH	460.0110.S HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP DENSITY EACH
PROJECT	1	2

CONCRETE CURB & GUTTER AND CONCRETE SIDEWALK

LOCATION	305.0120* BASE AGGREGATE DENSE 1 1/4 -INCH (FOR SIDEWALK) TON	601.0120 CONCRETE CURB TYPE J LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD SF
CTH M	17	-	46	-	686	30
JOHN LINDEMANN DR	9	-	24	-	385	20
TOLLES RD	-	-	-	157	-	-
CTH H	-	200	-	434	-	-
CTH E	-	98	-	131	-	-
N RIVER RD	-	-	-	64	-	-
CTH F	-	-	-	151	-	-
TOTALS	**26**	**298**	**70**	**937**	**1071**	**50**

***ADDITIONAL QUANTITIES LISTED ELSEWHERE**

3

CULVERT PIPES

STA	OFFSET	ALIGN	LOCATION	520.3318 CULVERT PIPE CLASS III-A 18-INCH LF	522.0118 CULVERT PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	521.3118 CULVERT PIPE CORRUGATED STEEL 18-INCH LF	521.3124 CULVERT PIPE CORRUGATED STEEL 24-INCH LF	522.0124 CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	522.0130 CULVERT PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH EACH	521.1518 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 18-INCH 6 TO 1 EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	521.1018 APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH EACH	521.1024 APRON ENDWALLS FOR CULVERT PIPE STEEL 24-INCH EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	520.8000 CONCRETE COLLARS FOR PIPE EACH	520.8700 CLEANING CULVERT PIPES EACH	633.5200 MARKERS CULVERT END EACH	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH
311+20	-	-	USH 14	-	-	-	-	-	64	-	-	-	-	-	-	2	-	-	2	1
421+31	LT	-	USH 14	-	-	-	-	-	4	-	-	-	-	-	-	1	1	1	1	1
421+31	RT	-	USH 14	-	-	-	-	-	6	-	-	-	-	-	-	1	1	-	1	1
633+92	LT	-	USH 14	-	-	-	-	12	-	-	-	-	-	-	1	-	1	1	1	1
633+92	RT	-	USH 14	-	-	-	-	6	-	-	-	-	-	-	1	-	1	-	1	1
813+78	LT	-	USH 14	-	-	-	-	6	-	-	-	-	-	-	1	-	1	1	1	1
813+78	RT	-	USH 14	-	-	-	-	6	-	-	-	-	-	-	1	-	1	-	1	1
51+50	-	TR	TOLLES RD	-	-	-	50	-	-	-	-	-	-	2	-	-	-	-	2	1
52+50	RT	TR	TOLLES RD	40	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	1
53+45	LT	TR	TOLLES RD	36	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	1
479+56	RT	-	USH 14	42	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	1
631+25	LT	-	USH 14	24	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	1
127+45 - 129+00	RT	H	CTH H	-	-	168	-	-	-	-	-	-	2	-	-	-	-	-	-	2
129+40	-	H	CTH H	-	-	-	-	94	-	-	-	-	-	-	2	-	-	-	2	1
130+90	-	H	CTH H	-	80	-	-	-	-	-	-	2	-	-	-	-	-	-	2	1
643+48	LT	-	USH 14	28	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	1
203+95	-	RBN	N ROBINSON LN	-	-	-	50	-	-	-	-	-	-	2	-	-	-	-	2	1
261+00	-	F	CTH F	-	50	-	-	-	-	-	-	2	-	-	-	-	-	-	2	1
TOTALS				**170**	**130**	**168**	**100**	**124**	**74**	**6**	**4**	**4**	**2**	**4**	**6**	**4**	**6**	**3**	**18**	**19**

3

STORM SEWER

STA	OFFSET	ALIGN	LOCATION	611.0636 INLET COVERS TYPE HM-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.3004 INLETS 4-FT DIAMETER MEDIAN EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
127+45 - 129+00	RT	H	CTH H	1	1	1	1	2
TOTALS				**1**	**1**	**1**	**1**	**2**

3

GUARDRAIL

STA	TO	STA	OFFSET	614.2300 MGS GUARDRAIL 3 K LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH
479+62	-	483+30	RT	262.5	-	2
826+34	-	829+87	LT	262.5	39	1
828+97	-	829+87	RT	-	39	1
833+84	-	837+61	RT	287.5	39	1
833+84	-	836+98	LT	225.0	39	1
838+50	-	843+93	LT	437.5	-	2
TOTALS				**1475**	**157**	**8**

LANDMARK REFERENCE MONUMENTS

STATION	OFFSET	DESCRIPTION	SPV.0060.01 LANDMARK REFERENCE MONUMENTS SPECIAL EACH	SPV.0060.02 VERIFY LANDMARK REFERENCE MONUMENTS EACH
638+24	75' RT	NE Corner Section 13, T3N, R11E	1	4
662+77	2' RT	N 1/4 Corner Section 18, T3N, R12E	1	4
689+46	6' LT	NE Corner Section 18, T3N, R12E	1	4
716+23	1' LT	N 1/4 Corner Section 17, T3N, R12E	1	4
743+03	6' LT	NE Corner Section 17, T3N, R12E	1	4
769+36	2' RT	N 1/4 Corner Section 16, T3N, R12E	1	4
795+77	2' LT	NE Corner Section 16, T3N, R12E	1	4
822+27	1' RT	N 1/4 Corner Section 15, T3N, R12E	1	4
848+34	2' LT	NE Corner Section 15, T3N, R12E	1	4
874+95	12' RT	N 1/4 Corner Section 14, T3N, R12E	1	4
TOTALS			**10**	**40**

3

DUST CONTROL

LOCATION	623.0200 DUST CONTROL SURFACE TREATMENT SY
TOLLES RD INTERSECTION	3956
CTH H INTERSECTION	6445
CTH E/N ROBINSON RD INTERSECTION	7592
HACKBARTH RD TO ROCK RIVER	1150
ROCK RIVER TO SPRING HILL DR	509
CTH F INTERSECTION	1438
TOTAL	**21090**

EROSION CONTROL MOBILIZATION

LOCATION	628.1905 MOBILIZATION EROSION CONTROL EACH	628.1910 EMERGENCY MOBILIZATION EROSION CONTROL EACH
CTH H	1	1
CTH E	1	1
STA 830+00 USH 14	1	1
STA 838+00 USH 14	1	1
STA 875+00 USH 14	1	1
TOTALS	**5**	**5**

MISCELLANEOUS ITEMS

	213.0100 FINISHING ROADWAY EACH	618.0100 MAINTENANCE AND REPAIR OF HAUL ROADS EACH	619.1000 MOBILIZATION EACH	642.5201 FIELD OFFICE TYPE C EACH
	1	1	1	1
TOTALS	**1**	**1**	**1**	1

3

EROSION CONTROL

STA	TO	STA	OFFSET	ALIGN	606.0200 RIPRAP MEDIUM CY	628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENACE LF	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	645.0130 GEOTEXTILE TYPE R SY
210+00	-	211+50	LT	USH 14	--	--	--	--	--	3	--	--	--	--
219+75	-	221+25	LT	USH 14	--	--	--	--	--	2	--	--	--	--
308+75	-	312+75	LT	USH 14	--	--	--	--	--	--	--	15	5	--
311+00	-	311+75	RT	USH 14	--	--	75	150	--	--	--	--	--	--
50+25	-	56+75	LT	TR	--	--	176	352	--	--	--	--	5	--
50+25	-	56+75	RT	TR	--	--	210	420	--	--	--	15	2	--
421+00	-	421+75	LT	USH 14	--	--	--	--	--	--	--	--	5	--
421+00	-	421+75	RT	USH 14	--	--	85	170	--	--	--	--	--	--
10+00	-	12+00	RT	PE	--	--	230	460	--	--	--	--	--	--
479+25	-	483+50	RT	USH 14	--	--	337	674	--	--	--	--	2	--
628+50	-	638+00	LT	USH 14	--	--	495	990	--	--	--	15	2	--
632+25	-	638+00	RT	USH 14	--	--	120	240	--	--	--	15	3	--
131+10	-	133+00	LT	H	--	--	--	--	--	--	--	15	--	--
130+78	-	133+00	RT	H	--	--	--	--	--	--	--	--	2	--
127+00	-	129+09	RT	H	--	--	--	--	1	2	1	--	2	--
638+00	-	647+75	LT	USH 14	--	--	265	530	--	--	--	15	4	--
638+00	-	640+00	RT	USH 14	--	--	--	--	--	--	--	--	3	--
805+75	-	810+25	LT	USH 14	--	--	--	--	--	--	--	15	--	--
799+50	-	810+25	RT	USH 14	--	--	--	--	--	--	--	45	--	--
203+80	-	205+00	LT	RBN	--	--	--	--	--	--	--	--	3	--
203+80	-	205+00	RT	RBN	--	7	133	266	--	--	--	--	--	--
198+50	-	202+14	LT	E	--	--	--	--	--	--	--	30	--	--
198+50	-	202+01	RT	E	--	--	--	--	--	--	--	15	--	--
810+25	-	817+25	LT	USH 14	--	--	500	1000	--	--	--	15	--	--
810+25	-	817+25	RT	USH 14	--	--	270	540	--	--	--	15	3	--
825+75	-	830+50	LT	USH 14	42	--	415	830	--	--	--	--	--	106
828+50	-	830+00	RT	USH 14	--	--	123	246	--	--	--	--	--	--
833+25	-	837+75	LT	USH 14	106	--	350	700	--	--	--	--	--	172
833+75	-	837+75	RT	USH 14	1	--	385	770	--	--	--	--	--	6
837+75	-	844+25	LT	USH 14	--	--	600	1200	--	--	--	--	--	--
260+92	-	261+50	LT	F	--	--	--	--	--	--	--	--	2	--
875+00	-	880+25	LT	USH 14	--	--	--	--	--	--	--	27	--	--
UNDISTRIBUTED					30	1	480	950	--	--	--	25	9	57
TOTALS					**179**	**8**	**5249**	**10488**	**1**	**7**	**1**	**277**	**52**	**341**

FINISHING ITEMS

STA	TO	STA	OFFSET	ALIGN	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.2004 EROSION MAT CLASS I TYPE B SY	628.2023 EROSION MAT CLASS II TYPE B SY	628.7560 TRACKING PADS EACH	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL	631.1100 SOD EROSION CONTROL SY
210+00	-	211+50	LT	USH 14	70	34	36	--	1	--	--	1	2	2	--
210+00	-	211+50	RT	USH 14	26	11	15	--	--	--	--	--	1	1	--
219+75	-	221+25	LT	USH 14	82	32	50	--	1	0.1	--	1	2	2	--
306+50	-	308+75	LT	USH 14	496	243	253	--	--	0.3	--	10	15	12	5
308+75	-	312+75	LT	USH 14	1219	580	639	--	1	0.8	40	--	40	33	19
311+00	-	311+75	RT	USH 14	163	103	60	--	--	0.1	5	--	5	4	14
50+25	-	56+75	LT	TR	2780	1966	814	--	--	1.8	21	42	84	70	15
50+25	-	56+75	RT	TR	1714	943	771	--	--	1.1	55	--	55	46	15
421+00	-	421+75	LT	USH 14	143	25	118	--	--	0.1	5	--	5	4	14
421+00	-	421+75	RT	USH 14	93	44	49	--	--	0.1	3	--	3	3	14
10+00	-	12+00	RT	PE	328	294	34	--	--	0.2	--	1	1	1	15
479+25	-	483+50	RT	USH 14	622	263	--	359	1	0.4	--	1	2	2	15
628+50	-	638+00	LT	USH 14	1637	659	978	--	1	1.0	44	7	55	46	24
632+25	-	638+00	RT	USH 14	1886	996	890	--	--	1.2	58	--	58	49	27
131+10	-	133+00	LT	H	180	--	203	--	--	0.1	7	--	7	6	--
130+78	-	133+00	RT	H	196	--	264	--	--	0.1	8	--	8	7	--
127+00	-	129+34	LT	H	239	--	287	--	--	0.2	8	--	8	6	--
127+00	-	129+09	RT	H	368	92	276	--	--	0.2	--	8	11	9	--
127+60	-	129+50	RT	H	415	--	415	--	--	0.3	--	7	11	9	--
638+00	-	647+75	LT	USH 14	1678	310	1368	--	--	1.1	47	8	59	49	8
638+00	-	640+00	RT	USH 14	443	199	244	--	--	0.3	--	1	1	1	16
805+75	-	810+25	LT	USH 14	1027	295	732	--	--	0.6	27	5	34	29	--
799+50	-	810+25	RT	USH 14	2640	909	1731	--	1	1.7	86	--	86	71	5
203+80	-	205+00	LT	RBN	151	69	82	--	--	0.1	--	3	5	4	11
203+80	-	205+00	RT	RBN	167	66	101	--	--	0.1	--	4	6	5	11
198+50	-	202+14	LT	E	1276	608	668	--	--	0.8	--	26	39	32	--
198+50	-	202+01	RT	E	429	--	549	--	--	0.3	--	11	17	14	--
810+25	-	817+25	LT	USH 14	1500	737	763	--	--	0.9	30	13	51	42	11
810+25	-	817+25	RT	USH 14	1078	200	878	--	--	0.7	--	26	39	32	16
825+75	-	830+50	LT	USH 14	178	--	--	372	1	0.1	10	--	10	8	--
828+50	-	830+00	RT	USH 14	24	--	--	98	--	--	2	--	2	1	--
833+25	-	837+75	LT	USH 14	240	--	--	318	1	0.2	9	--	9	8	5
833+75	-	837+75	RT	USH 14	253	--	--	344	--	0.2	10	--	10	9	--
837+75	-	844+25	LT	USH 14	418	--	--	538	--	0.3	16	--	16	14	--
873+25	-	875+00	LT	USH 14	212	--	302	--	--	0.1	8	--	8	7	5
260+92	-	261+50	LT	F	98	13	85	--	--	0.1	--	2	3	3	8
260+92	-	261+50	RT	F	129	34	95	--	--	0.1	4	--	4	4	8
875+00	-	880+25	LT	USH 14	1413	509	904	--	1	0.9	28	12	46	39	5
UNDISTRIBUTED					5200	2050	2930	410	2	3.3	106	38	164	204	60
TOTALS					**31211**	**12284**	**17584**	**2439**	**11**	**20**	**637**	**227**	**982**	**884**	**346**

PERMANENT SIGNING

SIGN NO.	STA	OFFSET	ALIGN	SIGN WORDING & PICTORIALS	SIGN CODE	SIZE (INCH)	X (INCH)	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4X6-INCH X 12 FT EACH	634.0614 POSTS WOOD 4X6-INCH X 14 FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16 FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18 FT EACH	634.0620 POSTS WOOD 4X6-INCH X 20 FT EACH	REMARKS
04-01	632+50	RT	-	LEFT ONLY, AHEAD ONLY, RIGHT ONLY	R3-8W	54	30	11.25	-	-	-	2	-	-	
05-01	129+41	RT	H	DOUBLE DIAGONAL ARROWS	W12-1D	24	24	-	4.00	1	-	-	-	-	
05-02	129+66	RT	H	STOP	R1-1	30	30	5.18	-	-	1	-	-	-	
05-03	130+47	LT	H	STOP	R1-1	30	30	5.18	-	-	1	-	-	-	
05-04	130+74	LT	H	DOUBLE DIAGONAL ARROWS	W12-1D	24	24	-	4.00	1	-	-	-	-	
06-01	644+00	RT	-	LEFT ONLY, AHEAD ONLY, RIGHT ONLY	R3-8W	54	30	11.25	-	-	-	2	-	-	
07-01	800+50	RT	-	CTH E/HOSPITAL & DIRECTIONAL ARROWS	J12-2	48	45	15.00	-	-	-	-	2	-	
08-01	198+75	RT	E	LEFT OR AHEAD, RIGHT ONLY	R3-8	36	30	7.50	-	-	-	1	-	-	
08-02	202+40	RT	E	DOUBLE DIAGONAL ARROWS	W12-1D	24	24	-	4.00	1	-	-	-	-	
08-03	202+60	RT	E	STOP	R1-1	30	30	5.18	-	-	1	-	-	-	
08-04	808+86	LT	-	WEST USH 14	J4-1	36	24	6.00	-	-	1	-	-	-	
08-05	811+30	RT	-	EAST USH 14	W1-4R	45	24	7.50	-	-	1	-	-	-	
08-06	813+50	LT	-	LEFT OR AHEAD, RIGHT ONLY	R3-8	36	30	7.50	-	-	-	1	-	-	
08-07	19x+xx	RT	E	JCT/ END / USH 14 / COUNTY E	J1-2	36	48	12.00	-	-	-	-	1	-	
10-01	826+00	RT	-	ROAD CURVES AHEAD, RIGHT	W1-4R	36	36	-	9.00	-	-	-	-	1	18" X 18" FLAGS INCIDENTAL TO SIGNS
10-02	826+00	RT	-	35 MPH	W13-1	24	24	-	4.00	-	-	-	-	-	MOUNTED BELOW W1-4R SIGN ON SAME POST
10-03	829+85	LT	-	BRIDGE HASH MARKS	W5-52L	12	36	-	3.00	-	-	1	-	-	
11-01	835+90	RT	-	LEFT ONLY, AHEAD ONLY	R3-8E	36	30	7.50	-	-	-	1	-	-	
11-02	847+85	LT	-	LEFT ONLY, AHEAD ONLY	R3-8E	36	30	7.50	-	-	-	1	-	-	
TOTALS								**109**	**28**	**3**	**5**	**9**	**3**	**1**	

CONSTRUCTION STAKING

LOCATION	STA TO STA	ALIGNMENT	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.8500 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS LS	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL LS	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	COMMENTS
USH 14 & CTH M	-	-	-	-	46	-	-	-	3	-	-	
JOHN LINDEMANN DR	-	-	-	-	24	-	-	-	2	-	-	
USH 14 AT TOLLES RD	306+62 - 312+75	-	613	613	-	-	-	-	-	-	613	
TOLLES RD	50+12 - 56+75	TR	663	663	157	-	-	-	-	-	663	
PE AT 479+21, RT	478+72 - 483+48	-	476	476	-	-	-	-	-	-	476	
USH 14 AT CTH H	628+66 - 647+71	-	1905	1905	-	-	-	-	-	-	1905	
CTH H	127+00 - 133+00	H	600	600	634	-	-	-	-	-	634	
USH 14 - CTH E TO N HACKBARTH RD	799+55 - 817+05	-	1750	1750	-	-	-	-	-	-	1750	
CTH E	198+50 - 202+88	E	438	438	229	-	-	-	-	-	438	
N ROBINSON RD	203+12 - 204+84	RBN	172	172	-	-	-	-	-	-	172	
USH 14 - HACKBARTH RD TO ROCK RIVER	819+02 - 829+72	-	1070	1070	-	-	-	-	-	-	1070	
ROCK RIVER BRIDGE APPROACH SLAB (WEST)	-	-	-	-	-	15	-	-	-	-	-	
ROCK RIVER BRIDGE APPROACH SLAB (EAST)	-	-	-	-	-	18	-	-	-	-	-	
USH 14 - ROCK RIVER TO SPRING HILL DR	834+01 - 843+93	-	992	992	64	-	-	-	-	-	992	INCL. N RIVER RD
USH 14 AT CTH F	873+39 - 880+24	-	685	685		-	-	-	-	-	685	
CTH F	260+12 - 261+44	-	132	132	151	-	-	-	-	-	132	
WHOLE PROJECT	209+80 - 897+52	-	-	-	-	-	68375	1	-	1	-	
TOTALS			**9496**	**9496**	**1305**	**33**	**68375**	**1**	**5**	**1**	**9530**	

"CONSTRUCTION STAKING PIPE CULVERTS" INCLUDED ON CULVERT PIPES TABLE

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MOVING & REMOVING SIGNS

SIGN NO.	STA	OFFSET	ALIGN	SIGN WORDING & PICTORIALS	638.2102 MOVING SIGN TYPE II EACH	638.2602 REMOVING SIGN TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	COMMENTS
M-01	217+50	RT	-	NO PASSING ZONE	1	-	-	1	MOVE TO STA 216+50
M-05	220+25	56' LT	-	STOP	1	-	-	1	
M-06	308+17	27' RT	-	NIGHT ARROW	1	-	-	1	
M-02	421+85	LT	-	NIGHT ARROW	1	-	-	1	
M-07	50+77	112' LT	TR	STOP	1	-	-	1	
M-08	51+42	74' LT	TR	WEIGHT LIMIT CLASS B	-	-	-	-	CONTACT TOWN OF PROTER FOR MOVING SIGN
M-09	52+54	63' RT	TR	SPEED LIMIT 45	1	-	-	1	
M-03	625+00	LT	-	NO PASSING ZONE	1	-	-	1	MOVE TO STA 622+25
M-10	634+23	30' LT	-	ADOPT A HIGHWAY	1	-	-	1	
M-11	634+27	28' RT	-	ADOPT A HIGHWAY	1	-	-	1	
M-12	634+81	32' LT	-	WEST USH 14	1	-	-	1	
M-20	637+29	LT	-	ROCK RIVER TRAIL, DIRECTIONAL ARROW	2	-	-	1	
M-13	637+29	LT	-	USH 14, DOUBLE DIRECTIONAL ARROWS	1	-	-	1	
M-14	637+40	37' RT	-	CTH H, DOUBLE DIRECTIONAL ARROWS	1	-	-	1	
M-04	651+00	LT	-	NO PASSING ZONE	1	-	-	1	MOVE TO STA 654+00
R-01	652+29	LT	-	NO PASSING ZONE	-	1	1	-	
M-15	128+03	21' LT	H	SOUTH, CTH H	1	-	-	1	
M-16	129+29	29' RT	H	USH 14, DOUBLE DIRECTIONAL ARROWS	1	-	-	1	
M-17	129+30	26' RT	H	STOP	1	-	-	1	
M-18	130+73	26' LT	H	STOP	1	-	-	1	
M-19	131+33	26' RT	H	NORTH, CTH H	1	-	-	1	
M-21	638+62	LT	-	ROCK RIVER TRAIL, DIRECTIONAL ARROW	2	-	-	1	
M-22	638+62	LT	-	CTH H, DOUBLE DIRECTIONAL ARROWS	1	-	-	1	
M-23	801+00	26' LT	-	NO PASSING ZONE	1	-	-	1	
M-24	804+59	26' LT	-	ADOPT A HIGHWAY	1	-	-	1	
M-25	804+59	28' RT	-	ADOPT A HIGHWAY	1	-	-	1	
M-26	806+75	31' RT	-	CTH E, DIRECTION AND HOSPITAL, DIRECTION	1	-	-	1	J ASSEMBLY
M-27	809+75	RT	-	ROCK RIVER TRAIL, DIRECTIONAL ARROW	2	-	-	1	MOVE TO STA 809+75
R-02	805+00	LT	-	NO PASSING ZONE	-	1	1	-	
M-28	805+00	LT	-	ROCK RIVER TRAIL, DIRECTIONAL ARROW	1	-	-	1	MOVE TO STA 808+90
R-03	809+39	40' LT	-	NIGHT ARROW	-	1	1	-	
M-29	809+62	46' LT	-	STOP	1	-	-	1	
M-34	811+36	RT	-	EAST USH 14	1	-	-	1	
M-32	810+79	LT	-	EAST USH 14	1	-	-	1	
M-33	199+21	29' LT	E	CTH E	1	-	-	1	
R-04	201+97	47' LT	E	KEEP RIGHT	-	1	1	-	SHARES POST WITH YIELD
R-05	201+97	47' LT	E	YIELD	-	1	-	-	SHARES POST WITH KEEP RIGHT
R-06	202+09	68' LT	E	DO NOT ENTER	-	1	1	-	
M-31	202+51	9' LT	E	ROCK RIVER TRAIL, DIRECTIONAL ARROW	2	-	-	1	
R-07	202+51	7' LT	E	USH 14, DOUBLE DIRECTIONAL ARROWS AND END CTH E	-	1	1	-	J ASSEMBLY
M-30	202+57	20' LT	E	STOP	1	-	-	1	
M-35	828+00	18' LT	-	NO PASSING ZONE	1	-	-	1	
M-36	828+79	28' RT	-	STOP	1	-	-	1	
M-37	829+84	23' RT	-	"ROCK RIVER"	1	-	-	1	
M-38	829+85	17' RT	-	BRIDGE HASH MARKS	1	-	-	1	
M-39	833+84	17' RT	-	BRIDGE HASH MARKS	1	-	-	1	
M-40	833+89	17' LT	-	BRIDGE HASH MARKS	1	-	-	1	
M-41	833+96	19' LT	-	"ROCK RIVER"	1	-	-	1	
R-08	835+59	25' RT	-	NO PASSING ZONE	-	1	1	-	
M-43	836+62	35' RT	-	SLOWER TRAFFIC KEEP RIGHT	1	-	-	1	
M-42	837+36	52' LT	-	STOP	1	-	-	1	
M-43	875+45	30' LT	-	CTH F, DIRECTION	1	-	-	1	
M-46	876+78	28' RT	-	NO PASSING ZONE	1	-	-	1	
M-44	260+56	17' LT	F	STOP	1	-	-	1	
M-45	260+56	22' LT	F	CTH F, DIRECTION AND USH 14, DOUBLE DIRECTION ARROW	1	-	-	1	J ASSEMBLY
M-47	883+30	27' LT	-	NO PASSING ZONE	1	-	-	1	
UNDISTRIBUTED "NO PASSING ZONE" SIGNS MOVED DUE TO ADJUSTED NO PASSING ZONES					5	-	-	5	
TOTALS					**56**	**8**	**7**	**52**	

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FENCE SAFETY

STATION TO STATION	LOCATION	PURPOSE	STAGE	616.0700.S LF
243+20 - 248+50	LT	PROTECT HISTORIC PROPERTY	ALL	500
305+35 TO 307+50	LT	PROTECT CEMETERY	ALL	225
50+90'TR' - 53+40'TR'	LT	PROTECT CEMETERY	ALL	200
883+70 - 888+25	LT	PROTECT HISTORIC PROPERTY	ALL	425
TOTAL				**1350**

TEMPORARY PEDESTRIAN ITEMS

STAGE	INTERSECTION	QUADRANT	644.1430 TEMPORARY PEDESTRIAN SURFACE PLATE SF	644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAY	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF
2A	CTH M	SW	-	-	10
2A	CTH M	NW	325	14	75
2A	CTH M	NE	325	14	75
2A	JOHN LINDEMANN DR.	NE	250	-	60
2A	JOHN LINDEMANN DR.	NW	-	-	10
TOTALS			**900**	**28**	**230**

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TRAFFIC CONTROL

LOCATION	STAGE	DAYS	643.0300 DRUMS EACH	643.0300 DRUMS DAYS	643.0410 BARRICADES TYPE II EACH	643.0410 BARRICADES TYPE II DAYS	643.0420 BARRICADES TYPE III EACH	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A EACH	643.0705 WARNING LIGHTS TYPE A DAYS	643.0715 WARNING LIGHTS TYPE C EACH	643.0715 WARNING LIGHTS TYPE C DAYS	643.0900 SIGNS EACH	643.0900 SIGNS DAYS
WORK ZONE	1	14	100	1400	0	0	20	280	88	1232	0	0	63	882
CTH H CLOSURE	1/2A	14	0	0	0	0	4	56	8	112	0	0	30	420
WORK ZONE	2A	29	100	2900	0	0	107	3103	198	5742	0	0	186	5394
USH 14 DETOUR	2A	29	0	0	0	0	4	116	8	232	0	0	185	5365
CURB RAMPS	2A	14	0	0	12	168	0	0	12	168	0	0	12	168
WB LANE DROP AT USH 51	2A	7	60	420	0	0	2	14	4	28	12	84	8	56
WORK ZONE	2B	31	100	3100	0	0	80	2480	152	4712	0	0	139	4309
USH 14 DETOUR	2B	31	0	0	0	0	4	124	8	248	0	0	185	5735
WORK ZONE	3	15	100	1500	0	0	20	300	92	1380	0	0	59	885
UNDISTRIBUTED	ALL			1680		32		1527		1146		116		2786
TOTALS				**11000**		**200**		**8000**		**15000**		**200**		**26000**

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TRAFFIC CONTROL COVERING SIGNS TYPE II

CLOSURE	LOCATION	STAGE	CYCLES	643.0920 EACH	COVERED SIGN MESSAGE
CTH H	CTH H/USH 14 INTERSECTION	1/2A	1	2	JCT/USH 14
CTH H	CTH H/USH 14 INTERSECTION	1/2A	1	2	JCT/CTH H
CTH H	CTH H/USH 14 INTERSECTION	1/2A	1	2	CTH H/ARROW
CTH H	CTH H/USH 14 INTERSECTION	1/2A	1	2	EVANSVILLE/JANSEVILLE/ARROWS
N/A	EB USH 14 APPROACH TO CTH M	2A	1	1	LANE DESIGNATION LT ONLY/ THRU-RT
N/A	WB USH 14 APPROACH TO CTH M	2A	1	1	LANE DESIGNATION LT ONLY/ THRU-RT
CTH E	EB USH 14 APPROACH TO CTH E	2A	1	1	CTH E/ARROW
CTH E	WB USH 14 APPROACH TO CTH E	2A	1	1	CTH E/ARROW
USH 14 DETOUR	USH 14/STH 59 INTERSECTION	2	1	1	EAST/USH 14/ARROW
USH 14 DETOUR	USH 14/STH 59 INTERSECTION	2	1	1	EAST/USH 14
USH 14 DETOUR	USH 14/STH 59 INTERSECTION	2	1	1	EAST/USH 14/ARROW
USH 14 DETOUR	USH 14/STH 213 INTERSECTION	2	1	1	EAST/USH 14
USH 14 DETOUR	USH 14/STH 213 INTERSECTION	2	1	1	JANESVILLE/ARROW
USH 14 DETOUR	USH 14/STH 213 INTERSECTION	2	1	2	EAST/USH 14/ARROW
USH 14 DETOUR	USH 14 - MAIN ST/UNION RD INT	2	1	2	EAST/USH 14/ARROW
USH 14 DETOUR	USH 14 - MAIN ST/UNION RD INT	2	1	2	EAST/USH 14/ARROW
USH 14 DETOUR	USH 14 - MAIN ST/UNION RD INT	2	1	1	EAST/USH 14
USH 14 DETOUR	USH 14/CTH M INTERSECTION	2	1	1	EAST/USH 14
USH 14 DETOUR	USH 14/USH 51 INTERSECTION	2	1	2	WEST/USH 14/ARROW
USH 14 DETOUR	USH 14/USH 51 INTERSECTION	2	1	1	EVANSVILLE/ARROW
USH 14 DETOUR	USH 14/USH 51 INTERSECTION	2	1	1	CTH F/ARROW
USH 14 DETOUR	USH 14/USH 51 INTERSECTION	2	1	1	WEST/USH 14
USH 14 DETOUR	USH 14/USH 51 INTERSECTION	2	1	1	RIGHT LANE ENDS SYMBOL
USH 14 DETOUR	USH 14/CTH H INTERSECTION	2	1	2	JCT/CTH H
USH 14 DETOUR	USH 14/CTH H INTERSECTION	2	1	1	WEST/USH 14
USH 14 DETOUR	USH 14/CTH H INTERSECTION	2	1	1	EAST/USH 14
USH 14 DETOUR	USH 14/CTH H INTERSECTION	2	1	2	JCT/USH 14
USH 14 DETOUR	USH 14/CTH H INTERSECTION	2	1	2	EVANSVILLE/JANESVILLE/ARROWS
USH 14 DETOUR	USH 14/CTH E INTERSECTION	2	1	2	JCT/CTH H
USH 14 DETOUR	USH 14/CTH E INTERSECTION	2	1	1	WEST/USH 14
USH 14 DETOUR	USH 14/CTH E INTERSECTION	2	1	1	EAST/USH 14
USH 14 DETOUR	USH 14/CTH F INTERSECTION	2	1	2	JCT/CTH H
USH 14 DETOUR	USH 14/CTH F INTERSECTION	2	1	1	WEST/USH 14
USH 14 DETOUR	USH 14/CTH F INTERSECTION	2	1	1	EAST/USH 14
TOTAL				**45**	

TRAFFIC CONTROL ARROW BOARDS

LOCATION	SERVICE PERIOD DAYS	NUMBER IN SERVICE	643.0800 DAY
WB USH 14 LANE DROP, EAST OF USH 51	7	1	7
TOTAL			**7**

TRAFFIC CONTROL SIGNS PCMS

LOCATION	STAGE	643.1050 DAYS
EB USH 14, WEST OF CTH M	1	7
WB USH 14, EAST OF USH 51	1	7
NB CTH H	1/2A	7
SB CTH H	1/2A	7
EB USH 14, WEST OF CTH M	2A	7
WB USH 14, EAST OF USH 51	2A	7
NB CTH E	2A	7
TOTAL		**49**

TRAFFIC CONTROL CONES 42-INCH

LOCATION	SERVICE PERIOD DAYS	NUMBER IN SERVICE	STAGE	643.1070 DAY
UNDISTRIBUTED			ALL	500
TOTAL				**500**

TRAFFIC CONTROL

LOCATION	643.5000 EACH
PROJECT LIMITS	1.00
TOTAL	**1.00**

3

PERMANENT PAVEMENT MARKING

LOCATION OR STA	TO	STA	OFFSET	ALIGN	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH YELLOW LF	646.1020 MARKING LINE EPOXY 4-INCH WHITE LF	646.4520 MARKING LINE SAME DAY EPOXY 4-INCH YELLOW LF	646.1040 MARKING LINE GROOVED WET REF 4-INCH WHITE LF	646.3020 MARKING LINE EPOXY 8-INCH WHITE LF	646.3040 MARKING LINE GROOVED WET REF 8-INCH WHITE LF	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORDS EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH YELLOW LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH WHITE LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND EPOXY NOSE EACH	648.0100 LOCATING NO-PASSING **ZONES** MI
MAINLINE NOT COVERED WITH DETAILS																				
216+50	-	622+25	LT/RT	-	EDGELINES	-	-	-	78110	-	-	-	-	-	-	-	-	-	-	-
216+50	-	622+25	CL	-	CENTER LINE	-	-	60863	-	-	-	-	-	-	-	-	-	-	-	7.68
216+50	-	622+25	LT/RT	-	EDGELINES AT CROSSROADS	-	-	-	433	-	100	-	-	-	-	-	-	-	-	-
253+14	-	254+16	LT	-	N WEARY RD	-	-	-	-	-	102	-	-	-	-	-	-	-	-	-
309+45	-	311+20	LT	-	USH 14 MARKINGS	-	-	-	-	-	175	-	-	-	-	-	-	-	-	-
654+00	-	800+75	LT/RT	-	EDGELINES	-	-	-	28340	-	-	-	-	-	-	-	-	-	-	-
654+00	-	800+75	CL	-	CENTER LINE (SOLID & SKIP DASH)	-	-	22012	-	-	-	-	-	-	-	-	-	-	-	2.78
654+00	-	800+75	LT/RT	-	EDGELINES AT CROSSROADS	-	-	-	127	-	-	-	-	-	-	-	-	-	-	-
707+21	-	710+26	LT/RT	-	N LEITH RD	-	-	-	-	-	343	-	-	-	-	-	-	-	-	-
CTH M INTERSECTION																				
209+80	-	216+50	-	-	USH 14 MARKINGS	-	-	725	991	-	262	7	1	63	-	-	131	-	-	-
CTH M			-	-	CTH M MARKINGS	263	-	-	-	147	-	4	-	93	-	-	164	-	-	-
JOHN LINDEMANN DRIVE																				
JOHN LINDEMANN DRIVE (NO ALIGNMENT)						-	-		-	-	-	-	-	22	-	-	98	-	-	-
CTH H																				
622+25	-	628+66	LT/RT	-	USH 14 MARKINGS	-	-	802	1282	-	-	-	-	-	-	-	-	-	-	-
628+66	-	646+53	CL/LT/RT	-	USH 14 MARKINGS	-	-	5762	3382	-	1004	-	-	-	381	-	-	-	-	-
646+53	-	654+00	LT/RT	-	USH 14 MARKINGS	-	-	1495	1495	-	-	-	-	-	-	-	-	-	-	-
127+00	-	133+00	CL/LT/RT	H	CTH H MARKINGS	849	861	-	-	284	-	-	-	87	-	-	-	60	6	-
CTH E																				
800+75	-	818+00	CL/LT/RT	-	USH 14 MARKINGS	-	-	4336	2895	-	1495	-	-	-	168	307	-	-	-	-
198+50	-	202+75	CL/LT/RT	E	CTH E MARKINGS	820	711	-	-	323	-	4	1	53	-	-	-	28	3	-
ROCK RIVER AREA																				
818+00	-	861+50	CL/LT/RT	-	USH 14 MARKINGS	794	794	8303	7442	-	643	-	-	-	297	-	-	-	-	-
CTH F																				
861+50	-	897+52	CL/LT/RT	-	USH 14 MARKINGS	-	-	5917	6989	-	402	-	-	-	94	-	-	10	1	-
260+00	-	261+44	CL/LT/RT	F	CTH F MARKINGS	145	123	-	-	-	-	-	-	33	-	-	-	-	-	-
TOTALS						**2871**	**2489**	**110215**	**131485**	**754**	**4526**	**15**	**2**	**351**	**940**	**307**	**393**	**98**	**10**	**10.46**

3

TEMPORARY PAVEMENT MARKING

STAGE	LOCATION	COLOR	DESCRIPTION	**649.0105 TEMPORARY MARKING LINE PAINT 4-INCH LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH LF	649.0850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF
1	227+00 - 638+00	YELLOW	USH 14 CL - SOLID & 4' SKIP DASH	50000	-	-	-
1	638+00 - 799+00	YELLOW	USH 14 CL - SOLID & 4' SKIP DASH	20000	-	-	-
2A	209+80 - 227+00	YELLOW	USH 14 CL - 4' SKIP DASH	200	-	-	-
2A	799+00 - 897+51	YELLOW	USH 14 CL - 4' SKIP DASH	800	-	-	-
2A	894+50 - 900+25 LT	YELLOW	WB USH 14, TEMPORARY INSIDE EDGELINE	-	575	-	-
2A	WB USH 14, EAST OF USH 51	WHITE	TAPER FOR LEFT TURN LANE	-	-	200	-
2A	WB USH 14, EAST OF USH 51	YELLOW	WB USH 14, TEMPORARY LANE DROP	-	950	-	-
2A	NORTH LEG, CTH M INTERSECTION	WHITE	CROSSWALK	-	220	-	-
2A	USH 14/CTH M INTERSECTION	WHITE	APPROACHES TO USH 14	-	-	-	100
2A & 2B	USH 14/CTH H INTERSECTION	WHITE	APPROACHES TO USH 14	-	-	-	100
2A & 2B	USH 14/CTH E INTERSECTION	WHITE	NB APPROACH TO USH 14	-	-	-	50
TOTALS				**71000**	**1745**	**200**	**250**

**** PLACE TEMPORARY PAVEMENT MARKINGS BEFORE OPENING TO 2-WAY TRAFFIC**

3

MARKING REMOVAL LINE WATER BLASTING 4-INCH

STAGE	DESCRIPTION	LOCATION	646.9010 LF
2A	WHITE LANE LINE DASH	TEMPORARY LANE DROP - WB USH 14, EAST OF USH 51	150
2A	WHITE LANE LINE DASH	TEMP LEFT TURN LANE TAPER - WB USH 14, EAST OF USH 51	50
		TOTAL	**200**

3

SAWCUTS

LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	COMMENTS
USH 14 & CTH M	197	45	CURB & GUTTER AND SIDEWALK
JOHN LINDEMANN DR	74	25	CURB & GUTTER AND SIDEWALK
N WEARY RD	45	-	
N TERRITORIAL DR	25	-	
USH 14 & TOLLES RD	711	-	
N TUTTLE RD/N WILDER RD	44	-	
N RILEY RD	22	-	
N CURTIS DR	24	-	
N FELLOWS RD	22	-	
N CASSIDY RD	22	-	
N EAGLERD/N ROHERTY RD	49	-	
N FOX RD	26	-	
USH 14 & CTH H	2715	-	INCLUDES LONGITUDINAL AND SIDEROAD SAWCUTS
DRIVEWAY AT 643+50, LT	12	-	
POLZIN RD	29	-	
CONNOR RD	20	-	
N LEITH RD	31	-	
N FITZSIMMONS RD	25	-	
N BURDICK RD	22	-	
N RIVERS EDGE RD	22	-	
USH 14 & CTH E/N ROBINSON RD	2960	-	INCLUDES LONGITUDINAL AND SIDEROAD SAWCUTS
NW RIVER DR/N HACKBARTH RD	56	-	
USH 14 (HACKBARTH RD TO ROCK RIVER)	1713	-	INCLUDES LONGITUDINAL AND W RIVER RD SAWCUTS
USH 14 (ROCK RIVER TO SPRING HILL DR)	1772	-	INCLUDES LONGITUDINAL AND N RIVER RD SAWCUTS
USH 14 & W EDGEWOOD DR/N EDGEWOOD DR	443	-	INCLUDES LONGITUDINAL AND SIDEROAD SAWCUTS
USH 14 & CTH F/CRYSTAL SPRING RD	743	-	INCLUDES LONGITUDINAL AND SIDEROAD SAWCUTS
ASPHALT ENTRANCES NOT SHOWN IN DETAILS	740	-	37 ENTRANCES WITH 20' AVERAGE WIDTH
TOTALS	**12560**	**70**	

REMOVING BILLBOARDS

LOCATION	SPV.0060.05 EACH
STA 801+60 RT	1
STA 807+75 RT	1
TOTAL	**2**

CONDUIT RIGID NONMETALLIC SCHEDULE 40

FROM	TO	652.0225** 2-INCH LF	652.0235** 3-INCH LF
PB3	PB4	--	5
PB11	PB12	--	32
PB14	SB9	21	--
PB1	SB10	16	--
PB1	SB11	5	--
TOTALS		42	37

**FINAL LOCATION TO BE DETERMINED BY ENGINEER IN FIELD

REMOVE LOOP DETECTOR WIRE AND LEAD-IN CABLE, USH 14 & CTH M

LOCATION	SPV.0105.01 LS
USH 14 & CTH M	1
TOTAL	1

PULLBOXES STEEL 24X36-INCH

NO.	STATION, OFFSET	653.0135** EACH
PB4	STA 210+29, 81' LT	1
PB12	STA 211+19, 99, RT	1
TOTALS		2

**FINAL LOCATION TO BE DETERMINED BY ENGINEER IN FIELD

SIGNAL LOOP ITEMS

LOOP NUMBER	HOME RUN PB	STATION, OFFSET*	SDD INSTALLATION REFERENCE	SIZE	NO. OF TURNS	652.0800** CONDUIT LOOP DETECTOR LF	655.0700** ^ LOOP DETECTOR LEAD IN CABLE LF	655.0800** LOOP DETECTOR WIRE LF
11	PB15	STA 209+70, 6' RT	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	6 X 20	4	100	60	400
21	PB8	STA 214+80.05, 11.5' LT	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	6 X 15	5	59	525	256
23	PB6	STA 211+44.46, 6.4' LT	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	6 X 20	3	74	195	212
24	PB6	STA 211+44.62, 18.1' LT	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	6 X 20	3	62	195	188
41	PB4	STA 210+54, 84' LT	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	6 X 20	3	79	131	222
42	PB4	STA 210+29, 81' LT	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	6 X 20	3	67	131	198
43	PB3	STA 210+51, 61' LT	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	6 X 20	3	80	131	224
44	PB3	STA 210+49, 60' LT	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	6 X 20	3	67	131	198
62	PB15	STA 210+09.87, 18' RT	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	6 X 20	3	72	60	208
63	PB15	STA 210+09.87, 6' RT	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	6 X 20	3	81	60	226
81	PB12	STA 210+87, 78' RT	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	6 X 20	3	74	111	212
82	PB12	STA 210+99, 78' RT	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	6 X 20	3	63	111	190
83	PB10	STA 210+81, 53' RT	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	6 X 20	3	73	111	210
84	PB10	STA 210+96, 51' RT	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	6 X 20	3	70	111	204
INTERSECTION: UNDISTRIBUTED QUANTITIES AT USH 14 AND USH 51 INTERSECTION								
61A	PB5	STA 897+09.47, 6.1' RT	-	6 X 6	-	46	-	-
61B	PB5	STA 897+10.31, 18.0' RT	-	6 X 6	-	34	-	-
					TOTALS	1,101	2,063	3,148

*STATION AND LOCATION IS TO FRONT CENTER OF DETECTION LOOP
**FINAL LOCATION TO BE DETERMINED BY ENGINEER IN FIELD
^ADDITIONAL QUANTITIES LISTED ELSEWHERE

SIGNAL AND PUSH BUTTON CABLE

FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG EACH	655.0250 CABLE TRAFFIC SIGNAL 9-14 AWG EACH	SLACK PER PB & CB LF	655.0700^ LOOP DETECTOR LEAD-IN CABLE LF
SB4	FACE 6	20	--	--	--
SB4	FACE 10	20	--	--	--
SB5	FACE 5	60	--	--	-
CABINET	SB9	37	--	16	47
SB9	BUTTON	--	--	16	6
CABINET	SB10	- -	127	16	147
SB10	FACE 91	18	--	16	--
SB10	FACE 92	18	--	16	--
SB10	BUTTON	--	--	16	6
CABINET	SB11	--	116	16	136
SB11	BUTTON	--	--	16	6
CABINET	SB12	--	222	16	262
SB12	FACE 93	18	--	16	--
SB12	BUTTON	--	--	16	6
TOTALS		191	465		616

^ADDITIONAL QUANTITIES SHOWN ELSEWHERE

TRAFFIC SIGNAL BASES AND POLES/FACES

NO.	STATION, OFFSET	654.0101** CONCRETE BASES TYPE 1 EACH	657.0100 PEDESTAL BASES EACH	657.0405 TRAFFIC SIGNAL STANDARD ALUMINUM 3.5-FT EACH	657.0425 TRAFFIC SIGNAL STANDARD ALUMINUM 15-FT EACH	657.0595 TROMBONE ARM 25-FT EACH	658.0173 TRAFFIC SIGNAL FACE 3-S 12-INCH EACH	658.0175 TRAFFIC SIGNAL FACE 5-S 12-INCH EACH	PEDESTRIAN PUSH BUTTON NOTES
SB4	STA 211+60, 23' LT		1		1		1	1	
SB5	STA 211+45, 34' RT					1		1	
SB9	STA 210+17, 32' RT	1	1	1					ATTACH THE PUSH BUTTON FROM SB8
SB10	STA 210+9, 36' LT	1							
SB11	STA 211+22. 49' LT	1	1	1					ATTACH ONE PUSH BUTTON FROM SB10
SB12	STA 211+06, 52' LT	1							
TOTALS		4	3	2	1	1	1	2	

**FINAL LOCATION TO BE DETERMINED BY ENGINEER IN FIELD

REMOVE AND REINSTALL LOOP DETECTOR WIRE AND LEAD-IN CABLE, USH 14 & USH 51

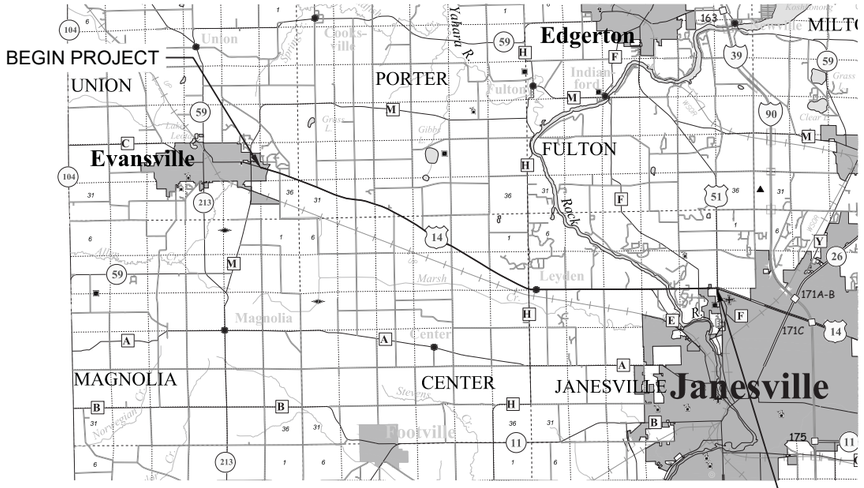
LOCATION	SPV.0105.03 LS
USH 14 & USH 51	1
TOTAL	1

REMOVE AND REINSTALL TRAFFIC SIGNAL STANDARDS AND PEDESTRIAN PUSH BUTTONS, USH 14 & CTH M

LOCATION	SPV.0105.02 LS
USH 14 & CTH M	1
TOTAL	1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
5155-02-21
EVANSVILLE - JANESVILLE
CTH M TO USH 51
USH 14
ROCK 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 (3/4-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
GN

CONVENTIONAL ABBREVIATIONS

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

CURVE DATA

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

CONVENTIONAL UTILITY SYMBOLS

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

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ROCK COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

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

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

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 5155-02-21

NOTES:

EXISTING ACCESS CONTROL ALONG USH 14 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECTS 5155-01-29 AND CA 014-2(2) AND FELLOWS HICKORY RIDGE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 14 ESTABLISHED FROM PREVIOUS PROJECTS 5155-04-21, DIVISION JOB NO 1767, CSMs 19-83, 39-144, 22-198, 15-420, 35-296, 23-194, 24-394, 34-224, 34-5, AND 38-89, MORNINGRIDGE ESTATES 5TH ADD., GLACIER VALLEY ESTATES 2ND ADD., FELLOWS HICKORY RIDGE, PLAT OF SURVEYS M8177, M17467, M00692, M17426, M17566, M13792, M17131, M14322, AND M16967, AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

EXISTING HIGHWAY RIGHT-OF-WAY FOR NORTH WEARY ROAD ESTABLISHED FROM CSM 39-144, MORNINGRIDGE ESTATES 5TH ADD. AND GLACIER VALLEY ESTATES 2ND ADD, PLAT OF SURVEY M8177, AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

EXISTING HIGHWAY RIGHT-OF-WAY FOR NORTH TERRITORIAL ROAD ESTABLISHED FROM GLACIER VALLEY ESTATES 2ND ADD. AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

EXISTING HIGHWAY RIGHT-OF-WAY FOR NORTH TOLLES ROAD ESTABLISHED FROM CSMs 6-99, 11-233, 23-,392 , AND 25-161, TOWN OF PORTER TOWN ROAD RECORDS BOOK 1, PG. 3, PLAT OF SURVEY M17467, AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

EXISTING HIGHWAY RIGHT-OF-WAY FOR NORTH CURTIS DRIVE ESTABLISHED FROM FELLOWS HICKORY RIDGE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR NORTH FELLOWS ROAD ESTABLISHED FROM CSM 22-198 AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

EXISTING HIGHWAY RIGHT-OF-WAY FOR NORTH CASSIDY ROAD ESTABLISHED FROM PLAT OF SURVEY M17566 AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

EXISTING HIGHWAY RIGHT-OF-WAY FOR NORTH EAGLE ROAD ESTABLISHED FROM CSM 4-82, PLAT OF SURVEY M17131, AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

EXISTING HIGHWAY RIGHT-OF-WAY FOR NORTH ROHERTY ROAD ESTABLISHED FROM PLAT OF SURVEY M13792 AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH H ESTABLISHED FROM PREVIOUS PROJECT 5155-04-21, CSMs 3-259, 24-394, PLAT OF SURVEY M14322, AND STATUTE 82.31 USING EXISTING TOWNSHIP LINE WITH A PRESUMED 66' WIDTH.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH E ESTABLISHED FROM DIVISION JOB NO. 1767, CSMs 37-235 AND 38-475, PLAT OF SURVEY M16967, AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

EXISTING HIGHWAY RIGHT-OF-WAY FOR NORTH ROBINSON LANE ESTABLISHED FROM CSM 34-5.

EXISTING HIGHWAY RIGHT-OF-WAY FOR NORTH WEST RIVER DRIVE ESTABLISHED FROM CSM 38-89

EXISTING HIGHWAY RIGHT-OF-WAY FOR HACKBARTH ROAD ESTABLISHED FROM DIVISION JOB NO. 1767, PLAT OF SURVEY M16967, AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

PROJECT NUMBER 5155-02-21 - 4.02
SHEET 2 OF 2
AMENDMENT NO: 4

FILE NAME : V:\SURVEY\MD\74-0244.00 USH 14 HWY M TO 51\ROADWAY\C3D\SHEETSPLAN\5155-02-21\51550221_040100.DWG
LAYOUT NAME: 51550221_Title
PLOT DATE : 9/18/2019 2:09:41 PM PLOT BY : BADTKE, CHRISTOPHER PLOT NAME : _____
APPRAISAL PLAT DATE : 09/18/2019

TRANSPORTATION PROJECT PLAT NO: 5155-02-21 - 4.02 - AMENDMENT NO. 4

ADDS PARCEL 102 TO TRANSPORTATION PROJECT PLAT 5155-02-21-4.02-AMENDMENT NO. 3 RECORDED AS DOCUMENT NO. 2132421

THAT PART OF LOT 71 OF MORNING RIDGE ESTATES FIFTH ADDITION IN THE SOUTHEAST ¼ OF THE SOUTHWEST ¼ AND THE SOUTHWEST ¼ OF THE SOUTHEAST ¼ OF SECTION 25, THAT PART OF THE SOUTHEAST ¼ OF THE SOUTHWEST ¼ AND THAT PART OF THE SOUTHWEST ¼ OF THE SOUTHEAST ¼ OF SECTION 25, TOWNSHIP 4 NORTH, RANGE 10 EAST, TOWN OF UNION, ROCK COUNTY, WISCONSIN.

RELOCATION ORDER USH 14 EVANSVILLE-JANESVILLE, CTH M TO USH 51

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:

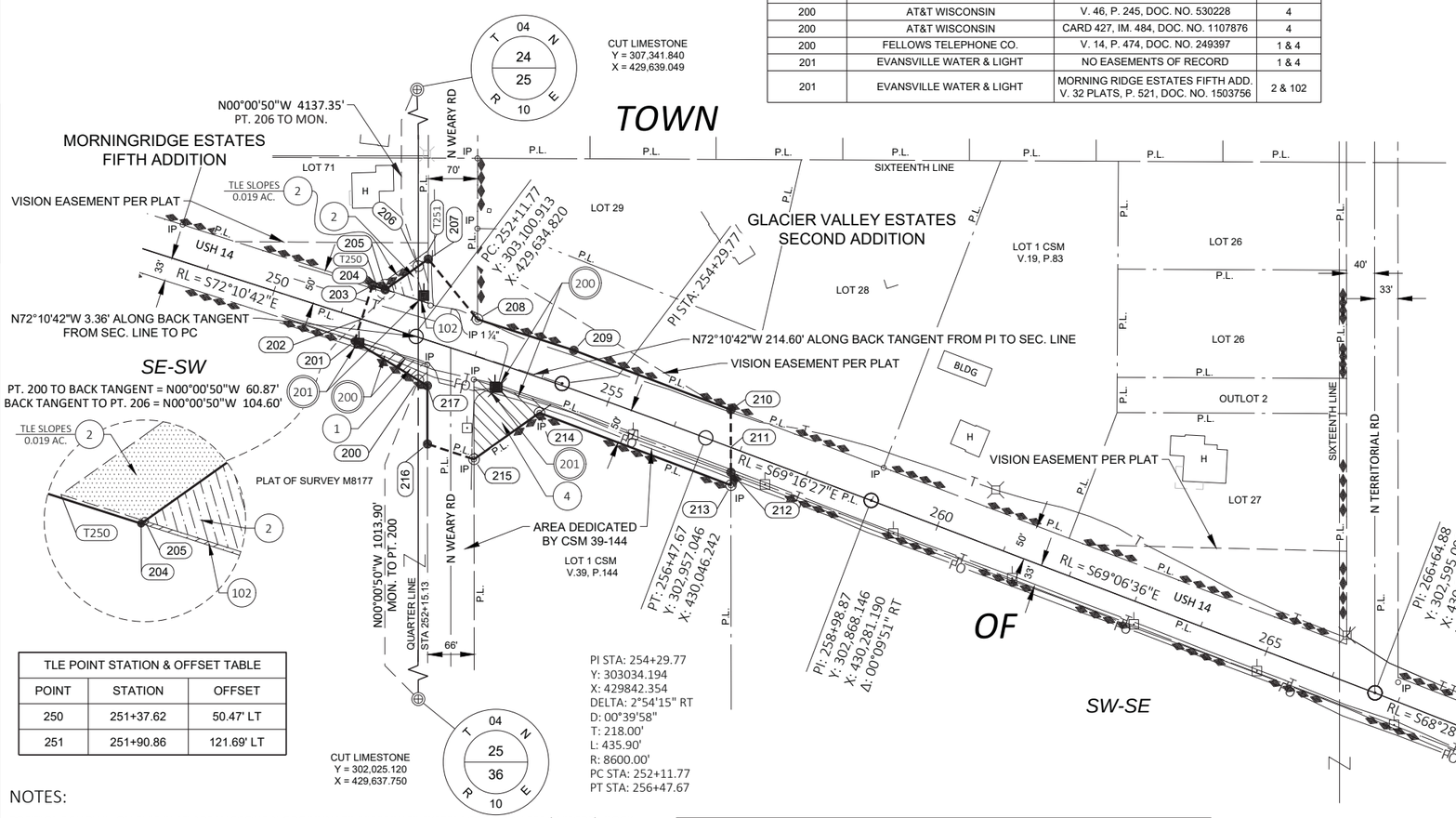
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE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

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES			TLE ACRES
			NEW	EXISTING	TOTAL	
1	WHILDEN R. HUGHES AND JUDITH A. HUGHES	FEE	0.036	0.190	0.226	----
2	JOSHUA BAKER AND JANA BAKER	FEE	0.044	----	0.044	0.019
4	WOODWORTH FARMS, INC.	FEE	0.143	0.382	0.525	----
102	JOSHUA BAKER AND JANA BAKER	FEE	0.001	----	0.001	----

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5155-02-21 - 4.02
AMENDMENT NO. 4
SHEET 1 OF 2

UTILITY EASEMENT INFORMATION			
UTILITY NO.	UTILITY	RECORDING INFORMATION	PARCEL(S)
200	AT&T WISCONSIN	V. 196, P. 234, DOC. NO. 698942	1
200	AT&T WISCONSIN	V. 46, P. 245, DOC. NO. 530228	4
200	AT&T WISCONSIN	CARD 427, IM. 484, DOC. NO. 1107876	4
200	FELLOWS TELEPHONE CO.	V. 14, P. 474, DOC. NO. 249397	1 & 4
201	EVANSVILLE WATER & LIGHT	NO EASEMENTS OF RECORD	1 & 4
201	EVANSVILLE WATER & LIGHT	MORNING RIDGE ESTATES FIFTH ADD. V. 32 PLATS, P. 521, DOC. NO. 1503756	2 & 102



TLE POINT STATION & OFFSET TABLE		
POINT	STATION	OFFSET
250	251+37.62	50.47' LT
251	251+90.86	121.69' LT

I, CHRISTOPHER R. BADTKE, 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 WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT 5155-02-21-4.02 AMENDMENT NO. 4 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

CHRISTOPHER R. BADTKE
REGISTRATION NUMBER: S-3150

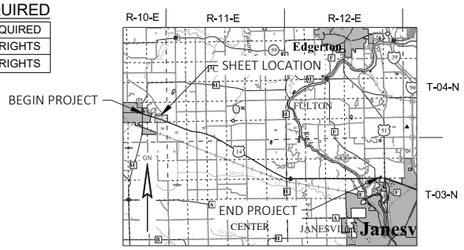
09/19/2019
DATE

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION-MADISON.

CORY SCHLAGEL

DATE

SCHEDULE OF UTILITIES & INTERESTS REQUIRED		
UTILITY NO.	OWNER(S)	INTEREST REQUIRED
200	AT&T WISCONSIN	RELEASE OF RIGHTS
201	EVANSVILLE WATER & LIGHT	RELEASE OF RIGHTS



NOTES:

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

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

ALL EXISTING IRON PINS ARE ¾", UNLESS OTHERWISE NOTED.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

USH 14 ESTABLISHED FROM CSMs 19-83 AND 39-144, GLACIER VALLEY ESTATES 2ND ADD., MORNINGRIDGE ESTATES 5TH ADD., PLAT OF SURVEY M8177, AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

NORTH WEARY ROAD ESTABLISHED FROM GLACIER VALLEY ESTATES 2ND ADD., MORNINGRIDGE ESTATES 5TH ADD., CSM 39-144, PLAT OF SURVEY M8177, AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

NORTH TERRITORIAL ROAD ESTABLISHED FROM GLACIER VALLEY ESTATES 2ND ADD. AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

ACCESS TO USH 14 IS RESTRICTED BY CONTROLLED-ACCESS PROJECT 5155-01-29
PARCEL 1 - DOC. NO. 1941696 PARCEL 4 - DOC. NO. 1941699

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

R/W POINT STATION & OFFSET TABLE					
POINT	STATION	OFFSET	POINT	STATION	OFFSET
200	252+33.89	57.92' RT	209	254+29.85	52.81' LT
201	251+30.68	33.07' RT	210	256+66.95	50.02' LT
202	251+30.63	0.00'	211	256+85.94	0.00'
203	251+30.56	49.93' LT	212	256+98.46	32.98' RT
204	251+49.99	49.96' LT	213	257+05.02	50.25' RT
205	251+50.11	50.48' LT	214	254+12.89	47.08' RT
206	251+84.25	96.14' LT	215	253+45.59	139.74' RT
207	251+94.61	110.01' LT	216	252+74.93	140.05' RT
208	252+86.95	50.33' LT	217	252+48.75	61.43' RT

R/W COURSE TABLE					
COURSE	BEARING	DISTANCE	COURSE	BEARING	DISTANCE
200 (S/L)-201	N58°36'17"W	106.03'	207-208	S69°16'34"E	238.59'
201-202 (R/L)	N17°44'30"E	33.07'	208-209 (R/L)	S00°03'50"E	53.50'
202 (R/L)-203	N17°44'30"E	49.93'	209 (R/L)-210	S00°03'50"E	35.28'
203-204	S72°15'30"E	19.15'	210-211	S00°03'50"E	18.47'
204-205	N54°36'23"E	0.66'	211-212	N69°16'37"W	290.82'
205-206 (S/L)	N54°36'23"E	57.00'	212-213	S54°37'53"W	114.09'
206 (S/L)-207	N54°36'23"E	17.31'	213-214	N71°46'43"W	69.51'
207-208	S39°17'03"E	110.49'	214-215	N00°03'50"W	82.77'
208-209	S72°10'55"E	143.60'	215-200 (S/L)	N58°36'17"W	15.16'

TRANSPORTATION PROJECT PLAT NO: 5155-02-21 - 4.03 - AMENDMENT NO. 3

AMENDS PARCEL 7 AND REMOVES PARCEL 8 TO TRANSPORTATION PROJECT PLAT 5155-02-21-4.03 - AMENDMENT NO. 2 RECORDED AS DOCUMENT NO. 2047201 AND ADDS PARCELS 5 AND 6, ADDS UTILITY NUMBER 201, REVISES THE EXISTING RIGHT OF WAY OF USH 14 AND N TOLLES ROAD, EDITS THE SECTION CORNERS OF SECTIONS 30 AND 31, T04N, R11E, AND CHANGES THE COORDINATE REFERENCE TO TRANSPORTATION PROJECT PLAT 5155-02-21-4.03 RECORDED AS DOCUMENT NO. 2022978

THAT PART OF THE NORTHWEST ¼ OF THE NORTHEAST ¼ AND THAT PART OF THE NORTHEAST ¼ OF THE NORTHWEST ¼ OF SECTION 31, TOWNSHIP 4 NORTH, RANGE 11 EAST, TOWN OF PORTER, ROCK COUNTY, WISCONSIN.

RELOCATION ORDER USH 14 EVANSVILLE-JANESVILLE, CTH M TO USH 51

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES NEW	R/W ACRES EXISTING	R/W ACRES TOTAL	TLE ACRES
5	TRUSTEES OF SCHOOL DISTRICT NUMBER ONE IN THE TOWN OF PORTER	TLE	----	----	----	0.014
6	JOHN B. CRULL	FEE	1.356	0.904	2.260	----
7	R & K & SONS FARMS, LLC	FEE	0.085	0.342	0.427	----

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

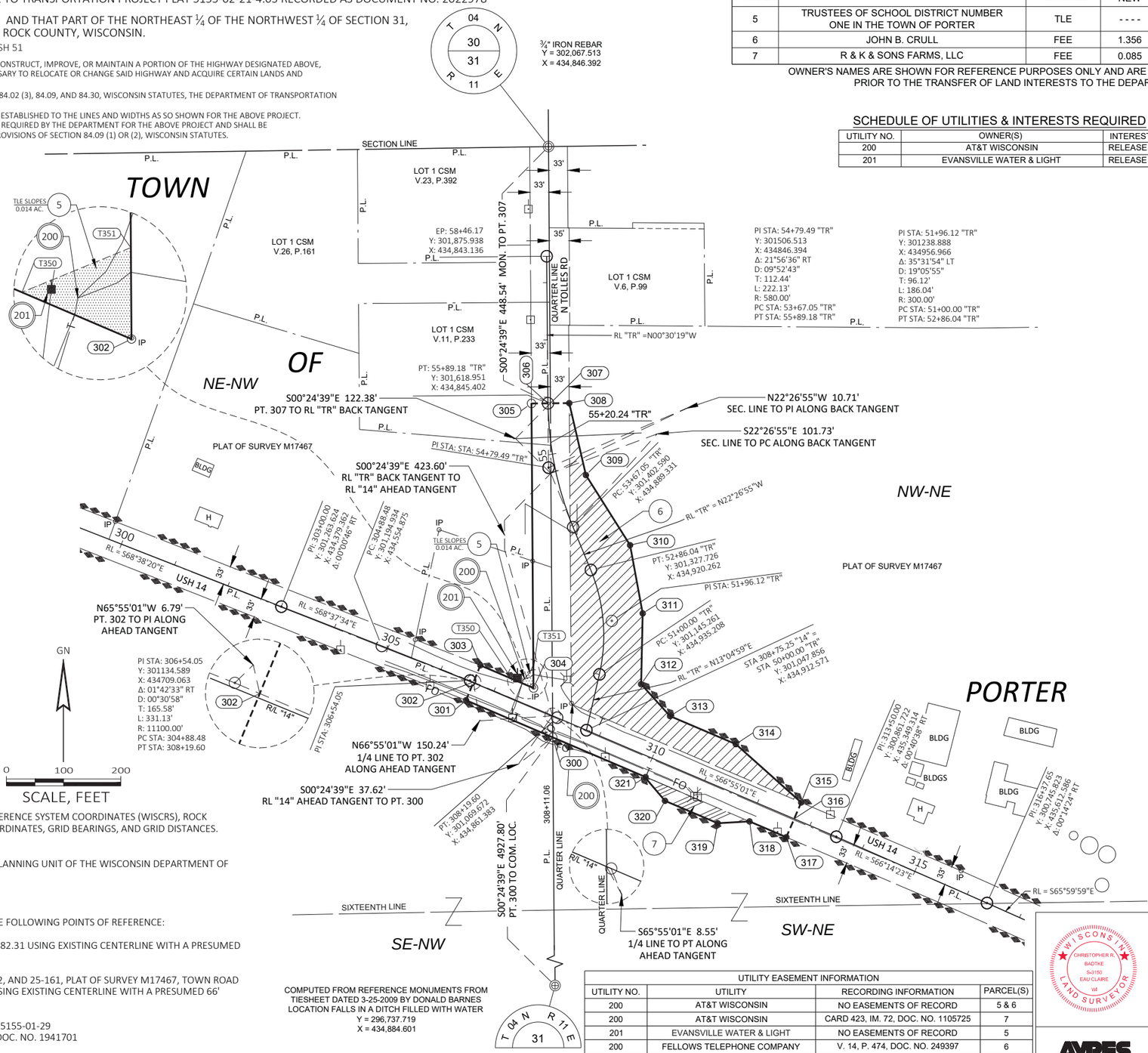
UTILITY NO.	OWNER(S)	INTEREST REQUIRED
200	AT&T WISCONSIN	RELEASE OF RIGHTS
201	EVANSVILLE WATER & LIGHT	RELEASE OF RIGHTS

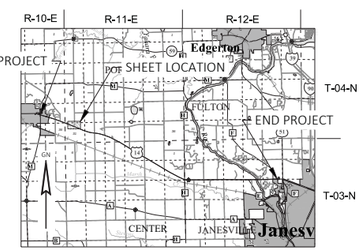
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5155-02-21 - 4.03
AMENDMENT NO. 3

TLE POINT STATION & OFFSET TABLE		
POINT	STATION	OFFSET
T350	307+20.00	32.06' LT
T351	307+49.00	61.10' LT

R/W POINT STATION & OFFSET TABLE		
POINT	STATION	OFFSET
300	308+26.05	34.50' RT
301	306+60.80	33.19' RT
303	306+60.86	32.81' LT
304	307+61.52	31.72' LT
305	55+89.18 'TR'	28.79' LT
308	55+89.18 'TR'	37.21' RT
309	54+50.00 'TR'	50.00' RT
310	53+00.00 'TR'	80.00' RT
311	52+00.00 'TR'	70.00' RT
312	51+00.00 'TR'	75.00' RT
313	310+00.00	80.00' LT
314	311+25.00	80.00' LT
315	312+70.00	31.03' LT
317	312+69.93	34.97' RT
318	312+00.00	34.90' RT
319	311+50.00	59.60' RT
320	310+50.00	59.60' RT
321	310+02.51	34.75' RT

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
300 - 301	N66°51'23"W	164.78'
301 - 302 (TAN)	N22°19'03"E	34.33'
302 (TAN) - 303	N22°19'03"E	31.68'
303 - 304	S66°51'23"E	100.96'
304 - 305	N00°24'39"W	497.16'
305 - 306 (R/L)	N89°29'41"E	28.79'
306 (R/L) - 307 (S/L)	N89°29'41"E	4.21'
307 (S/L) - 308	N89°29'41"E	33.00'
308 - 309	S13°01'46"E	129.03'
309 - 310	S32°13'57"E	144.70'
310 - 311	S10°29'43"E	121.26'
311 - 312	S01°14'57"W	123.69'
312 - 313	S42°08'28"E	75.18'
313 - 314	S66°55'01"E	125.00'
314 - 315	S48°15'22"E	153.05'
315 - 316 (R/L)	S23°08'37"W	31.03'
316 (R/L) - 317	S23°08'37"W	34.97'
317 - 318	N66°51'23"W	69.93'
318 - 319	S86°47'20"W	55.77'
319 - 320	N66°54'59"W	100.00'
320 - 321	N40°25'47"W	55.86'
321 - 300	N66°51'23"W	173.95'





NOTES:

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

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

ALL IRON PINS ARE ¾", UNLESS OTHERWISE NOTED.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

USH 14 ESTABLISHED FROM PLAT OF SURVEY M17467 AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

NORTH TOLLES ROAD ESTABLISHED FROM CSMs 6-99, 11-233, 23-392, AND 25-161, PLAT OF SURVEY M17467, TOWN ROAD RECORDS, TOWN OF PORTER BOOK 1, PAGE 3 AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

ACCESS TO USH 14 IS RESTRICTED BY CONTROLLED-ACCESS PROJECT 5155-01-29
PARCEL 5 - DOC. NO. 1941608 PARCEL 6 - DOC. NO. 1941701
PARCEL 7 - DOC. NO. 1941701

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 2138034 FOR ADDITIONAL INFORMATION.

COMPUTED FROM REFERENCE MONUMENTS FROM TIESHEET DATED 3-25-2009 BY DONALD BARNES
LOCATION FALLS IN A DITCH FILLED WITH WATER
Y = 296,737.719
X = 434,884.601

UTILITY EASEMENT INFORMATION			
UTILITY NO.	UTILITY	RECORDING INFORMATION	PARCEL(S)
200	AT&T WISCONSIN	NO EASEMENTS OF RECORD	5 & 6
200	AT&T WISCONSIN	CARD 423, IM. 72, DOC. NO. 1105725	7
201	EVANSVILLE WATER & LIGHT	NO EASEMENTS OF RECORD	5
200	FELLOWS TELEPHONE COMPANY	V. 14, P. 474, DOC. NO. 249397	6
200	EX. RURAL TELEPHONE CO.	V. 12, P. 305, DOC. NO. 217127	6

I, CHRISTOPHER R. BADTKE, 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 WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT 5155-02-21-4.03 AMENDMENT NO. 3 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

CHRISTOPHER R. BADTKE — 10/04/2019 DATE
REGISTRATION NUMBER: S-3150

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION - MADISON.

CORY SCHLAGEL — DATE

AYRES ASSOCIATES

TRANSPORTATION PROJECT PLAT NO: 5155-02-21 - 4.05 - AMENDMENT NO. 1

ADDS PARCELS 116, 117, AND 118, AMENDS PARCELS 16 AND 17, REMOVES PARCELS 14 & 15, AMENDS UTILITY NUMBERS 200 AND 206, REVISES THE EXISTING RIGHT OF WAY OF USH 14 AND N FELLOWS ROAD, AND EDITS THE SECTION CORNERS OF SECTION 33, T04N, R11E AND EDITS THE SECTION CORNER FOR SECTION 4, T03N, R11E, AND CHANGES THE COORDINATE REFERENCE TO TRANSPORTATION PROJECT PLAT 5155-02-21-4.05 RECORDED AS DOCUMENT NO. 2022980

THAT PART OF LOT 1 OF CSM 22-198 IN THE SOUTHWEST ¼ OF THE SOUTHEAST ¼ AND THAT PART OF THE SOUTHWEST ¼ OF THE SOUTHEAST ¼ AND THAT PART OF THE SOUTHEAST ¼ OF THE SOUTHWEST ¼ ALL IN SECTION 33, TOWNSHIP 4 NORTH, RANGE 11 EAST, TOWN OF PORTER, ROCK COUNTY, WISCONSIN.

RELOCATION ORDER USH 14 EVANSVILLE-JANESVILLE, CTH M TO USH 51

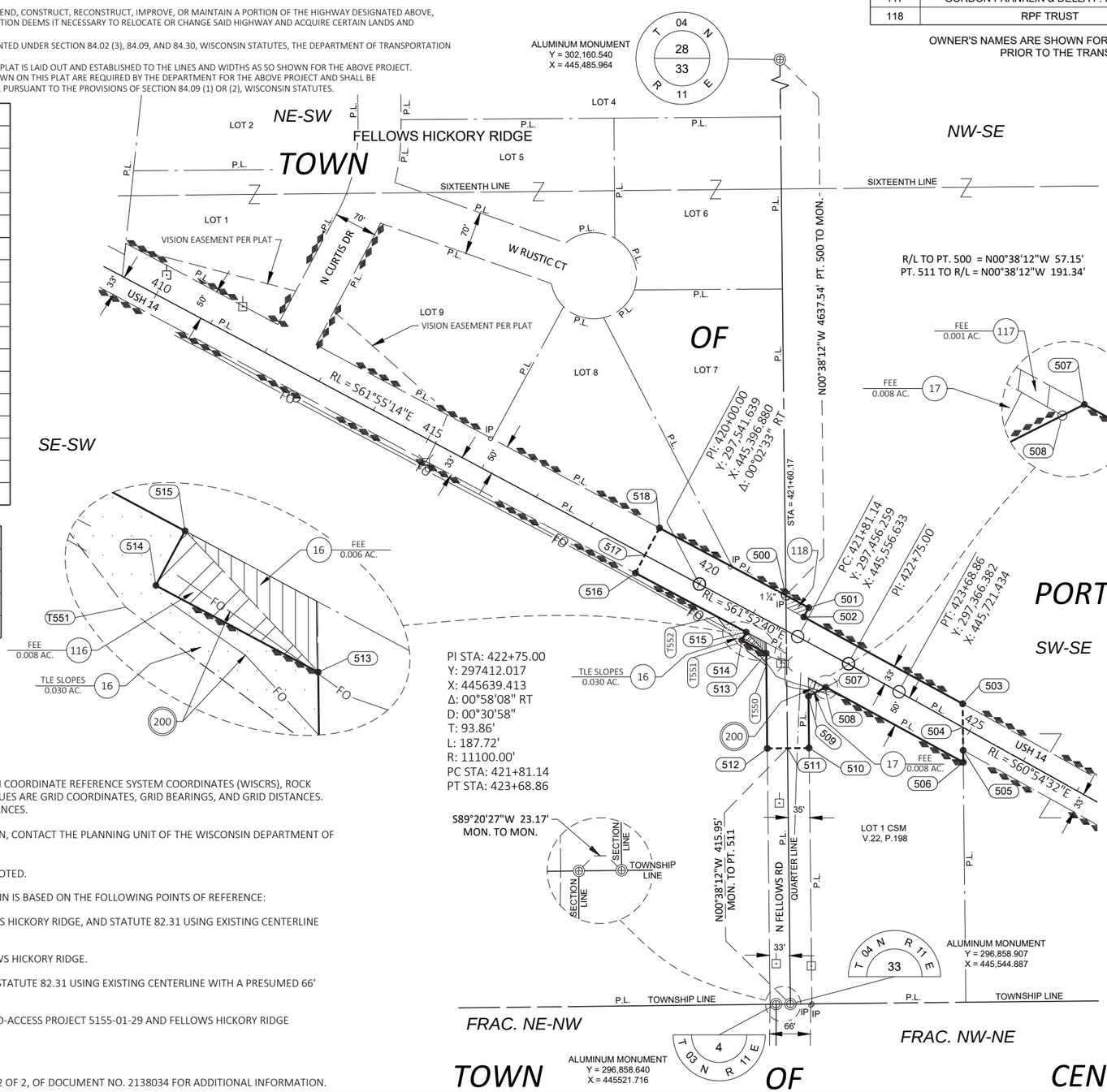
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN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

R/W POINT STATION & OFFSET TABLE		
POINT	STATION	OFFSET
500	421+32.68	50.10' LT
501	421+75.00	50.00' LT
502	421+75.00	32.84' LT
503	424+68.62	33.45' LT
505	425+06.13	32.37' RT
506	425+15.72	49.19' RT
507	422+60.94	50.65' RT
508	422+60.94	50.65' RT
509	422+59.80	52.92' RT
510	422+84.29	150.39' RT
512	422+24.00	183.53' RT
513	421+48.87	48.00' RT
514	421+04.00	48.00' RT
515	421+04.00	32.92' RT
516	419+00.00	33.01' RT
518	419+00.00	49.99' LT

TLE POINTS STATION & OFFSET TABLE		
POINT	STATION	OFFSET
T550	421+58.25	65.09' RT
T551	421+00.00	56.13' RT
T552	420+50.00	32.97' RT



SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES			TLE ACRES
			NEW	EXISTING	TOTAL	
16	SAYRE JOINT FARMS, LLC	FEE & TLE	0.006	0.328	0.334	0.030
17	GORDON FRANKLIN & DELLA F. FRANKLIN	FEE	0.008	- - - -	0.008	- - - -
116	SAYRE JOINT FARMS, LLC	FEE	0.008	0.001	0.009	- - - -
117	GORDON FRANKLIN & DELLA F. FRANKLIN	FEE	0.001	- - - -	0.001	- - - -
118	RPF TRUST	FEE	0.015	0.248	0.263	- - - -

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

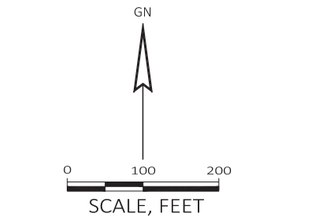
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5155-02-21 - 4.05
AMENDMENT NO. 1

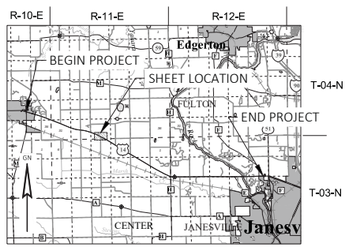
UTILITY EASEMENT INFORMATION			
UTILITY NO.	UTILITY	RECORDING INFORMATION	PARCEL(S)
200	AT&T WISCONSIN	V. 178, P. 548, DOC. NO. 692814	118
200	AT&T WISCONSIN	V. 46, P. 158, DOC. NO. 529528	16, 116, 17, & 117
200	AT&T WISCONSIN	CARD 486, IM., 486, DOC. NO. 1107877	16 & 116
200	AT&T WISCONSIN	CARD 446, IM. 949, DOC. NO. 1117624	17 & 117
200	AT&T WISCONSIN	CARD 488, IM. 125, DOC. NO. 1137480	17 & 117
200	AT&T WISCONSIN	V. 14, P. 474, DOC. NO. 249397	16, 116, 17, & 117
206	ROCK ENERGY COOP - ELECTRICITY	DOC. NO. 1417286	17 & 117
206	ROCK ENERGY COOP - ELECTRICITY	V. 1 OF R.E.A. EASEMENTS, P. 628, DOC. NO. 400955	16, 116, 17, 117, & 118

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
200	AT&T WISCONSIN	RELEASE OF RIGHTS
206	ROCK ENERGY COOP - ELECTRICITY	RELEASE OF RIGHTS

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
500-501	S61°44'43"E	42.33'
501-502	S28°07'20"W	17.16'
502-503	S61°21'25"E	294.18'
503-504 (R/L)	S00°35'22"E	38.50'
504 (R/L)-505	S00°35'22"E	37.25'
505-506	S00°35'22"E	19.36'
506-507	N61°21'25"W	254.30'
507-508	S63°11'12"W	1.99'
508-509	S63°11'12"W	29.78'
509-510	S00°38'12"E	84.36'
510-511 (S/L)	S89°21'48"W	35.00'
511 (S/L)-512	S89°21'48"W	33.00'
512-513	N00°38'12"W	154.69'
513-514	N61°52'40"W	44.87'
514-515	N28°07'20"E	15.08'
515-516	N61°55'23"W	203.98'
516-517 (R/L)	N28°04'46"E	33.01'
517 (R/L)-518	N28°04'46"E	49.99'
518-500	S61°55'23"E	232.71'





NOTES:

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

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

FOUND IRON PINS ARE ¾", UNLESS OTHERWISE NOTED.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

USH 14 ESTABLISHED FROM CSM 22-198, FELLOWS HICKORY RIDGE, AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

NORTH CURTIS DRIVE ESTABLISHED FROM FELLOWS HICKORY RIDGE.

NORTH FELLOWS ROAD FROM CSM 22-198, AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

ACCESS TO USH 14 IS RESTRICTED BY CONTROLLED-ACCESS PROJECT 5155-01-29 AND FELLOWS HICKORY RIDGE
PARCELS 16 AND 116 - DOC. NO. 1941717
PARCELS 17 AND 117 - DOC. NO. 1941612
PARCEL 118 - DOC. NO. 1941719

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 2138034 FOR ADDITIONAL INFORMATION.

I, CHRISTOPHER R. BADTKE, 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 WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT 5155-02-21-4.05 AMENDMENT NO. 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

CHRISTOPHER R. BADTKE — 10/04/2019 DATE
REGISTRATION NUMBER: S-3150

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION - MADISON.

CORY SCHLAGEL — DATE

AYRES ASSOCIATES

TRANSPORTATION PROJECT PLAT NO: 5155-02-21 - 4.07 - AMENDMENT NO. 3

ADDS PARCEL 121, REMOVES PARCELS 18 & 20, ADDS UTILITY NUMBERS 200 AND 208, REMOVES UTILITY NUMBER 202, REVISES THE EXISTING RIGHT OF WAY OF USH 14 AND N CASSIDY ROAD, CHANGES THE COORDINATE REFERENCE AND EDITS THE SECTION CORNERS OF SECTION 3, T03N, R11E FROM TPP 5155-02-21 - 4.07 RECORDED AS DOCUMENT NO. 2022982 AND REMOVES UTILITY NUMBER 207 FROM TPP 5155-02-21 - 4.07 - AMENDMENT NO. 2 RECORDED AS DOCUMENT NO. 2046896.

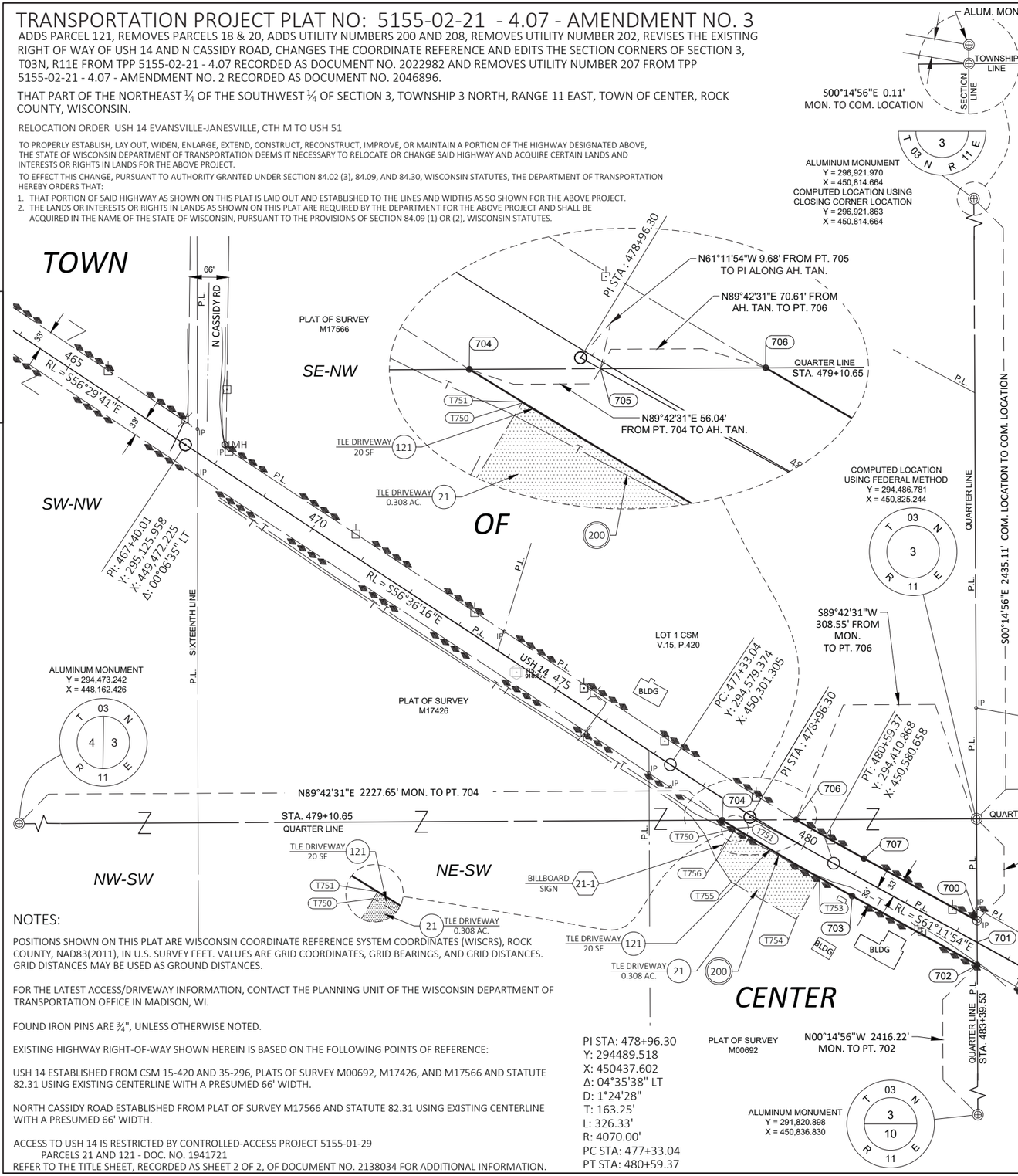
THAT PART OF THE NORTHEAST ¼ OF THE SOUTHWEST ¼ OF SECTION 3, TOWNSHIP 3 NORTH, RANGE 11 EAST, TOWN OF CENTER, ROCK COUNTY, WISCONSIN.

RELOCATION ORDER USH 14 EVANSVILLE-JANESVILLE, CTH M TO USH 51

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES NEW	R/W ACRES EXISTING	R/W ACRES TOTAL	TLE ACRES
21	JOSHUA L. WISER AND REBEKAH A. WISER BABCOK OUTDOOR ADVERTISING	TLE	----	----	----	0.308
121	JOSHUA L. WISER AND REBEKAH A. WISER BABCOK OUTDOOR ADVERTISING	TLE	----	----	----	20 SF

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5155-02-21 - 4.07
AMENDMENT NO. 3

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
200	AT&T WISCONSIN	RELEASE OF RIGHTS
208	NORTHERN NATURAL GAS	RELEASE OF RIGHTS

UTILITY EASEMENT INFORMATION

UTILITY NO.	UTILITY	RECORDING INFORMATION	PARCEL(S)
200	AT&T WISCONSIN	V. 46, P. 249, DOC. NO. 530230	21 & 121
200	AT&T WISCONSIN	CARD 427, IM. 496, DOC. NO. 1107882	21 & 121
200	AT&T WISCONSIN	CARD 501, IM. 252, DOC. NO. 1143478	21 & 121
208	NORTHERN NATURAL GAS	V. 62, P. 564, DOC. NO. 626392	21 & 121

R/W COURSE TABLE

COURSE	BEARING	DISTANCE
700-701 (R/L)	S00°14'56"E	36.73'
701 (R/L)-702	S00°14'56"E	38.80'
702-703	N61°09'46"W	244.29'
703-704	SEE CURVE TABLE	
704-705 (TAN)	N89°42'31"E	56.04'
705 (TAN)-706	N89°42'31"E	70.61'
706-707	SEE CURVE TABLE	
707-700	S61°09'46"E	220.55'

R/W CURVE TABLE

CURVE	LENGTH	RADIUS	LONG CHORD	LONG CHORD BEARING
703-704	257.36'	4944.28'	257.33'	N59°44'50"W
706-707	133.65'	4878.28'	133.65'	S60°18'07"E

R/W POINT STATION & OFFSET TABLE

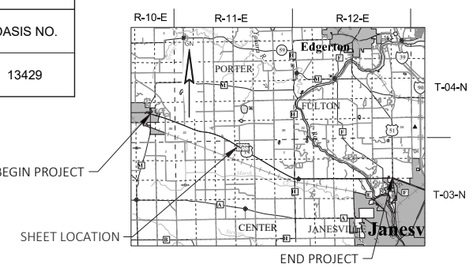
POINT	STATION	OFFSET
700	483+21.70	32.11' LT
702	483+58.37	33.92' RT
703	481+14.08	33.76' RT
704	478+58.35	32.25' RT
706	479+66.74	33.29' LT
707	481+01.14	32.24' LT

TLE POINTS STATION & OFFSET TABLE

POINT	STATION	OFFSET
T750	478+84.86	32.73' RT
T751	478+84.85	32.32' RT
T753	480+50.06	33.40' RT
T754	480+50.07	114.73' RT
T755	479+25.06	114.74' RT
T756	478+84.85	94.74' RT

SCHEDULE OF SIGN STRUCTURES

SIGN NUMBER	SIGN OWNER	OASIS NO.
21-1	BABCOCK OUTDOOR ADVERTISING, JOSHUA L. WISER AND REBEKAH A. WISER	13429



NOTES:

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

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

FOUND IRON PINS ARE ¾", UNLESS OTHERWISE NOTED.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

USH 14 ESTABLISHED FROM CSM 15-420 AND 35-296, PLATS OF SURVEY M00692, M17426, AND M17566 AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

NORTH CASSIDY ROAD ESTABLISHED FROM PLAT OF SURVEY M17566 AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

ACCESS TO USH 14 IS RESTRICTED BY CONTROLLED-ACCESS PROJECT 5155-01-29
PARCELS 21 AND 121 - DOC. NO. 1941721
REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 2138034 FOR ADDITIONAL INFORMATION.

I, CHRISTOPHER R. BADTKE, 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 WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT 5155-02-21-4.07 AMENDMENT NO. 3 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

CHRISTOPHER R. BADTKE — 10/04/2019
REGISTRATION NUMBER: S-3150 — DATE

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION - MADISON.

CORY SCHLAGEL — DATE

AVRES ASSOCIATES

TRANSPORTATION PROJECT PLAT NO: 5155-02-21 - 4.08 - AMENDMENT NO. 1

REMOVES PARCELS 22, 23, & 25, AMENDS PARCEL 24, REVISES THE EXISTING RIGHT OF WAY OF USH 14 & N EAGLE ROAD, AND CHANGES THE COORDINATE REFERENCE TO TRANSPORTATION PROJECT PLAT 5155-02-21-4.08 RECORDED AS DOCUMENT NO. 2022983

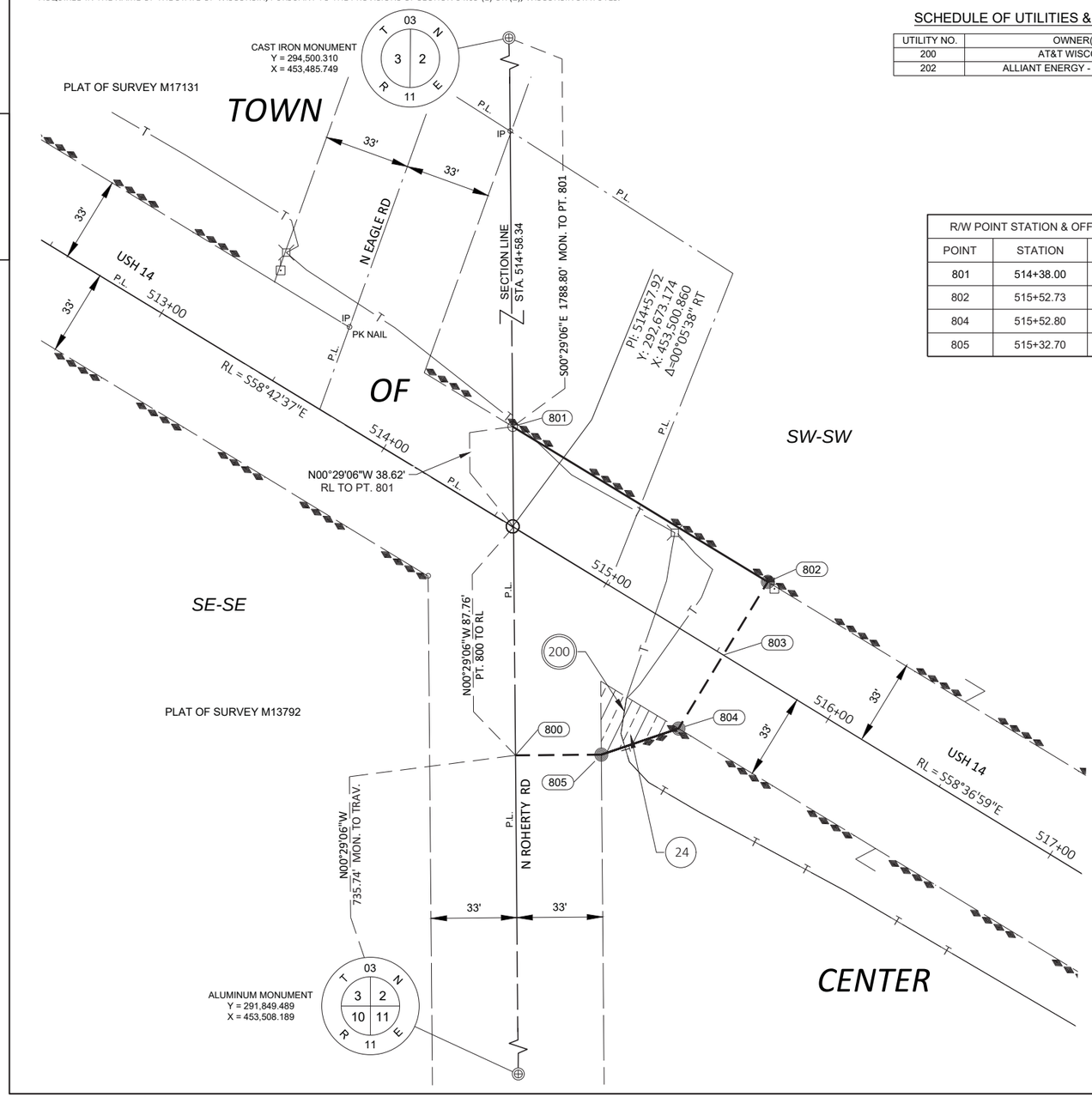
THAT PART OF THE SOUTHWEST ¼ OF THE SOUTHWEST ¼ OF SECTION 2, ALL IN TOWNSHIP 3 NORTH, RANGE 11 EAST, TOWN OF CENTER, ROCK COUNTY, WISCONSIN.

RELOCATION ORDER USH 14 EVANSVILLE-JANESVILLE, CTH M TO USH 51

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES			TLE ACRES
			NEW	EXISTING	TOTAL	
24	MARY JO LEEDER, AS TRUSTEE OF THE LEEDER GST FAMILY TRUST	FEE	0.010	0.134	0.144	------

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5155-02-21 - 4.08
AMENDMENT NO. 1

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
200	AT&T WISCONSIN	RELEASE OF RIGHTS
202	ALLIANT ENERGY - ELECTRICITY	RELEASE OF RIGHTS

UTILITY EASEMENT INFORMATION			
UTILITY NO.	UTILITY	RECORDING INFORMATION	PARCEL(S)
200	AT&T WISCONSIN	V. 46, P. 278, DOC. NO. 530561	24
202	ALLIANT ENERGY - ELECTRICITY	V. 23, P. 505, DOC. NO. 357506	24

R/W POINT STATION & OFFSET TABLE		
POINT	STATION	OFFSET
801	514+38.00	32.83' LT
802	515+52.73	32.91' LT
804	515+52.80	33.09' RT
805	515+32.70	57.10' RT

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
801-802	S58°40'30"E	114.78'
802-803 (R/L)	S31°19'30"W	32.91'
803 (R/L)-804	S31°19'30"W	33.09'
804-805	S71°18'27"W	31.31'
805-800	S89°30'54"W	33.01'

NOTES:

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

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

FOUND IRON PINS ARE ¾", UNLESS OTHERWISE NOTED.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

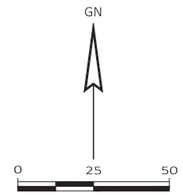
USH 14 ESTABLISHED FROM PLATS OF SURVEY M13792 AND M17131, AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

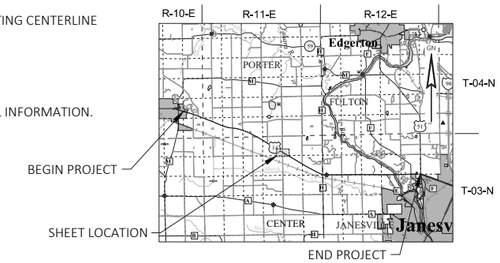
NORTH EAGLE ROAD ESTABLISHED FROM CSM 4-82, PLAT OF SURVEY M17131, AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

NORTH ROHERTY ROAD ESTABLISHED FROM PLAT OF SURVEY M13792 AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

ACCESS TO USH 14 IS RESTRICTED BY CONTROLLED-ACCESS PROJECT 5155-01-29
PARCELS 24 - DOC. NO. 1941728

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 2138034 FOR ADDITIONAL INFORMATION.





I, CHRISTOPHER R. BADTKE, 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 WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT 5155-02-21-4.08 AMENDMENT NO. 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

10/04/2019
CHRISTOPHER R. BADTKE — DATE
REGISTRATION NUMBER: S-3150

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION - MADISON.

CORY SCHLAGEL — DATE

AYRES ASSOCIATES

FILE NAME : V:\SURVEY\MD\74-0244.00 USH 14 HWY M TO 51\ROADWAY\C3D\SHEETSPLAN\5155-02-21\51550221_040108.DWG
PLOT DATE : 10/4/2019 10:33 AM PLOT BY : BADTKE, CHRISTOPHER PLOT NAME : PLOT SCALE : 1 IN:50 FT
APPRAISAL PLAT DATE : 10/04/2019

TRANSPORTATION PROJECT PLAT NO: 5155-02-21 - 4.10 - AMENDMENT NO. 2

AMENDS PARCEL 29 AND REVISES THE EXISTING RIGHT OF WAY OF USH 14 AND CTH H TO TRANSPORTATION PROJECT PLAT 5155-02-21-4.10 - AMENDMENT NO. 1 RECORDED AS DOCUMENT NO. 2042106 AND ADDS PARCELS 47, 128, 129, & 141, ADDS UTILITY NUMBERS 202 AND 203, AND CHANGES THE COORDINATE REFERENCE TO TRANSPORTATION PROJECT PLAT 5155-02-21-4.10 RECORDED AS DOCUMENT NO. 2022985

THAT PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 18 AND PART OF LOT 1 OF CSM #23-194 AND THE FRACTIONAL SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 7, ALL IN TOWNSHIP 3 NORTH, RANGE 12 EAST, TOWN OF JANESVILLE, AND THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 13 AND THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 12, TOWNSHIP 3 NORTH, RANGE 11 EAST, TOWN OF CENTER, ROCK COUNTY, WISCONSIN.

RELOCATION ORDER USH 14 EVANSVILLE-JANESVILLE, CTH M TO USH 51

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.

UTILITY EASEMENT INFORMATION			
UTILITY NO.	UTILITY	RECORDING INFORMATION	PARCEL(S)
200	AT&T WISCONSIN	V. 46, P.176, DOC. NO. 529537	28
200	AT&T WISCONSIN	NO EASEMENTS OF RECORD	29
202	ALLIANT ENERGY - ELECTRICITY	CARD 477, IMAGE 106, DOC. NO. 1132399	128
202	ALLIANT ENERGY - ELECTRICITY	CARD 477, IMAGE 108, DOC. NO. 1132400	141
202	ALLIANT ENERGY - ELECTRICITY	CARD 477, IMAGE 108, DOC. NO. 1132400	47
202	ALLIANT ENERGY - ELECTRICITY	CARD 477, IMAGE 343 - 345, DOC. NO. 1116298	-
203	ALLIANT ENERGY - GAS	NO EASEMENTS OF RECORD	29

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES			TLE ACRES
			NEW	EXISTING	TOTAL	
28	DONALD J. BEGGS & KAREN L. BEGGS	FEE	0.308	- - - -	0.308	- - - -
29	GAYLEN REILLY AND CAROL REILLY, VENDORS BRAD THOM AND JEANA THOM, VENDEES	FEE	0.015	0.109	0.124	- - - -
47	BRADLEY R. THOM	FEE	0.108	- - - -	0.108	- - - -
128	DONALD J. BEGGS & KAREN L. BEGGS	FEE	0.249	0.074	0.323	- - - -
129	GAYLEN REILLY AND CAROL REILLY, VENDORS BRAD THOM AND JEANA THOM, VENDEES	FEE	0.025	0.074	0.099	- - - -
141	KENNETH DIEHLS AND JOYCE E. DIEHLS, VENDORS BRADLEY R. THOM, VENDEE	FEE	0.064	- - - -	0.064	- - - -

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5155-02-21 - 4.10
AMENDMENT NO. 2

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
200	AT&T WISCONSIN	RELEASE OF RIGHTS
202	ALLIANT ENERGY - ELECTRICITY	RELEASE OF RIGHTS
203	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS

NOTES:

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

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

FOUND IRON PINS ARE ¾", UNLESS OTHERWISE NOTED.

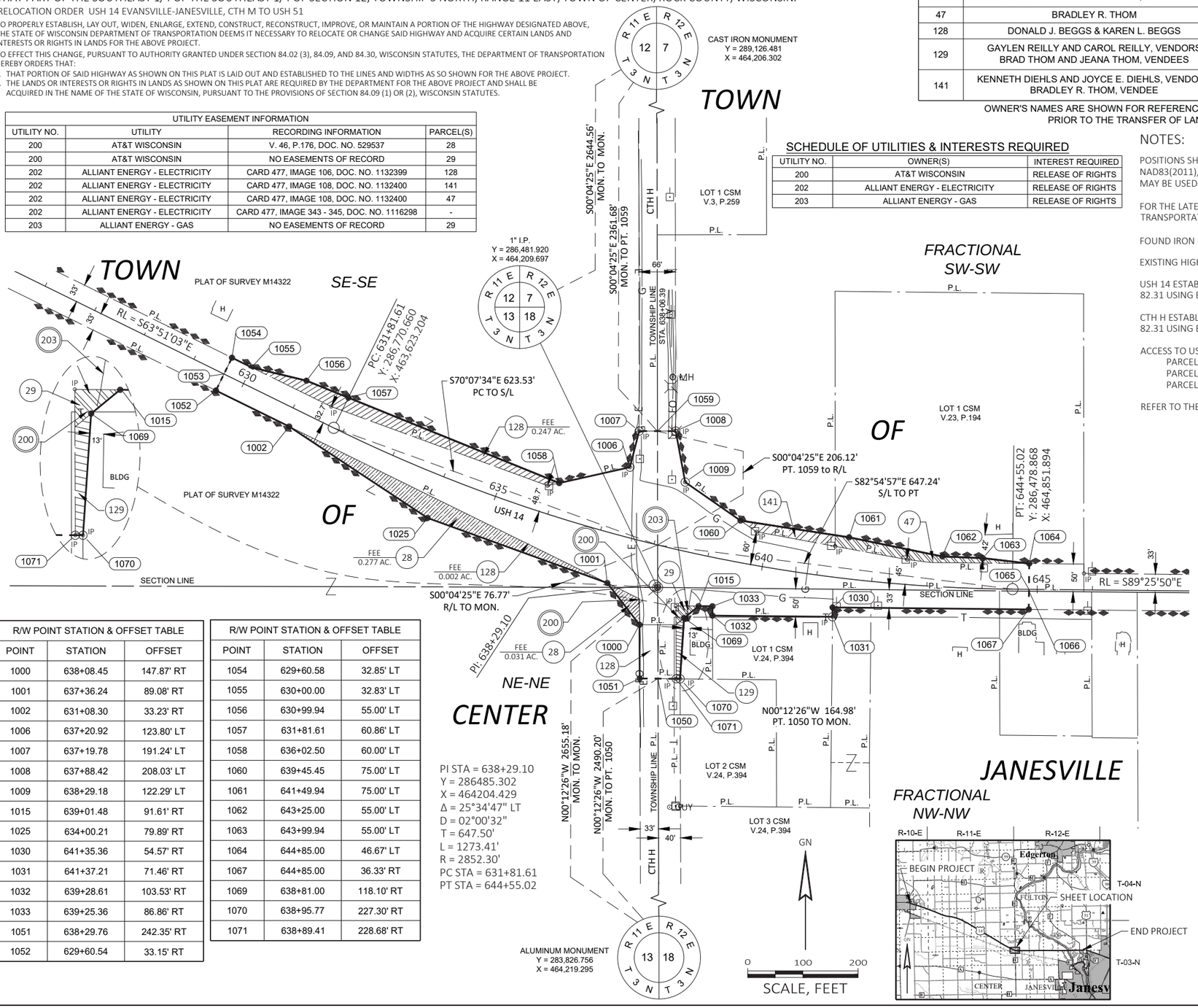
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

USH 14 ESTABLISHED FROM PREVIOUS PROJECT 5155-04-21, CSMs 23-194, 24-394, PLAT OF SURVEY M14322 AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

CTH H ESTABLISHED FROM PREVIOUS PROJECT 5155-04-21, CSMs 3-259, 24-394, PLAT OF SURVEY M14322, AND STATUTE 82.31 USING EXISTING TOWNSHIP LINE WITH A PRESUMED 66' WIDTH.

ACCESS TO USH 14 IS RESTRICTED BY CONTROLLED-ACCESS PROJECT 5155-01-29
PARCELS 28 & 128 - DOC. NO. 1941761
PARCELS 29 & 129 - DOC. NO. 1941766
PARCELS 41 & 47 - DOC. NO. 1941762

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. XXXXXXX FOR ADDITIONAL INFORMATION.



R/W POINT STATION & OFFSET TABLE		
POINT	STATION	OFFSET
1000	638+08.45	147.87' RT
1001	637+36.24	89.08' RT
1002	631+08.30	33.23' RT
1006	637+20.92	123.80' LT
1007	637+19.78	191.24' LT
1008	637+88.42	208.03' LT
1009	638+29.18	122.29' LT
1015	639+01.48	91.61' RT
1025	634+00.21	79.89' RT
1030	641+35.36	54.57' RT
1031	641+37.21	71.46' RT
1032	639+28.61	103.53' RT
1033	639+25.36	86.86' RT
1051	638+29.76	242.35' RT
1052	629+60.54	33.15' RT

R/W POINT STATION & OFFSET TABLE		
POINT	STATION	OFFSET
1054	629+60.58	32.85' LT
1055	630+00.00	32.83' LT
1056	630+99.94	55.00' LT
1057	631+81.61	60.86' LT
1058	636+02.50	60.00' LT
1060	639+45.45	75.00' LT
1061	641+49.94	75.00' LT
1062	643+25.00	55.00' LT
1063	643+99.94	55.00' LT
1064	644+85.00	46.67' LT
1067	644+85.00	36.33' RT
1069	638+81.00	118.10' RT
1070	638+95.77	227.30' RT
1071	638+89.41	228.68' RT

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
1050 (S/L)-1051	N89°25'27"W	33.00'
1051-1000	N00°12'25"W	97.19'
1000-1001	N37°42'16"W	95.45'
1001-1025	N70°05'48"W	345.91'
1025-1002	N56°34'15"W	300.23'
1002-1052	N63°49'10"W	147.76'
1052-1053 (R/L)	N26°10'50"E	33.15'
1053 (R/L)-1054	N26°10'50"E	32.85'
1054-1055	S63°49'10"E	39.42'
1055-1056	S76°21'40"E	102.37'
1056-1057	S67°57'20"E	81.88'
1057-1058	S67°57'31"E	411.61'
1058-1006	N77°24'07"E	131.15'
1006-1007	N14°25'00"E	67.45'
1007-1059 (S/L)	N89°55'05"E	33.00'
1059 (S/L)-1008	N89°55'05"E	33.00'
1008-1009	S10°34'38"E	93.94'
1009-1060	S55°10'57"E	121.79'

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
1060-1061	S81°14'54"E	199.07'
1061-1062	S78°23'40"E	172.21'
1062-1063	S87°34'20"E	73.55'
1063-1064	S83°24'34"E	84.40'
1064-1065 (R/L)	S00°34'10"W	46.67'
1065 (R/L)-1066 (S/L)	S00°34'10"W	3.33'
1066 (S/L)-1067	S00°34'10"W	33.00'
1067-1030	N89°25'49"W	355.08'
1030-1031	S00°34'33"W	17.00'
1031-1032	N89°25'49"W	217.33'
1032-1033	N00°11'32"W	17.00'
1033-1015	N89°25'49"W	25.06'
1015-1069	S50°36'27"W	33.97'
1069-1070	S03°47'25"W	110.32'
1070-1071	N89°25'27"W	7.00'
1071-1050 (S/L)	N89°25'27"W	33.00'

I, CHRISTOPHER R. BADTKE, 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 WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT 5155-02-21-4.10 AMENDMENT NO. 2 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN CHRISTOPHER R. BADTKE S-3150 EAU CLAIRE WI LAND SURVEYOR

CHRISTOPHER R. BADTKE — DATE 10/31/2019
REGISTRATION NUMBER: S-3150

AYRES ASSOCIATES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION - MADISON.

CORY SCHLAGEL — DATE

FILE NAME : V:\SURVEY\MD\74-0244.00 USH 14 HWY M TO 51\ROADWAY\C3D\SHEETSPLAN\5155-02-21\51550221_040110.DWG
PLOT DATE : 10/31/2019 9:16 AM PLOT BY : BADTKE, CHRISTOPHER PLOT NAME : PLOT SCALE : 1 IN:100 FT
APPRAISAL PLAT DATE : 10/31/2019

TRANSPORTATION PROJECT PLAT NO: 5155-02-21 - 4.15 - AMENDMENT NO. 4

ADDS PARCELS 139, 140, AND 142, ADDS SIGN PARCEL 142-1, REMOVES UTILITY NUMBER 206, ADDS UTILITY NUMBERS 200 AND 209, EDITS THE EXISTING RIGHT OF WAY FOR USH 14, CTH E, AND HACKBARTH ROAD, AND CHANGES THE COORDINATE REFERENCE TO TRANSPORTATION PROJECT PLAT 5155-02-21-4.15 RECORDED AS DOCUMENT NO. 2022990 AND ADDS UTILITY NUMBER 202 AND ADDS NORTH WEST RIVER TO TRANSPORTATION PROJECT PLAT 5155-02-21-4.15 - AMENDMENT NO. 3 RECORDED AS DOCUMENT NO. 2043009

THAT PART OF LOT 1 AND 2 OF CSM #34-5 IN GOV. LOT 2 OF SECTION 10 AND PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 15, ALL IN TOWNSHIP 3 NORTH, RANGE 12 EAST, TOWN OF JANESVILLE, ROCK COUNTY, WISCONSIN.

RELOCATION ORDER USH 14 EVANSVILLE-JANESVILLE, CTH M TO USH 51

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.

UTILITY EASEMENT INFORMATION			
UTILITY NO.	UTILITY	RECORDING INFORMATION	PARCEL(S)
200	AT&T WISCONSIN	V. 41 OF MISC., P. 435, DOC. NO. 503649	42
202	ALLIANT ENERGY - ELECTRICITY	NO EASEMENTS OF RECORD	42
202	ALLIANT ENERGY - ELECTRICITY (WISCONSIN RIVER POWER COMPANY)	V. 225, P. 615, DOC. NO. 300561	142
209	AMERICAN TRANSMISSION COMPANY	DOC. NO. 1422410 ASSIGNED TO AMERICAN TRANSMISSION COMPANY PER DOC. NO. 1533477	142

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES			TLE ACRES
			NEW	EXISTING	TOTAL	
39	WHILDEN D. HUGHES	TLE	-----	-----	-----	0.057
40	JULIANNE M. BURNS AND DAVID S. BURNS	TLE	-----	-----	-----	0.020
42	ELSIE M. REAMER, TRUSTEE OF ELSIE M. REAMER TRUST DATED JANUARY 23, 2003, AND ALL SUCCESSOR TRUSTEES, LAMAR ADVERTISING LLC.	FEE	0.211	-----	0.211	-----
139	WHILDEN D. HUGHES	TLE	-----	-----	-----	0.084
140	JULIANNE M. BURNS AND DAVID S. BURNS	TLE	-----	-----	-----	0.135
142	ELSIE M. REAMER, TRUSTEE OF ELSIE M. REAMER TRUST DATED JANUARY 23, 2003, AND ALL SUCCESSOR TRUSTEES, LAMAR ADVERTISING LLC.	FEE	0.369	0.797	1.166	-----

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

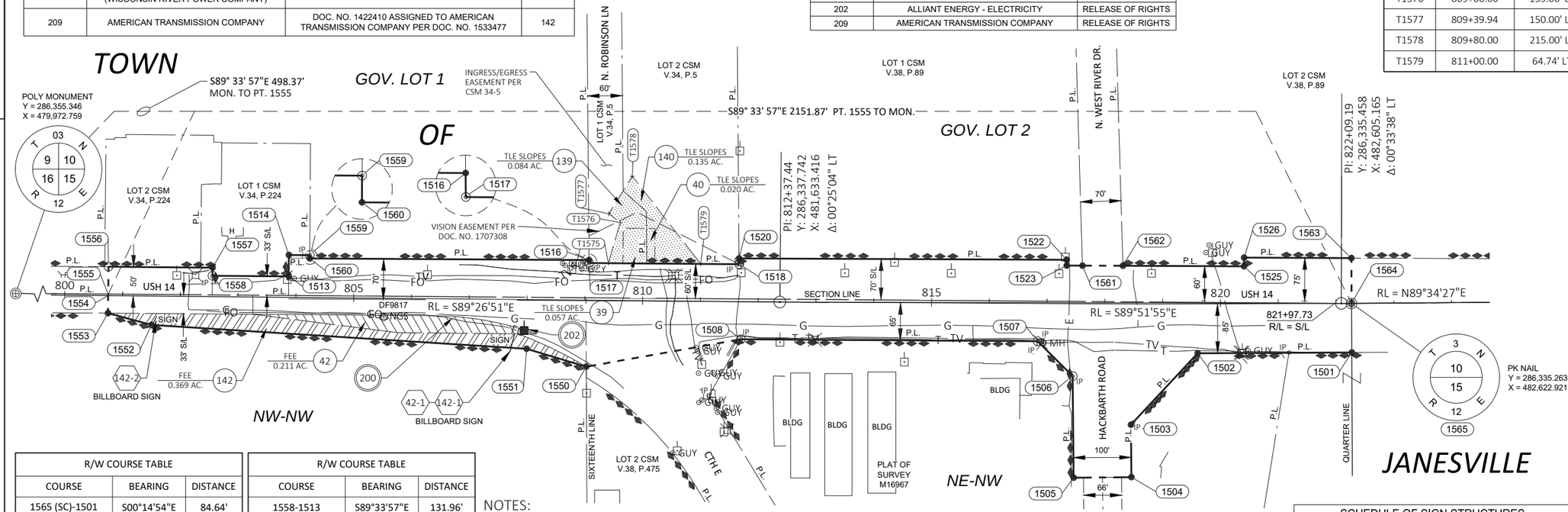
SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
200	AT&T WISCONSIN	RELEASE OF RIGHTS
202	ALLIANT ENERGY - ELECTRICITY	RELEASE OF RIGHTS
209	AMERICAN TRANSMISSION COMPANY	RELEASE OF RIGHTS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5155-02-21 - 4.15
AMENDMENT NO. 4

TLE POINTS STATION & OFFSET TABLE		
POINT	STATION	OFFSET
T1575	809+40.00	64.41' LT
T1576	809+60.00	135.00' LT
T1577	809+39.94	150.00' LT
T1578	809+80.00	215.00' LT
T1579	811+00.00	64.74' LT

R/W POINT STATION & OFFSET TABLE		
POINT	STATION	OFFSET
1501	822+26.62	84.96' RT
1502	819+60.64	86.76' RT
1503	818+45.45	210.65' RT
1504	818+46.54	301.42' RT
1505	817+46.55	302.62' RT
1506	817+44.43	126.83' RT
1507	816+83.73	66.60' RT
1508	811+70.77	65.01' RT
1513	803+87.10	36.26' LT
1514	803+87.02	73.26' LT
1516	809+06.52	69.53' LT
1517	809+06.61	64.34' LT
1518	811+66.32	64.88' LT
1520	811+66.14	74.87' LT
1522	817+33.69	74.34' LT
1523	817+33.67	64.34' LT
1525	820+40.67	63.78' LT
1526	820+40.70	78.78' LT
1550	809+03.49	114.96' RT
1551	808+00.00	85.00' RT
1552	801+50.43	50.00' RT
1553	800+75.00	30.38' RT
1556	800+75.00	49.91' LT
1557	802+55.14	49.98' LT
1558	802+55.14	35.99' LT
1559	804+23.10	73.49' LT
1560	804+23.11	67.56' LT
1561	817+60.95	64.28' LT
1562	818+30.99	64.16' LT
1563	822+27.13	78.26' LT
DF9817	805+52.22	32.32' RT



R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
1565 (SC)-1501	S00°14'54"E	84.64'
1501-1502	S89°42'27"W	266.81'
1502-1503	S43°03'21"W	169.16'
1503-1504	S00°33'15"E	90.81'
1504-1505	S89°27'46"W	100.00'
1505-1506	N00°33'15"W	175.81'
1506-1507	N45°05'38"W	85.51'
1507-1508	N89°38'01"W	513.44'
1508-1550	S79°57'37"W	271.91'
1550-1551	N73°16'55"W	107.75'
1551-1552	N86°21'47"W	650.51'
1552-1553	N74°52'18"W	77.94'
1553-1554 (R/L)	N00°33'09"E	30.38'
1554 (R/L)-1555 (S/L)	N00°33'09"E	2.62'
1555 (S/L)-1556	N00°33'09"E	47.29'
1556-1557	S89°28'12"E	180.14'
1557-1558	S00°31'48"W	13.99'

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
1558-1513	S89°33'57"E	131.96'
1513-1514	N00°25'32"E	37.00'
1514-1559	S89°33'57"E	36.08'
1559-1560	S00°25'32"W	5.78'
1560-1516	S89°40'51"E	483.40'
1516-1517	S00°27'53"E	5.19'
1517-1518	S89°33'57"E	259.71'
1518-1520	N00°27'53"W	10.00'
1520-1522	S89°45'34"E	567.00'
1522-1523	S00°14'26"W	10.00'
1523-1561	S89°45'34"E	27.28'
1561-1562	S89°45'34"E	70.04'
1562-1525	S89°45'34"E	209.68'
1525-1526	N00°14'26"E	15.00'
1526-1563	S89°45'34"E	185.67'
1563-1564 (R/L)	S00°14'54"E	78.26'
1564 (R/L)-1565 (SC)	S00°14'54"E	0.33'

SCHEDULE OF SIGN STRUCTURES

SIGN NUMBER	SIGN OWNER	OASIS NO.
42-1 142-1	LAMAR ADVERTISING LLC, ELSIE M. REAMER, TRUSTEE OF ELSIE M. REAMER TRUST DATED JANUARY 23, 2003, AND ALL SUCCESSOR TRUSTEES	13441
142-2	LAMAR ADVERTISING LLC, ELSIE M. REAMER, TRUSTEE OF ELSIE M. REAMER TRUST DATED JANUARY 23, 2003, AND ALL SUCCESSOR TRUSTEES	13440

NOTES:

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

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

FOUND IRON PINS ARE ¾", UNLESS OTHERWISE NOTED.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

USH 14 ESTABLISHED FROM PREVIOUS DIVISION JOB NO. 1767, CSMs 34-224, 34-5, 38-89, PLAT OF SURVEY M16967 AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

CTH E ESTABLISHED FROM PREVIOUS DIVISION JOB NO. 1767, CSMs 38-475 AND 37-235, PLAT OF SURVEY M16967, AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

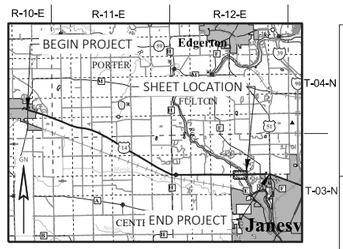
N. ROBINSON LANE ESTABLISHED FROM CSM 34-5.

N. WEST RIVER DR. ESTABLISHED FROM CSM 38-89.

HACKBARTH ROAD ESTABLISHED FROM PREVIOUS DIVISION JOB NO. 1767, PLAT OF SURVEY M16967 AND STATUTE 82.31 USING EXISTING CENTERLINE WITH A PRESUMED 66' WIDTH.

ACCESS TO USH 14 IS RESTRICTED BY CONTROLLED-ACCESS PROJECT CA 014-2(2)
PARCELS 39, 40, 139 AND 140 - DOC. NO. 1900735
PARCELS 42 AND 142 - DOC. NO. 1943661

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 2138034 FOR ADDITIONAL INFORMATION.



I, CHRISTOPHER R. BADTKE, 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 WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT 5155-02-21-4.15 AMENDMENT NO. 4 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

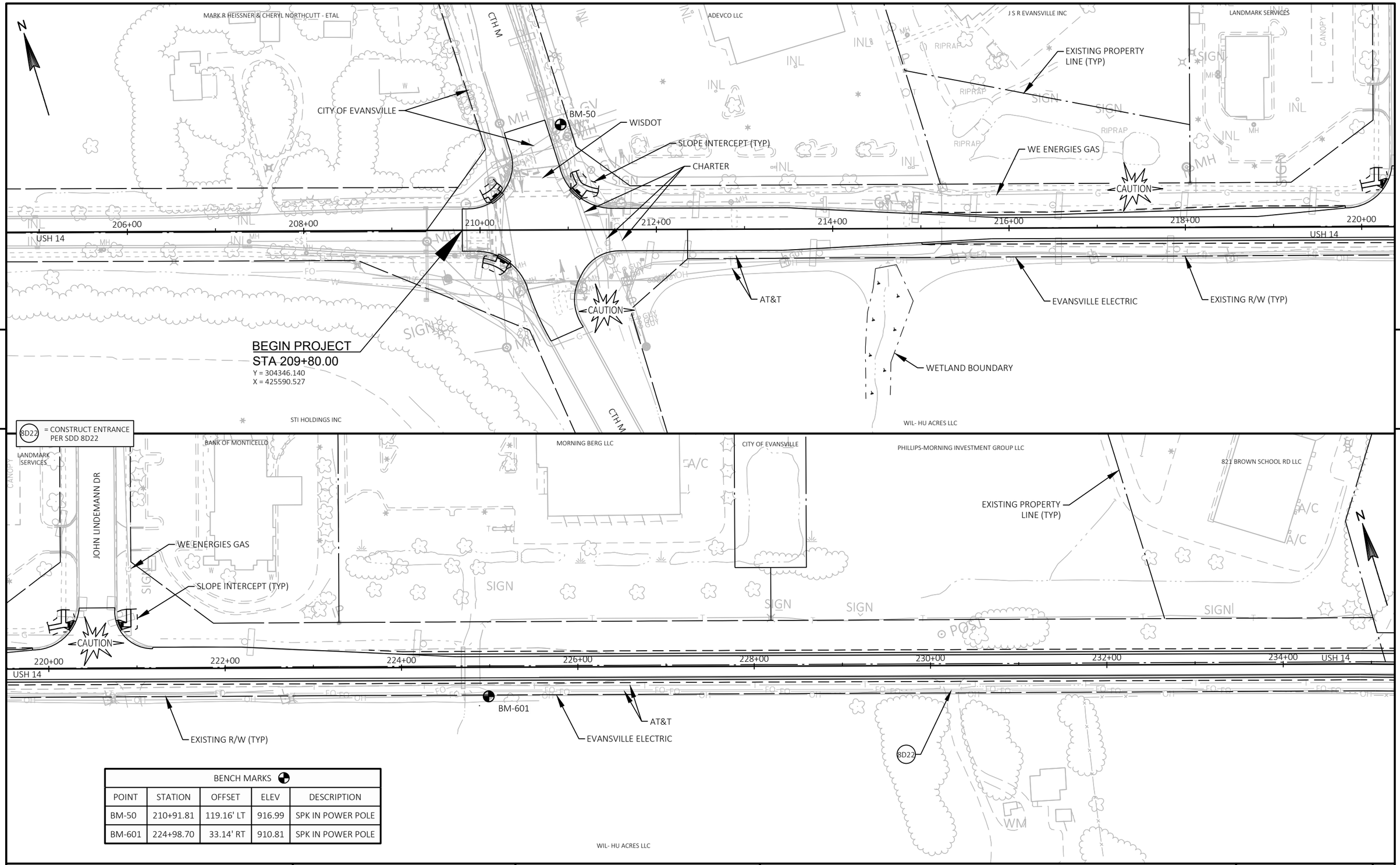
CHRISTOPHER R. BADTKE — 10/31/2019 DATE
REGISTRATION NUMBER: S-3150

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION - MADISON.

CORY SCHLAGEL — DATE

AYRES ASSOCIATES

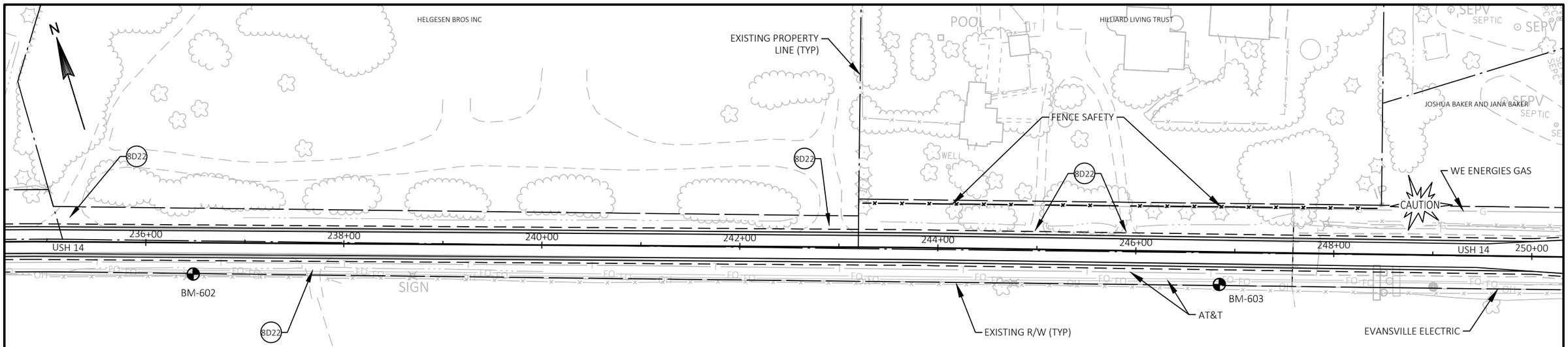
FILE NAME : V:\SURVEY\MD\74-0244.00 USH 14 HWY M TO 51\ROADWAY\C3D\SHEETSPLAN\5155-02-21\51550221_040115.DWG
PLOT DATE : 10/31/2019 10:23 AM PLOT BY : BADTKE, CHRISTOPHER PLOT NAME : PLOT SCALE : 1 IN:100 FT
APPRAISAL PLAT DATE : 10/31/2019



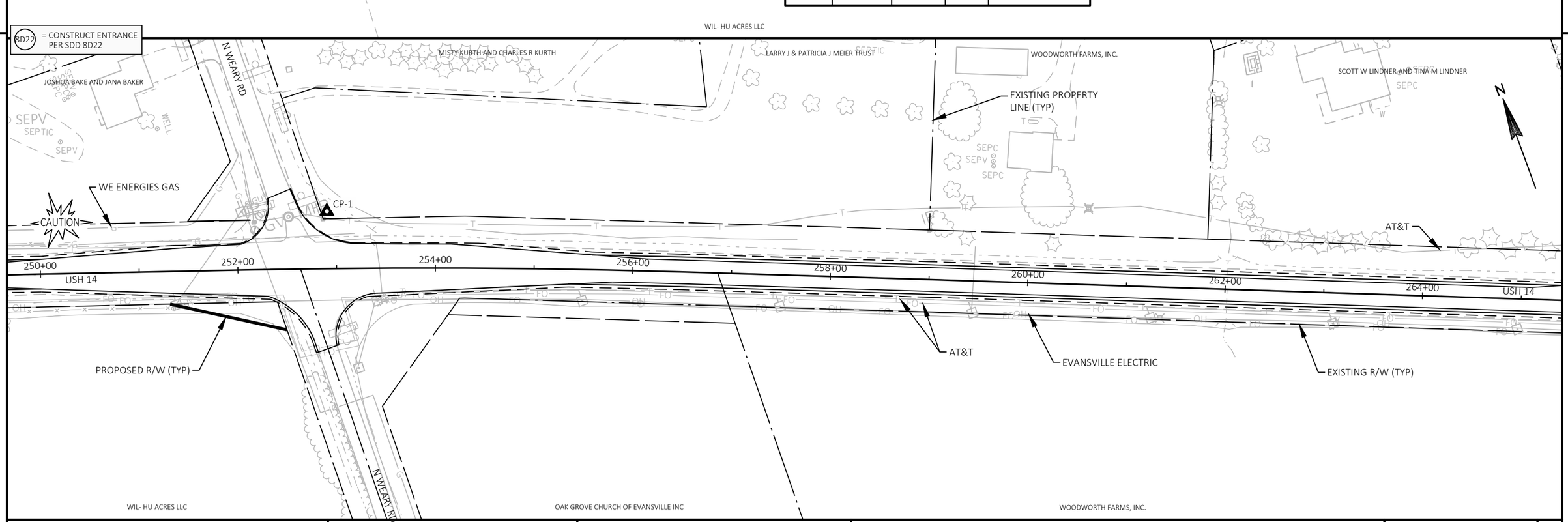
BENCH MARKS				
POINT	STATION	OFFSET	ELEV	DESCRIPTION
BM-50	210+91.81	119.16' LT	916.99	SPK IN POWER POLE
BM-601	224+98.70	33.14' RT	910.81	SPK IN POWER POLE

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 170	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 01
PLOT DATE : 3/12/2020 11:46 AM
PLOT BY : KRUEGER, KIRK
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

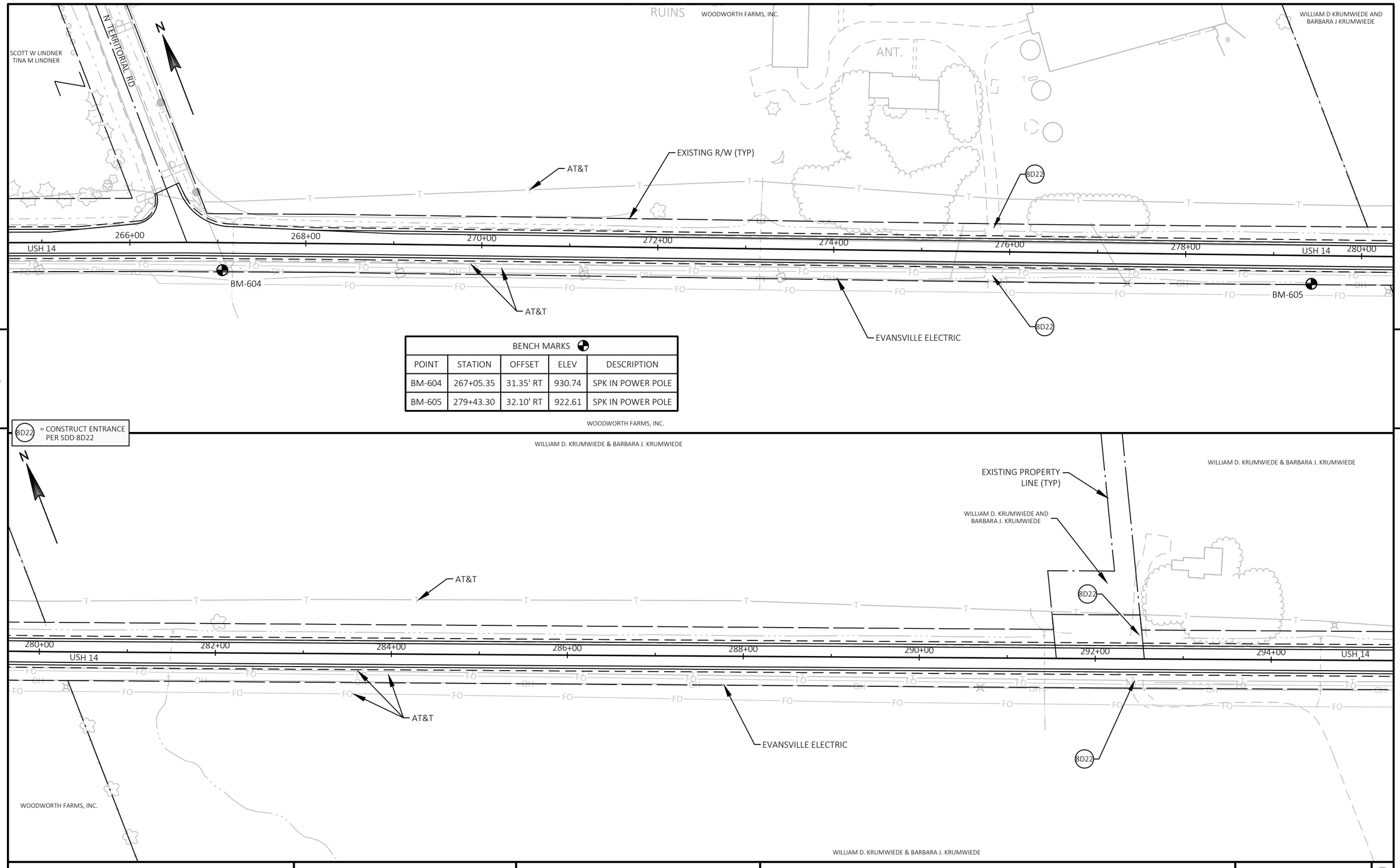


BENCH MARKS				
POINT	STATION	OFFSET	ELEV	DESCRIPTION
BM-602	236+48.05	31.71' RT	929.48	SPK IN POWER POLE
BM-603	246+84.70	32.80' RT	924.86	SPK IN POWER POLE



PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 171 E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 02
PLOT DATE : 3/12/2020 11:46 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT



BENCH MARKS				
POINT	STATION	OFFSET	ELEV	DESCRIPTION
BM-604	267+05.35	31.35' RT	930.74	SPK IN POWER POLE
BM-605	279+43.30	32.10' RT	922.61	SPK IN POWER POLE

8D22 = CONSTRUCT ENTRANCE PER SDD 8D22

5

5

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 172	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 03

PLOT DATE : 3/12/2020 11:55 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WILLIAM D. KRUMWIEDE & BARBARA J. KRUMWIEDE

JOHN B. CRULL

JOHN B. CRULL

EXISTING PROPERTY LINE (TYP)

CEMETERY

SEE TOLLES ROAD PLAN & PROFILE SHEET FOR ADDITIONAL INFORMATION

N TOLLES RD

SLOPE INTERCEPT

PROPOSED R/W (TYP)

EVANSVILLE ELECTRIC

CEMETERY

PROPOSED TLE (TYP)

FENCE SAFETY

CP-2

8D22

AT&T

SIGN

296+00 298+00 300+00 302+00 304+00 306+00 308+00 310+00

USH 14

USH 14

BM-606

AT&T

EXISTING R/W (TYP)

BENCH MARKS				
POINT	STATION	OFFSET	ELEV	DESCRIPTION
BM-606	296+60.28	31.82' RT	924.39	SPK IN POWER POLE
BM-607	320+99.11	31.60' LT	945.45	SPK IN POWER POLE

R & K & SONS FARMS, LLC

8D22 = CONSTRUCT ENTRANCE PER SDD 8D22

WILLIAM D. KRUMWIEDE & BARBARA J. KRUMWIEDE

JOHN B. CRULL

WILLIAM A TALLMAN AND JOY SCHUEPBACH

SLOPE INTERCEPT

8D22

SEPC SEPC SEPC SEPC SEPC

FLAG

SIGN

EVANSVILLE ELECTRIC

AT&T

BM-607

310+00 312+00 314+00 316+00 318+00 320+00 322+00 324+00

USH 14

8D22

AT&T

EXISTING R/W (TYP)

STA 311+14
CLOSE EXISTING 30"x18" RCBC
(PAID FOR AS "CLOSING CULVERT PIPES")

PROPOSED R/W (TYP)

R & K & SONS FARMS, LLC

930 930

STA 311+20
30" CPRC CL III REQ'D
2 - ENDWALLS REQ'D
20' LONG FULL DEPTH PATCH REQ'D

920 920

929.81 929.35 929.31 929.39 929.62 929.80 930.09

310+00 311+00 312+00 313+00

R & K & SONS FARMS, LLC

TIMOTHY L REED AND LA VONN M REED

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 173	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 04

PLOT DATE : 3/12/2020 11:48 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

WILLIAM A TALLMAN AND JOY SCHUEPBACH

PATRICIA IVERSON

TIMOTHY L REED AND LA VONN M REED

EXISTING PROPERTY LINE (TYP)

8D22

AT&T

EVANSVILLE ELECTRIC

BM-608

326+00 328+00 330+00 332+00 334+00 336+00 338+00 340+00

USH 14

EXISTING R/W (TYP)

AT&T

BENCH MARKS				
POINT	STATION	OFFSET	ELEV	DESCRIPTION
BM-608	338+38.61	32.13' LT	940.57	SPK IN POWER POLE
BM-609	352+10.20	31.35' LT	922.96	SPK IN POWER POLE

DOUDLAHS DIRT LLC

8D22 = CONSTRUCT ENTRANCE PER SDD 8D22

2019 EMERGENCY ASPHALT OVERLAY

TIMOTHY L REED AND LA VONN M REED

TIMOTHY L REED AND LA VONN M REED

TOMMY J WOODSTOCK

EVANSVILLE ELECTRIC

AT&T

BM-609

340+00 342+00 344+00 346+00 348+00 350+00 352+00 354+00

USH 14

STA. 354+49

EXISTING R/W (TYP)

AT&T

DOUDLAHS DIRT LLC

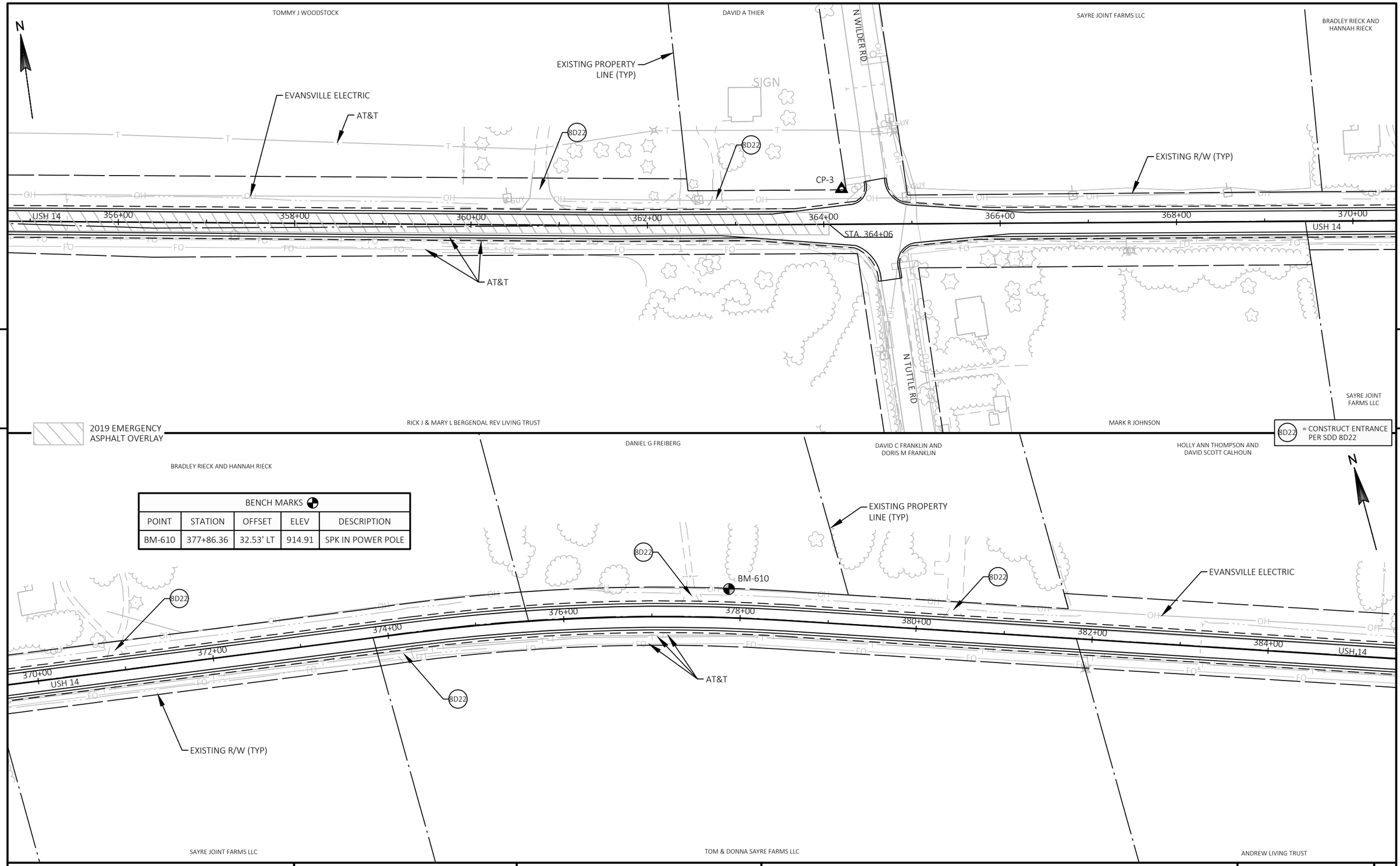
RICK J & MARY L BERGENDAL REV LIVING TRUST

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 174	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 05

PLOT DATE : 3/12/2020 11:48 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

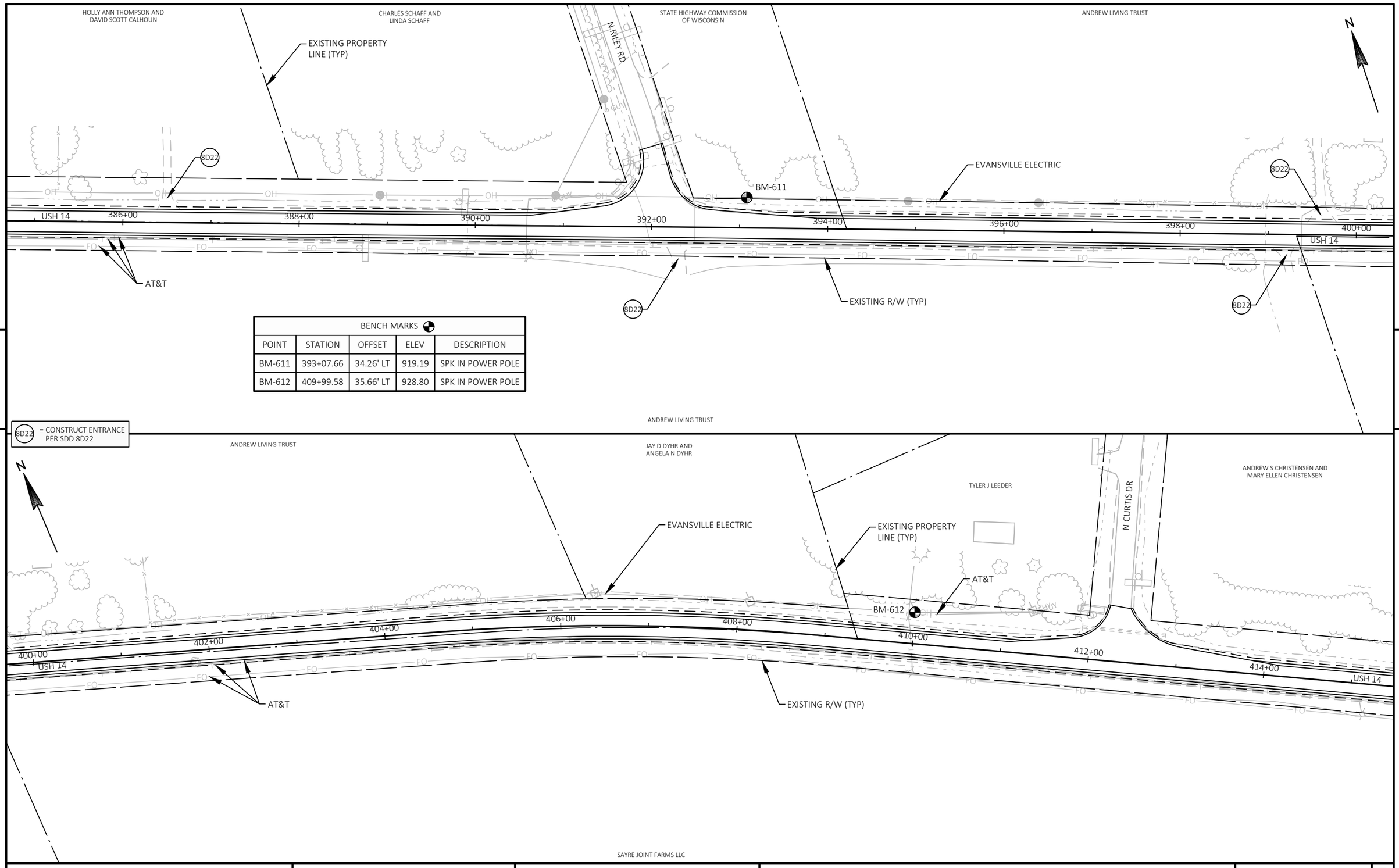


5 5

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 175	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050102_PP.DWG
LAYOUT NAME - 07

PLOT DATE : 1/28/2020 2:42 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT



BENCH MARKS				
POINT	STATION	OFFSET	ELEV	DESCRIPTION
BM-611	393+07.66	34.26' LT	919.19	SPK IN POWER POLE
BM-612	409+99.58	35.66' LT	928.80	SPK IN POWER POLE

8D22 = CONSTRUCT ENTRANCE PER SDD 8D22

5 5

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 176 E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050102_PP.DWG
LAYOUT NAME - 08

PLOT DATE : 1/28/2020 2:43 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

ANDREW S CHRISTENSEN AND MARY ELLEN CHRISTENSEN

BRADLEY K. SILLS AND CATHERINE E. SILLS

MICHAEL JOSEPH TESSMER

RPF TRUST

STA 421+31
EXISTING 30" CPRC TO REMAIN
EXTEND CL III 4' LT AND 6' RT
CONCRETE COLLARS PER SDD 8F4
REQ'D LT & RT
2 - ENDWALLS REQ'D

PROPOSED R/W (TYP)

SLOPE INTERCEPTS (TYP)

N

USH 14

416+00 418+00 420+00 422+00 424+00 426+00 428+00 430+00

USH 14

AT&T

PROPOSED TLE (TYP)

CP-4

EXISTING R/W (TYP)

ROCK ENERGY COOPERATIVE

EXISTING PROPERTY LINE (TYP)

N FELLOWS RD

RPF TRUST

5

5

8D22 = CONSTRUCT ENTRANCE PER SDD 8D22

SAYRE JOINT FARMS, LLC

GORDON FRANKLIN AND DELLA F. FRANKLIN

RPF TRUST

N

BENCH MARKS				
POINT	STATION	OFFSET	ELEV	DESCRIPTION
BM-613	436+77.05	31.73' LT	935.79	SPK IN POWER POLE

8D22

BM-613

ALLIANT ENERGY ELECTRIC

8D22

8D22

8D22

430+00 432+00 434+00 436+00 438+00 440+00 442+00 444+00

USH 14

AT&T

EXISTING R/W (TYP)

RPF TRUST

MARK L ARNESON AND MICHELLE M ARNESON

RPF TRUST

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 177	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050102_PP.DWG
LAYOUT NAME - 09

PLOT DATE : 1/28/2020 2:43 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

RPF TRUST

NEW DAY TRUST

RPF TRUST

MASSEY FAMILY REV TRUST

RPF TRUST

EXISTING PROPERTY LINE (TYP)

N

8D22

8D22

BM-614

ALLIANT ENERGY ELECTRIC

8D22

446+00

448+00

450+00

452+00

454+00

456+00

458+00

460+00

USH 14

USH 14

AT&T

STA. 453+23

EXISTING R/W (TYP)

8D22

BENCH MARKS				
POINT	STATION	OFFSET	ELEV	DESCRIPTION
BM-614	451+52.30	32.51' LT	925.96	SPK IN POWER POLE

RPF TRUST

RPF TRUST

KIMBERLY C ENGLER

2019 EMERGENCY ASPHALT OVERLAY

MARK R HILLYER AND CHERYL A HILLYER

8D22 = CONSTRUCT ENTRANCE PER SDD 8D22

N

N CASSIDY RD

EXISTING PROPERTY LINE (TYP)

8D22

ALLIANT ENERGY ELECTRIC

PAETEC/WINDSTREAM

ALLIANT ENERGY ELECTRIC

CP-5

STA. 461+91

462+00

460+00

464+00

466+00

468+00

470+00

472+00

474+00

USH 14

USH 14

AT&T

8D22

EXISTING R/W (TYP)

RPF TRUST

BRIAN L & RENEE M BJUGSTAD REVOCABLE TRUST

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 178	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050102_PP.DWG
LAYOUT NAME - 10

PLOT DATE : 1/28/2020 2:44 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

MARK R & CHERYL A HILLYER

ELLIOT SAMUEL- LAMM AND ELISABETH R ATWELL

THOMAS P KUNDERT AND APRIL R KUNDERT

EXISTING PROPERTY LINE (TYP)

8D22

ALLIANT ENERGY ELECTRIC

PAETEC/WINDSTREAM

EXISTING R/W (TYP)

BM-615

476+00 478+00 480+00 482+00 484+00 486+00 488+00 490+00

USH 14

STA. 486+54

SIGN

SIGN

11'PE'

12'PE'

AT&T

SLOPE INTERCEPT

PROPOSED TLE (TYP)

BRIAN L & RENEE M BJUGSTAD REVOCABLE TRUST

BRIAN L & RENEE M BJUGSTAD REVOCABLE TRUST

5

5

8D22 = CONSTRUCT ENTRANCE PER SDD 8D22

JOSHUA L WISER AND REBEKAH A WISER

THOMAS P KUNDERT AND APRIL R KUNDERT

KATHLEEN M K & ROBERT E HELGESEN TRUST

2019 EMERGENCY ASPHALT OVERLAY

TRN INVESTMENTS LLC

BENCH MARKS				
POINT	STATION	OFFSET	ELEV	DESCRIPTION
BM-615	482+75.16	27.50' LT	920.16	SPK IN POWER POLE
BM-616	497+19.47	31.87' LT	908.58	SPK IN POWER POLE

EXISTING PROPERTY LINE (TYP)

ALLIANT ENERGY ELECTRIC

8D22

CAUTION

PAETEC/WINDSTREAM

BM-616

490+00 492+00 494+00 496+00 498+00 500+00 502+00 504+00

USH 14

STA. 497+29

AT&T

EXISTING R/W (TYP)

NORTHERN NATURAL GAS COMPANY

BRIAN L & RENEE M BJUGSTAD REVOCABLE TRUST

DAVID A SCHNEBBE AND DARLENE K SCHNEBBE

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 179	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050102_PP.DWG
LAYOUT NAME - 11

PLOT DATE : 3/12/2020 12:42 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

TRN INVESTMENTS LLC

KATHLEEN M K & ROBERT E HELGESEN TRUST

LEEDER GST FAMILY TRUST

N EAGLE RD

WILLIAM T HOOKHAM

EXISTING PROPERTY LINE (TYP)

8D22

ALLIANT ENERGY ELECTRIC

PAETEC/WINDSTREAM

USH 14

506+00

508+00

510+00

512+00

514+00

STA. 513+61

516+00

518+00

520+00

CP-6

AT&T

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

N ROTHERTY RD

5

5

DAVID A SCHNEBBE AND DARLENE K SCHNEBBE

LEEDER GST FAMILY TRUST

CHERIE L RIPP

2019 EMERGENCY ASPHALT OVERLAY

8D22 = CONSTRUCT ENTRANCE PER SDD 8D22

BENCH MARKS				
POINT	STATION	OFFSET	ELEV	DESCRIPTION
BM-617	529+78.27	31.33' LT	905.58	SPK IN POWER POLE

ALLIANT ENERGY ELECTRIC

PAETEC/WINDSTREAM

BM-617

520+00

USH 14

522+00

524+00

526+00

528+00

530+00

532+00

534+00

AT&T

EXISTING R/W (TYP)

LEEDER GST FAMILY TRUST

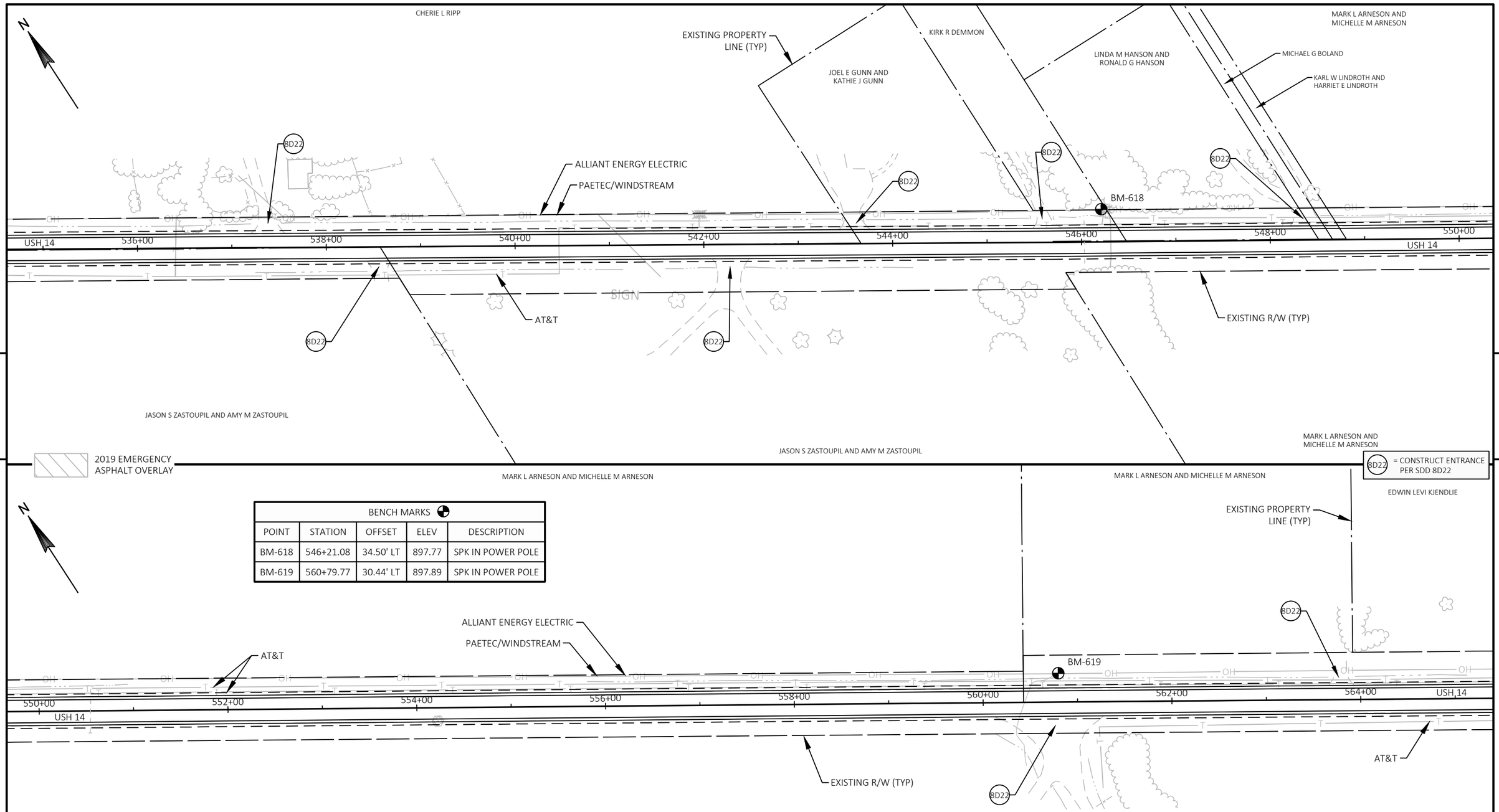
JASON S ZASTOUPIL AND AMY M ZASTOUPIL

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 180	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050103_PP.DWG
LAYOUT NAME - 12

PLOT DATE : 1/29/2020 7:41 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



BENCH MARKS				
POINT	STATION	OFFSET	ELEV	DESCRIPTION
BM-618	546+21.08	34.50' LT	897.77	SPK IN POWER POLE
BM-619	560+79.77	30.44' LT	897.89	SPK IN POWER POLE

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 181	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050103_PP.DWG
LAYOUT NAME - 13
PLOT DATE : 1/29/2020 7:42 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

EDWIN LEVI KJENDLIE

JON KROHN

GARY J JOHNSON AND JODI S JOHNSON

JEFFREY T ROE AND PAMELA K DURHAM - ETAL

RUTH A BEGGS REVOCABLE TRUST

N FOX RD

12 INCH HIGH PRESSURE GAS

CAUTION

N

EXISTING PROPERTY LINE (TYP)

AG

8D22

ALLIANT ENERGY ELECTRIC

PAETEC/WINDSTREAM

AT&T

CP-7

SIGN

USH 14

566+00

568+00

570+00

572+00

574+00

576+00

578+00

580+00

AT&T

EXISTING R/W (TYP)

5

MARK L ARNESON AND MICHELLE M ARNESON

FRANK J BARNES AND SUZANNE J GUILLIOM

ROGER REBOUT & SONS FARMS

FRED E WINGER AND WENDY S WINGER

REILLY FARMS LLC

2019 EMERGENCY ASPHALT OVERLAY

8D22 = CONSTRUCT ENTRANCE PER SDD 8D22

RUTH A BEGGS REVOCABLE TRUST

JAMES R BAKER AND TRIS J BAKER

REILLY FARMS LLC

BENCH MARKS				
POINT	STATION	OFFSET	ELEV	DESCRIPTION
BM-620	592+53.34	30.88' LT	891.03	SPK IN POWER POLE

EXISTING PROPERTY LINE (TYP)

BM-620

580+00

582+00

584+00

586+00

588+00

590+00

592+00

594+00

USH 14

STA 584+85

EXISTING R/W (TYP)

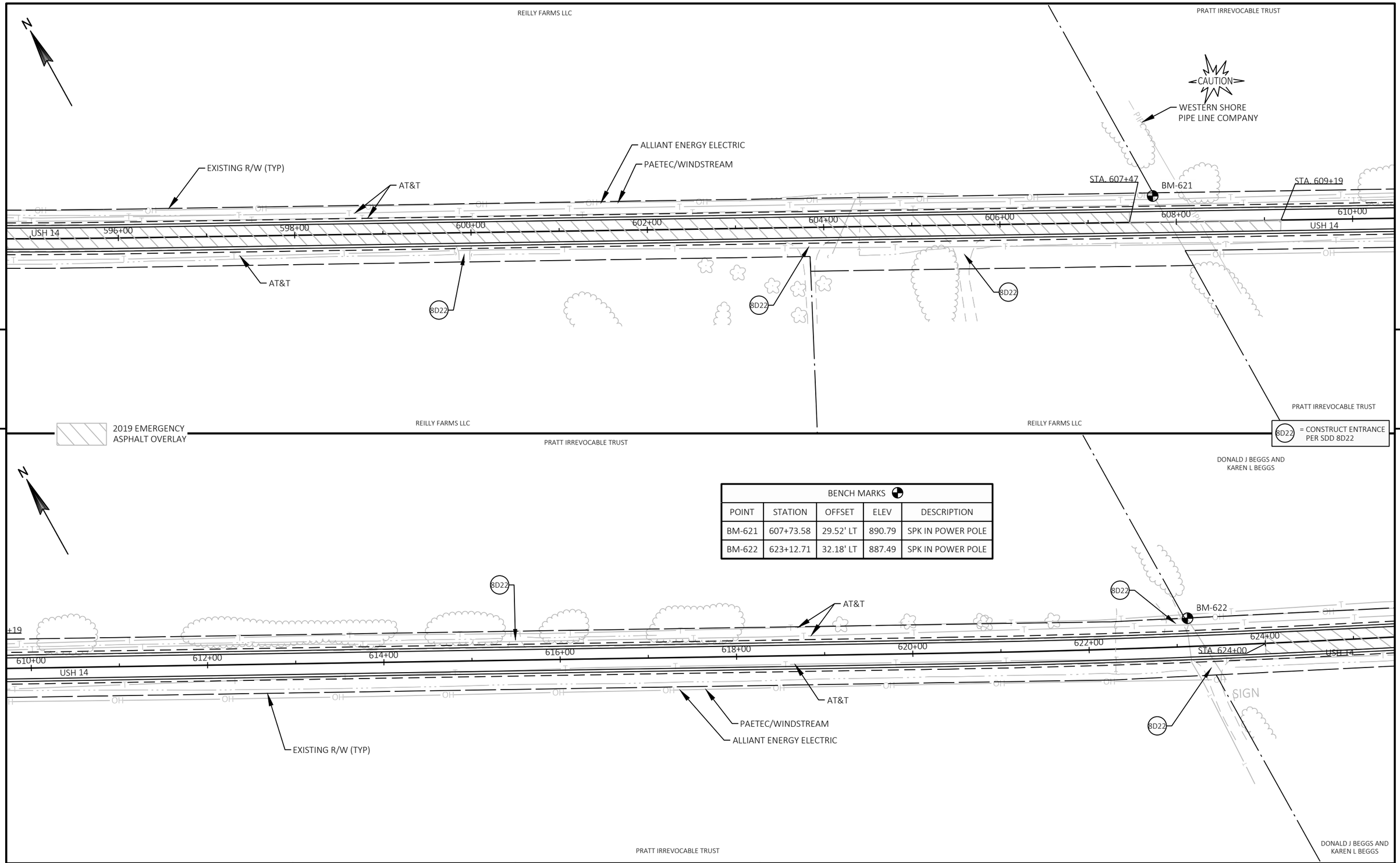
REILLY FARMS LLC

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 182	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050103_PP.DWG
LAYOUT NAME - 14

PLOT DATE : 1/29/2020 7:43 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 183	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050103_PP.DWG
LAYOUT NAME - 15

PLOT DATE : 1/29/2020 7:44 AM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

DONALD J. BEGGS AND KAREN L. BEGGS

KENNETH DIEHLS AND JOYCE E. DIEHLS, VENDORS
BRADLEY R. THOM, VENDEE

ALLIANT ENERGY ELECTRIC

SEE CTH H PLAN & PROFILE SHEET FOR ADDITIONAL INFORMATION

CTH H

CHARTER

CP-8

ALLIANT ENERGY GAS

CAUTION

ALLIANT ENERGY ELECTRIC

PAETEC/WINDSTREAM

SLOPE INTERCEPT (TYP)

PROPOSED R/W (TYP)

AT&T

8D22

8D21

STA. 631+19

626+00

628+00

630'WB'

630+00

632'WB'

632+00

634'WB'

634+00

636'WB'

636+00

638'WB'

638+00

640'WB'

640+00

USH 14

STA. 631+34

EXISTING R/W (TYP)

STA 633+92
EXISTING 24" CPRC TO REMAIN
EXTEND CLASS III 12' LT AND 6' RT
CONCRETE COLLARS PER SDD 8F4 REQ'D LT & RT
2 - ENDWALLS REQ'D

SHIRLEY SAUER

EXISTING PROPERTY LINE (TYP)

BRAD THOM AND JEANA THOM

MONUMENTED SECTION CORNER (SEE SPECIAL PROVISIONS)

ROCK ENERGY COOPERATIVE

5

5

2019 EMERGENCY ASPHALT OVERLAY

STA 629+50 LT
PE REQ'D

STA 631+25 LT
PE REQ'D
REMOVE 18" CPCS
1 - 18" CP CLASS III-A REQ'D
2 - 6:1 SLOPE STEEL ENDWALLS REQ'D

DONALD J. BEGGS AND KAREN L. BEGGS

KENNETH DIEHLS AND JOYCE E DIEHLS

8D21 = CONSTRUCT ENTRANCE PER SDD 8D21

8D22 = CONSTRUCT ENTRANCE PER SDD 8D22

BRADLEY R THOM

BRADLEY R. THOM

KENNETH DIEHLS AND JOYCE E. DIEHLS, VENDORS
BRADLEY R. THOM, VENDEE

BRADLEY R. THOM

BENCH MARKS				
POINT	STATION	OFFSET	ELEV	DESCRIPTION
BM-624	648+26.90	30.83' LT	897.85	SPK IN POWER POLE

SLOPE INTERCEPT (TYP)

EXISTING PROPERTY LINE (TYP)

SAVE TREE

PROPOSED R/W (TYP)

ALLIANT ENERGY ELECTRIC

PAETEC/WINDSTREAM

CHARTER

AT&T

BM-624

USH 14
640'WB'

640+00

642'WB'

642+00

644'WB'

644+00

646'WB'

646+00

648+00

650+00

652+00

654+00

USH 14

CAUTION

STA. 641+50

STA. 646+31

STA. 649+60

EXISTING R/W (TYP)

ALLIANT ENERGY GAS

AT&T

SHIRLEY SAUER

GAYLEN REILLY AND CAROL REILLY

GAYLEN REILLY

STA 643+50 LT
PE REQ'D
REMOVE 18" CPCS
1 - 18" CP CLASS III-A REQ'D
2 - 6:1 SLOPE STEEL ENDWALLS REQ'D

MIC-MAN PROPERTIES, LLC

NICHOLAS REESE

ENTERPRISE TERMINALS & STORAGE LLC

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 184	E

KENNETH DIEHLS AND JOYCE E DIEHLS

TAMARA S LUND

KENNETH DIEHLS AND JOYCE E DIEHLS

N

EXISTING PROPERTY LINE (TYP)

ALLIANT ENERGY ELECTRIC

PAETEC/WINDSTREAM

CHARTER

AT&T

8D22

BM-625

8D22

656+00

658+00

660+00

662+00

664+00

666+00

668+00

670+00

USH 14

CAUTION

AT&T

ALLIANT ENERGY GAS

8D22

EXISTING R/W (TYP)

MONUMENTED SECTION CORNER (SEE SPECIAL PROVISIONS)

N POLZIN RD

USH 14

CAUTION

5

5

ENTERPRISE TERMINALS & STORAGE LLC

NGL SUPPLY TERMINAL CO

REILLY FARMS LLC

NEAL J SCHNEIDER

8D22 = CONSTRUCT ENTRANCE PER SDD 8D22

KENNETH DIEHLS AND JOYCE E DIEHLS

N

BENCH MARKS				
POINT	STATION	OFFSET	ELEV	DESCRIPTION
BM-625	662+76.94	31.98' LT	899.41	SPK IN POWER POLE
BM-626	676+00.04	30.65' LT	883.97	SPK IN POWER POLE

ATC

CAUTION

EXISTING R/W (TYP)

ALLIANT ENERGY ELECTRIC

PAETEC/WINDSTREAM

CHARTER

AT&T

BM-626

670+00

672+00

674+00

676+00

678+00

680+00

682+00

684+00

USH 14

CAUTION

AT&T

ALLIANT ENERGY GAS

8D22

8D22

CAUTION

USH 14

CP-409

EXISTING PROPERTY LINE (TYP)

NEAL J SCHNEIDER

GAYLEN J REILLY AND CAROL A REILLY

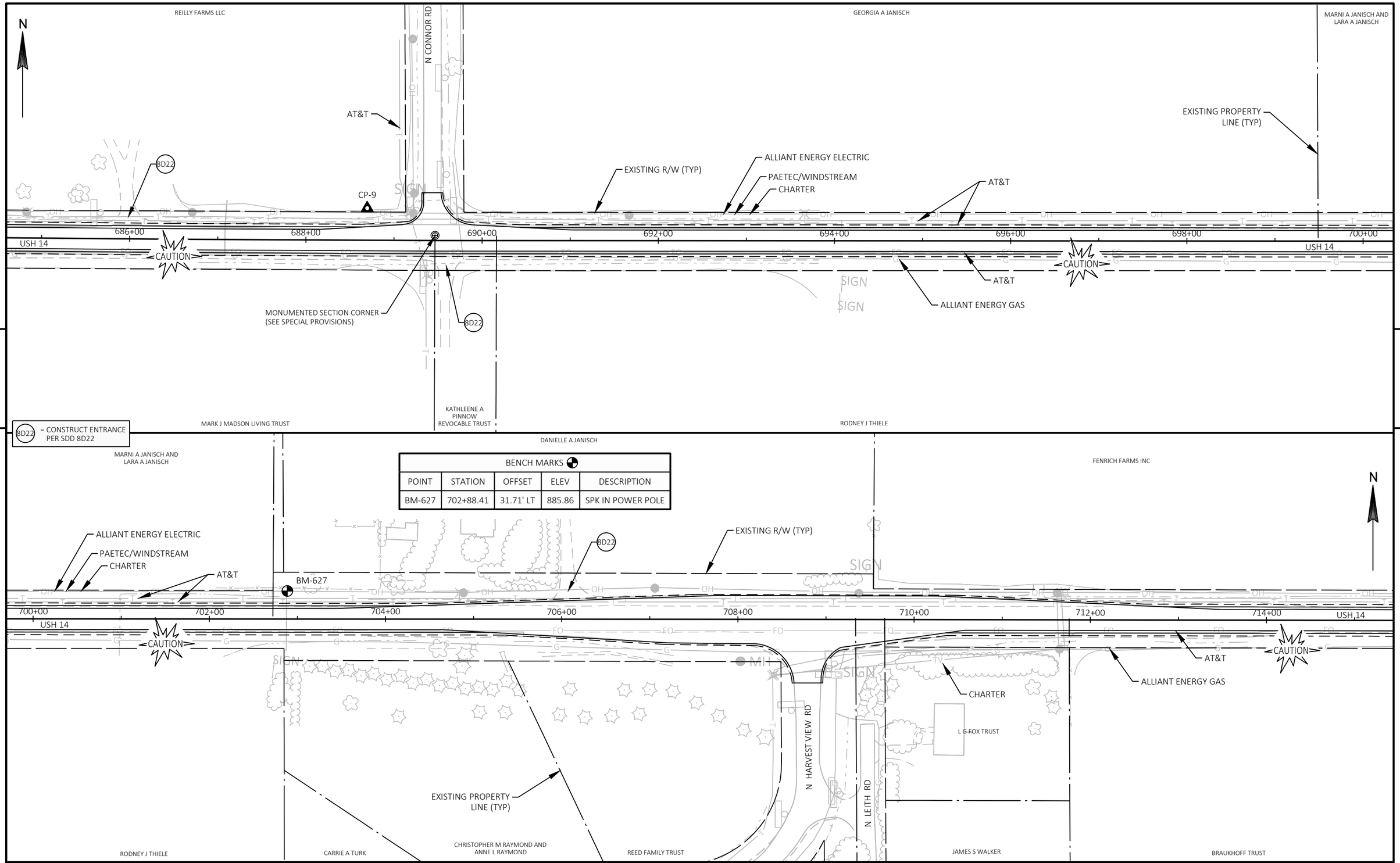
MADSON LIVING TRUST

MARK J MADSON LIVING TRUST

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 185	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050104_PP.DWG
LAYOUT NAME - 18

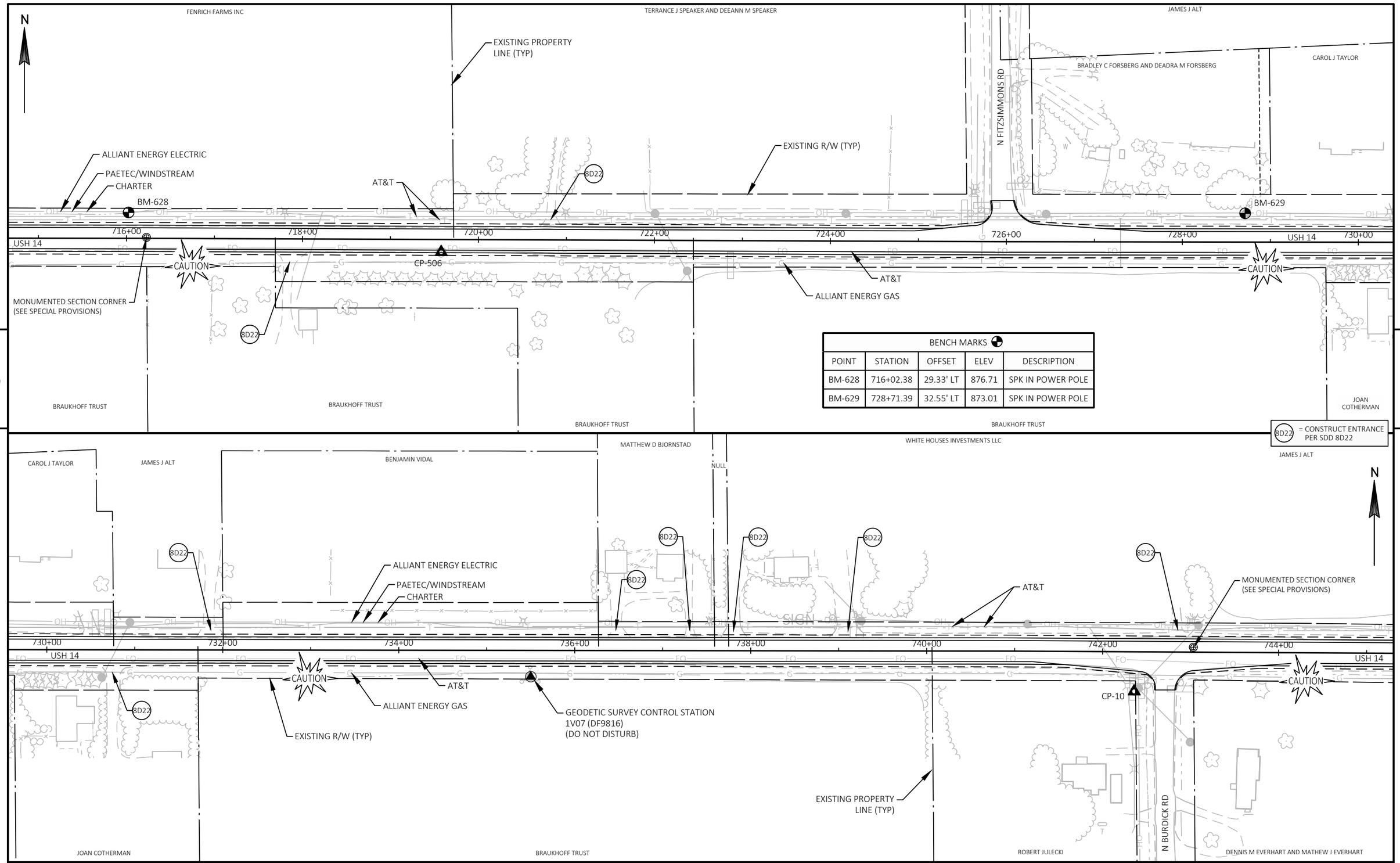
PLOT DATE : 3/12/2020 1:08 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 186	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050104_PP.DWG
LAYOUT NAME - 19

PLOT DATE : 3/12/2020 1:09 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT



5

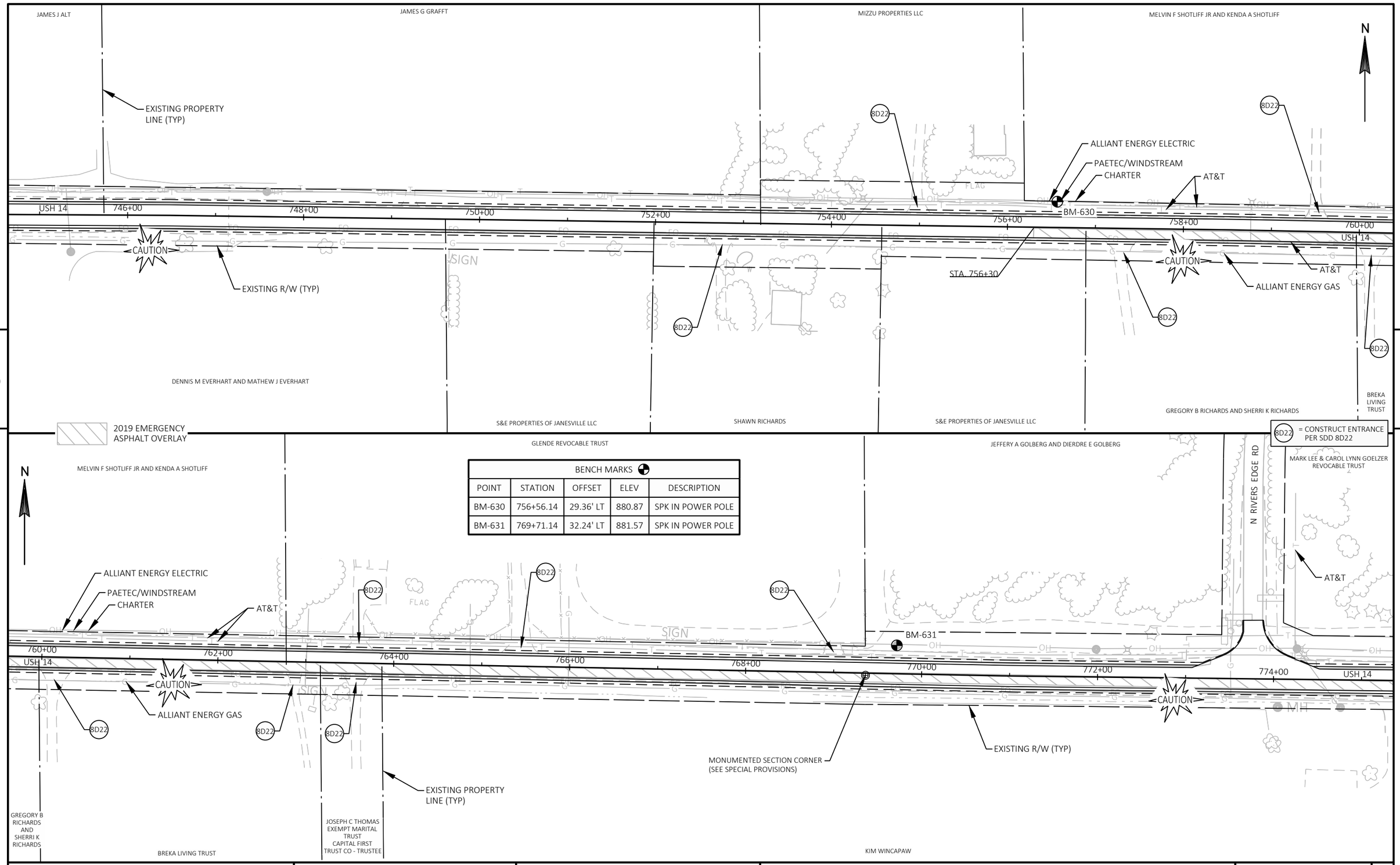
5

BENCH MARKS				
POINT	STATION	OFFSET	ELEV	DESCRIPTION
BM-628	716+02.38	29.33' LT	876.71	SPK IN POWER POLE
BM-629	728+71.39	32.55' LT	873.01	SPK IN POWER POLE

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 187 E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050104_PP.DWG
LAYOUT NAME - 20

PLOT DATE : 3/12/2020 1:09 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

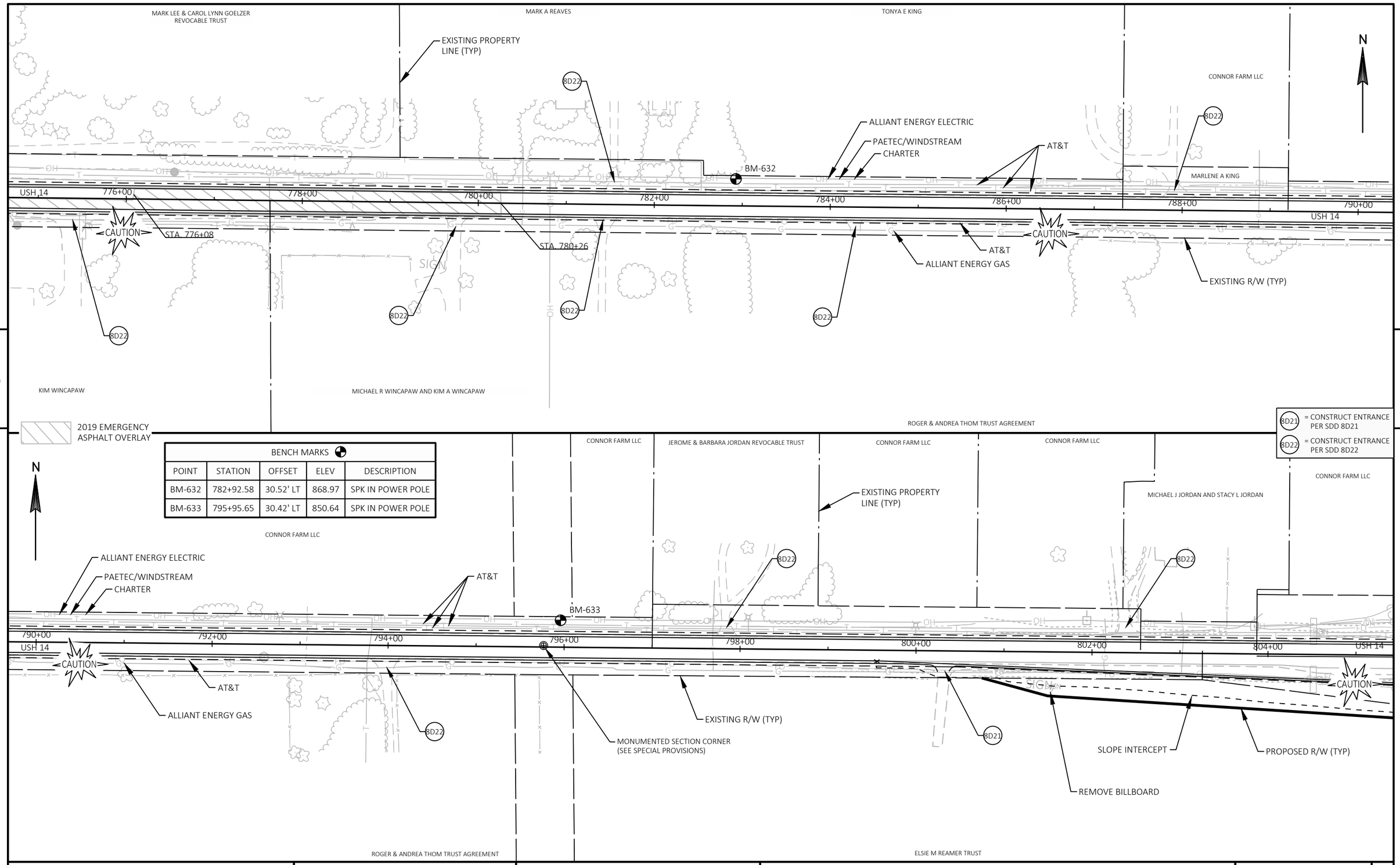


PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 188	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050104_PP.DWG
LAYOUT NAME - 21

PLOT DATE : 3/12/2020 1:10 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



2019 EMERGENCY ASPHALT OVERLAY

BENCH MARKS				
POINT	STATION	OFFSET	ELEV	DESCRIPTION
BM-632	782+92.58	30.52' LT	868.97	SPK IN POWER POLE
BM-633	795+95.65	30.42' LT	850.64	SPK IN POWER POLE

8D21 = CONSTRUCT ENTRANCE PER SDD 8D21

8D22 = CONSTRUCT ENTRANCE PER SDD 8D22

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 189	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050104_PP.DWG
LAYOUT NAME - 22

PLOT DATE : 3/12/2020 1:11 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

CONNOR FARM LLC

WHILDEN D. HUGHES

JULIANNE M. BURNS AND DAVID S. BURNS

FOX LLC

ABC NORTH RIVER HILLS LLC

N

N ROBINSON LN

SEE ROBINSON LANE PLAN & PROFILE SHEET FOR ADDITIONAL INFORMATION

PROPOSED TLE (TYP)

EXISTING PROPERTY LINE (TYP)

ATC / ALLIANT ENERGY ELECTRIC

ALLIANT ENERGY ELECTRIC

PAETEC/WINDSTREAM

AT&T

ALLIANT ENERGY ELECTRIC

SLOPE INTERCEPT (TYP)

BM-635

CAUTION

STA. 813+00

806+00 808+00 810+00 812+00 814+00 816+00 818+00 820+00

USH 14

USH 14

CAUTION

CAUTION

GEODETIC SURVEY CONTROL STATION
JANESVILLE C GPS (DF9817)
(SEE SPECIAL PROVISIONS)

AT&T

ALLIANT ENERGY GAS

AT&T

CHARTER

REMOVE BILLBOARD

PROPOSED R/W (TYP)

EXISTING R/W (TYP)

STA 813+78
EXISTING 24" CPRC TO REMAIN
EXTEND CLASS III 6' LT AND 6' RT
CONCRETE COLLARS PER SDD 8F4 REQ'D LT & RT
2 - ENDWALLS REQ'D

ATC

CAUTION

CTH E

SEE CTH E PLAN & PROFILE SHEET FOR ADDITIONAL INFORMATION

N HACKBARTH RD

ELSIE M REAMER TRUST

204+20.47
-4.77'

TCX SERVICES LLC

FOX LLC

TIMOTHY W. BROOKS

2019 EMERGENCY ASPHALT OVERLAY

8D22 = CONSTRUCT ENTRANCE PER SDD 8D22

ERICK P HOAG AND AMY P HOAG

TOWN OF JANESVILLE

BENCH MARKS				
POINT	STATION	OFFSET	ELEV	DESCRIPTION
BM-635	817+30.84	78.42' LT	831.79	SPK IN POWER POLE

ROCK RIVER

N

ATC / ALLIANT ENERGY ELECTRIC

ALLIANT ENERGY ELECTRIC

EXISTING R/W (TYP)

PAETEC/WINDSTREAM

8D22

WETLAND BOUNDARY (TYP)

ROCK RIVER

EXISTING STRUCTURE B-53-906
CONCRETE REPAIR, PAINTING, AND
DECK SEALING REQ'D

STA. 829+45

STA. 834+24

820+00 822+00 824+00 826+00 828+00 830+00 832+00 834+00

USH 14

USH 14

CAUTION

CAUTION

AT&T

CHARTER

SLOPE INTERCEPT (TYP)

ALLIANT ENERGY GAS

MONUMENTED SECTION CORNER
(SEE SPECIAL PROVISIONS)

W RIVER DR

ROCK RIVER

EXISTING PROPERTY LINE (TYP)

TIMOTHY W. BROOKS

BRUCE SCHNEIDER

BRUCE A SCHNEIDER AND CATHY A SCHNEIDER

BRUCE SCHNEIDER

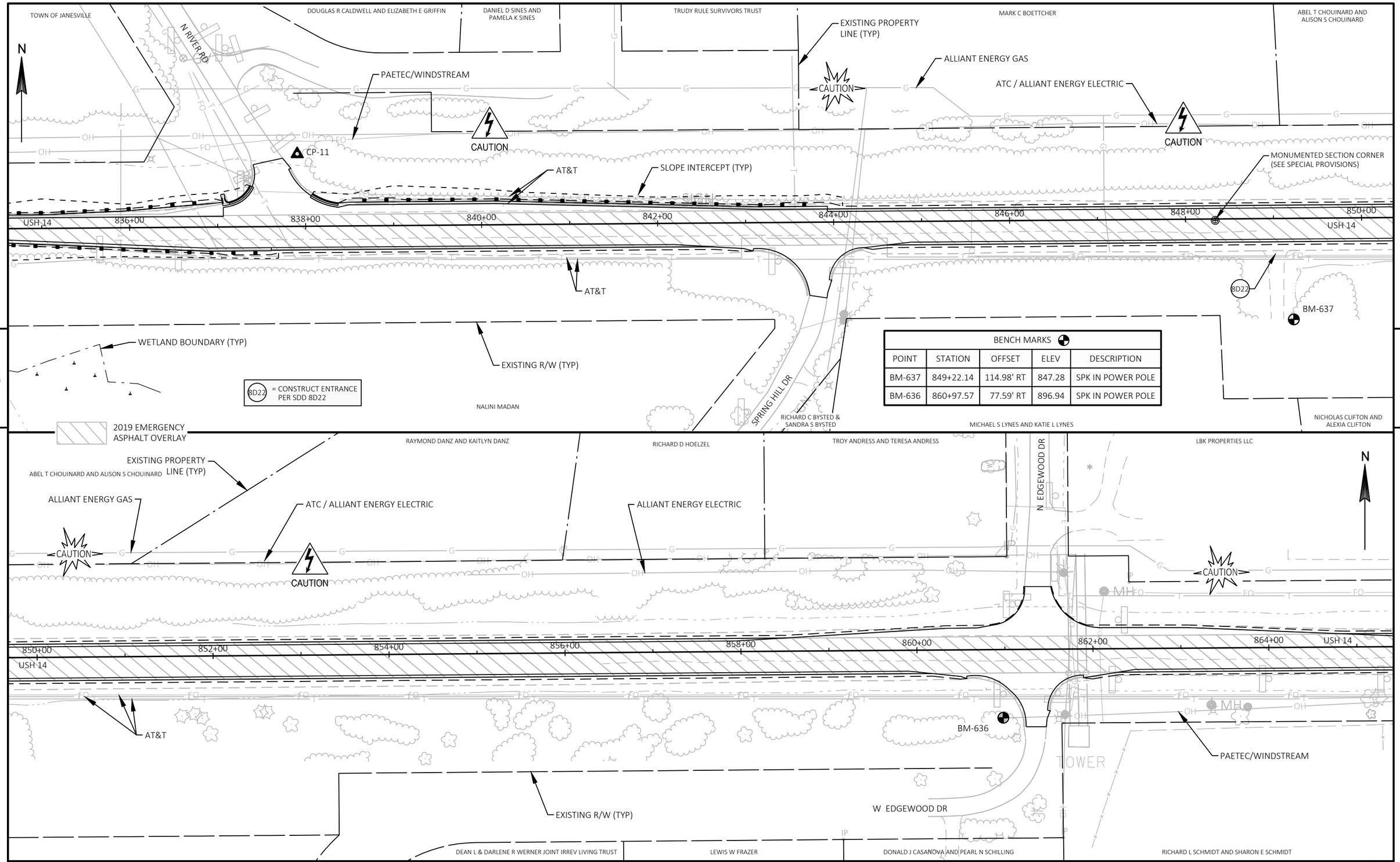
NALINI MADAN

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 190	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050105_PP.DWG
LAYOUT NAME - 24

PLOT DATE : 3/12/2020 2:05 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



BENCH MARKS				
POINT	STATION	OFFSET	ELEV	DESCRIPTION
BM-637	849+22.14	114.98' RT	847.28	SPK IN POWER POLE
BM-636	860+97.57	77.59' RT	896.94	SPK IN POWER POLE

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 191 E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050105_PP.DWG
LAYOUT NAME - 25
PLOT DATE : 3/12/2020 2:05 PM
PLOT BY : KRUEGER, KIRK
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

LBK PROPERTIES LLC

T&D INVESTMENT JANESVILLE LLC

SAYRE JOINT FARMS LLC

N

ALLIANT ENERGY GAS

CAUTION

8D22

WINDSTREAM / KDL

AT&T

262'F'

CTH F

SEE CTH F PLAN & PROFILE SHEET FOR ADDITIONAL INFORMATION

SLOPE INTERCEPT (TYP)

866+00 868+00 870+00 872+00 874+00 876+00 878+00 USH 14 880+00

CAUTION

CAUTION

PAETEC/WINDSTREAM

ATC / ALLIANT ENERGY ELECTRIC

AT&T

8D22

CP-12

MONUMENTED SECTION CORNER (SEE SPECIAL PROVISIONS)

EXISTING R/W (TYP)

CAUTION

BERM

SIGN

BERM

5

5

RICHARD L SCHMIDT AND SHARON E SCHMIDT

EXISTING PROPERTY LINE (TYP)

N CRYSTAL SPRINGS RD

2019 EMERGENCY ASPHALT OVERLAY

NATHAN A HOFF

JOSEPH A PARTIPILO JR

PINE RIDGE DEVELOPMENT

BLACKHAWK TECHNICAL COLLEGE

8D22 = CONSTRUCT ENTRANCE PER SDD 8D22

TNN HOLDING LLC

N

SAYRE JOINT FARMS LLC

EXISTING PROPERTY LINE (TYP)

FENCE SAFETY

EXISTING R/W (TYP)

ALLIANT ENERGY GAS

8D22

SLOPE INTERCEPT (TYP)

WINDSTREAM / KDL

CAUTION

STA. 890+29

STA. 893+15

880+00 USH 14 882+00 884+00 886+00 888+00 890+00 892+00 894+00 USH 14

CAUTION

CAUTION

PAETEC/WINDSTREAM

ATC / ALLIANT ENERGY ELECTRIC

AT&T

AT&T

8D22

CITY OF JANESVILLE WATER

CITY OF JANESVILLE WATER

8D22

CITY OF JANESVILLE WATER

PINE RIDGE DEVELOPMENT

PINE RIDGE DEVELOPMENT

PINE RIDGE DEVELOPMENT

PINE RIDGE DEVELOPMENT

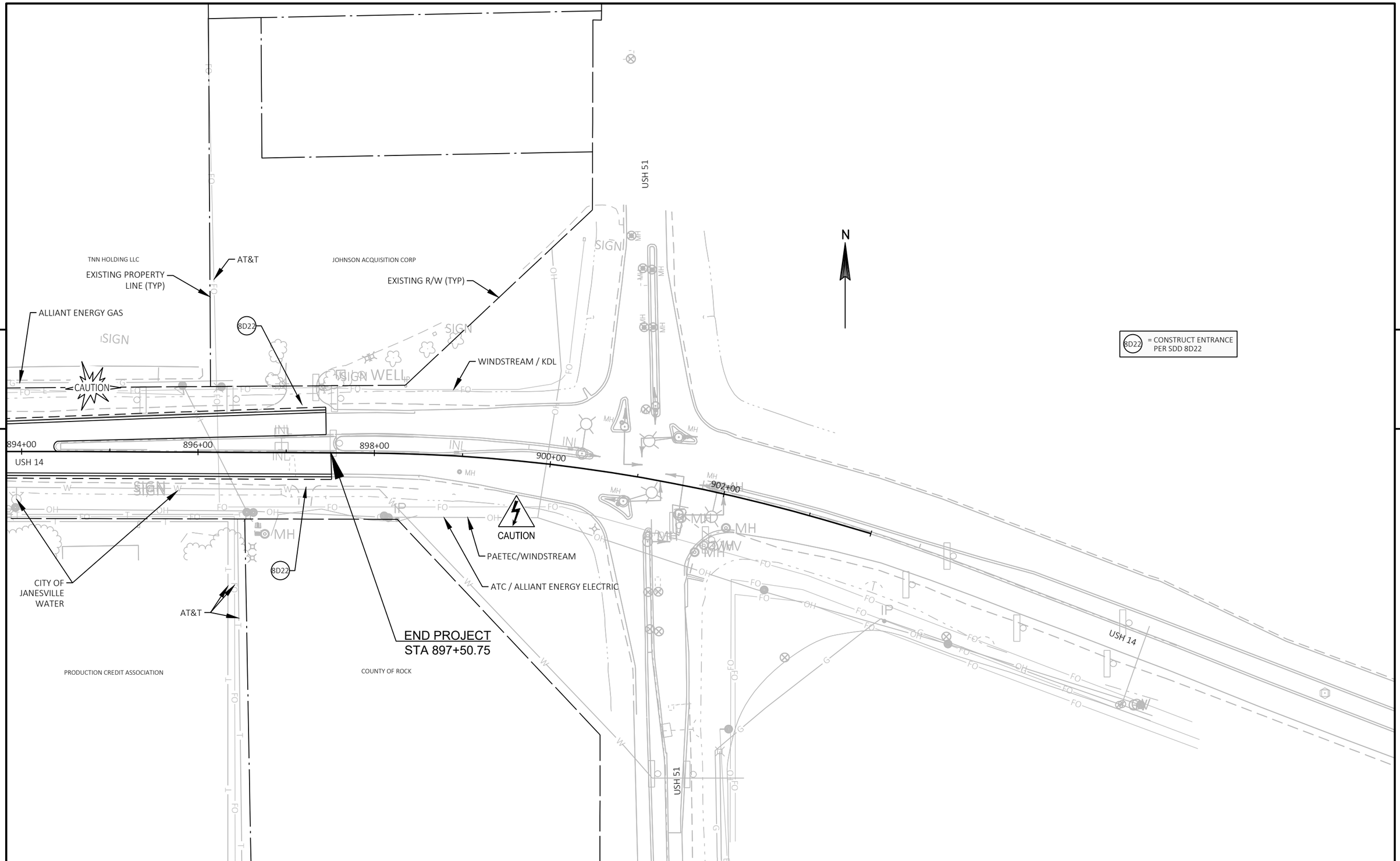
JOHN K AUSTIN REVOCABLE TRUST

PRODUCTION CREDIT ASSOCIATION

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 192	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050105_PP.DWG
LAYOUT NAME - 26

PLOT DATE : 3/12/2020 2:06 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

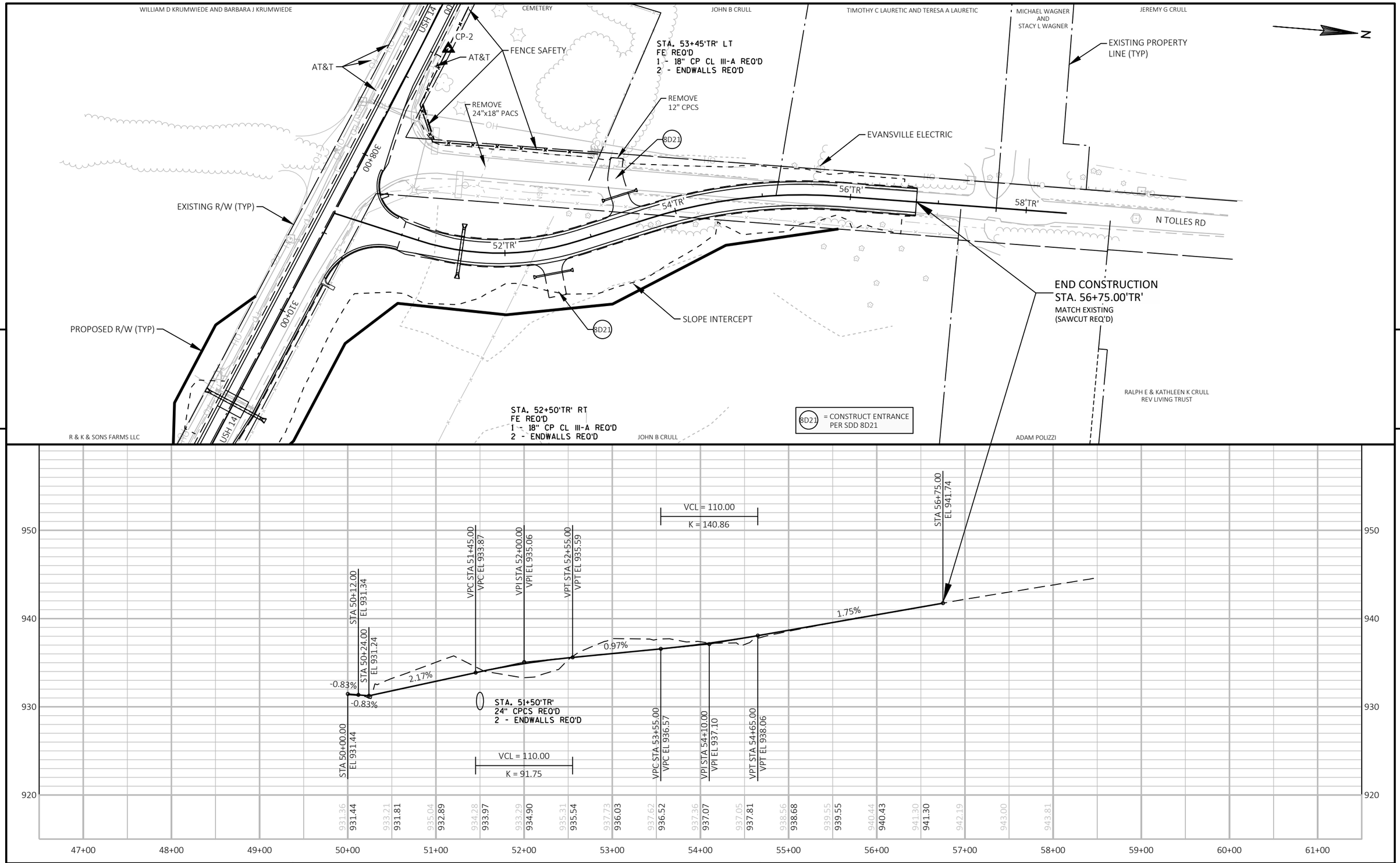


PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN: USH 14	SHEET 193 E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050105_PP.DWG
LAYOUT NAME - 27

PLOT DATE : 3/12/2020 2:07 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

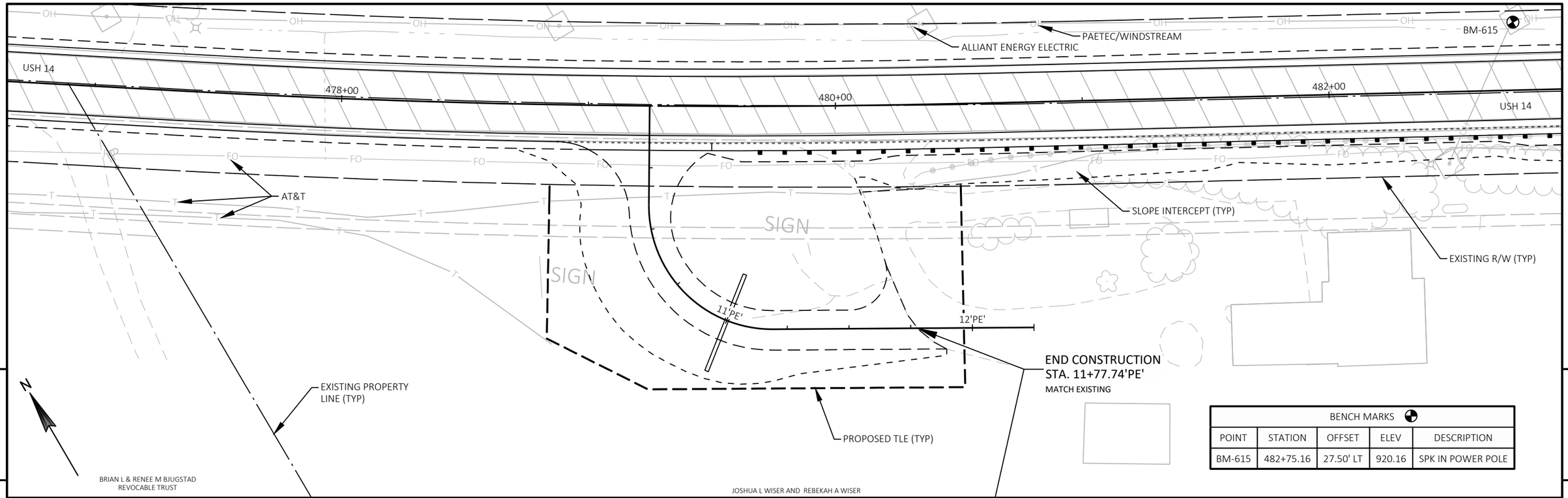


PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN AND PROFILE: TOLLES ROAD	SHEET 194	E

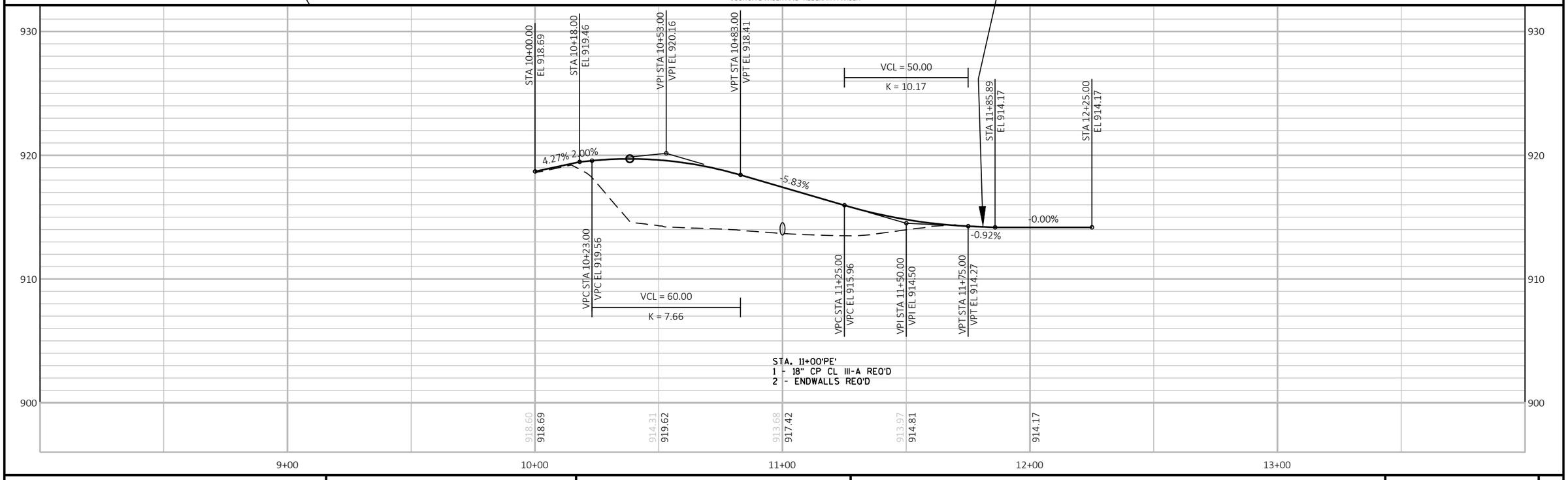
FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050111_PP.DWG
LAYOUT NAME - 50

PLOT DATE : 3/12/2020 2:30 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



BENCH MARKS				
POINT	STATION	OFFSET	ELEV	DESCRIPTION
BM-615	482+75.16	27.50' LT	920.16	SPK IN POWER POLE



PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN AND PROFILE: PRIVATE ENTRANCE AT 479+25	SHEET 195	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050111_PP.DWG
LAYOUT NAME - 51

PLOT DATE : 3/12/2020 2:30 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

DONALD J BEGGS AND KAREN L BEGGS

DONALD J BEGGS AND KAREN L BEGGS

N

PROPOSED R/W (TYP)

SLOPE INTERCEPT (TYP)

MONUMENTED SECTION CORNER
(SEE SPECIAL PROVISIONS)

ROCK ENERGY COOPERATIVE

CHARTER

STORM SEWER REQ'D
(SEE DETAILS)

EXISTING R/W (TYP)

ALLIANT ENERGY ELECTRIC

PAETEC/WINDSTREAM

636+00

636'WB

USH 14

638+00

638'WB

640+00

640'WB

USH 14

128'H'

130'H'

132'H'

CTH H

CTH H

BRAD THOM AND
JEANA THOM

JLDT PROPERTIES LLC

SHIRLEY SAUER

MMW JANESVILLE PROPERTIES LLC

BRADLEY R THOM

HARRIS F BORCK JR AND SANDRA R BORCK

CP-8

AT&T

CHARTER

ALLIANT ENERGY ELECTRIC

CAUTION

ALLIANT ENERGY GAS

AT&T

SIGN

END CONSTRUCTION
STA. 127+00.00'H'
MATCH EXISTING
(SAWCUT REQ'D)

END CONSTRUCTION
STA. 133+00.00'H'
MATCH EXISTING
(SAWCUT REQ'D)

EXISTING PROPERTY
LINE (TYP)

STA 128+40'H' RT
CE REQ'D
REMOVE 15" CPCS

5

5

910
900
890
880
875

STA 127+00.00
EL 893.61

STA 129+76.00
EL 892.54

STA 130+00.00
EL 892.18

STA 130+24.00
EL 891.22

STA 130+55.00
EL 890.58

STA 131+50.00
EL 890.69

STA 133+00.00
EL 890.16

VCL = 120.00

K = 53.11

-1.21%

1.05%

1.00%

4.00%

2.80%

-0.55%

0.30%

-0.36%

-1.60%

VPC STA 128+15.00
VPC EL 892.21

VPI STA 128+75.00
VPI EL 891.48

VPT STA 129+35.00
VPT EL 892.11

STA 129+88.00
EL 892.66

STA 130+12.00
EL 891.70

STA 130+36.00
EL 890.88

STA 130+75.00
EL 890.47

STA 130+90'H'
18" CPRC REQ'D (SKEW 15° LHF)
2 - ENDWALLS REQ'D

STA 129+40'H'
REMOVE 24" CPCS
24" CPRC REQ'D (SKEW 15° LHF)
2 - ENDWALLS REQ'D

893.61 893.61 892.97 893.00 892.30 892.39 891.79 891.90 891.71 891.86 892.25 892.26 892.09 892.18 890.62 890.66 890.49 890.54 890.55 890.69 890.47 890.51 890.29 890.33 890.16 890.16

123+00 124+00 125+00 126+00 127+00 128+00 129+00 130+00 131+00 132+00 133+00 134+00 135+00 136+00 137+00

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN AND PROFILE: CTH H	SHEET 196	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050111_PP.DWG
LAYOUT NAME - 52

PLOT DATE : 3/12/2020 2:31 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

TCX SERVICES LLC

STA 202+34'E' LT
REMOVE 15" CPCS

ELSIE M REAMER TRUST

PROPOSED R/W (TYP)

USH 14

808+00

PAETEC/WINDSTREAM

CONNOR FARM LLC

ALLIANT ENERGY ELECTRIC

SLOPE INTERCEPT (TYP)

ATC

AT&T

CAUTION

AT&T

EXISTING R/W (TYP)

200'E'

198'E'

202'E'

CTH E

810+00

204'RBN'

EXISTING PROPERTY
LINE (TYP)

N ROBINSON LN

8D21

CHARTER

PROPOSED TLE (TYP)

END CONSTRUCTION
STA. 198+50.00'E'
MATCH EXISTING
(SAWCUT REQ'D)

8D21 = CONSTRUCT ENTRANCE
PER SDD 8D21

CAUTION

812+00

ALLIANT ENERGY GAS

AT&T

STA 200+60'E' RT
CE REQ'D
REMOVE 12" CPCS

USH 14

WHILDEN D HUGHES

FOX LLC

FOX LLC

JULIANNE M BURNS AND DAVID S BURNS

5

5

850
840
830
820
815

STA 198+50.00
EL 825.27

STA 199+25.00
EL 826.17

VPC STA 200+40.00
VPC EL 828.03

VPI STA 201+00.00
VPI EL 829.00

VPT STA 201+60.00
VPT EL 829.24

STA 202+25.00
EL 829.50

STA 202+59.50
EL 829.80

STA 202+87.50
EL 830.39

STA 203+00.00
EL 830.80

1.20%
1.62%
0.40%
0.90%
2.10%
3.30%

VCL = 120.00
K = 98.27

824.44	824.83	825.27 / 825.27	825.79 / 825.87	826.48 / 826.57
827.41 / 827.38	828.35 / 828.19	829.16 / 828.82	829.61 / 829.19	828.31 / 829.40
828.29 / 829.72	830.72 / 830.80			

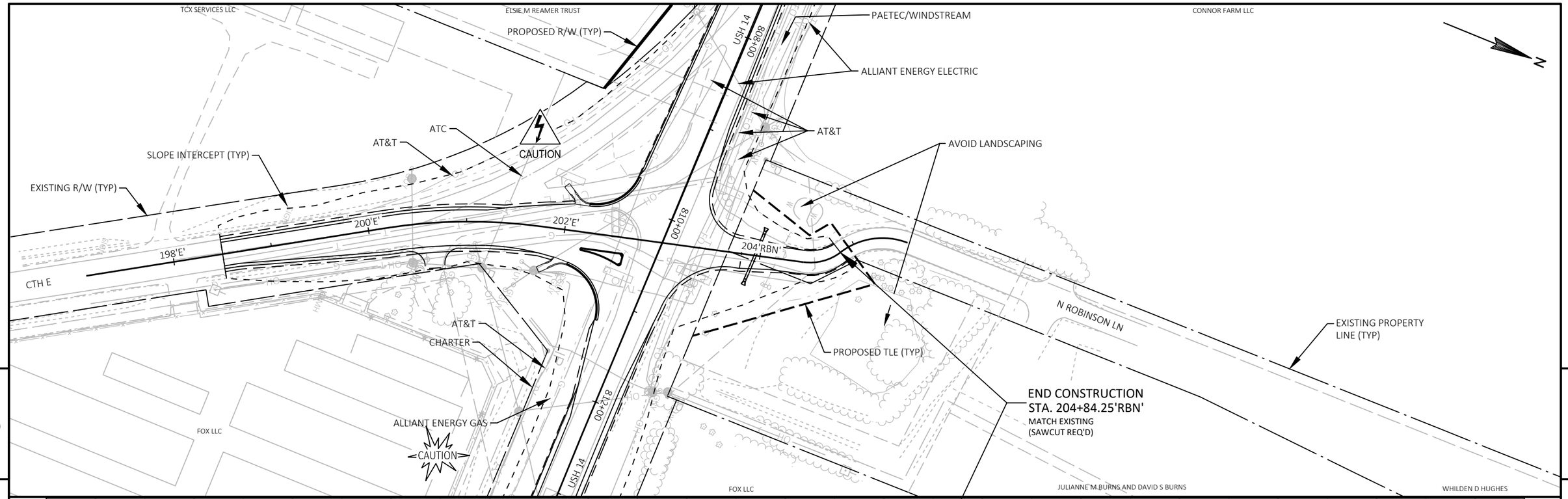
194+00 195+00 196+00 197+00 198+00 199+00 200+00 201+00 202+00 203+00 204+00 205+00 206+00 207+00 208+00

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN AND PROFILE: CTH E	SHEET 197	E

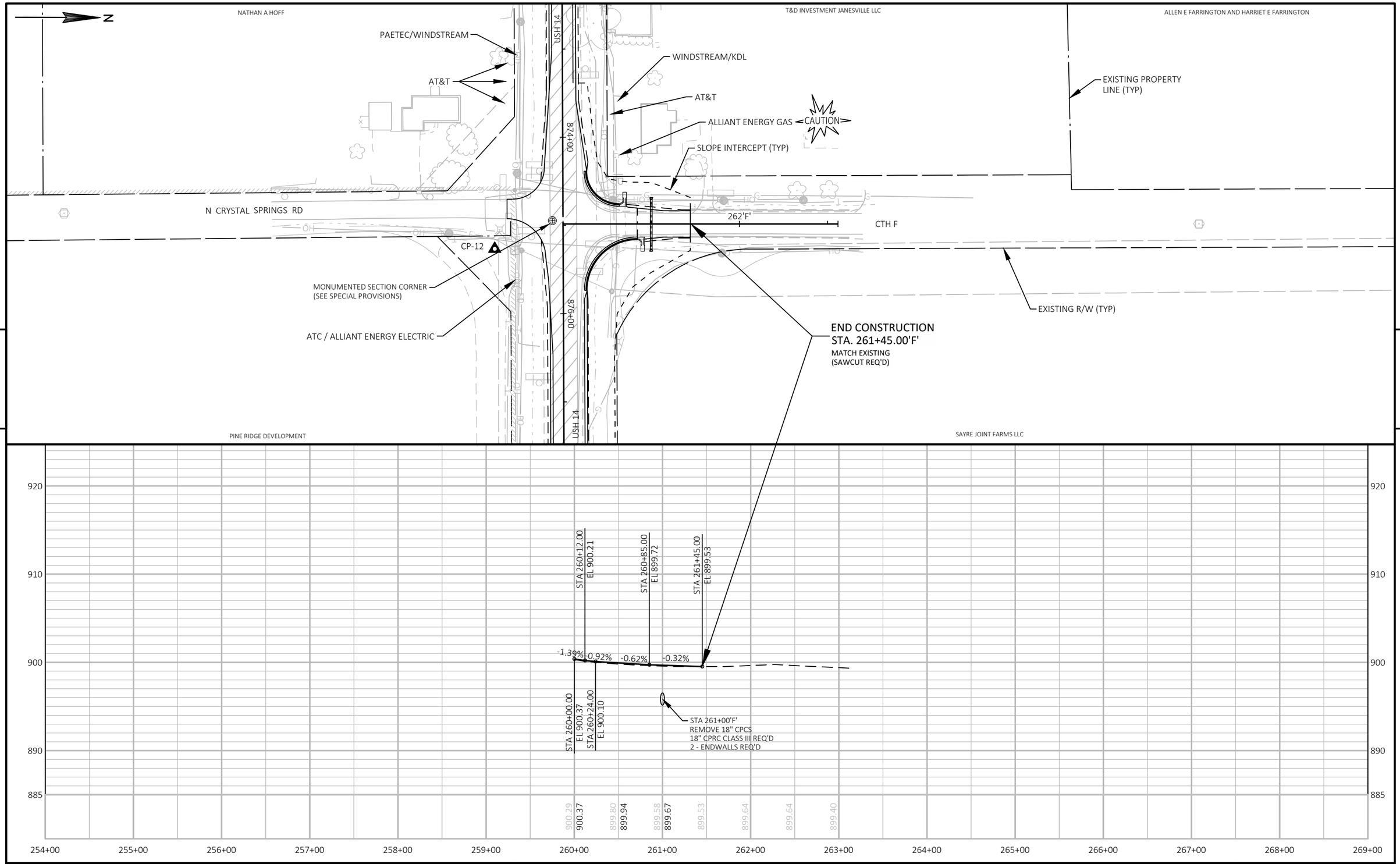
FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\050111_PP.DWG
LAYOUT NAME - 53

PLOT DATE : 3/12/2020 2:31 PM PLOT BY : KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN AND PROFILE: ROBINSON LANE	SHEET 198	E



5

5

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	PLAN AND PROFILE: CTH F	SHEET 199	E

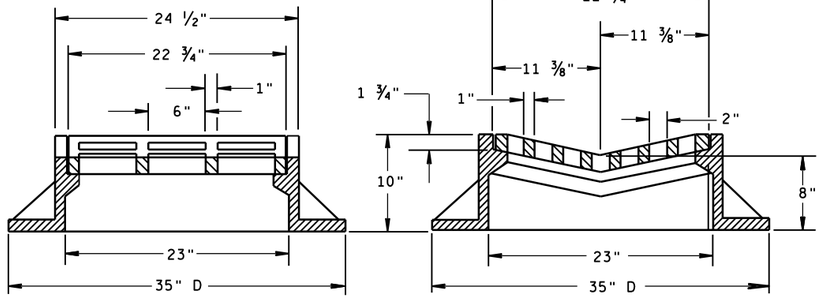
Standard Detail Drawing List

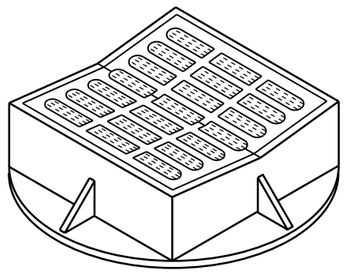
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-20A	CONCRETE CURB & GUTTER
08D01-20B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D02-06	CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
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
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08D22-01	DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09A01-13B	AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"
09B02-10	CONDUIT
09B04-11	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09F15-04A	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
13A10-02C	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-02D	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A11-03B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13B02-09A	CONCRETE PAVEMENT APPROACH SLAB
13C19-01	HMA LONGITUDINAL JOINTS
14B29-01	SAFETY EDGE
14B42-06A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-06B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-06C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-06D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-07A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-07B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-07C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-07F	ADVANCED WIDTH RESTRICTION SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C06-09	SIGNING & MARKING FOR TWO LANE BRIDGES
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-19A	LONGITUDINAL MARKING (MAINLINE)
15C08-19C	PAVEMENT MARKING (TURN LANES)
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-04	MEDIAN ISLAND MARKING

6

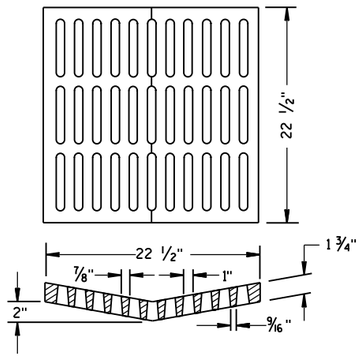
Standard Detail Drawing List

15C19-06A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-06B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C19-06C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C21-09	SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS
15C27-03A	DOUBLE ARROW WARNING SIGN PLACEMENT
15C31-03A	PAVEMENT MARKING (RAMPS AND GORES)
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-04A	PAVEMENT MARKING (INTERSECTIONS)
15C35-04B	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15D12-07A	TRAFFIC CONTROL, LANE CLOSURE
15D20-04	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-06A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D29-05	TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D44-01	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
15D45-01	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
16A01-07	LANDMARK REFERENCE MONUMENTS AND COVERS



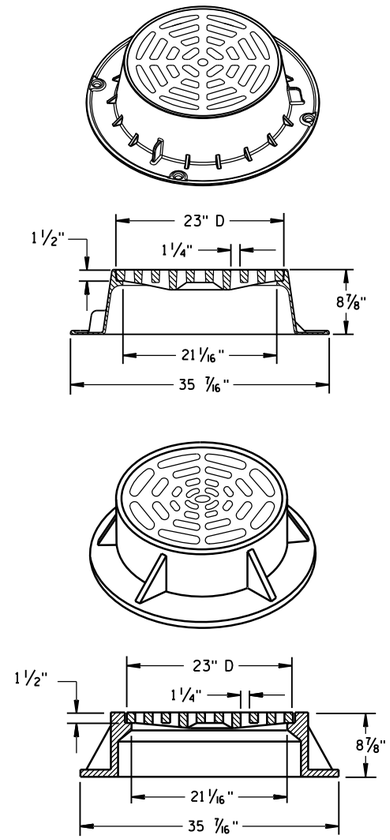


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

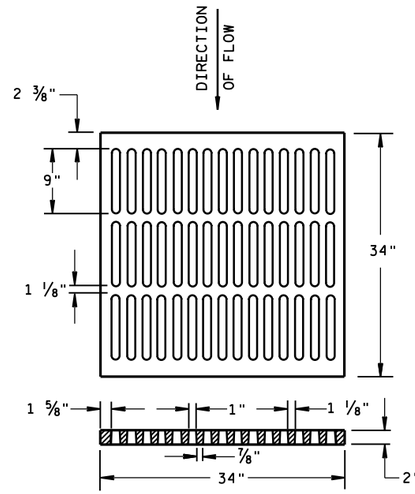
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

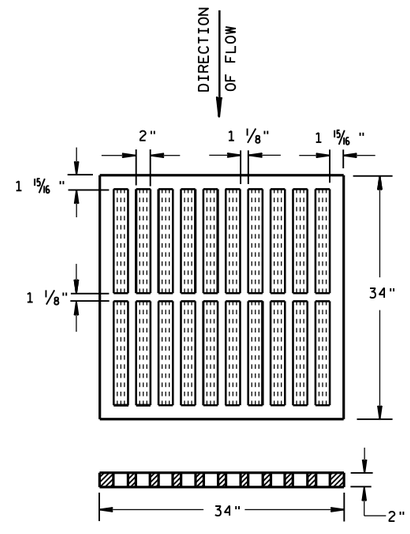
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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



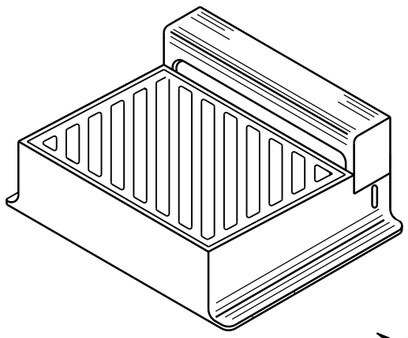
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

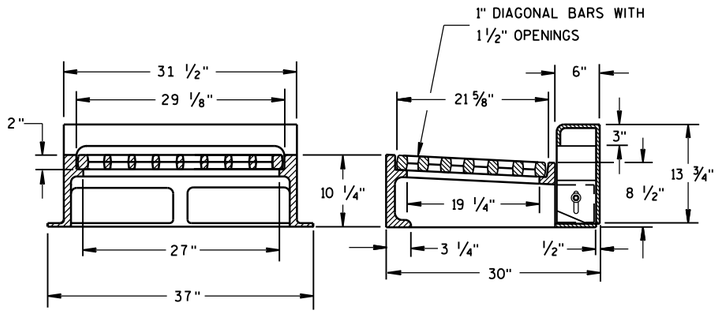


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

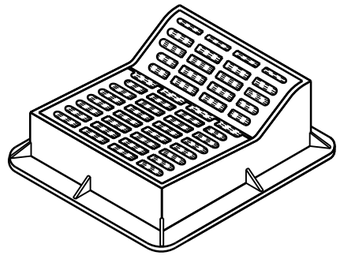
INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM

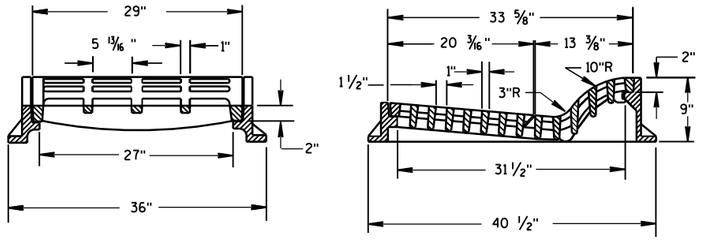
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

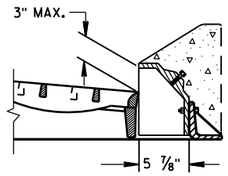
S.D.D. 8 A 5-19b





TYPE "F"

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



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

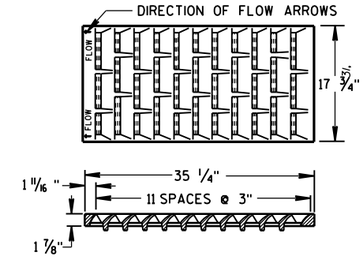
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

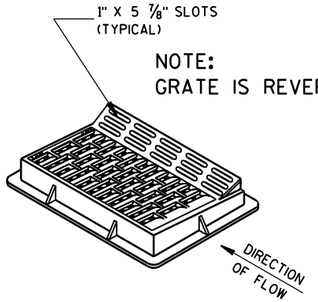
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

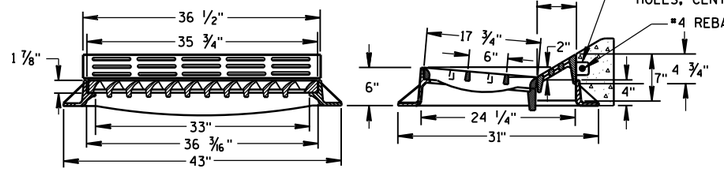
GENERAL NOTES

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

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



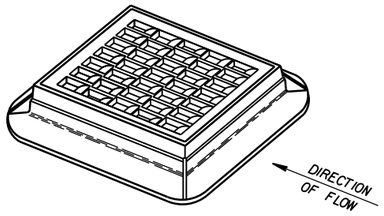


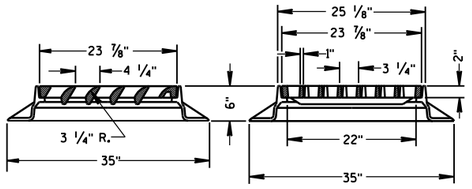


TYPE "HM"

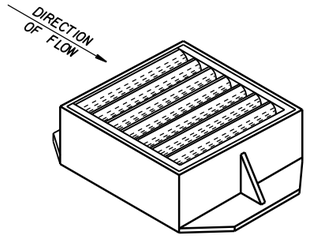
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

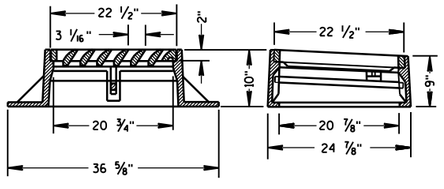
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



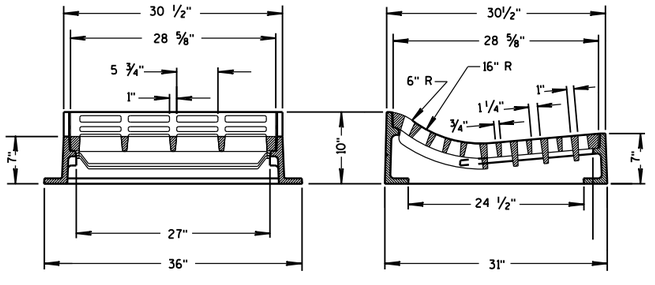


TYPE "S"



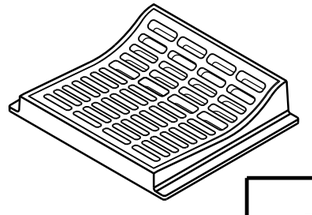


TYPE "V"



TYPE "T"

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



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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

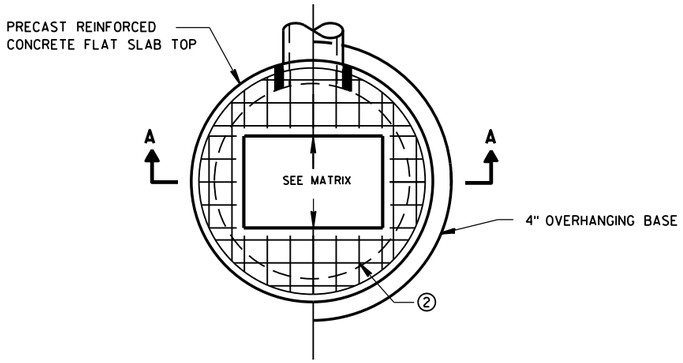
APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

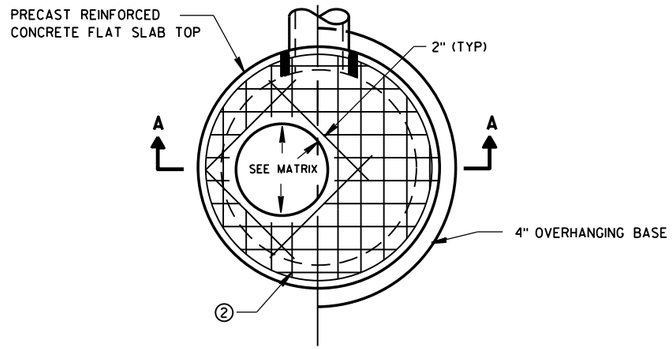
FHWA

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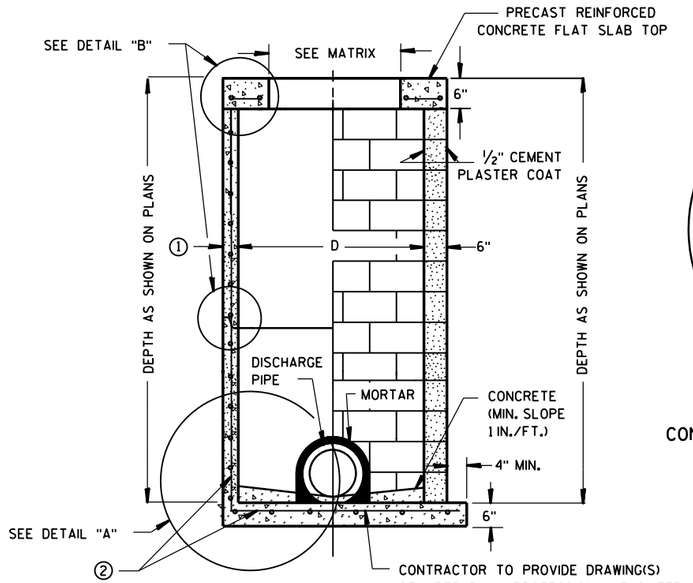
S.D.D. 8 A 5-19c



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

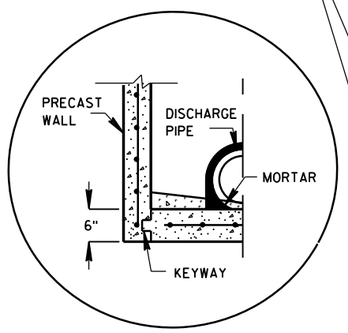


SECTION A-A

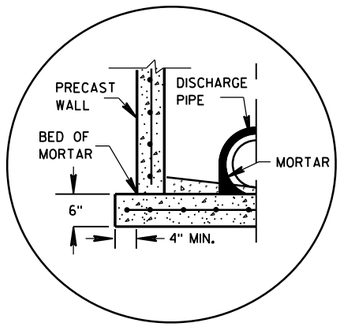
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

CIRCULAR INLETS W/ FLAT TOP

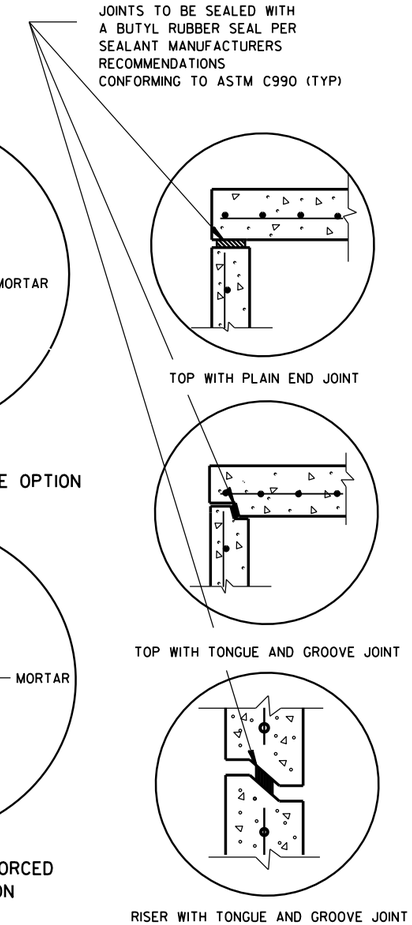


PRECAST REINFORCED
CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED
CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

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

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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

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

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

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

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

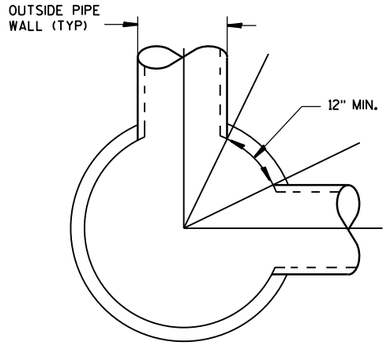
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

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

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

INLET COVER OPENING MATRIX

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



DETAIL "C"

PIPE MATRIX

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

INLETS 3-FT AND 4-FT DIAMETER

INLETS 3-FT
AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

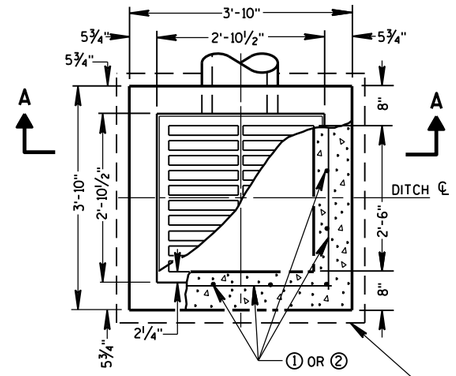
APPROVED
Sept.. 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS | UNIT SUPERVI — ENT
FHWA

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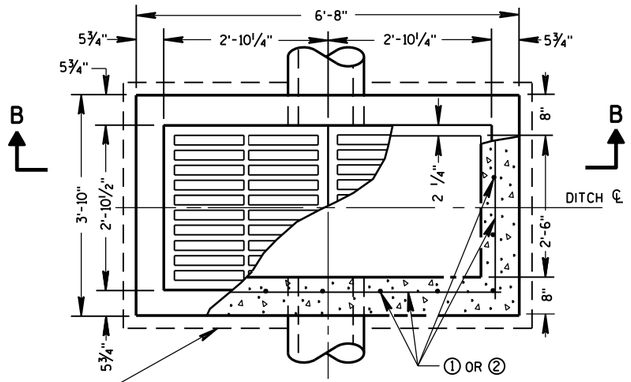
S.D.D. 8 C 6-2

6

S.D.D. 8 C 6-2

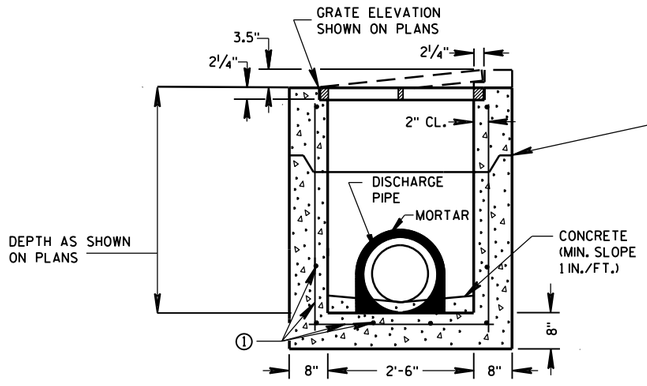


PLAN VIEW

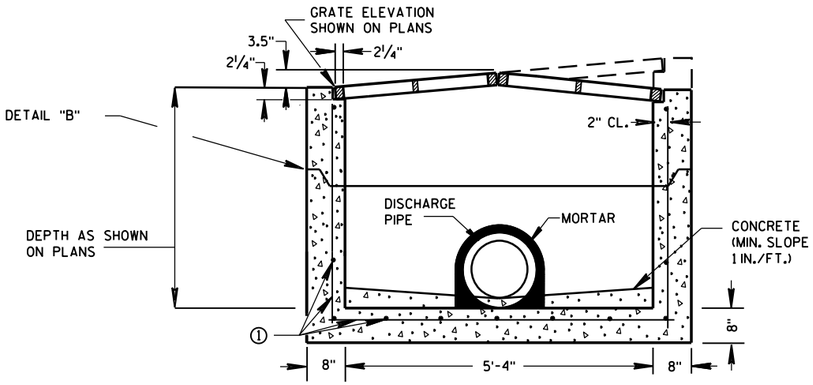


PLAN VIEW

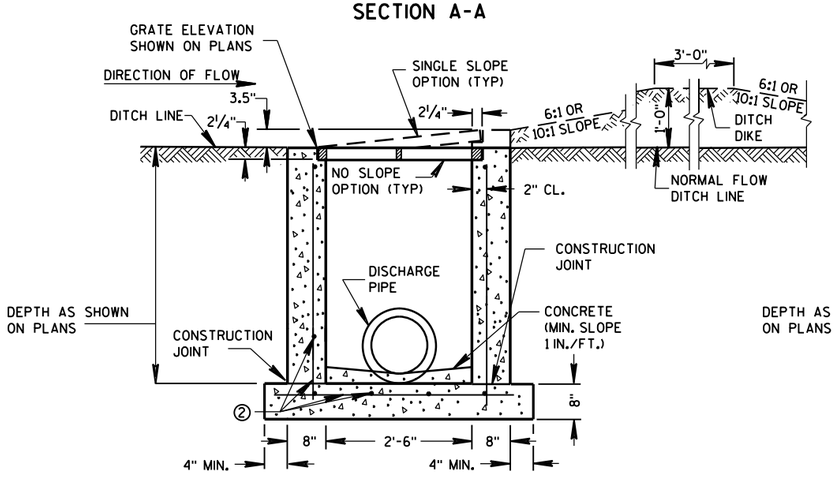
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



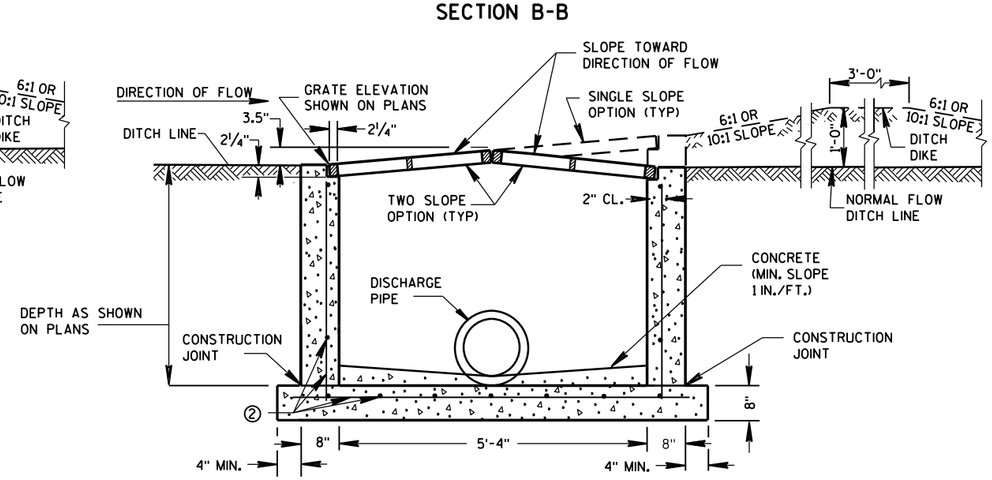
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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

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

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

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

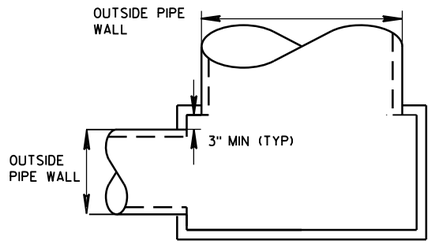
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

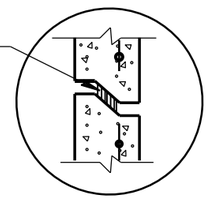
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

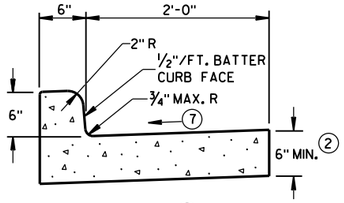
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

6

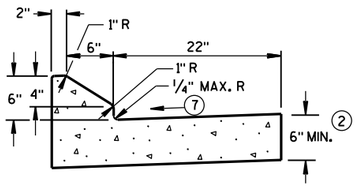
S.D.D. 8 C 8-2

6

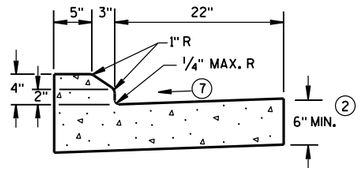
S.D.D. 8 C 8-2



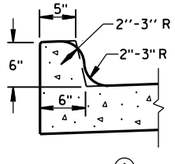
TYPES A (1) & D



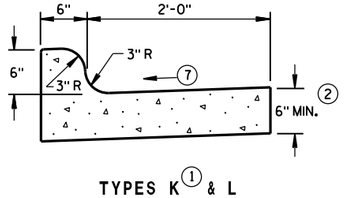
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

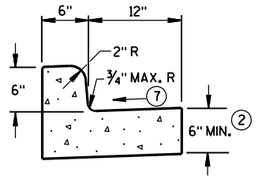


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



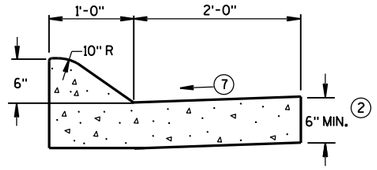
TYPES K (1) & L

CONCRETE CURB & GUTTER 30"

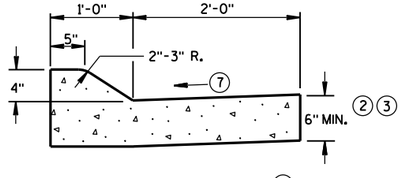


TYPES A (1) & D

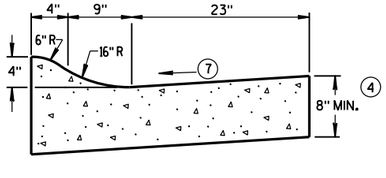
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

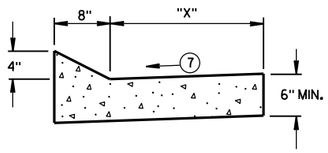


4" SLOPED CURB TYPES A (1) & D



4" SLOPED CURB TYPES R (1) & T (5)

CONCRETE CURB & GUTTER 36"



TYPES TBT & TBTT (1)

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS 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 & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

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 GUTTER 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) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

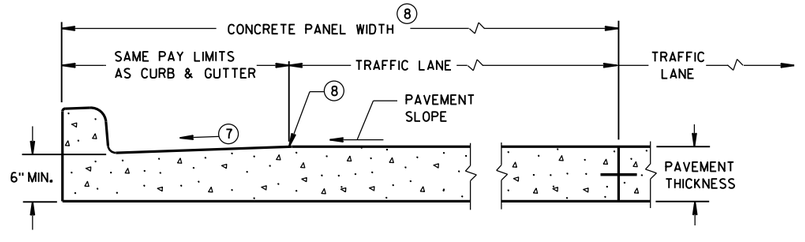
(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(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.

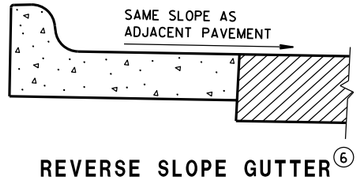
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB & GUTTER

* BIKE LANE IS NOT SHOWN.

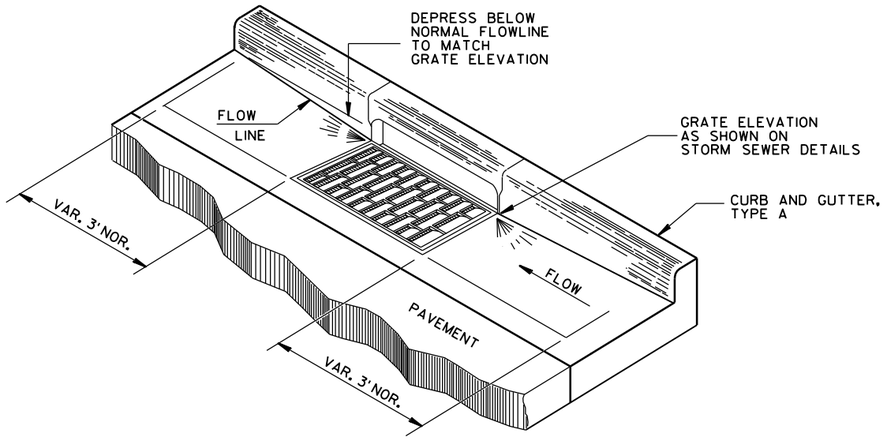


REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

CONCRETE CURB & GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S.D.D. 8 D 1-20a



DETAIL OF CURB AND GUTTER AT INLETS

(TYPE H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

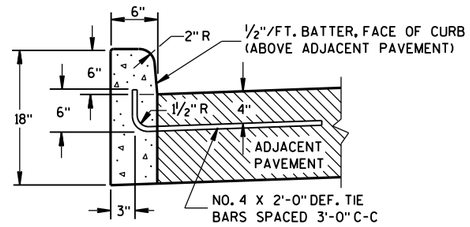
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

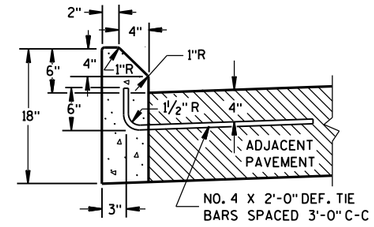
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

(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 8D18 AND SDD 8D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

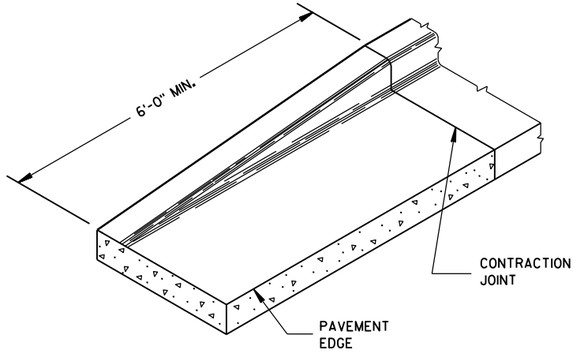


TYPES A(1) & D

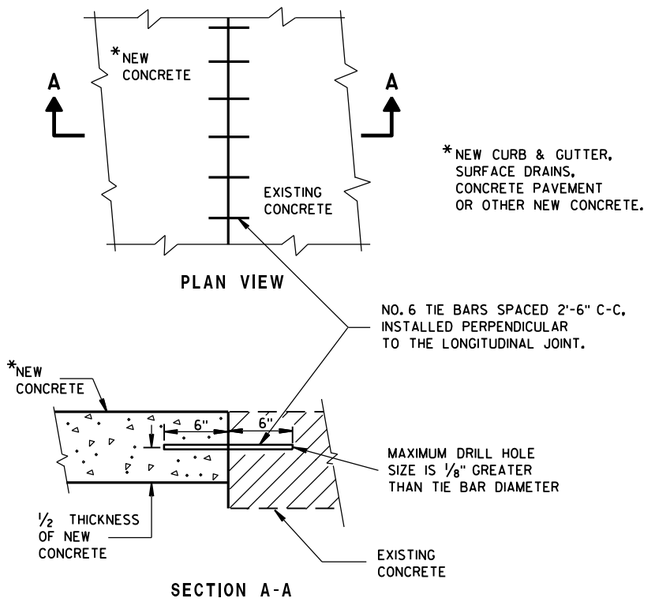


TYPES G(1) & J

CONCRETE CURB



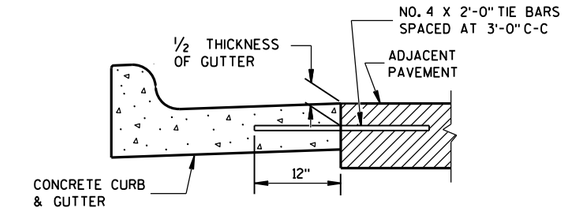
END SECTION CURB & GUTTER



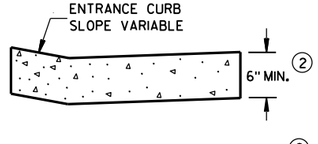
PLAN VIEW

SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

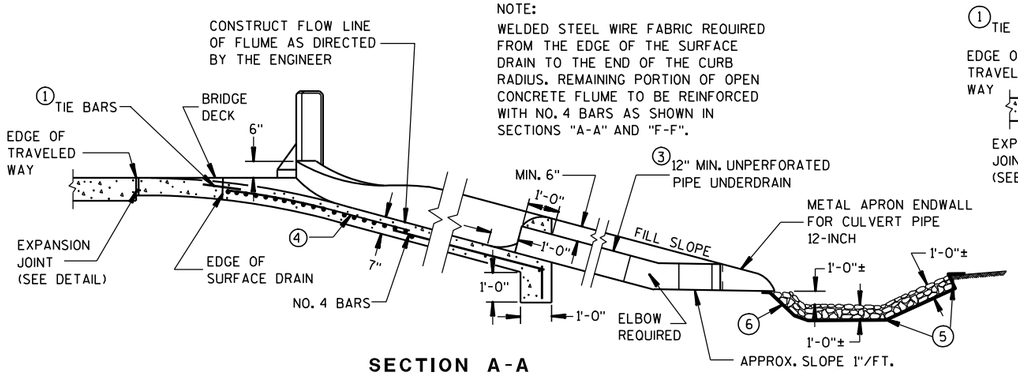
APPROVED
June, 2017 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS 207 ENT
UNIT SUPERVISOR
FHWA

6

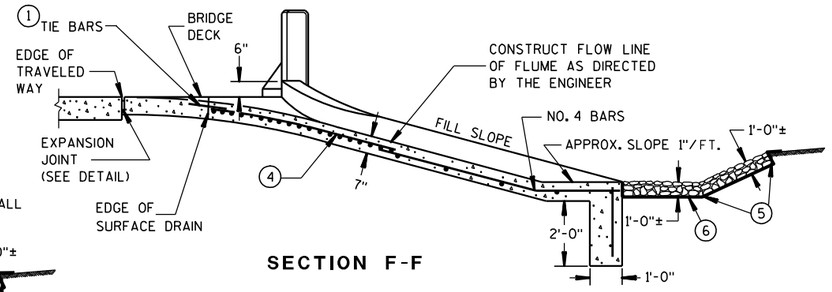
S.D.D. 8 D 1-20b

6

S.D.D. 8 D 1-20b



SECTION A-A



SECTION F-F

GENERAL NOTES

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

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

(1) NO. 4 X 2'-0" TIE BARS SPACED AT 3'-0" CENTERS TO BE USED ONLY WHEN ADJACENT TO P.C. CONCRETE.

(2) NO. 4 X 2'-0" TIE BARS SPACED AT 12" CENTERS TO BE PLACED BY BRIDGE CONTRACTOR, OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.

(3) PIPE UNDERDRAIN MAY BE ANY OF THE MATERIALS LISTED IN SECTION 612.2 OF THE STANDARD SPECIFICATIONS EXCEPT DRAIN TILE.

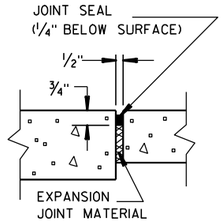
(4) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C-C.

(5) LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH IS REQUIRED.

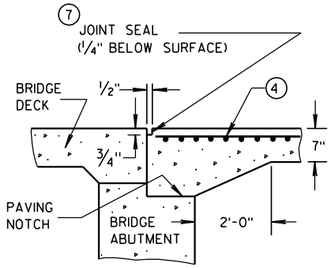
(6) GEOTEXTILE FABRIC, TYPE 'R"

(7) HOT POURED SEALANT UNLESS OTHERWISE SPECIFIED.

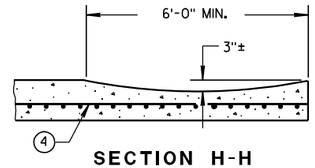
(8) THIS DIMENSION MAY VARY DEPENDING ON THE SPACING OF POSTS FOR THE STEEL PLATE BEAM GUARD. THE TYPICAL LOCATION FOR THE SURFACE DRAIN IS WHERE THE POST SPACING WIDENS TO 3'-1½".



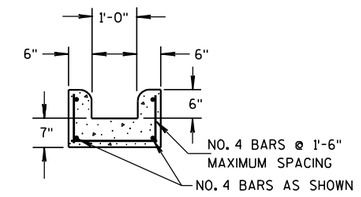
EXPANSION JOINT DETAIL



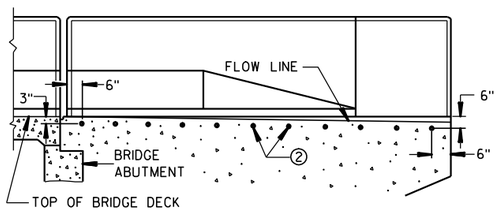
SECTION D-D



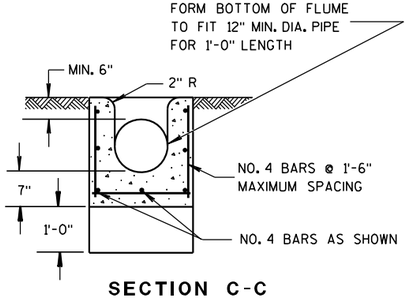
SECTION H-H



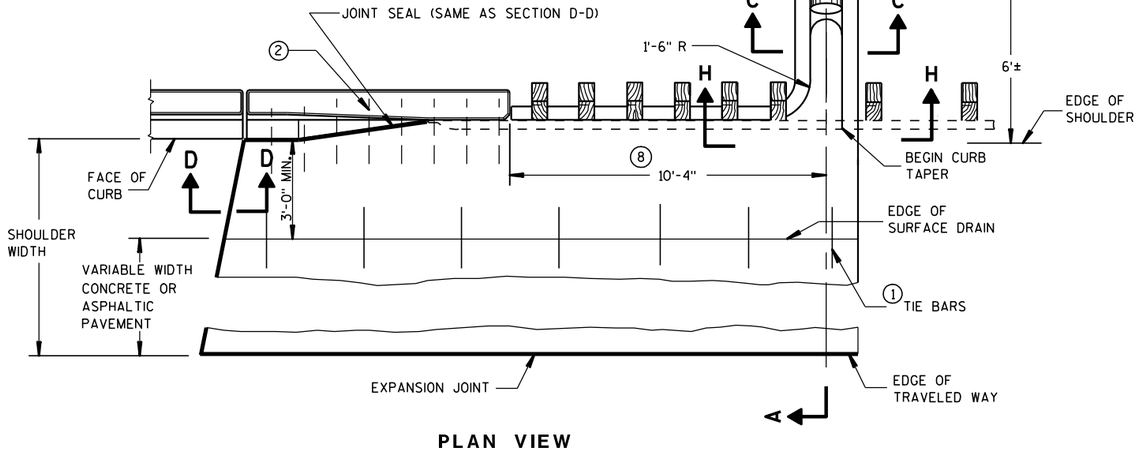
SECTION E-E



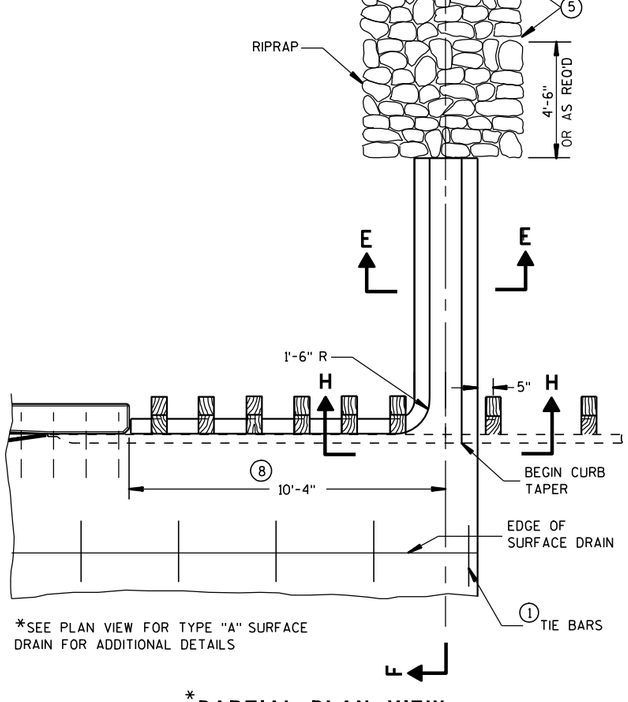
LOCATION OF TIE BARS IN WINGWALL



SECTION C-C



PLAN VIEW
SURFACE DRAIN WITH PIPE
TYPE "A"



*SEE PLAN VIEW FOR TYPE "A" SURFACE DRAIN FOR ADDITIONAL DETAILS

*PARTIAL PLAN VIEW
SURFACE DRAIN WITHOUT PIPE
TYPE "B"

CONCRETE SURFACE DRAINS
FLUME TYPE
AT STRUCTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/4/08
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
208
FHWA

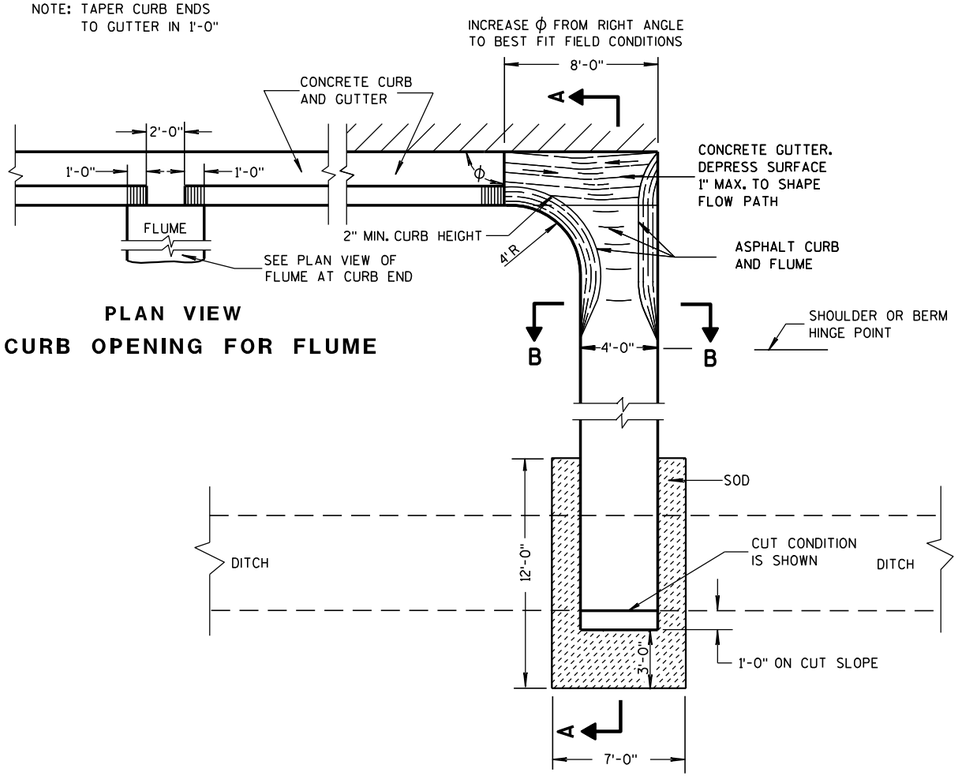
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S.D.D. 8 D 2-6

6

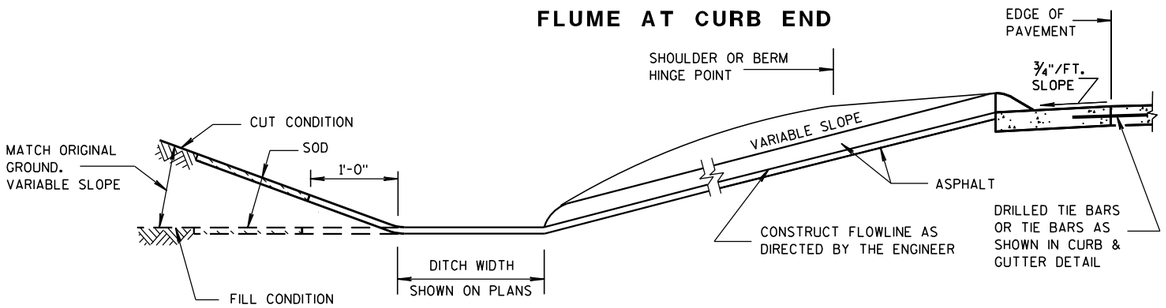
S.D.D. 8 D 2-6

ASPHALTIC FLUME

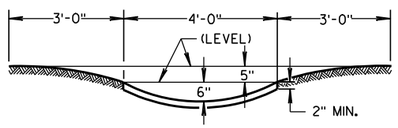


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

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

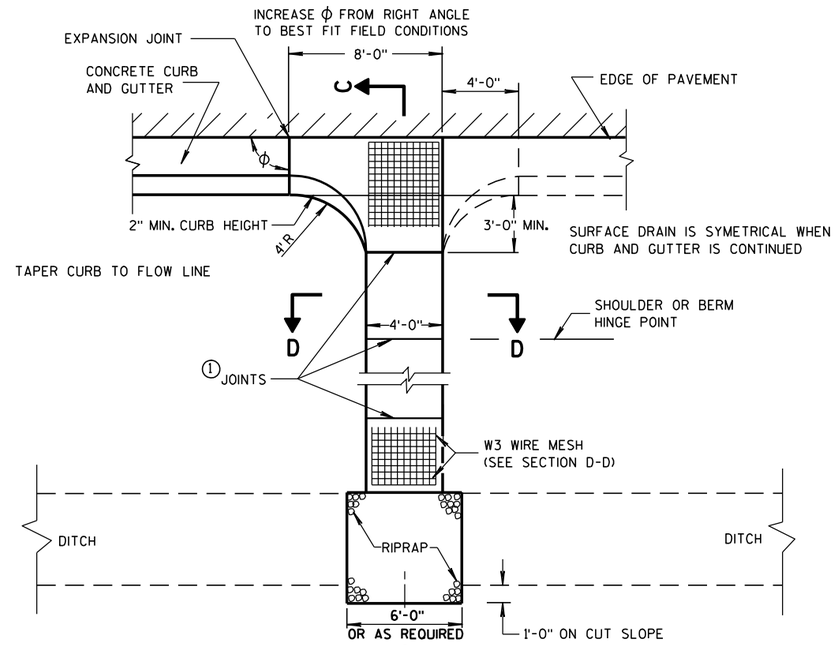
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

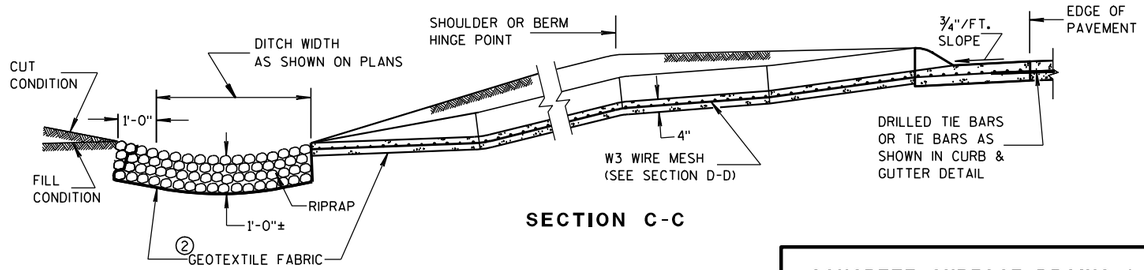
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

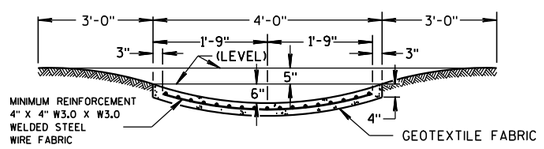
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

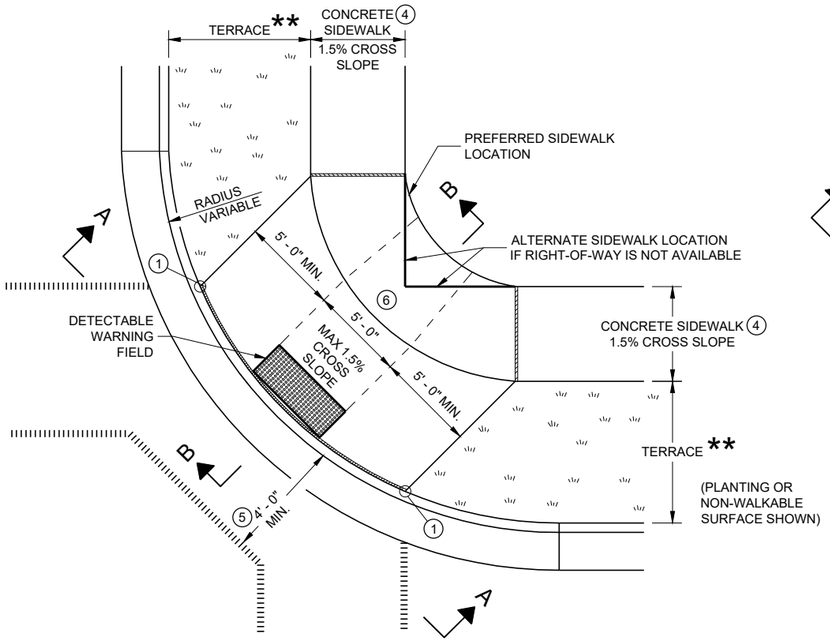
APPROVED
9-4-08 DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER
MENT
FHWA

6

S.D.D. 8 D 4-5

6

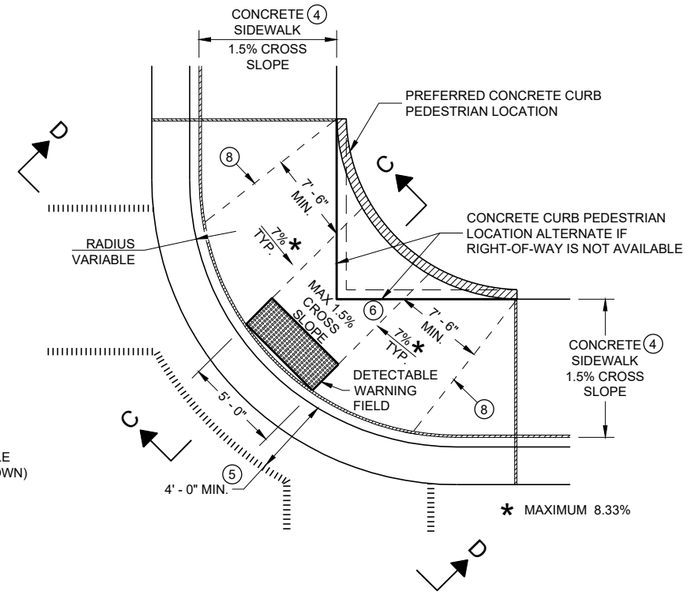
S.D.D. 8 D 4-5



PLAN VIEW

CURB RAMP TYPE 1

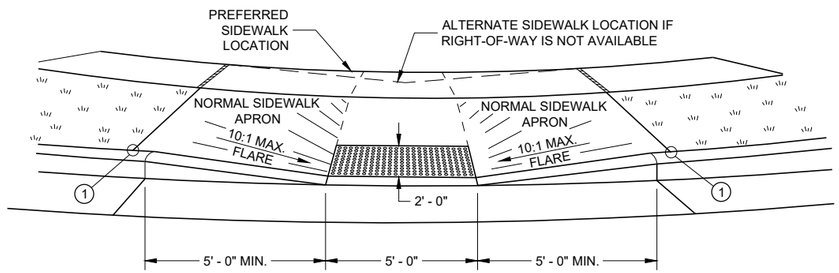
(CENTER OF CORNER RADIUS)



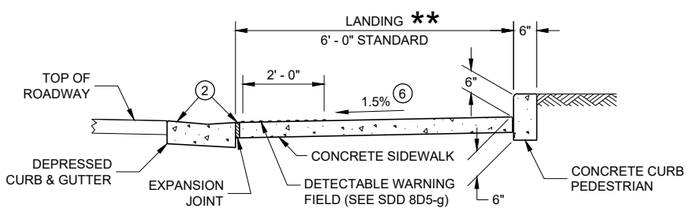
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

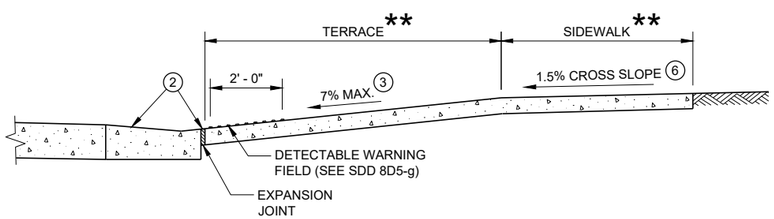


VIEW A - A FOR TYPE 1

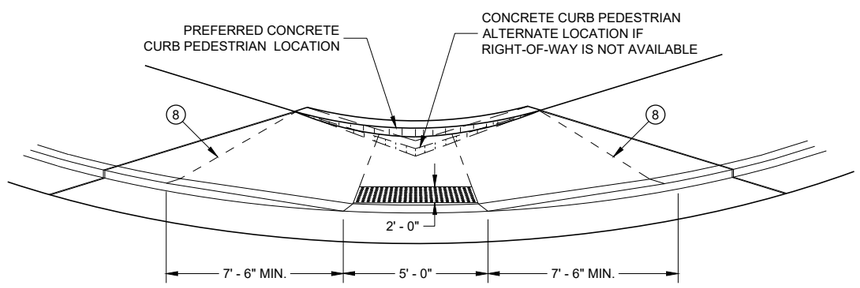


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 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.

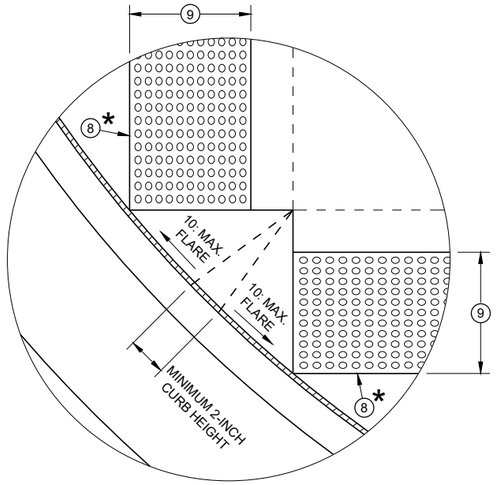
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

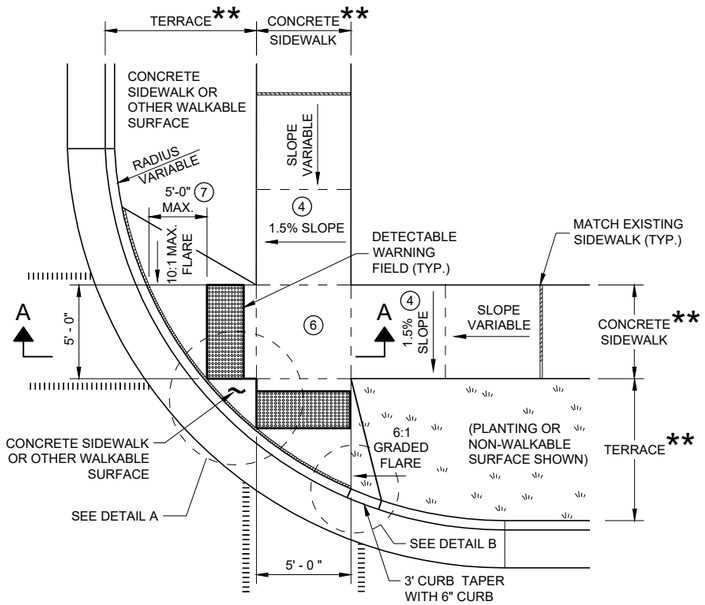
CURB RAMPS
TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

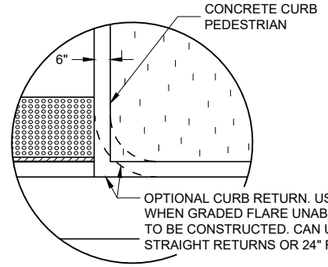
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SDD 08D05 - 20a



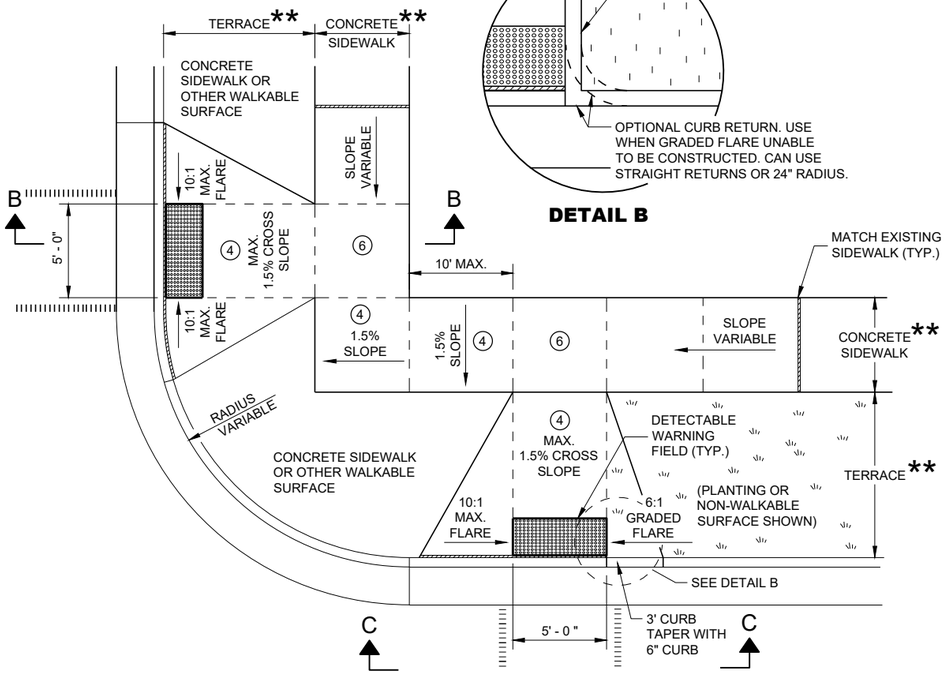
DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)



DETAIL B



PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

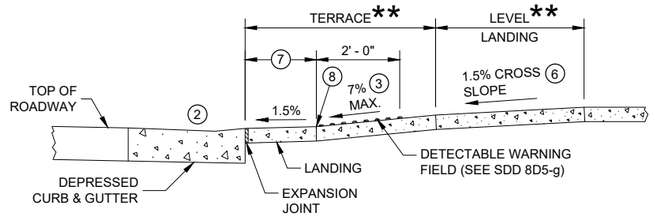
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

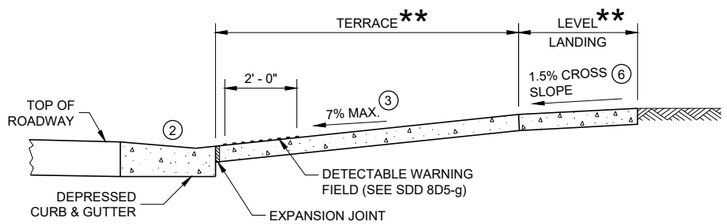
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



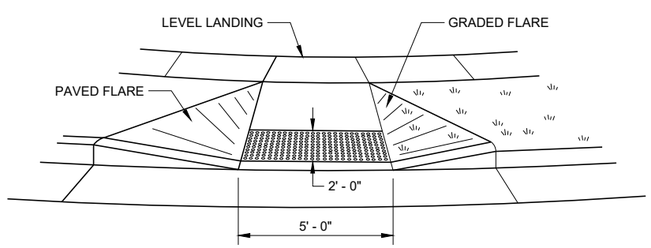
SECTION A - A FOR TYPE 2

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 2 AND 3

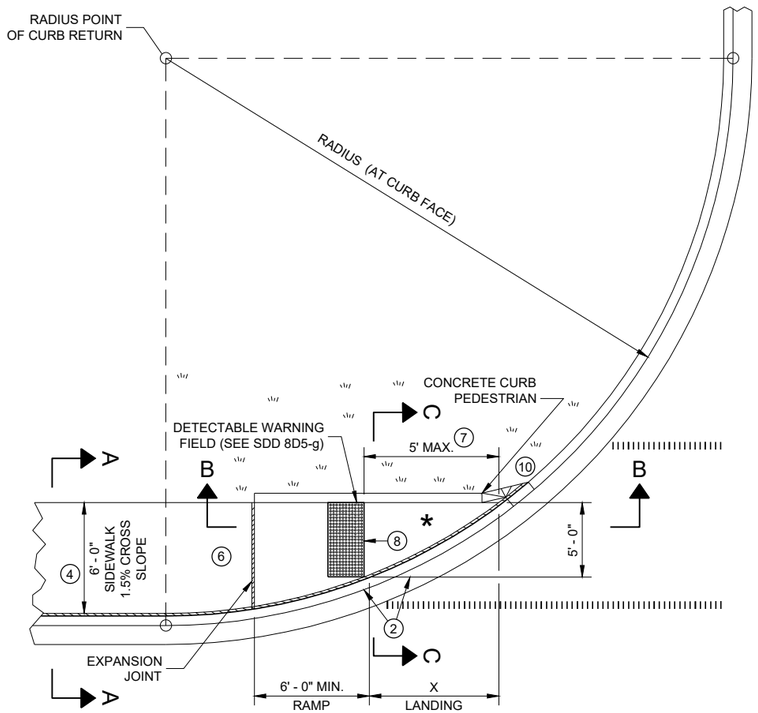
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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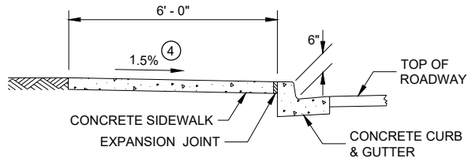


PLAN VIEW

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.

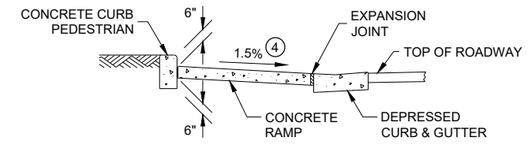
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

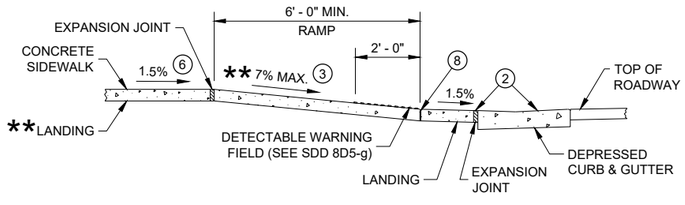
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



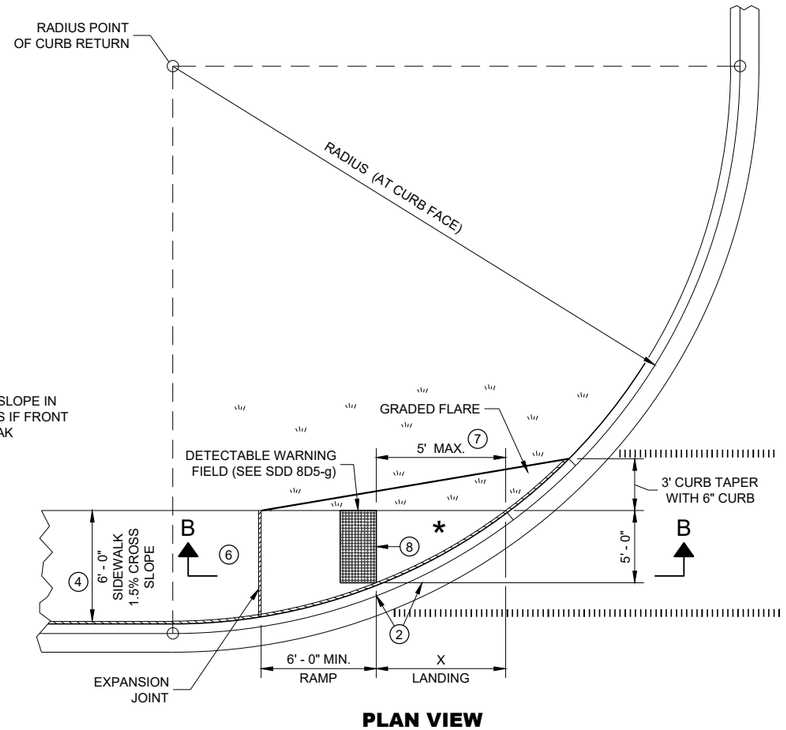
SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

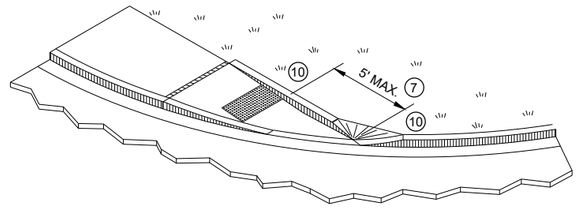
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

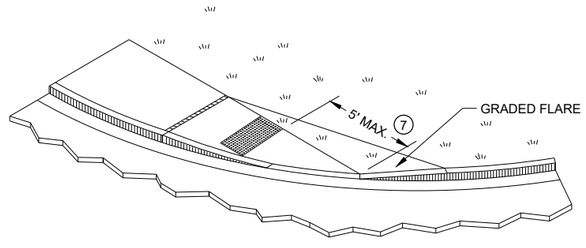


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



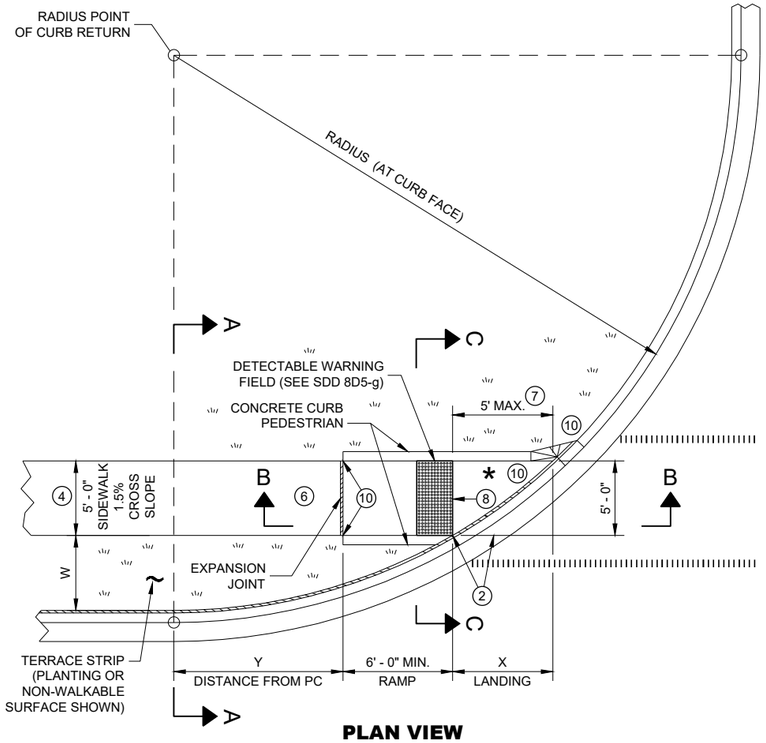
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

SECTION C - C FOR TYPE 4B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

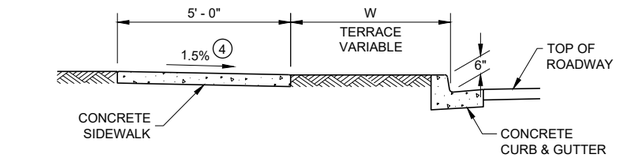
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

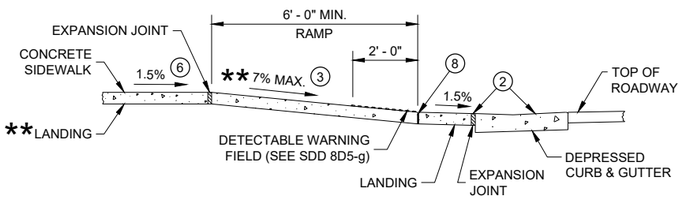
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



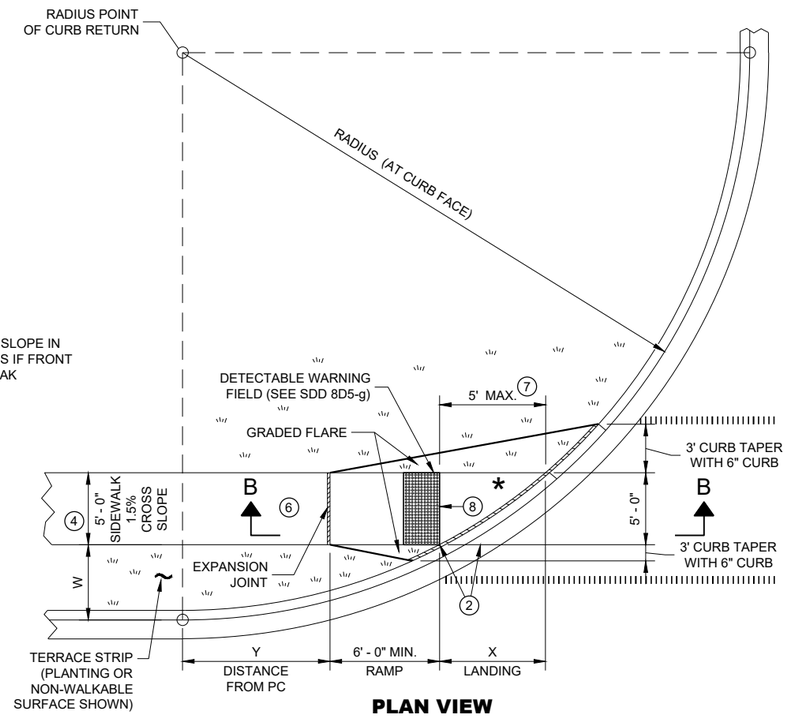
SECTION A - A FOR TYPE 4B



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

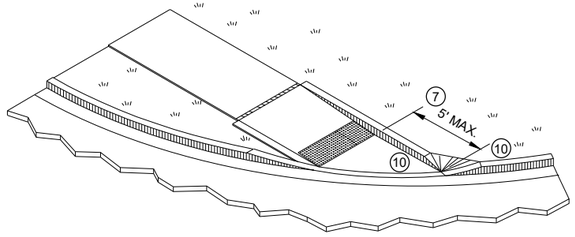
SECTION B - B FOR TYPE 4B AND TYPE 4B1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

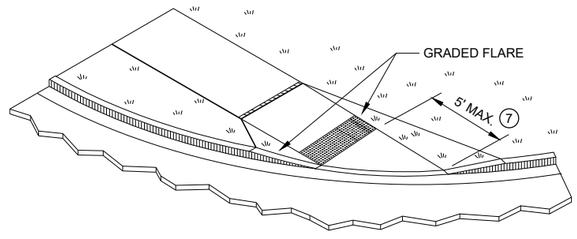


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



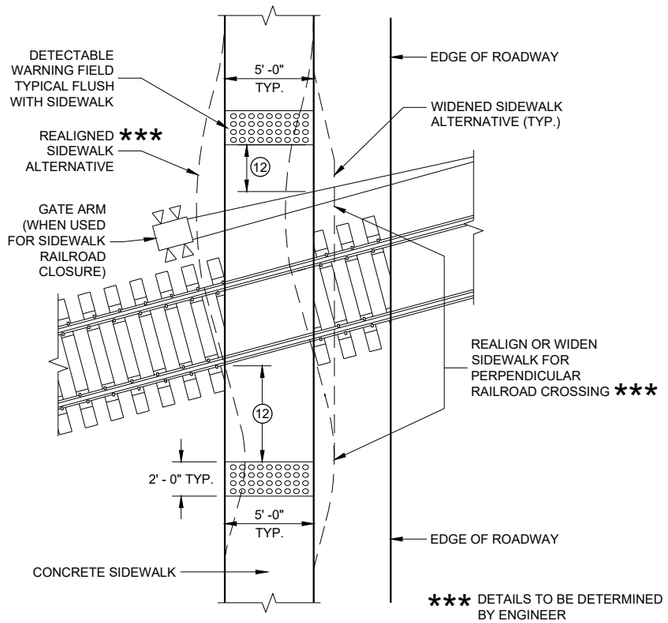
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

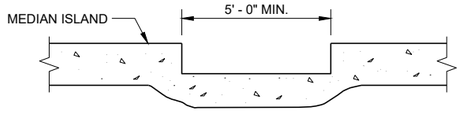
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SDD 08D05 - 20d

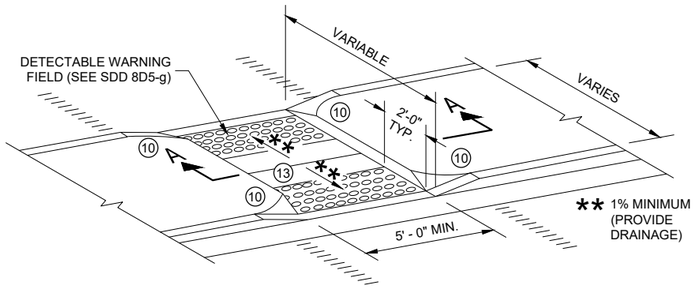


CURB RAMP TYPE 8

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.

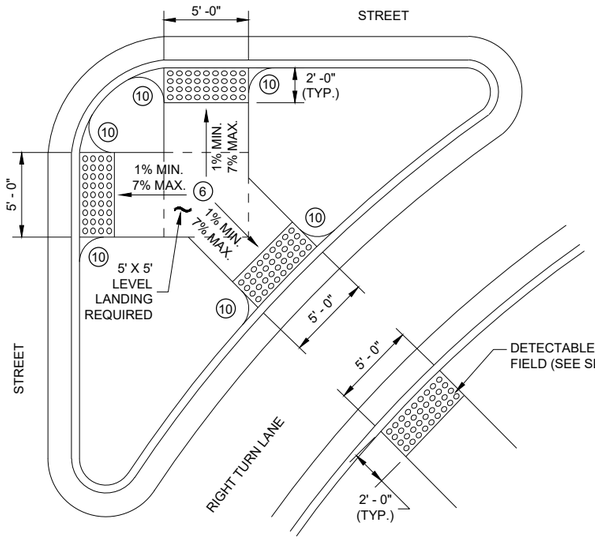
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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

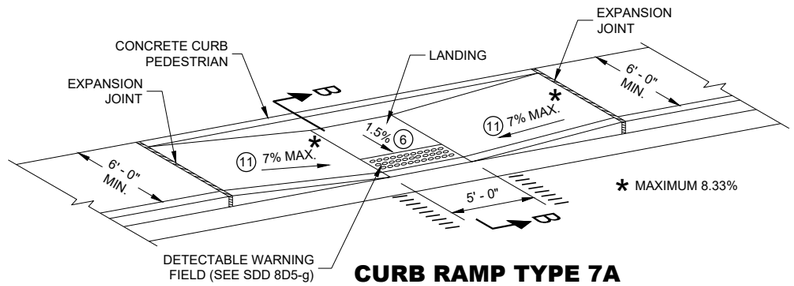
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

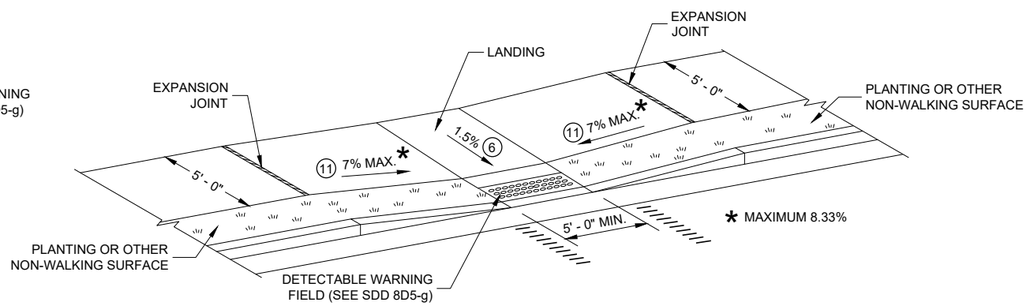
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

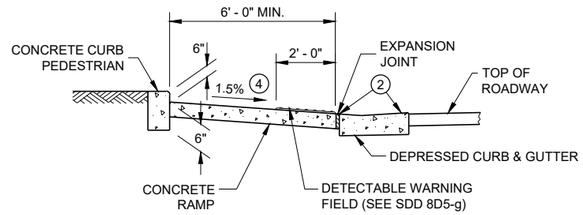
MID BLOCK CROSSING



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

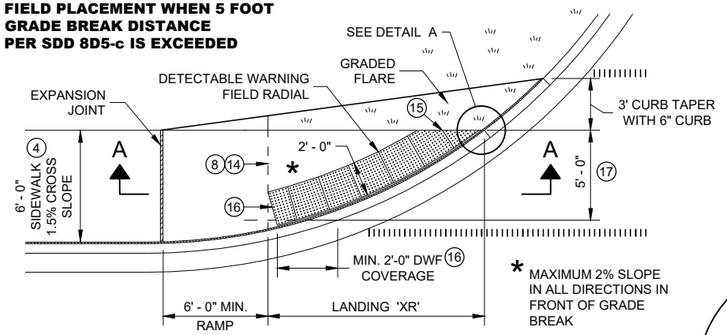
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20e

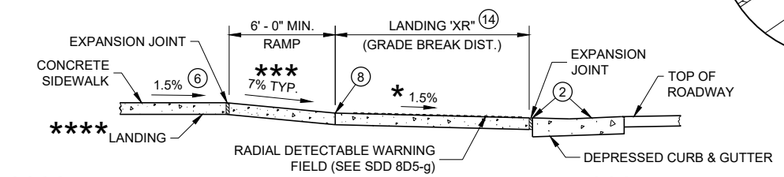
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

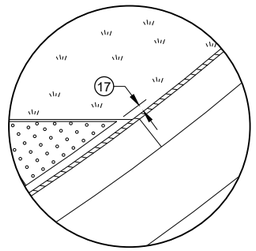
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** 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.

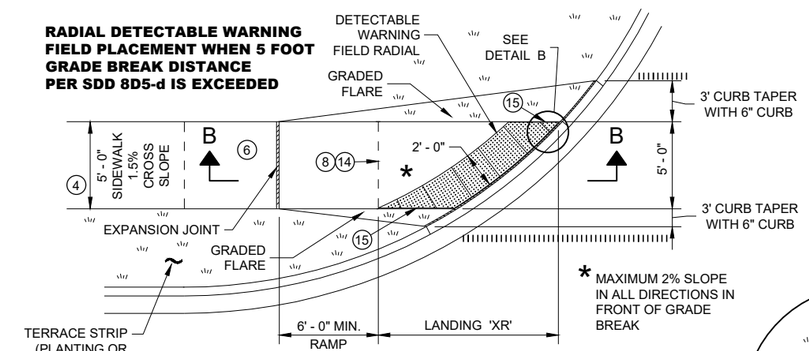
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(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.

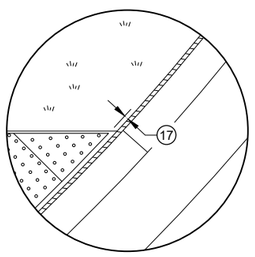
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



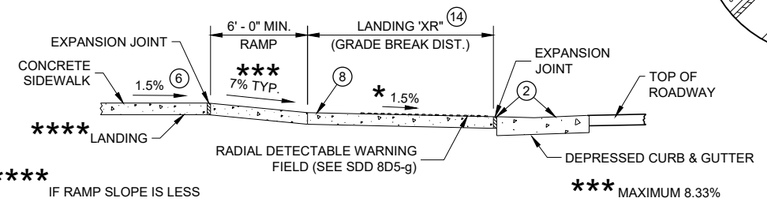
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

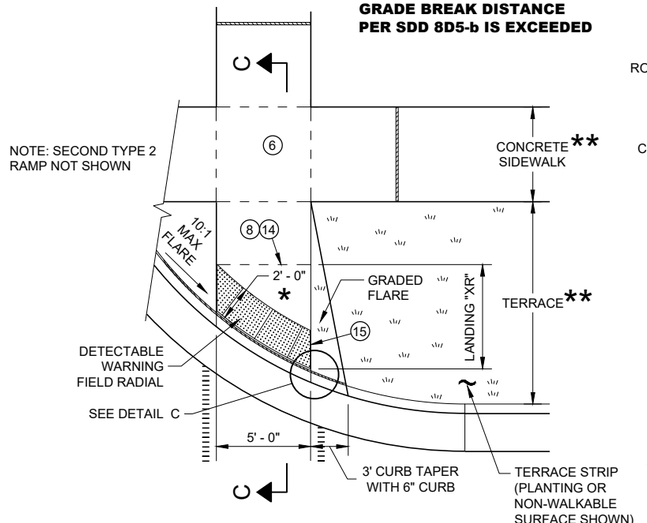


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** 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

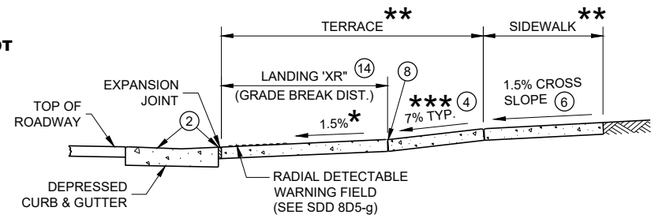


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

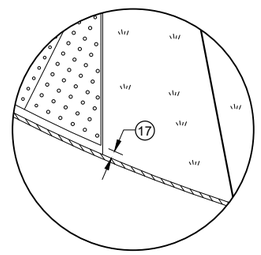


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

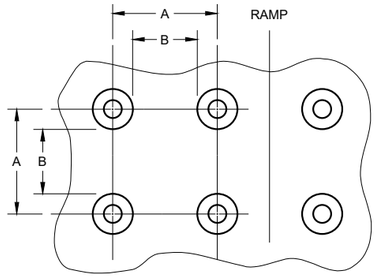
CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS

STATE OF WISCONSIN
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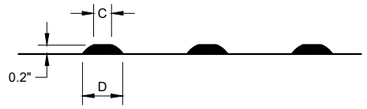
SDD 08D05 - 20f

	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.

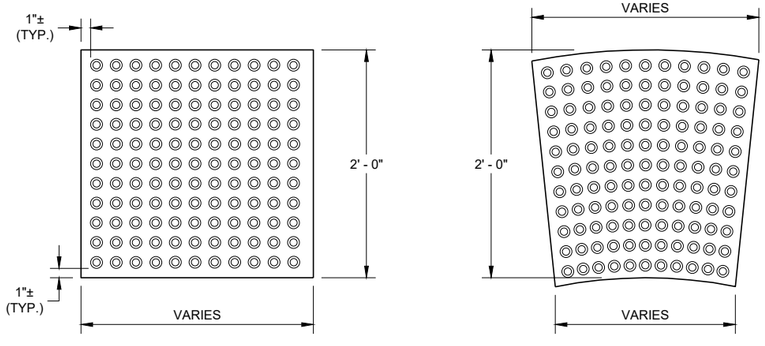


PLAN VIEW



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.

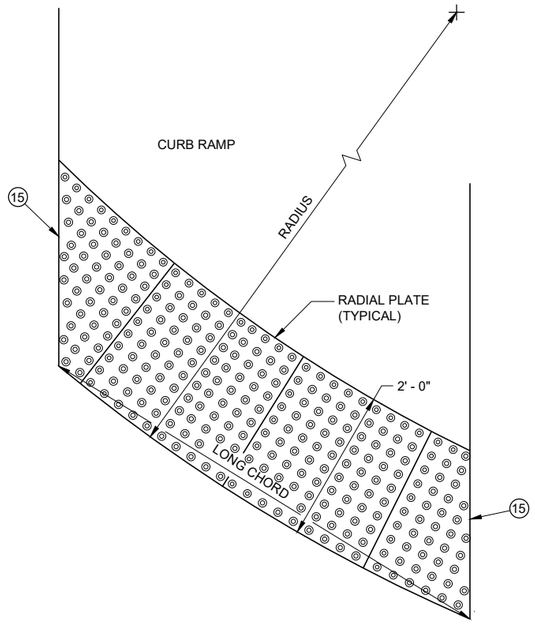
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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.

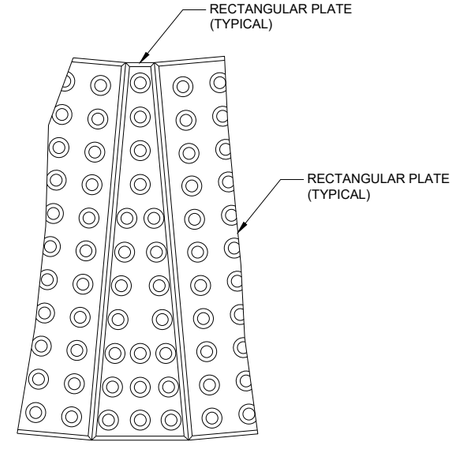
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

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

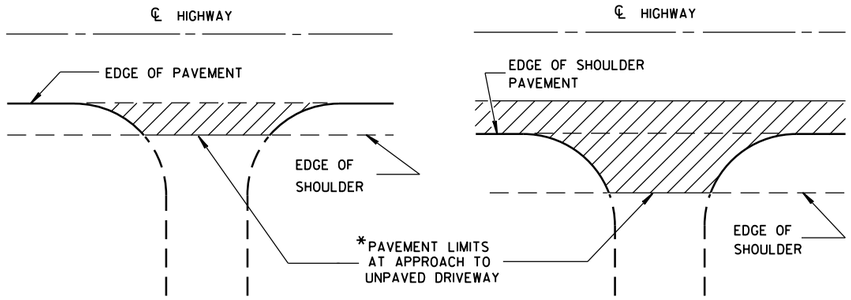
CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

6
SDD 08D05 - 20g

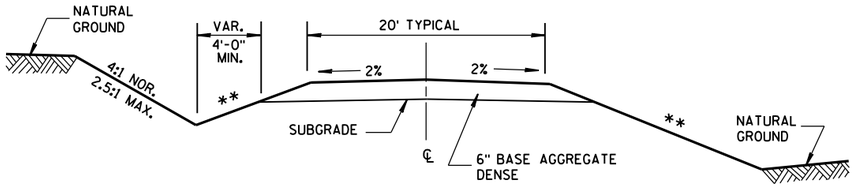


*WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT.

PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB & GUTTER OR SIDEWALK)

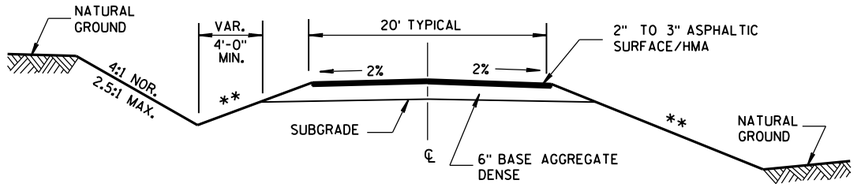


IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

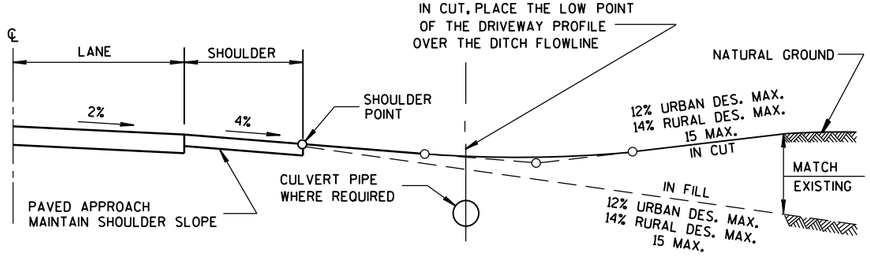
** SLOPE CAN VARY WITH SPEED. SEE 11-45-2.6.2.

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



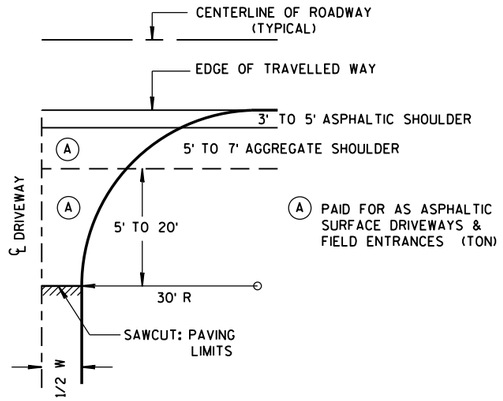
TYPICAL DRIVEWAY PROFILES

DRIVEWAYS WITHOUT CURB & GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

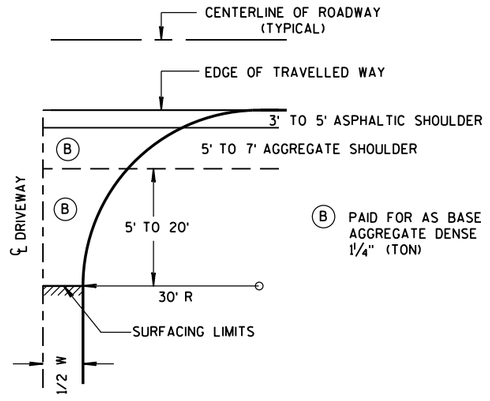
APPROVED
December, 2016 /S/ Rodney Taylor
DATE ROADWAY STANDARDS UNIT SUPERV
FHWA

6 S.D.D. 8 D 21-1



PLAN VIEW
HALF SECTION

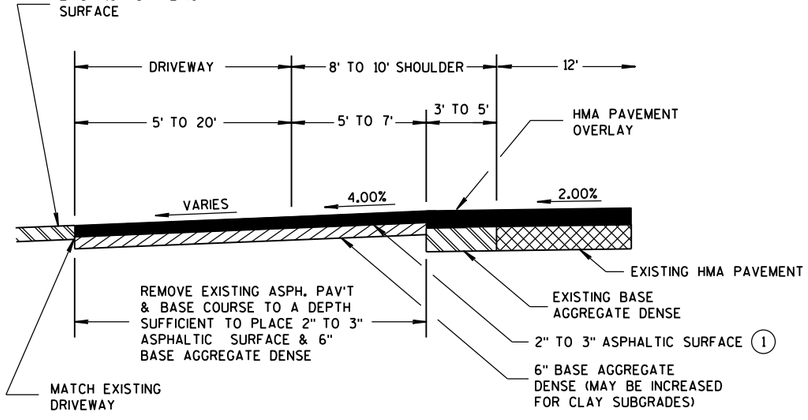
W MIN. = 16'
W MAX. = 24'



PLAN VIEW
HALF SECTION

GENERAL NOTES

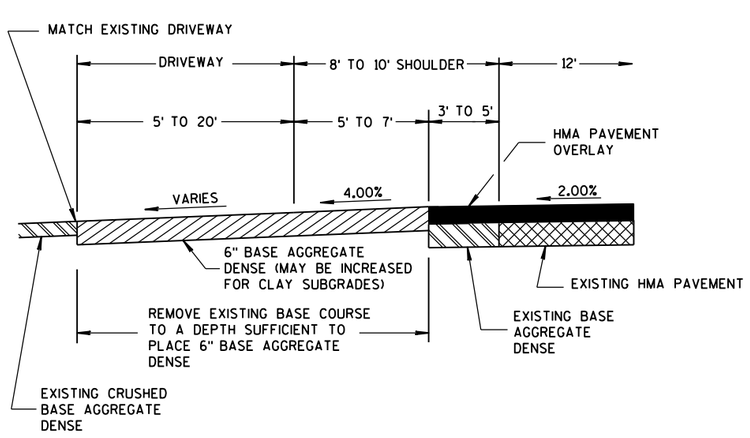
(1) DESIGN WILL DETERMINE FINAL DRIVEWAY ASPHALTIC THICKNESS BASED ON TYPE OF USAGE AND LOADINGS.



PROFILE VIEW

RURAL ENTRANCE WITH ASPHALTIC SURFACE

RESURFACING PROJECTS



PROFILE VIEW

RURAL ENTRANCE WITH AGGREGATE SURFACE

6" BASE AGGREGATE DENSE
RESURFACING PROJECTS

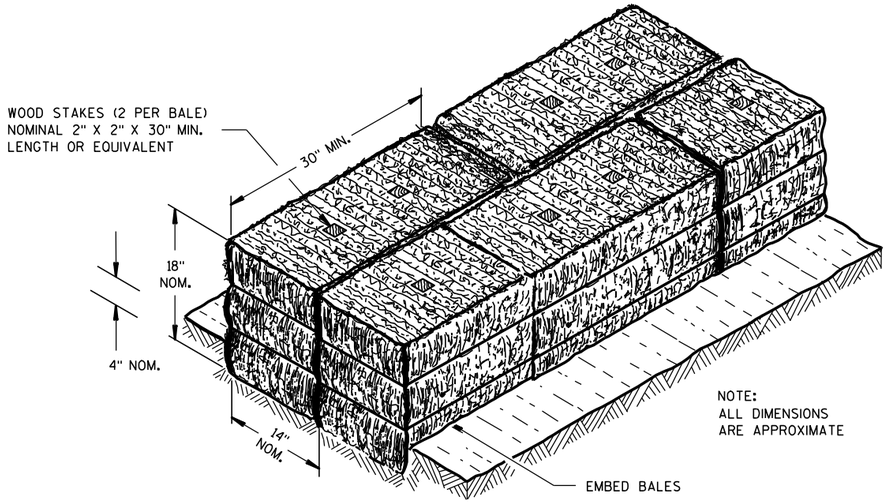
DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

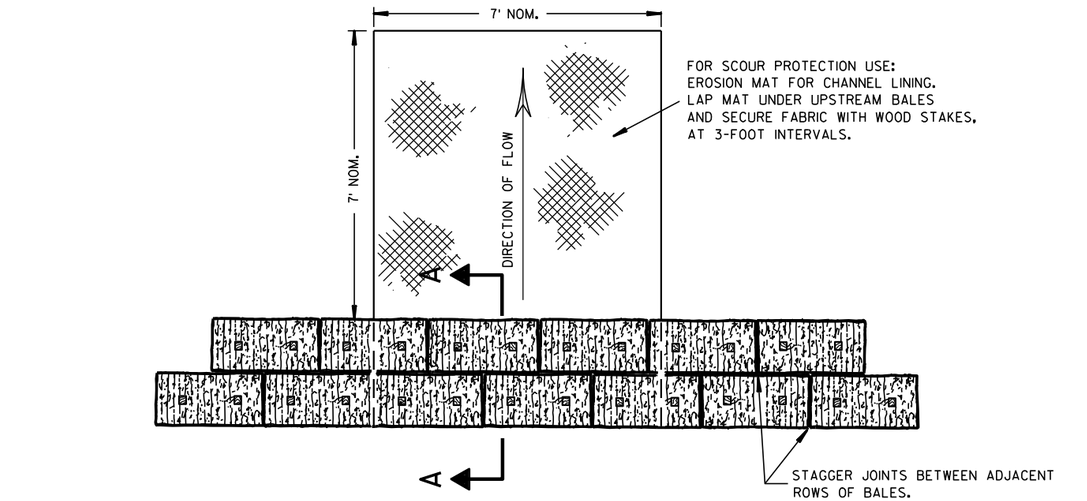
APPROVED
December, 2016 — /S/ Rodney Taylor
DATE — ROADWAY STANDARDS UNIT SUPERV — ENT
FHWA

6

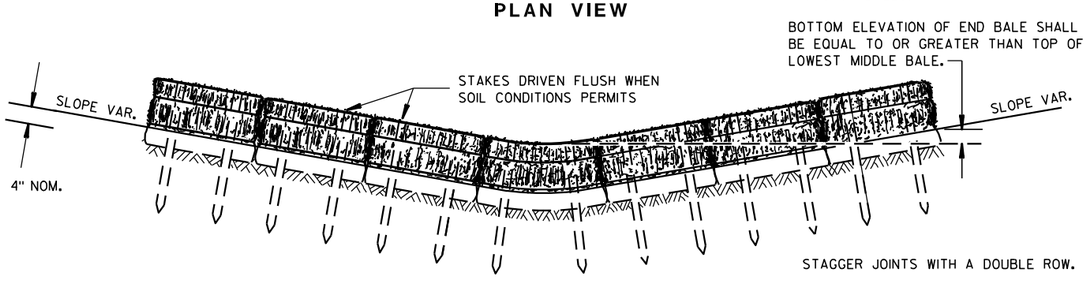
S.D.D. 8 D 22-1



SECTION A-A



PLAN VIEW



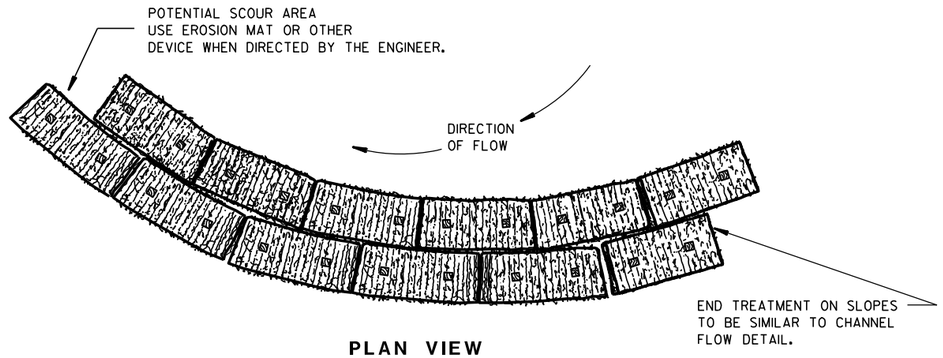
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

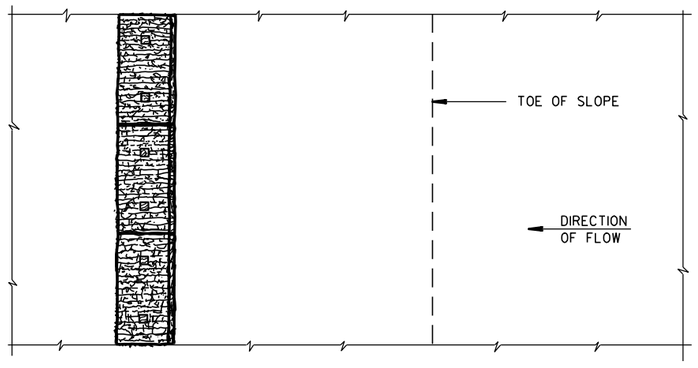
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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.

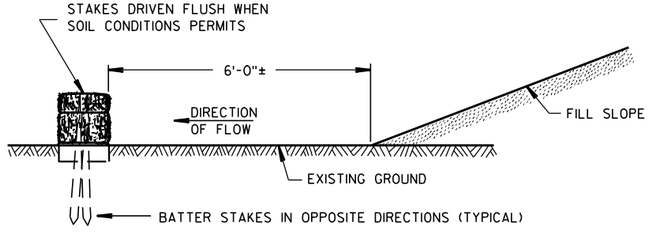


PLAN VIEW

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

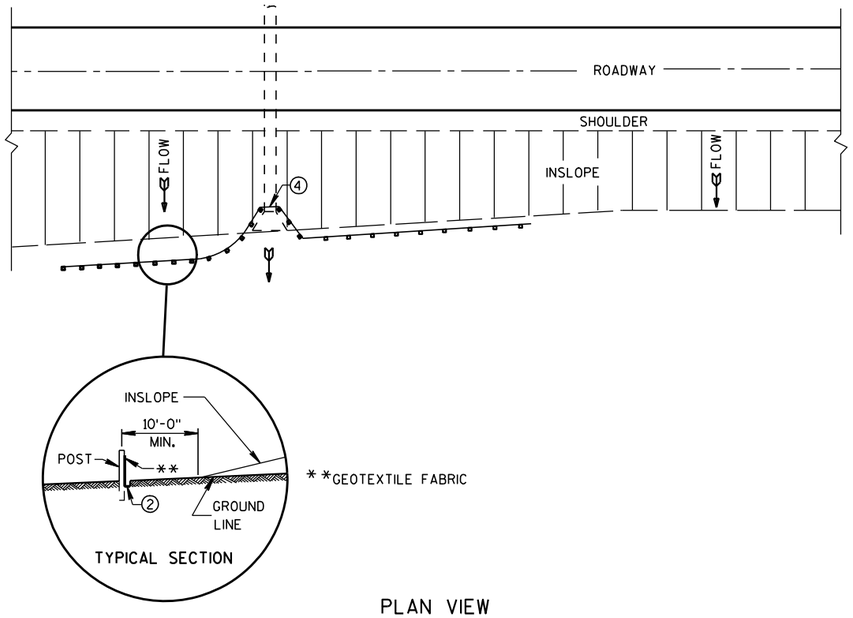
APPROVED
6/04/02 DATE
/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

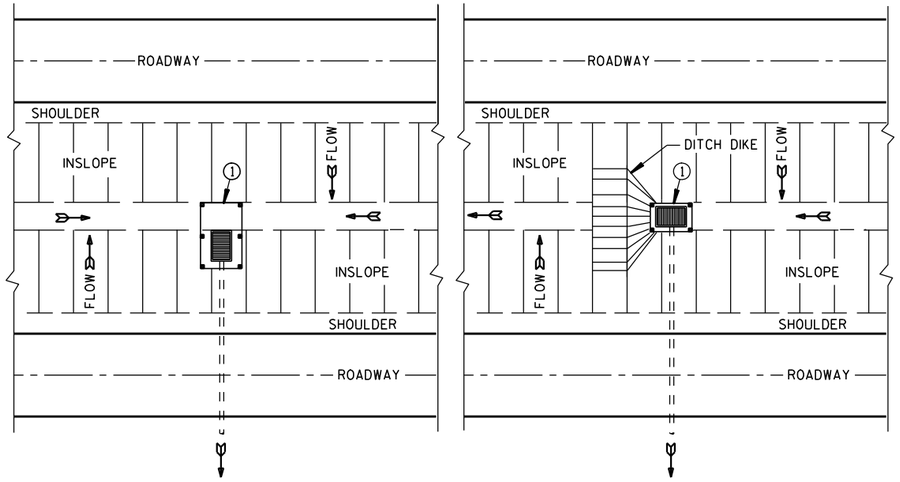
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



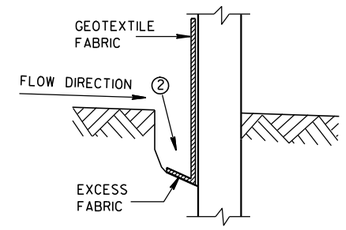
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

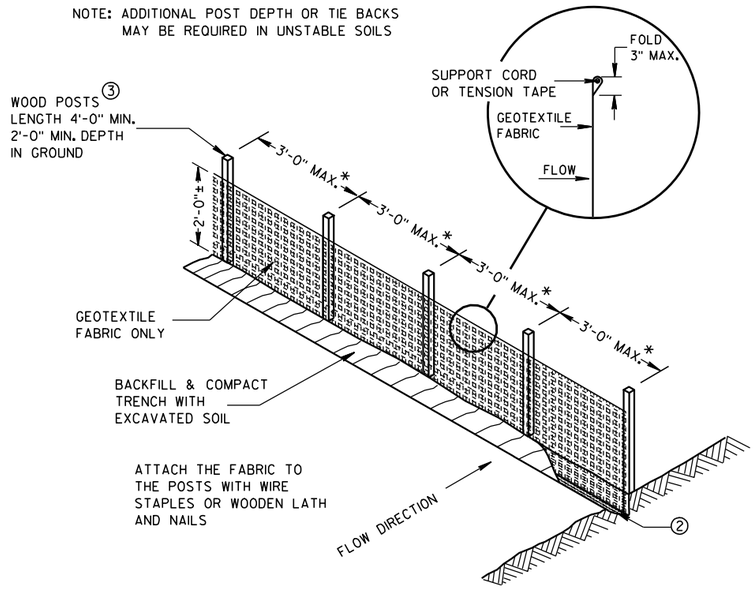
GENERAL NOTES

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

1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

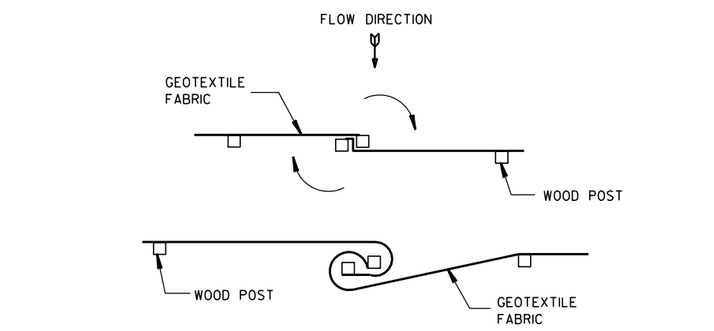


TRENCH DETAIL

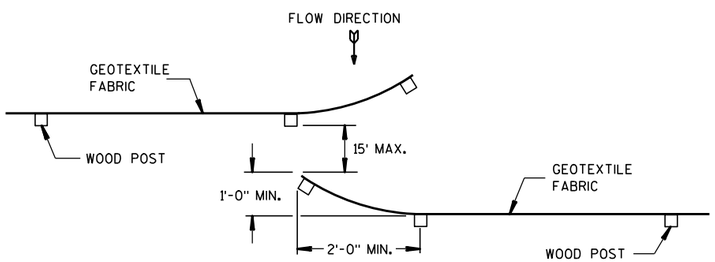


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

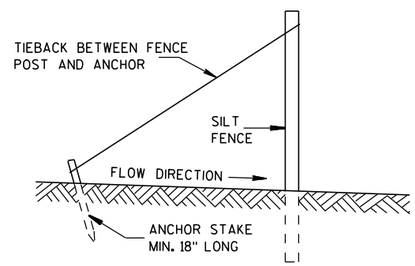


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

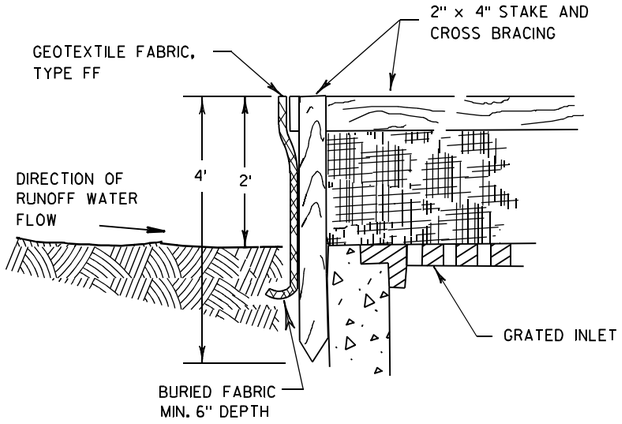
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

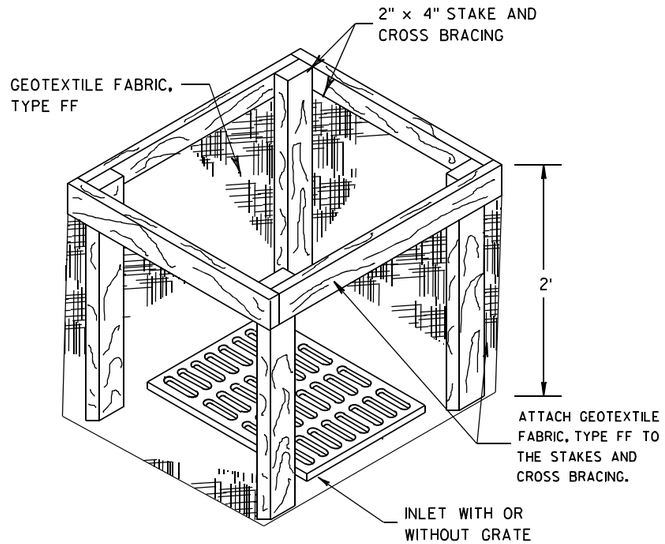
6

S.D.D. 8 E 9-6

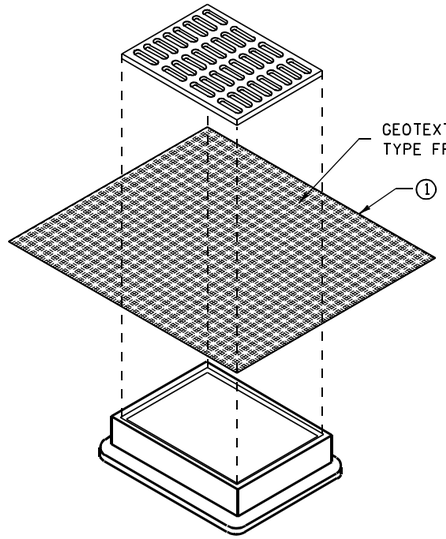
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S.D.D. 8 E 9-6



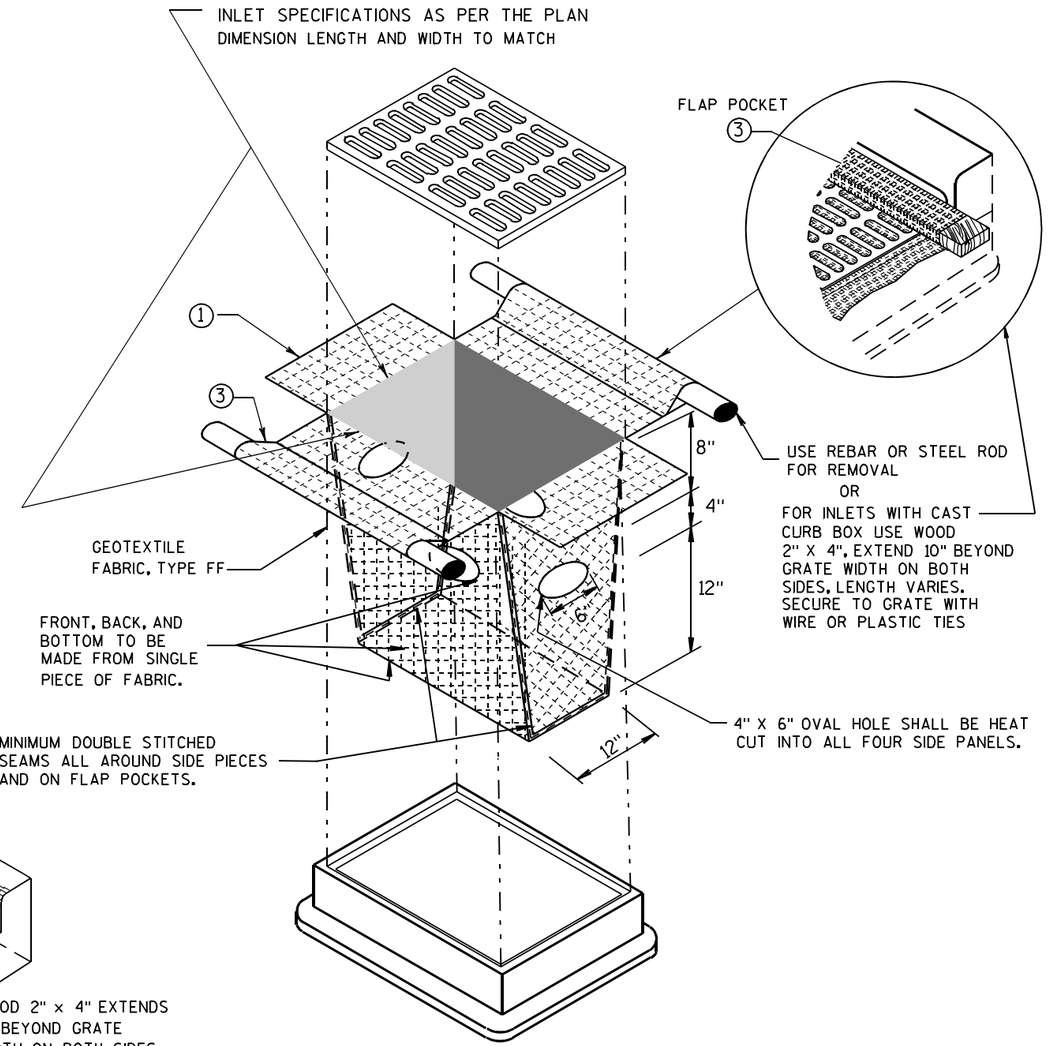


INLET PROTECTION, TYPE A



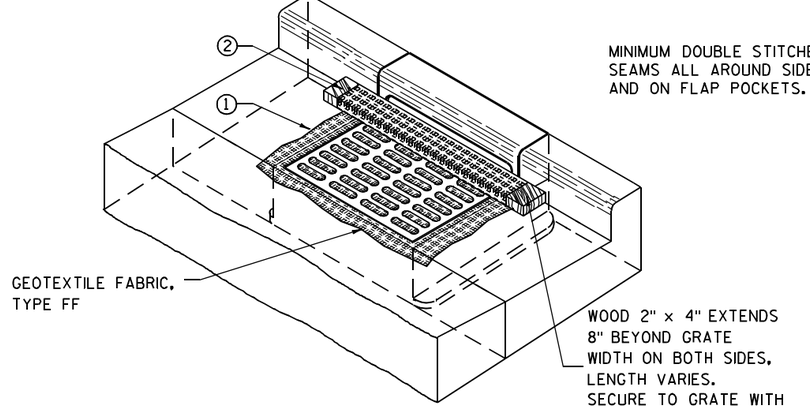
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)



INLET PROTECTION, TYPE C (WITH CURB BOX)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

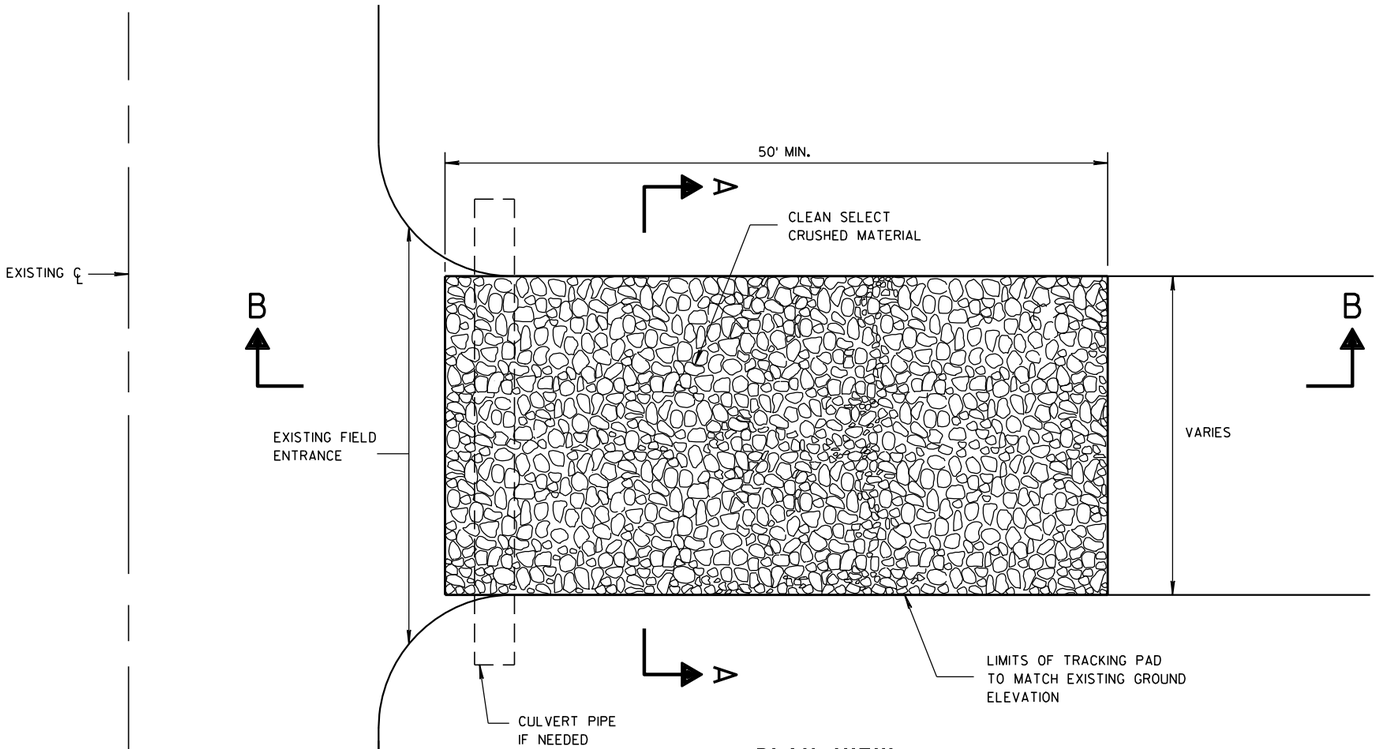
10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

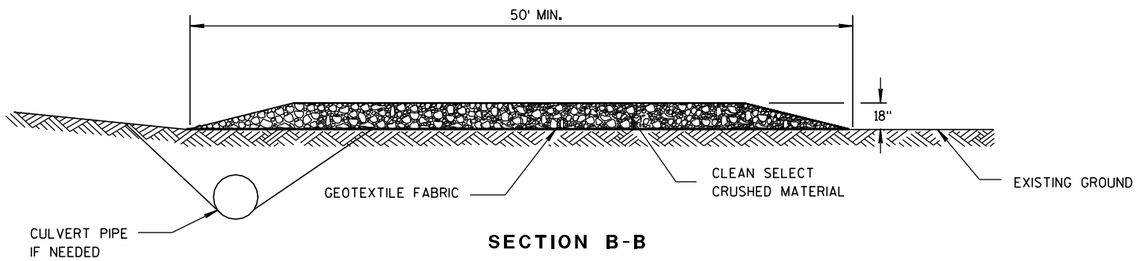
FHWA

6

S.D.D. 8 E 10-2



PLAN VIEW



SECTION B-B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

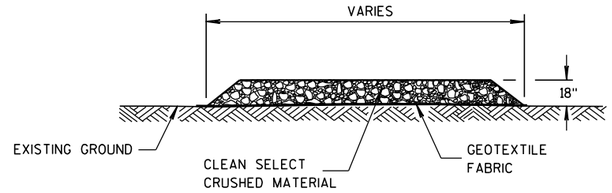
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

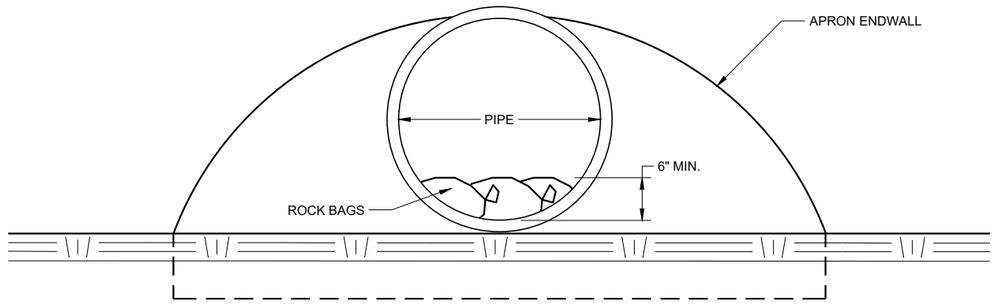
TRACKING PAD

TRACKING PAD

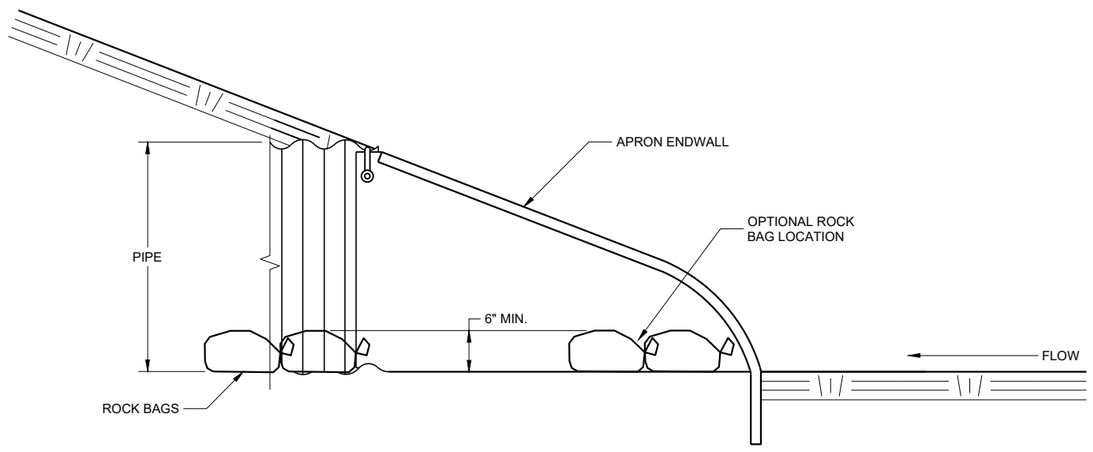
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS ENGINEER
222
ENT
FHWA

6
S.D.D. 8 E 14-1



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Daniel Schave
EROSION CONTROL ENGI

FHWA

6

SDD 08E15 - 01

6

SDD 08E15 - 01

METAL APRON ENDWALLS

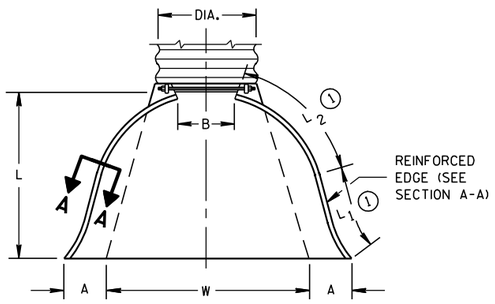
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

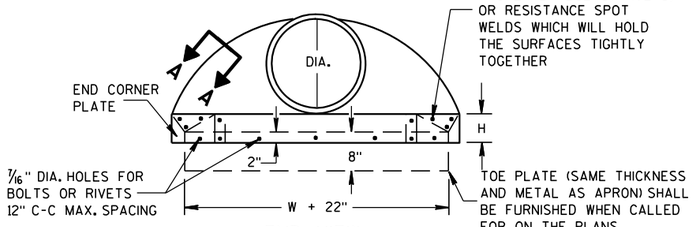
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

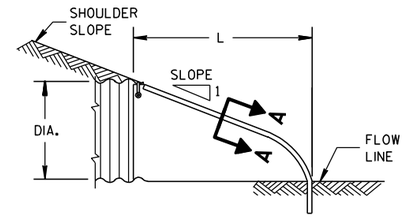
*MINIMUM
**MAXIMUM



PLAN VIEW

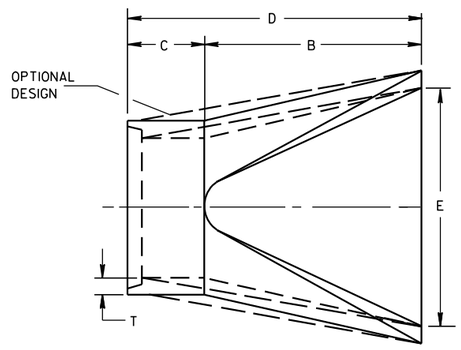


END VIEW

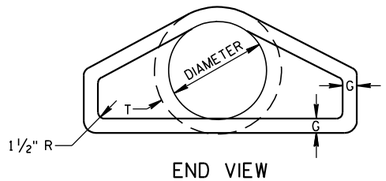


SIDE ELEVATION

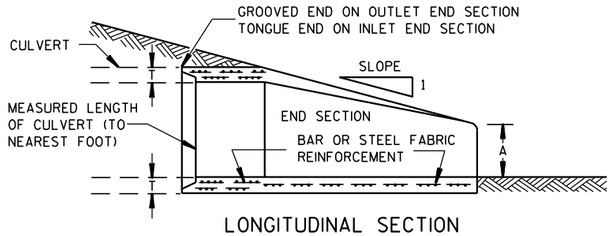
METAL ENDWALLS



PLAN

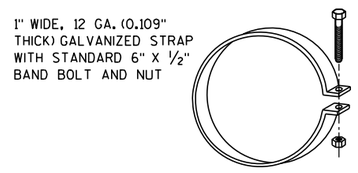


END VIEW



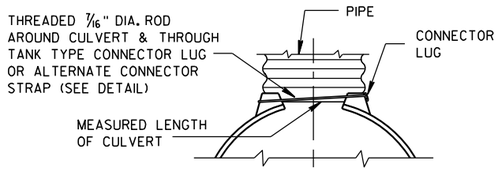
LONGITUDINAL SECTION

CONCRETE ENDWALLS

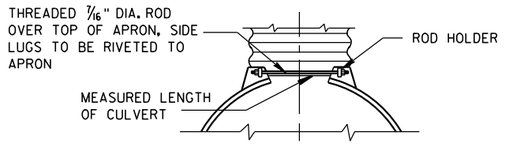


ALTERNATE FOR TYPE 1 CONNECTION

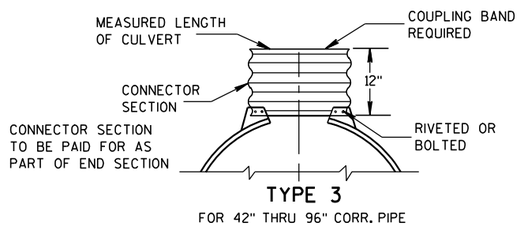
END SECTION CONNECTOR STRAP



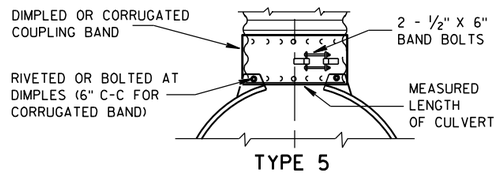
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

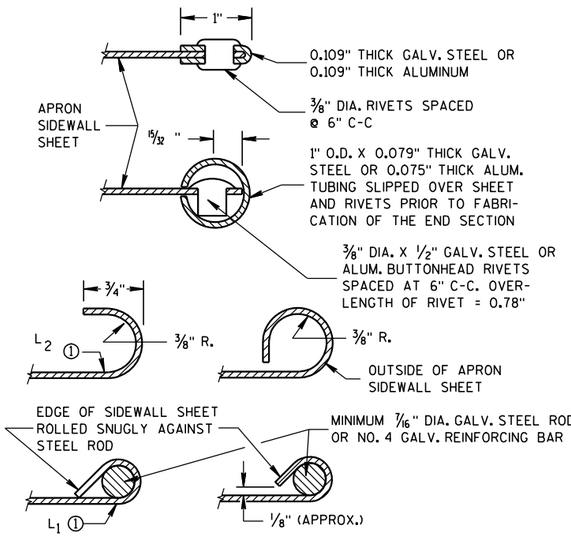
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

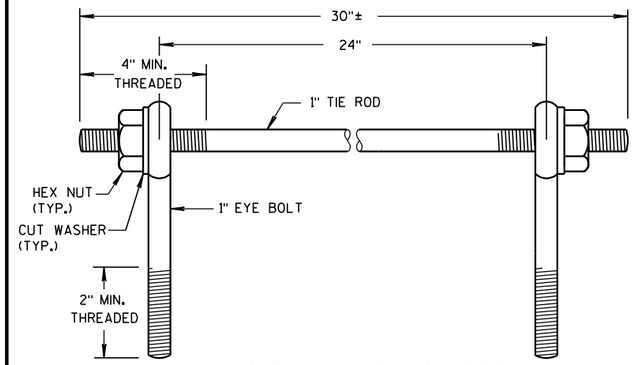
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

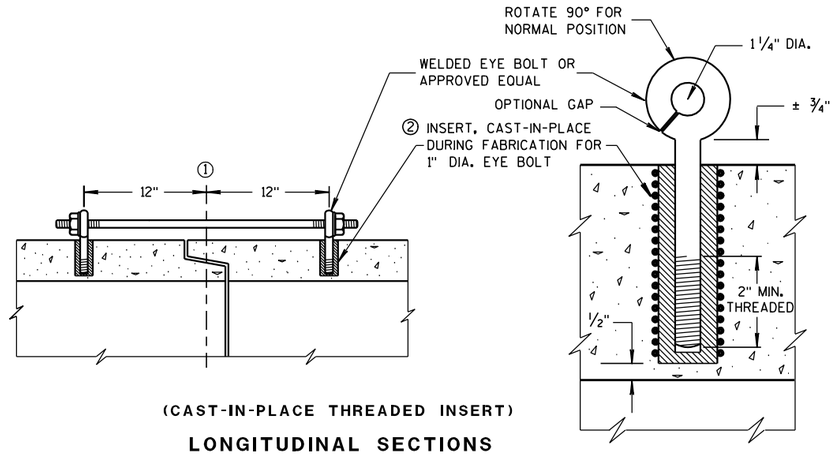
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

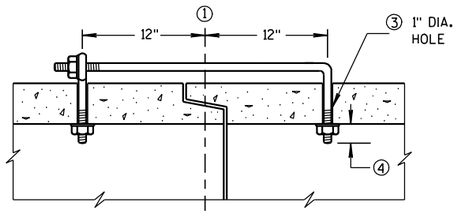
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

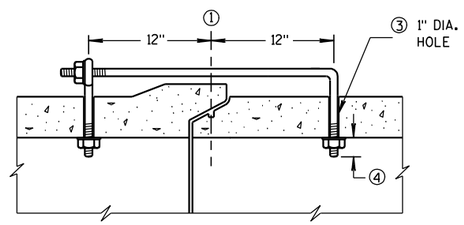
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

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)

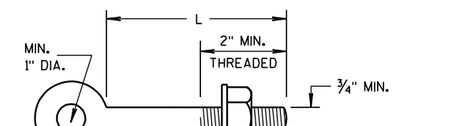


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

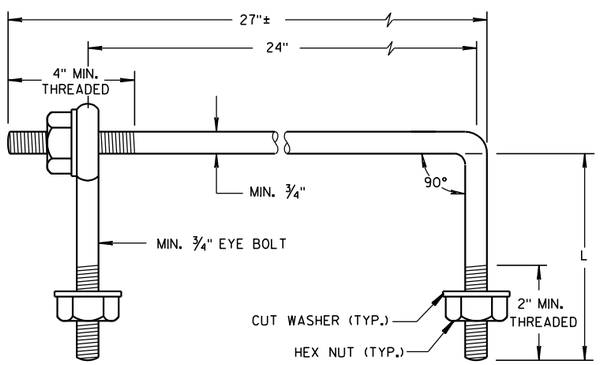
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



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

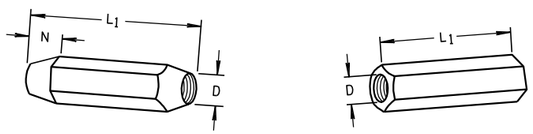
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

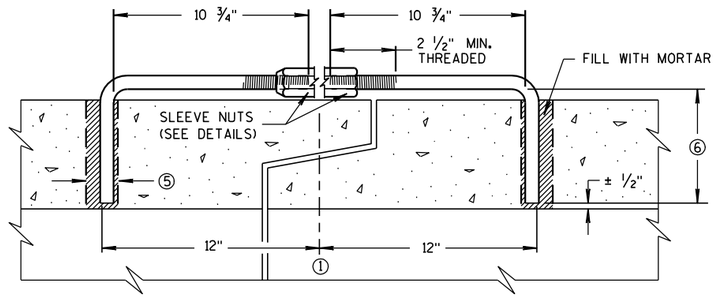
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

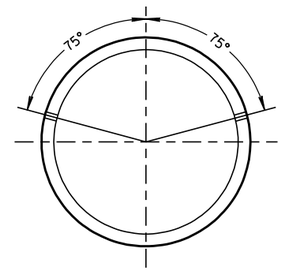
SLEEVE NUTS



LONGITUDINAL SECTION

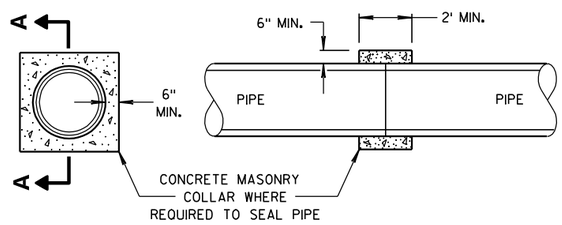
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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
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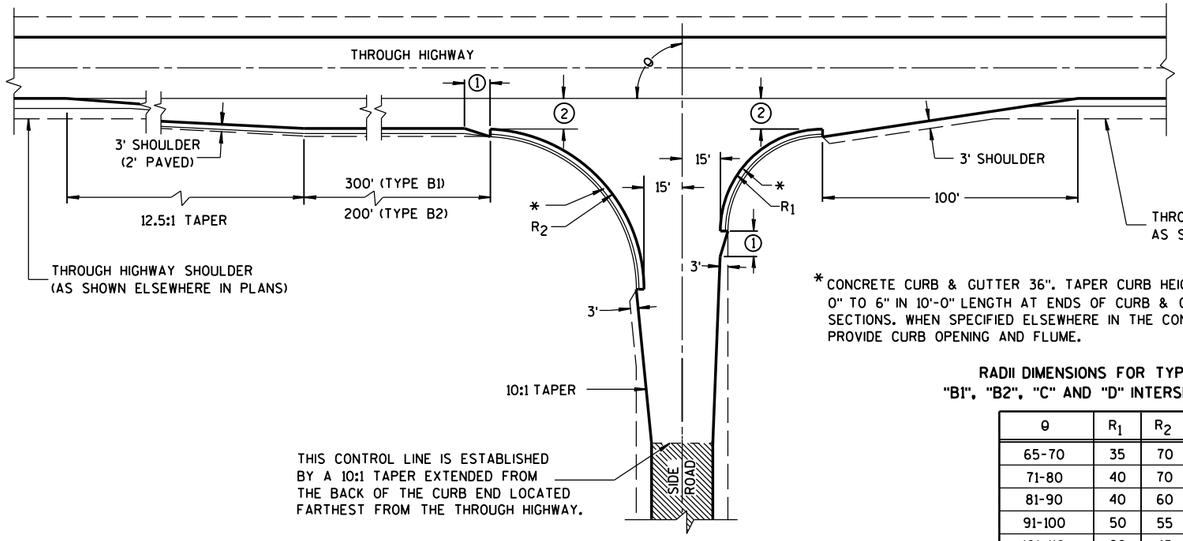
APPROVED
6/5/2012 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
225
FHWA

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S.D.D. 8 F 4-7

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S.D.D. 8 F 4-7

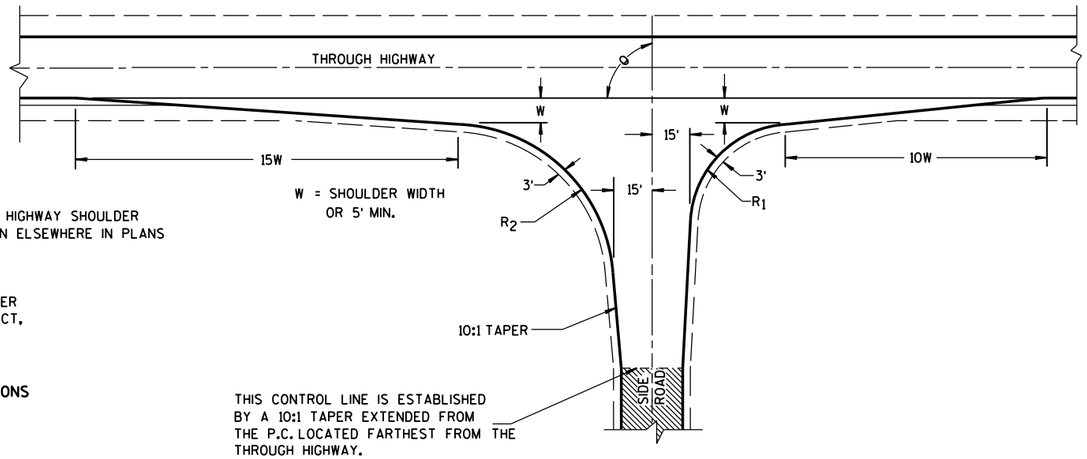


TYPE "B1" AND "B2"

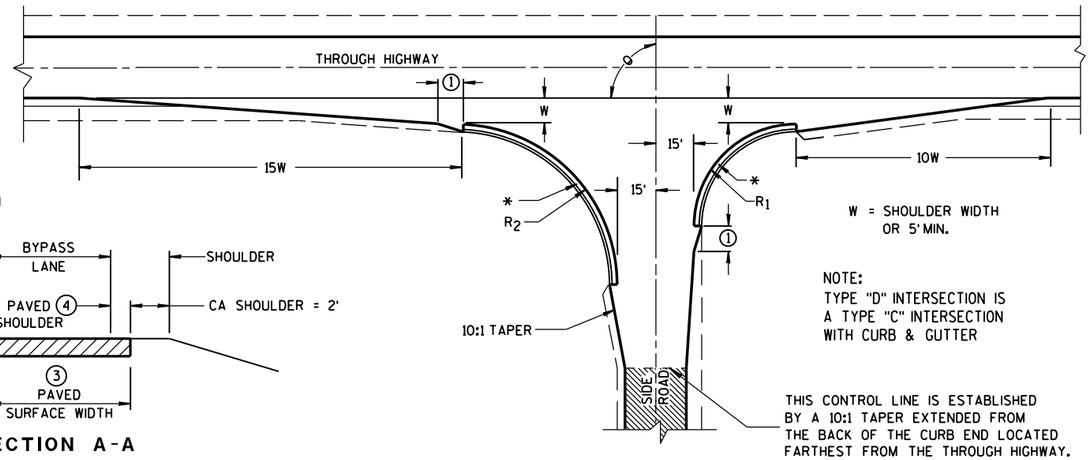
*CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65-70	35	70
71-80	40	70
81-90	40	60
91-100	50	55
101-110	60	45



TYPE "C"



TYPE "D"

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

EXISTING PAVED SURFACE

BYPASS LANE

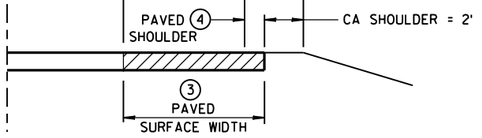
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

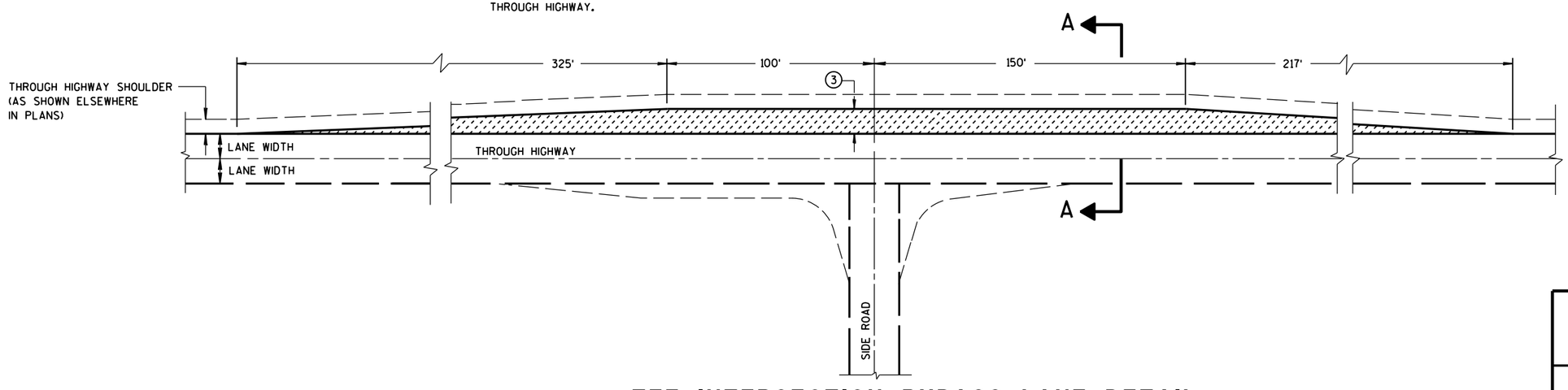
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
-ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
-PC CPNCRETE = 13-FT PLUS PAVED SHOULDER WIDTH.

(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)



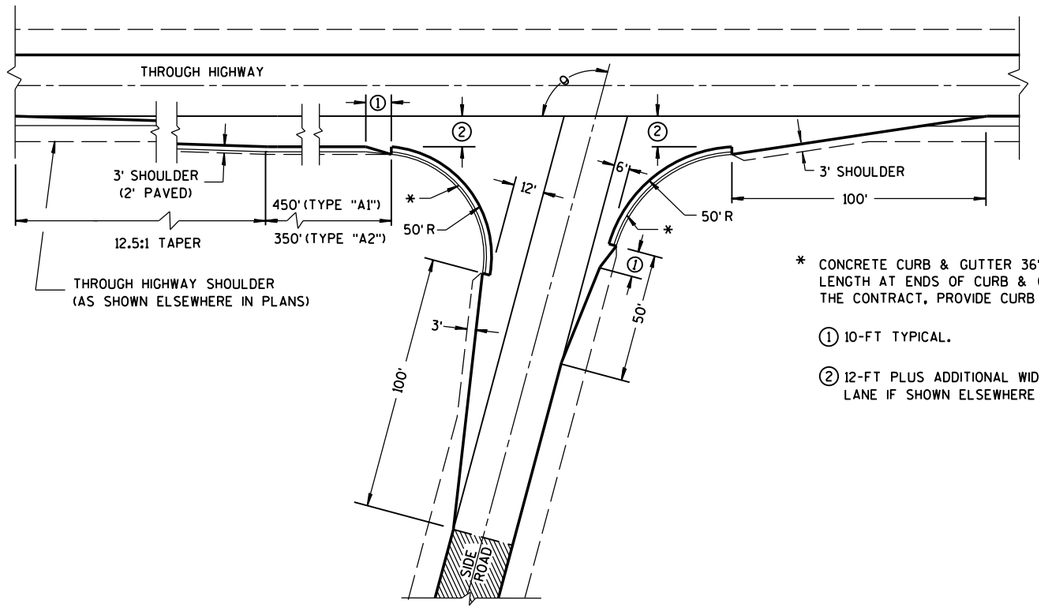
TEE INTERSECTION BYPASS LANE DETAIL

AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

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S.D.D. 9 A 1-13a



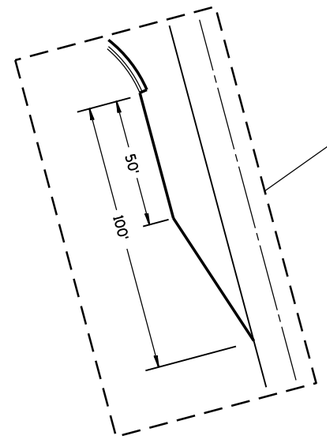
θ = MORE THAN 80°

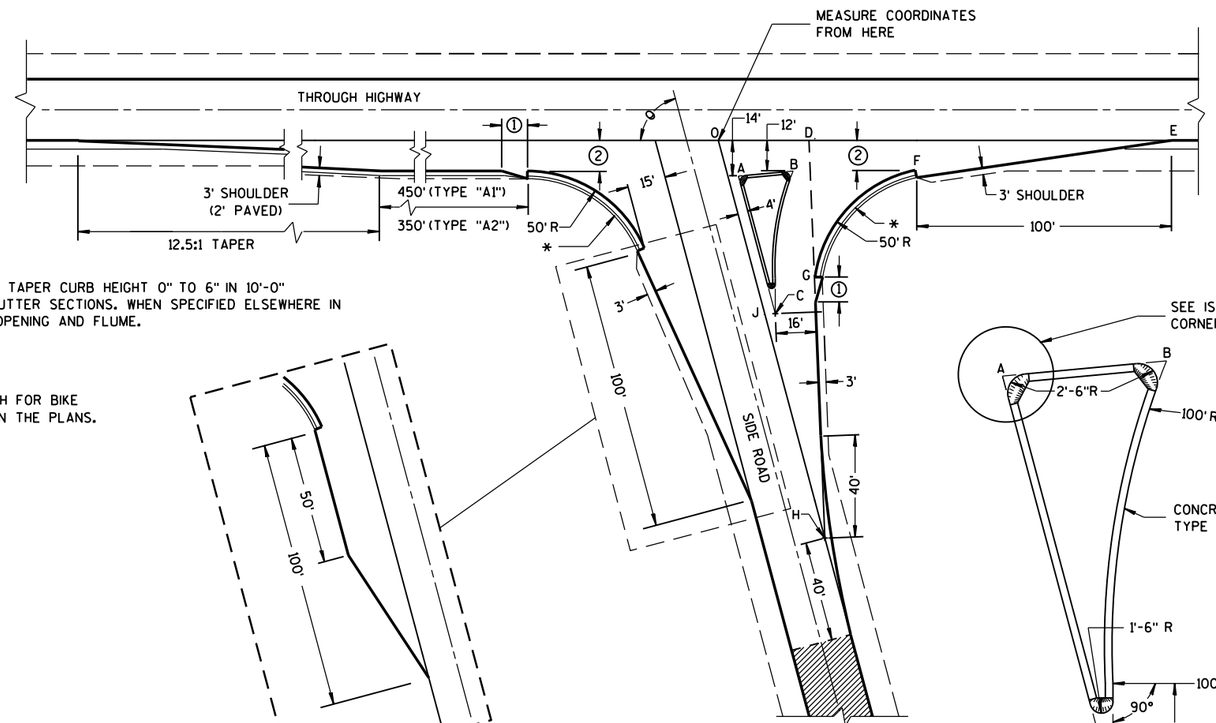
* CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

① 10-FT TYPICAL.

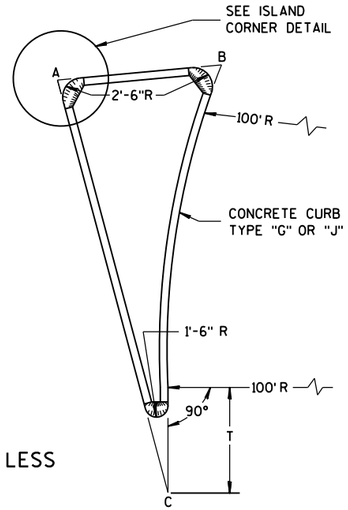
② 12-FT PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLANS.

EXISTING PAVED SURFACE

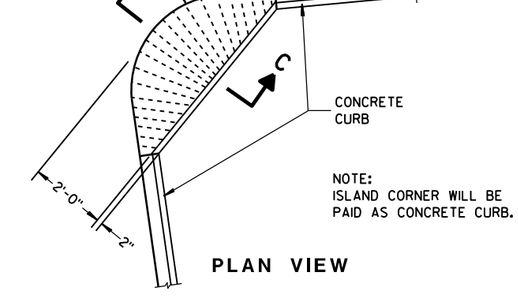




θ = ACUTE ANGLES 80° OR LESS

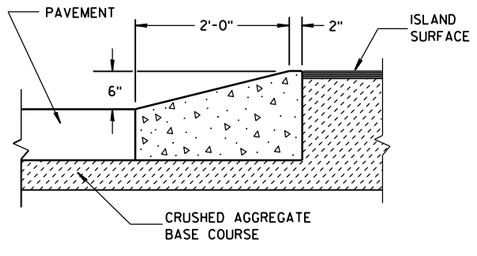


SIDE ROAD WIDENING AND TAPER REQUIRED WHERE
THE THROUGH HIGHWAY CARRIES TWO-WAY TRAFFIC
θ = ACUTE ANGLES 70° OR LESS



NOTE:
ISLAND CORNER WILL BE
PAID AS CONCRETE CURB.

PLAN VIEW



SECTION C-C

ISLAND CORNER DETAIL

(TO BE CONSTRUCTED AT ALL ISLAND CORNERS)

TABLE OF DIMENSIONS FOR
VARIABLE SIDE ROAD INTERSECTION ANGLES
(INTERPOLATE VALUES FOR ANGLES NOT SHOWN)

ANGLE θ DEGREES	COORDINATES IN FEET (MEASURED FROM POINT "O") X / Y								LENGTH IN FEET				
	A	B	C	D	E	F	G	H	AB	AC	T	OJ	OH
60	12.7 / -14.0	44.9 / -12.0	46.4 / -72.4	41.9 / 0.0	205.0 / 0.0	104.6 / -12.0	64.0 / -75.5	85.0 / -147.1	32.3	67.4	4.9	85.9	169.9
65	10.9 / -14.0	39.0 / -12.0	37.8 / -71.6	39.4 / 0.0	196.1 / 0.0	95.7 / -12.0	54.1 / -71.5	70.5 / -151.3	28.2	63.6	8.5	80.9	166.9
70	9.4 / -14.0	33.9 / -12.0	29.8 / -70.1	37.4 / 0.0	188.3 / 0.0	87.8 / -12.0	45.6 / -67.5	56.1 / -154.2	24.6	59.7	11.5	76.1	164.1
75	7.9 / -14.0	29.3 / -12.0	22.3 / -67.9	35.7 / 0.0	181.2 / 0.0	80.7 / -12.0	38.2 / -63.4	41.8 / -155.9	21.5	55.8	13.8	71.4	161.4
80	6.5 / -14.0	25.4 / -12.0	15.6 / -65.2	34.4 / 0.0	174.8 / 0.0	74.4 / -12.0	31.8 / -59.3	27.6 / -156.5	18.9	52.0	15.6	66.9	158.9

TYPE "A1" & "A2" SIDE ROAD INTERSECTION DETAILS

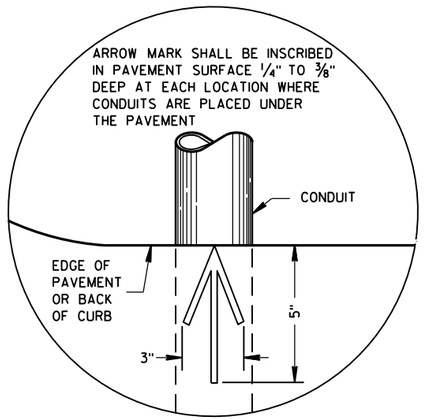
AT-GRADE SIDE ROAD
INTERSECTION, TYPE "A1" & "A2"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/18/12 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

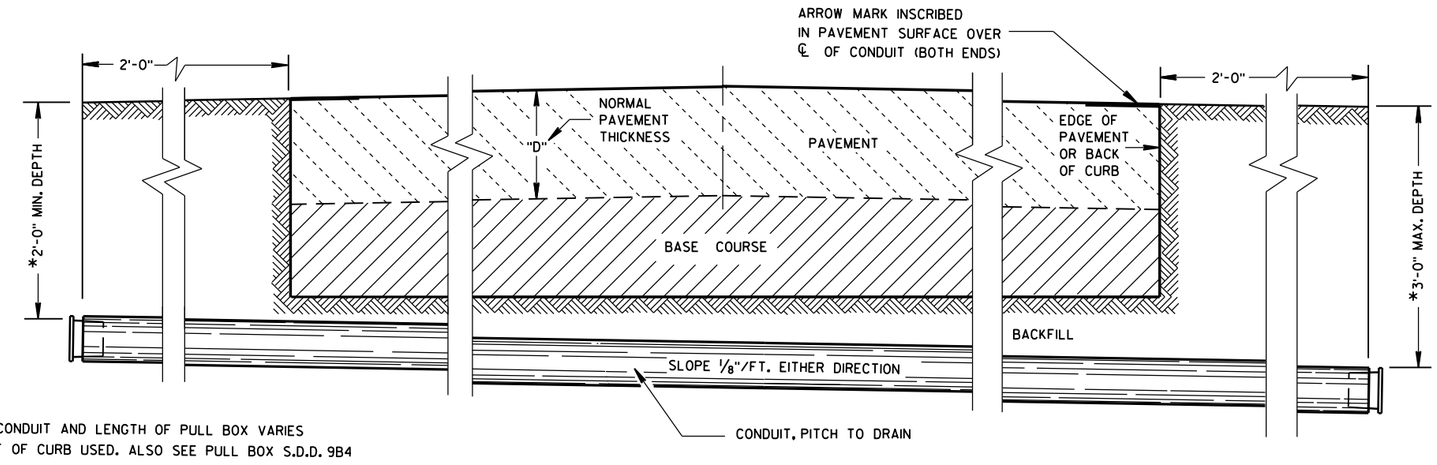
S.D.D. 9 A 1-13b

6



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

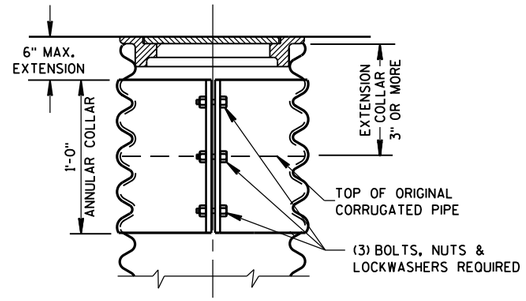
APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 228
FHWA

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

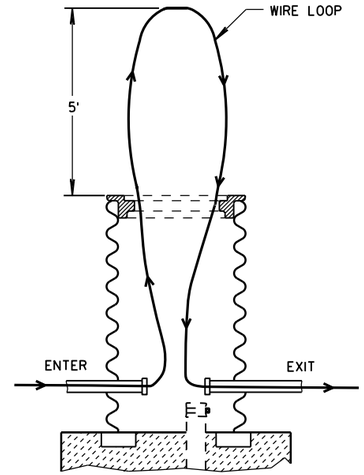
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

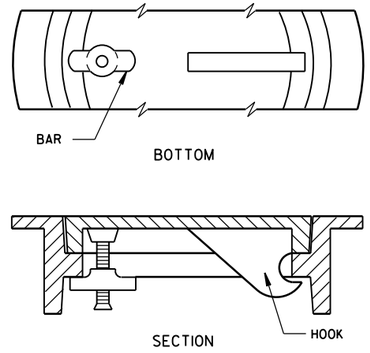
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

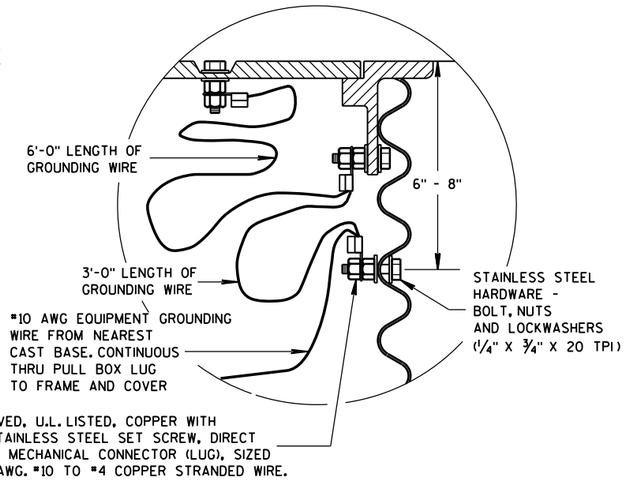


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

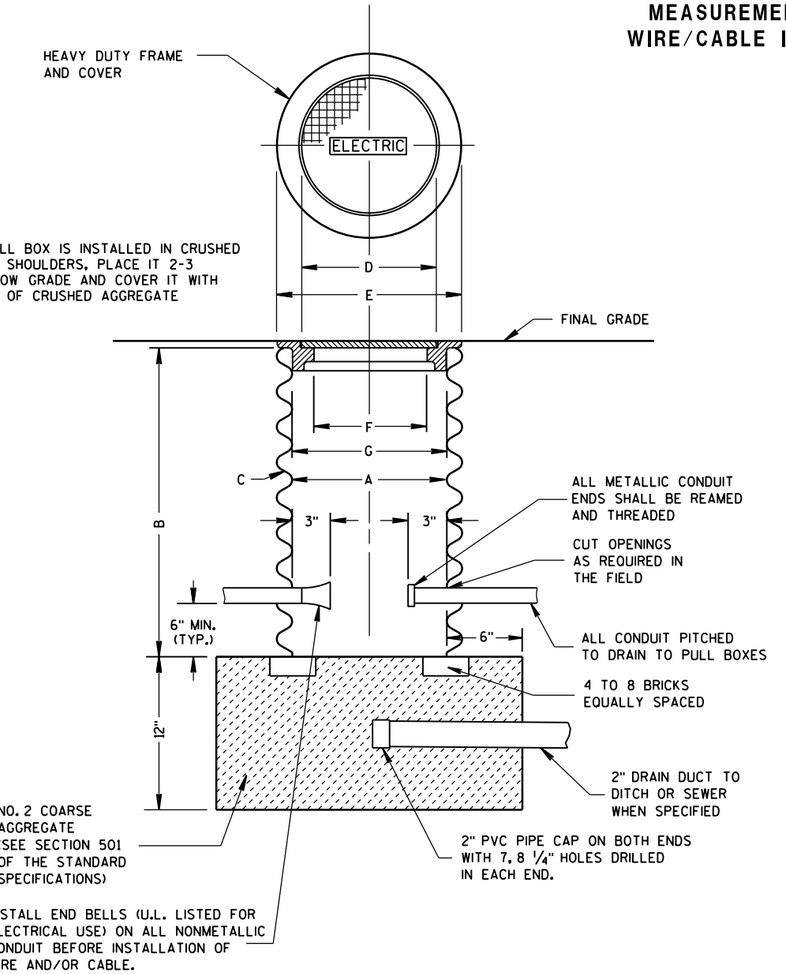


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

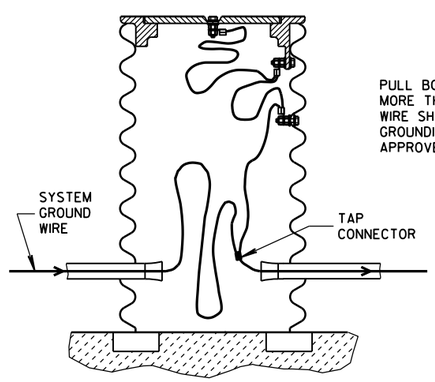
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX

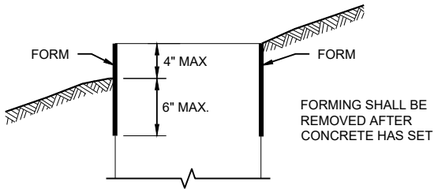
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 4-11

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWINGSHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL BENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

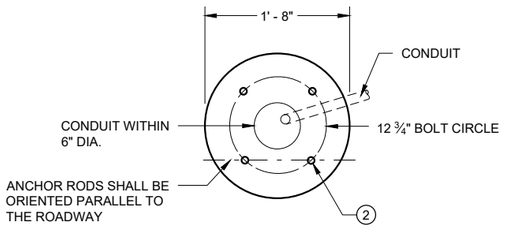
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

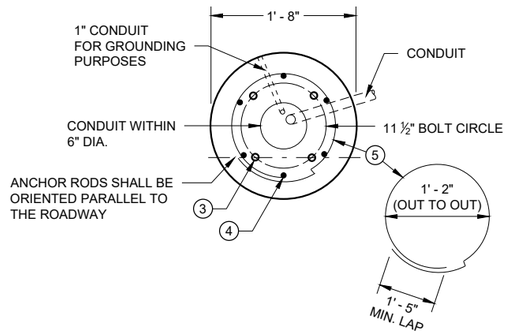
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

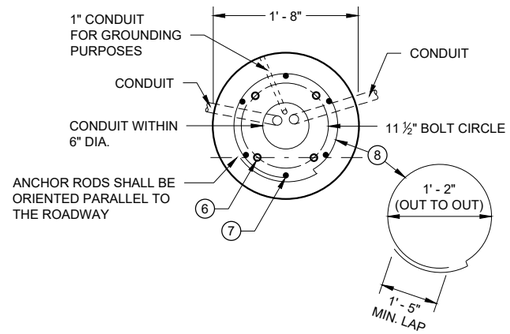
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







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

2 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

3 (4) 1" DIA. X 5' - 0" ANCHOR RODS.

4 (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

5 (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

6 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

7 (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

8 (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

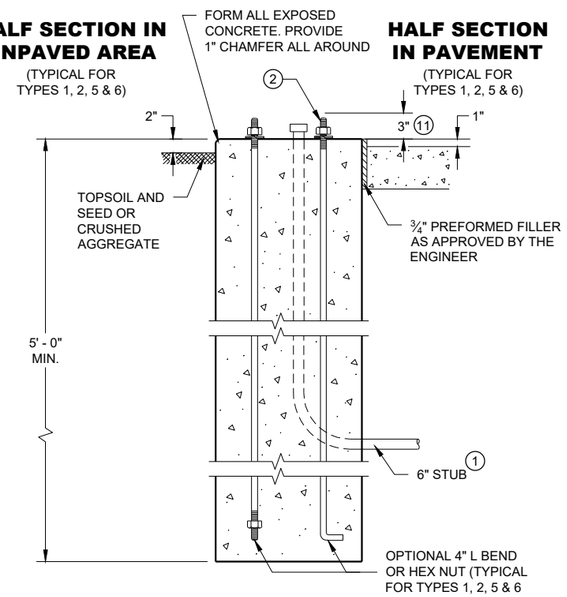
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

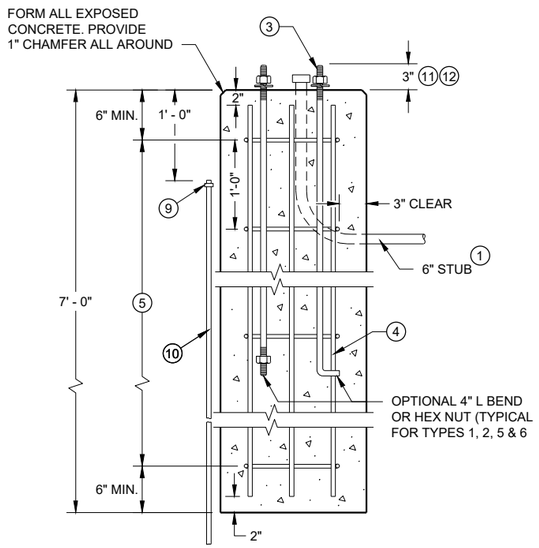
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

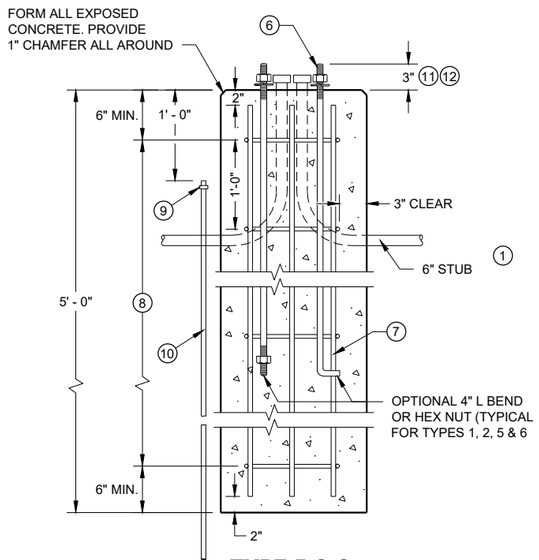
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES
TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 230
FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 641.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

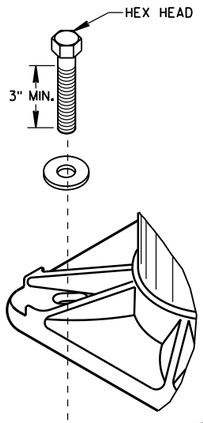
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

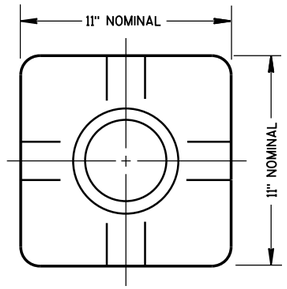
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

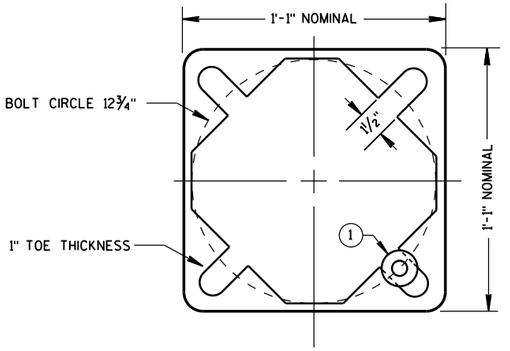
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

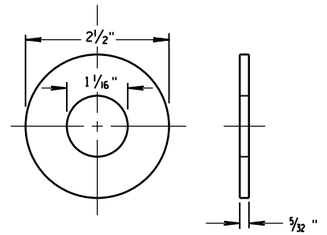




TOP VIEW
(PEDESTAL BASE)

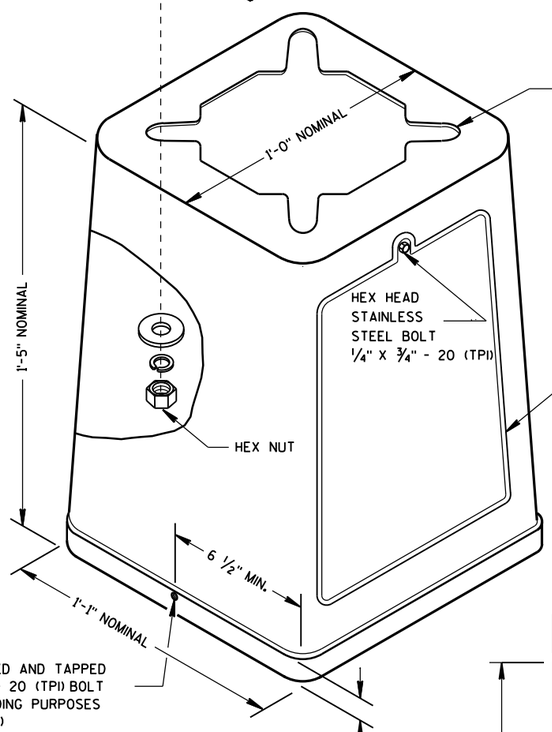


BOTTOM VIEW
(PEDESTAL BASE)

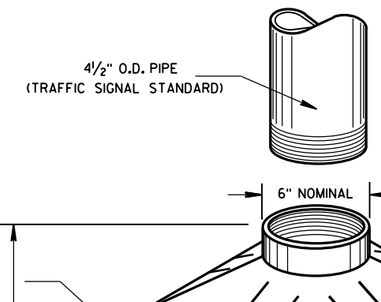


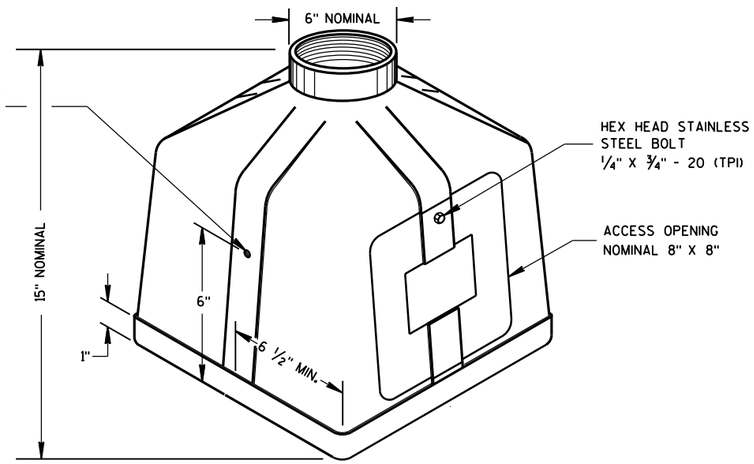
ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)



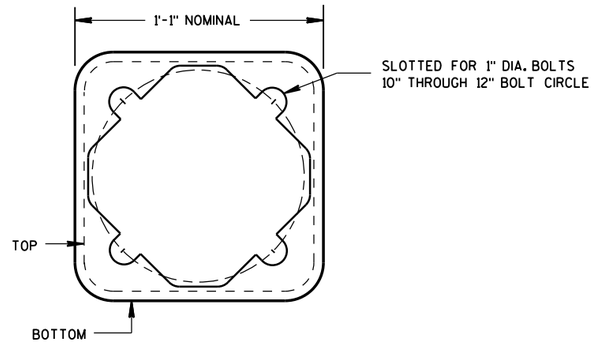
ISOMETRIC VIEW



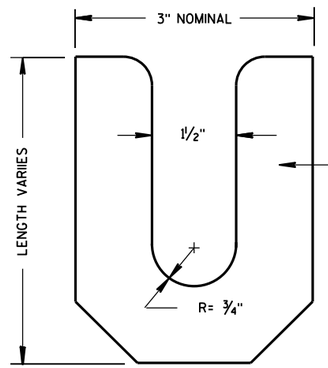


ISOMETRIC VIEW

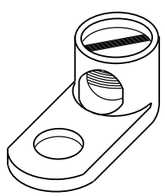
PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)



LEVELING SHIM



TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES

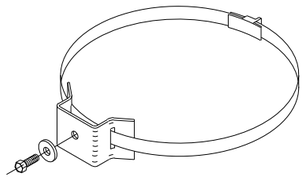
TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

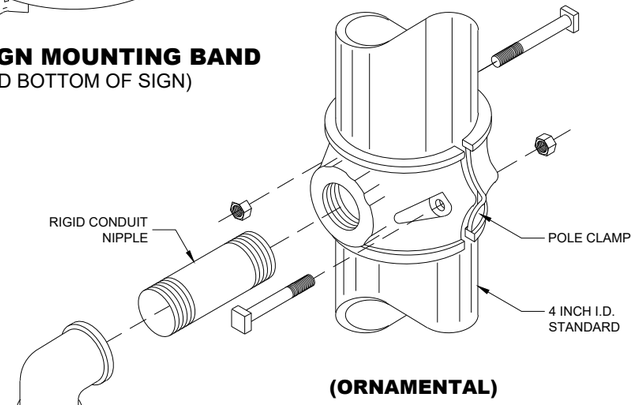
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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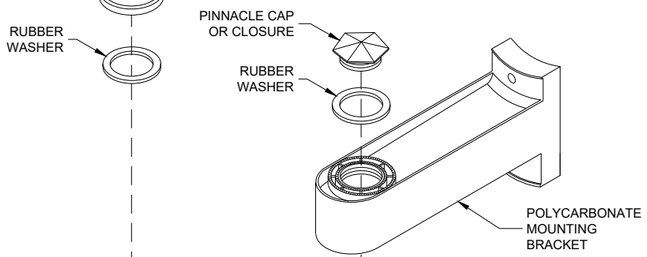
S.D.D. 9 C 3-4



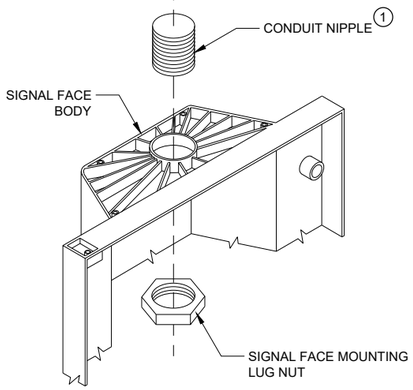
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



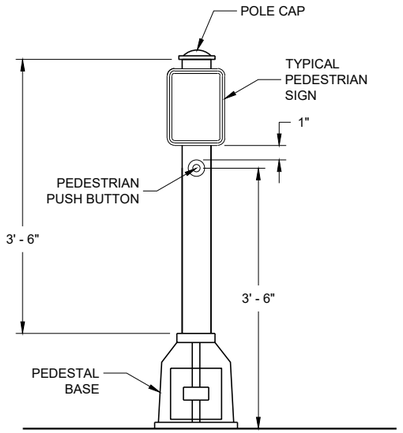
(ORNAMENTAL)



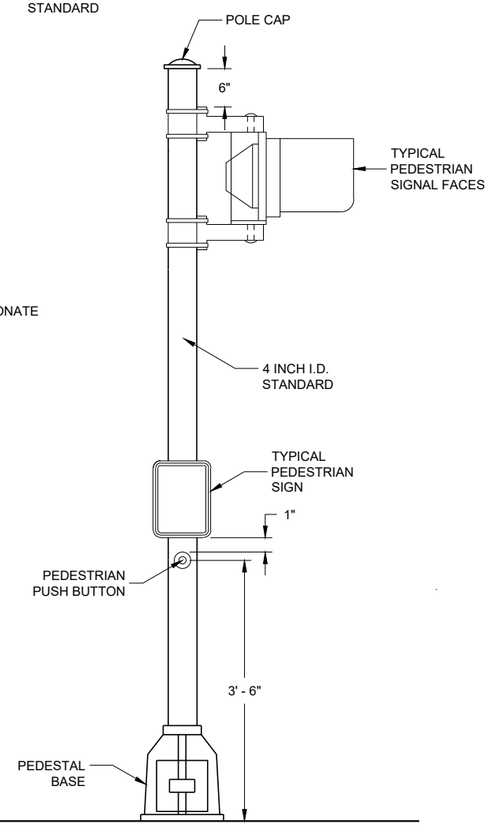
(BANDED)



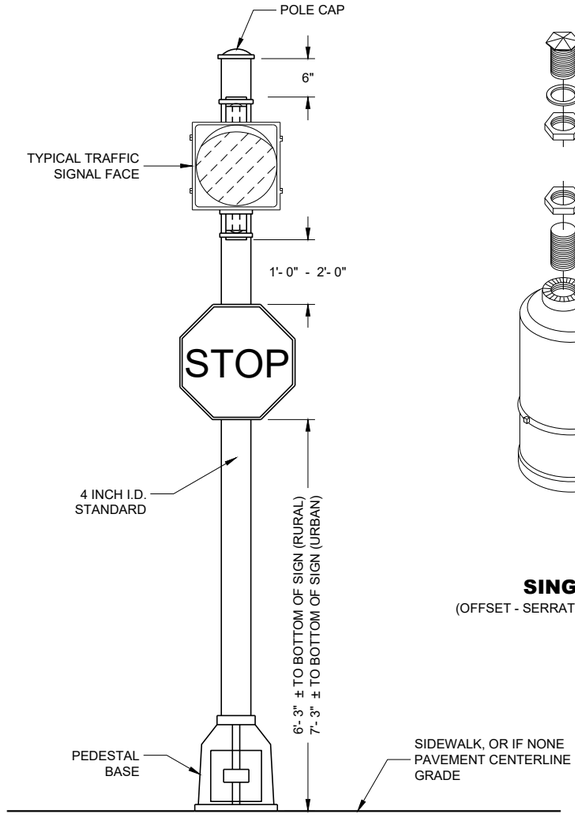
SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING



PEDESTRIAN FACE STANDARD - 10 FT.
(WALK - DON'T WALK)



STANDARD FLASHER
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS, UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

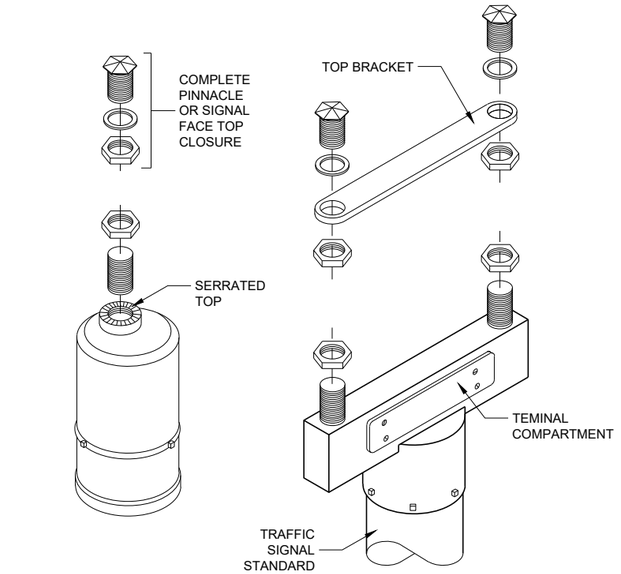
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACESAND BRACKET ENDS.



SINGLE
(OFFSET - SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD
PEDESTRIAN AND FLASHER
TYPICAL MOUNTING DETAILS

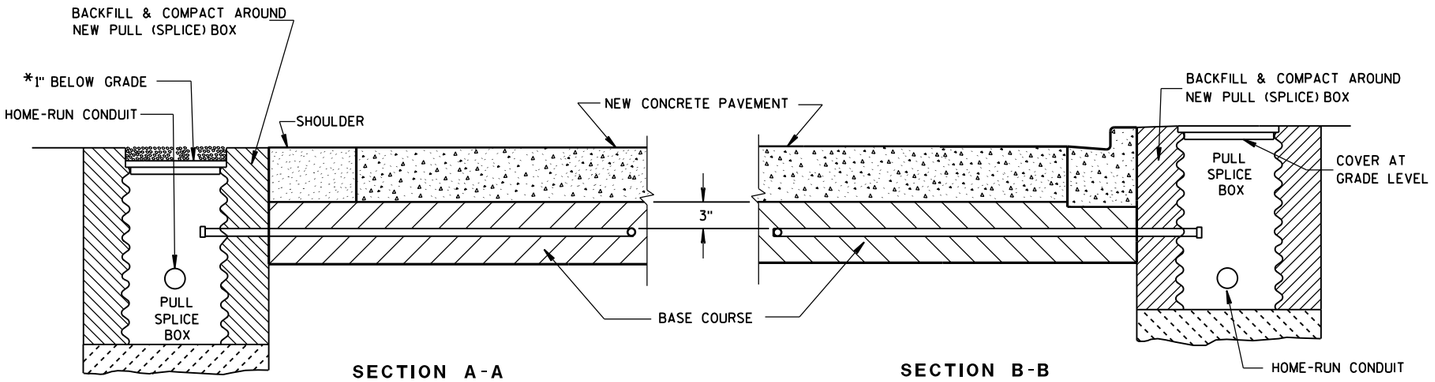
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 232

FHWA

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SDD 09E07 - 06



SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

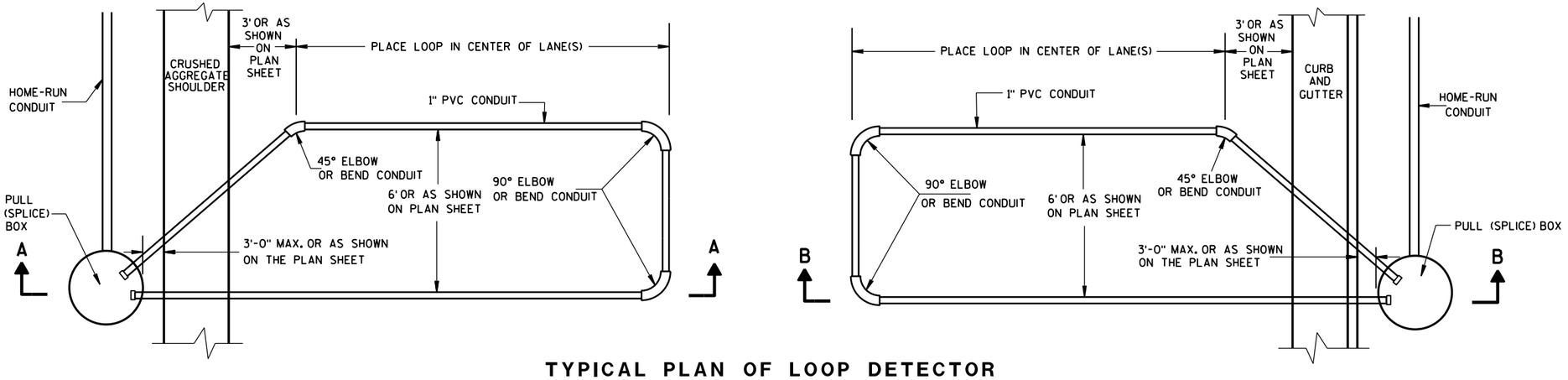
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICE CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE, SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN OF LOOP DETECTOR WITH 18" OR 24" PULL (SPLICE) BOX

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

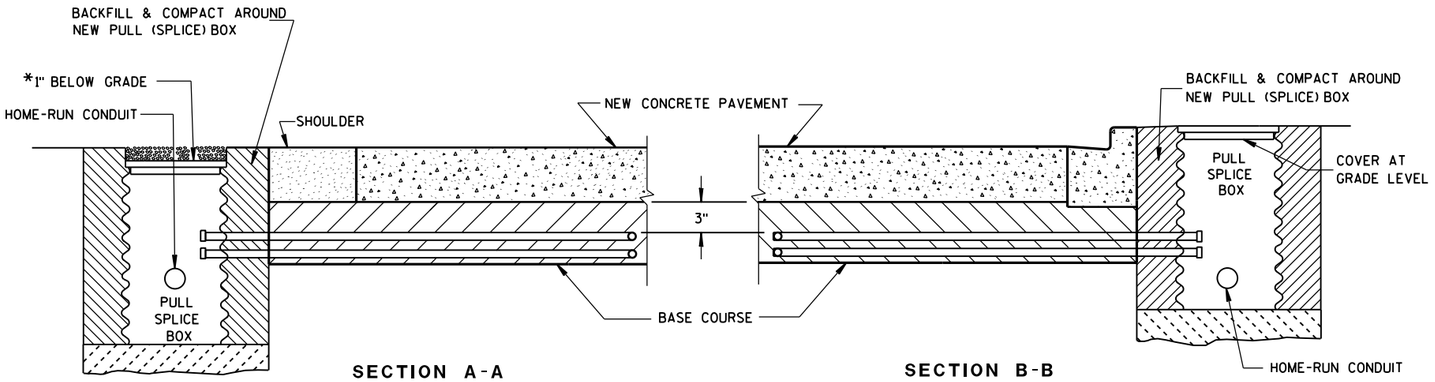
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 F 15-4a

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S.D.D. 9 F 15-4a



SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

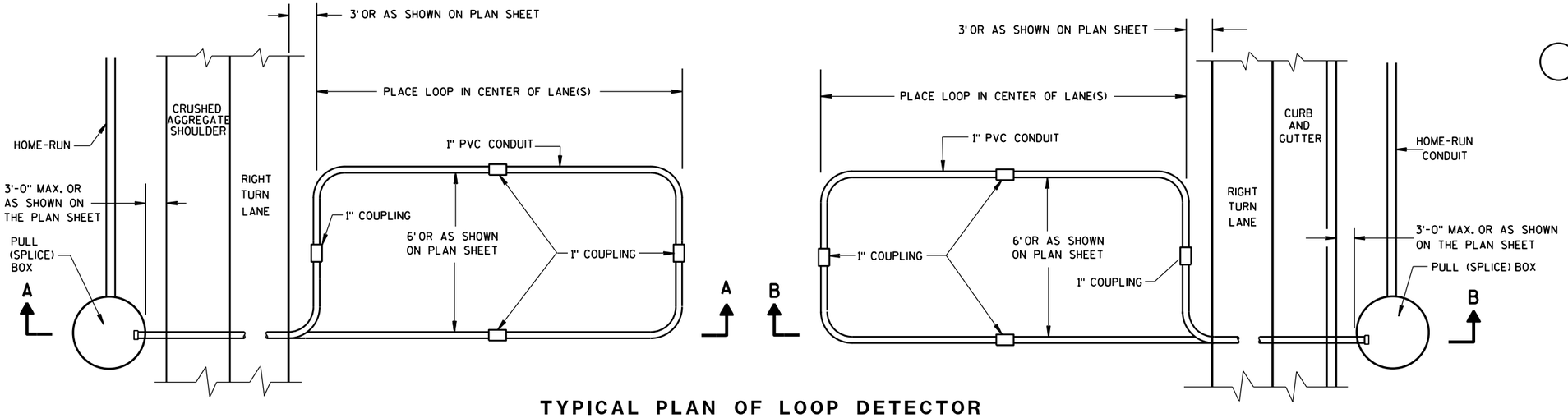
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

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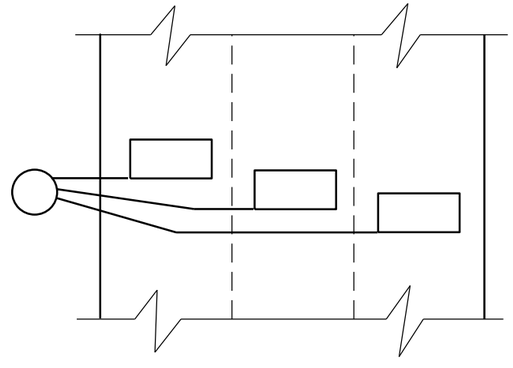
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE CONDUITS IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN OF LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

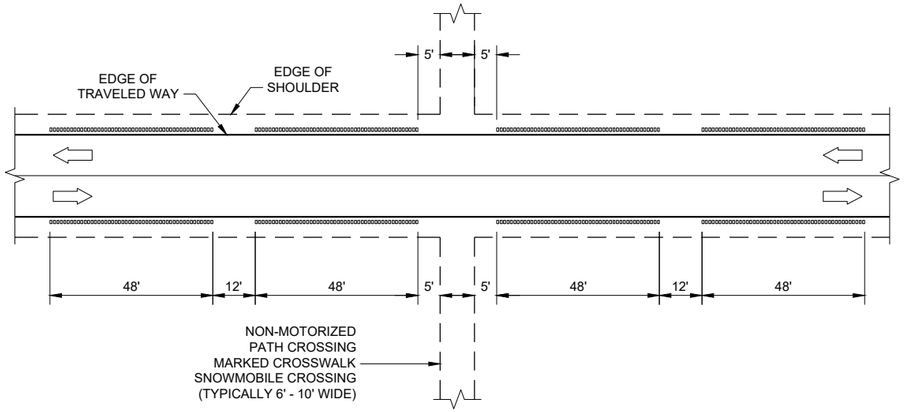
LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED Sept. 2014 — DATE /S/ Ahmet Demirbilek — STATE ELECTRICAL FHWA

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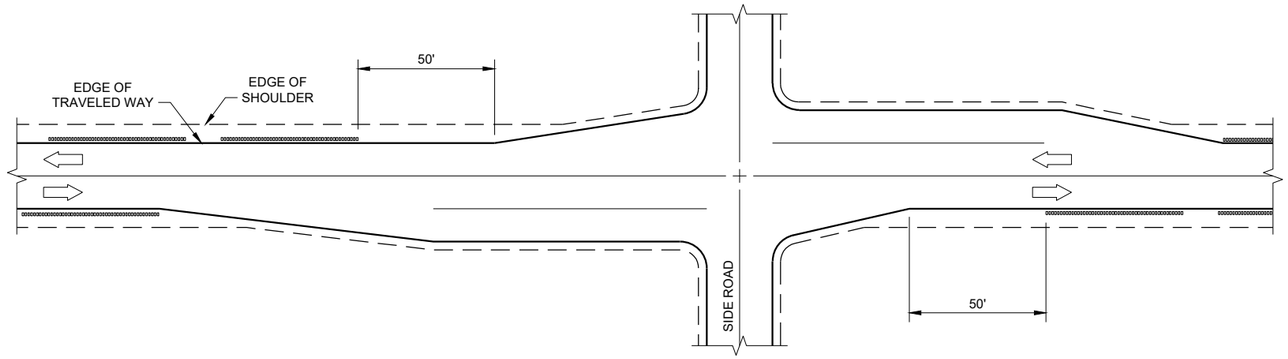
S.D.D. 9 F 15-4b

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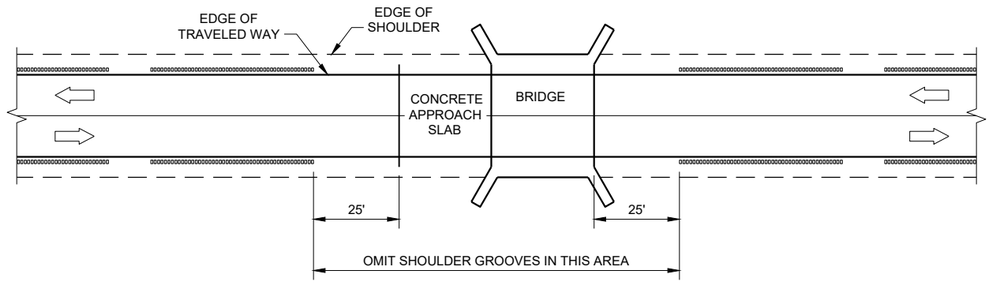
S.D.D. 9 F 15-4b



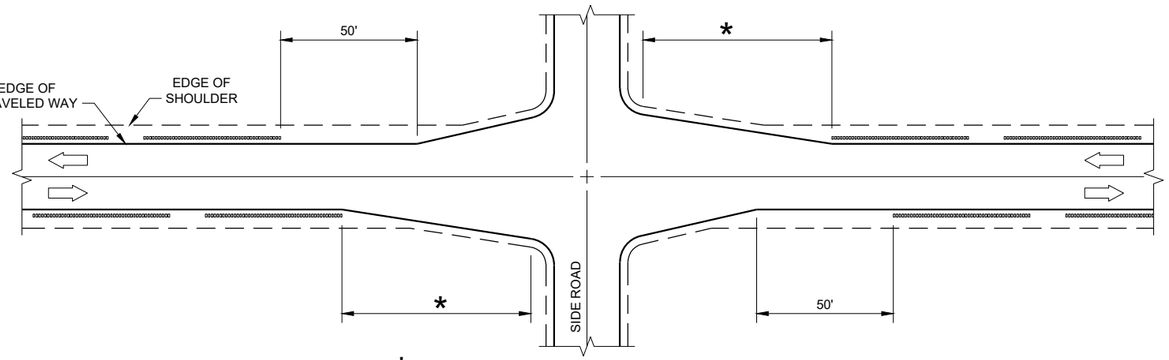
SHOULDER GROOVES AT MISCELLANEOUS CROSSINGS



SHOULDER GROOVES AT RIGHT TURN LANE

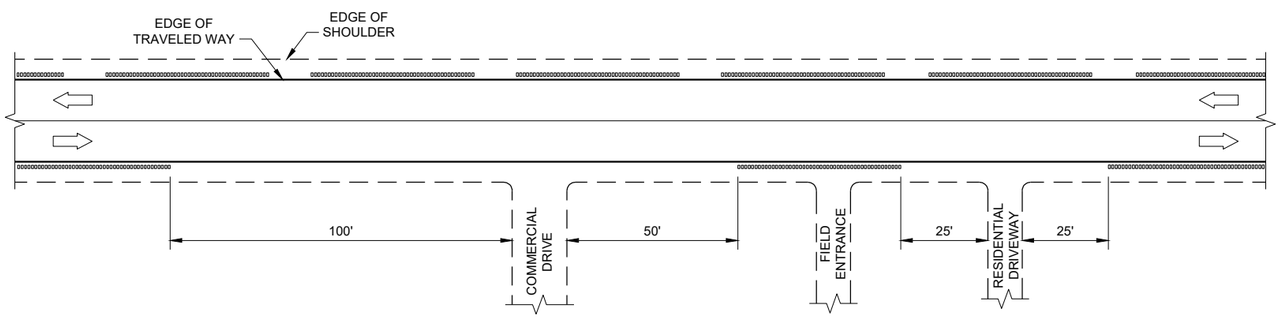


SHOULDER GROOVES AT BRIDGES



* GREATER OF 100' OR APPROACH TAPER LENGTH

SHOULDER GROOVES AT INTERSECTIONS WITH APPROACH TAPER



SHOULDER GROOVES AT DRIVEWAYS (1)

GENERAL NOTES

(1) SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.

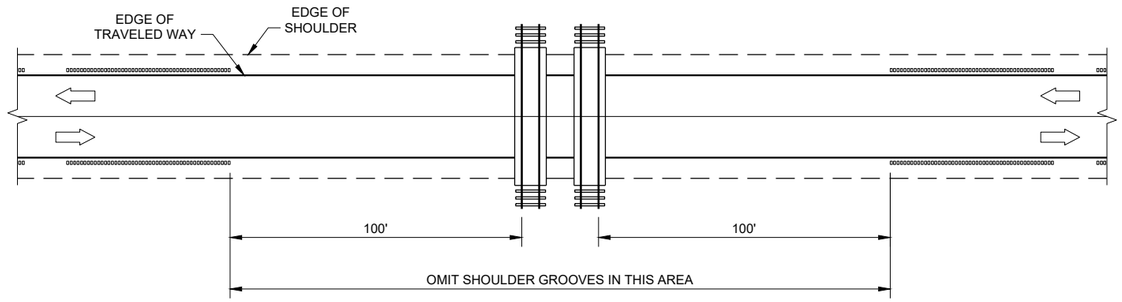
2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

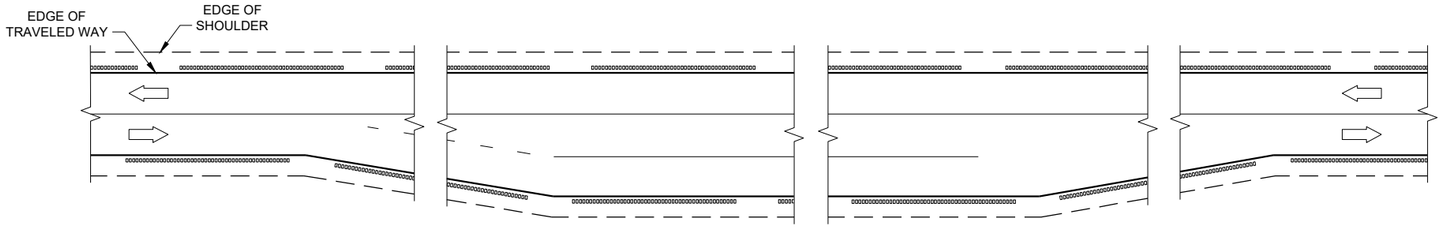
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SDD 13A10 - 02c

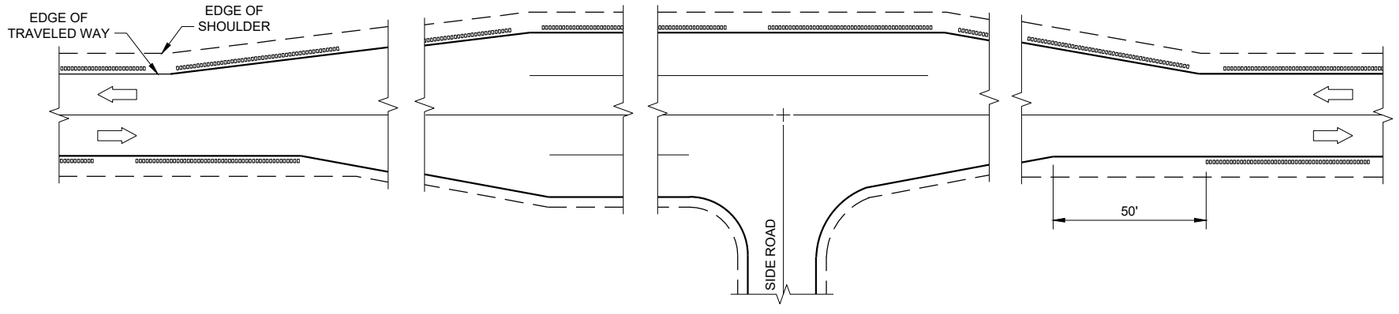
SDD 13A10 - 02c



SHOULDER GROOVES AT RAILROADS



SHOULDER GROOVES AT PASSING AND CLIMBING LANES



SHOULDER GROOVES AT BYPASS LANES

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SDD 13A10 - 02d

SDD13A10 - 02d

2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

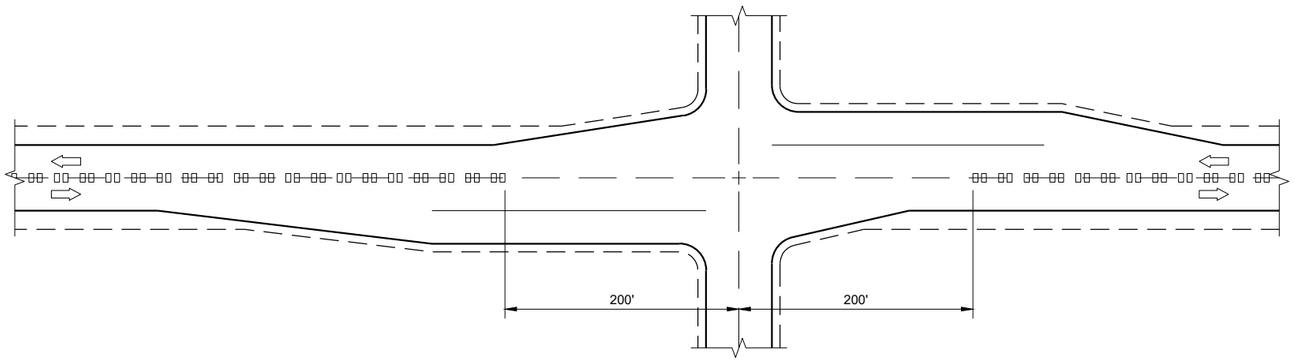
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

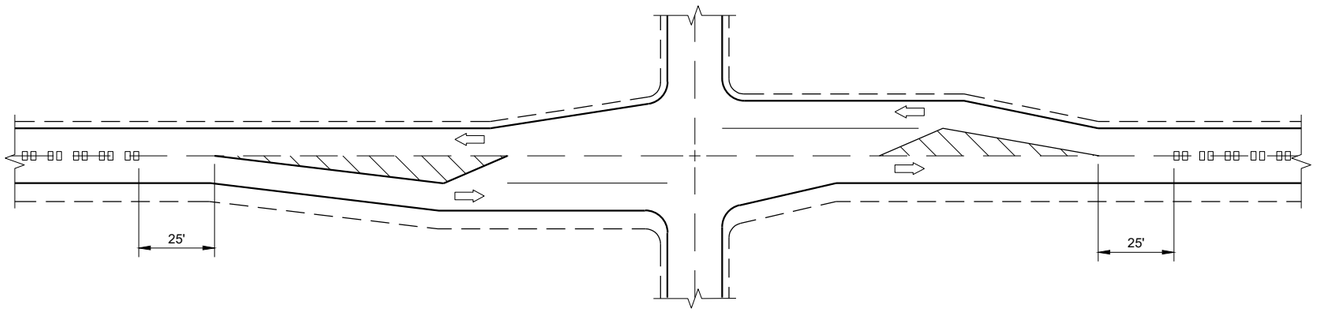
7/2018
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

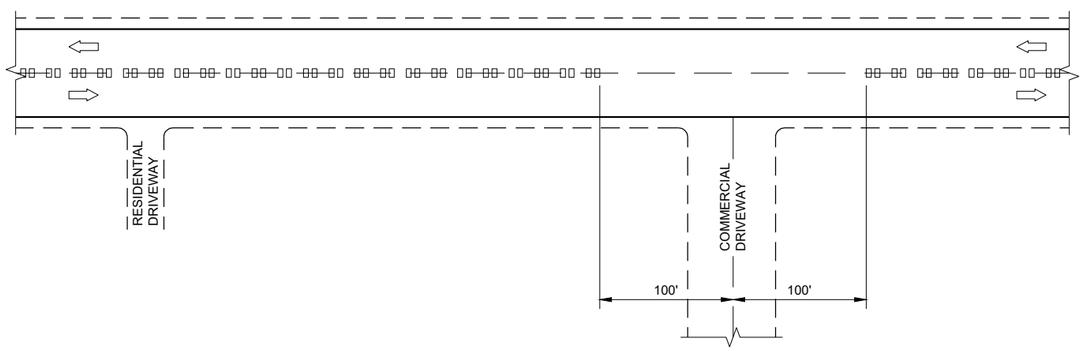
FHWA



CENTERLINE GROOVES AT INTERSECTIONS



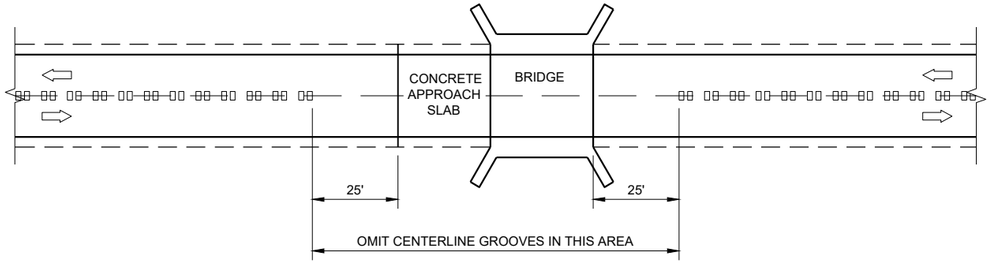
CENTERLINE GROOVES AT INTERSECTIONS (WITH LEFT TURN LANES)



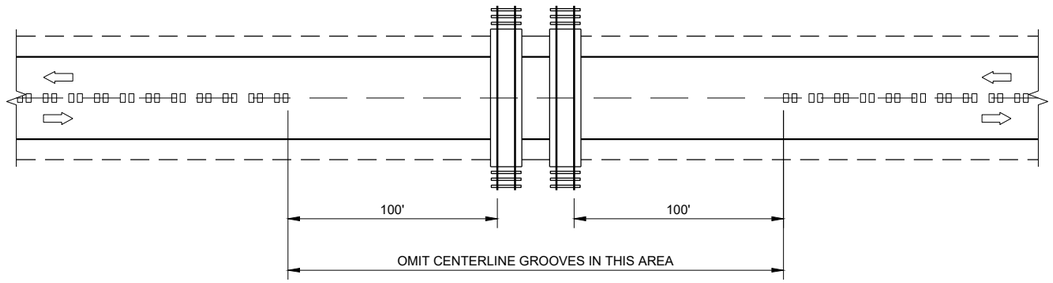
CENTERLINE GROOVES AT DRIVEWAYS (1)

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

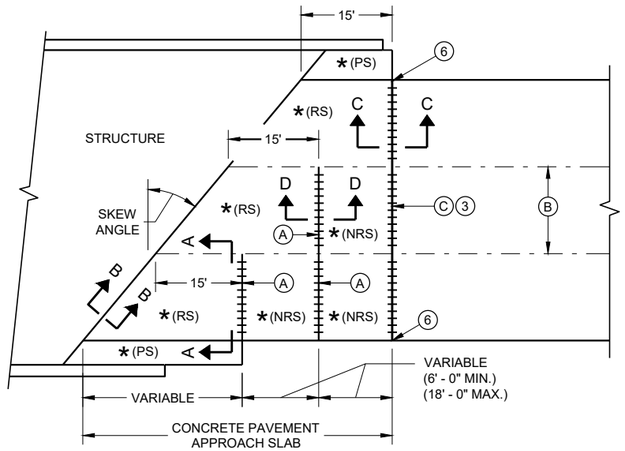
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

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SDD 13A11 - 03b
SDD 13A11 - 03b



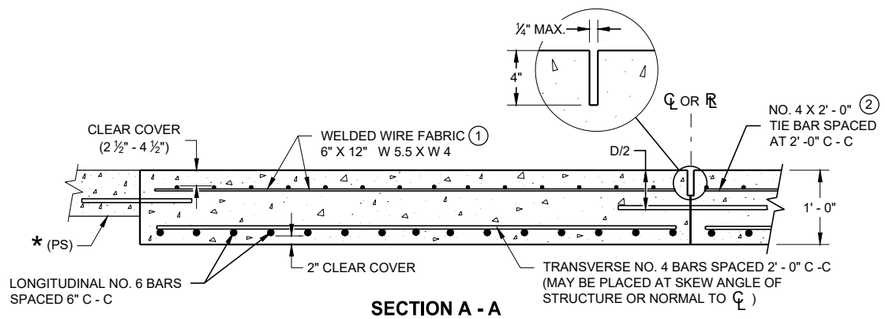
SKEWED APPROACH
(PAVEMENT MORE THAN TWO LANES)

* (RS) = REINFORCED CONCRETE SLAB

* (PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB

* (NRS) - NON - REINFORCED CONCRETE SLAB

*** STANDARD DOWEL BAR DIAMETER (SEE SDD 13C11 AND SDD 13C13)



SECTION A - A
REINFORCEMENT POSITIONING DETAIL

GENERAL NOTES

THE CONTRACTOR MAY SPLICE NO. 6 BARS IN THE APPROACH SLAB FOR SKEWED STRUCTURES ONLY. STAGGER SPLICES WITH A MAXIMUM OF ONE SPLICE PER BAR. THE LENGTH OF LAP IS 20 INCHES.

TACK WELD DOWEL BARS TO THE BASKETS ON ALTERNATE ENDS.

① THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2' - 0 " C - C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.

② THE CONTRACTOR MAY OMIT THE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.

③ DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

④ USE A JOINT SEALANT MEETING THE REQUIREMENTS OF ASTM D6690.

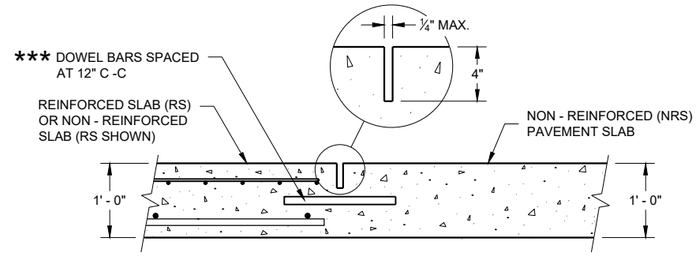
⑤ PLACE EXPANSION CAP ON THE END OF THE DOWEL THAT IS NOT TACK WELDED TO THE BASKET. DO NOT FORCE DOWEL BAR PAST THE DOWEL STOP.

⑥ EXTEND EXPANSION JOINT THROUGH ANY ADJACENT TIED CONCRETE.

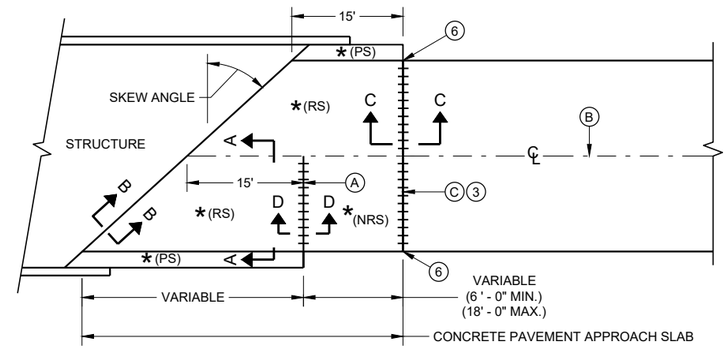
Ⓐ STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℞.

Ⓑ STANDARD LONGITUDINAL JOINT WITH TIE BARS.

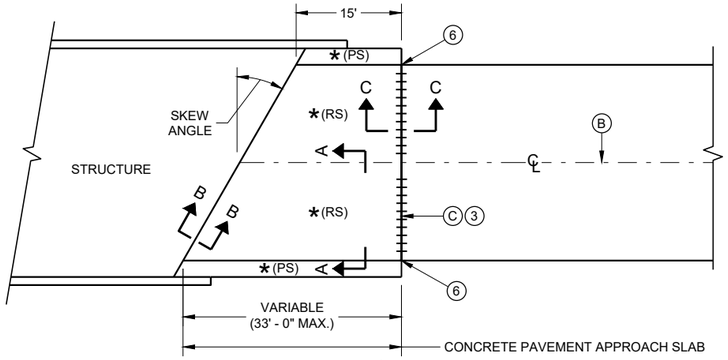
Ⓒ 1 ½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℞



SECTION D - D
CONTRACTION JOINT

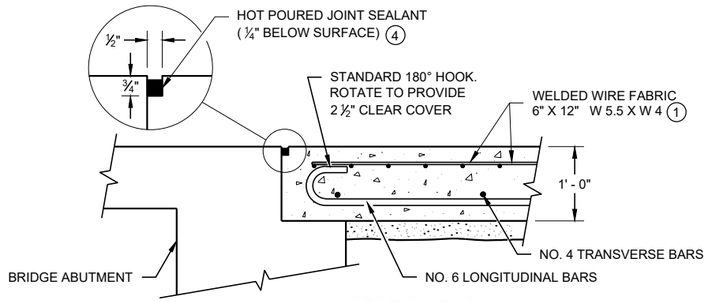


SKEWS > 20°
(PAVEMENT WIDTH ≤ 30')

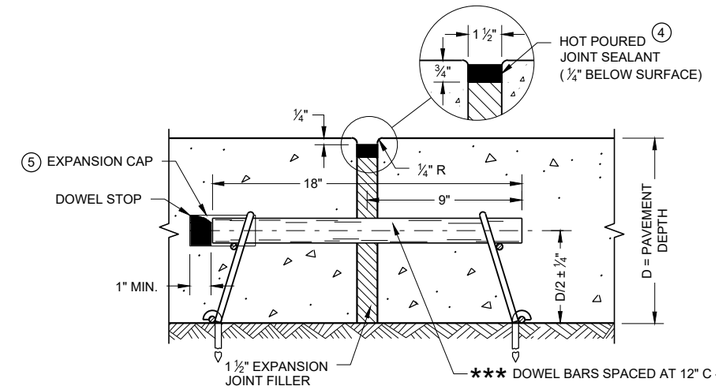


SKEWS ≤ 20°
(PAVEMENT WIDTH ≤ 30')

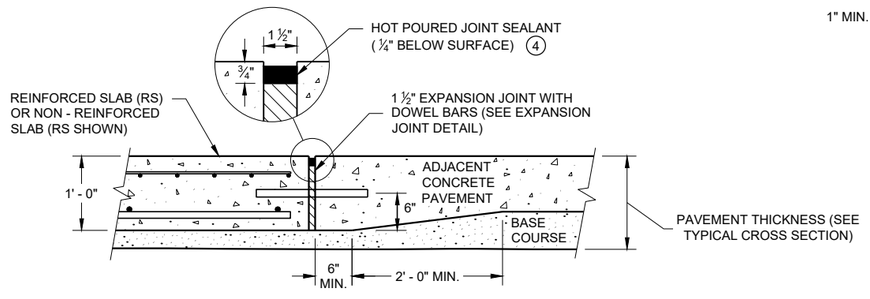
APPROACH SLAB AND ADJACENT PAVEMENT



SECTION B - B
BEND DETAIL
BOTTOM REINFORCEMENT



EXPANSION JOINT DETAIL



SECTION C - C
TRANSITION DETAIL
APPROACH SLAB TO ADJACENT PAVEMENT

CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVISOR

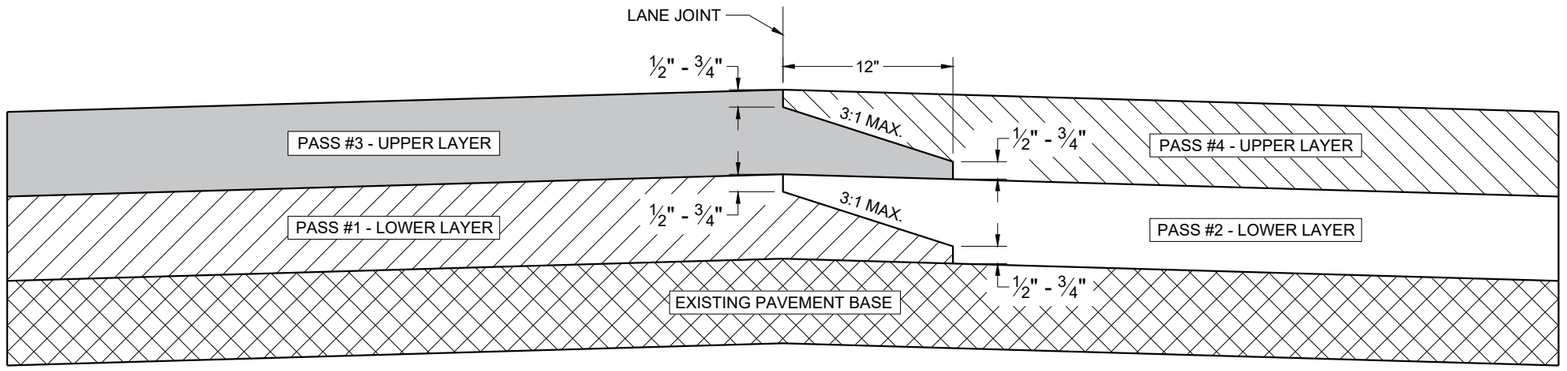
FHWA

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SDD 13B02 - 09a

GENERAL NOTES

CONFORM TO STANDARD SPECIFICATION 450.3.2.8



TYPICAL PAVEMENT CROSS SECTION
OF NOTCHED WEDGE LONGITUDINAL JOINTS

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SDD 13C19 - 01

SDD 13C19 - 01

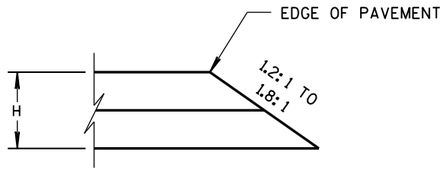
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

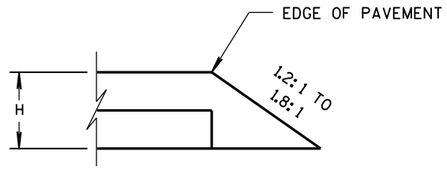
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



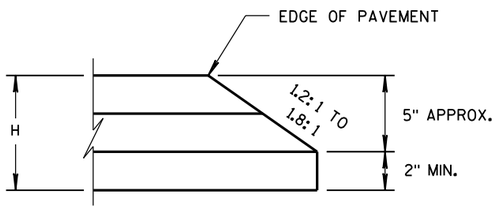
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



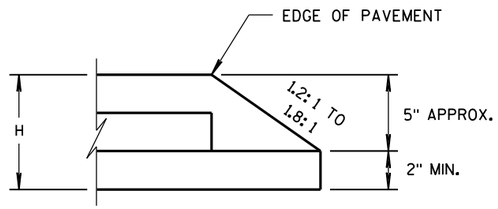
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

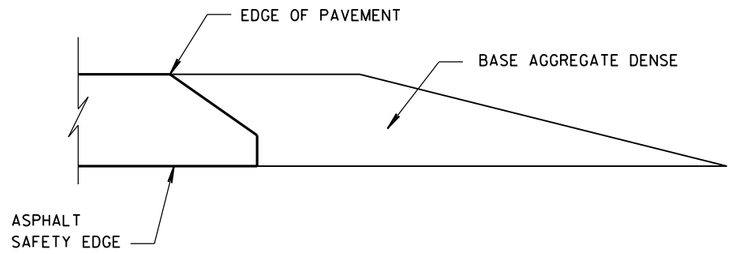
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

6

6

S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/2012
DATE

/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

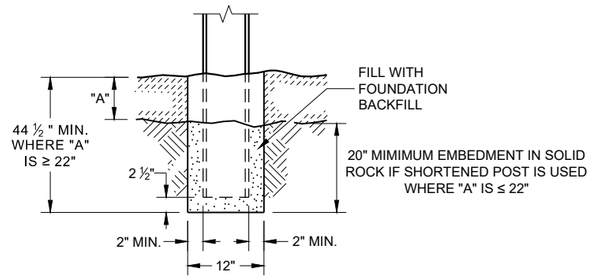
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

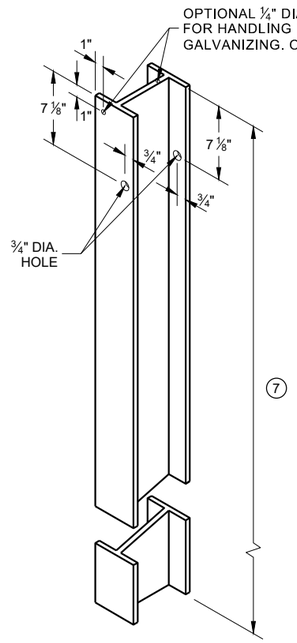
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS +1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

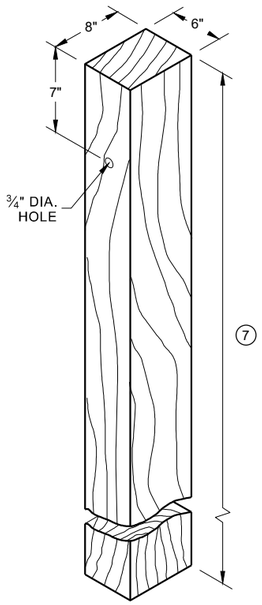
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



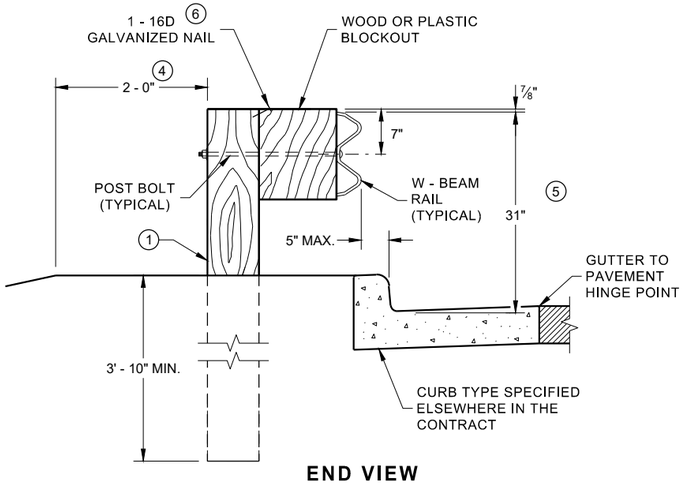
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



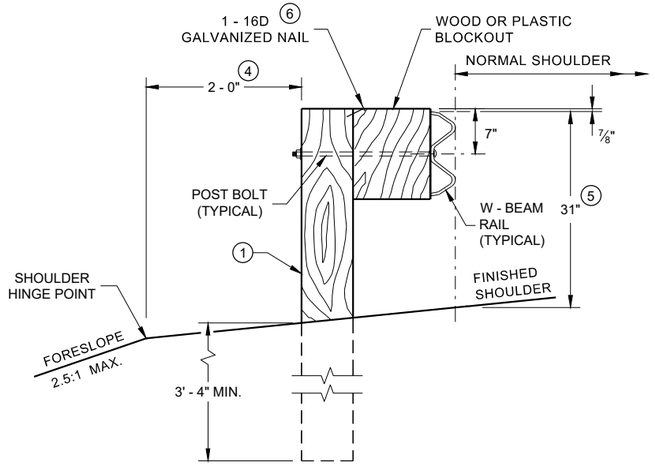
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



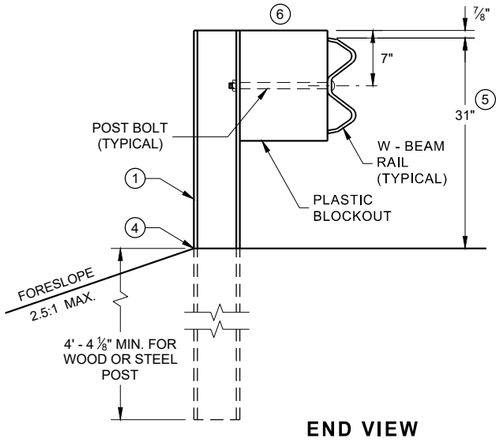
WOOD POST (6" X 8") NOMINAL (1)



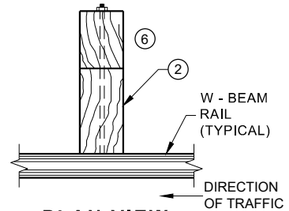
END VIEW
LOCATED ALONG A CURBED ROADWAY



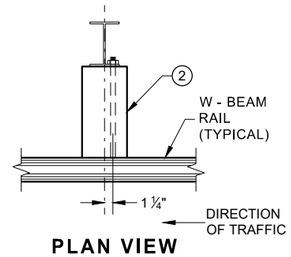
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



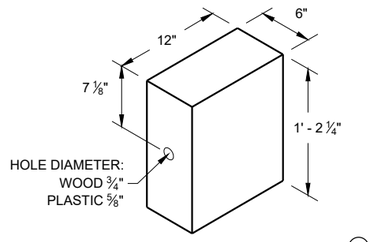
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



WOOD OR PLASTIC BLOCKOUT (2)

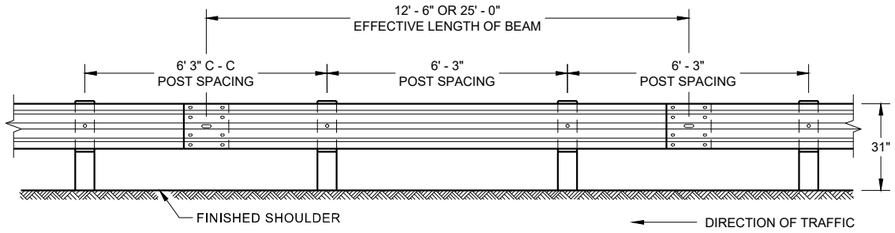
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

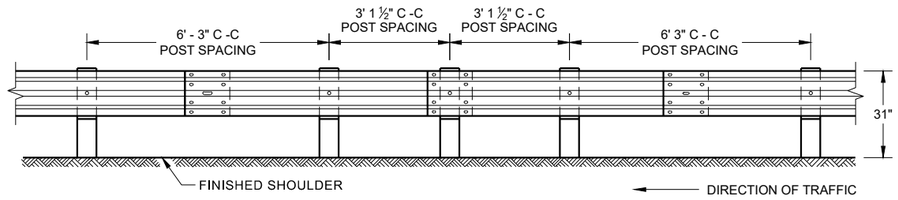
SDD 14B42 - 06a

6

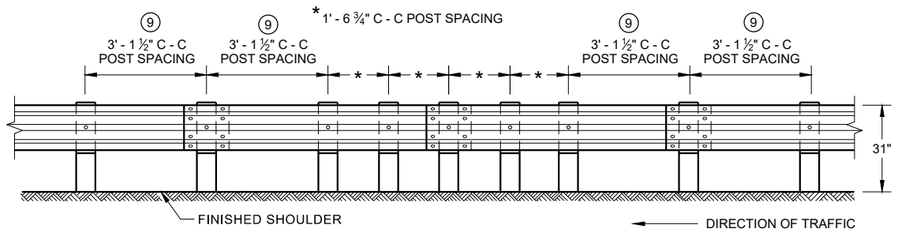
SDD 14B42 - 06a



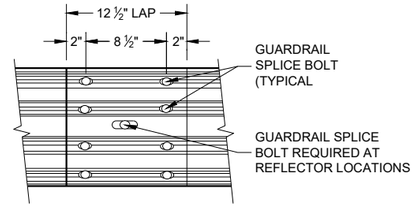
FRONT VIEW
POST SPACING STANDARD INSTALLATION



FRONT VIEW
HALF POST SPACING (HS) AND
HALF POST SPACING WITH LONGER POSTS (K)



FRONT VIEW
QUARTER POST SPACING (QS)



FRONT VIEW
MID-SPAN BEAM SPLICE

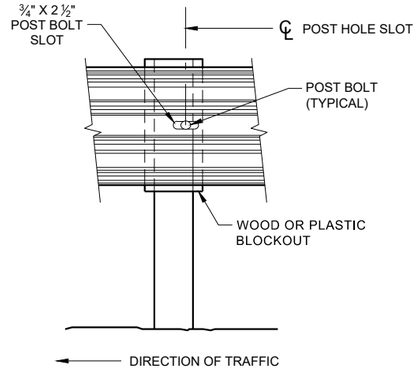
GENERAL NOTES

⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

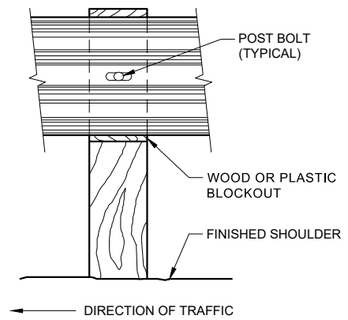
⑨ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

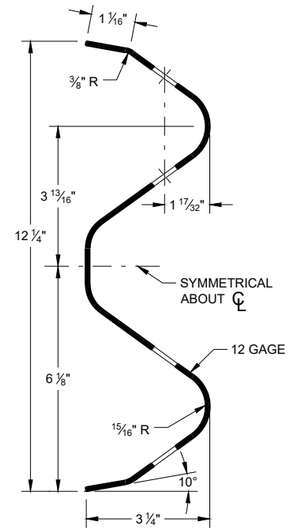
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



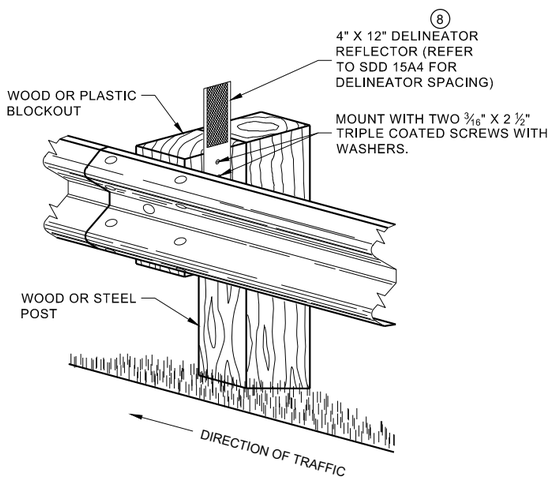
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



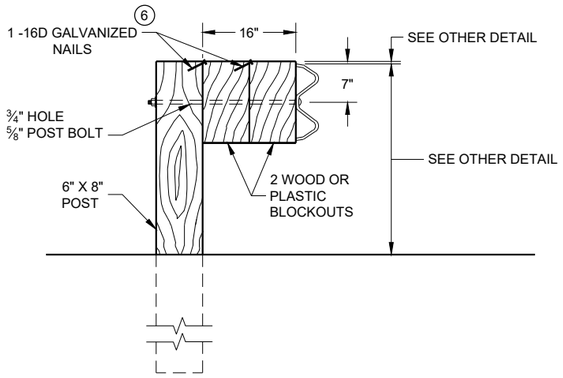
ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B42 - 06b

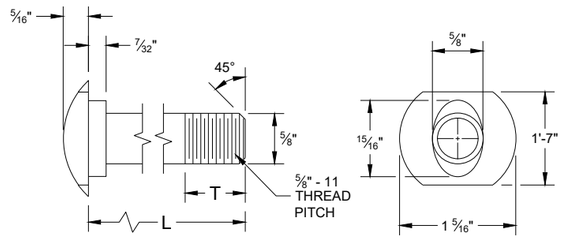


DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

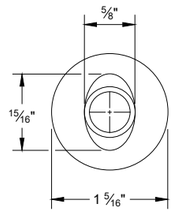
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3⁄16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

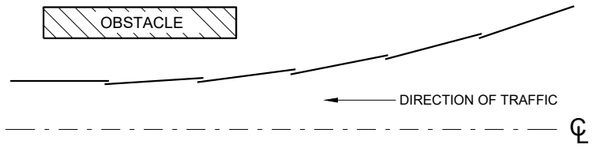


POST BOLT TABLE

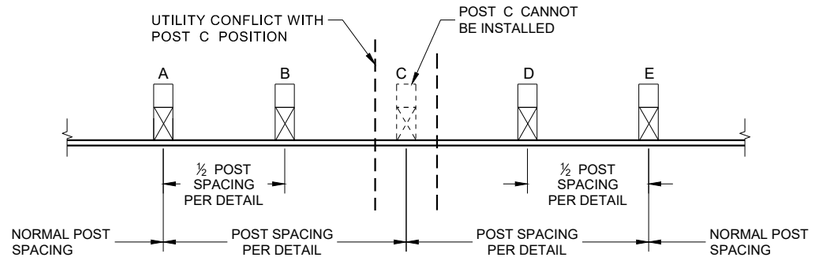
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"



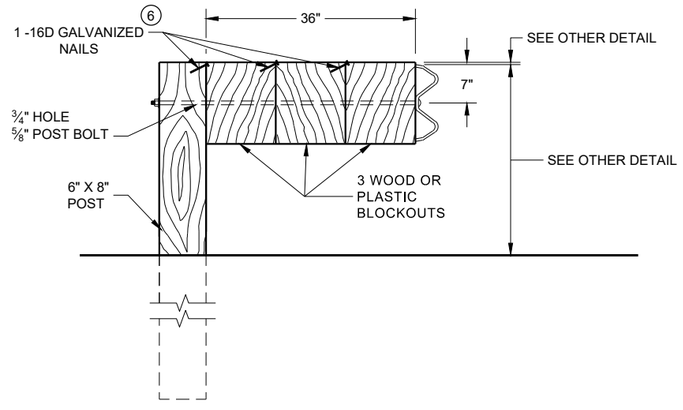
ALTERNATE BOLT HEAD



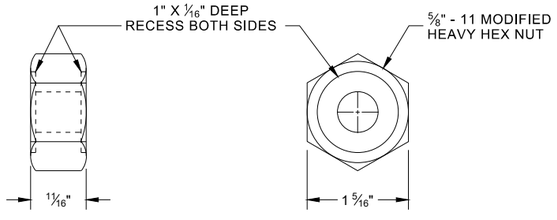
PLAN VIEW
BEAM LAPPING DETAIL



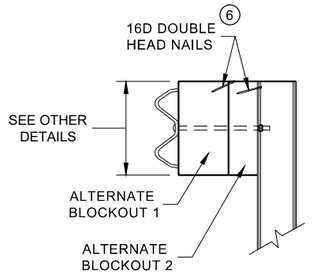
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



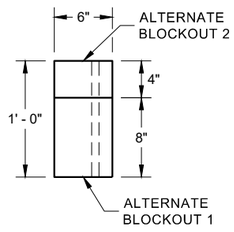
DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW



PLAN VIEW

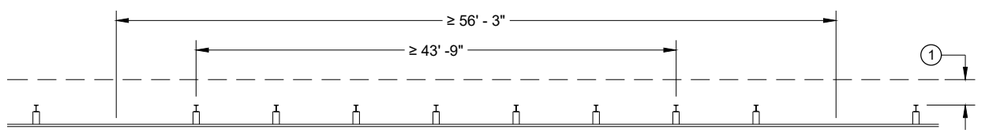
ALTERNATE WOOD BLOCKOUT DETAIL

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

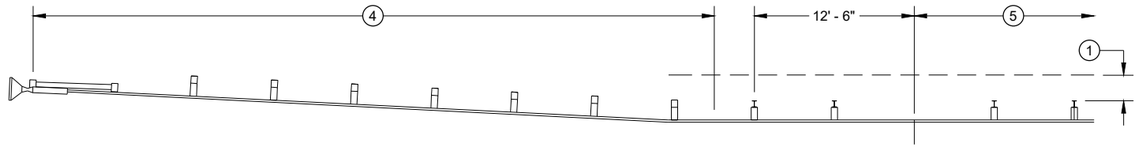
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

(6) WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

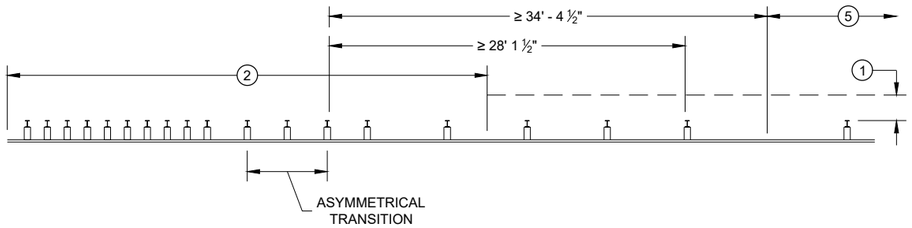
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL



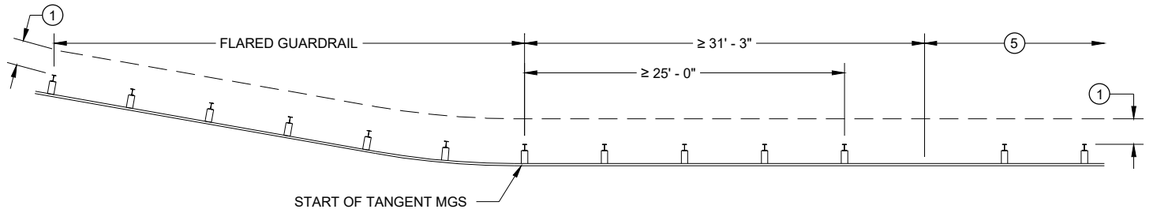
MISSING POST IN NORMAL BEAM GUARD RUN



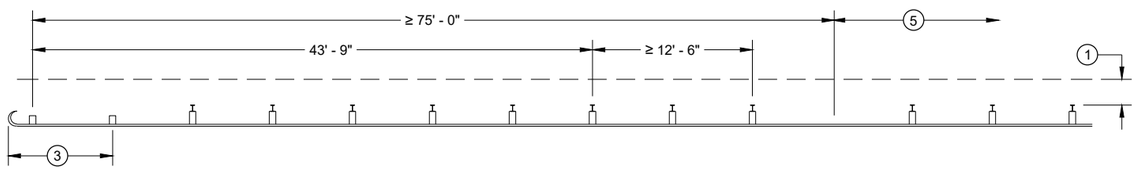
MISSING POST IN NORMAL BEAM GUARD RUN NEAR EAT



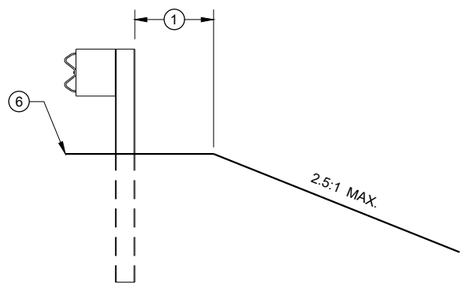
MISSING POST NEAR APPROACH THRIE BEAM TRANSITION



MISSING POST IN NORMAL BEAM GUARD RUN NEAR FLARED BEAM GUARD



MISSING POST IN NORMAL BEAM GUARD RUN NEAR TYPE 2 TERMINAL



CROSS SECTION VIEW

1. MINIMUM OF 2 FEET OF GRADING BEHIND POST.
2. SEE SDD 14B45 FOR MORE DETAILS.
3. SEE SDD 14B47 FOR MORE DETAILS.
4. SEE SDD 14B44 FOR MORE DETAILS.
5. SEE MISSING POST IN NORMAL BEAM GUARD RUN FOR DISTANCE TO NEXT MISSING POST AND AREA FOR WELL DRAINED, COMPACTED SOILS.
6. SEE PLAN FOR SHOULDER DESIGN.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR
FHWA

SDD 14B42 - 06d

SDD 14B42 - 06d

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

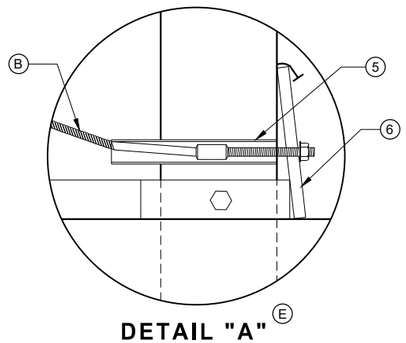
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

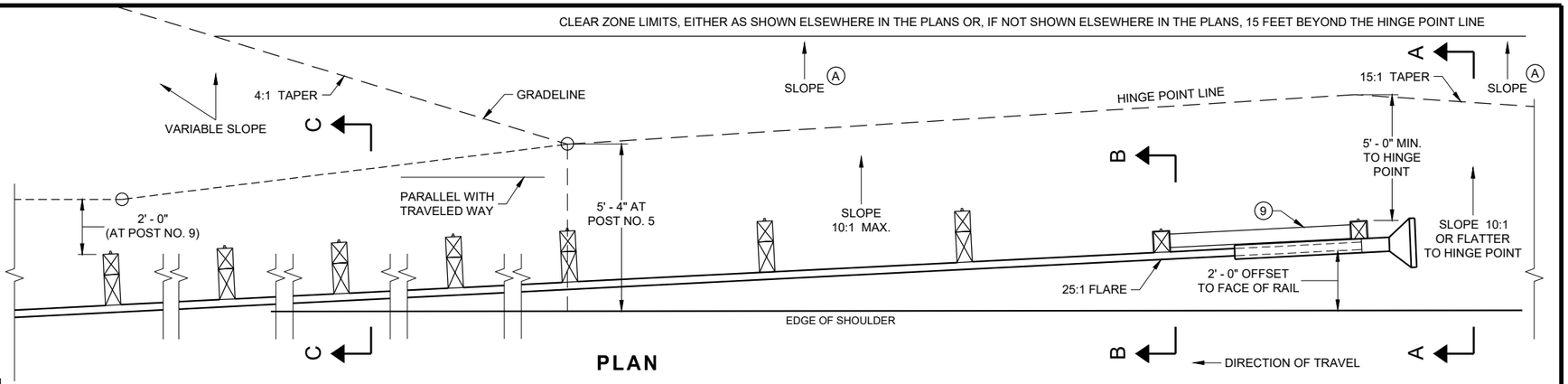
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

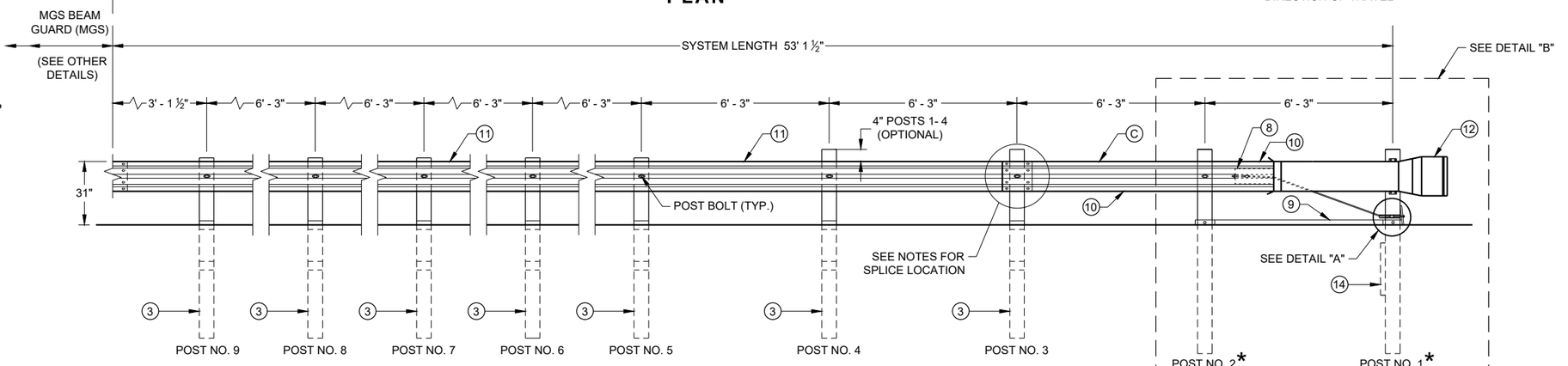
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.



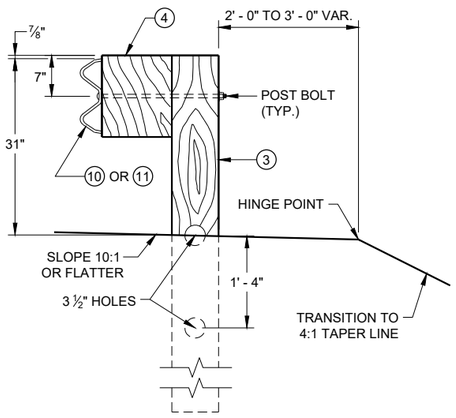
DETAIL "A" (E)



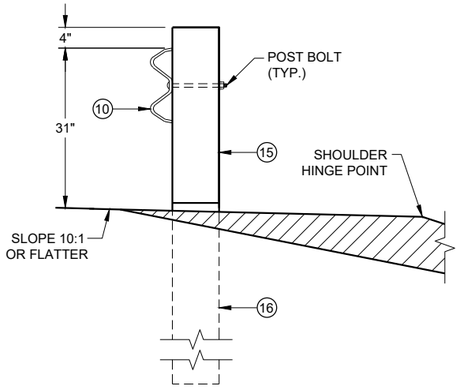
PLAN



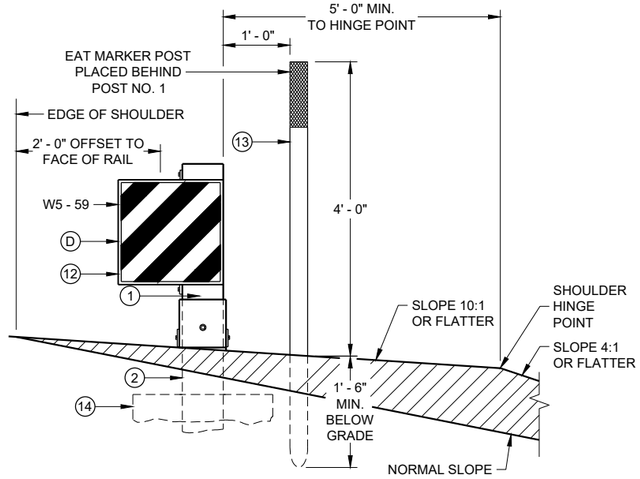
ELEVATION



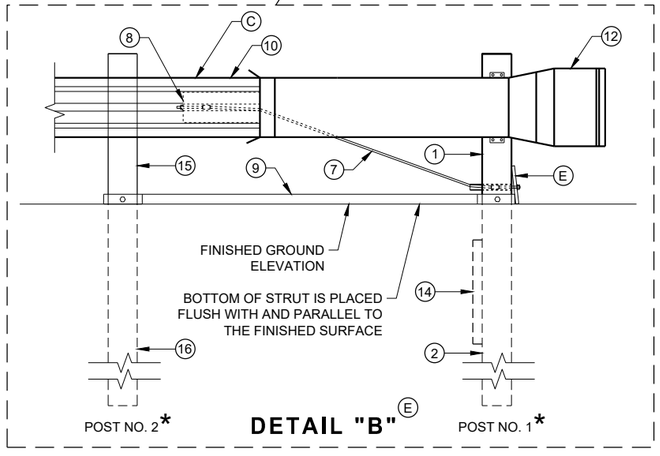
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

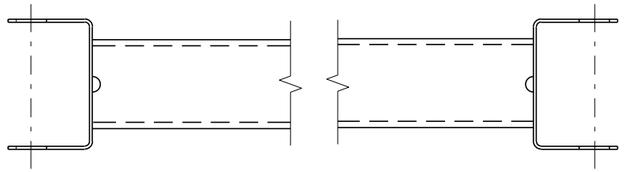
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

SDD 14B44 - 04a

6

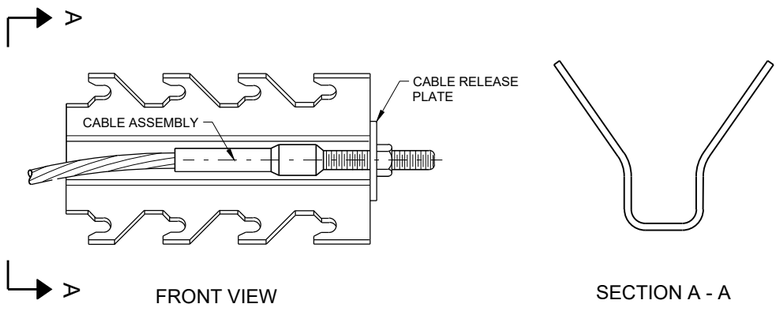
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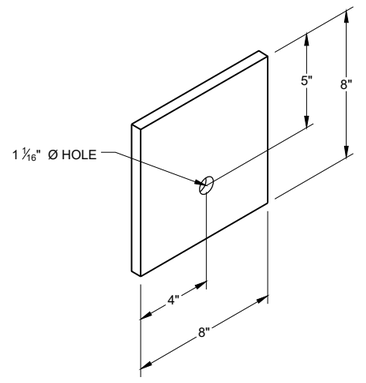
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
①	UPPER POST NO. 1 6" X 6" TUBE
②	LOWER POST NO. 1
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	IMPACT HEAD
⑬	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
⑭	SOIL PLATE
⑮	UPPER POST NO. 2
⑯	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX ⑨ Ⓔ



BEARING PLATE ⑥ Ⓔ

6

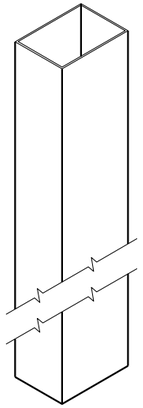
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SDD 14B44 - 04b

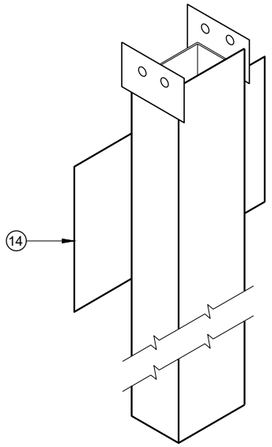
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

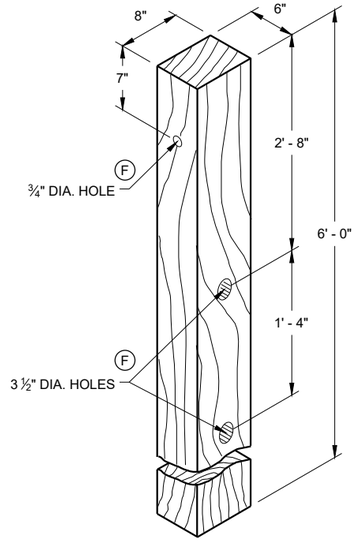
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



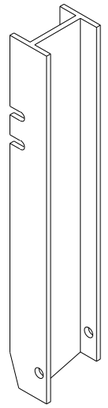
UPPER POST NO. 1 (1) (E)



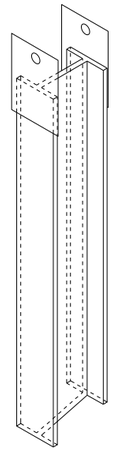
LOWER POST NO. 1 (2) (E)



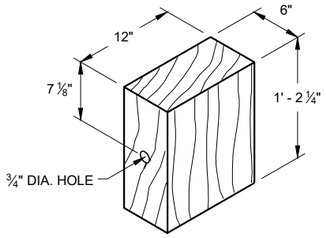
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



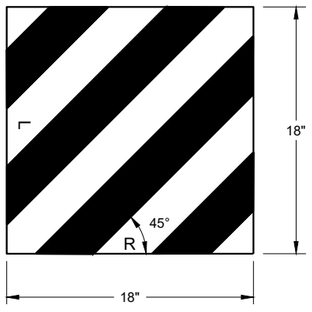
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

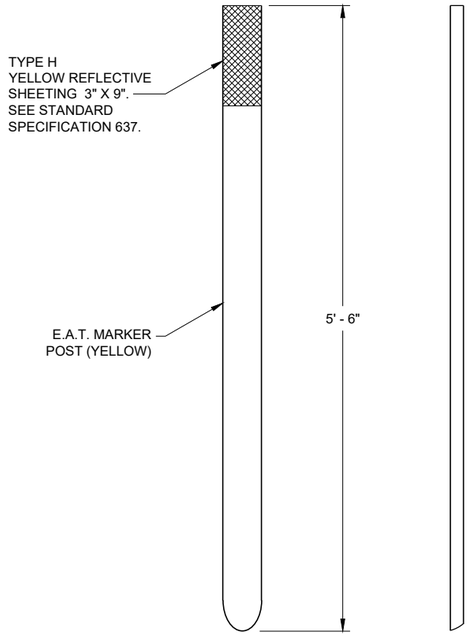


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



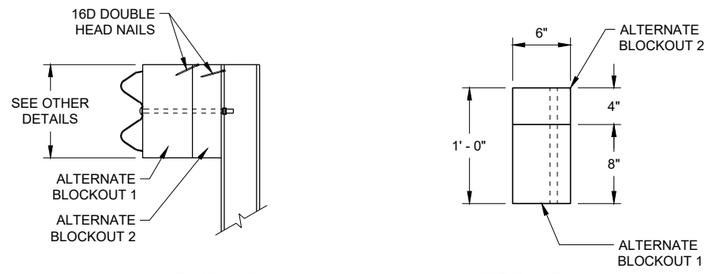
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

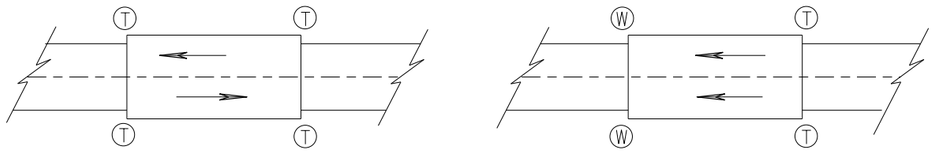
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

6

SDD 14B44 - 04c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

(T) THRIE BEAM CONNECTION

(W) W-BEAM CONNECTION WHEN REQUIRED

TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE

GENERAL NOTES

IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2½", AND 12" DIAMETER AROUND POST. SEE 14B42 FOR MORE DETAILS.

TRANSITION USES STEEL POSTS ONLY.

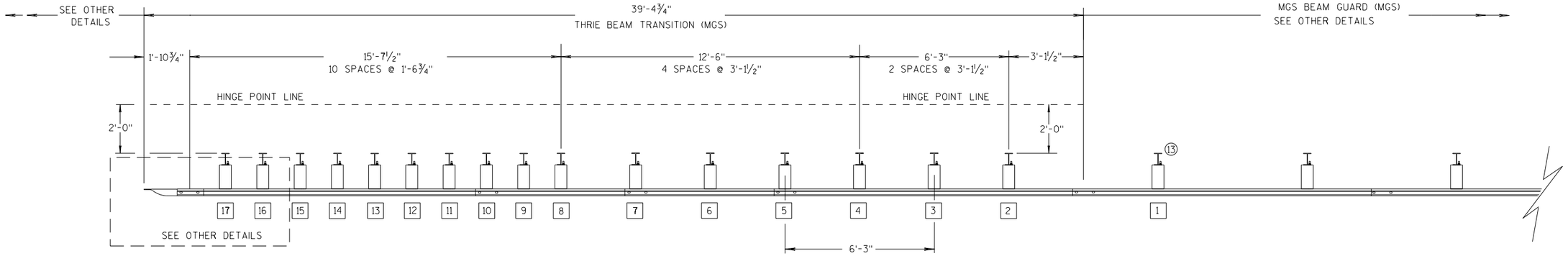
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

POST 2 THROUGH 17 USES STEEL POST ONLY

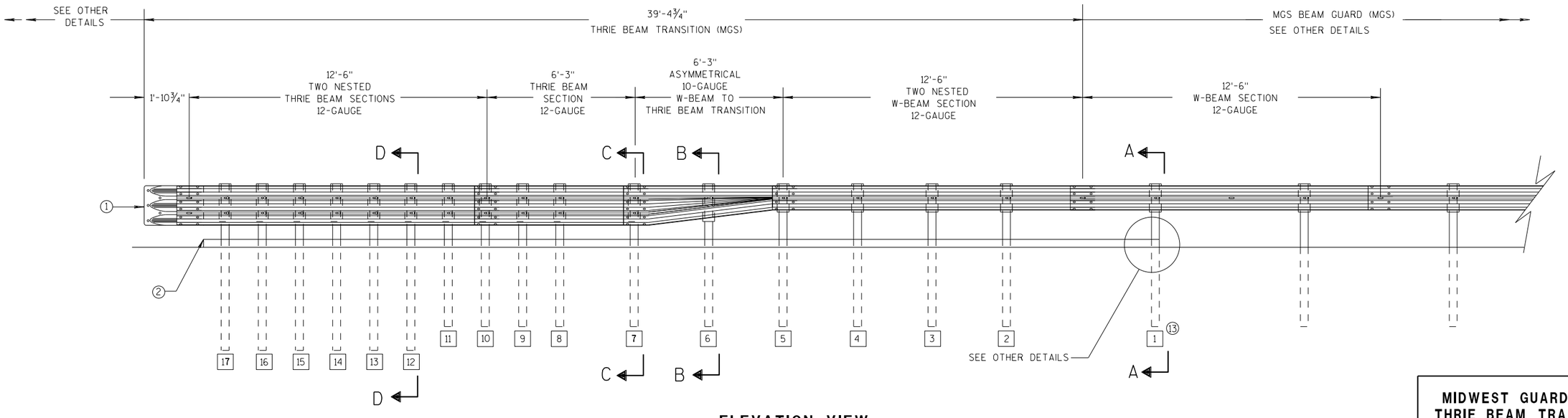
(1) BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD14B42



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 45-5a

GENERAL NOTES

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

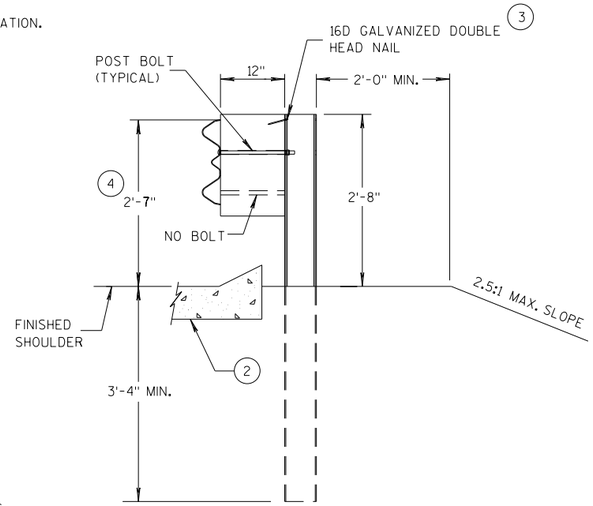
(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 10D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42

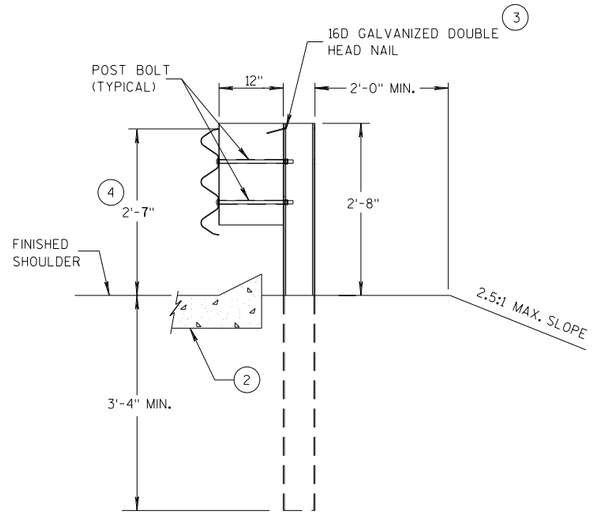
SECTION A-A (13)

POSTS 1-5



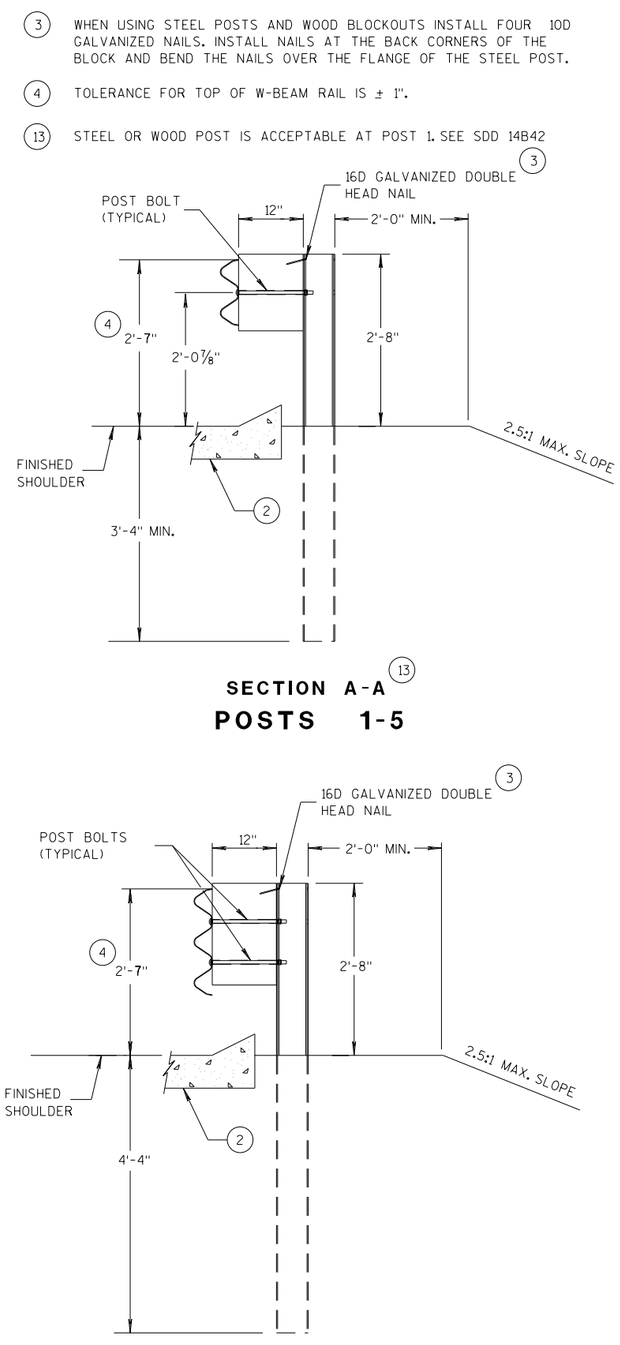
SECTION B-B

POST 6



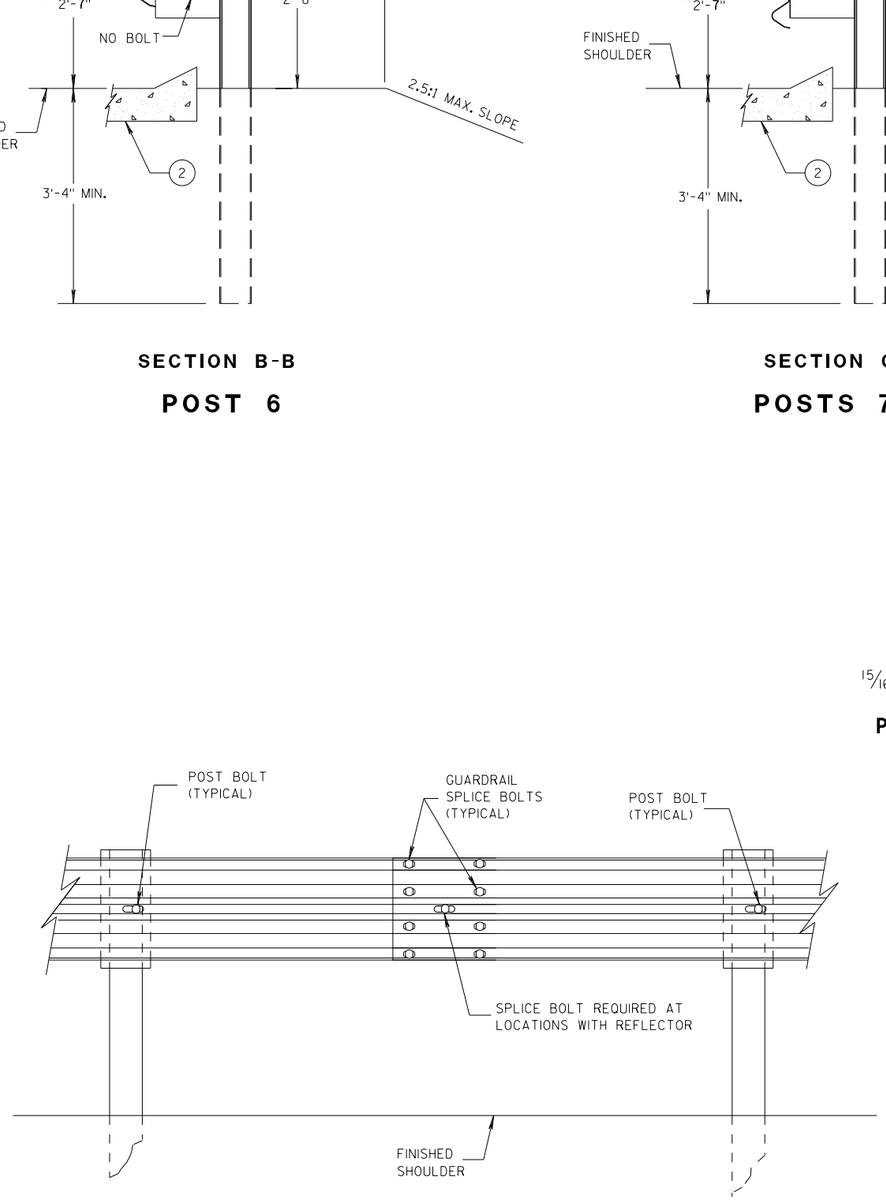
SECTION C-C

POSTS 7-11



SECTION D-D

POSTS 12-17



SPLICE DETAIL

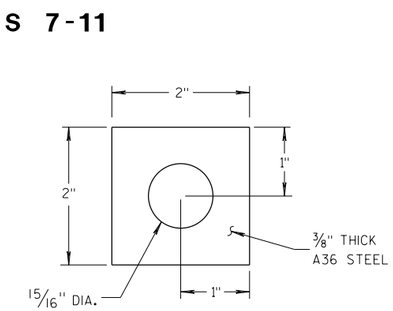
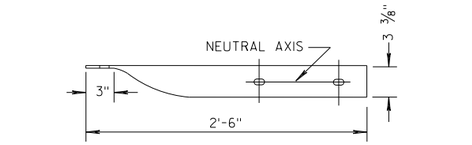
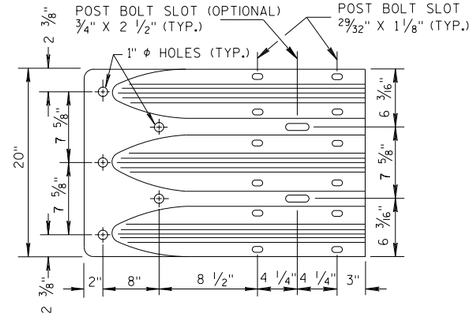
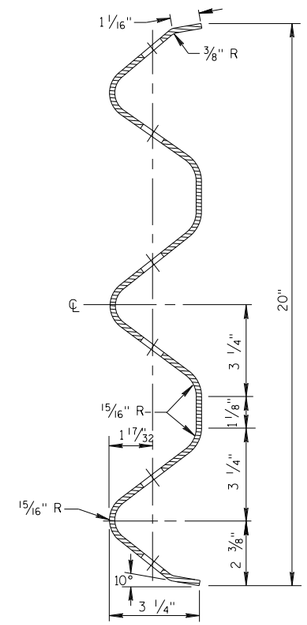


PLATE WASHER DETAIL





THRIE BEAM TERMINAL CONNECTOR



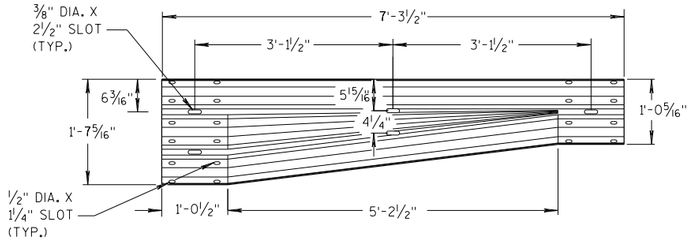
SECTION THRU THRIE BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

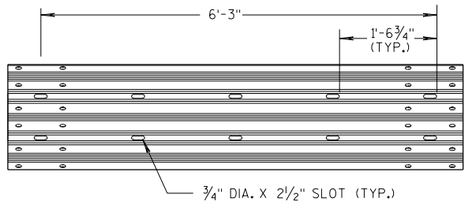
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOF

6

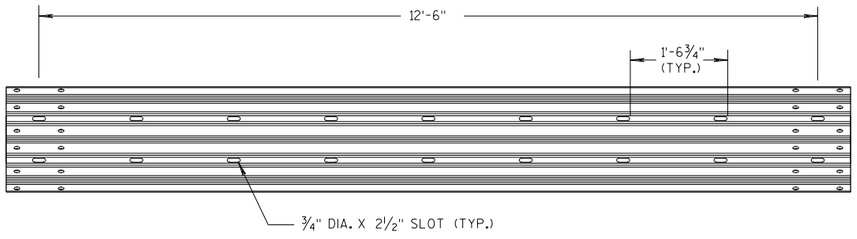
S.D.D. 14 B 45-5b



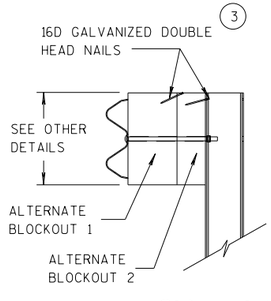
W-BEAM TO THRIE BEAM TRANSITION SECTION



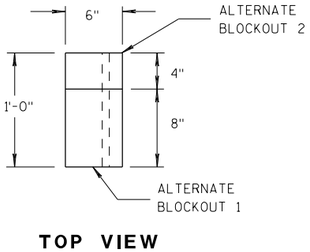
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

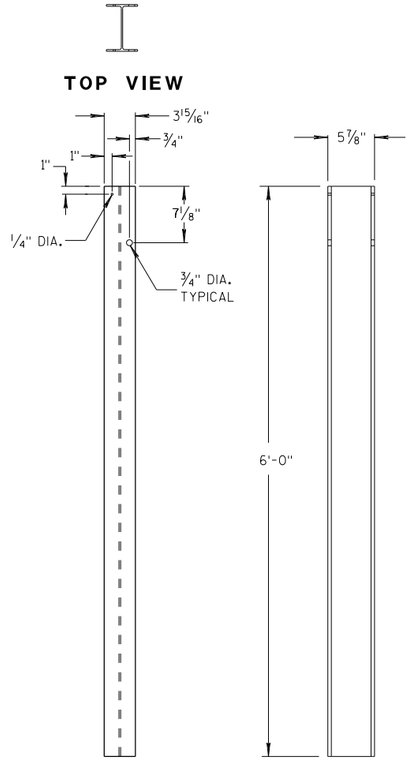


SIDE VIEW



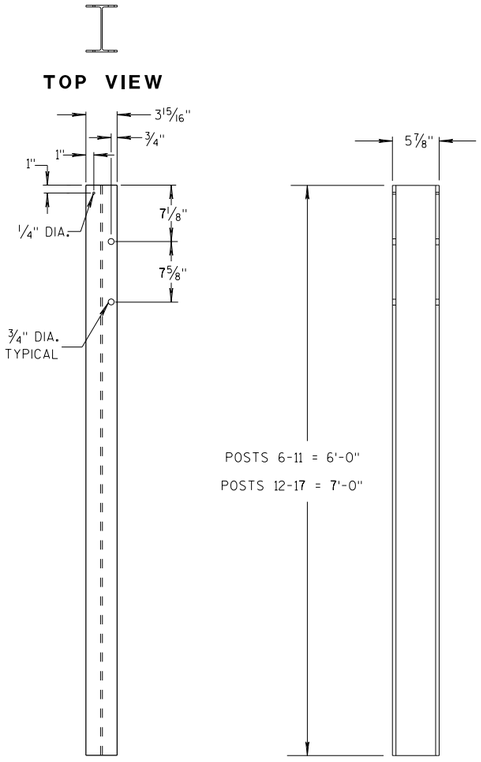
TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL



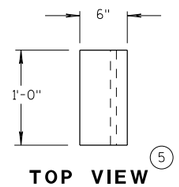
FRONT VIEW SIDE VIEW

STEEL POSTS 1-5 (13)

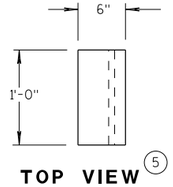


FRONT VIEW SIDE VIEW

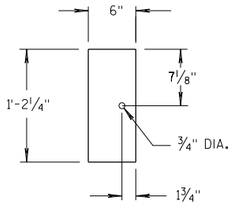
STEEL POSTS 6-17



TOP VIEW (5)

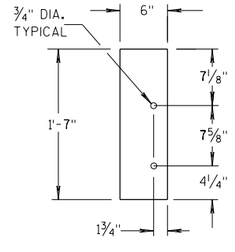


TOP VIEW (5)



FRONT VIEW

BLOCKOUT POSTS 1-5



FRONT VIEW

BLOCKOUT POSTS 6-17

GENERAL NOTES

STEEL POSTS ARE W6X9 OR W6X8.5.

BOLT HOLES FOR POST ARE ON FRONT AND OF SIDE OF POST.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

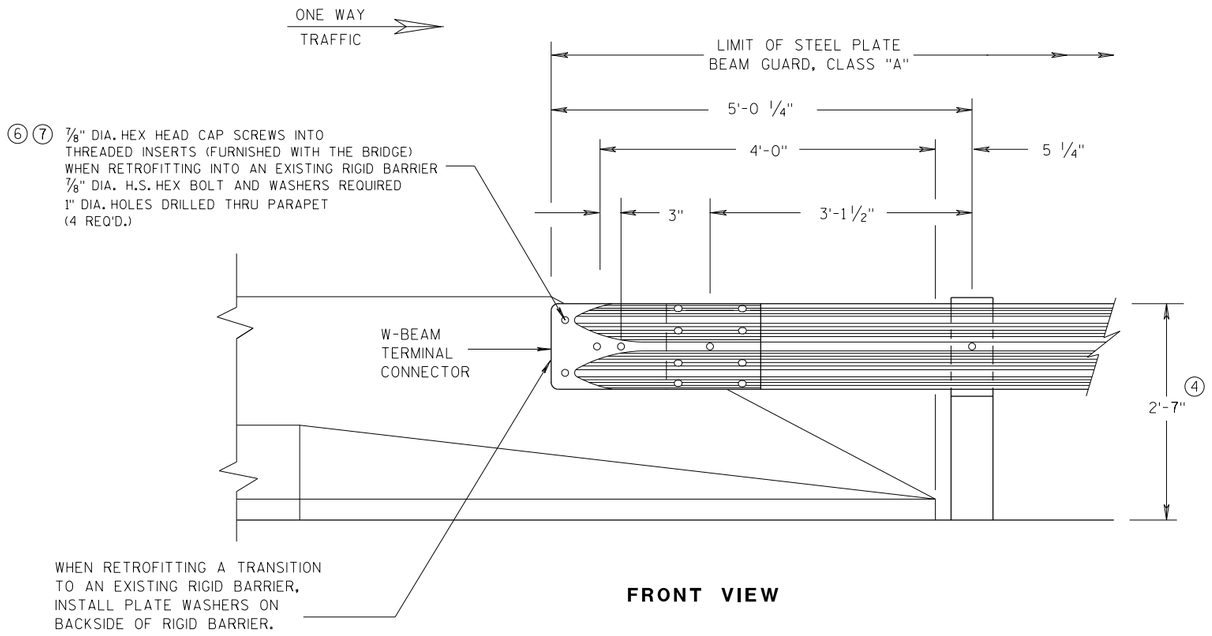
(5) WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 250

6
S.D.D. 14 B 45-5c



FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

(USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)

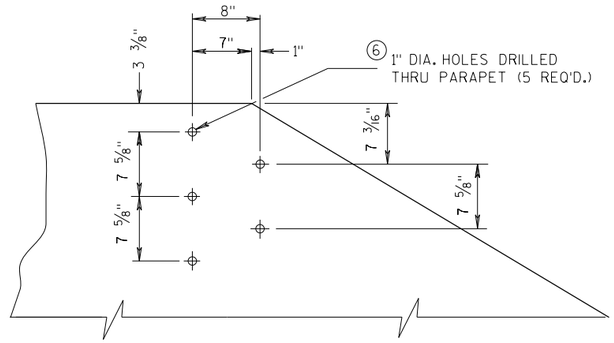
GENERAL NOTES

② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

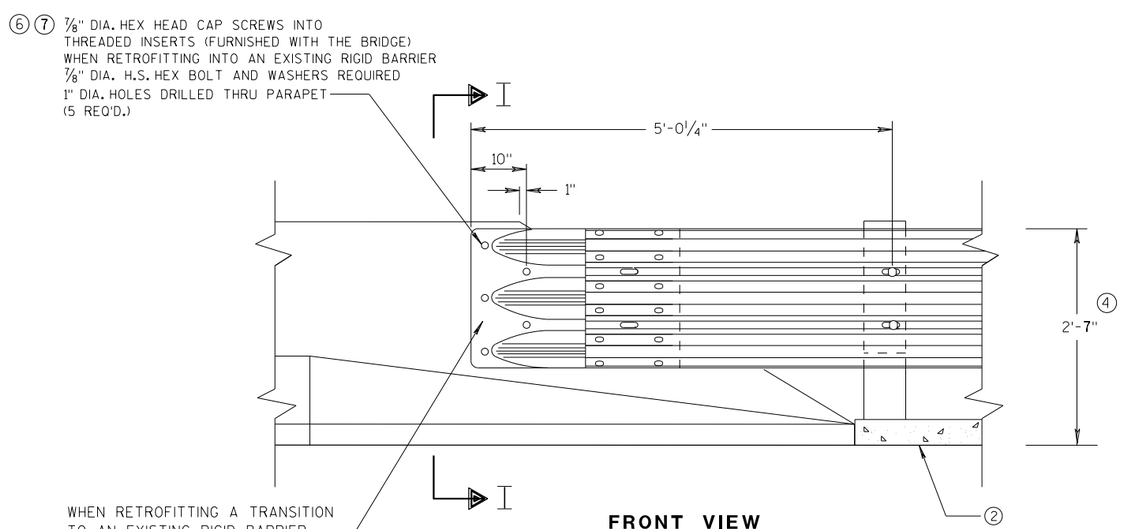
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

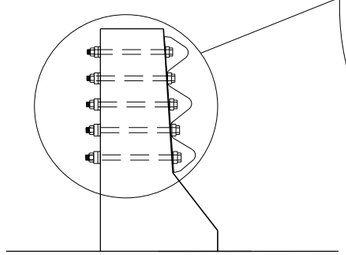
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



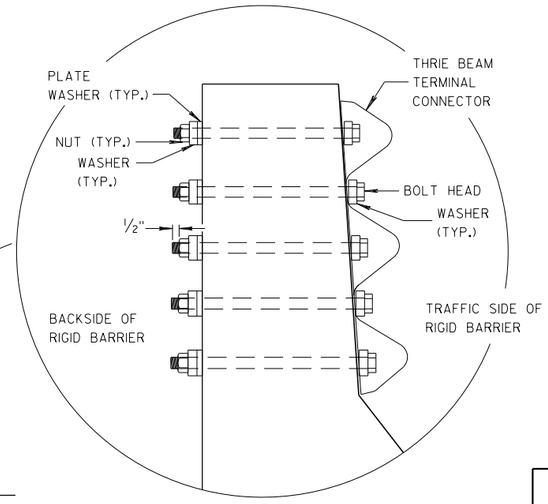
DRILL HOLE LOCATION AND PATTERN
FOR THRIE BEAM CONNECTION



FRONT VIEW



SECTION I-I



THRIE BEAM CONNECTION TO BRIDGE PARAPETS WITH SLOPED ENDS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

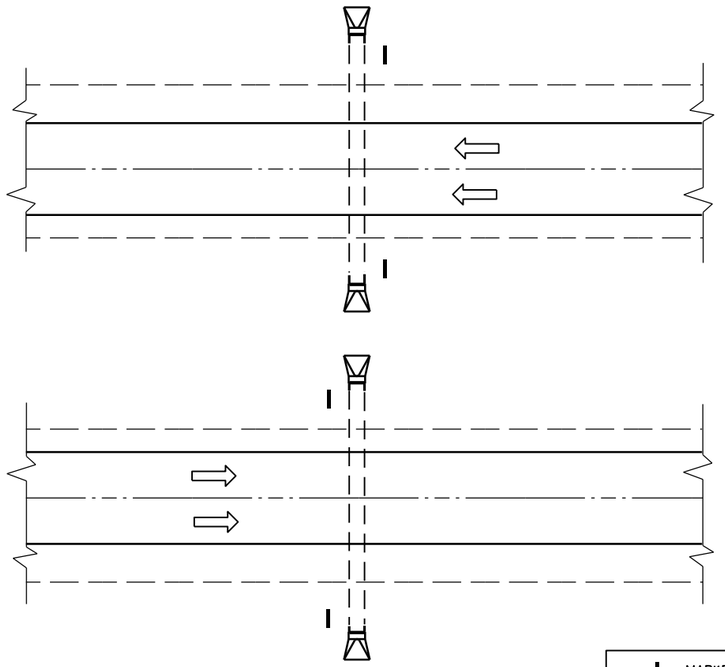
APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS [illegible]ENT
UNIT SUPERVI
FHWA

6

S.D.D. 14 B 45-5f

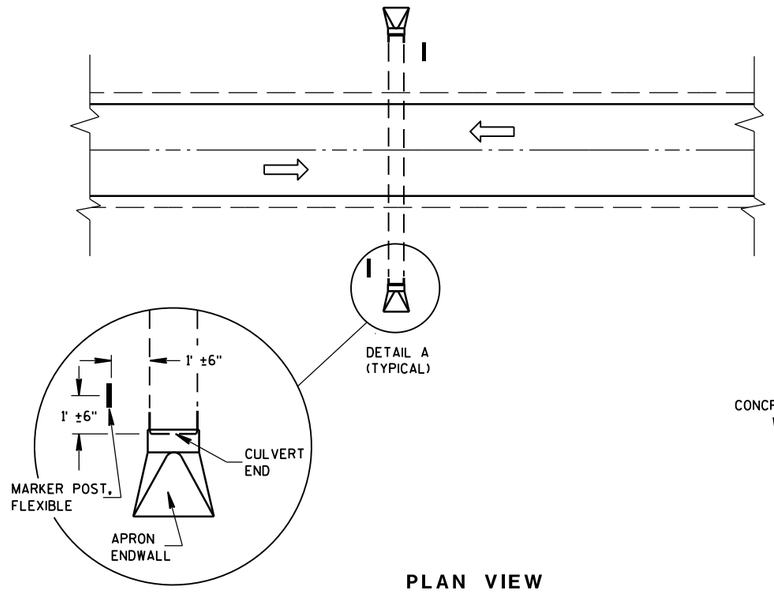
6

S.D.D. 14 B 45-5f



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

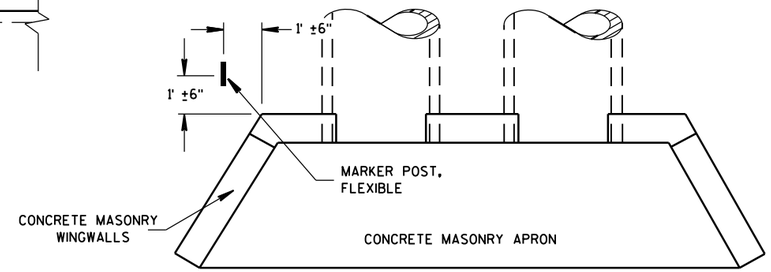
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

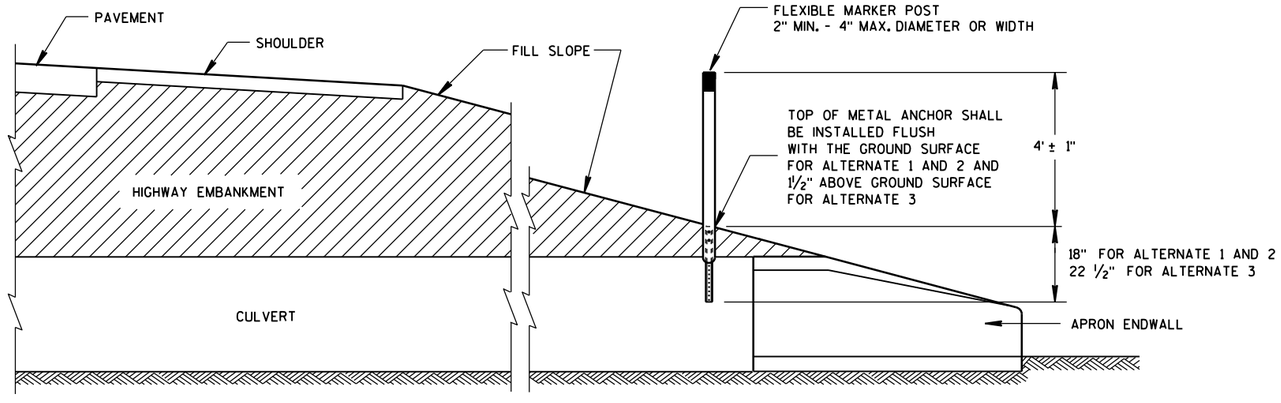
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



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

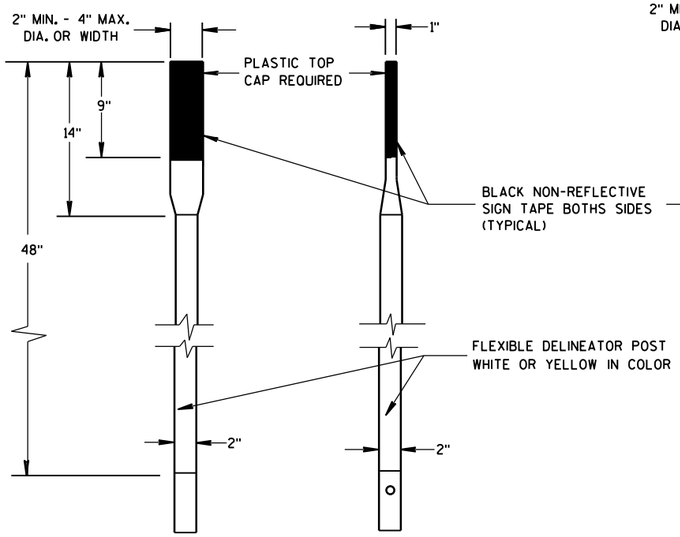
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

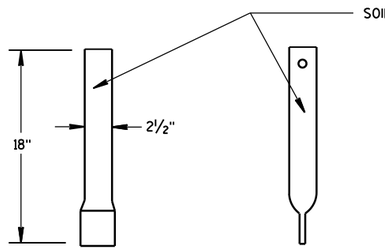
6

S.D.D. 15 A 3-2a

6

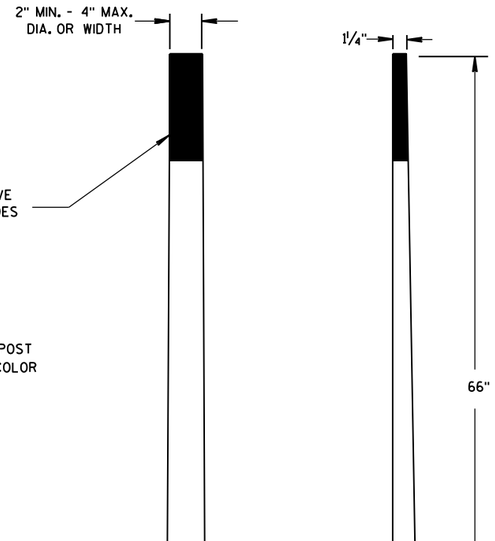
S.D.D. 15 A 3-2a





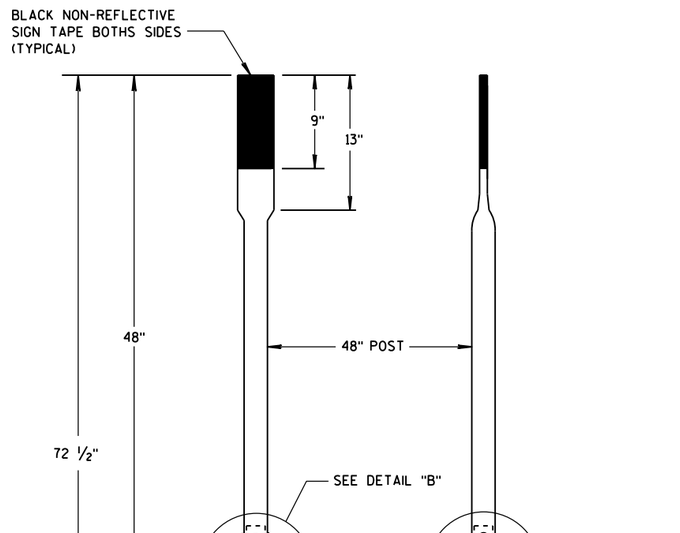
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

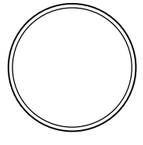
ALTERNATE 2



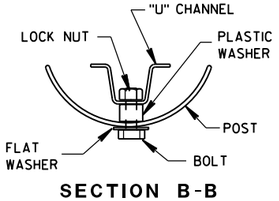
FRONT VIEW SIDE VIEW

ALTERNATE 3

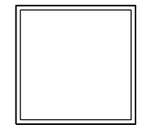
FLEXIBLE MARKER POSTS



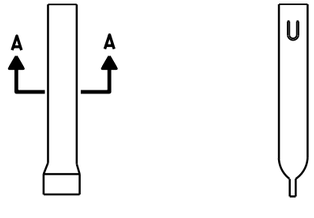
SECTION A-A



SECTION B-B

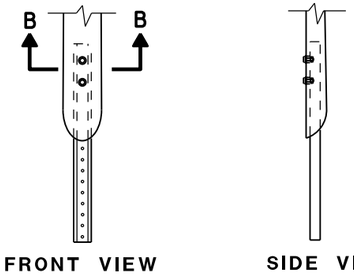


SECTION C-C



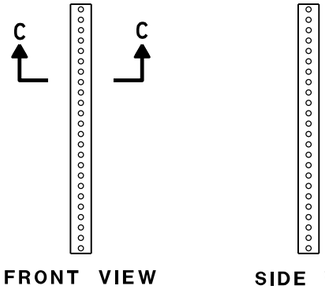
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

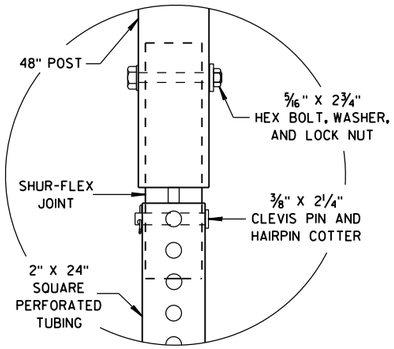
ALTERNATE 2



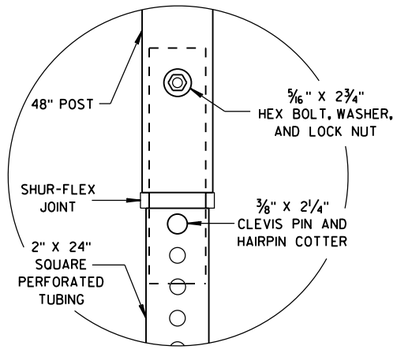
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

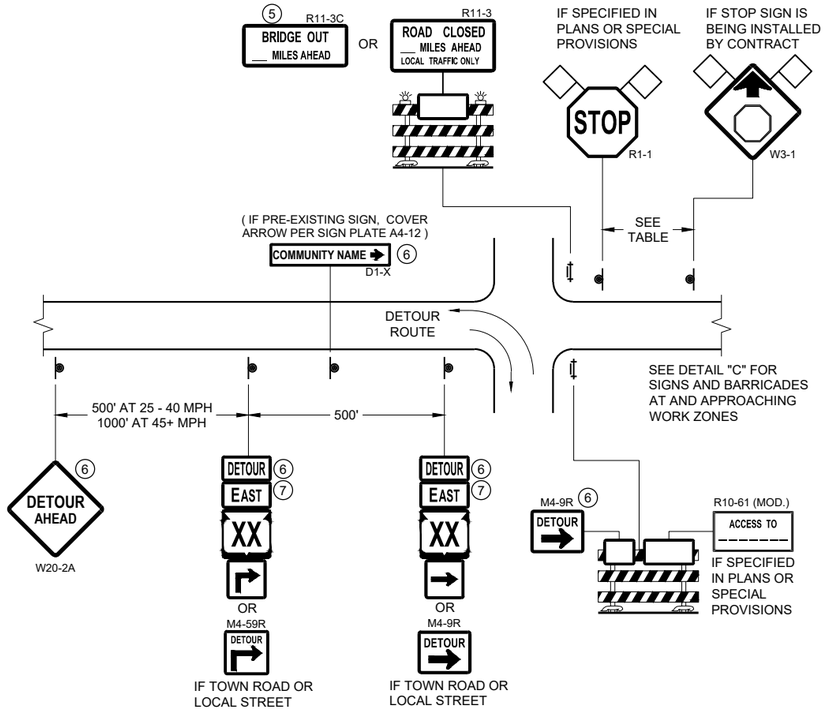
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 15 A 3-2b

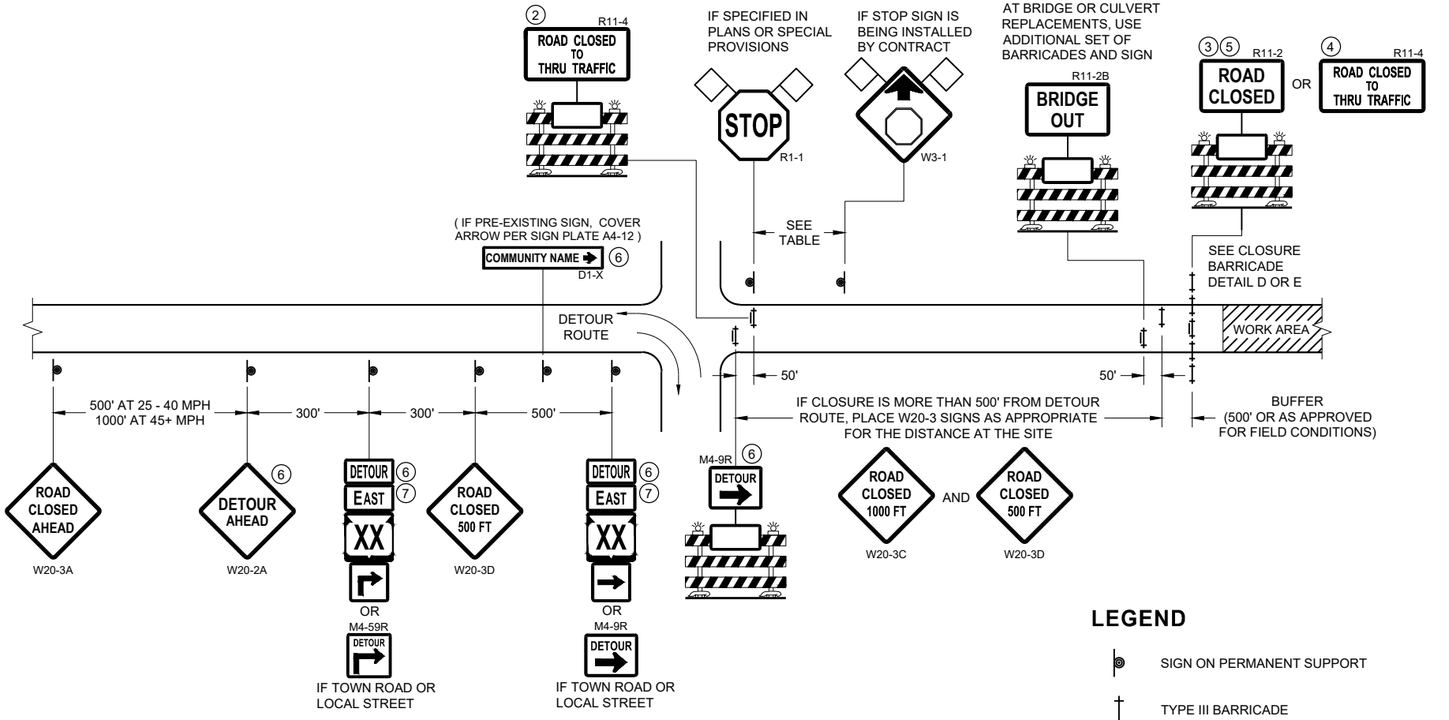
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S.D.D. 15 A 3-2b



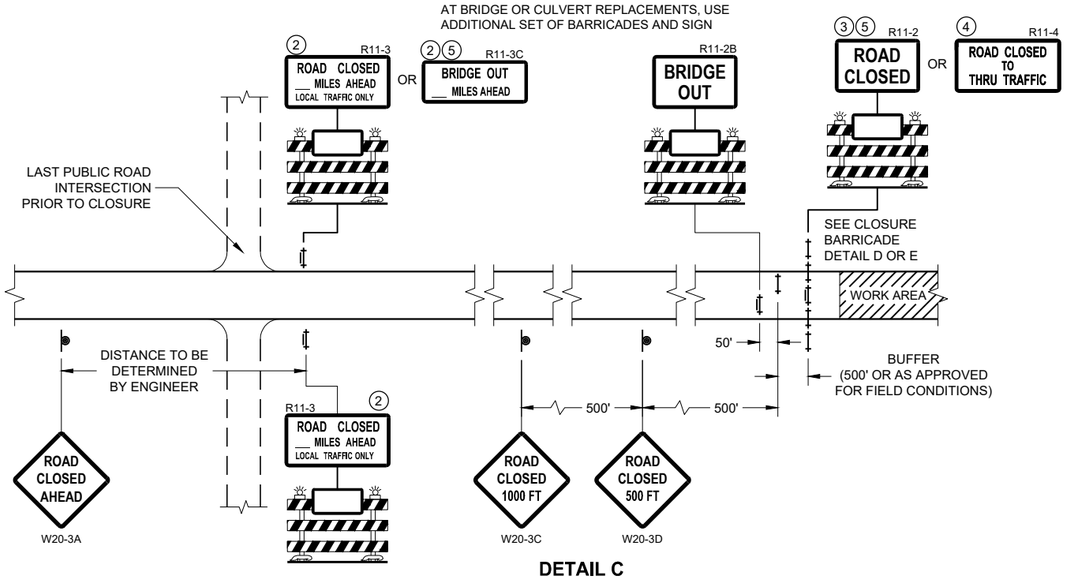
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

DETOUR M4 - 8
EAST M3 - X
XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A
M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

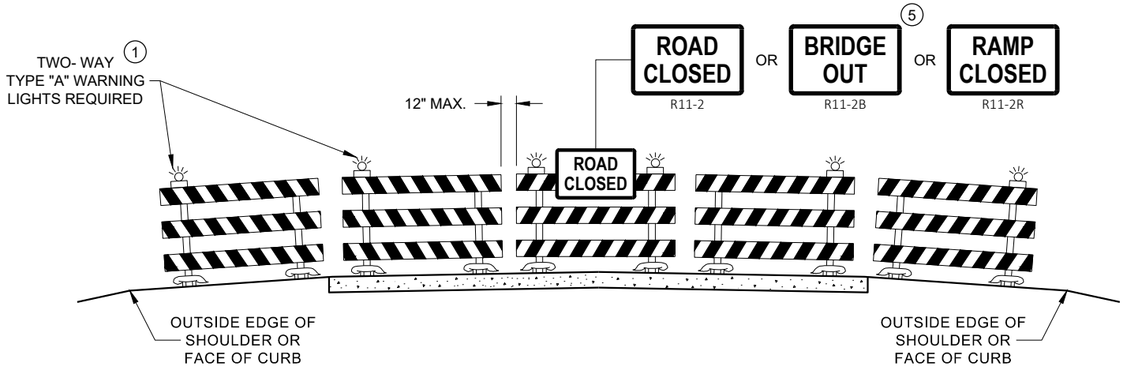
APPROVED
November 2018
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

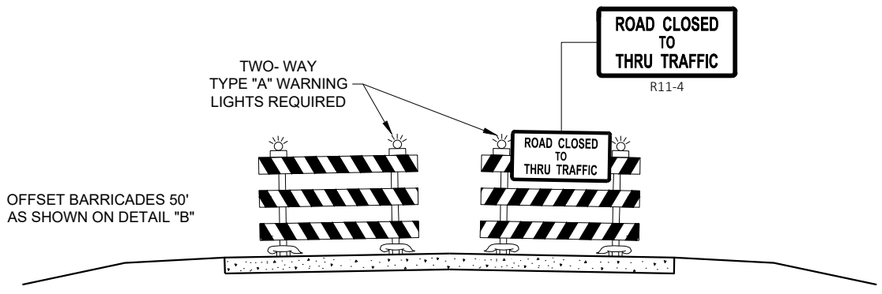
6

SDD 15C02 - 07a

SDD 15C02 - 07a



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
November 2018
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 07b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

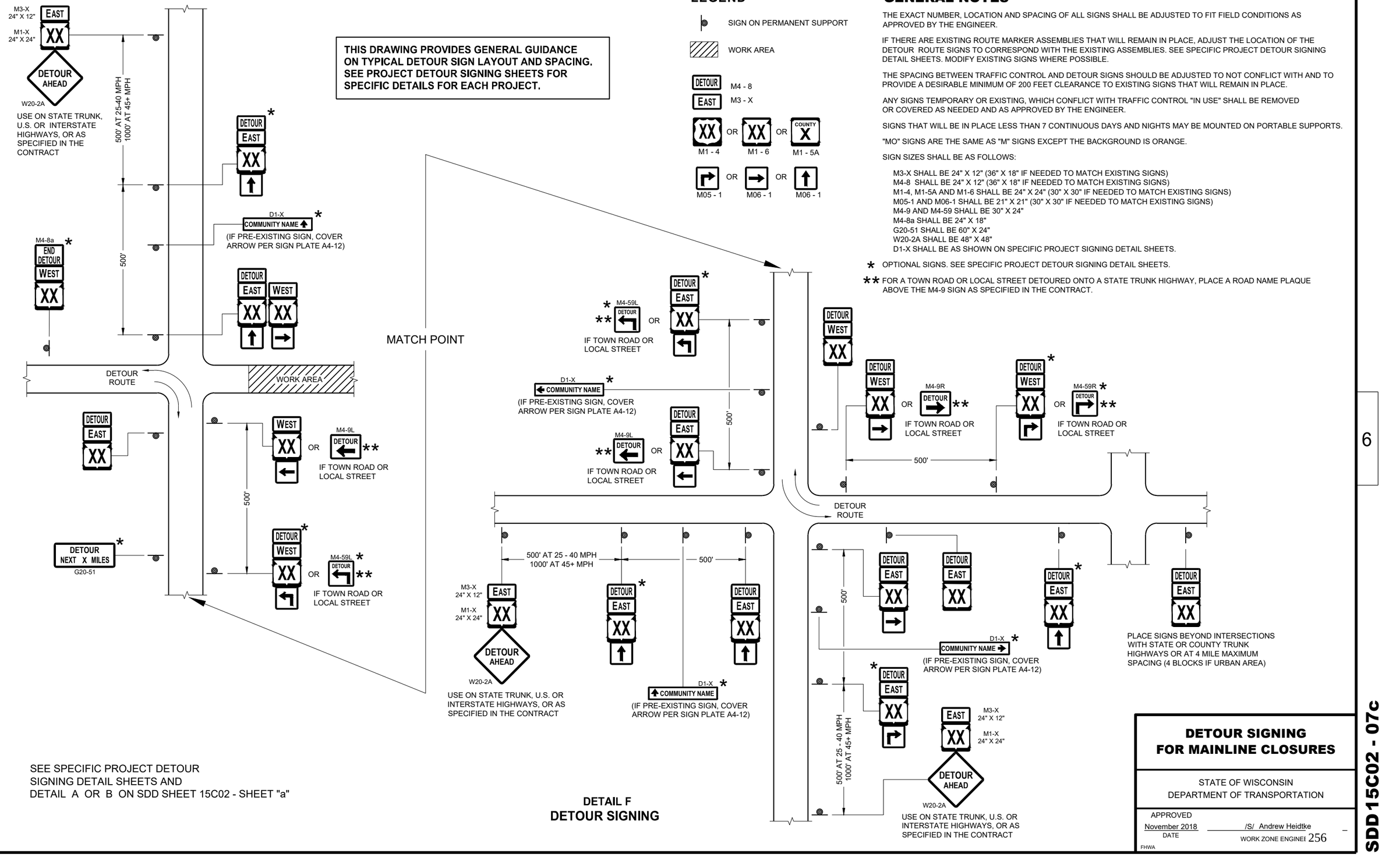
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

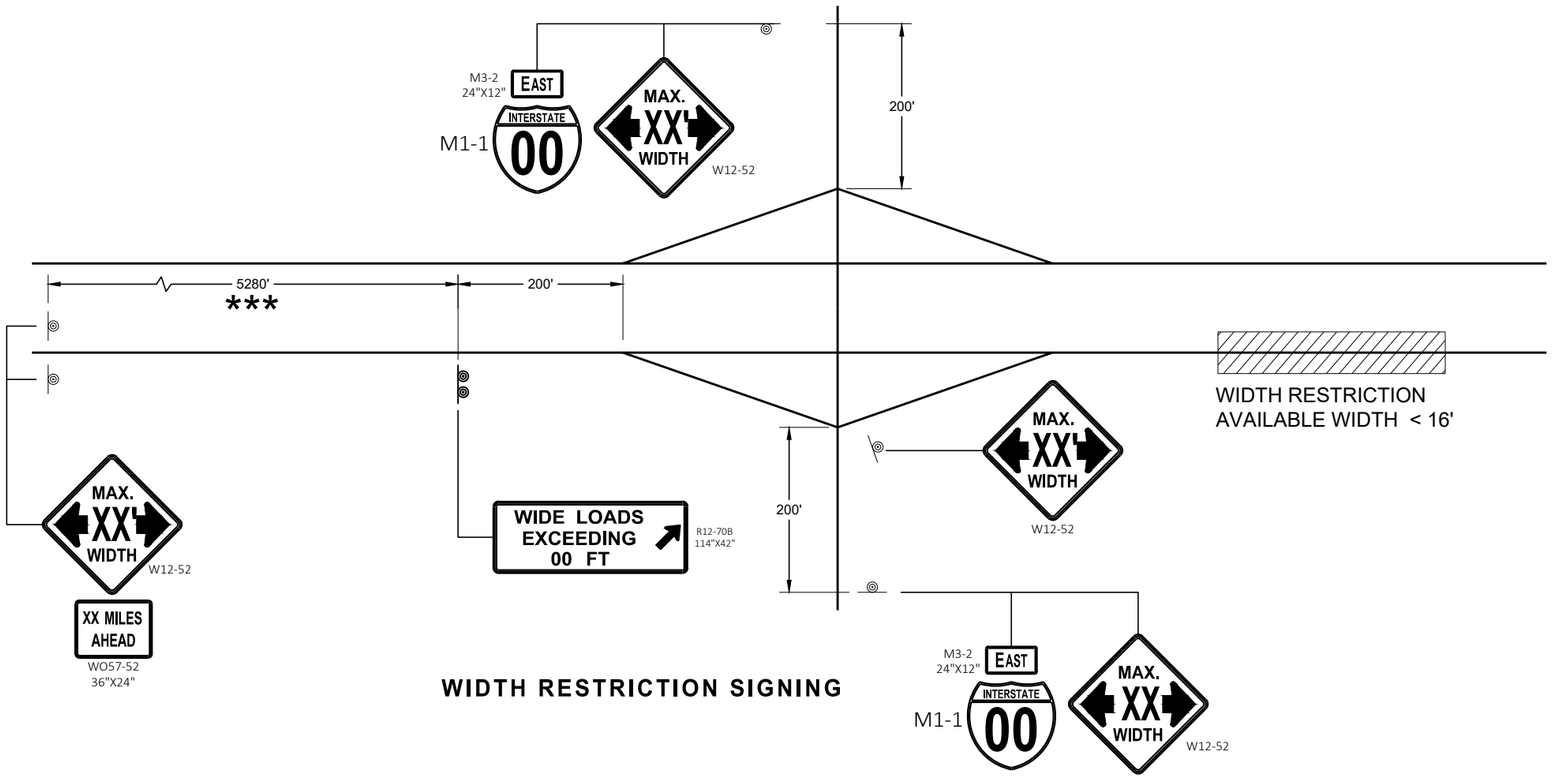
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

SDD 15C02 - 07c

6

SDD 15C02 - 07c



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.

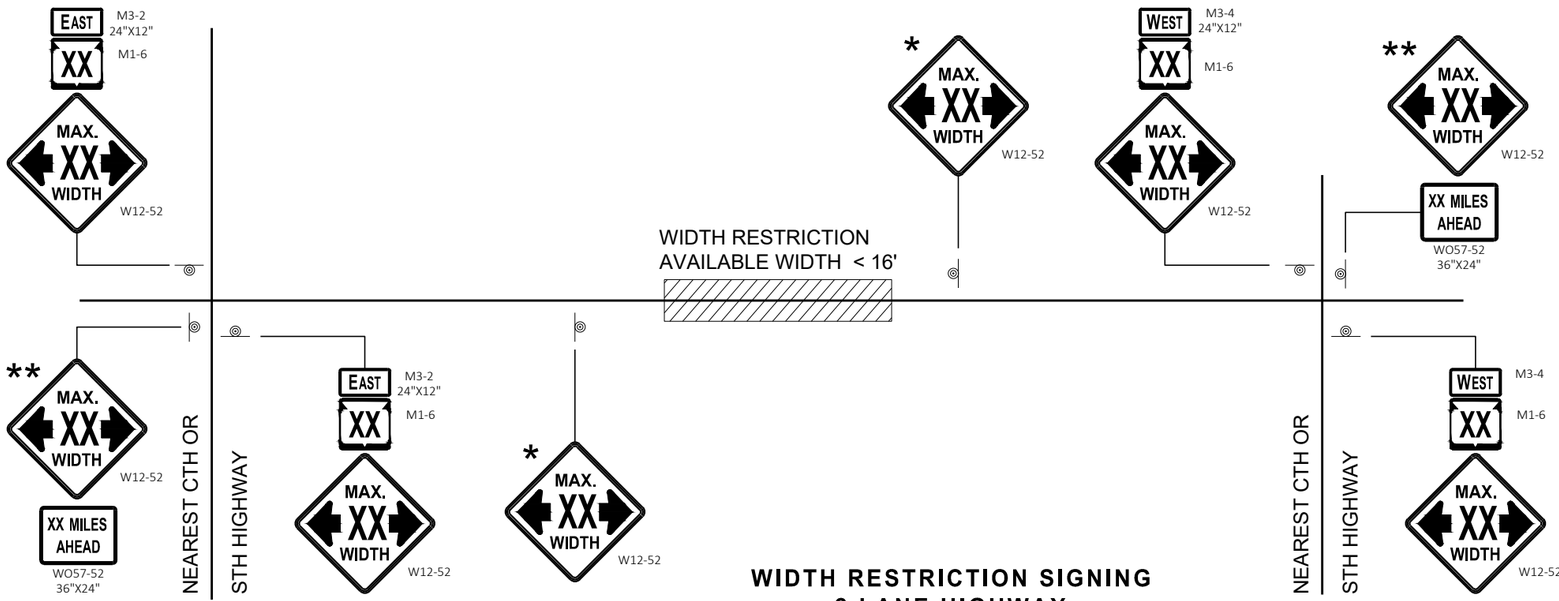
* PLACE 500 FEET BEFORE THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** 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

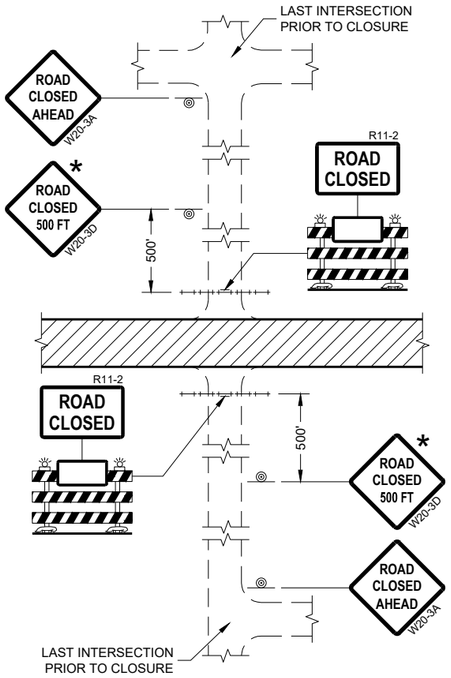
APPROVED
November 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

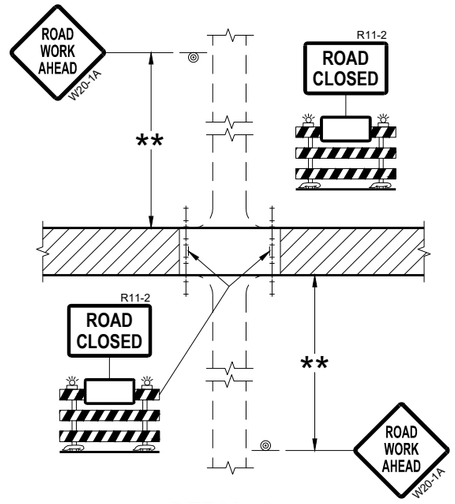
FHWA

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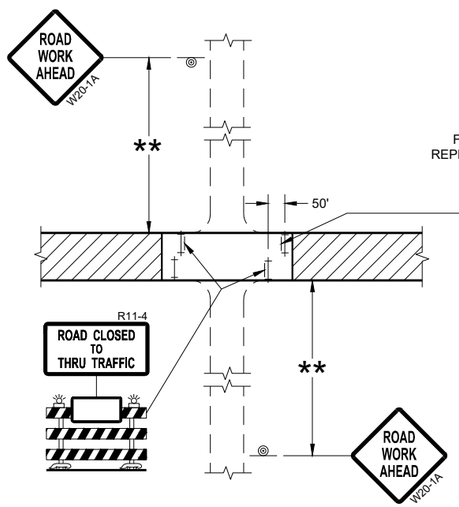
SDD 15C02 - 07f



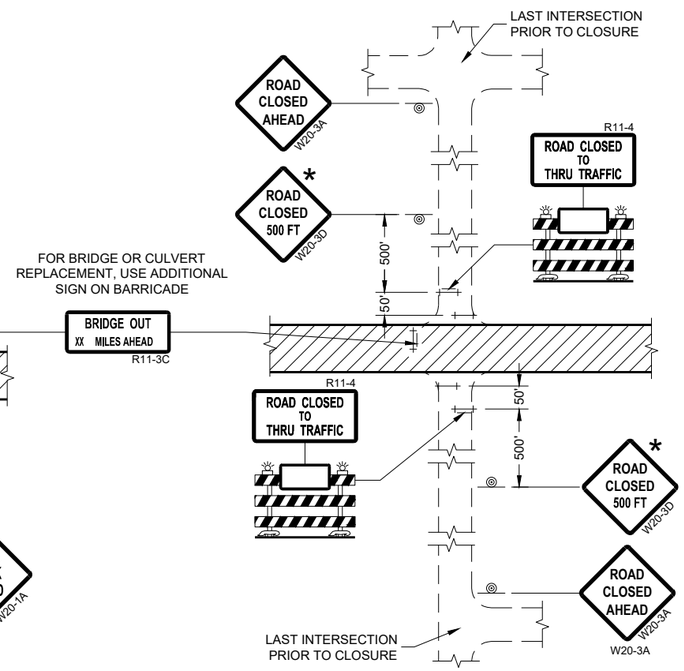
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C03 - 05

GENERAL NOTES

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.

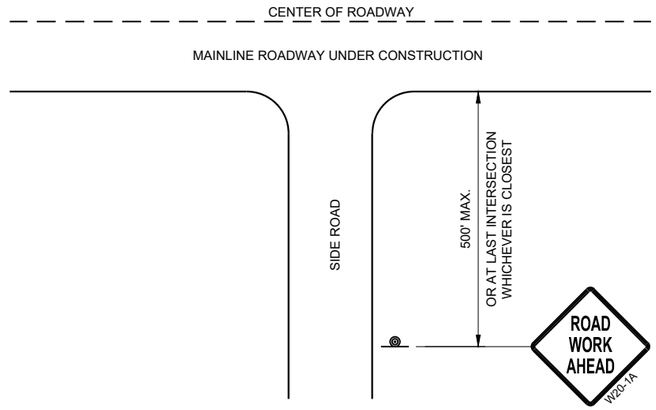
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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.



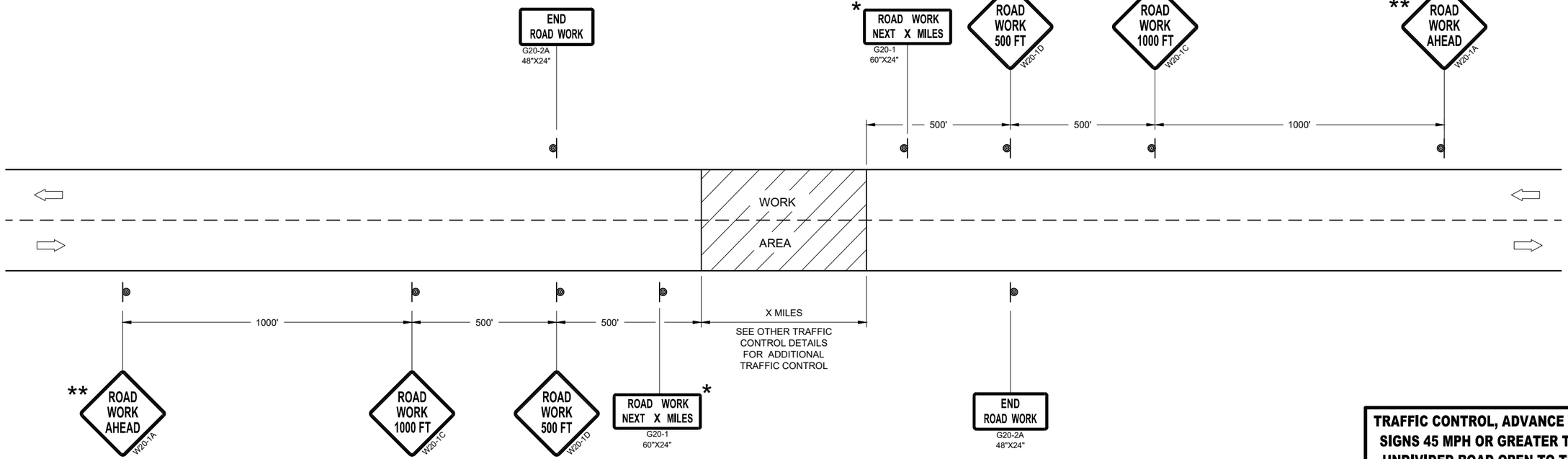
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

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 TRAFFICE

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.

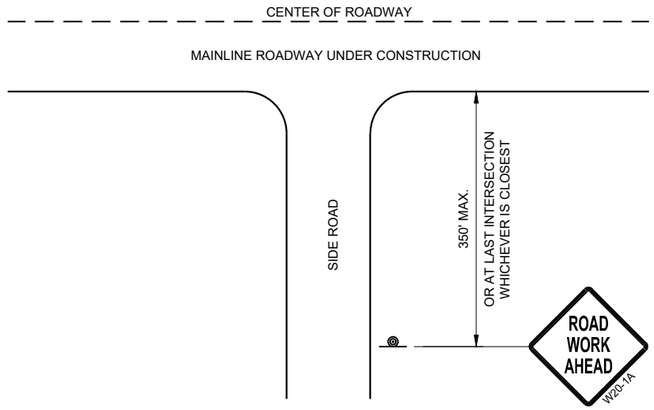
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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.



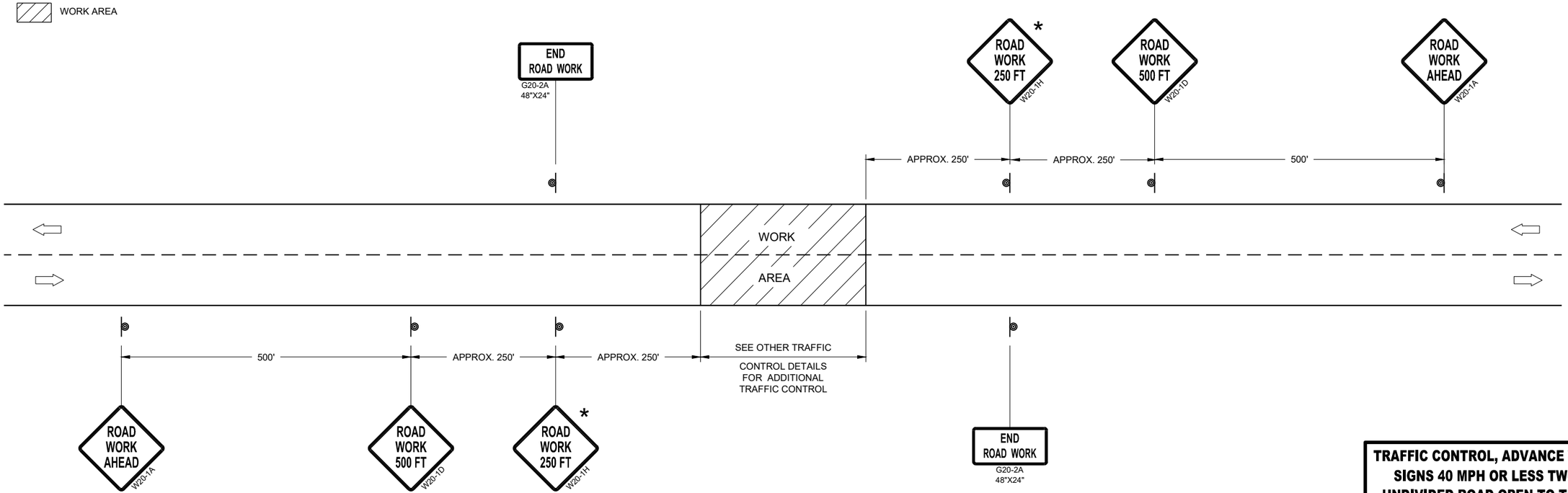
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

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 TRAFFICE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

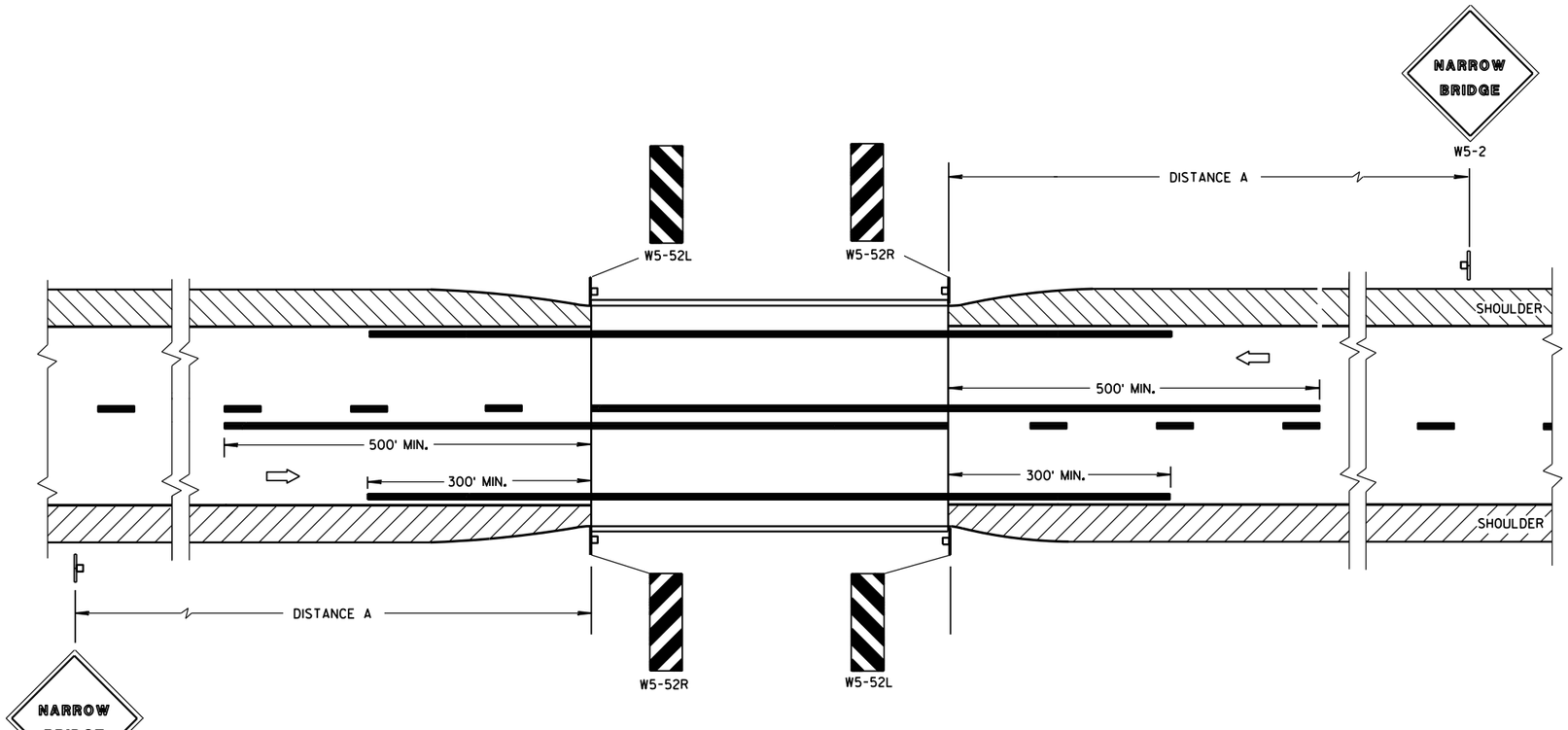
APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

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SDD 15C05 - 05



SITUATION 1

WARRANTING CRITERIA:
BRIDGE WIDTH IS AT LEAST 16 FEET BUT LESS THAN 24 FEET.

DISTANCE TABLE

POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
25	150'
30	200'
35	250'
40	300'
45	400'
50	550'
55	750'

GENERAL NOTES

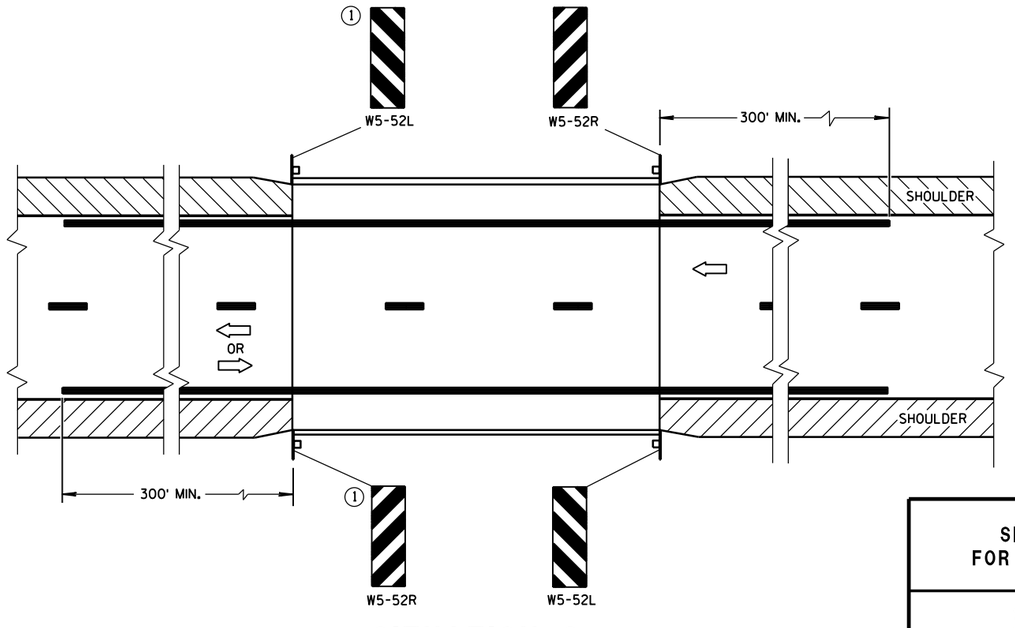
DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

LOCATE W5-52 SIGN POST(S) BEHIND GUARDRAIL WHEN PRESENT.

PLACE THE EDGE OF THE W5-52 SIGN IN LINE WITH FACE OF CURB OR PARAPET.

(1) OMIT ON ONE-WAY TRAVELLED WAYS.

⇨ DIRECTION OF TRAFFIC



SITUATION 2

WARRANTING CRITERIA:

1. BRIDGE WIDTH IS AT LEAST 24 FEET AND
2. BRIDGE SHOULDER WIDTH IS LESS THAN 6 FEET.

SIGNING & MARKING FOR TWO LANE BRIDGES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

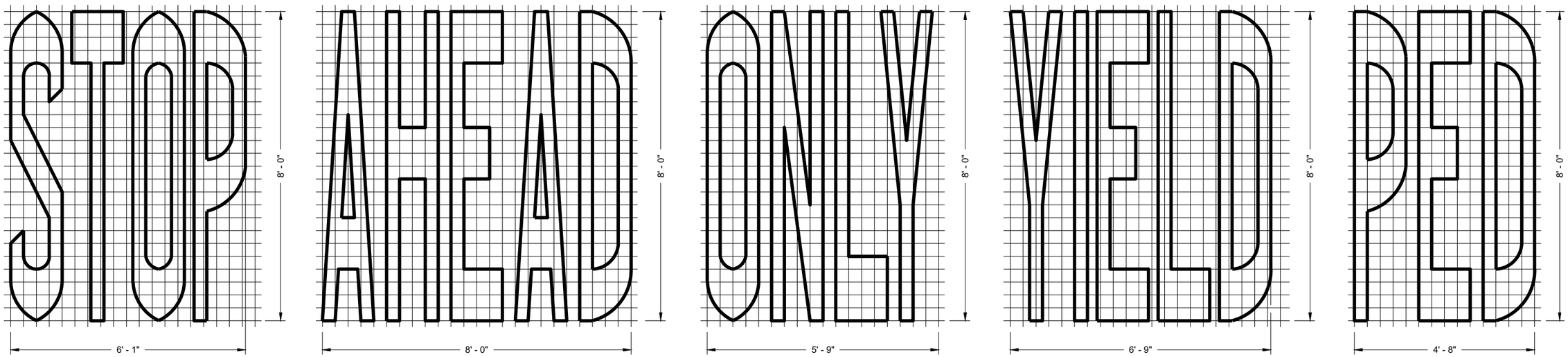
APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MAR ...EER
FHWA

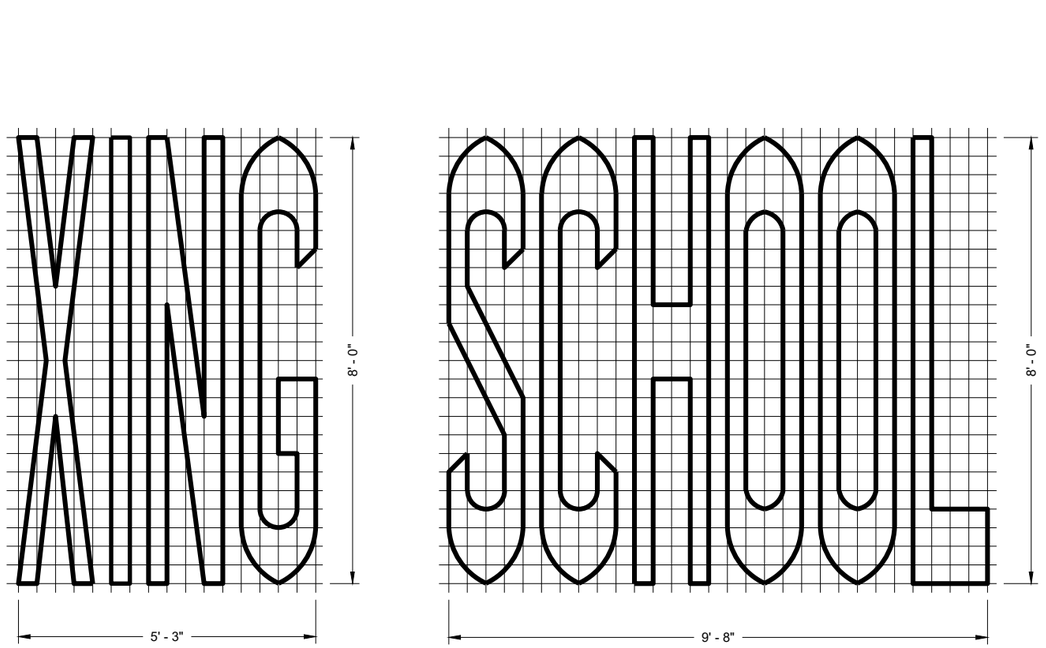
6

S.D.D. 15 C 6-9

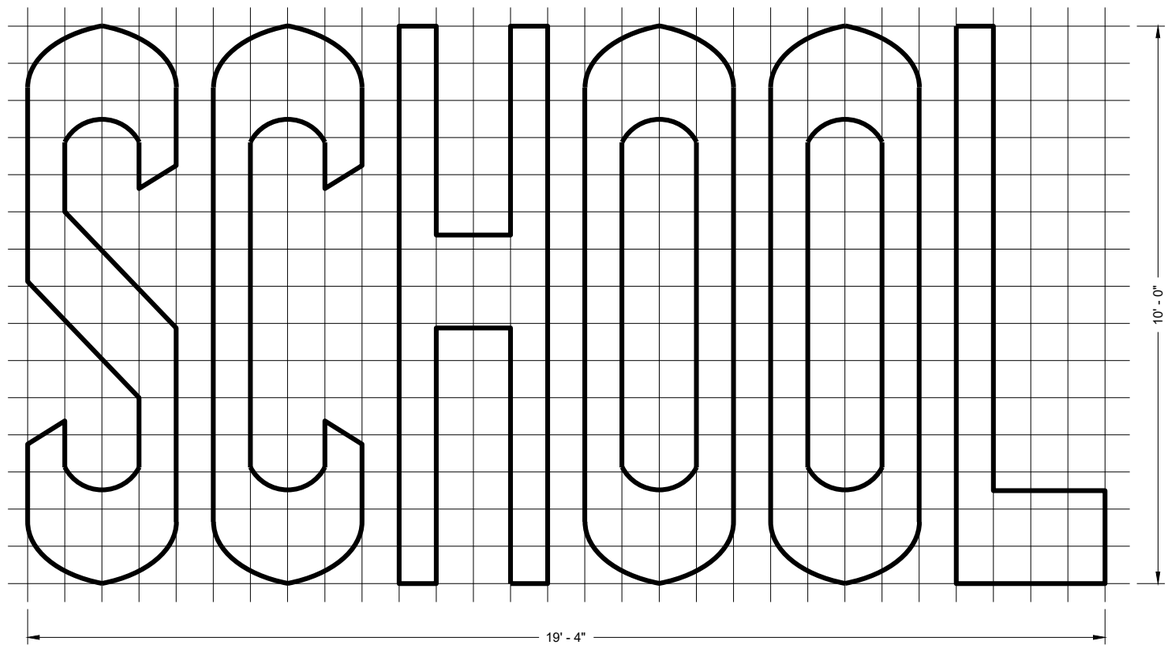
6

S.D.D. 15 C 6-9





SINGLE LANE



TWO - LANE

GENERAL NOTES

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

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

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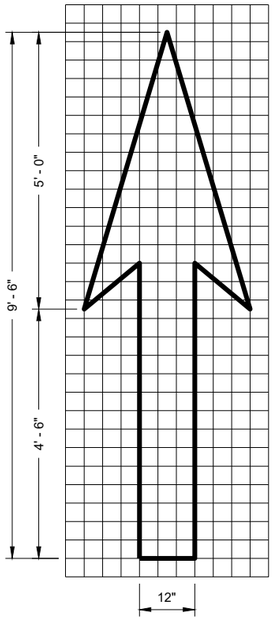
SDD 15C07 - 15b

6

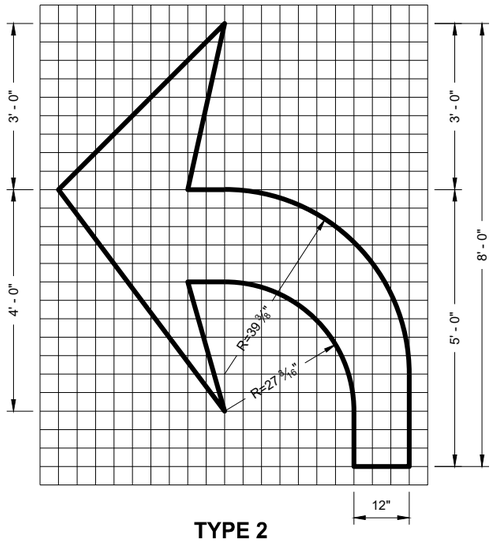
SDD 15C07 - 15b

GENERAL NOTES

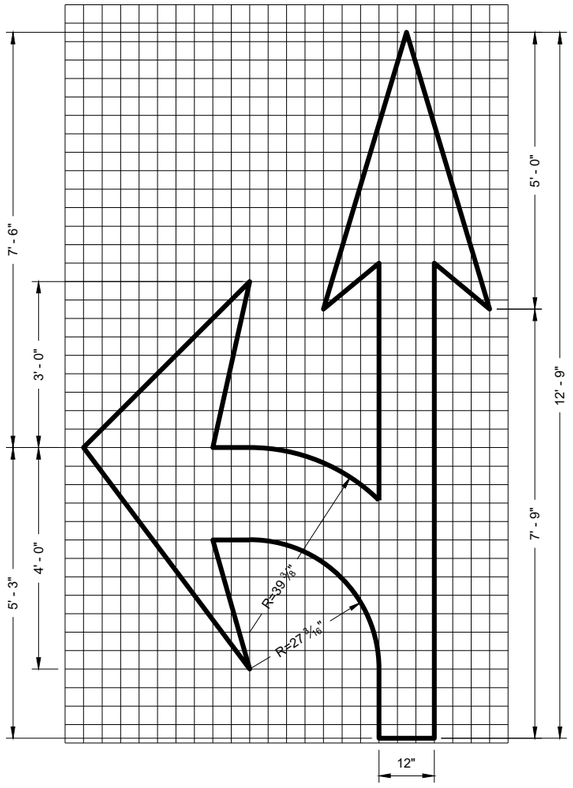
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



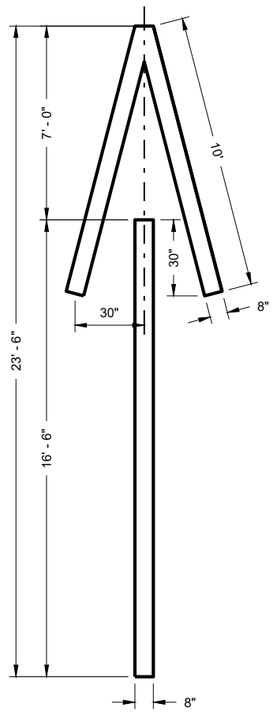
TYPE 1



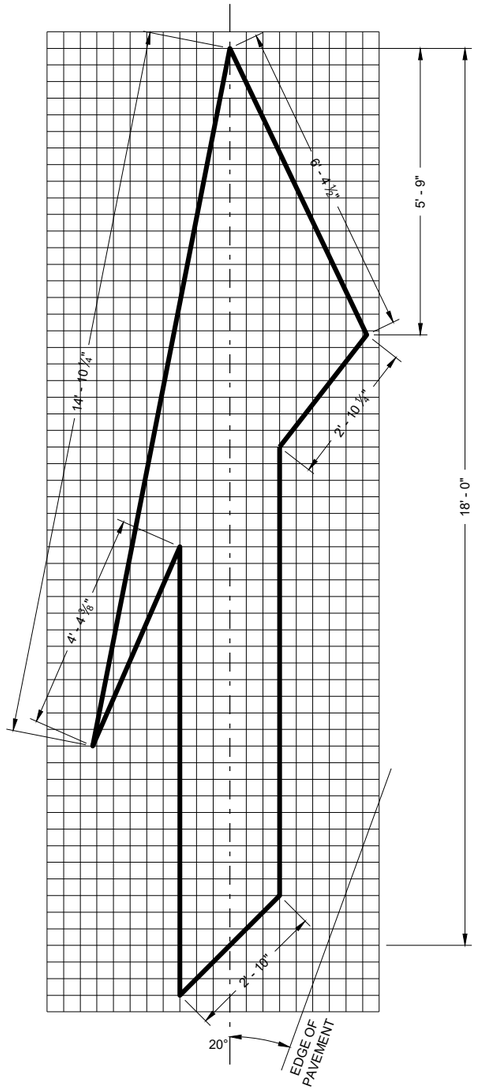
TYPE 2



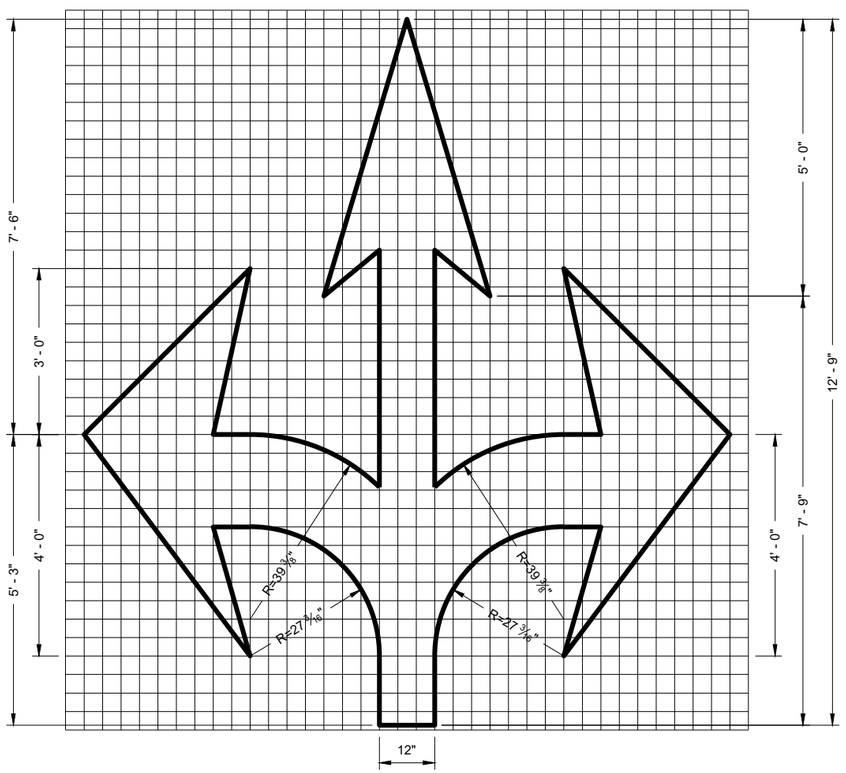
TYPE 3



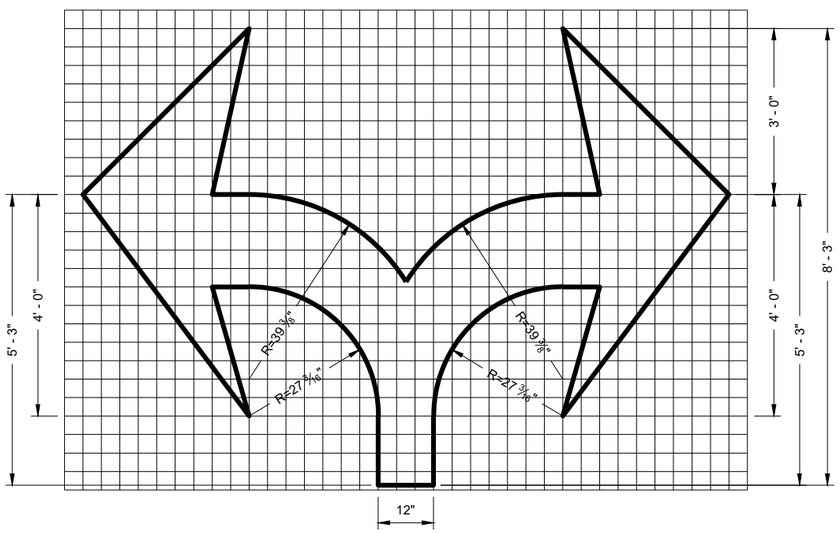
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

FHWA

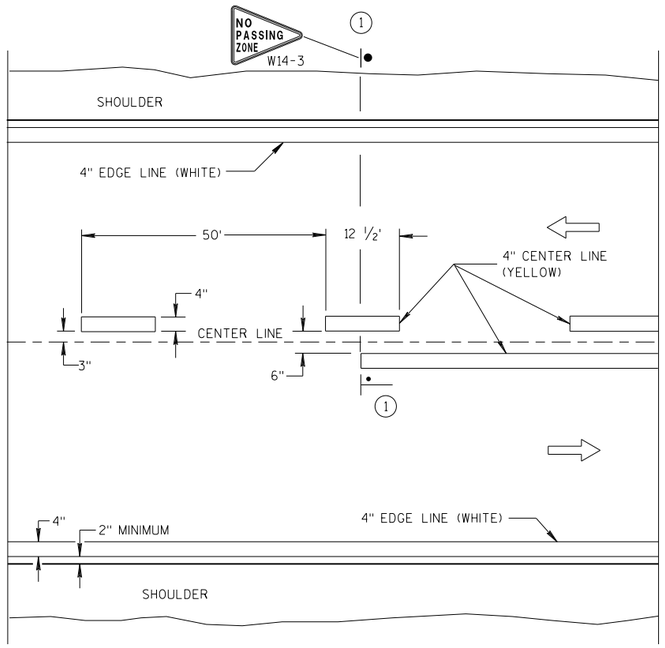
263

6

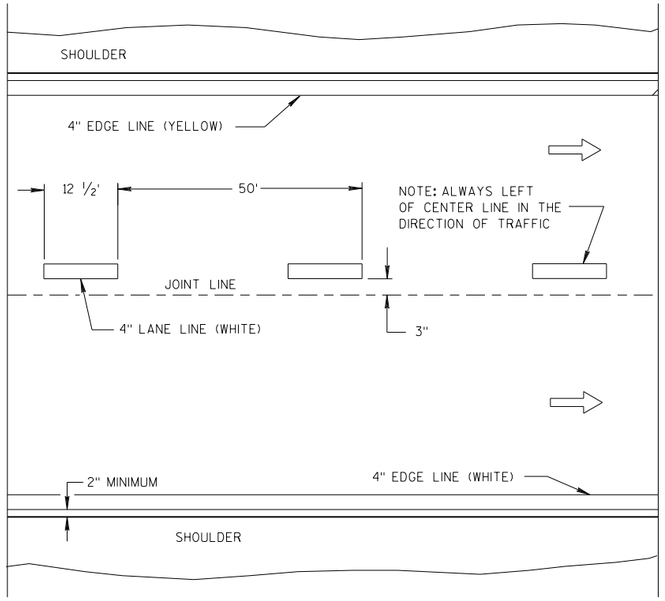
SDD 15C07 - 15c

6

SDD 15C07 - 15c



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT 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.

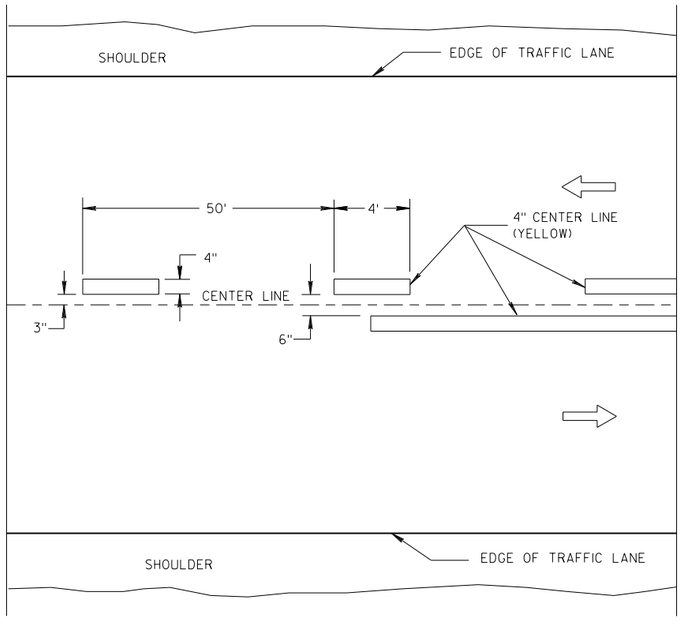
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

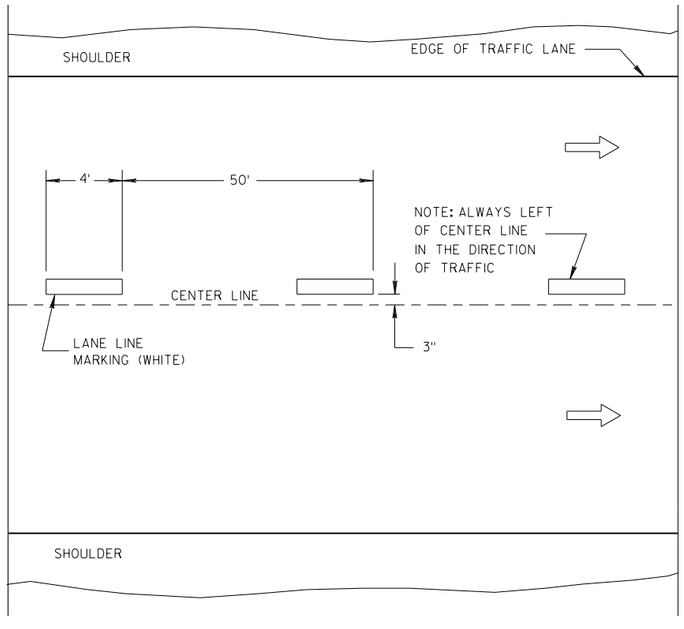
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018 DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MARKING ENGINEER

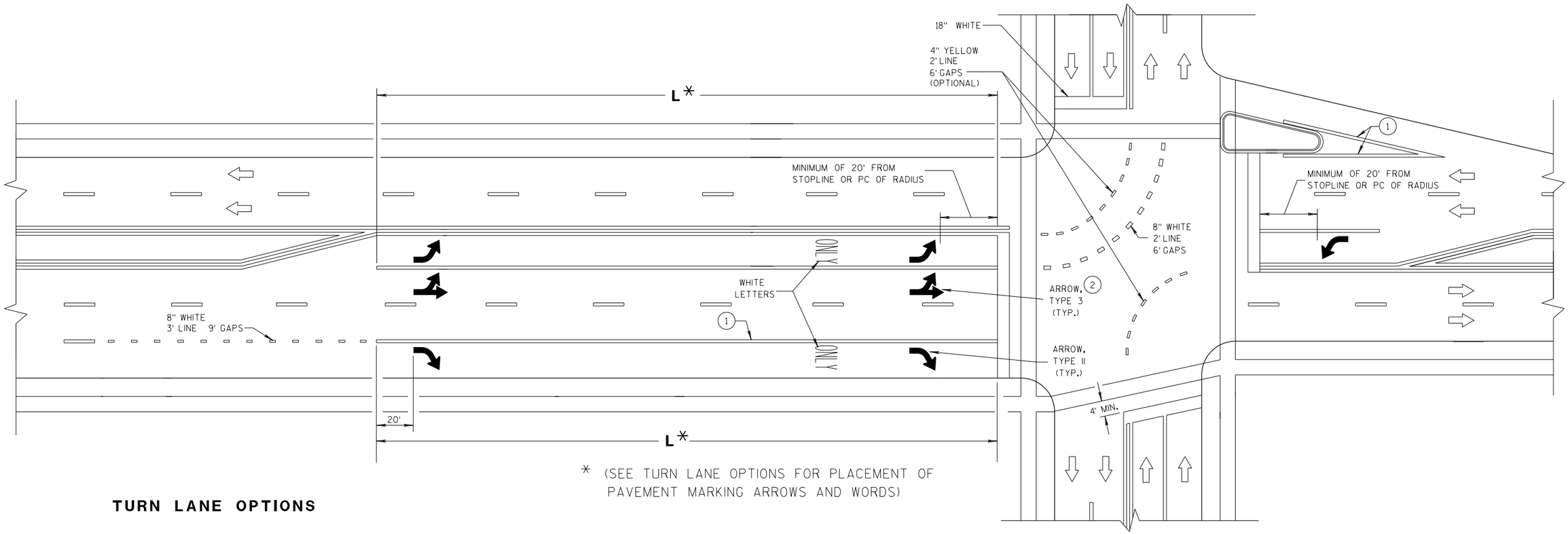
FHWA

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S.D.D. 15 C 8-19a

6

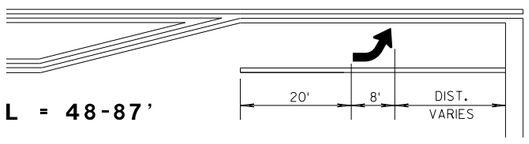
S.D.D. 15 C 8-19a



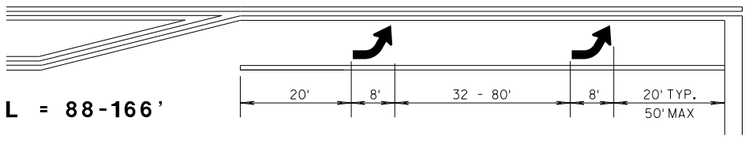
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

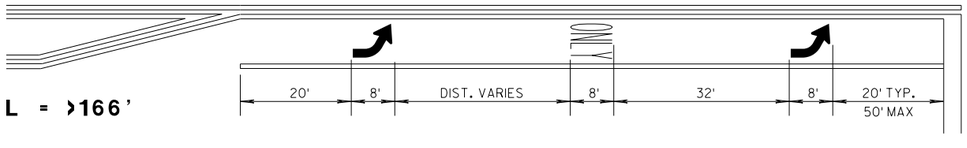
LENGTH OF TURN BAY (**L**) OF 0-47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48-87'



L = 88-166'



L = >166'

GENERAL NOTES

(1) 8" WHITE

(2) QUANTITY AND LOCATION OF TYPE 3 ARROW ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION, THE ARROWS AND ONLY MARKING ARE ELIMINATED.

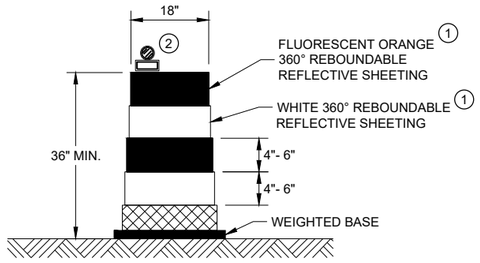
⇨ DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

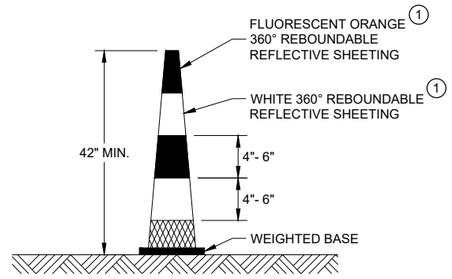
PAVEMENT MARKING (TURN LANES)

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.

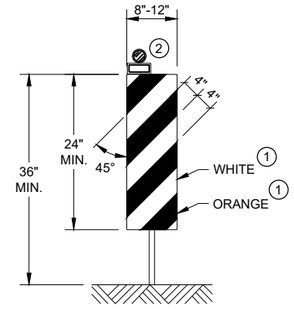


DRUM



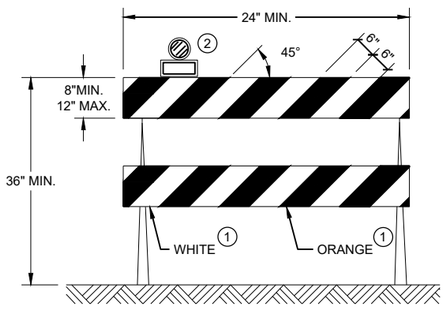
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



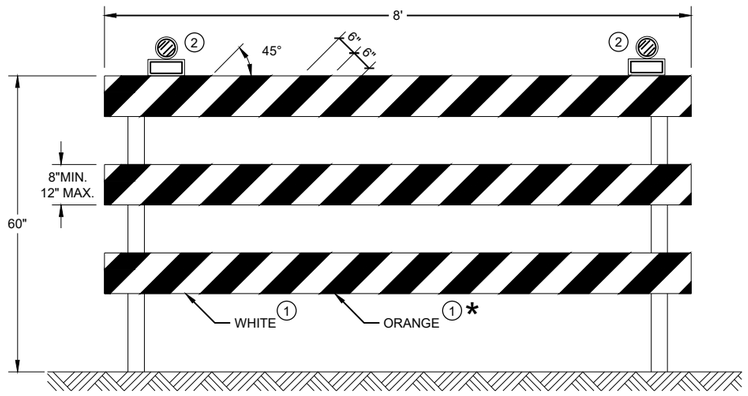
VERTICAL PANEL

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
June 2017
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C11 - 07b

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LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

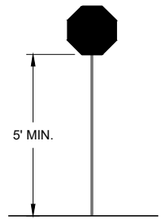
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FOR THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



STOP/SLOW PADDLE ON SUPPORT STAFF

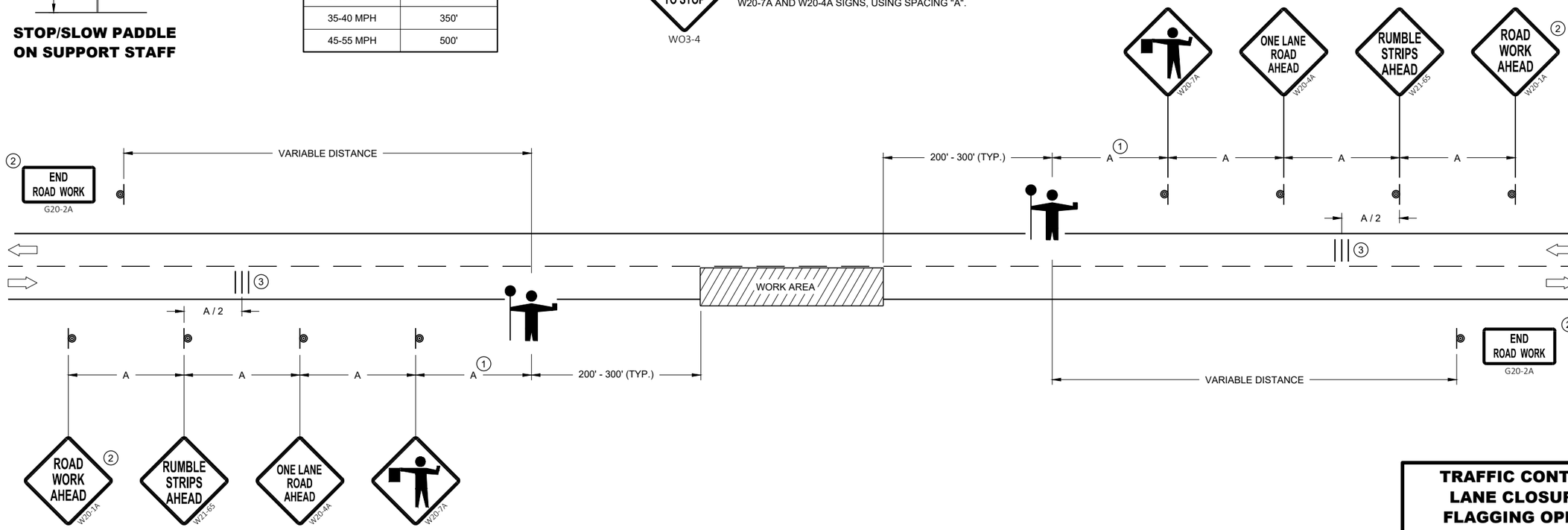
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

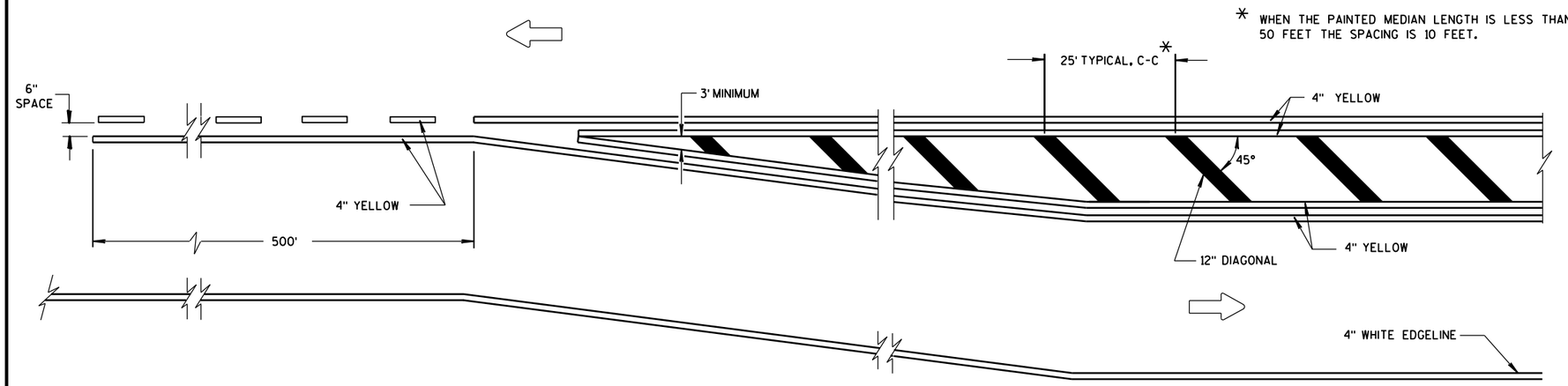
APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C12 - 07

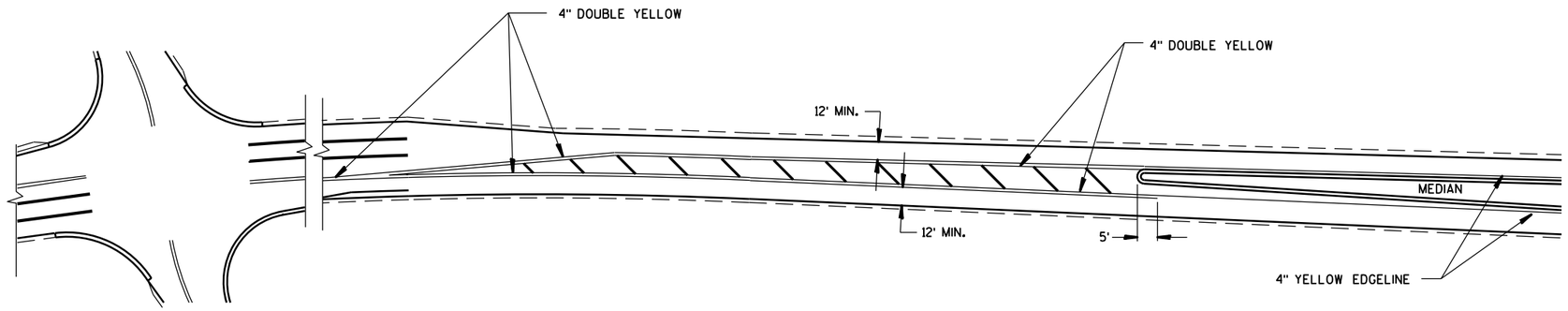


MEDIAN ISLAND DETAIL

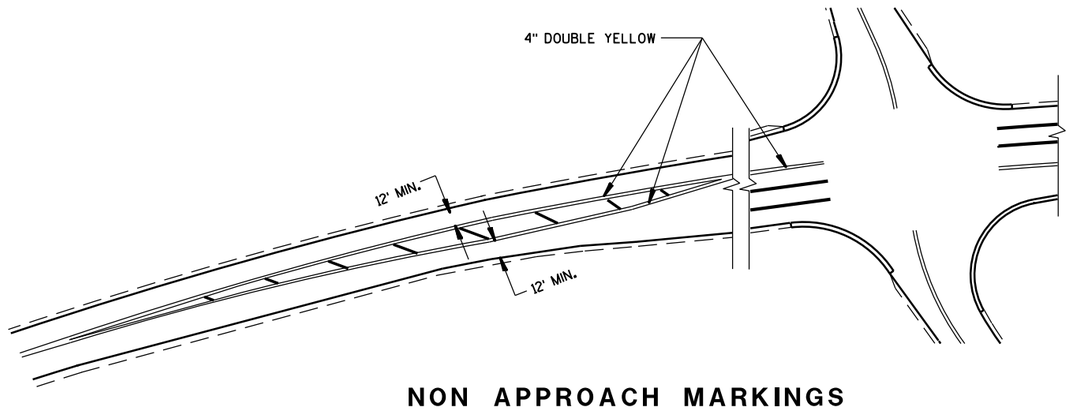
GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON APPROACH MARKINGS

MEDIAN ISLAND MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE FHWA	/S/ Matthew Rauch STATE SIGNING AND MARK ER

6
S.D.D. 15 C 18-4

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.

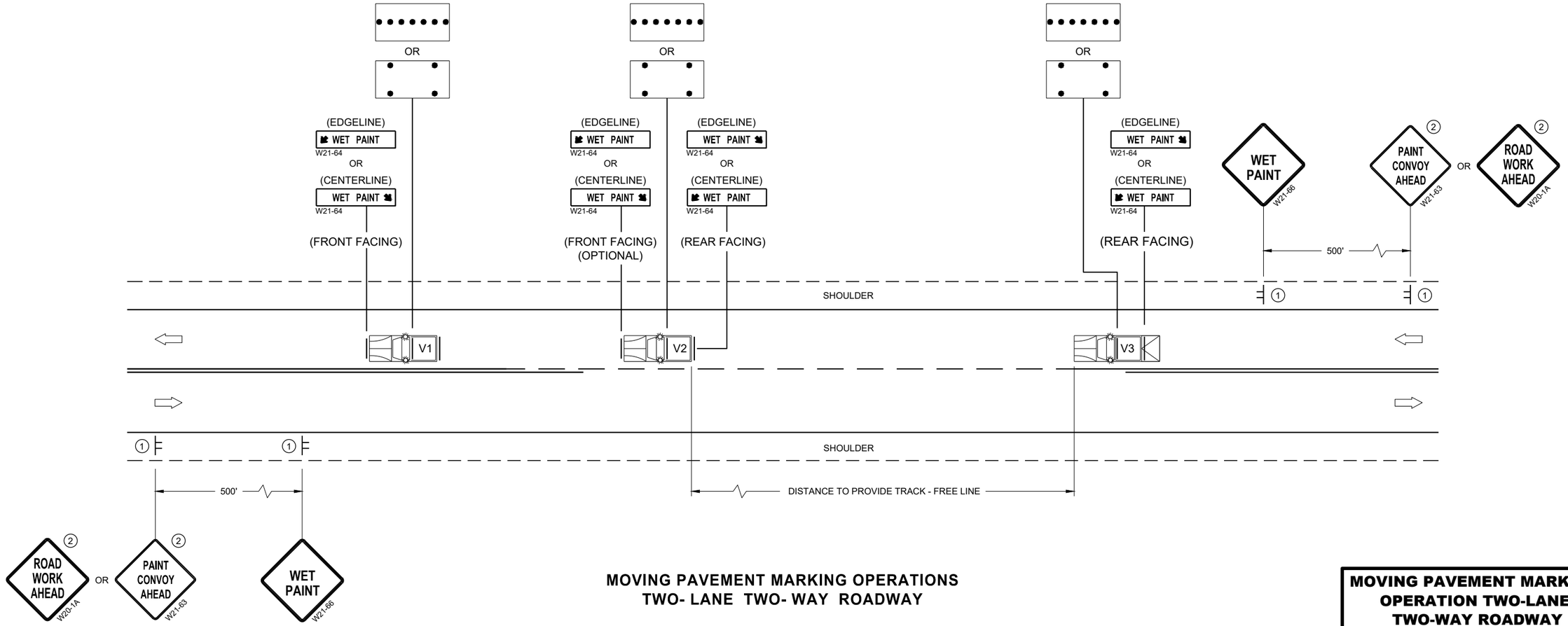
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

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 18" 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 ENGINEE

FHWA

SDD 15C19 - 06a

SDD 15C19 - 06a

LEGEND

V1 LEAD VEHICLE

V2 MARKING VEHICLE

V3 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

FLASHING ARROW PANEL (MERGE)

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. 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.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

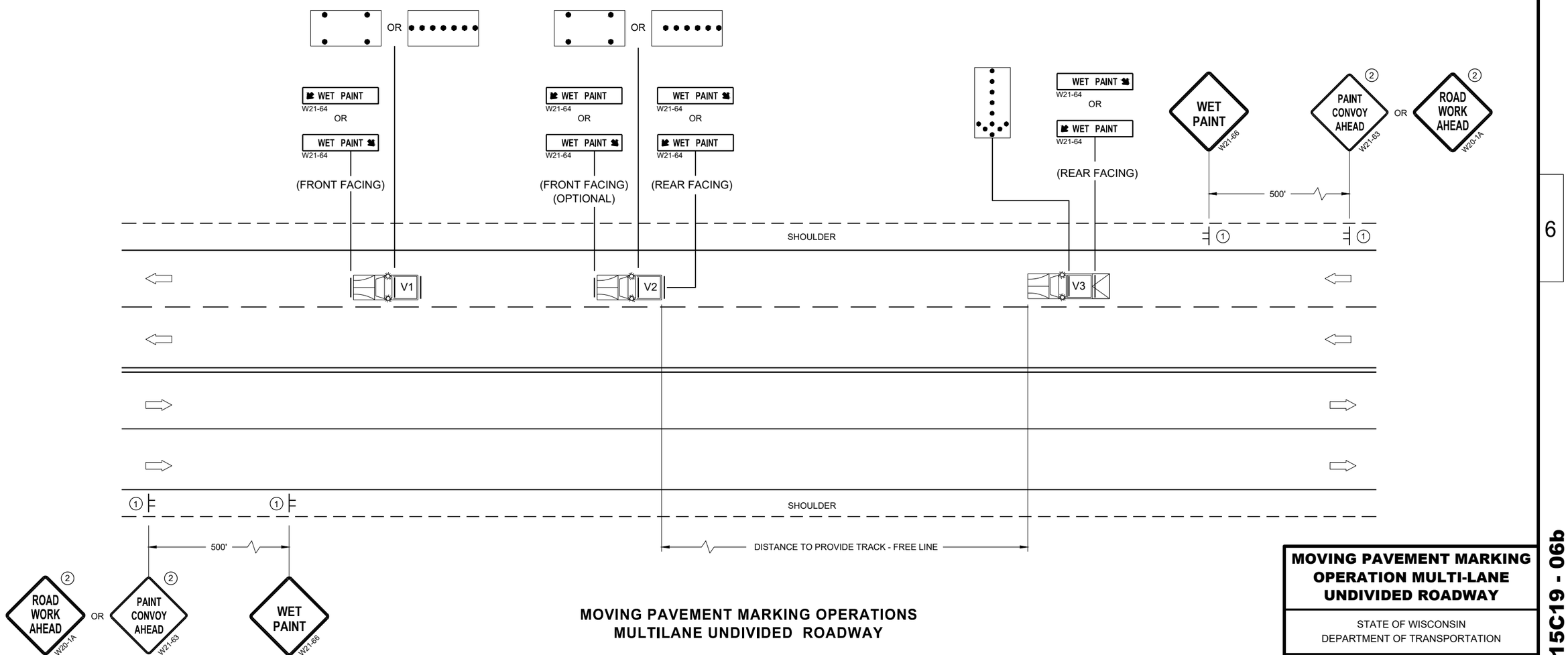
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLES 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 HAVE A MINIMUM HEIGHT OF 18" FOR WET PAVEMENT MARKINGS.

(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
MULTILANE UNDIVIDED ROADWAY

MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
270

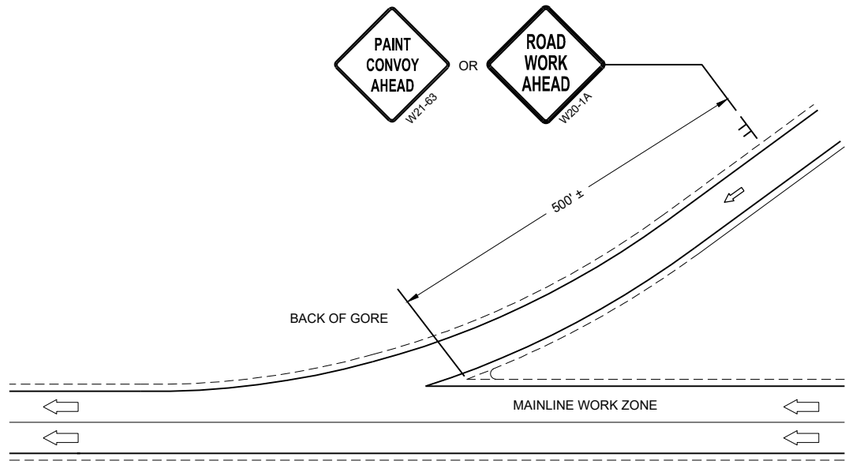
FHWA

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SDD 15C19 - 06b

LEGEND

- V1 MARKING VEHICLE
- V2 SHADOW VEHICLE
- V3 TRAIL VEHICLE
- TRUCK MOUNTED ATTENUATOR (TMA)
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW PANEL (MERGE)
- 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. 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.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

IF THE SHOULDER IS TOO NARROW TO ACCOMMODATE THE LAST TRAILING VEHICLE, THE VEHICLE SHOULD STRADDLE THE EDGE LINE.

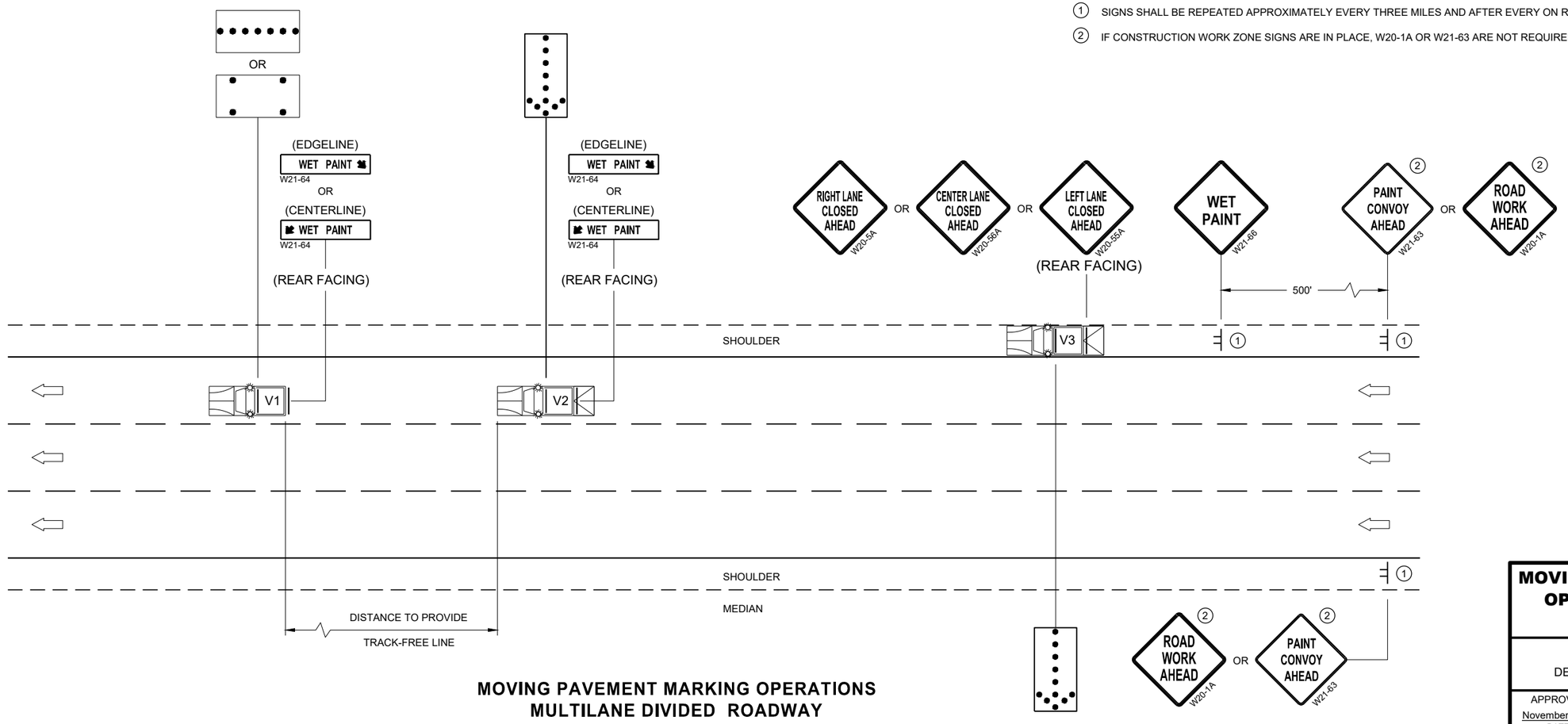
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC

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 HEIGHT OF 18" FOR WET PAVEMENT MARKINGS

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES AND AFTER EVERY ON RAMP.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.



MOVING PAVEMENT MARKING OPERATIONS
MULTILANE DIVIDED ROADWAY

MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C19 - 06c

6

SDD 15C19 - 06c

GENERAL NOTES

SIGNING AND MARKING IS SHOWN AS TYPICAL PLACEMENT. FIELD CONDITIONS MAY DICTATE CHANGES IN SIGNING AND MARKING PLACEMENT.

(1) USED ONLY WHEN APPROVED BY REGION TRAFFIC ENGINEER.

* SIGNS MAY BE OMITTED IF SPACE DOES NOT PERMIT PLACEMENT.

** IF POSTED SPEED IS 45 MPH OR GREATER, PLACE W5-54 SIGN UNDER R4-7 SIGN. MOUNT W5-54 SIGN AT 4' MOUNTING HEIGHT (TOP OF ROADWAY TO BOTTOM OF SIGN).

LEGEND

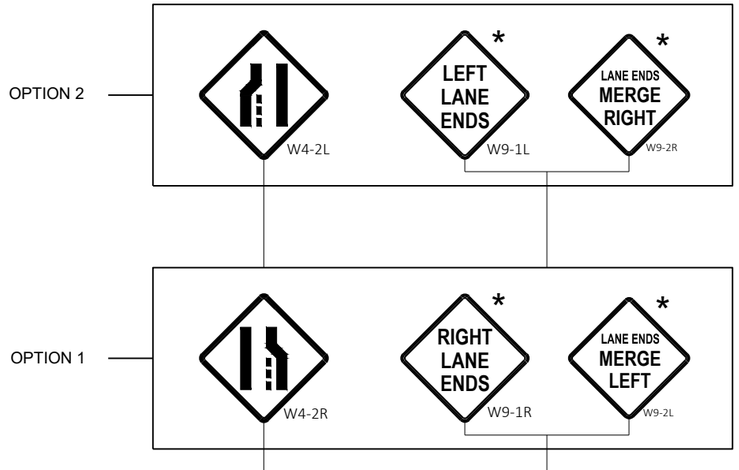
A DISTANCE DEPENDENT ON SPEED (SEE TABLE)

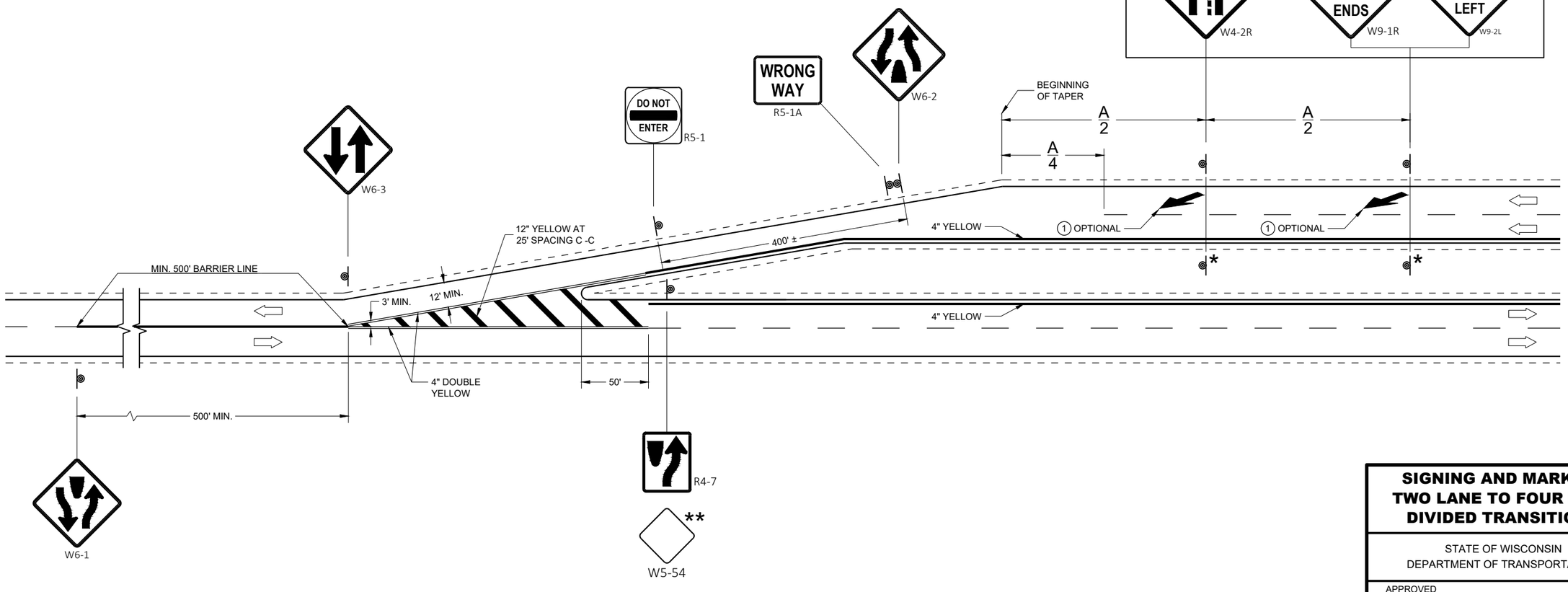
SIGN MOUNTED ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

DISTANCE TABLE

POSTED OR 85TH PERCENTILE SPEED	DISTANCE "A"
25	325'
30	460'
35	565'
40	670'
45	775'
50	885'
55	990'





SIGNING AND MARKING TWO LANE TO FOUR LANE DIVIDED TRANSITIONS

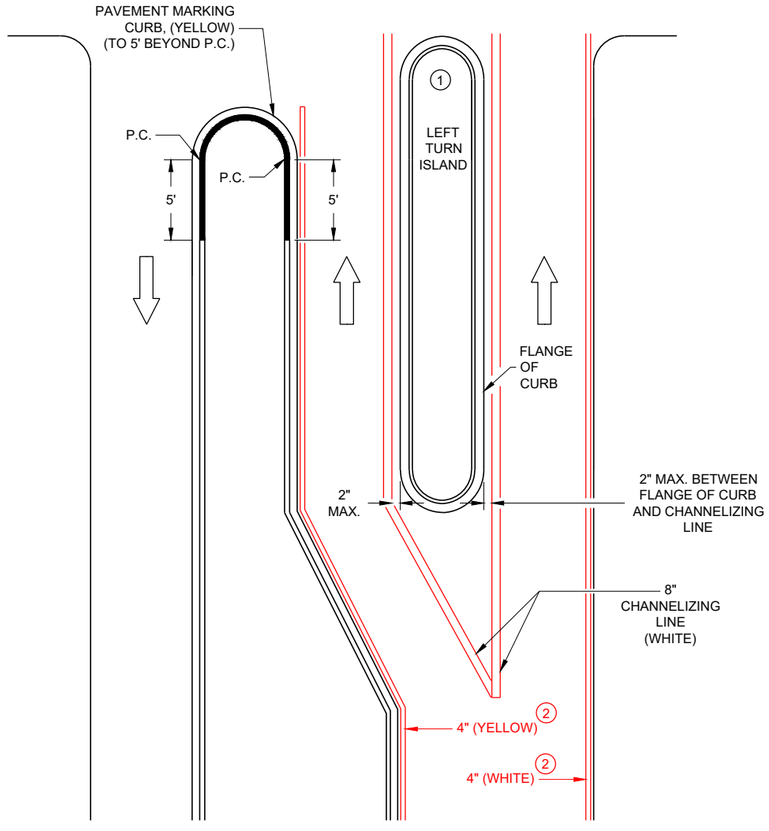
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

6

SDD 15C21 - 09

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

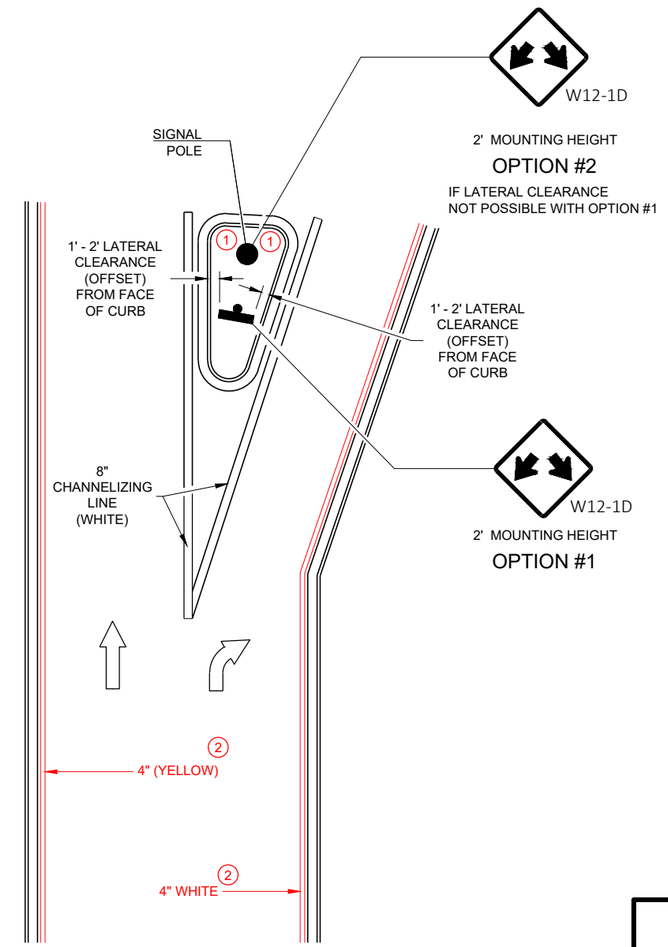
GENERAL NOTES

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

DOUBLE ARROW
WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

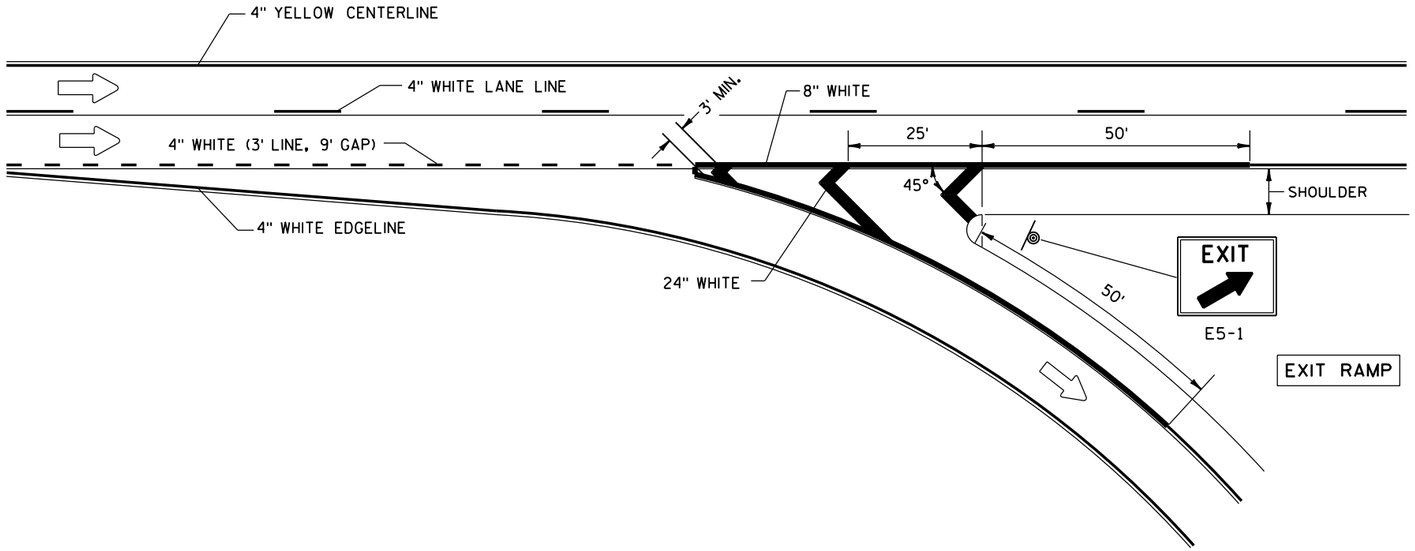
FHWA

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SDD 15C27 - 03a

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SDD 15C27 - 03a



PAVEMENT MARKING FOR EXIT RAMP

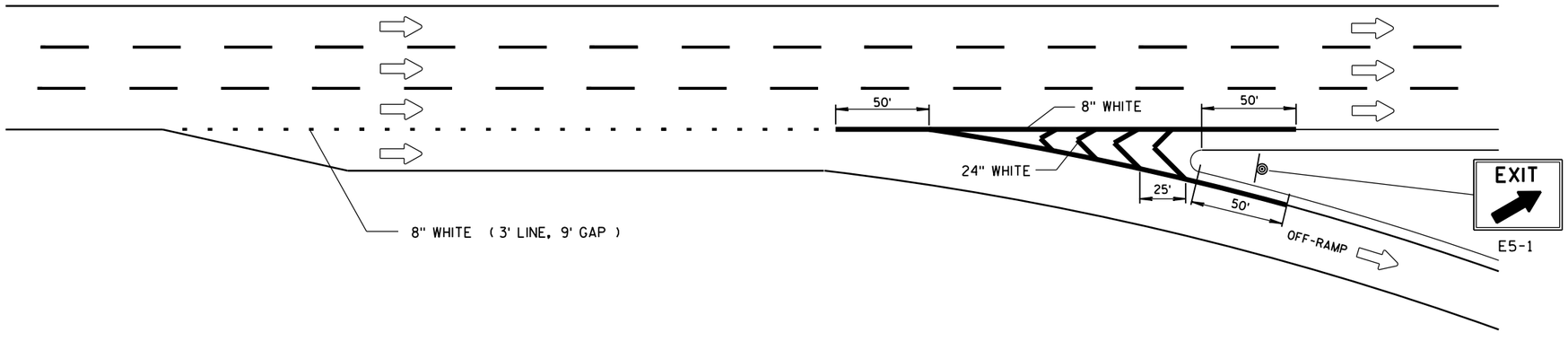
GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

DIRECTION OF TRAVEL

SIGN ON PERMANENT SUPPORT



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT-RAMP

6

6

S.D.D. 15 C 31-3a

S.D.D. 15 C 31-3a

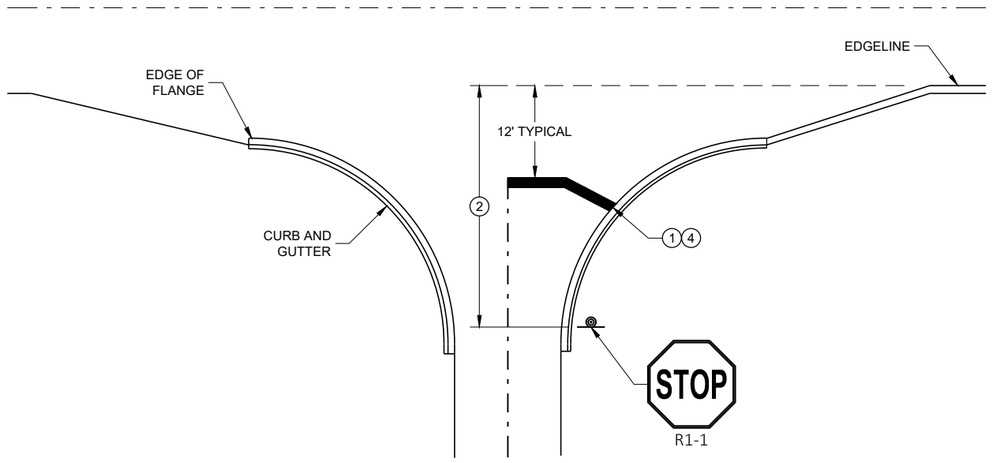
PAVEMENT MARKING (RAMPS AND GORES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

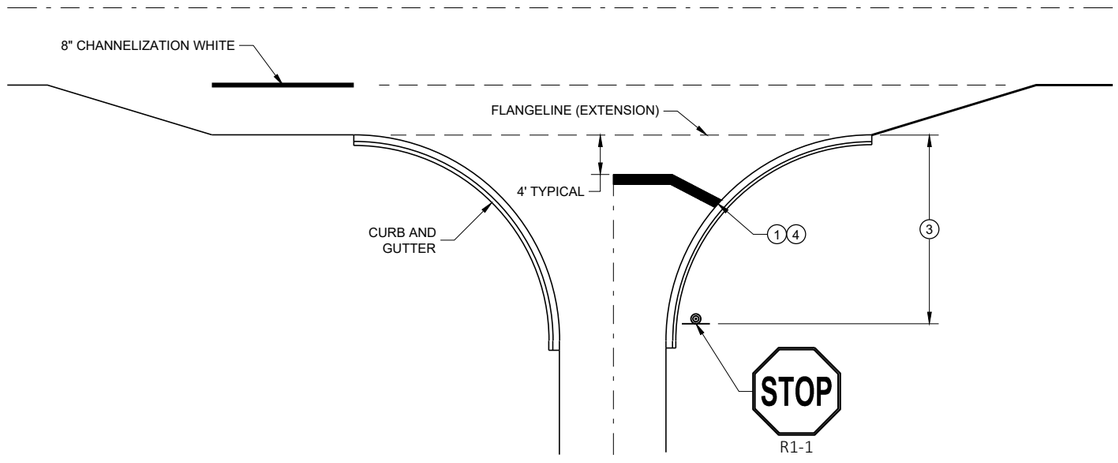
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

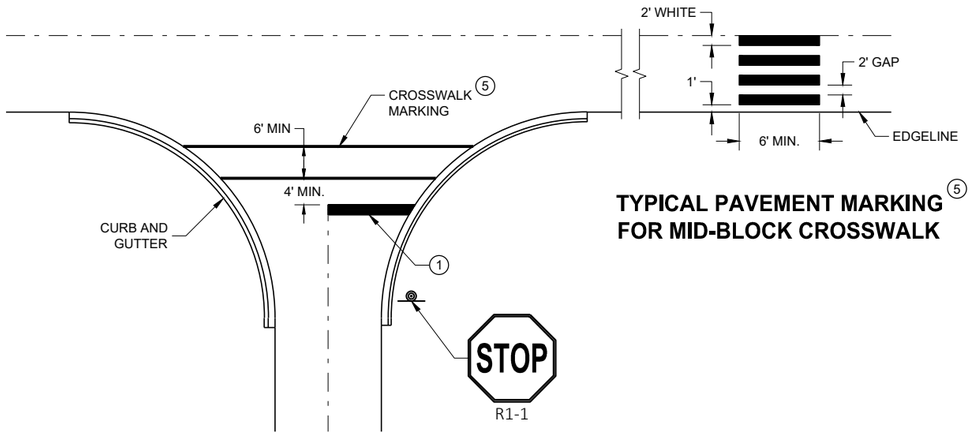
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE 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

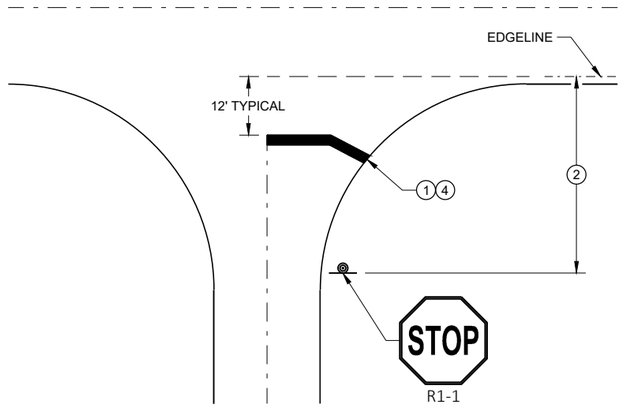


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



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 MARKING ENGINEER

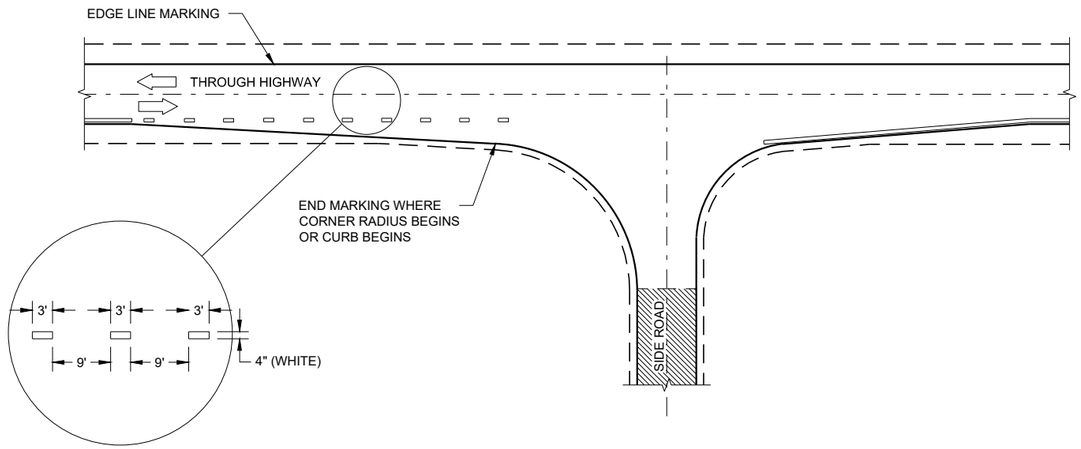
FHWA

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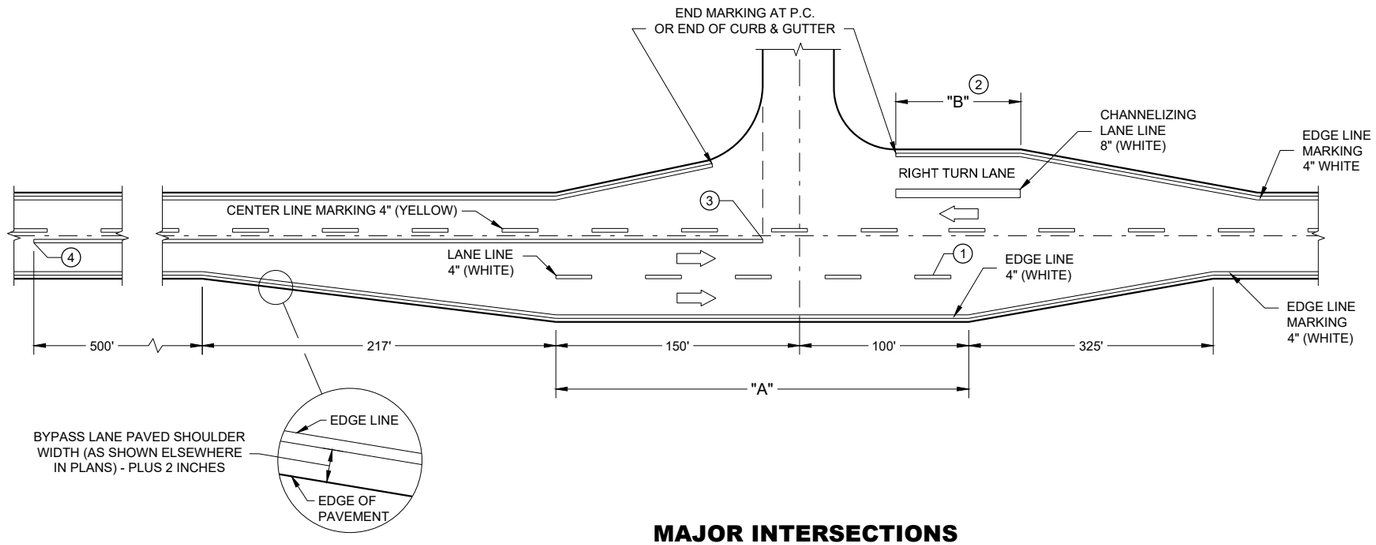
SDD 15C33 - 04

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SDD 15C33 - 04



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

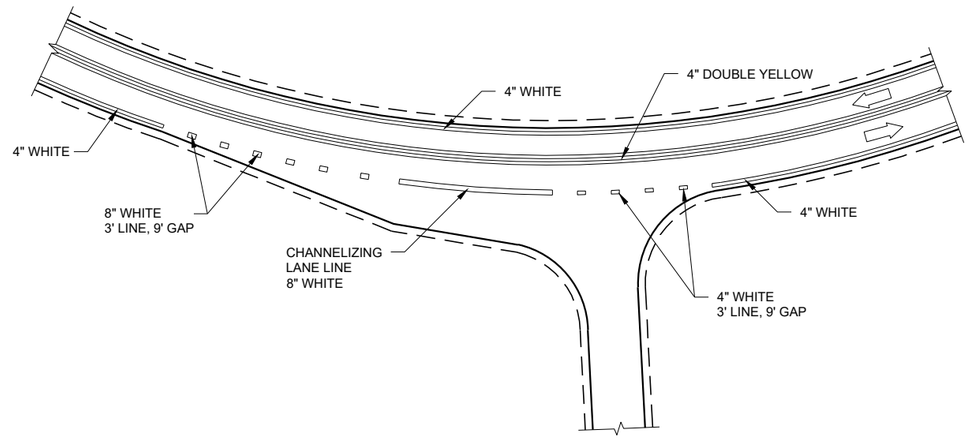
GENERAL NOTES

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



INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING (INTERSECTIONS)

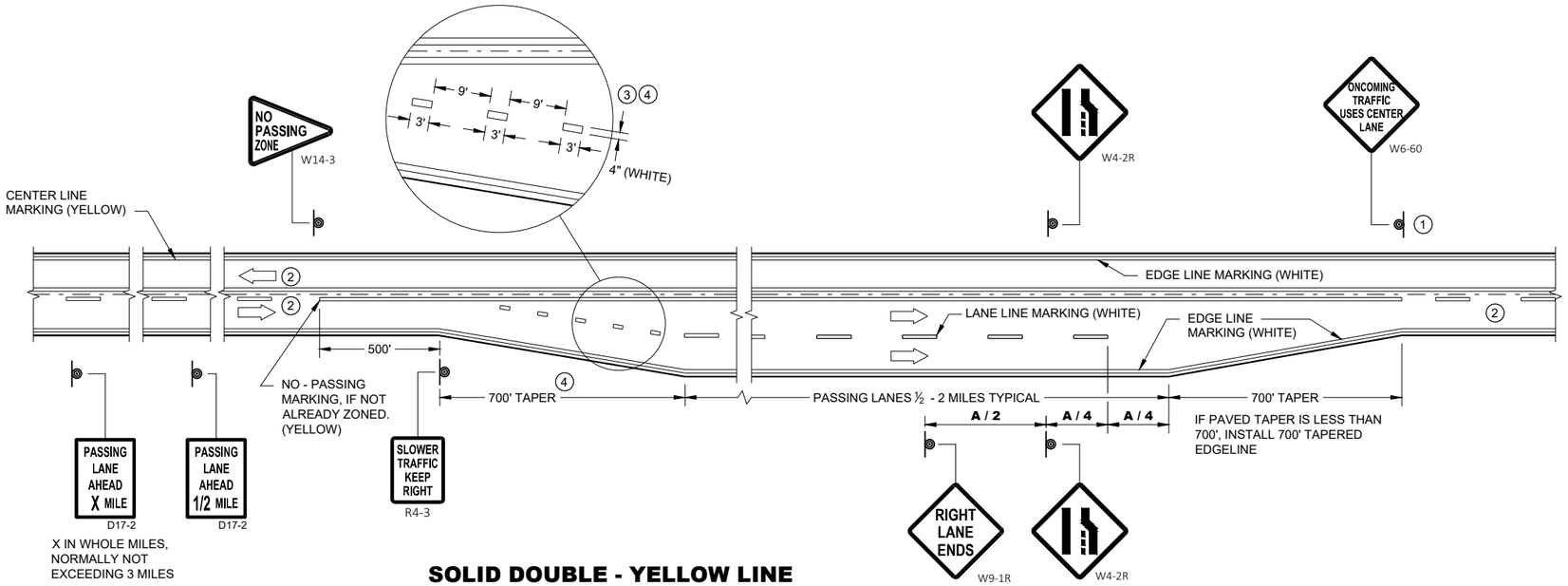
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

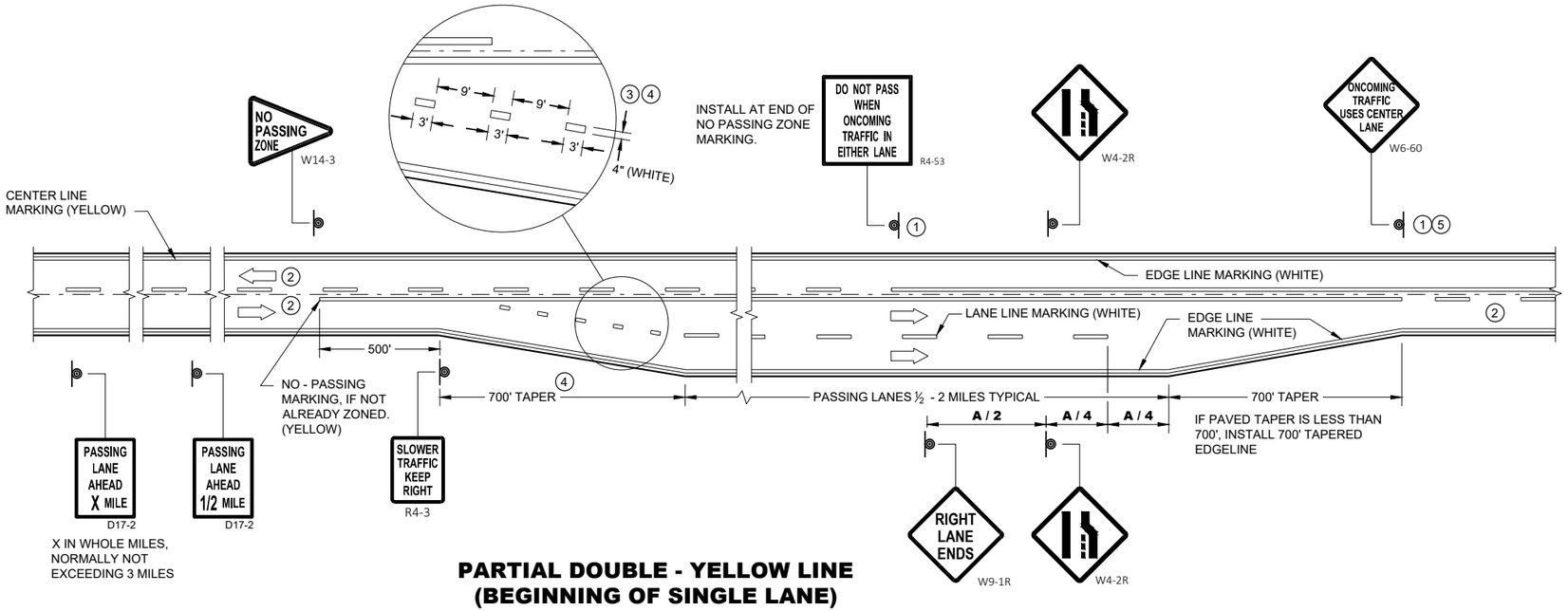
SDD 15C35 - 04a

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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

6

SDD 15C35 - 04b
SDD 15C35 - 04b

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

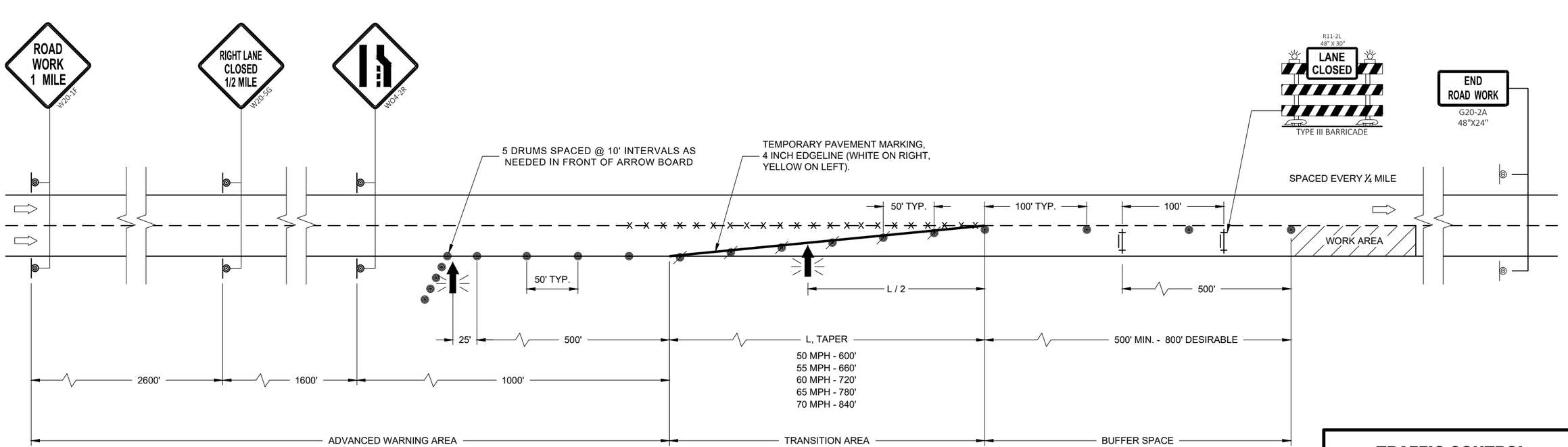
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

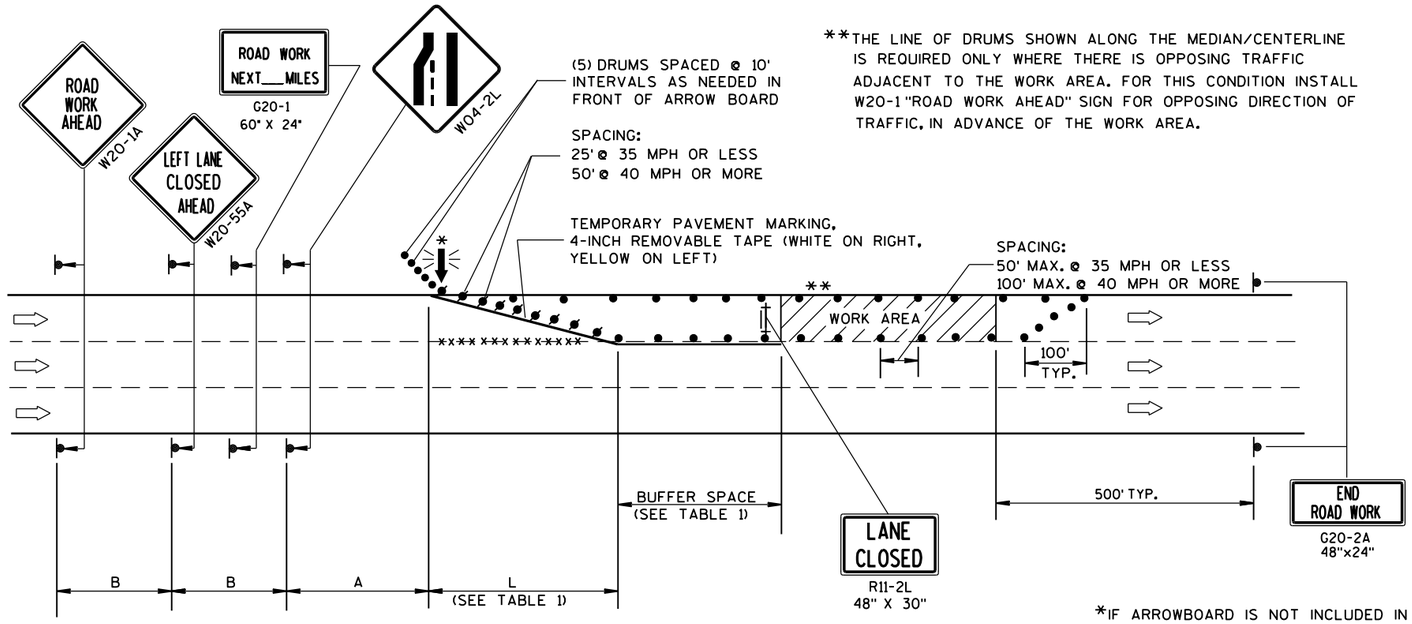
FHWA

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SDD 15D12 - 07a

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SDD 15D12 - 07a



**THE LINE OF DRUMS SHOWN ALONG THE MEDIAN/CENTERLINE IS REQUIRED ONLY WHERE THERE IS OPPOSING TRAFFIC ADJACENT TO THE WORK AREA. FOR THIS CONDITION INSTALL W20-1 "ROAD WORK AHEAD" SIGN FOR OPPOSING DIRECTION OF TRAFFIC, IN ADVANCE OF THE WORK AREA.

B=400' AT 25-30 MPH
700' AT 35-40 MPH
1000' AT 45-55 MPH

A=200' AT 25-30 MPH
350' AT 35-40 MPH
500' AT 45-55 MPH

(PLACE BARRICADE AND SIGN APPROX. EVERY 1000' ACROSS THE CLOSED LANE)

*IF ARROWBOARD IS NOT INCLUDED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE A TYPE III BARRICADE WITH W01-6 SIGN IN THE LANE CLOSURE TAPER.

W01-6
48"x24"

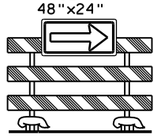


TABLE 1
TAPER AND BUFFER SPACE FOR 12' LANE WIDTH

S	L	BUFFER SPACE
25	125'	55'
30	180'	85'
35	245'	120'
40	320'	170'
45	540'	220'
50	600'	280'
55	660'	335'

FOR LANE WIDTH OTHER THAN 12':

L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

L = TAPER LENGTH IN FEET

S = NON-CONSTRUCTION SPEED LIMIT (MPH)

W = WIDTH OF LANE CLOSURE

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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 DISTRICT TRAFFIC UNIT.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

ON UNDIVIDED ROADWAYS, OMIT THE SIGNS SHOWN ON LEFT SIDE OF ROAD.

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.

PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE TAPER, PREFERABLY ON THE SHOULDER OR TERRACE.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

BARRICADES IN A CLOSED LANE 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.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016 — DATE
FHWA

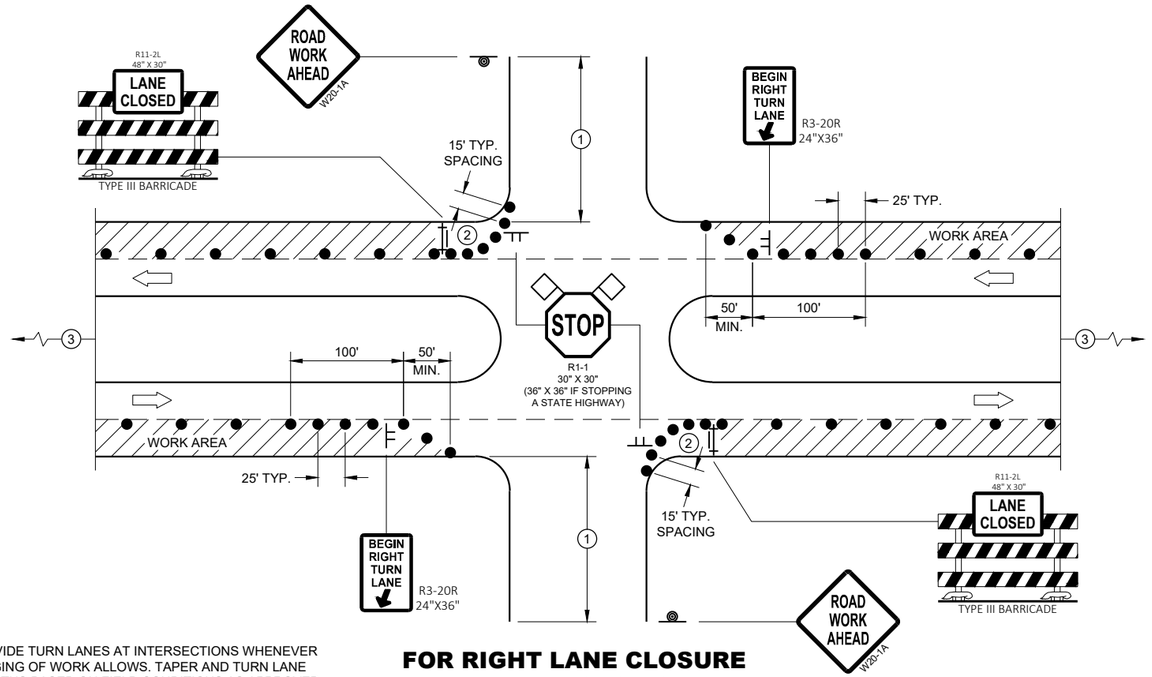
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER — IC

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S.D.D. 15 D 20-4

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S.D.D. 15 D 20-4



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR RIGHT LANE CLOSURE AT INTERSECTION

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

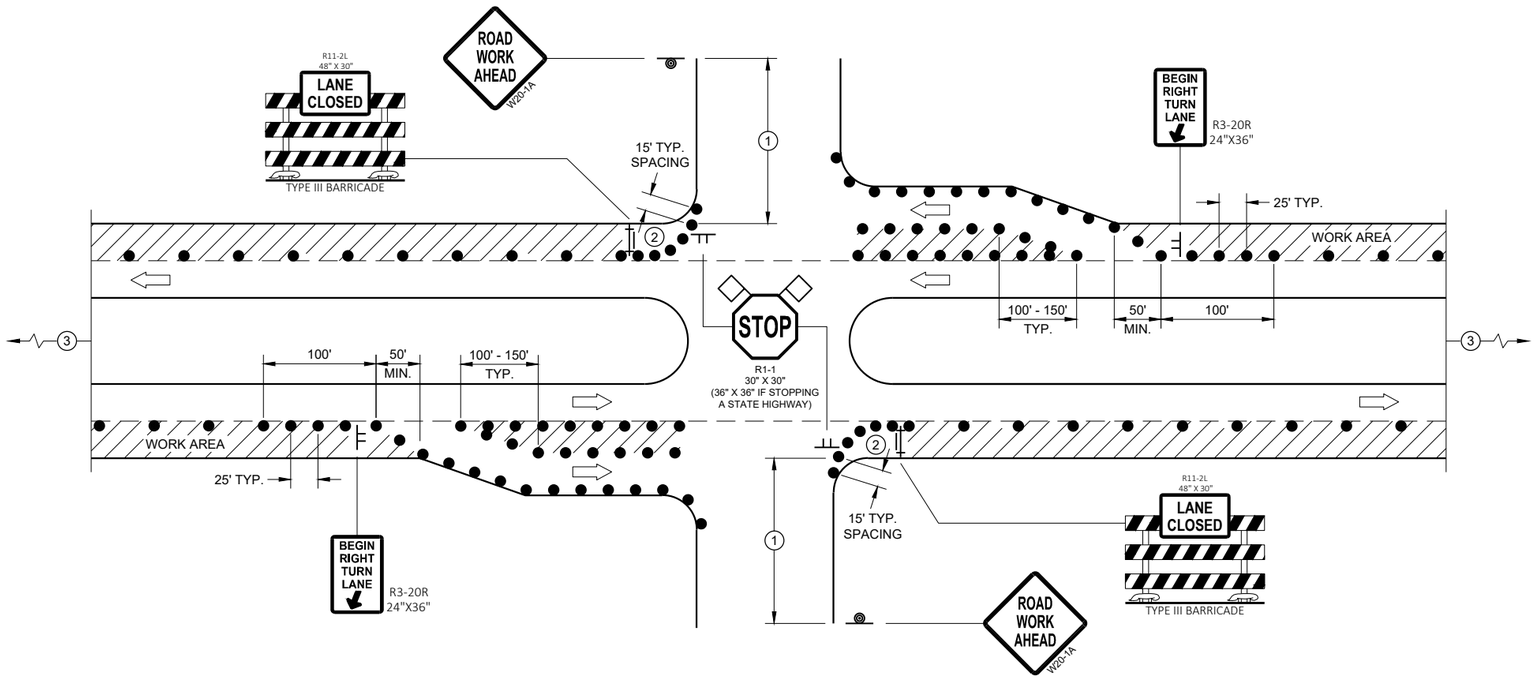
(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 15D21 - 06a

SDD 15D21 - 06a

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LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

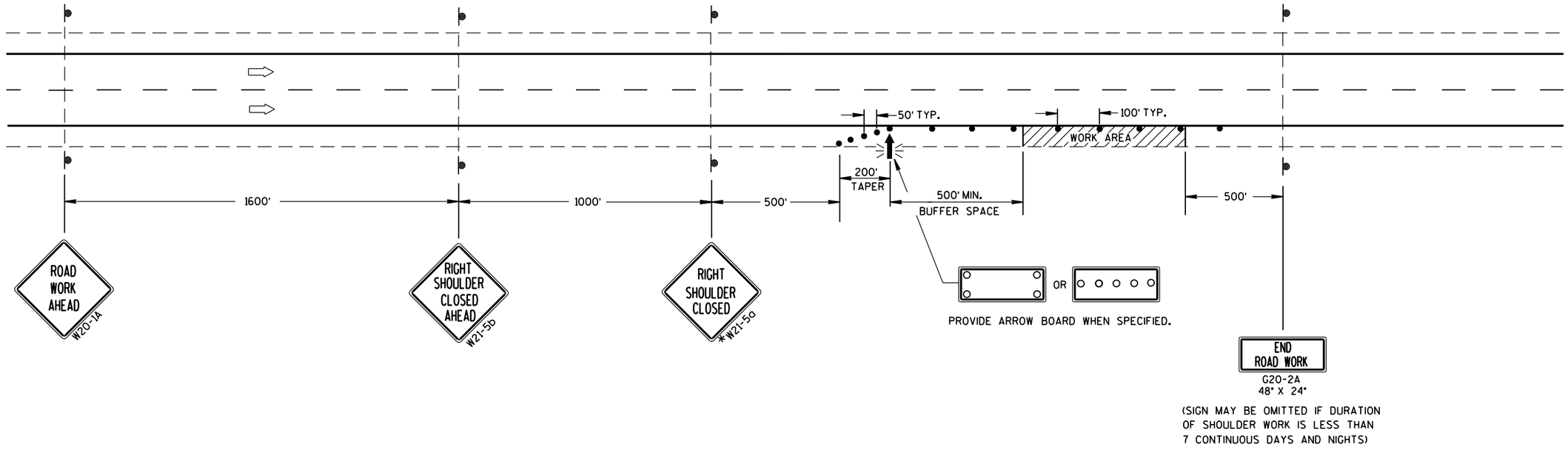
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2016 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible]

FHWA

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S.D.D. 15 D 27-3

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- DIRECTION OF TRAFFIC
- WORK ZONE

TABLE A

S \ W	4	6	8	10	BUFFER SPACE (FEET)
30	20	30	40	50	200
35	30	45	55	70	250
40	40	55	75	90	305
45	60	90	120	150	360
50	70	100	135	170	425
55	75	110	150	185	495

SHOULDER TAPER LENGTH (FEET)

W = SHOULDER WIDTH (FEET
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

TAPER LENGTH

L= WS AT 45 MPH OR GREATER
L = WS² / 60 AT 40 MPH OR LESS

SHOULDER TAPER LENGTH = 1/3L

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" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

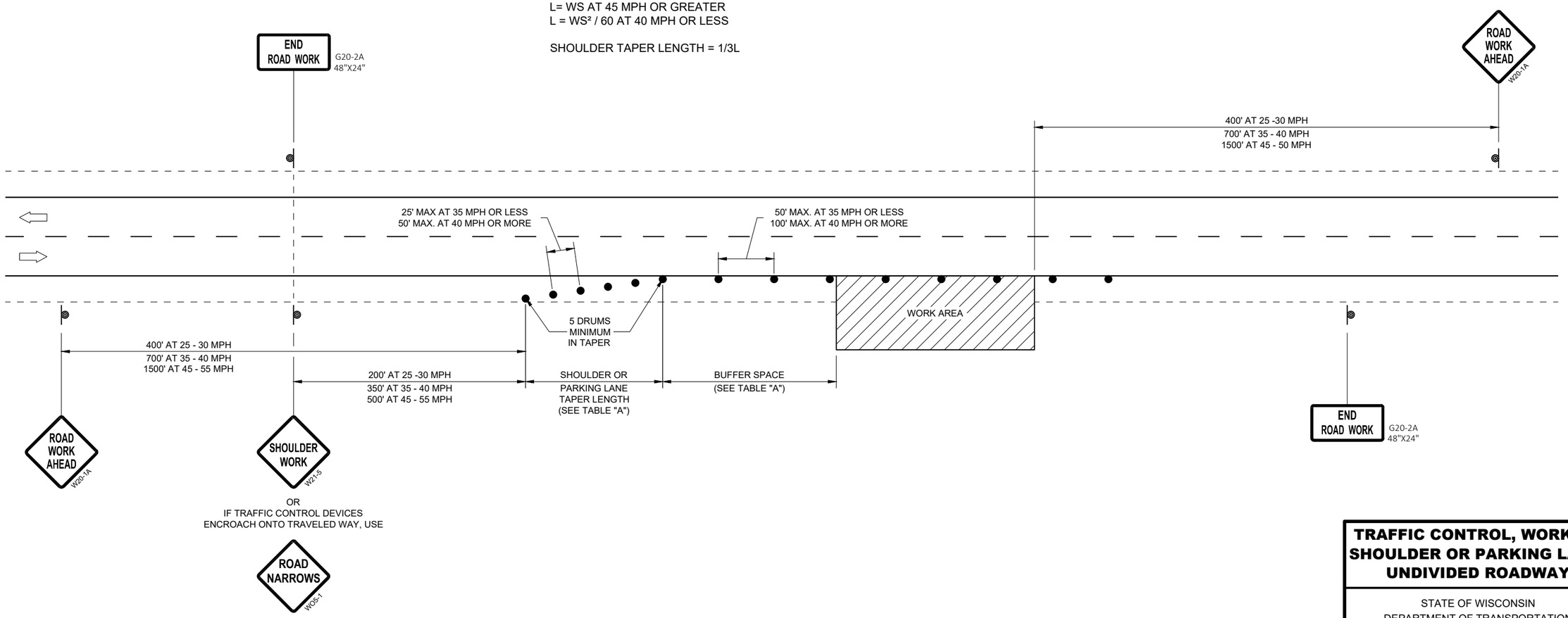
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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 WITHN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY RESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

6
SDD 15D28 - 03

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

WARNING SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

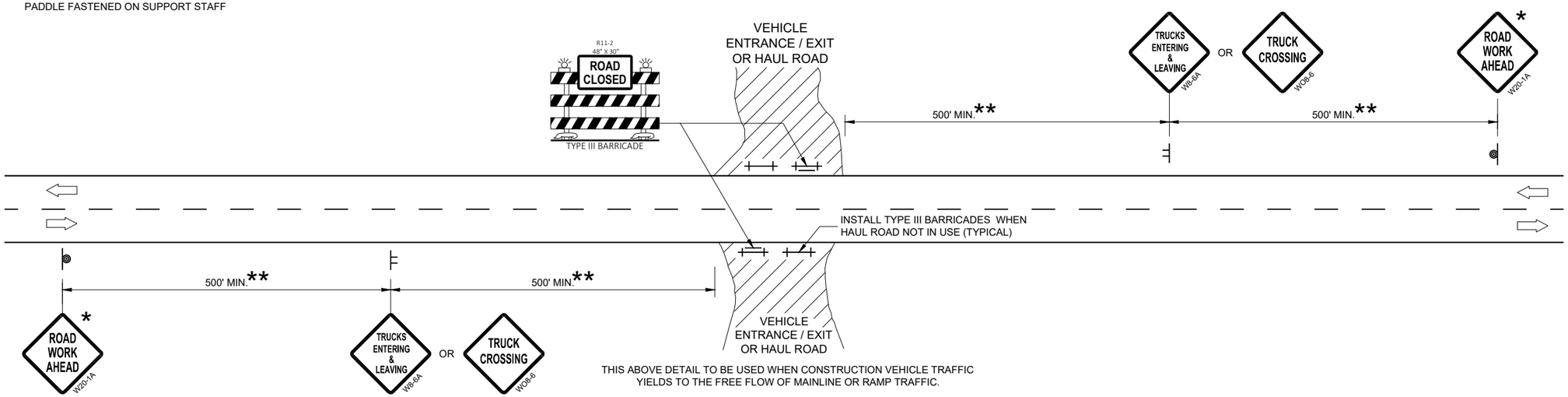
WHEN ACTIVITY REFLECTED BY THE SIGN IS NOT CURRENTLY TAKING PLACE, THE HIGHWAY SHALL BE RESTORED TO NORMAL CONDITION AND THE SIGNS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC.

WHEN A SIDE ROAD OR RAMP INTERSECTS WITHIN THE ADVANCE SIGNING AREA, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND / OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

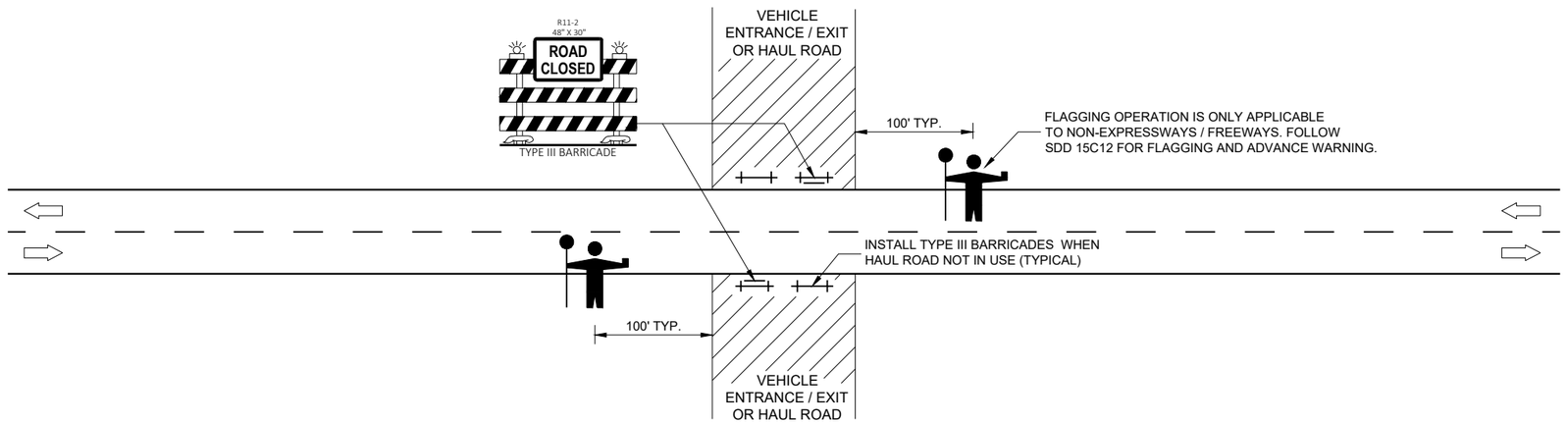
PLACE SIGNS ON BOTH SIDES IF USED ON DIVIDED HIGHWAY.

* THESE SIGNS ARE TO BE USED ONLY WHEN VEHICLE ENTRANCE / EXIT CONDITIONS ARE SEPARATED BY MORE THAN TWO MILES FROM PREVIOUS WORK AREA OR SIGNING OR AS DIRECTED BY THE ENGINEER.

** 500 FEET SHOWN IS FOR ROADWAYS WITH A NON-CONSTRUCTION REGULATORY SPEED LIMIT OF 45 MPH OR MORE. FOR 35 -40 MPH, USE 350 FEET. FOR 25-30 MPH, USE 200 FEET. USE 1000-1500 FEET FOR EXPRESSWAY / FREEWAY.



THIS ABOVE DETAIL TO BE USED WHEN CONSTRUCTION VEHICLE TRAFFIC YIELDS TO THE FREE FLOW OF MAINLINE OR RAMP TRAFFIC.



THIS DETAIL TO BE USED WHEN CONSTRUCTION WORK INCLUDING TRUCKING ACTIVITY REQUIRES MAINLINE TRAFFIC TO BE TEMPORARILY STOPPED IN ONE OR BOTH DIRECTIONS. DELAY TO HIGHWAY TRAFFIC SHALL BE MINIMIZED.

TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE

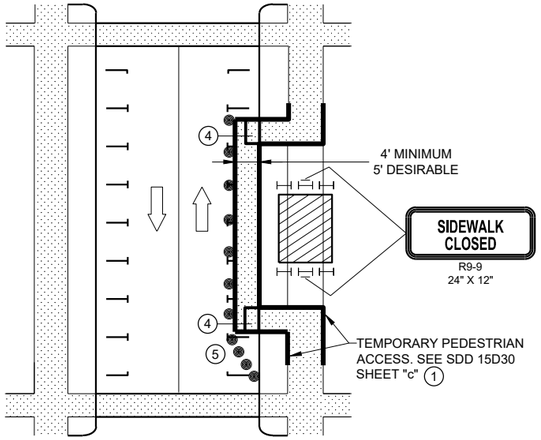
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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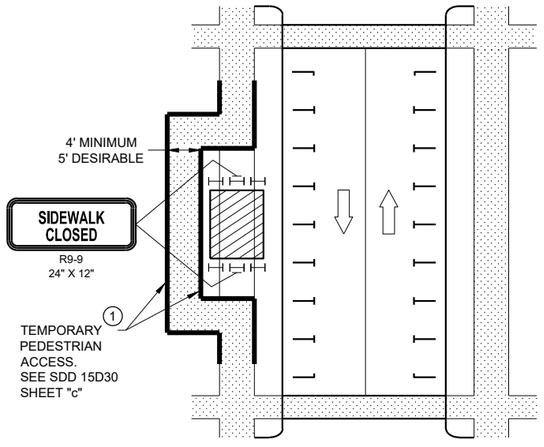
SDD 15D29 - 05

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

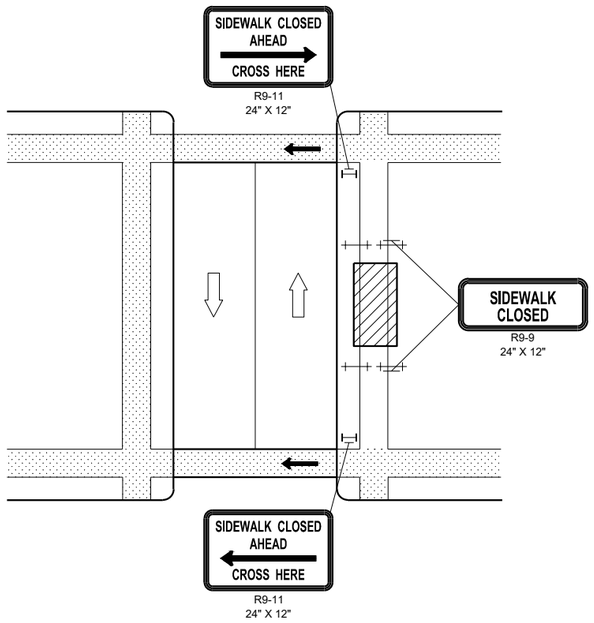


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

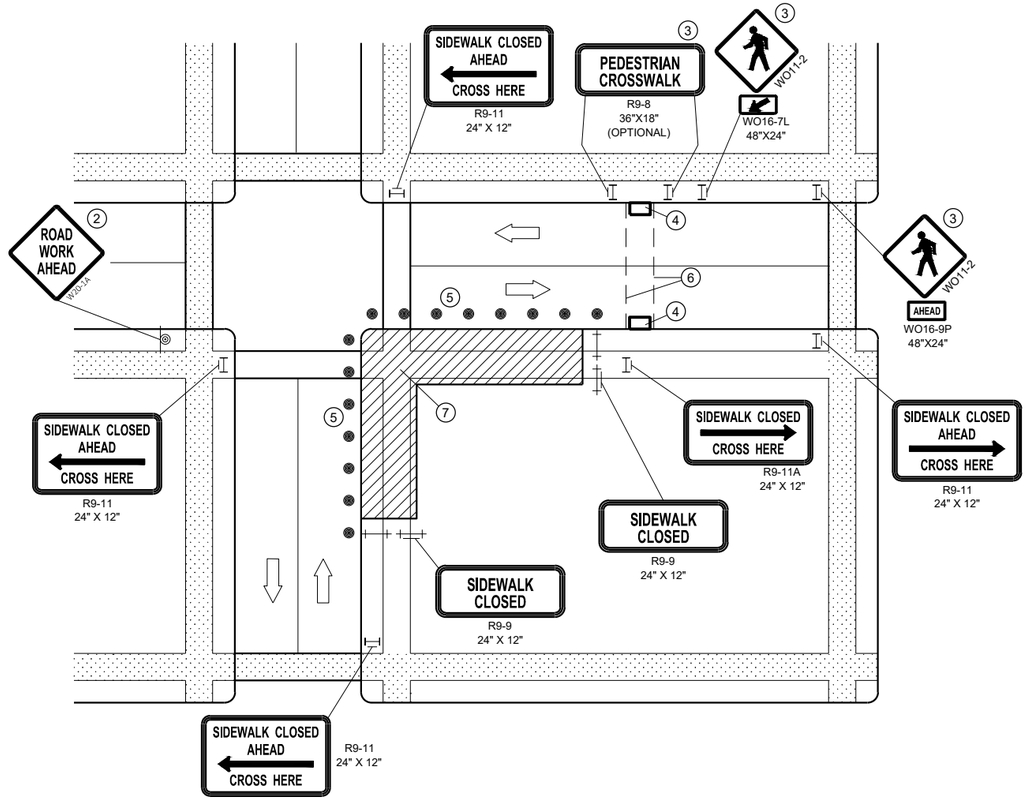
NOTE: LAYOUT SAME AS ABOVE.



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

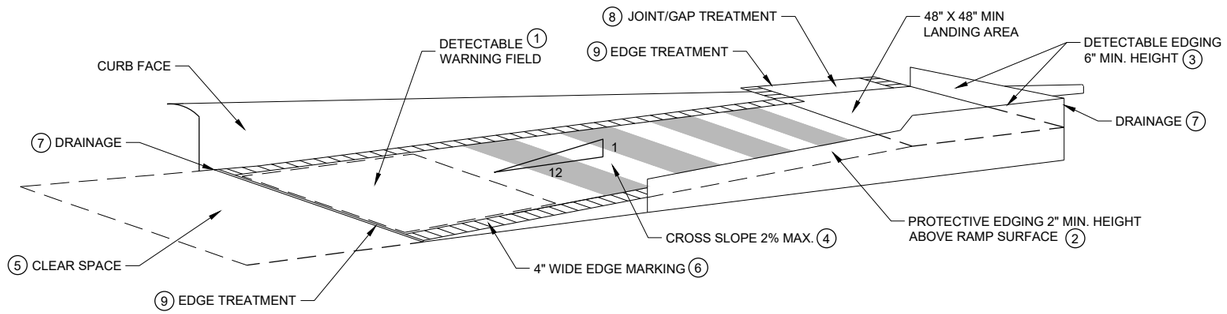
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

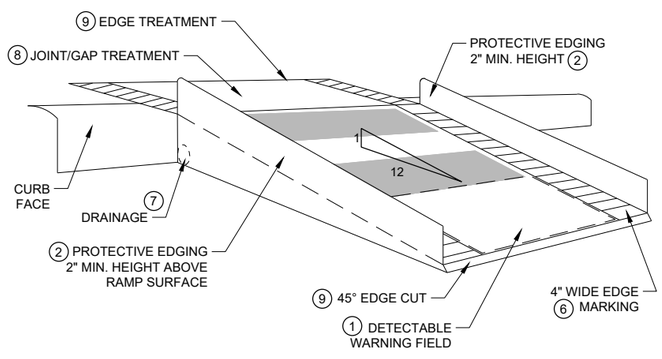
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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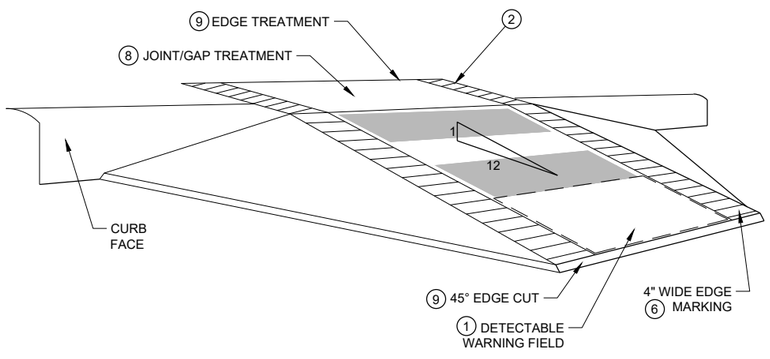
SDD15D30 - 06a



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

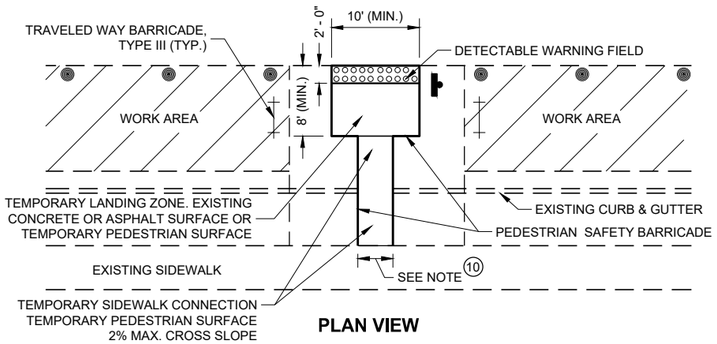
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

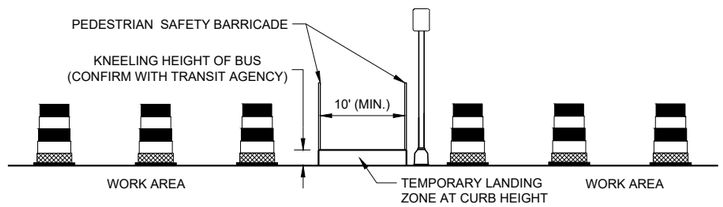
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

1. CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 08D05, SHEET "e".
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
5. CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
6. THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
7. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES SHALL BE VERTICAL UP TO ¼" HIGH AND BEVELED AT 1:2 BETWEEN ¼" AND ½".
10. 5" WIDE MIN. WITH PEDESTRIAN SAFETY BARRICADE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY BARRICADE.



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

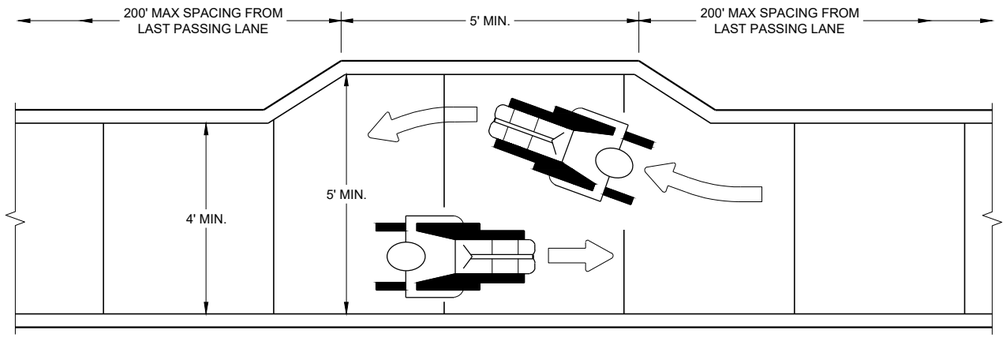
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

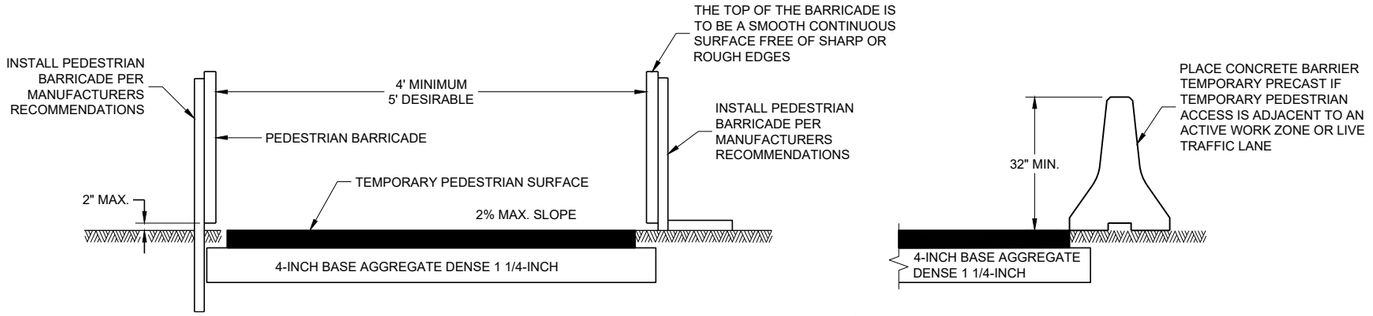
SDD 15D30 - 06b

6

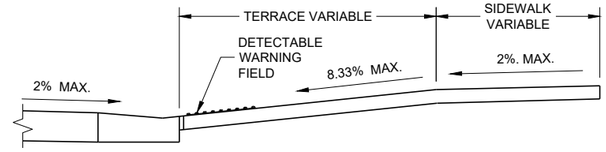
SDD 15D30 - 06b



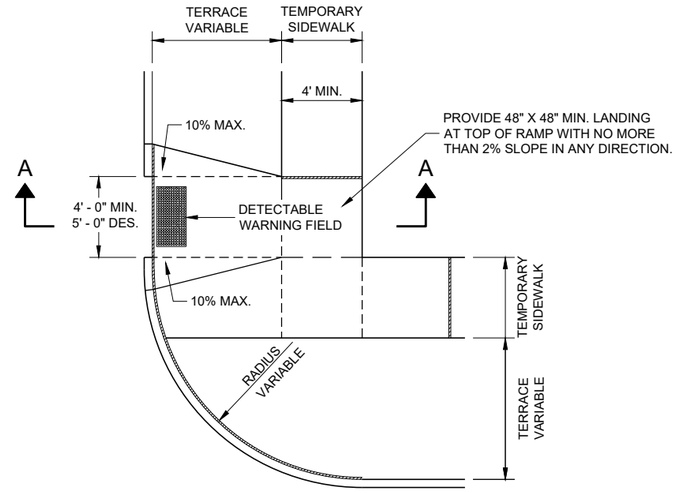
NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN ACCESS



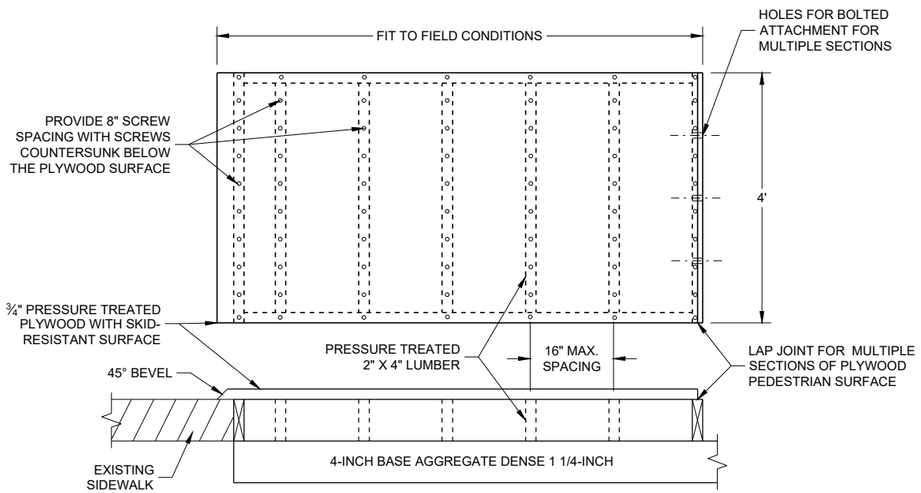
SECTION A - A



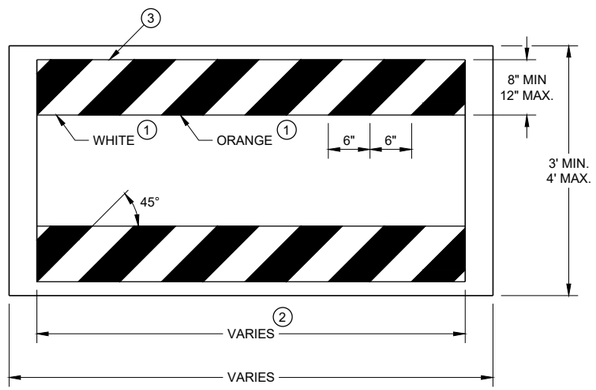
PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



TEMPORARY PEDESTRIAN BARRICADE *

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

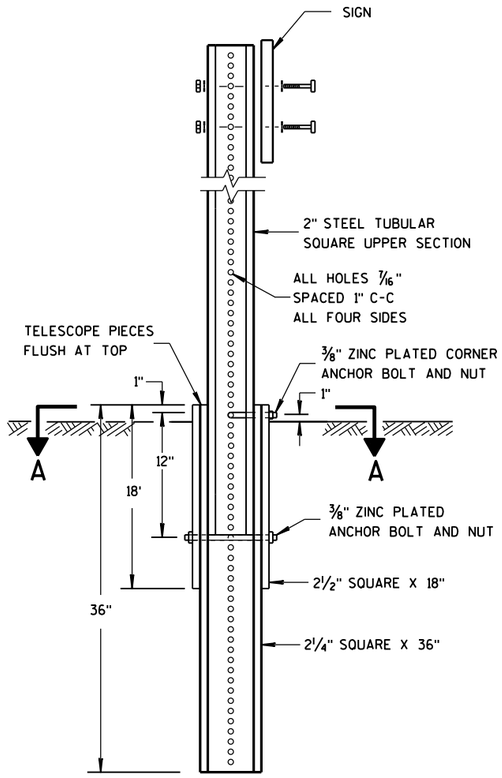
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

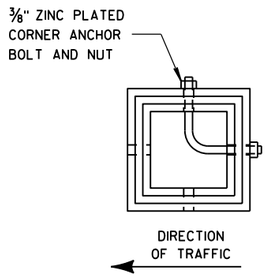
SDD 15D30 - 06c

6

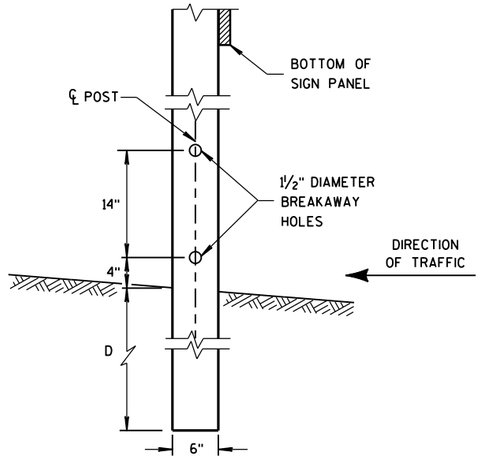
SDD 15D30 - 06c



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



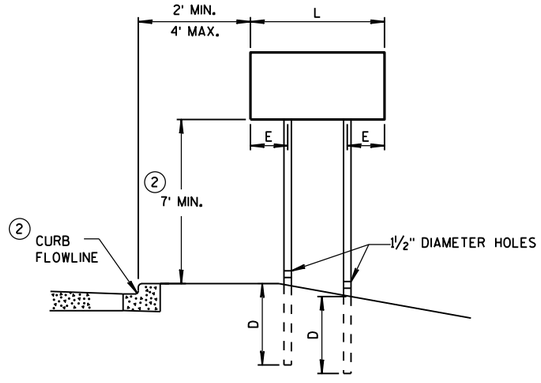
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

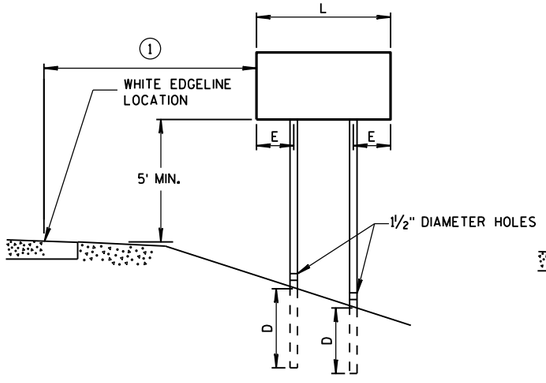
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

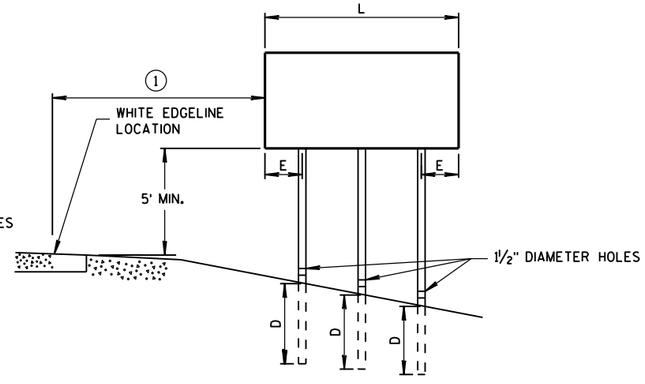
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

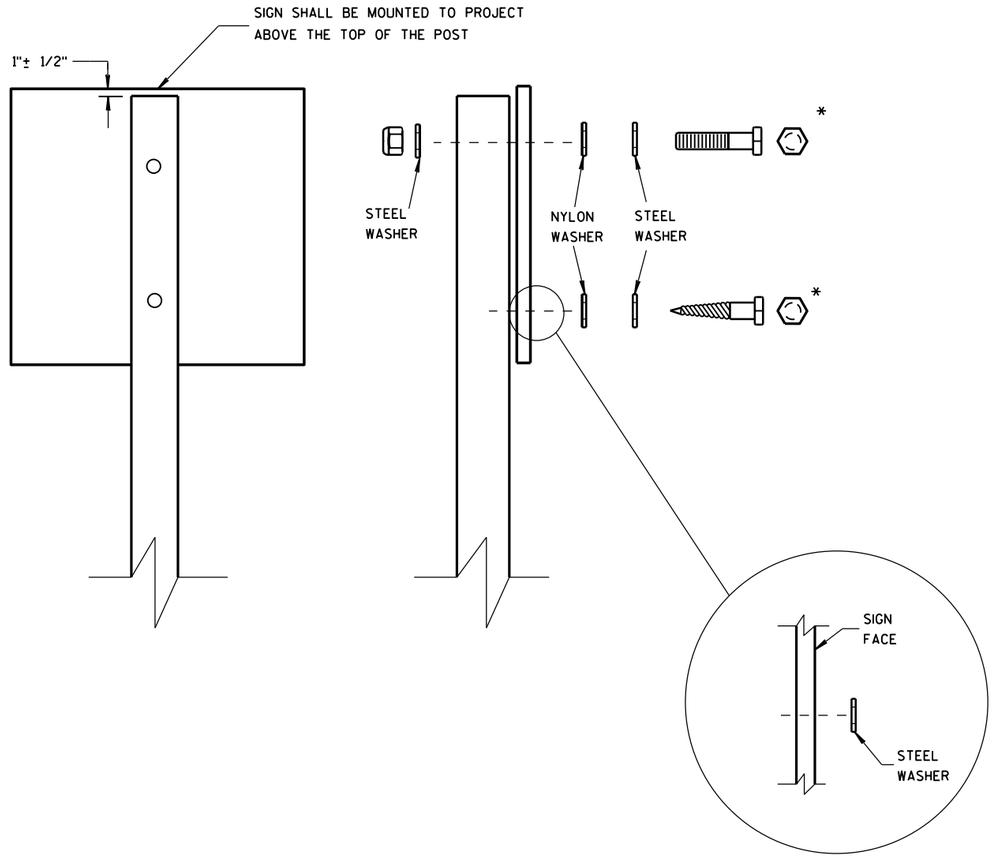
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 15 D 38-2a



WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3

B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 5/16" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

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 FOR ALL TYPE H SIGNS

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

6

S.D.D. 15 D 38-2b

S.D.D. 15 D 38-2b

ATTACHMENT OF SIGNS TO POSTS

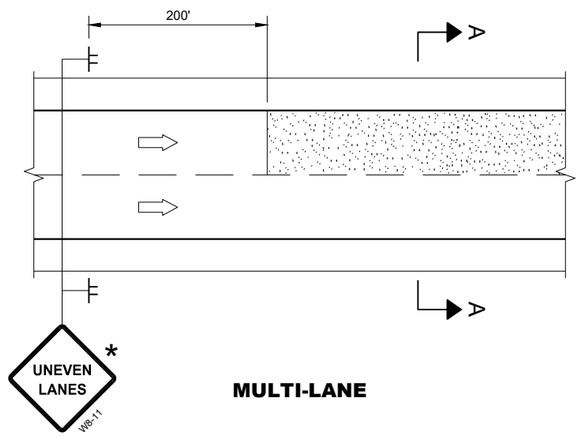
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

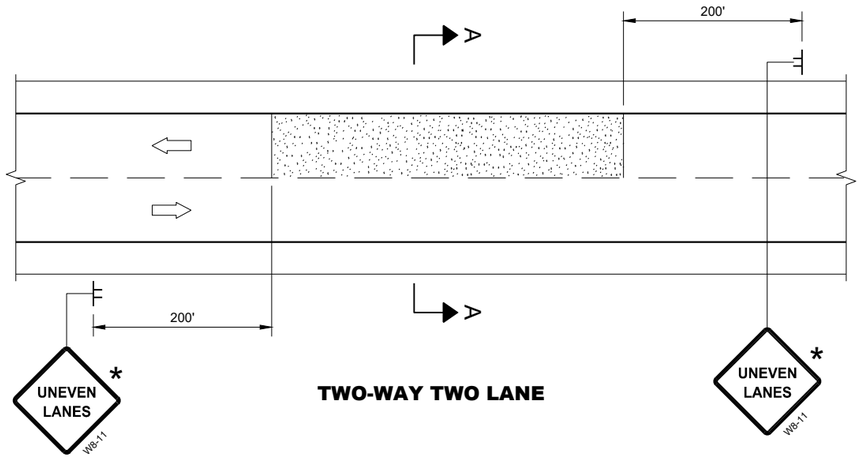
June 2017
DATE

/S/ Andrew Heldtke
WORK ZONE ENG

FHWA



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.

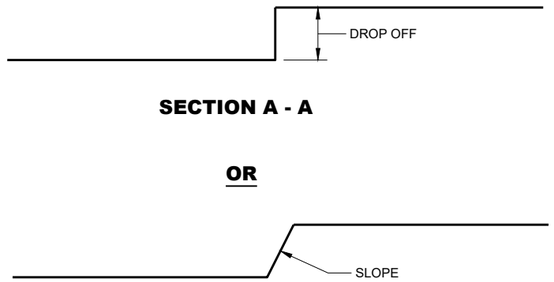
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

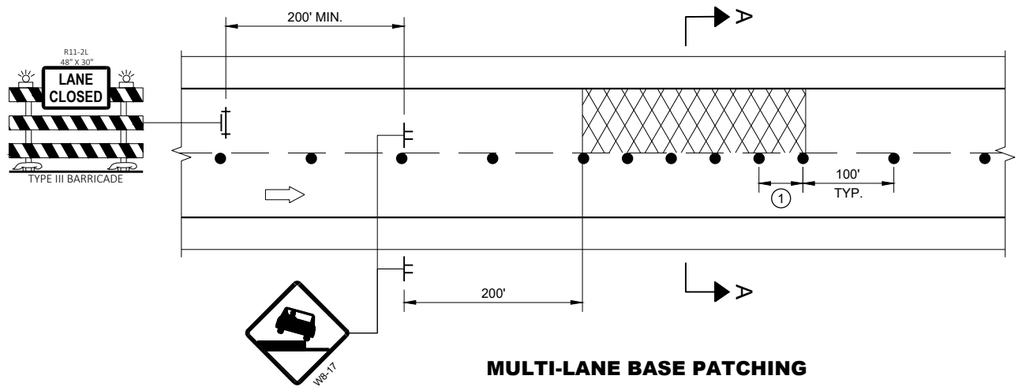
* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

LEGEND

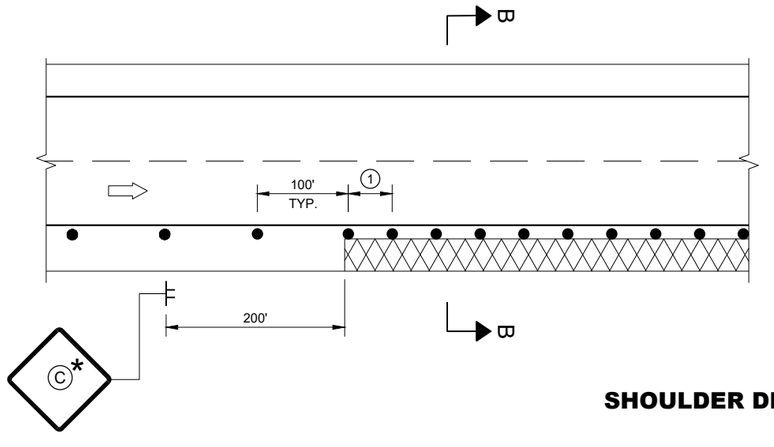
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE



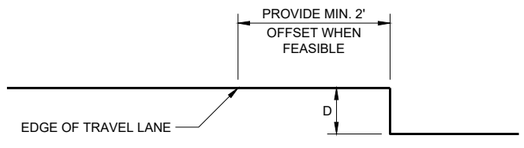


MULTI-LANE BASE PATCHING

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

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.

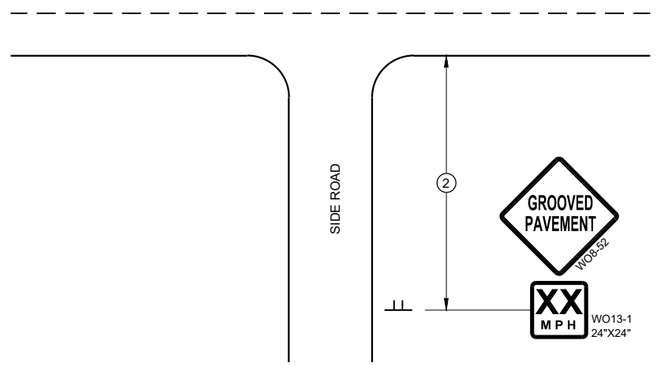
(1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

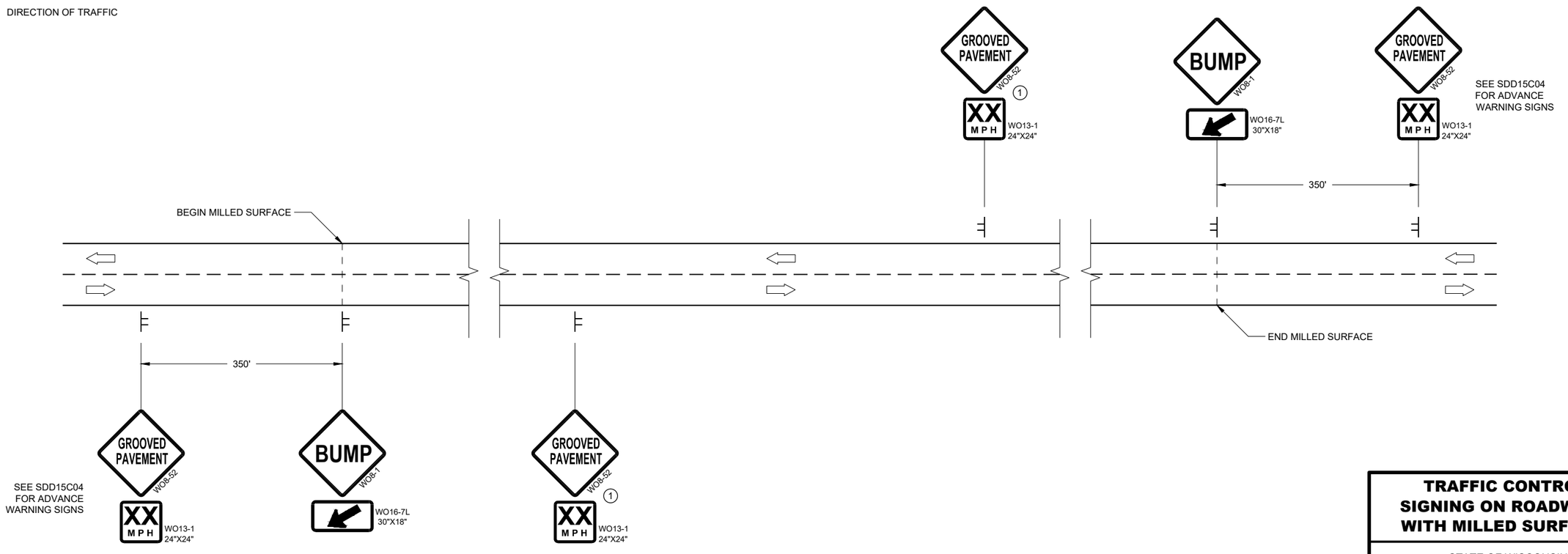
LEGEND

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
August 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D44 - 01

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.

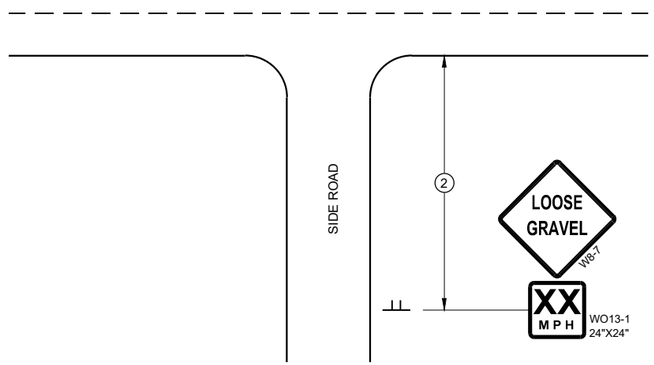
(1) PLACE SIGNS 350' IN ADVANCE OF CHIP SEALED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

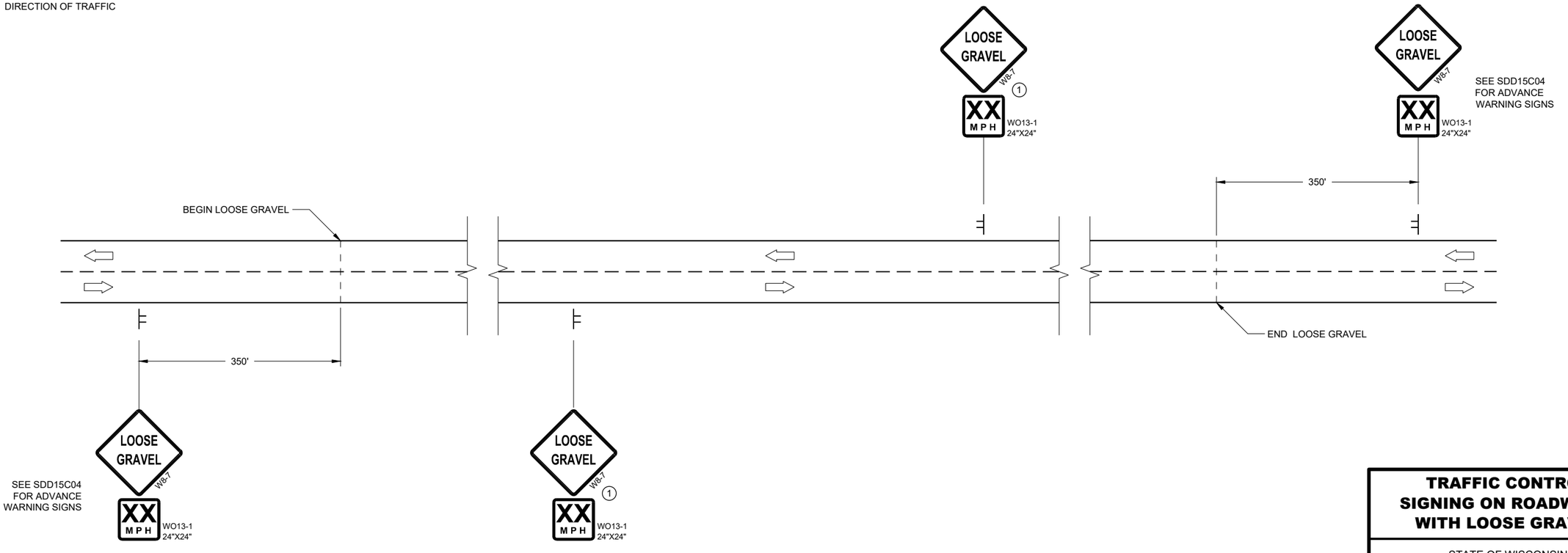
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON CHIP SEALED SURFACES

TRAFFIC CONTROL SIGNING ON ROADWAYS WITH LOOSE GRAVEL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

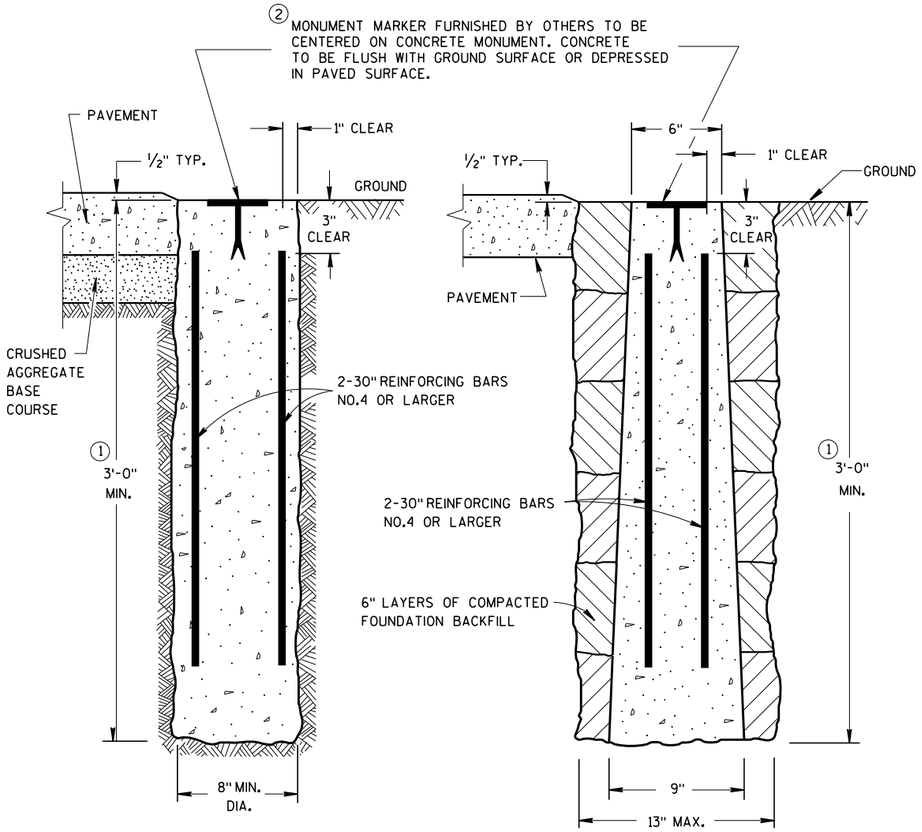
FHWA

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SDD 15D45 - 01

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SDD 15D45 - 01

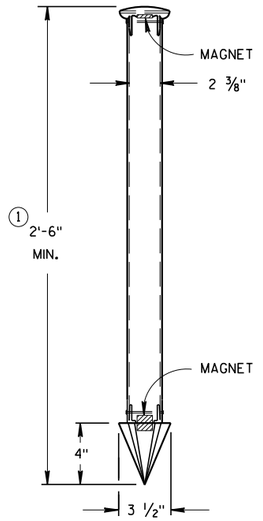


CAST-IN-PLACE

PRECAST

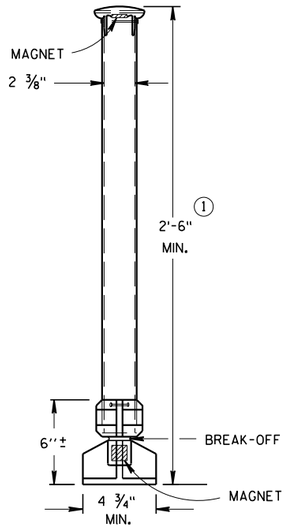
CONCRETE MONUMENTS

TYPE A



TYPE C

DRIVE-IN MONUMENT



TYPE D
NON-DRIVEN
BREAK-OFF MONUMENT

ALUMINUM MONUMENTS

(INCLUDES MARKER)

GENERAL NOTES

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

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

PERMANENT MAGNETS SHALL BE INSERTED NEAR THE TOP AND BOTTOM OF ALL ALUMINUM MONUMENTS SO THE MONUMENT CAN EASILY BE DETECTED BY A METAL DETECTOR.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

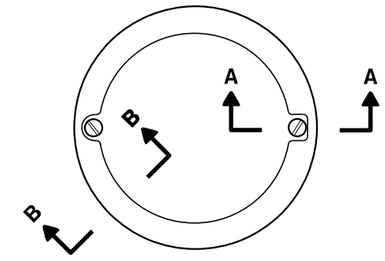
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

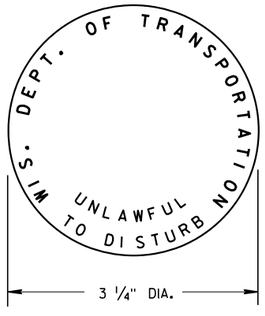
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WIS DOT MARKER.

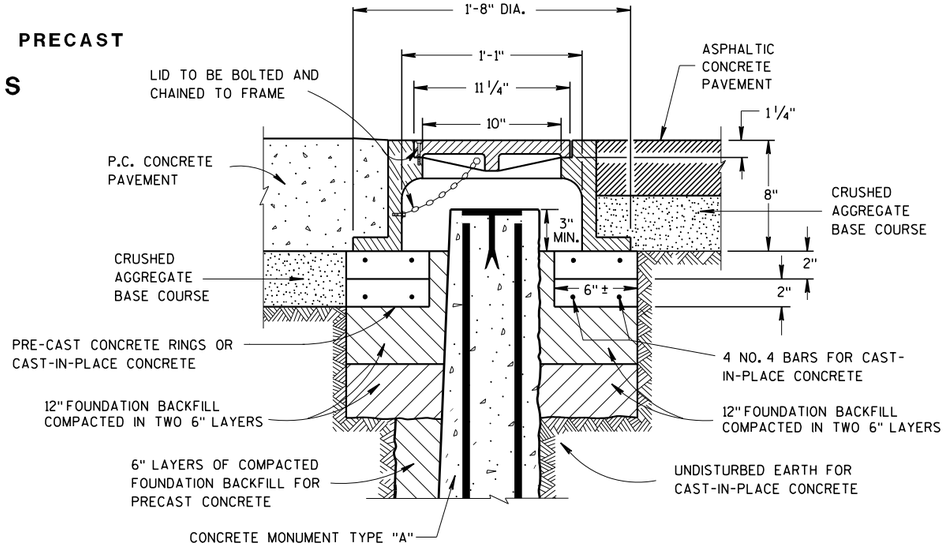


TOP VIEW



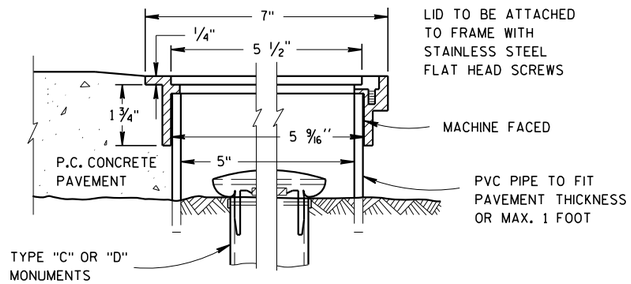
② WIS DOT MONUMENT MARKER LOGO

FOR TYPES "A", "C", & "D"



CAST IRON MONUMENT COVER

(APPROXIMATE WEIGHT 95 LBS)



SECTION B-B SECTION A-A

ALUMINUM MONUMENT COVER

(APPROXIMATE WEIGHT 2 LBS)
(FOR CONCRETE PAVEMENT ONLY)

LANDMARK REFERENCE MONUMENTS AND COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Raymond A. [illegible] — CHIEF SURVEYING AND M[illegible]GINEER
FHWA

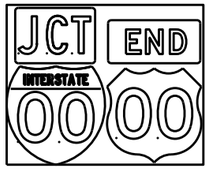
6

S.D.D. 16 A 1-7

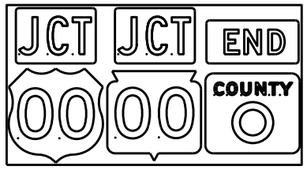
TYPICAL ASSEMBLIES



J1-1



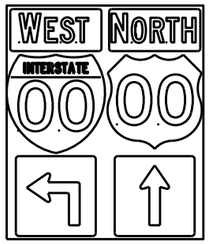
J1-2



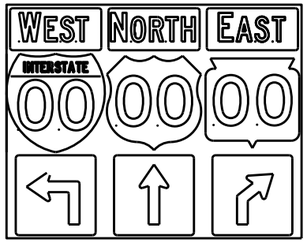
J1-3



J2-1



J2-2

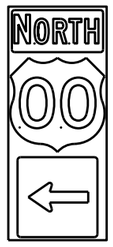


J2-3

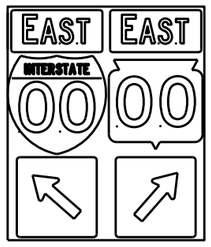


JV

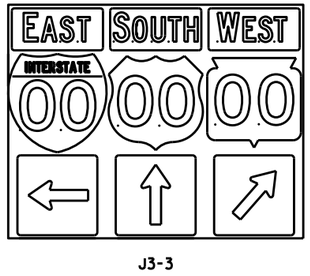
(Typical Vertical J-Assembly
See Note 10 and 11)



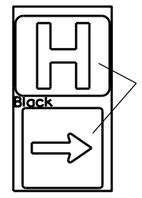
J3-1



J3-2



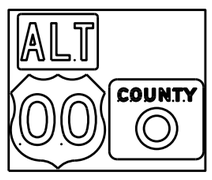
J3-3



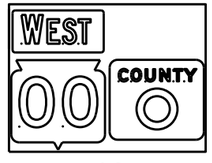
JH-1



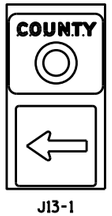
J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1

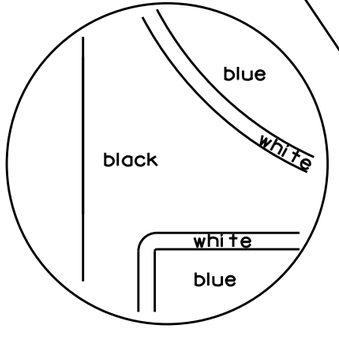


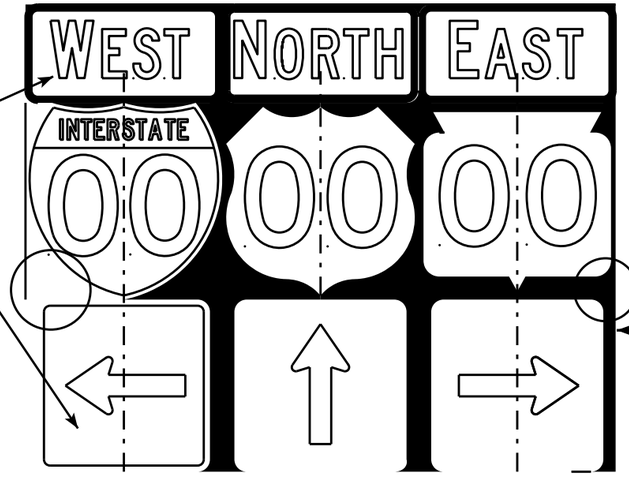
J23-1

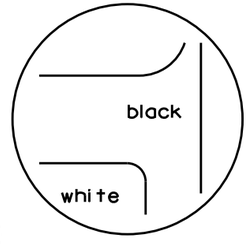


J22-1

[blue background with interstate]







[black background]

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

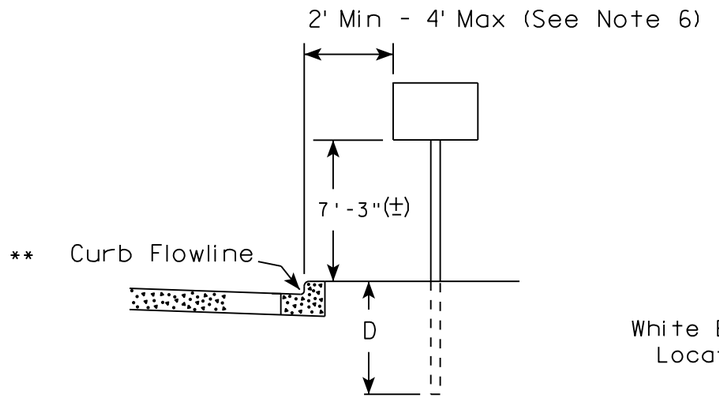
DATE 2/06/14 PL A2-1S.8

PROJECT NO: SHEET NO: E

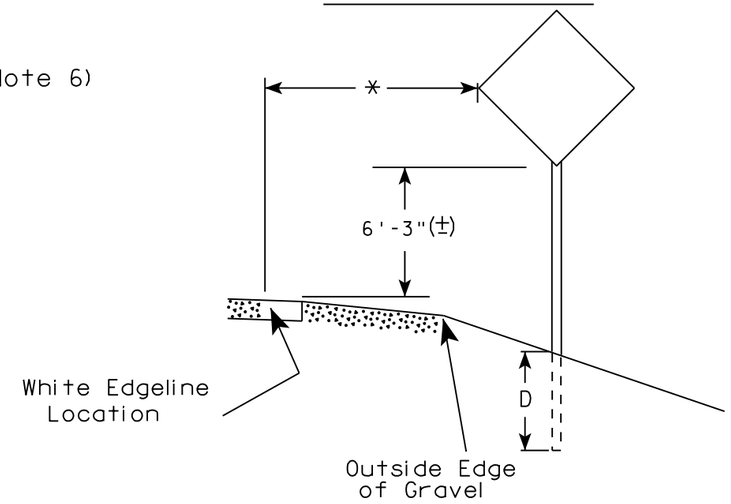
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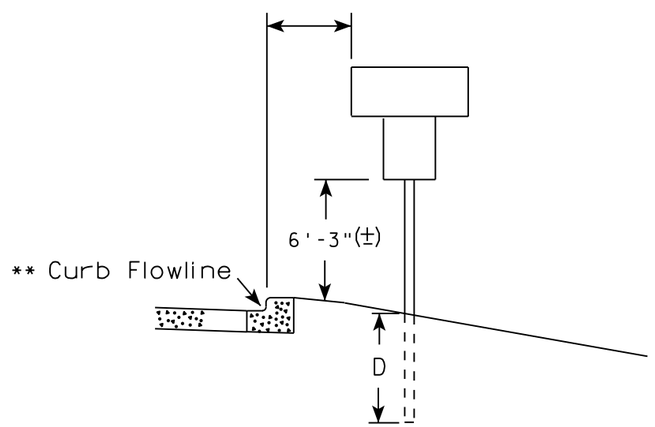
WISDOT/CADDS SHEET 42

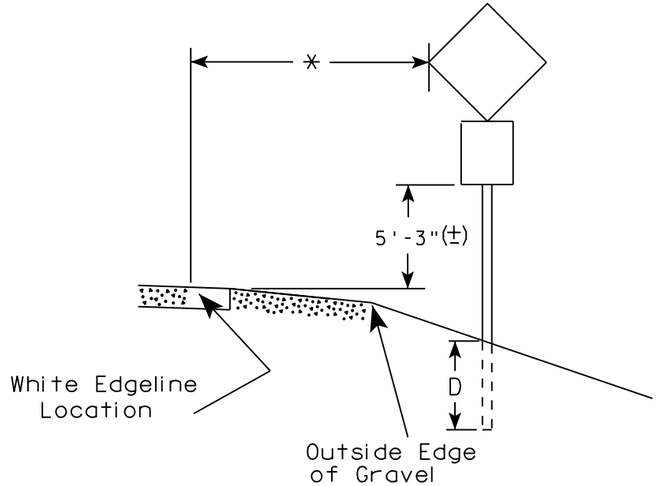
URBAN AREA



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

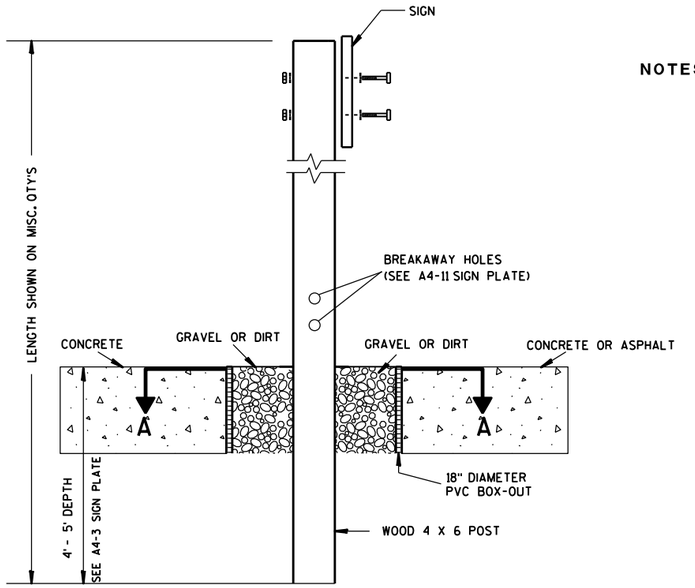
1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. J-Assemblies are considered to be one sign for mounting height.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. 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), 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" (±).

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

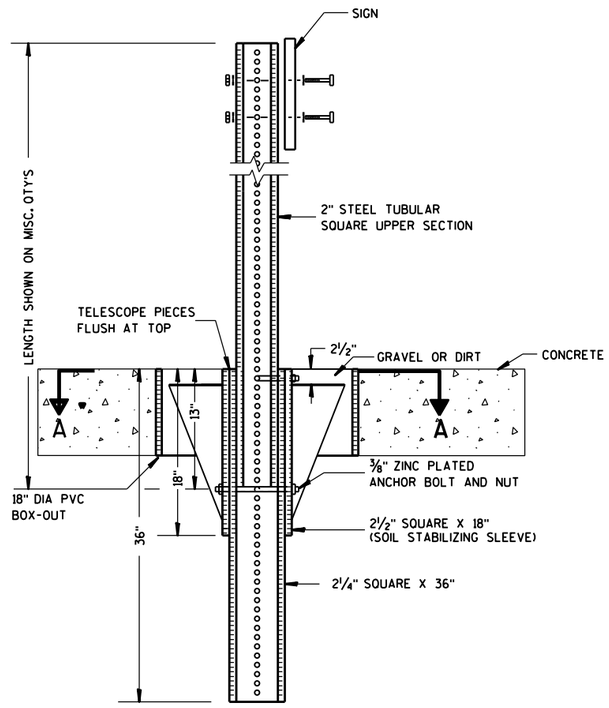
DATE 8/21/17 PLATE NO. A4-3.21



ELEVATION VIEW

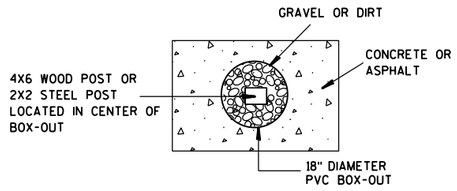
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

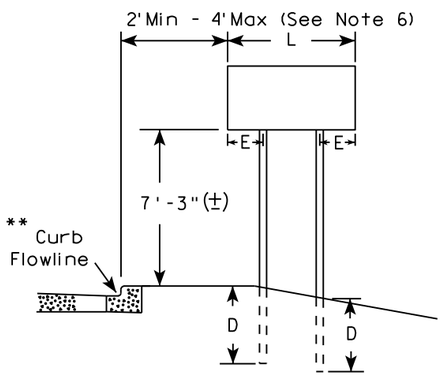
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

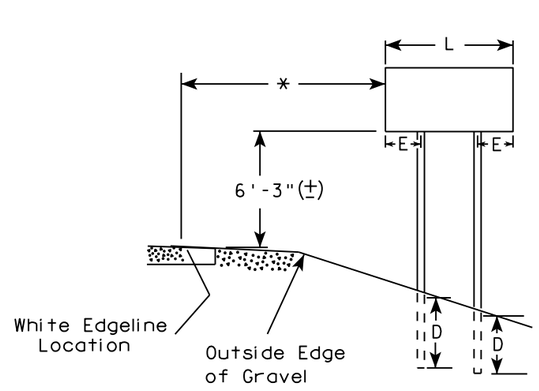
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

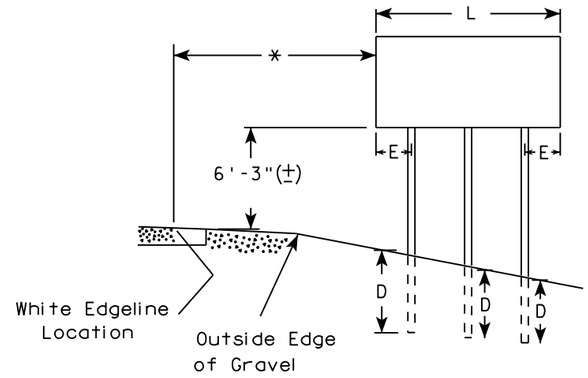
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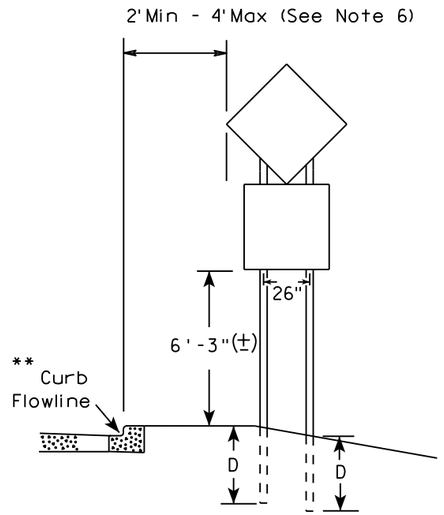
URBAN AREA



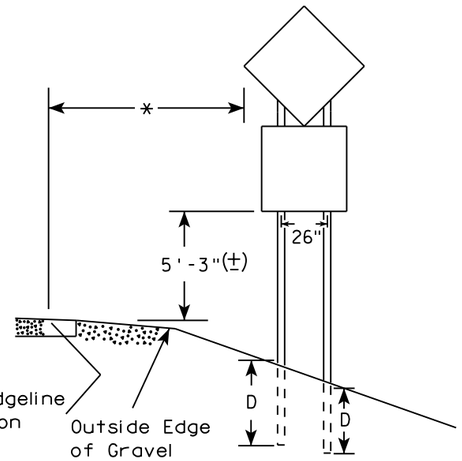
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

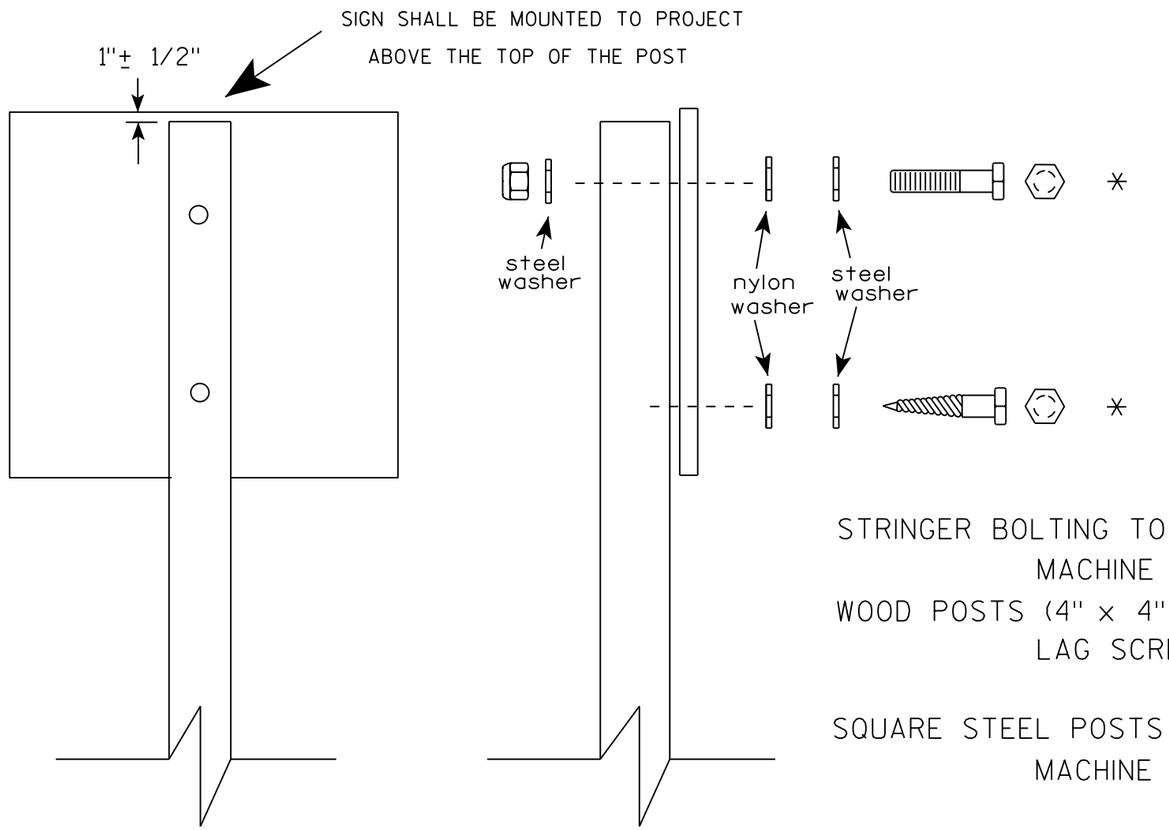
Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15



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 4" or 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

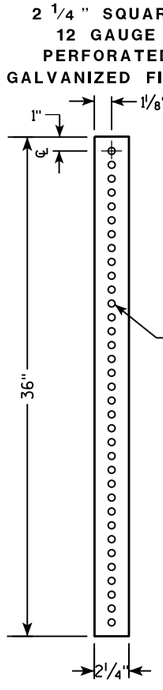
DATE 8/11/16 PLATE NO. A4-8.8

PROJECT NO: SHEET NO: E

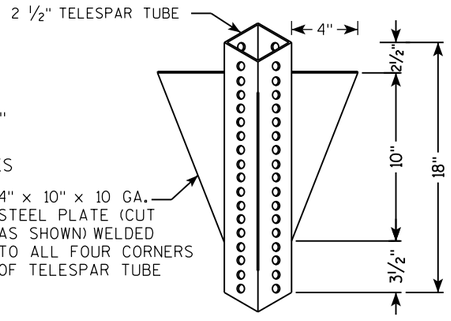
FILE NAME : C:\CADfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

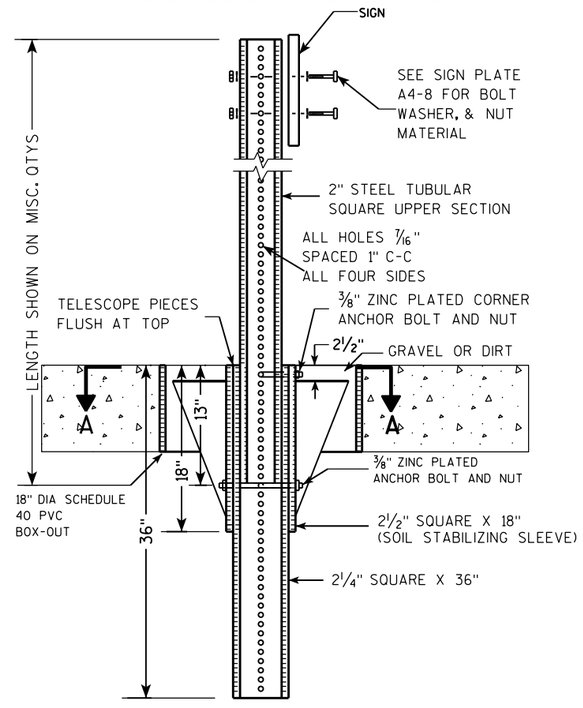
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



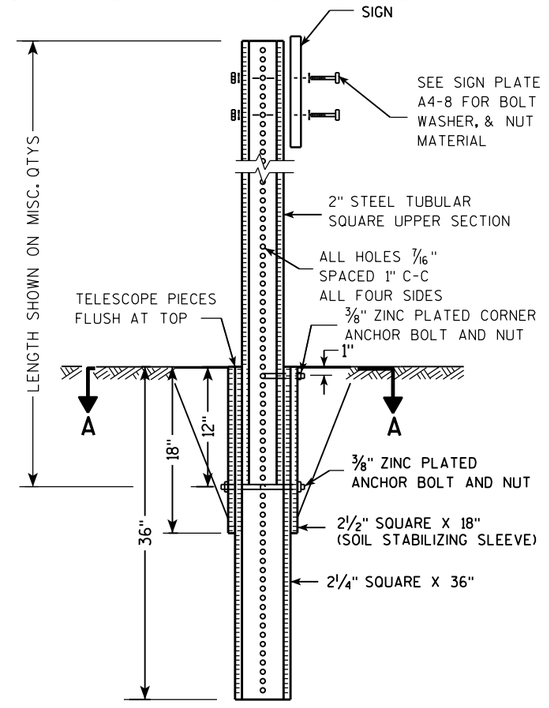
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

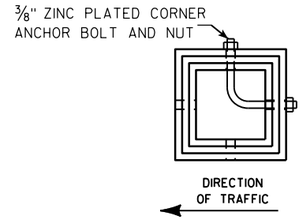


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

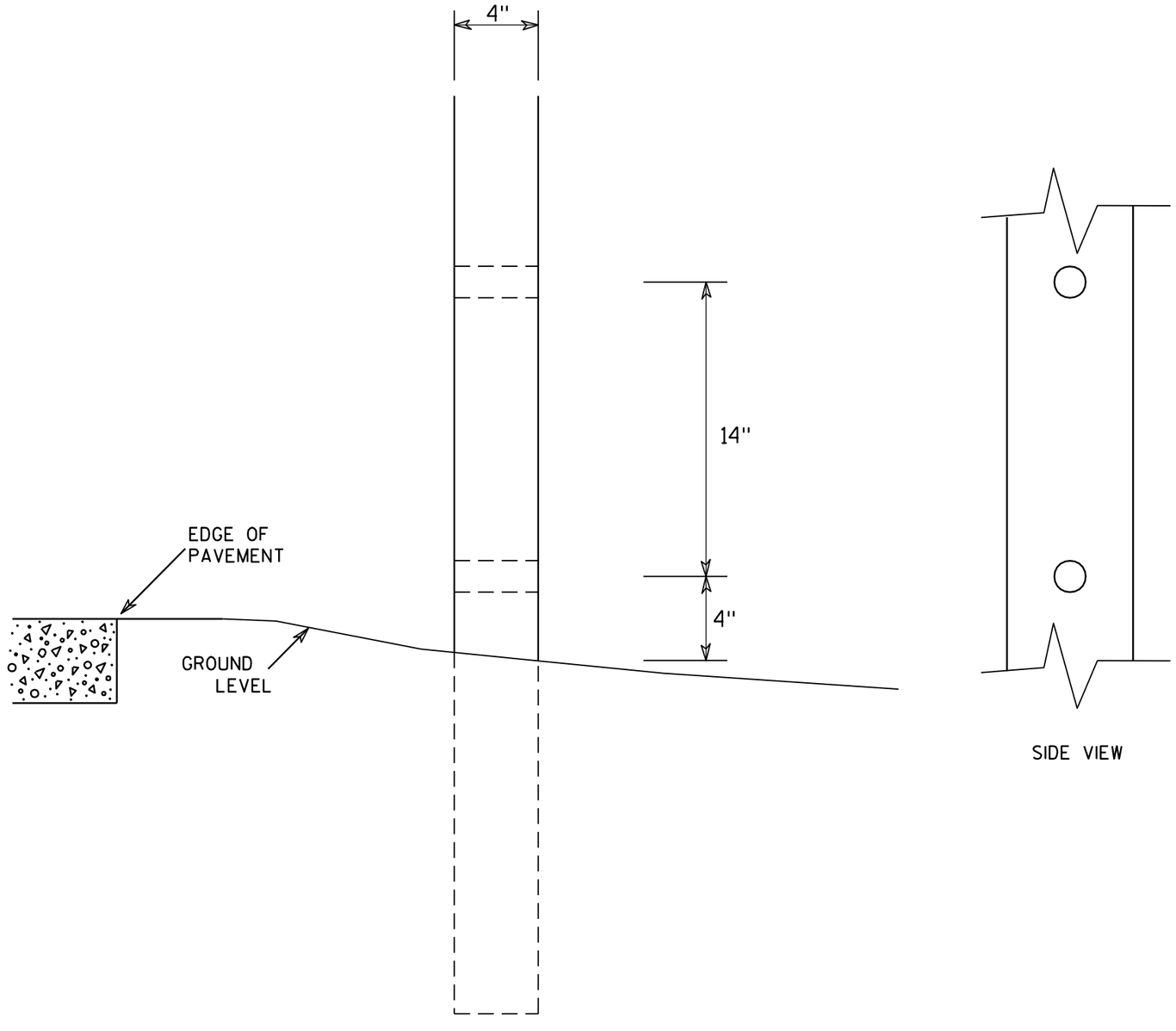
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 298 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

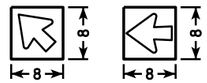
APPROVED Chester J Spang
for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

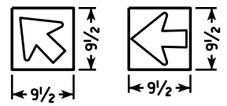
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 299	E

SIGN LAYOUT WITH VARIOUS SIZED MESSAGES

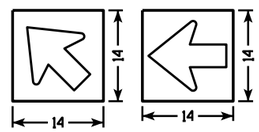




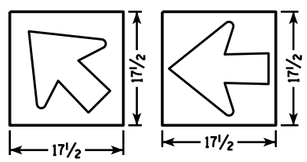










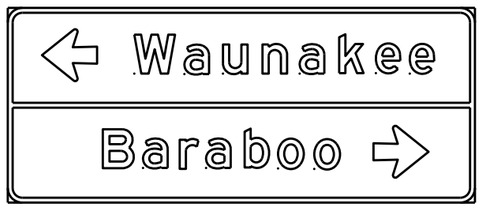


GENERAL NOTES

1. Materials shall conform to Standard Specification Section 637.
   Base - Sheet Aluminum 0.040" Thickness
   Sheeting - Orange Type F Reflective
   Arrow - Black Non-Reflective
2. Arrow signs shall be fastened to permanent sign by either aluminum rivets or aluminum self-tapping sheet metal screws. There shall be a minmum of 2 fasteners used per arrow sign.
3. There shall be a spacer consisting of a 0.08" nylon washer between the back of the arrow sign and the face of the permanent sign.
4. Arrows are per standard plate A1-2
5. Use separate arrow sign for each destination
6. Tilt arrow is always at 45 degrees
7. Arrow is centered on arrow sign

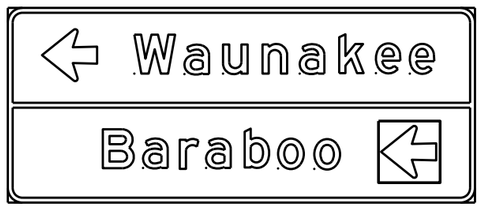
Lower Case Copy Size	Standard Width (Single Arrow)	2 Line Tilt Arrow Cover Width	3 Line Tilt Arrow Cover Width	Height
3¾" Series C	8	9 ½	14 ½	8
4½" Series D & E	9 ½	10	15	9 ½
6" Series D & E	14	16	20 ½	14
8" Series E	17 ½	20 ½	25	17 ½

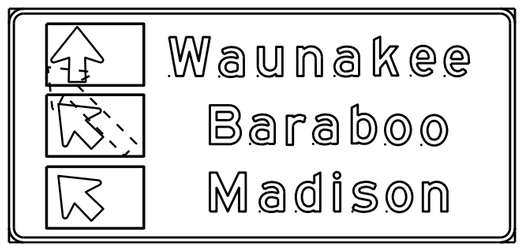
BEFORE





AFTER





DESTINATION DIRECTIONAL ARROW FOR DETOUR SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/08/14

PROJECT NO:

SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A412.DGN PLOT DATE : 08-OCT-2014 11:50 PLOT BY : mscsja

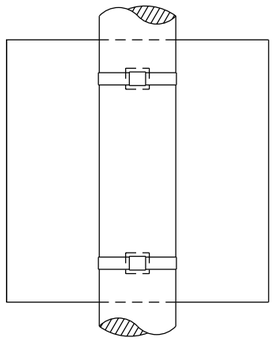
WISDOT/CADDS SHEET 42

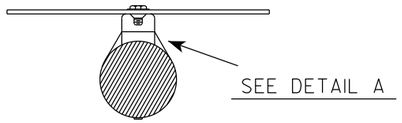
7

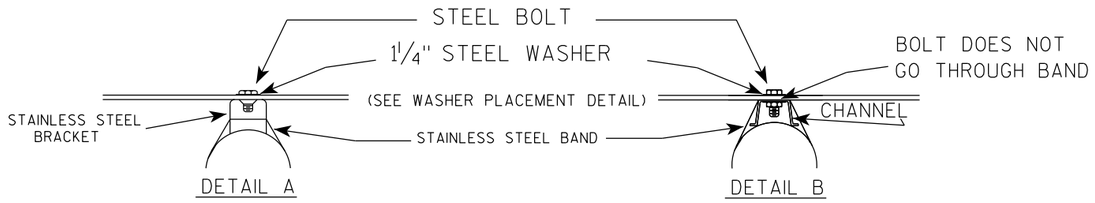
7

BANDING

SINGLE SIGN



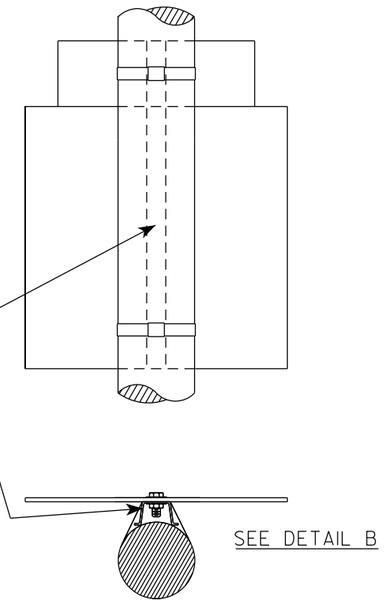




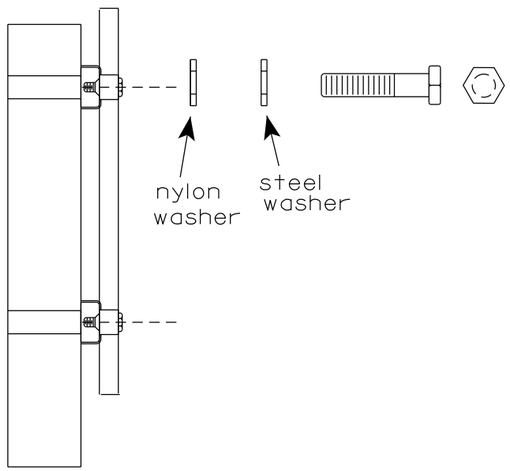
GENERAL NOTES

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



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

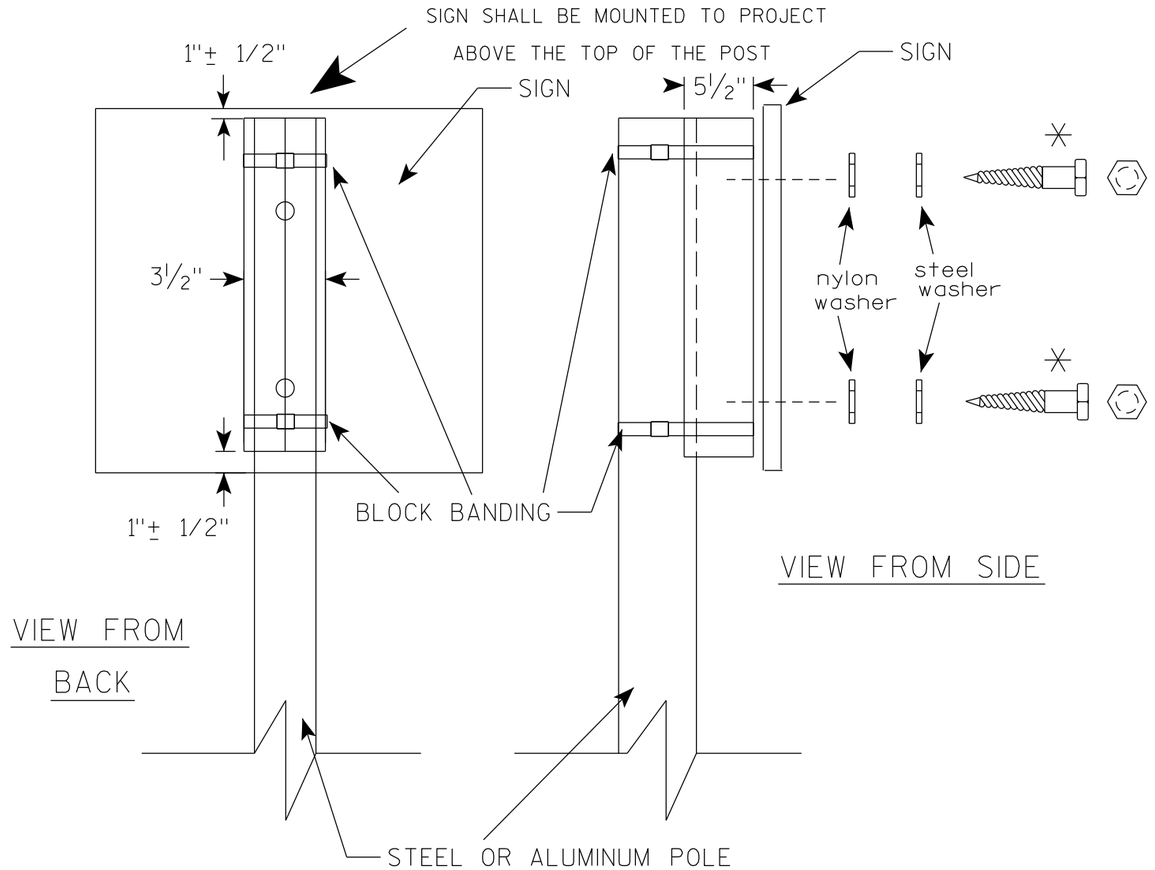
WISCONSIN DEPT OF TRANSPORTATION

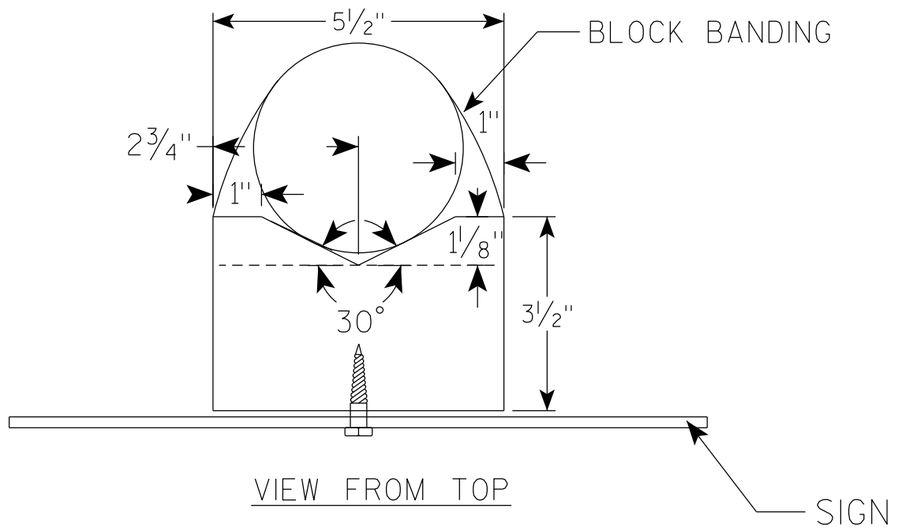
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-9.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 301	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$





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"

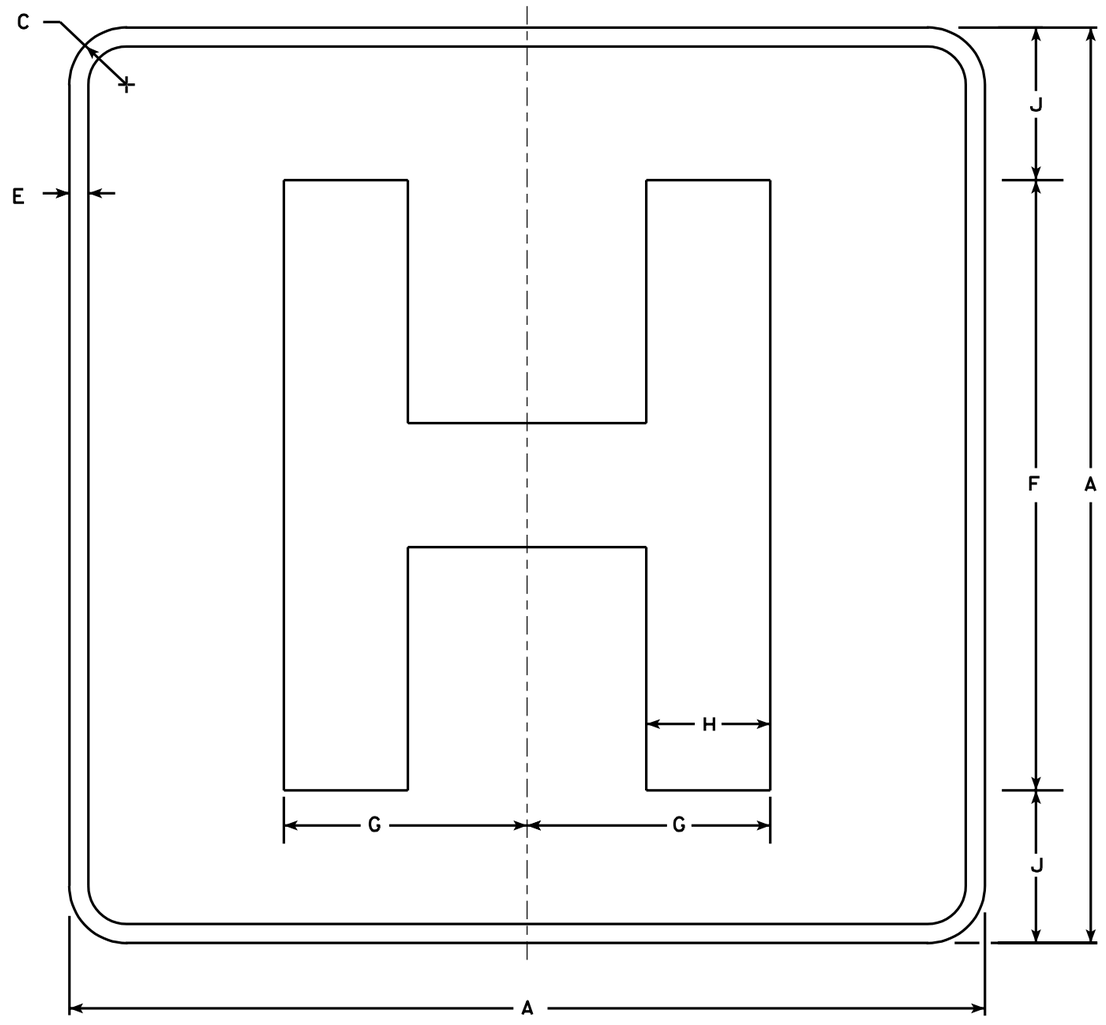
BLOCK BANDING DETAIL (V-BLOCK OPTION)

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: 302 | E



D9-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Blue
   Message - White - Type H Reflective
3. Message Series - E Modified
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.

Metric equivalent for this sign is:

SIZE	
1	450 mmX 450 mm
2	600 mmX 600 mm
3	900 mmX 900 mm
4	X
5	X

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/8		1/2	12	4 3/4	2 3/8		3																	4.0
2	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
3	36		2 1/4		3/4	24	9 1/2	4 7/8		6																	9.0
4																											
5																											

STANDARD SIGN
D9-2

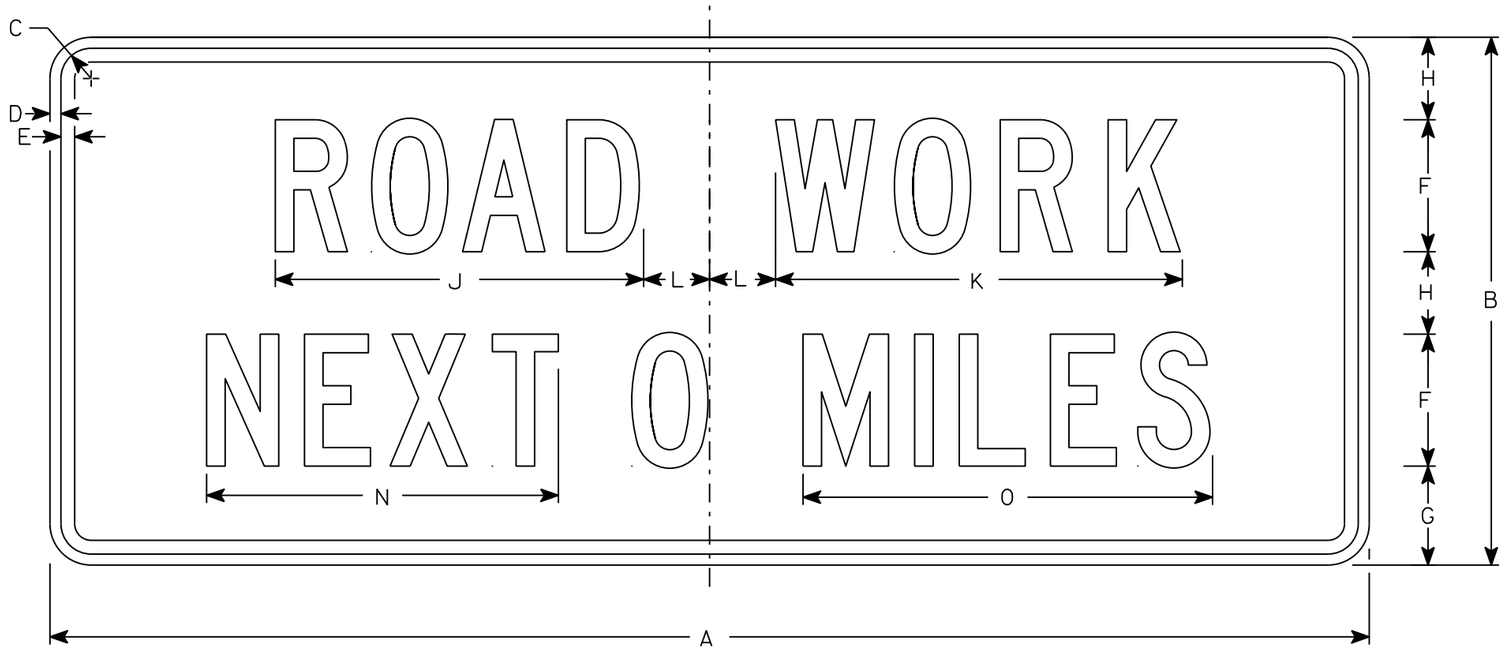
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spong
for State Traffic Engineer

DATE 1/15/02 PLATE NO. D9-2.4

PROJECT NO:

SHEET NO: 303 E



G20-1

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. Round distance to nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10
3																											
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10
5																											

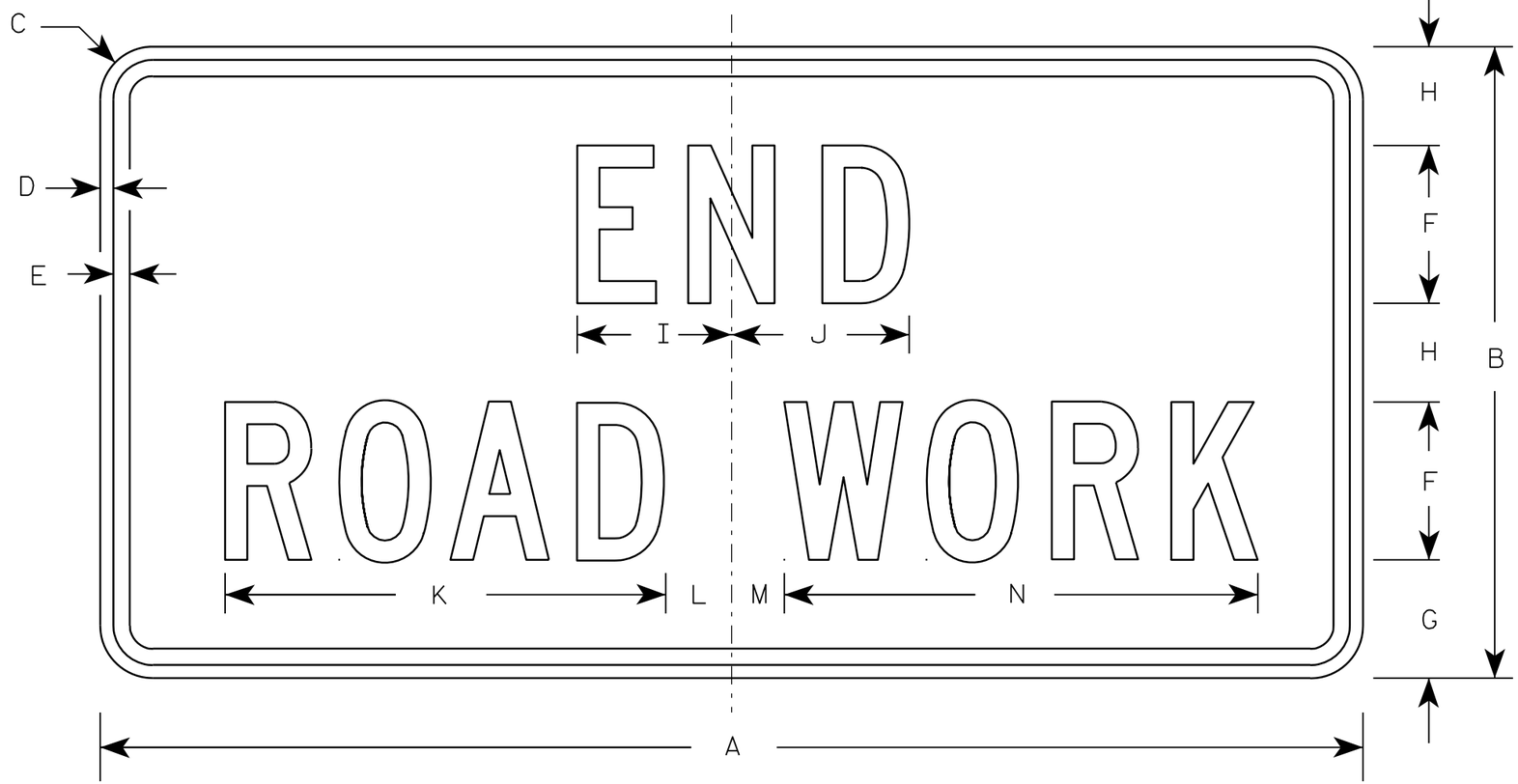
STANDARD SIGN
G20-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/14/17 PLATE NO. G20-1.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 304 | E



G20-2A

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 - 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.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

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.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

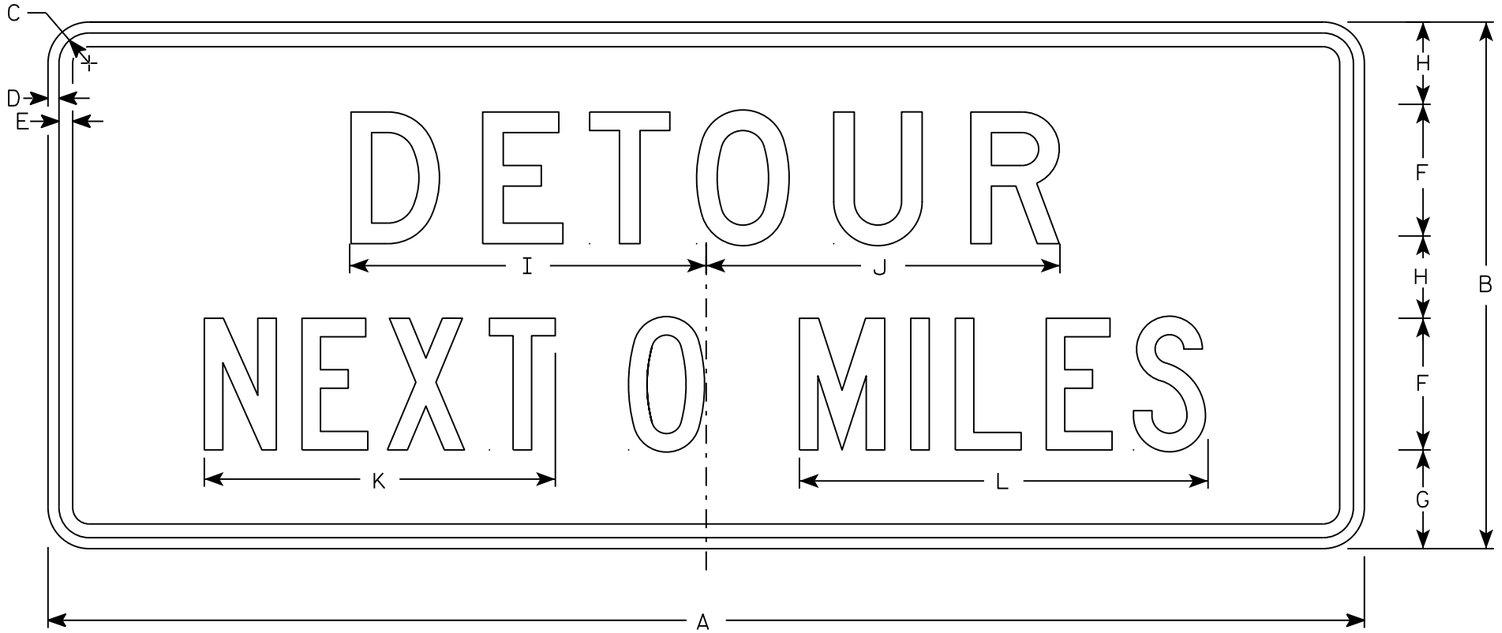
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 305	E



G20-51

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - Line 1 is D and Line 2 is C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Round distance to nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10
3																											
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10
5																											

STANDARD SIGN
G20-51

WISCONSIN DEPT OF TRANSPORTATION

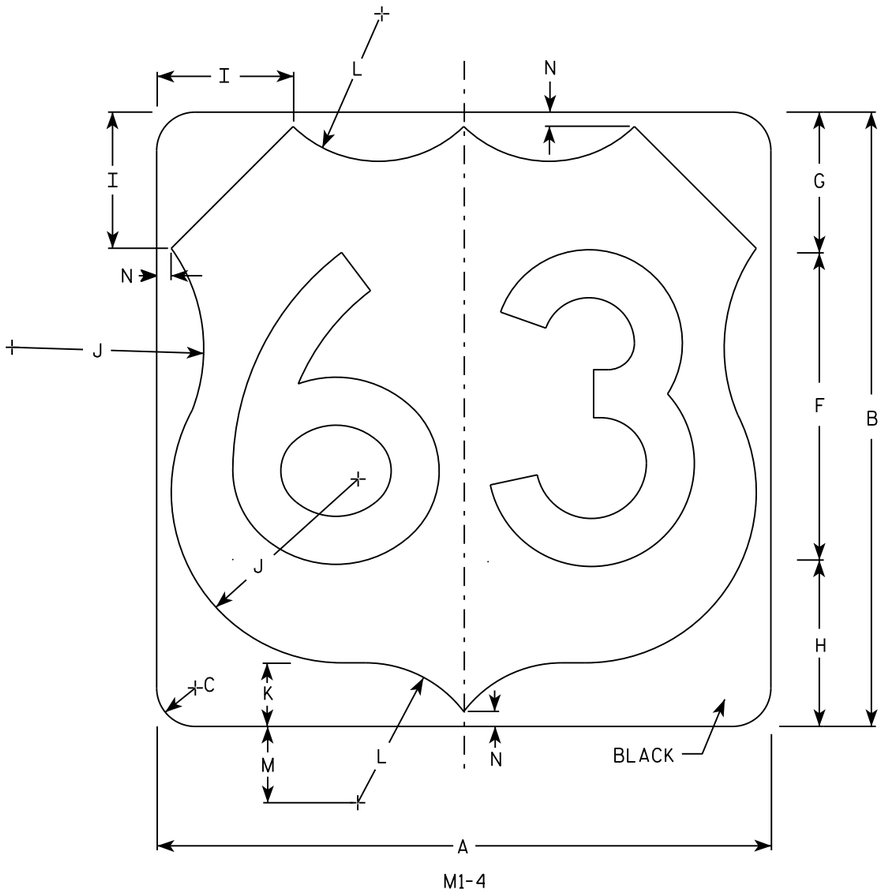
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/14/17 PLATE NO. G20-51.2

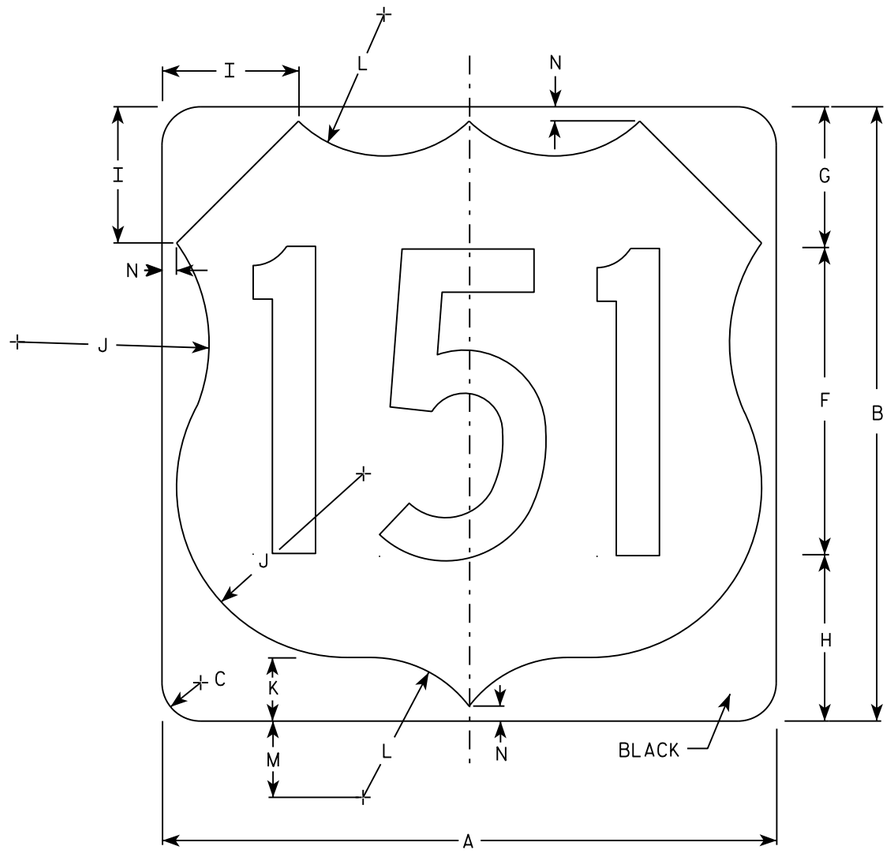
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 306	E

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

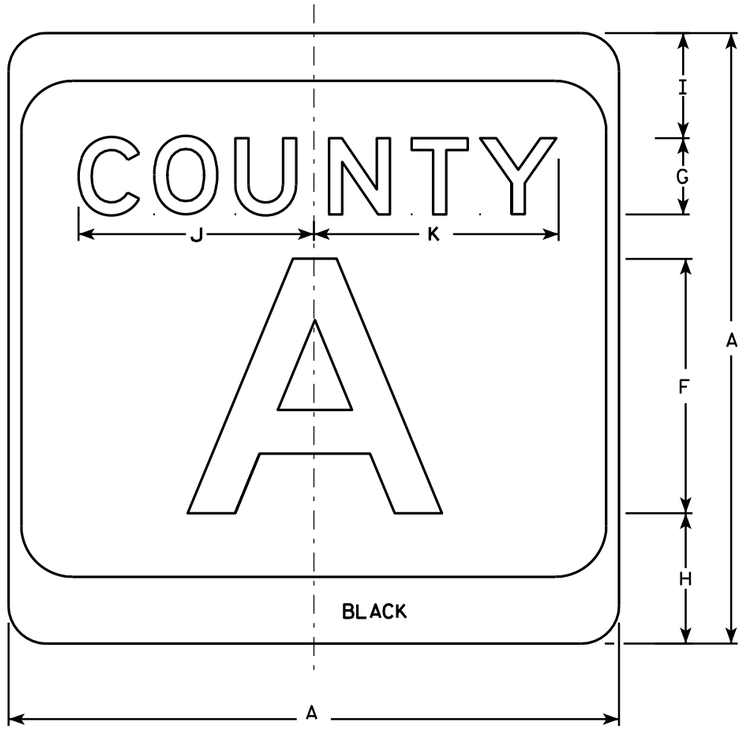
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

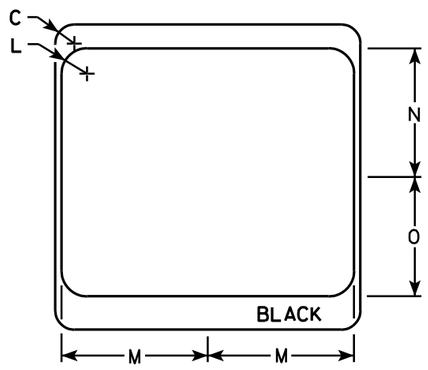
APPROVED Matthew R Rauch
for State Traffic Engineer

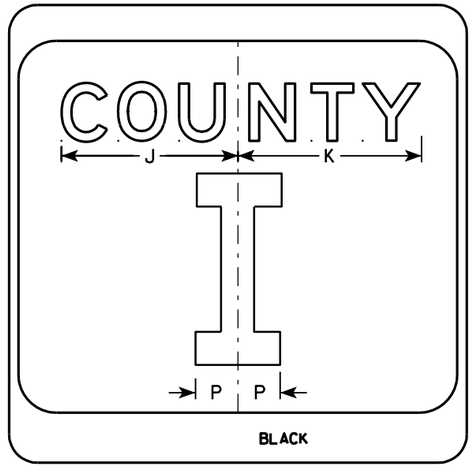
DATE 3/16/18 PLATE NO. M1-4.10

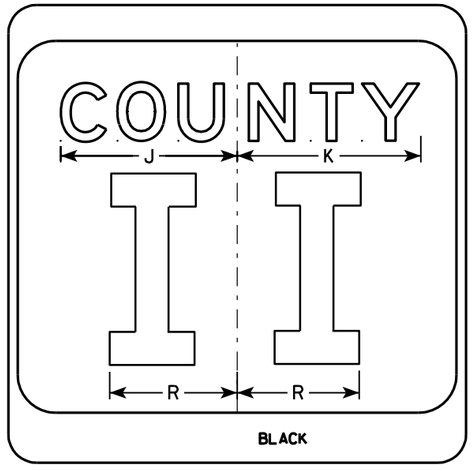
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 307	E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

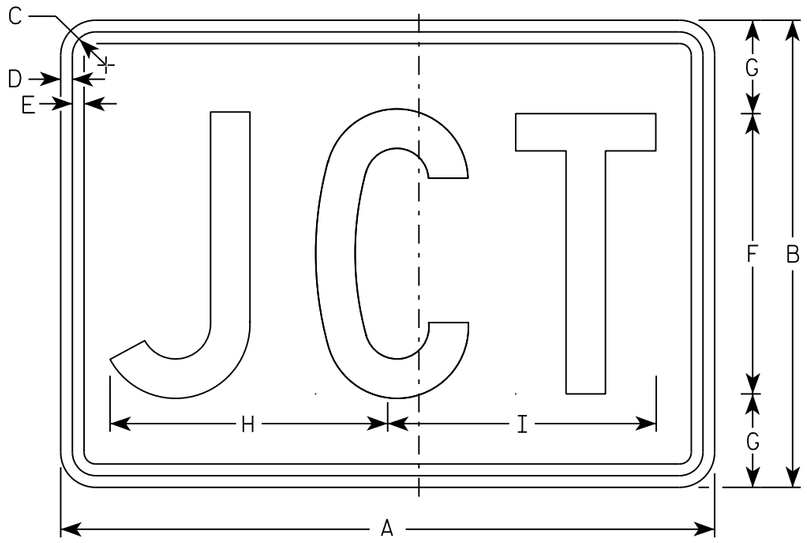
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

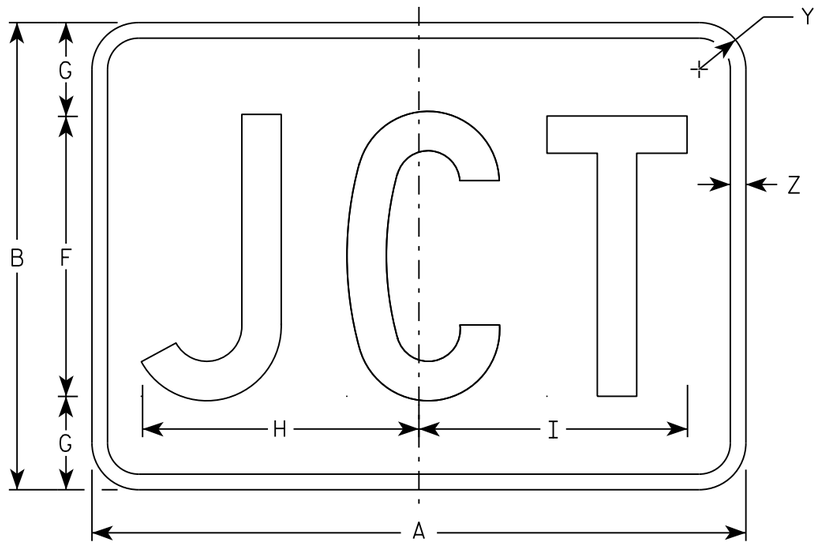
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 308	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

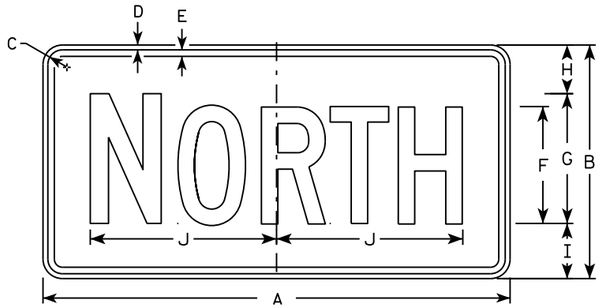
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

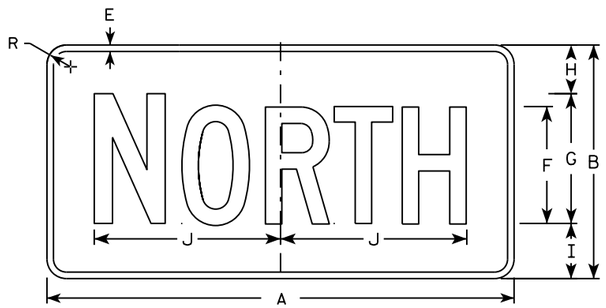
DATE 10/15/15 PLATE 309 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



M3-1
MM3-1
MP3-1



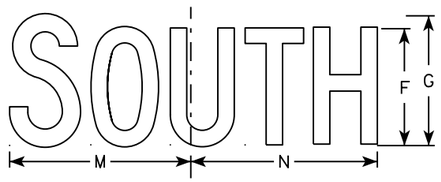
MB3-1
MK3-1
MN3-1



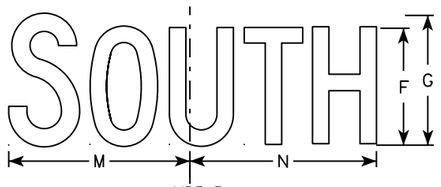
M3-2
MM3-2
MP3-2



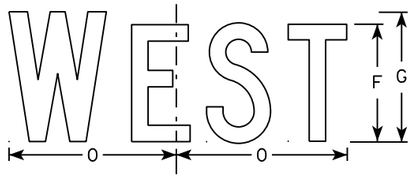
MB3-2
MK3-2
MN3-2



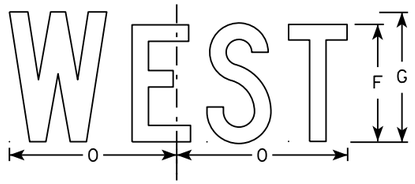
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

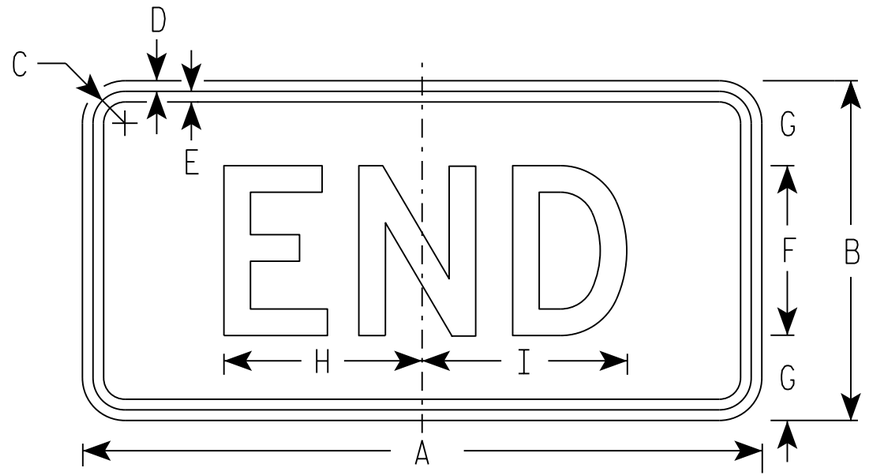
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

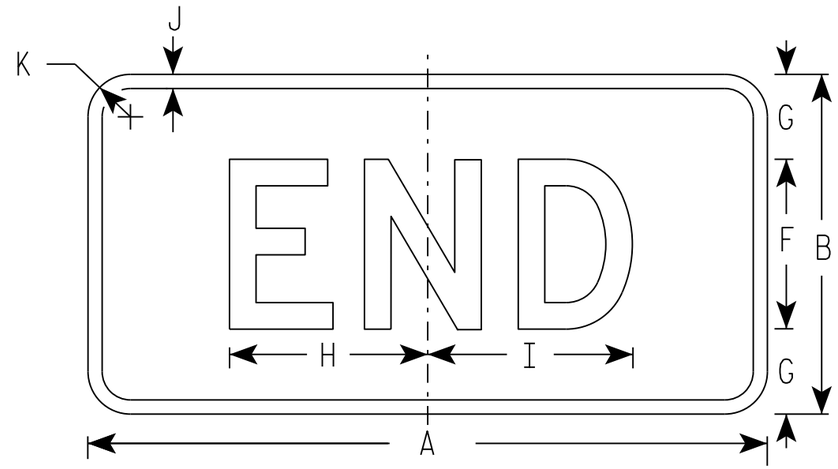
DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-6
MM4-6
MP4-6



MB4-6
MK4-6
MN4-6
MR4-6

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-6 Background - White
   Message - Black

   MB4-6 Background - Blue
   Message - White

   MK4-6 Background - Green
   Message - White

   MM4-6 Background - White
   Message - Green

   MN4-6 Background - Brown
   Message - White

   MP4-6 Background - White
   Message - Blue

   MR4-6 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	7	7 1/4	1/2	1 1/2																2.00
3	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
4	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
5	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5

STANDARD SIGN
M4-6

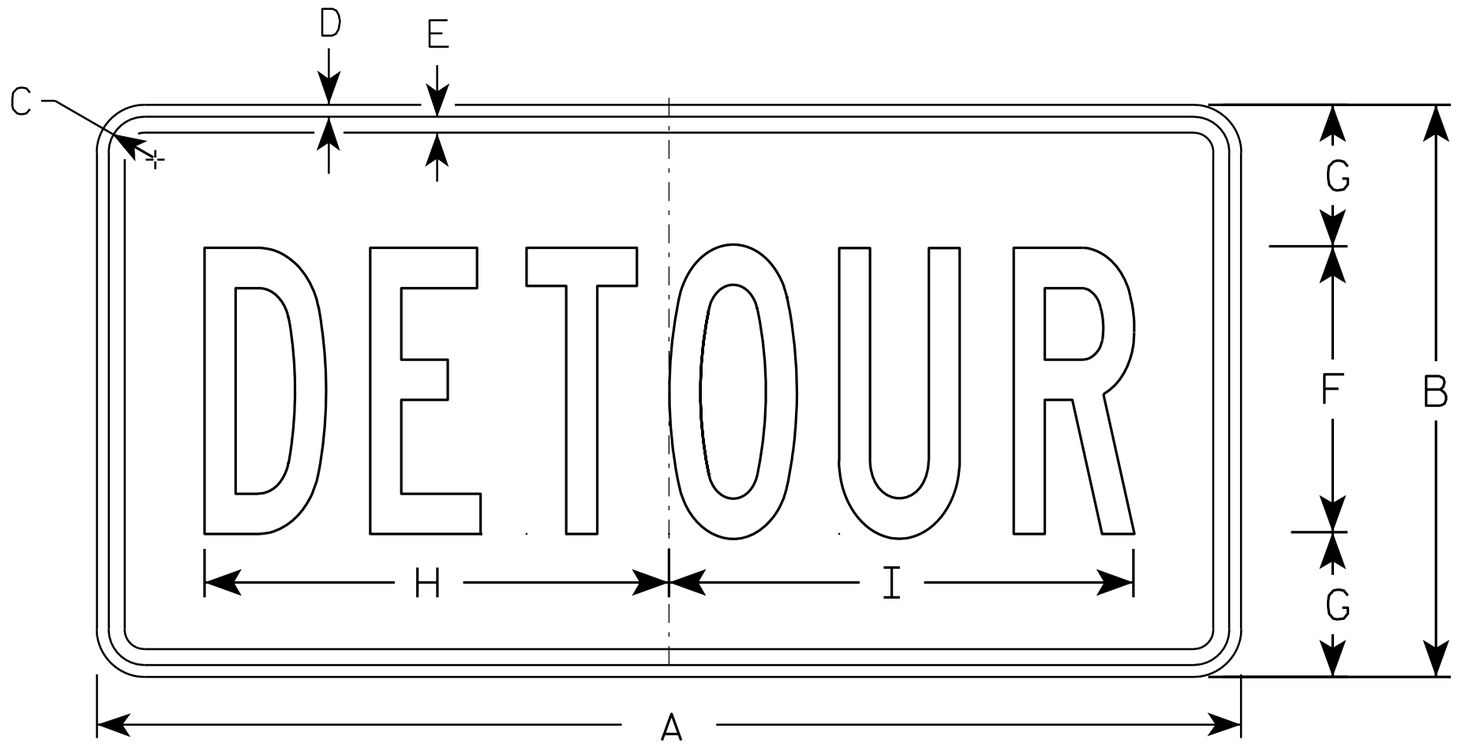
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 311 '14-7.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M46.DGN PLOT DATE : 01-DEC-2015 17:55 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.351066:1.000000



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

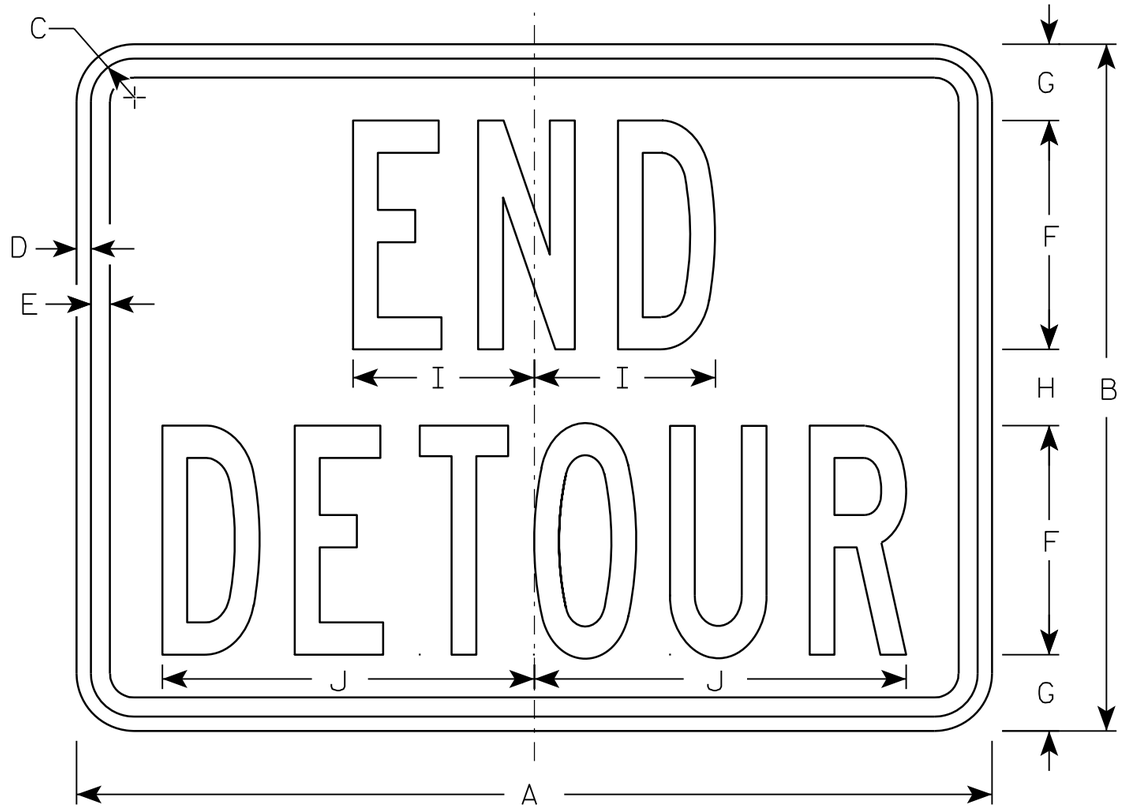
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 312	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

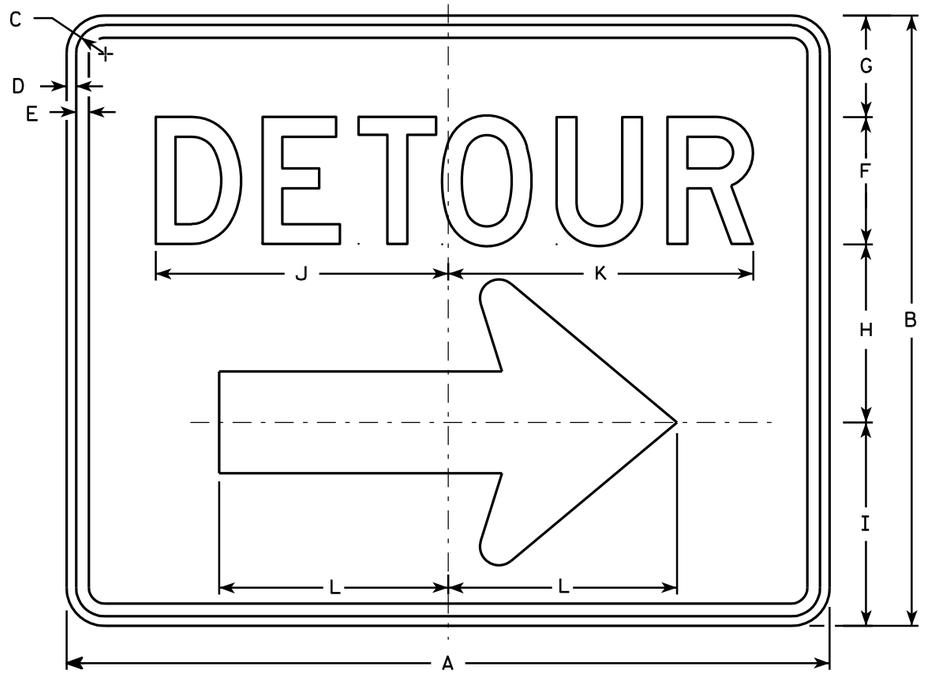
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

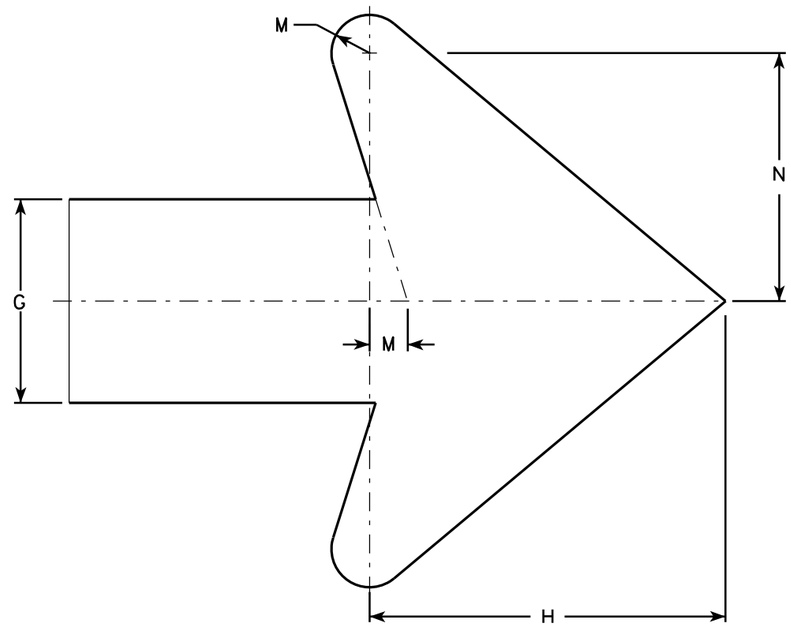
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 313	E



M4-9R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

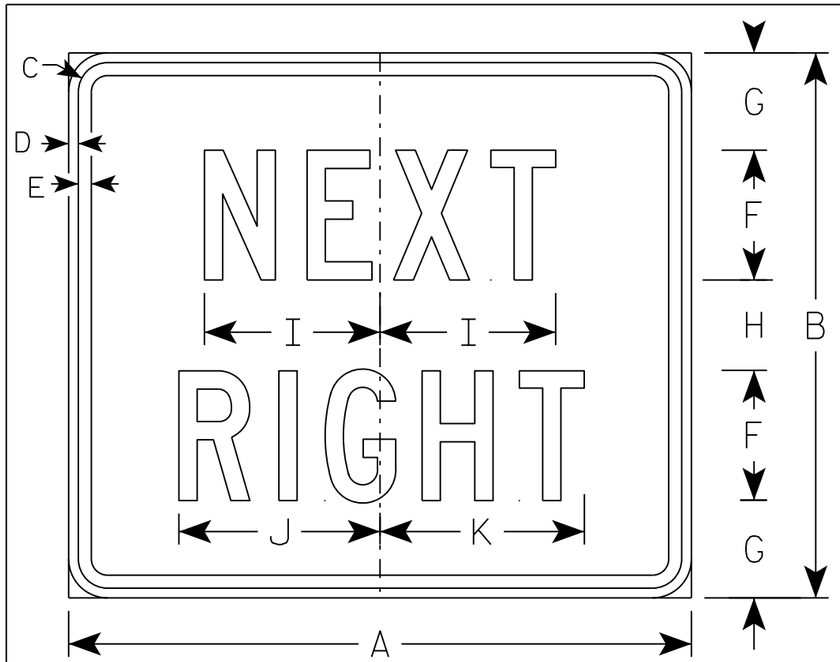
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

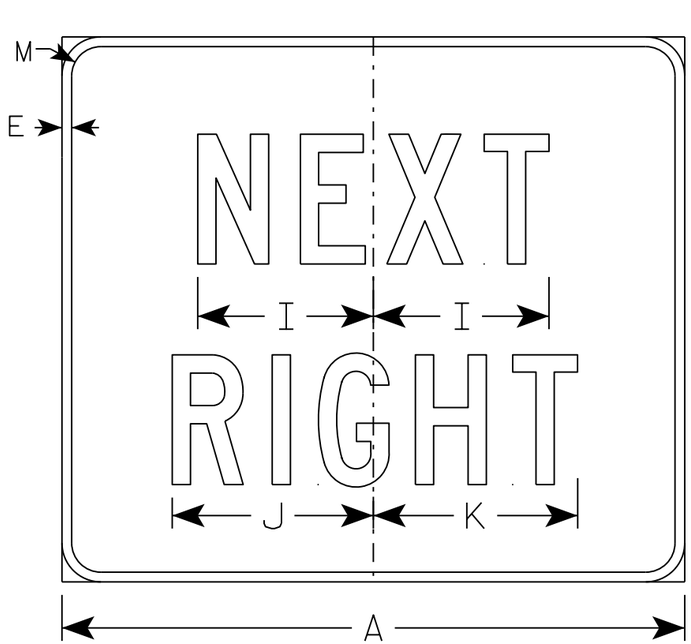
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

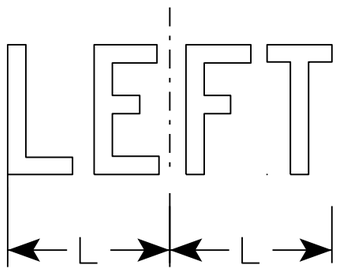
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 314 | E



M4-21R
MM4-21R
MO4-21R
MP4-21R



MB4-21R
MK4-21R
MN4-21R
MR4-21R



M4-21L
MB4-21L
MK4-21L
MM4-21L
MN4-21L
MO4-21L
MP4-21L
MR4-21L

NOTES

1. Sign is Type II - Type H except as Shown
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. M4-21 Background - White
   Message - Black
   MB4-21 Background - Blue
   Message - White
   MK4-21 Background - Green
   Message - White
   MM4-21 Background - White
   Message - Green
   MN4-21 Background - Brown
   Message - White
   MO4-21 Background - Orange - Type F Reflective
   Message - Black
   MP4-21 Background - White
   Message - Blue
   MR4-21 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	21	1 1/8	3/8	1/2	5	3 3/4	3 1/2	6 3/4	7 3/4	7 7/8	6 1/4	1 1/2														3.5
3	36	30	1 5/8	5/8	3/4	8	4 3/4	4 1/2	10 7/8	12 5/8	12 1/2	10 1/8	1 7/8														7.5
4																											
5																											

STANDARD SIGN
M4-21

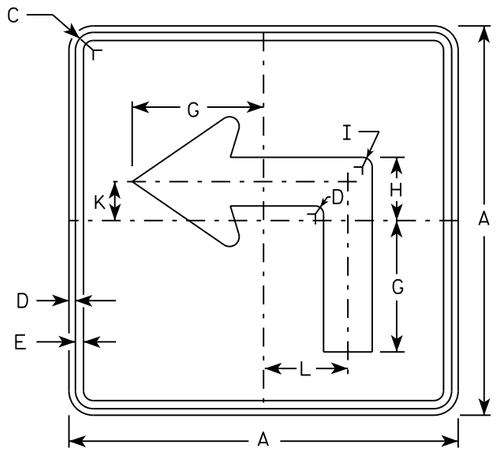
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

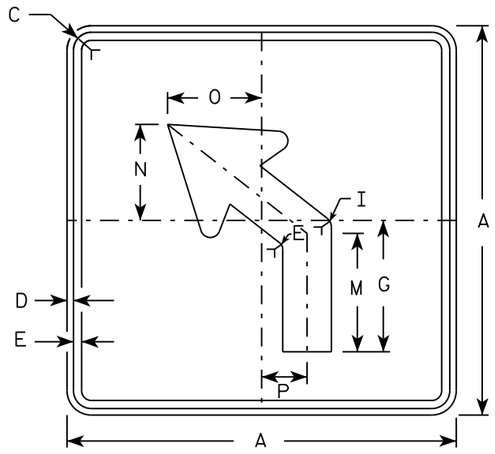
DATE 10/15/15 PLATE NO. M4-21.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

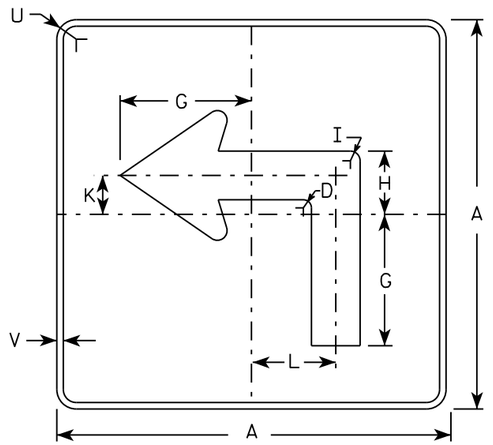
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M421.DGN PLOT DATE : 01-DEC-2015 18:03 PLOT BY : $$ platuser $$ PLOT NAME : PLOT SCALE : 5.837526:1.000000



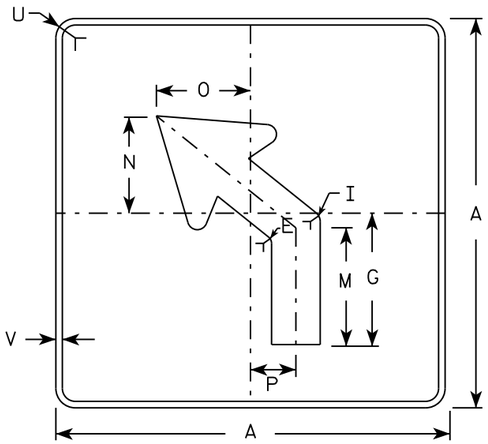
M5-1L
MM5-1L
MO5-1L
MP5-1L



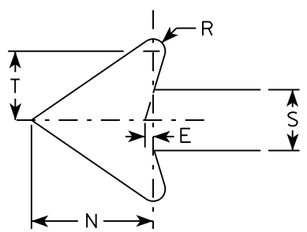
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

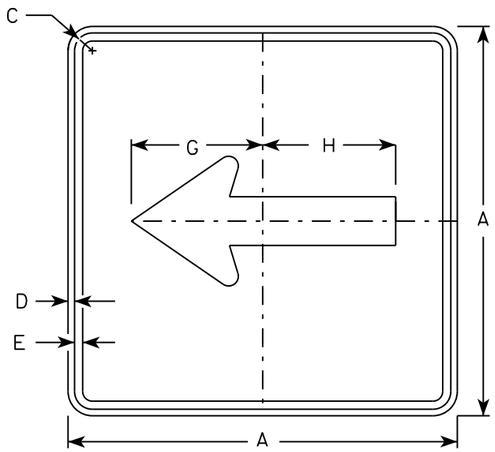
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

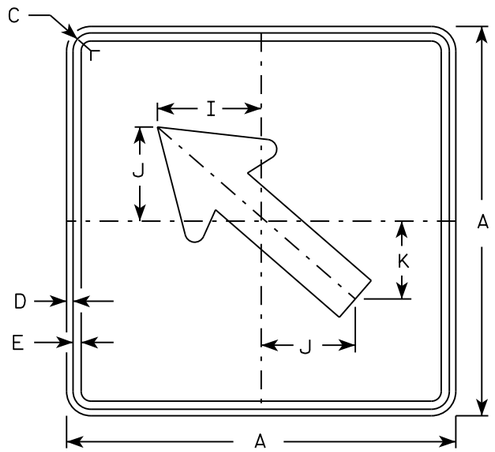
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



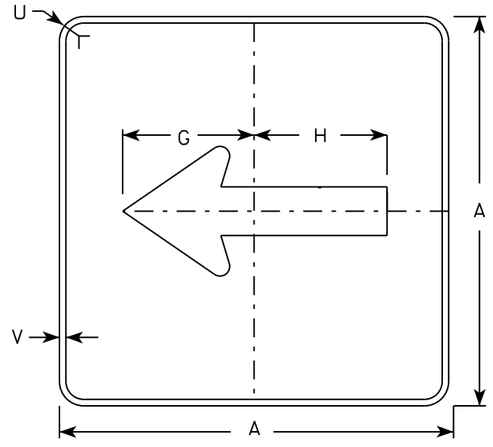
M6-1
MM6-1
MO6-1
MP6-1



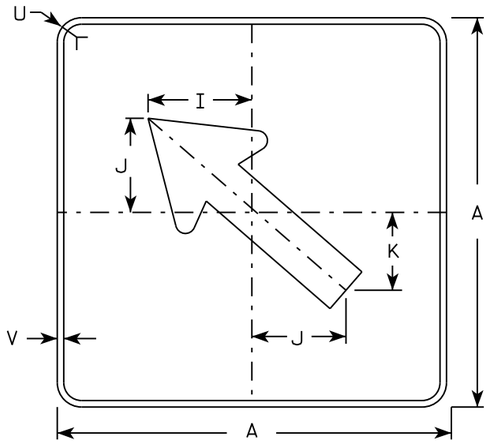
M6-2
MM6-2
MO6-2
MP6-2

NOTES

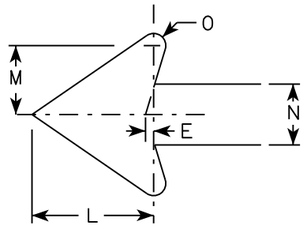
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

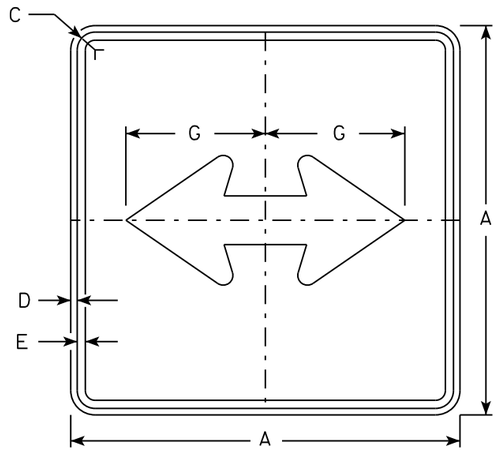
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

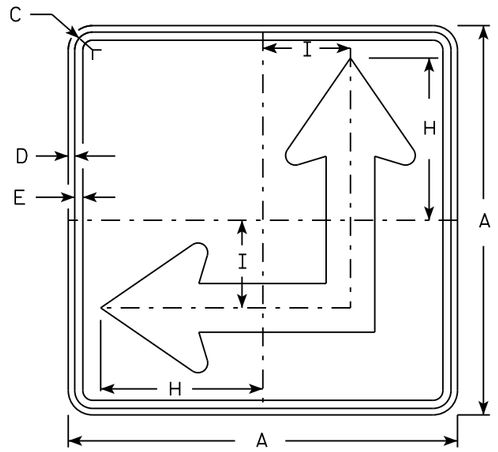
DATE 10/15/15 PLATE 317 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



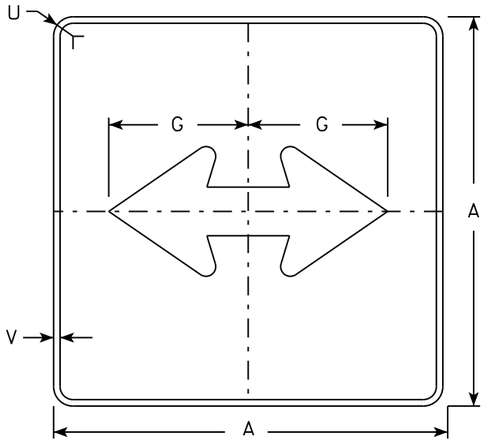
M6-4
MM6-4
MO6-4
MP6-4



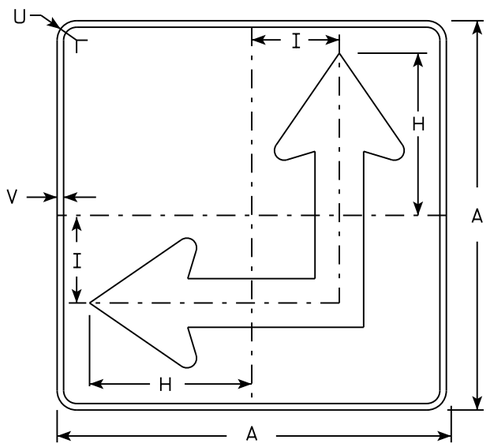
M6-6
MM6-6
MO6-6
MP6-6

NOTES

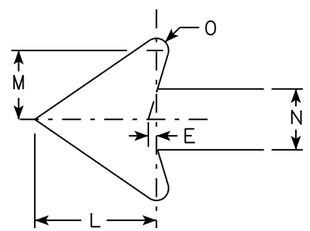
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White
   MK6-4 and MK6-6 Background - Green
   Message - White
   MM6-4 and MM6-6 Background - White
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow
5. M6-6R same as M6-6L except arrow points ahead and right.



MB6-4
MK6-4
MN6-4
MR6-4



MB6-6
MK6-6
MN6-6
MR6-6



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

STANDARD SIGN
M6-4 & M6-6
SERIES

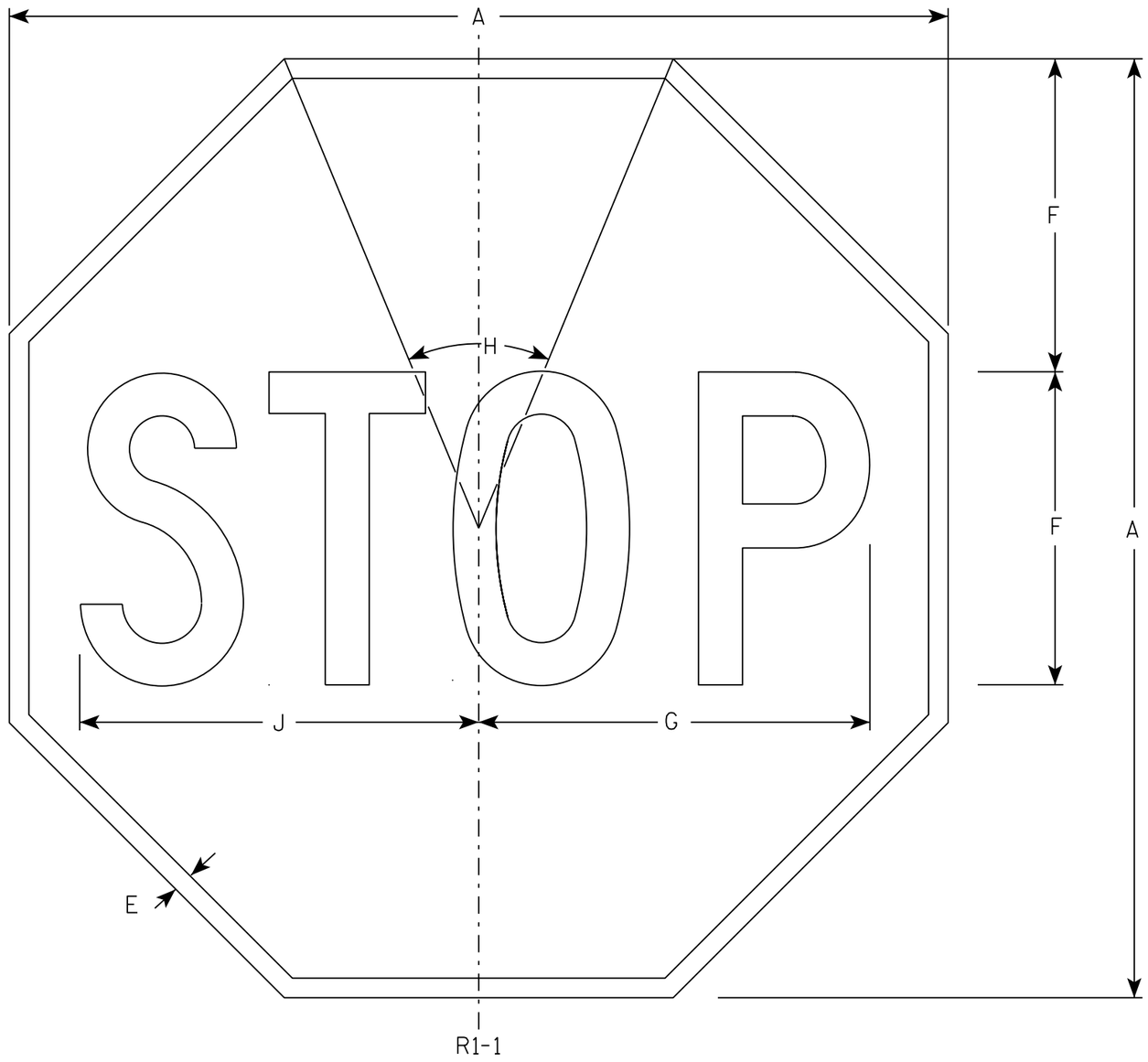
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 318 M6-4.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M64.DGN PLOT DATE : 01-DEC-2015 17:58 PLOT BY : $$ platuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

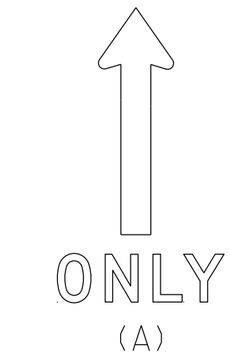
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

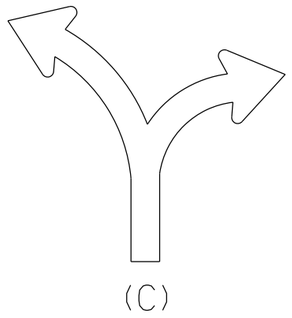
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 319	E

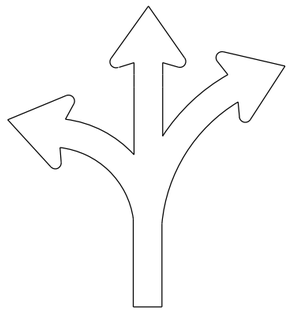


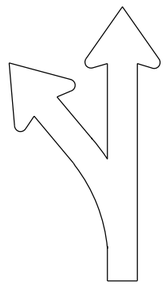
(A)

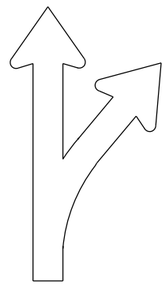


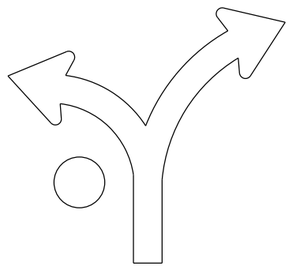
(B)

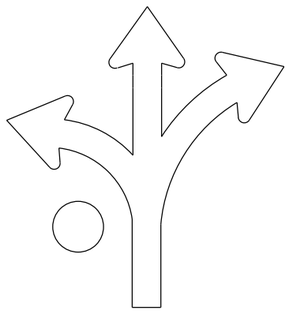

(C)

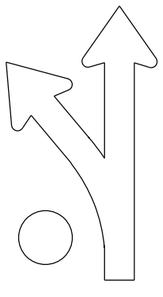

(D)

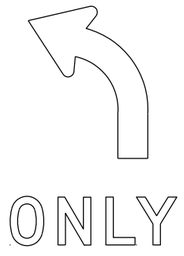

(E)


(F)

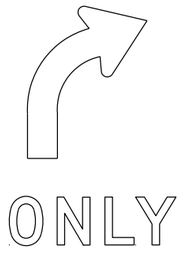

(G)


(H)

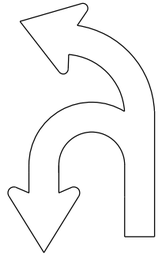

(I)



(L)



(R)


(U)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1	Letter =	3.75 sq ft for Size 2
		6.0 sq ft for Size 3
		10.0 sq ft for Size 4 or 5
2	Letters =	7.5 sq ft for Size 2
		12.0 sq ft for Size 3
		20.0 sq ft for Size 4 or 5
3	Letters =	11.25 sq ft for Size 2
		18.0 sq ft for Size 3
		30.0 sq ft for Size 4 or 5
4	Letters =	15.0 sq ft for Size 2
		24.0 sq ft for Size 3
		40.0 sq ft for Size 4 or 5
5	Letters =	18.75 sq ft for Size 2
		30.0 sq ft for Size 3
		50.0 sq ft for Size 4 or 5
6	Letters =	22.5 sq ft for Size 2
		36.0 sq ft for Size 3
		60.0 sq ft for Size 4 or 5

6. When letters C,D,G,H are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

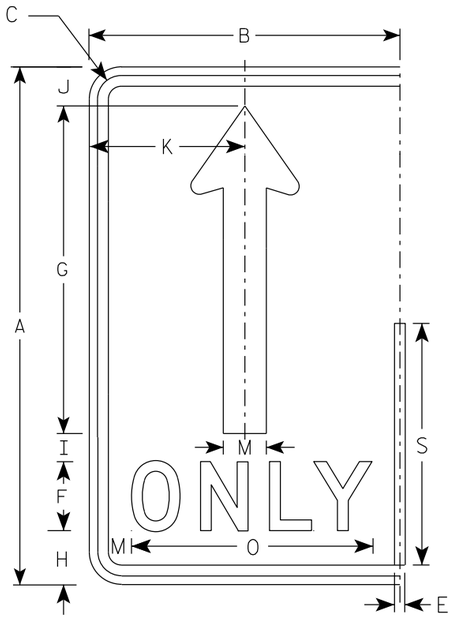
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

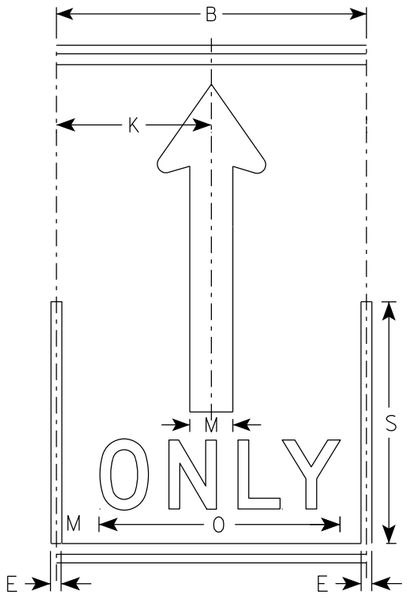
DATE 5/21/19 PLATE NO. R3-8.1

NOTES

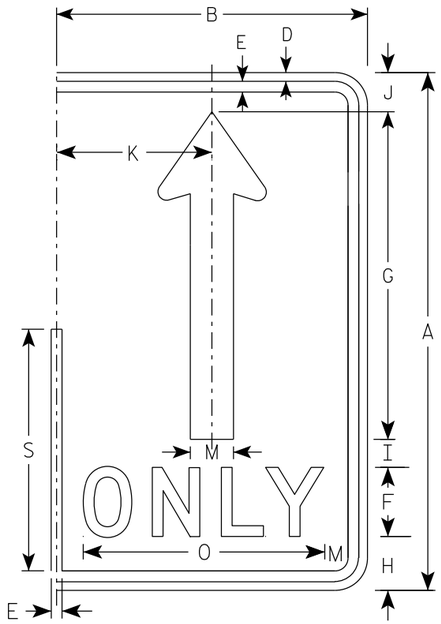
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



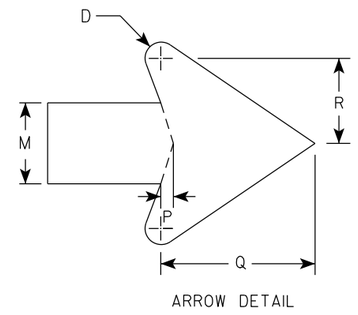
(A)



(A)



(A)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

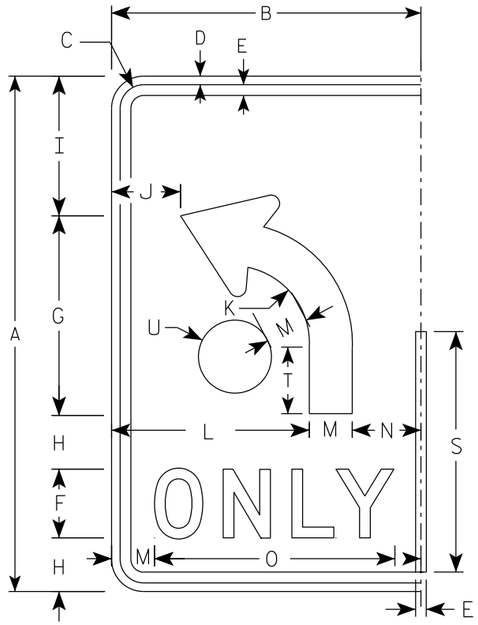
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

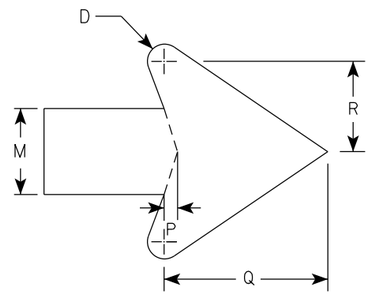
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 321 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

SHEET NO: 322 E

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 21-MAY 2019 4:38 PLOT BY : mscj9h PLOT NAME :

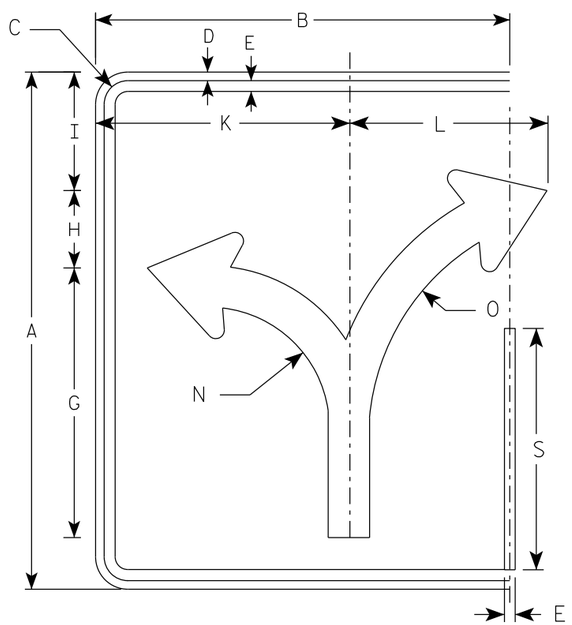
WISDOT/CADDS SHEET 42

7

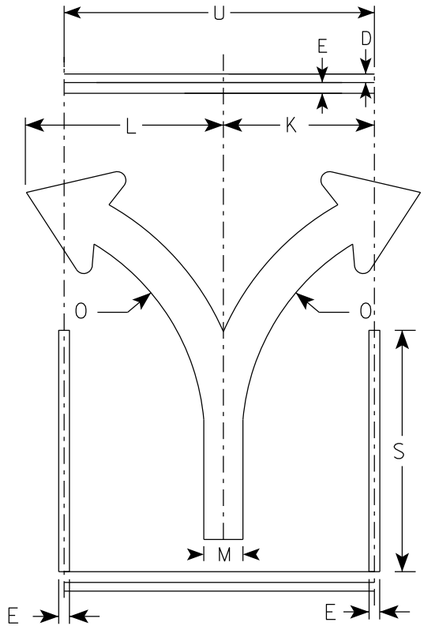
7

NOTES

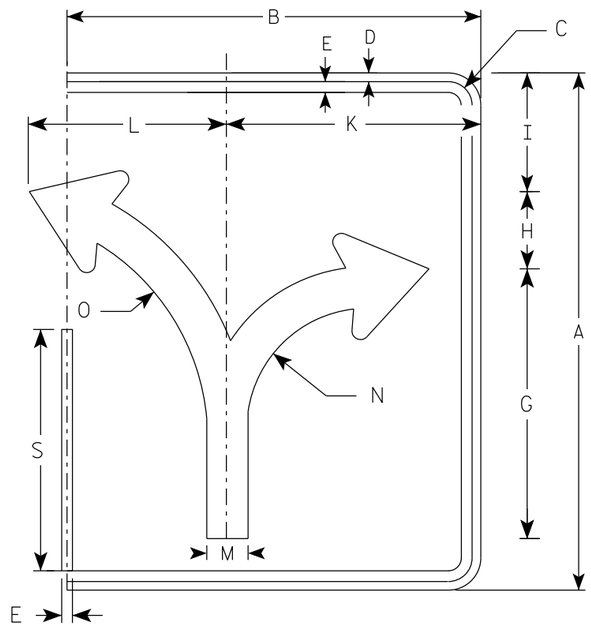
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



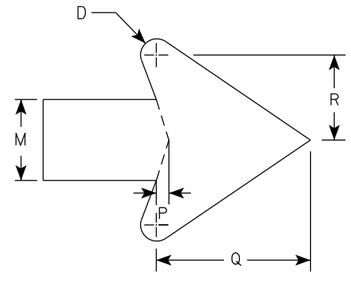
(C)



(C)



(C)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

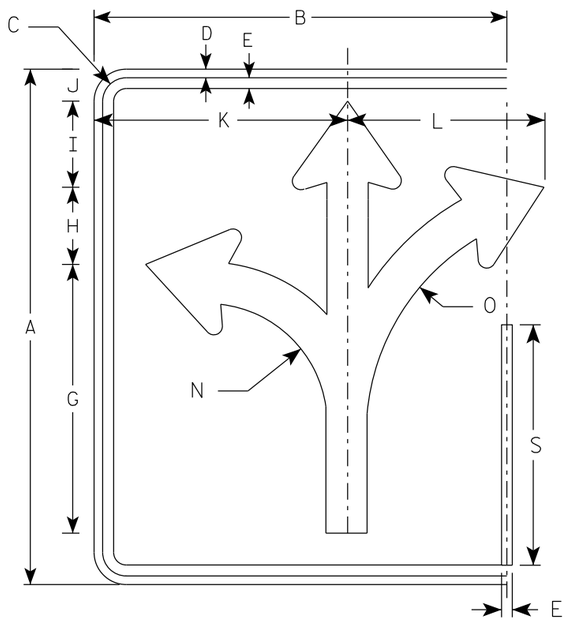
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

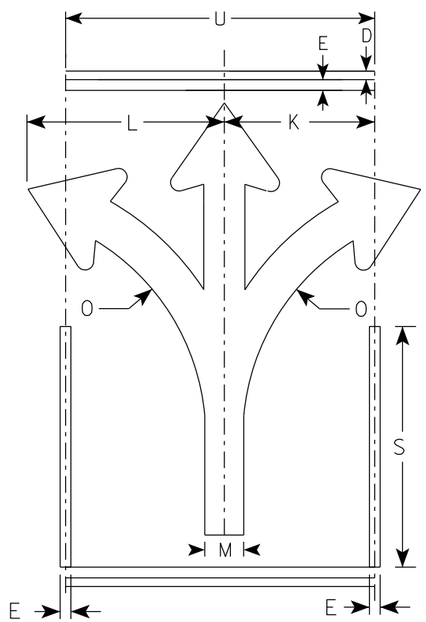
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 323 | E

NOTES

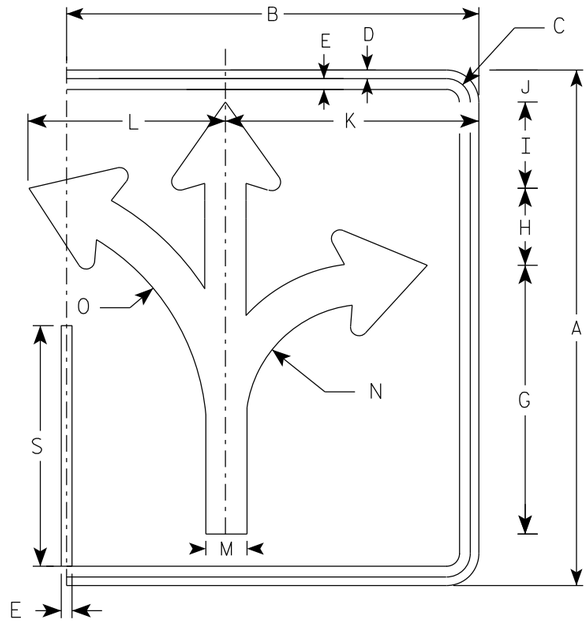
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



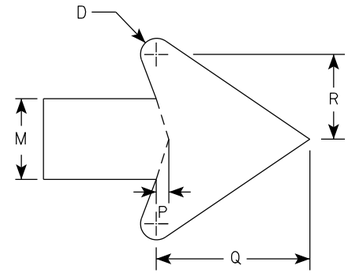
(D)



(D)



(D)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

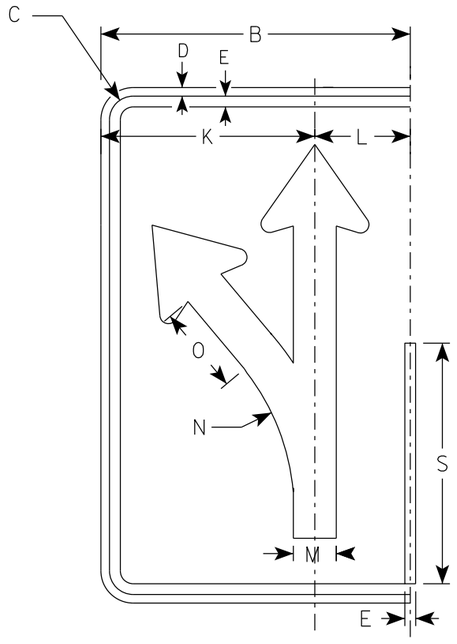
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

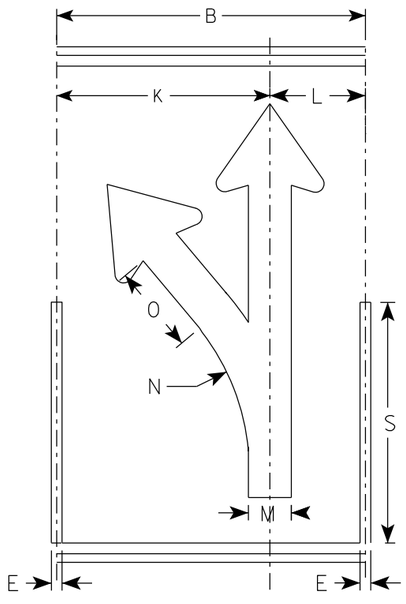
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 324 | E

NOTES

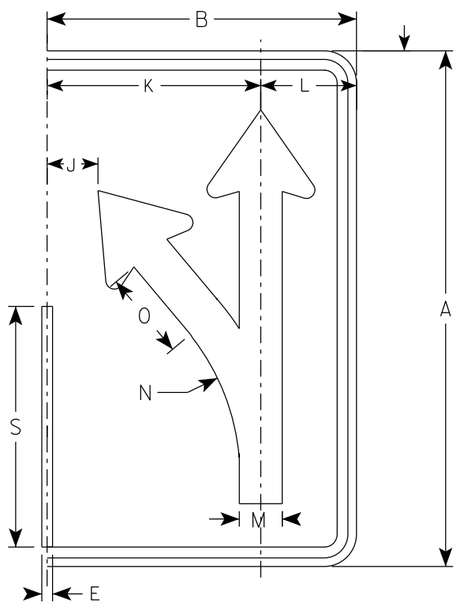
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



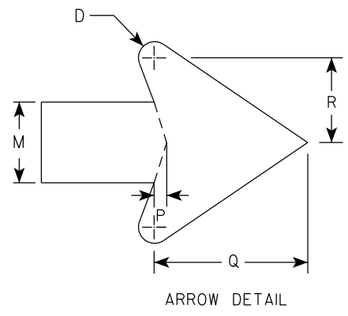
(E)



(E)



(E)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

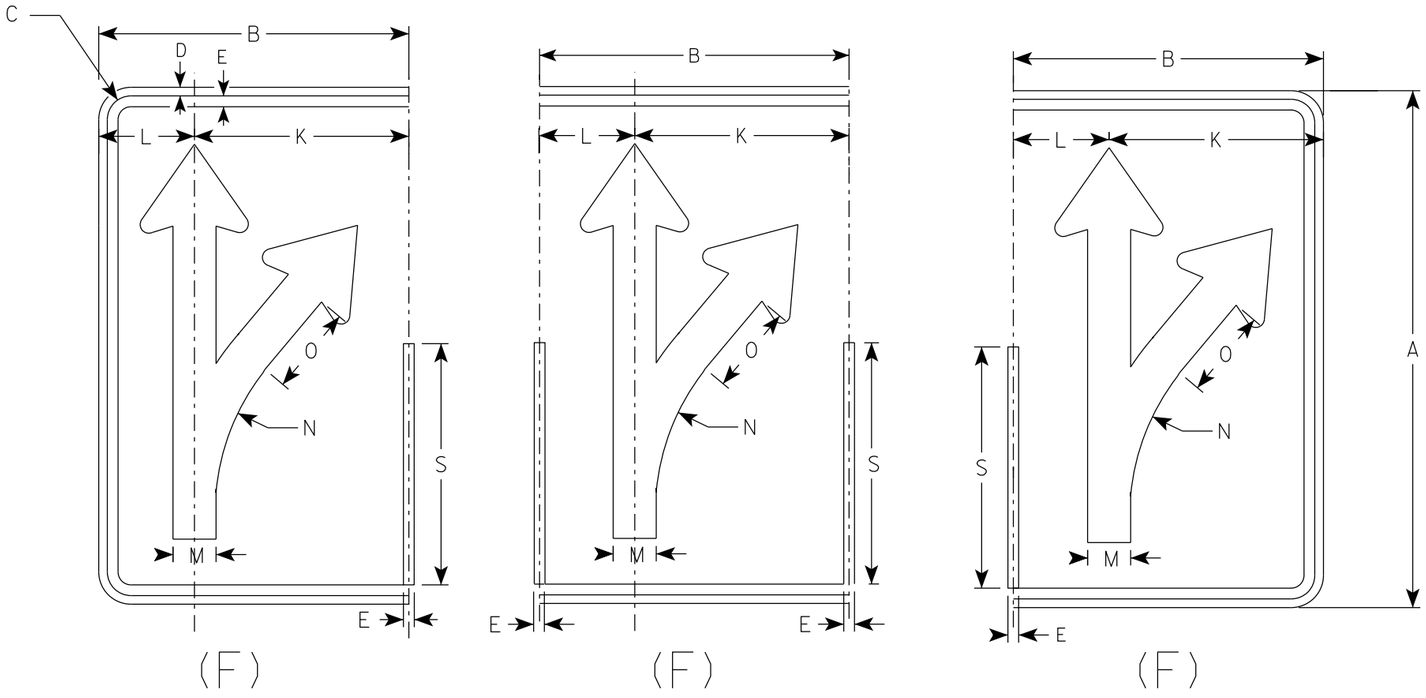
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

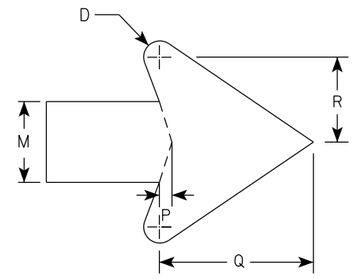
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 325 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(F) (F) (F)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

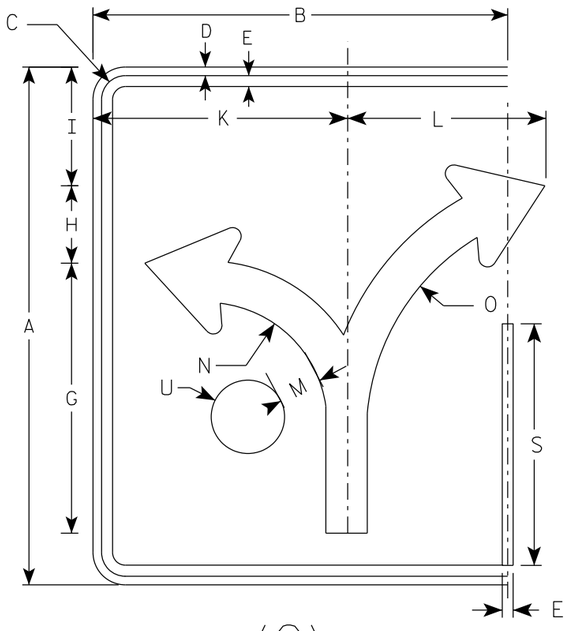
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

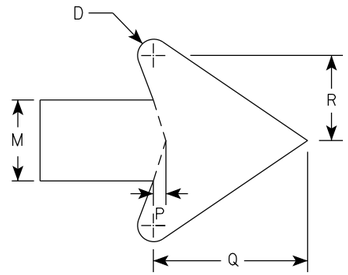
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 326 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

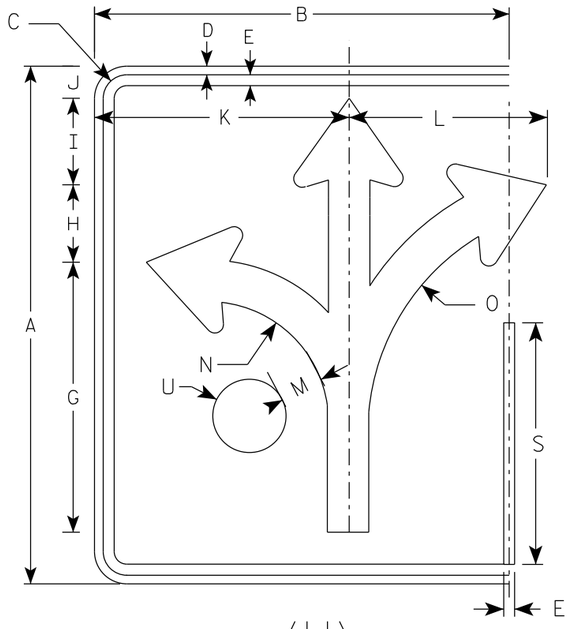
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 327 | E

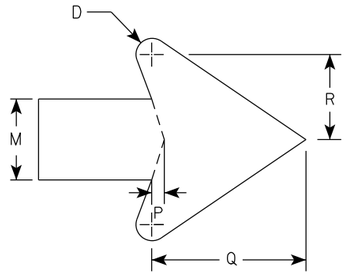
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 21-MAY 2019 4:38 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

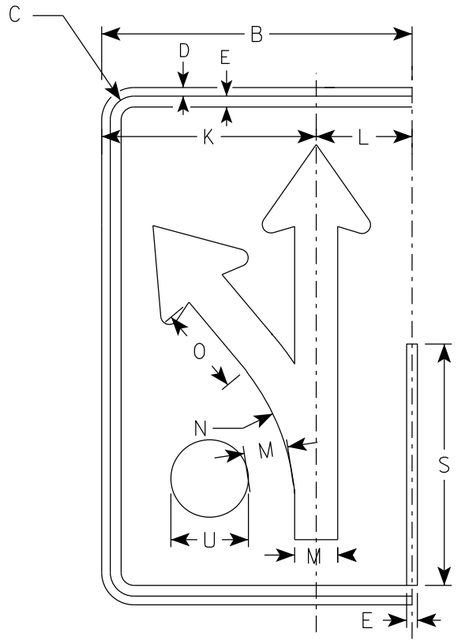
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

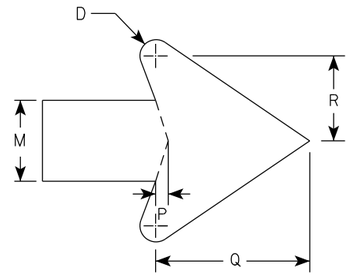
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 328	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

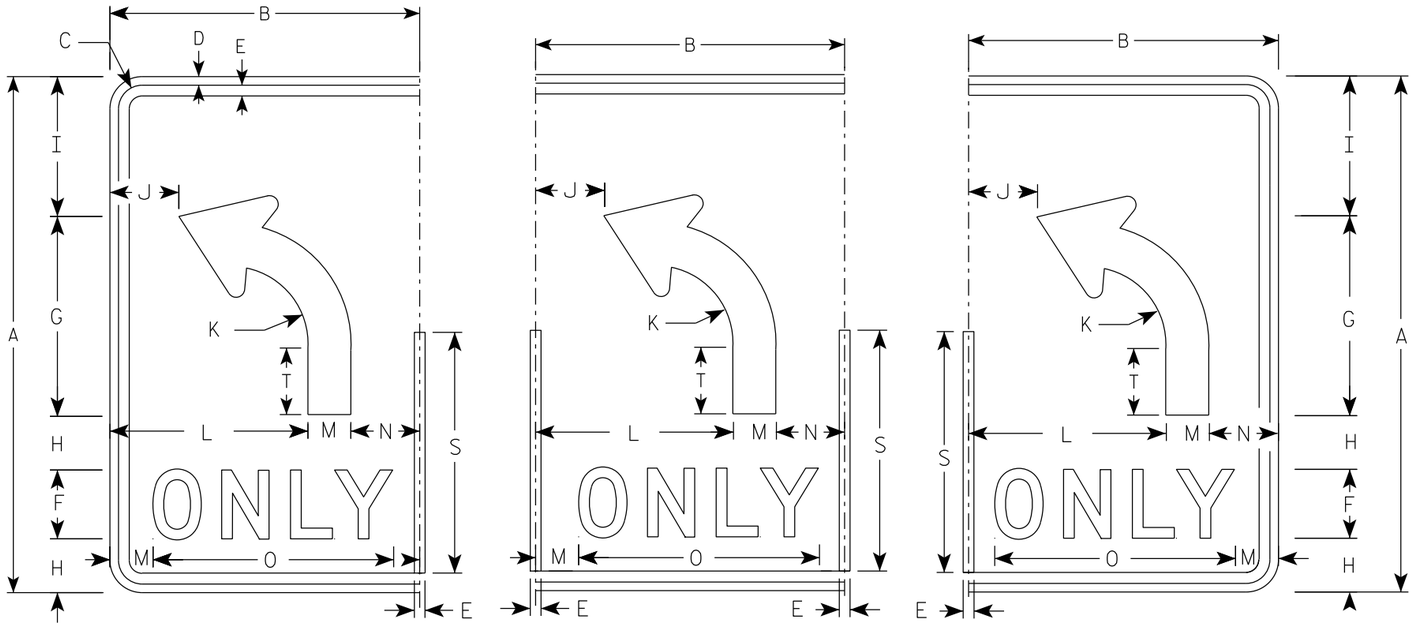
APPROVED Matthew R Rauch
For State Traffic Engineer

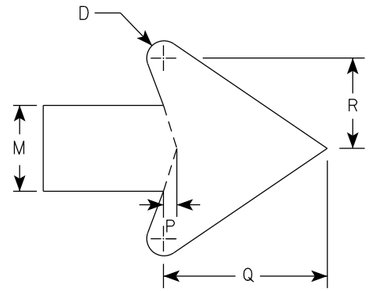
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 329 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D





ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4		5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

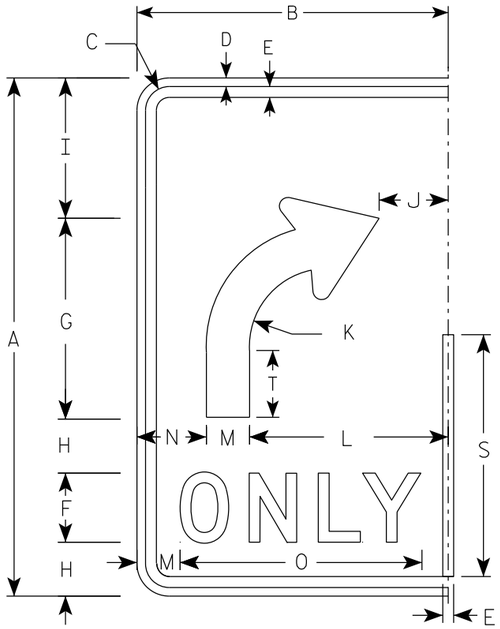
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

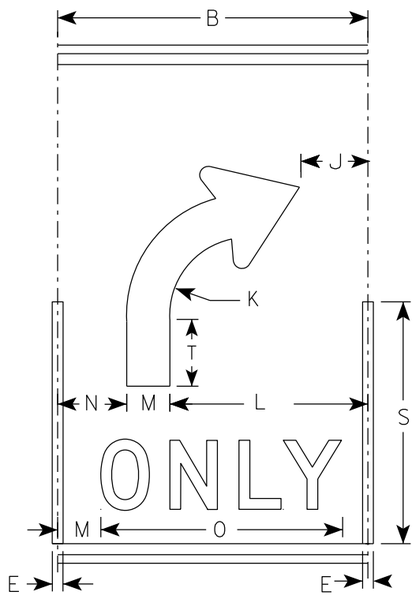
SHEET NO: 330 E

NOTES

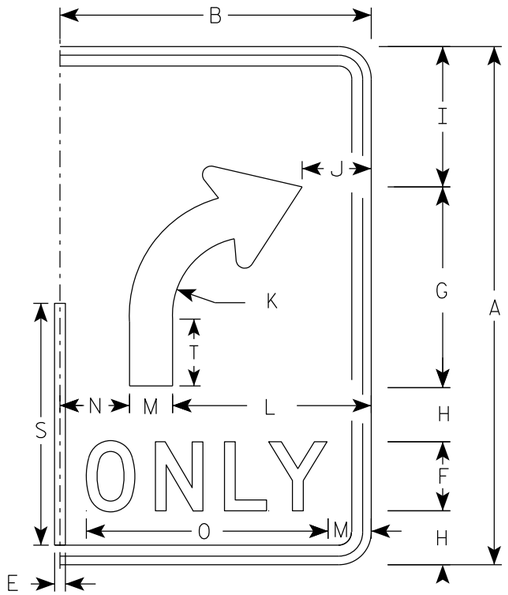
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



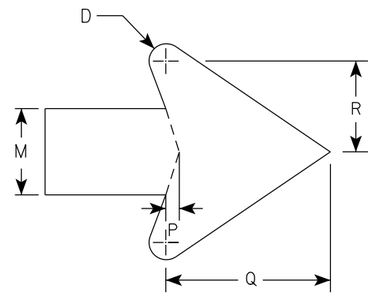
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

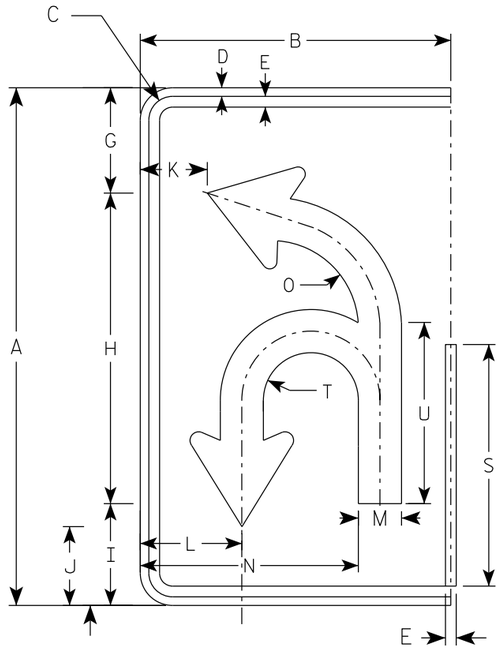
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

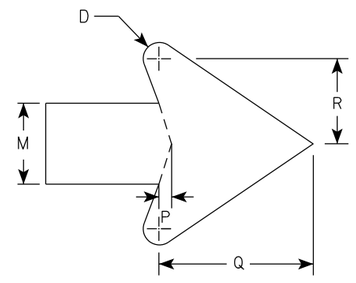
SHEET NO: 331 **E**

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(U)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

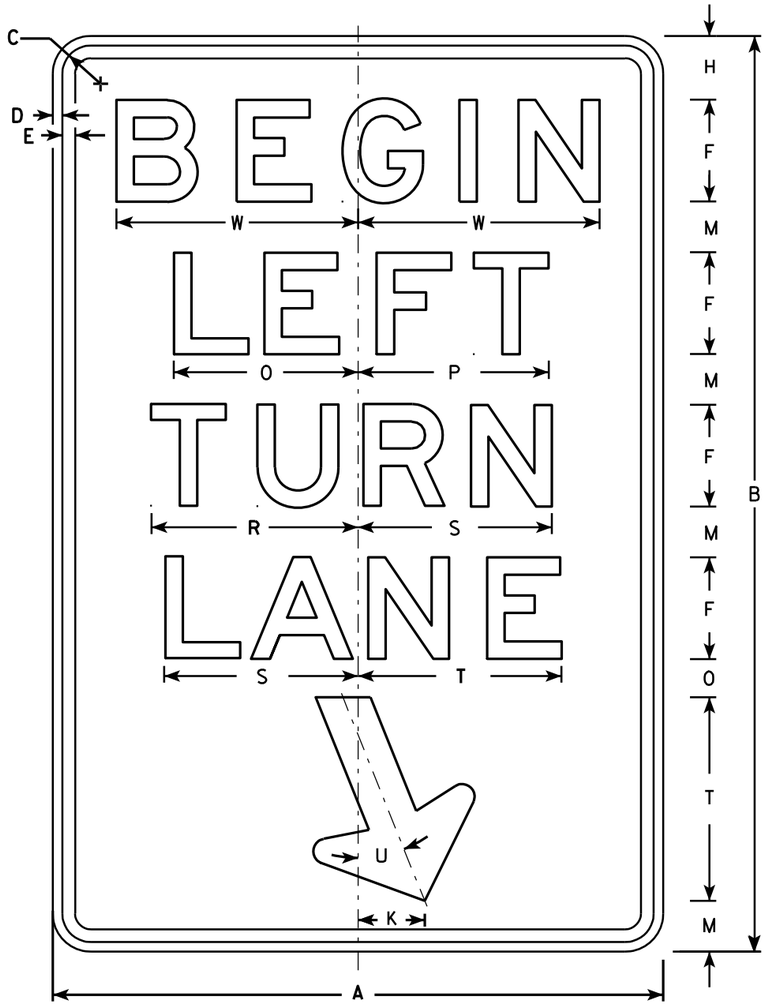
STANDARD SIGN
R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

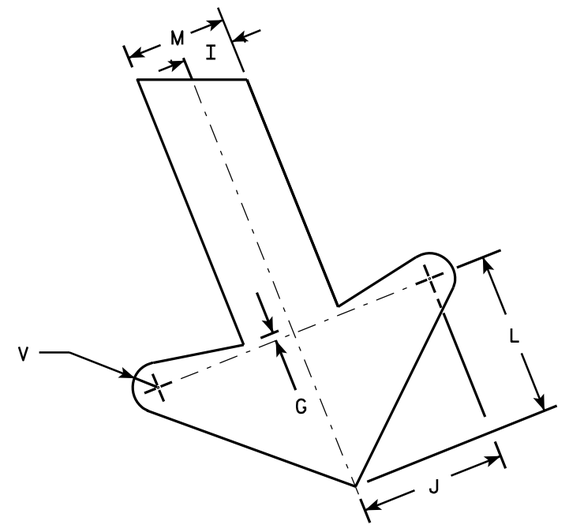
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 332 | E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



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	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

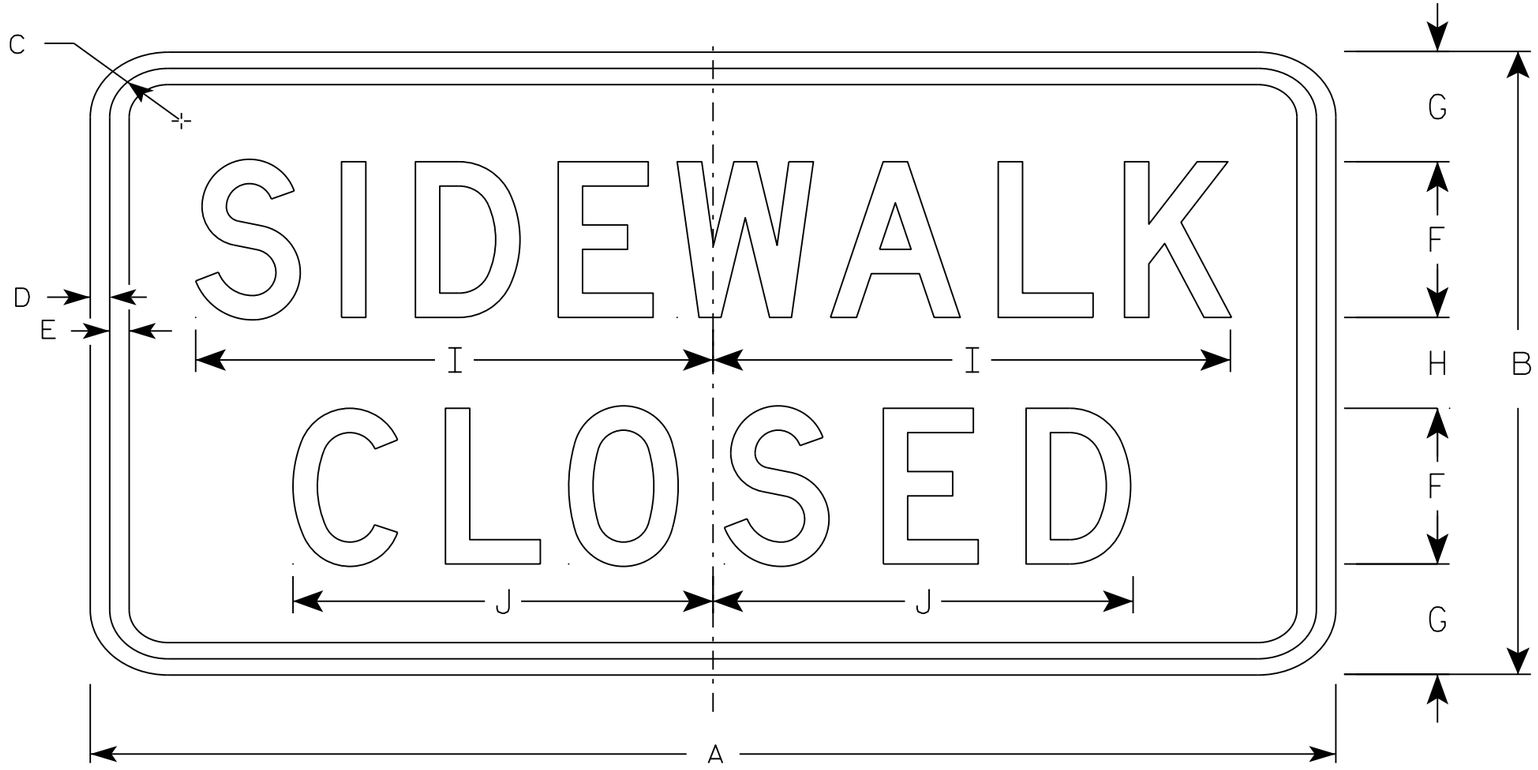
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 333 | E



R9-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

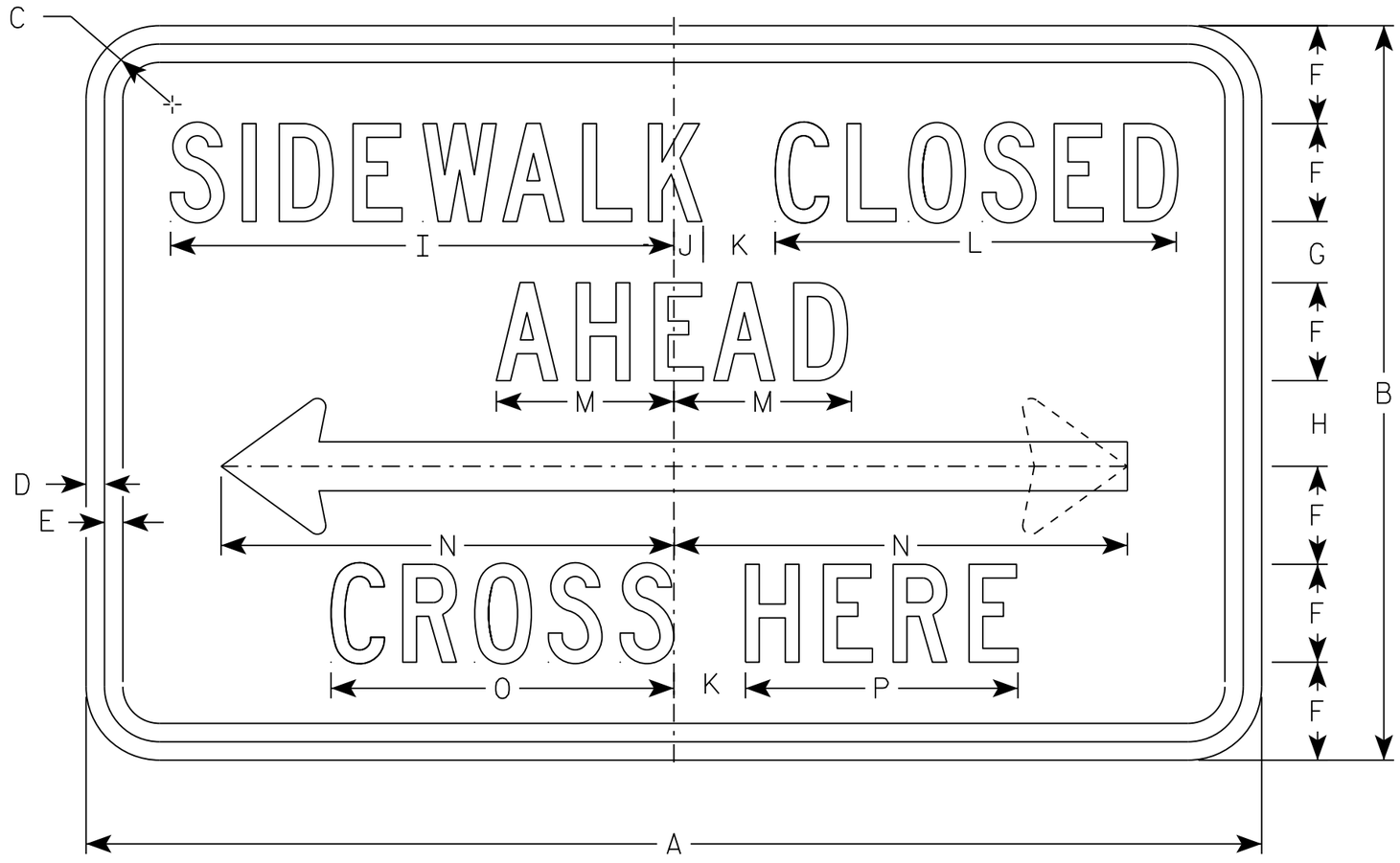
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

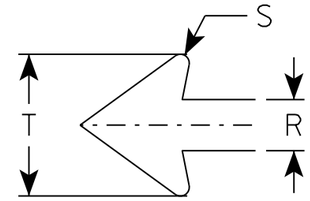
DATE 8/11/16 PLATE 334 R9-9.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000



R9-11



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C except Size 1 is Series D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
2M	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
3	30	15	1 1/8	3/8	1/2	2	1 1/2	1 1/2	13	3/4	2	10 1/4	4 5/8	12 3/8	8 7/8	6 7/8		1 1/4	1/4	3 5/8							3.125
4																											
5																											

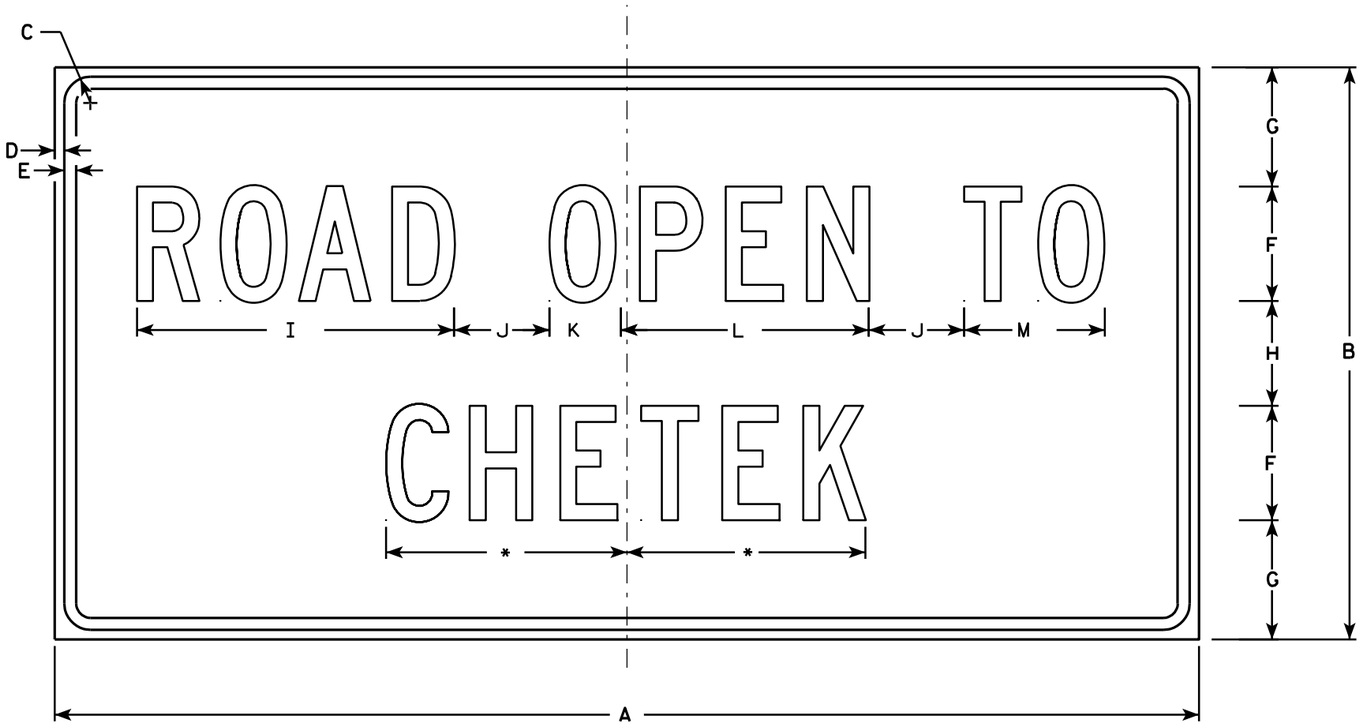
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R9-11.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 335	E



R10-61

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate message and optically balance.

*See note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	24	1 3/8	1/2	5/8	4	5 1/2	5	10 3/4	2	2 1/8	8 3/8	4 5/8														6.0
2S	60	30	1 3/8	1/2	5/8	6	6 1/4	5 1/2	16 5/8	5	3 3/4	13	7 3/8														12.5
2M	60	30	1 3/8	1/2	5/8	6	6 1/4	5 1/2	16 5/8	5	3 3/4	13	7 3/8														12.5
3																											
4																											
5																											

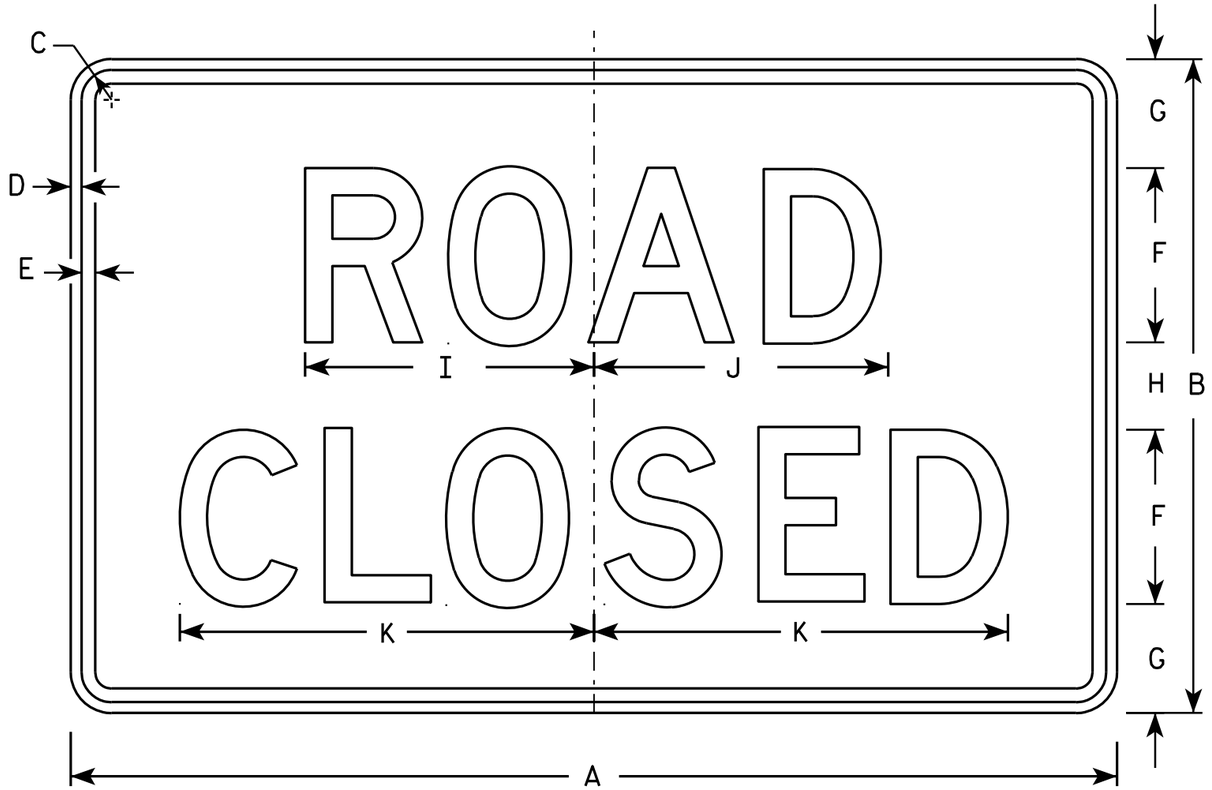
STANDARD SIGN
R10-61

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/4/11 PLATE NO. R10-61.5

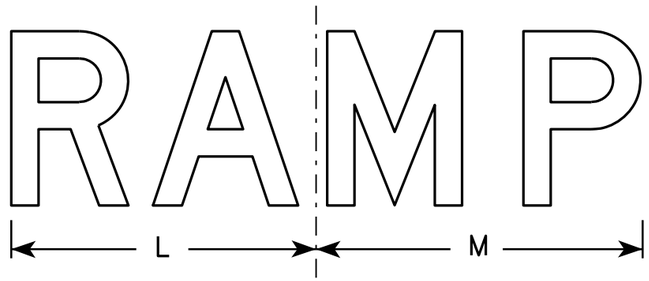
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 336	E



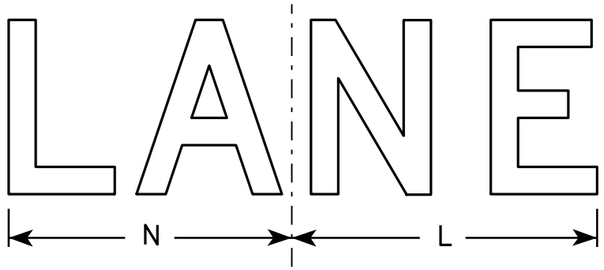
R11-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

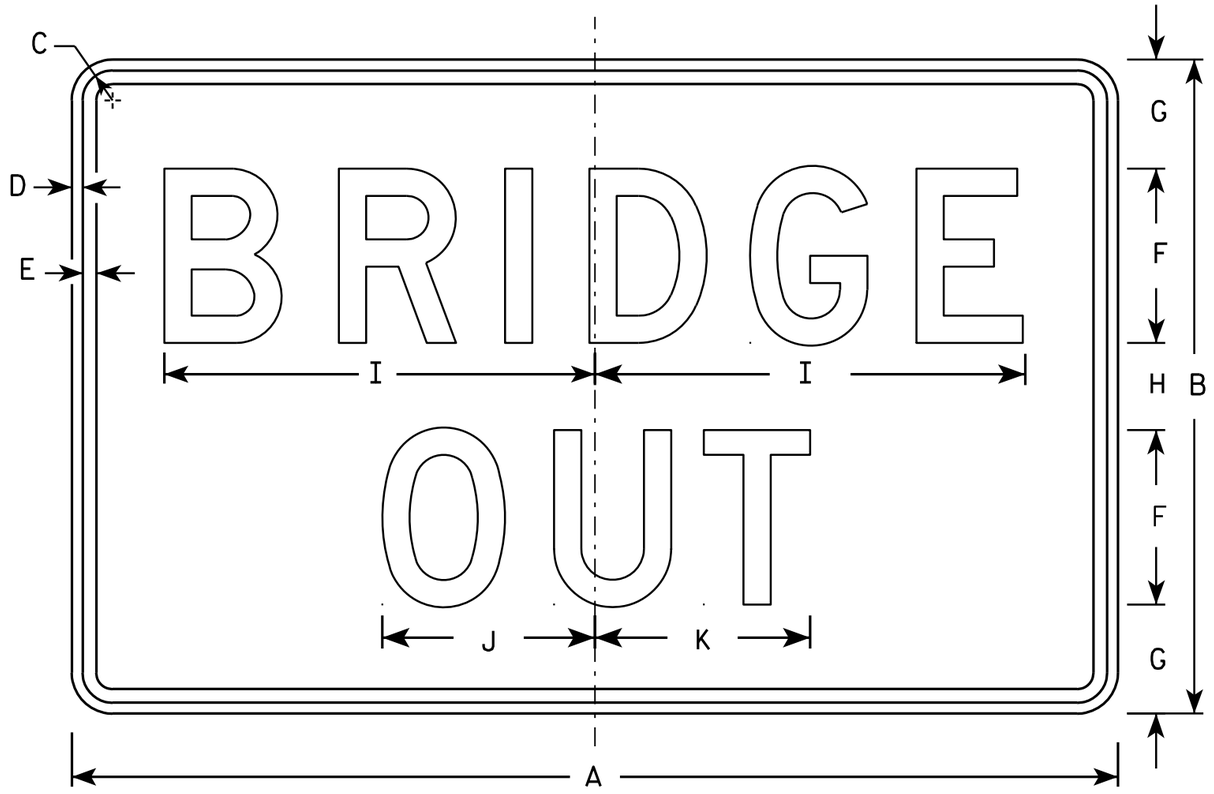
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 337 | E



R11-2B

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0

STANDARD SIGN
R11-2B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2B.2

PROJECT NO:

SHEET NO: 338 E

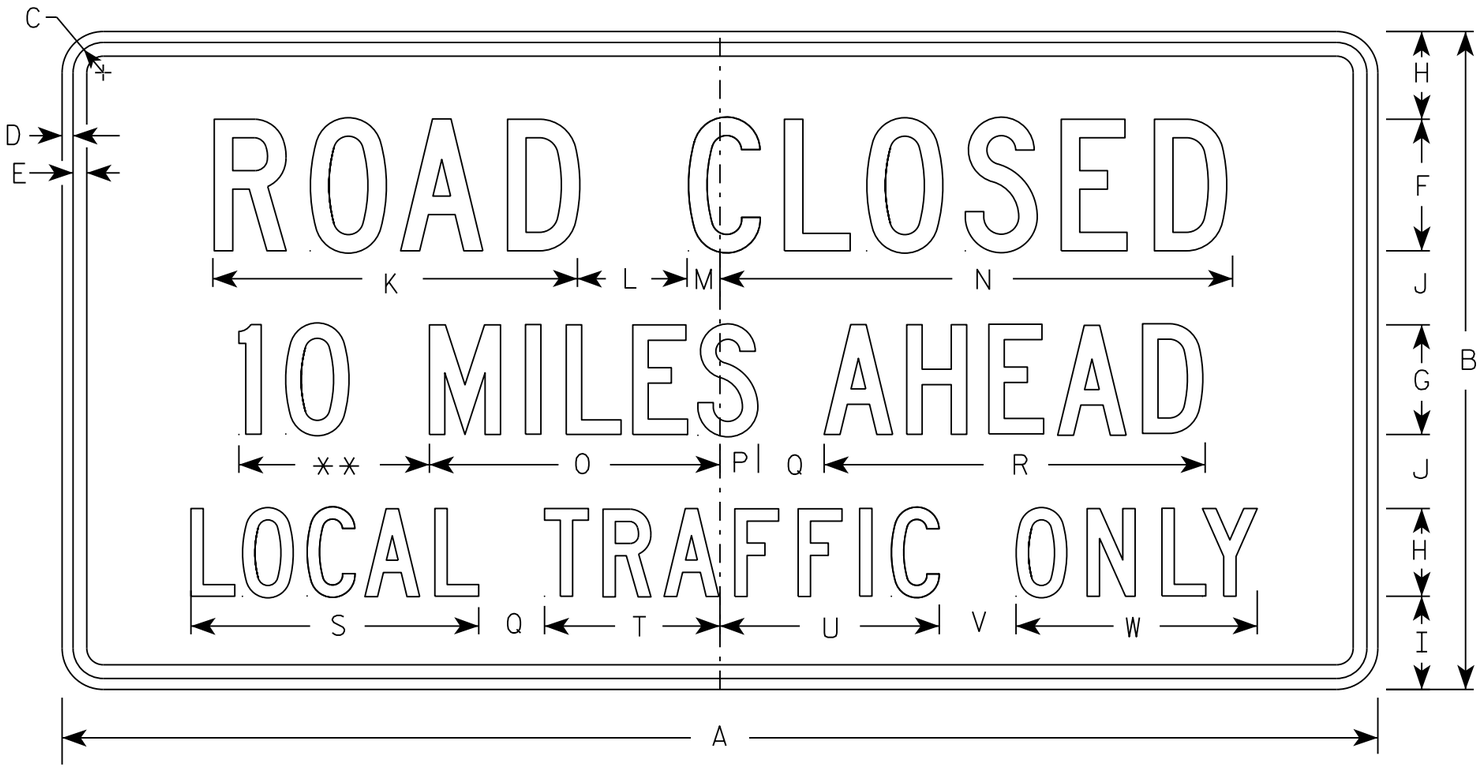
7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112B.DGN PLOT DATE : 01-APR-2011 14:23 PLOT BY : mscj9h

WISDOT/CADDS SHEET 42

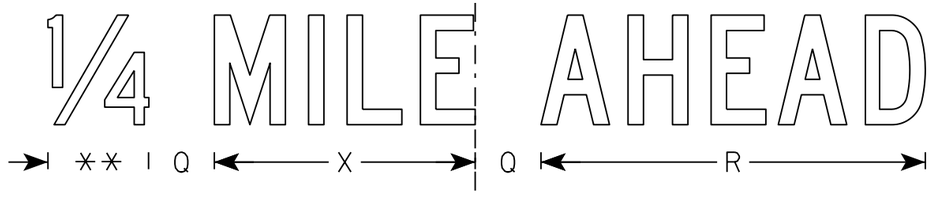
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** 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	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	11 1/8	3	1 1/8	15 1/4	8	1 1/2	2	10 3/4	8 3/8	4 3/4	6 1/2	2	6 3/4	7 1/8			4.5
2S	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
3																											
4																											
5																											

STANDARD SIGN
R11-3

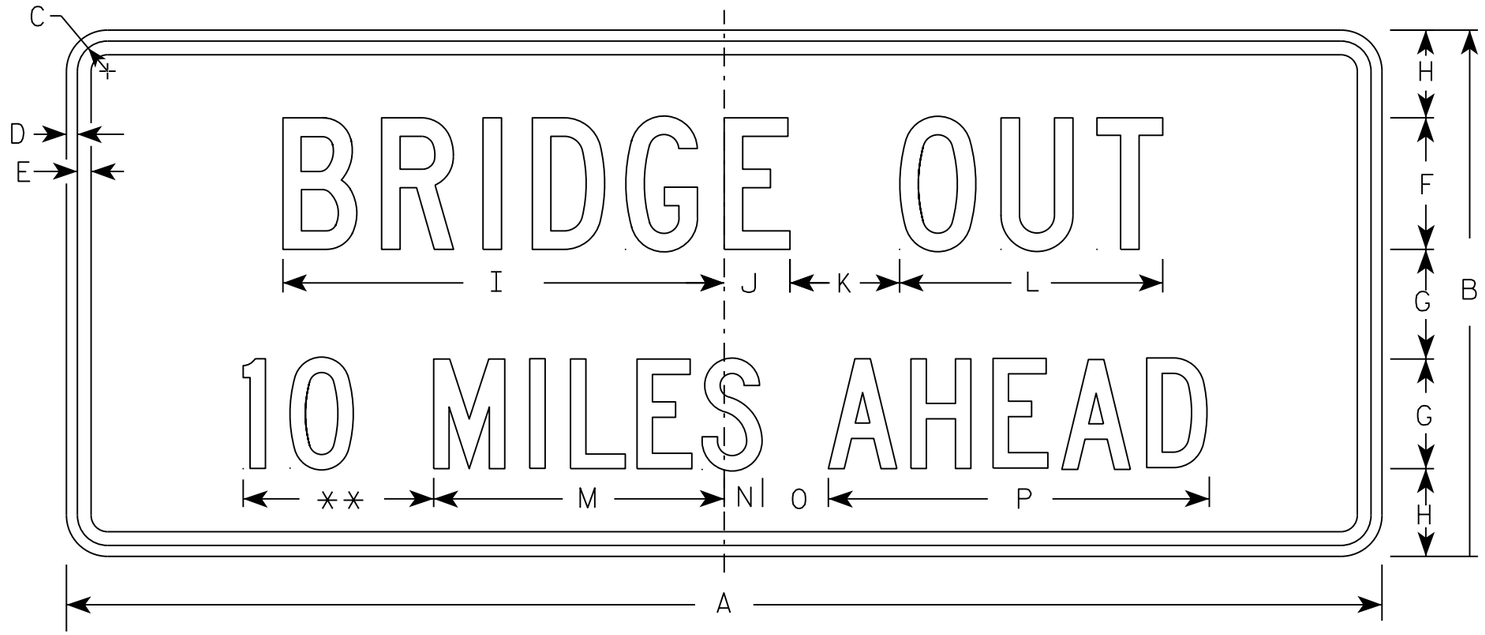
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/15/17 PLATE NO. R11-3.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 339	E

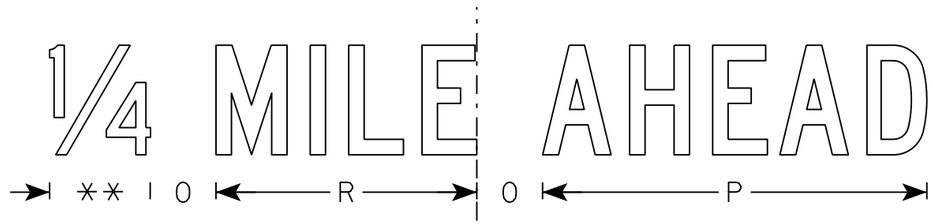
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3C

** See Note 5



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	15	1 3/8	1/2	5/8	4	3	2 1/2	13 1/4	2 1/4	3	8	8	1 1/2	2	10 3/4		7 1/8									3.75
2S	60	24	1 3/8	1/2	5/8	6	5	4	20 1/8	3	5	12	13 1/4	1 3/4	3	17 3/8		11 7/8									10.0
2M	60	24	1 3/8	1/2	5/8	6	5	4	20 1/8	3	5	12	13 1/4	1 3/4	3	17 3/8		11 7/8									10.0
3																											
4																											
5																											

STANDARD SIGN
R11-3C

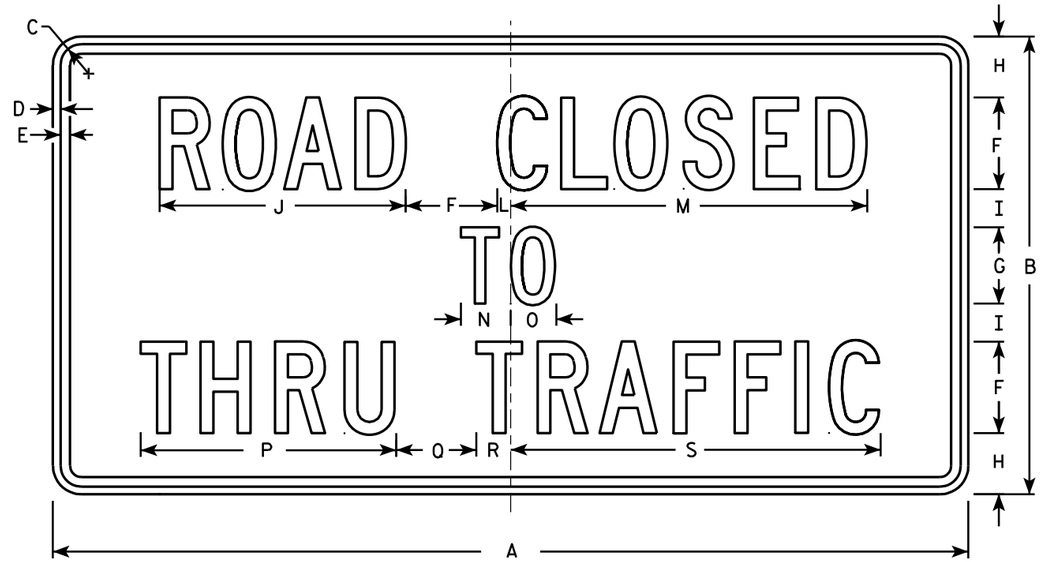
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/28/16 PLATE NO. R11-3C.3

PROJECT NO:

SHEET NO: 340 E



R11-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

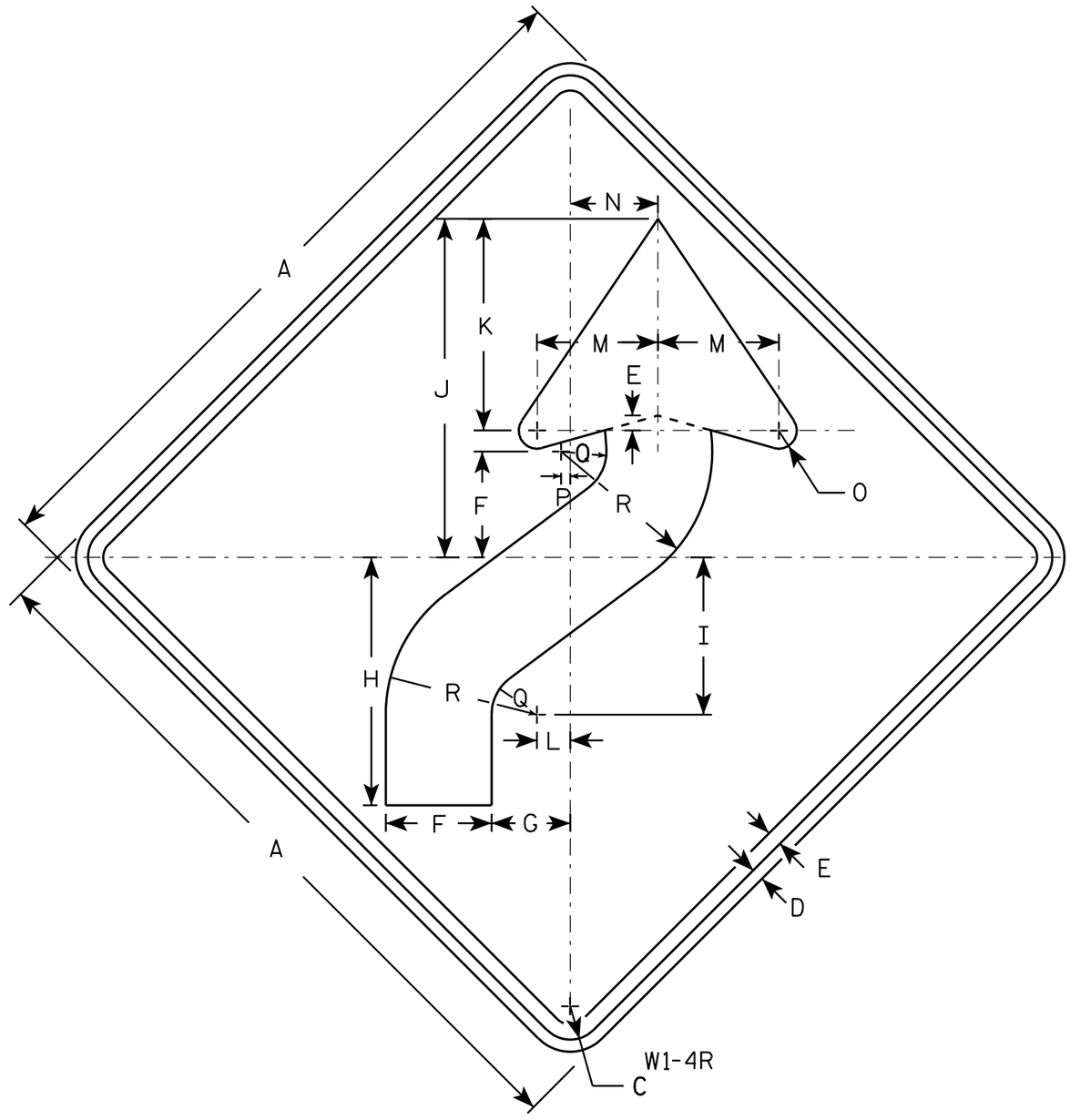
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 341 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R114.DGN PLOT DATE : 01-APR-2011 14:11 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000 WISDOT/CADDS SHEET 42



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W1-4L is the same as W1-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	3 1/2	2 5/8	8 1/4	5 1/4	11 1/4	7	1 1/8	4	3	5/8	1/4	1 1/2	5									4.0
2S	30		1 3/8	1/2	5/8	4 3/8	3 1/4	10 1/4	6 1/2	14	8 3/4	1 3/8	5	3 5/8	3/4	3/8	1 7/8	6 1/4									6.25
2M	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
3	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
4	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

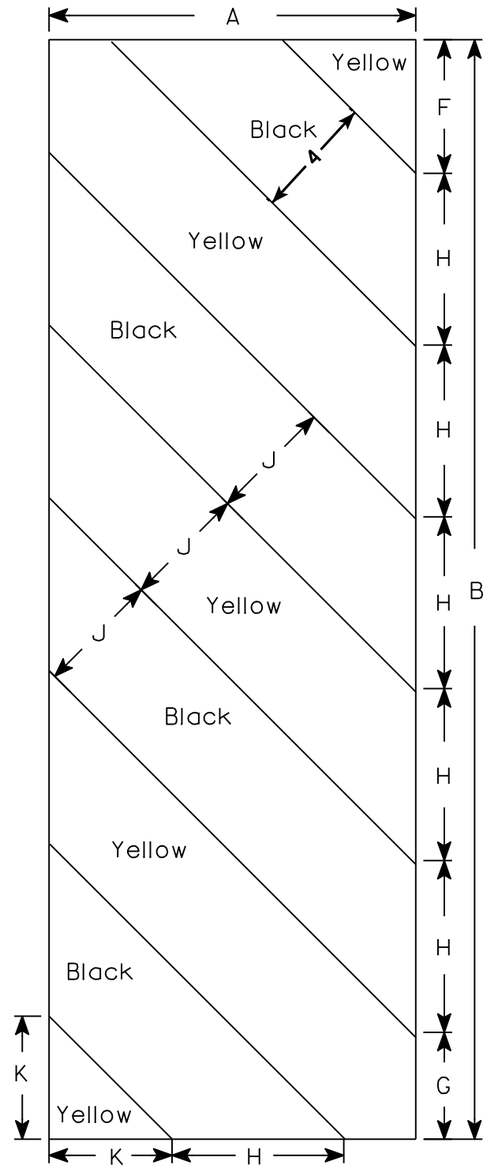
STANDARD SIGN
W1-4

WISCONSIN DEPT OF TRANSPORTATION

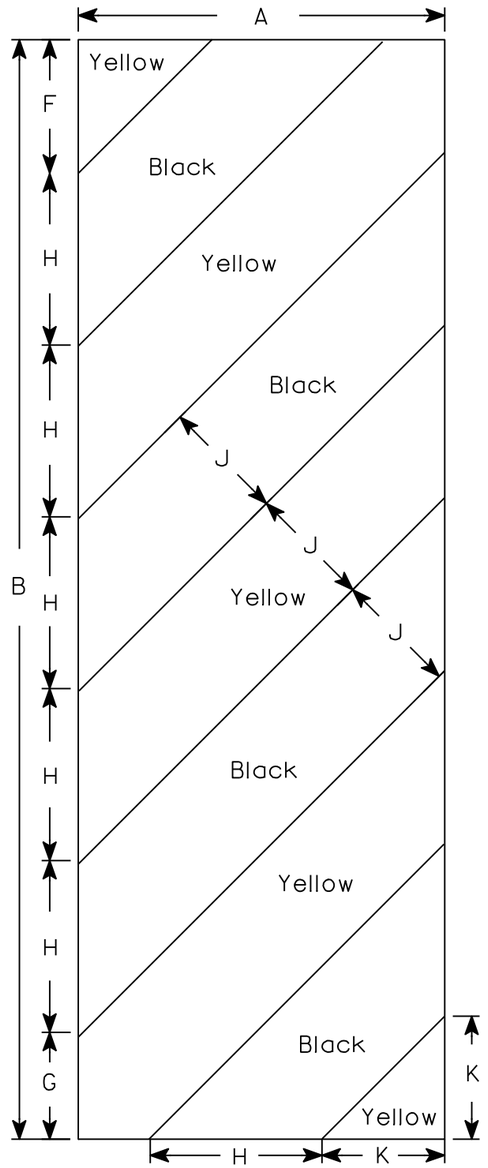
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/17/12 PLATE NO. W1-4.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 342 | E



W5-52L



W5-52R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Alternate colors of stripes as shown.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

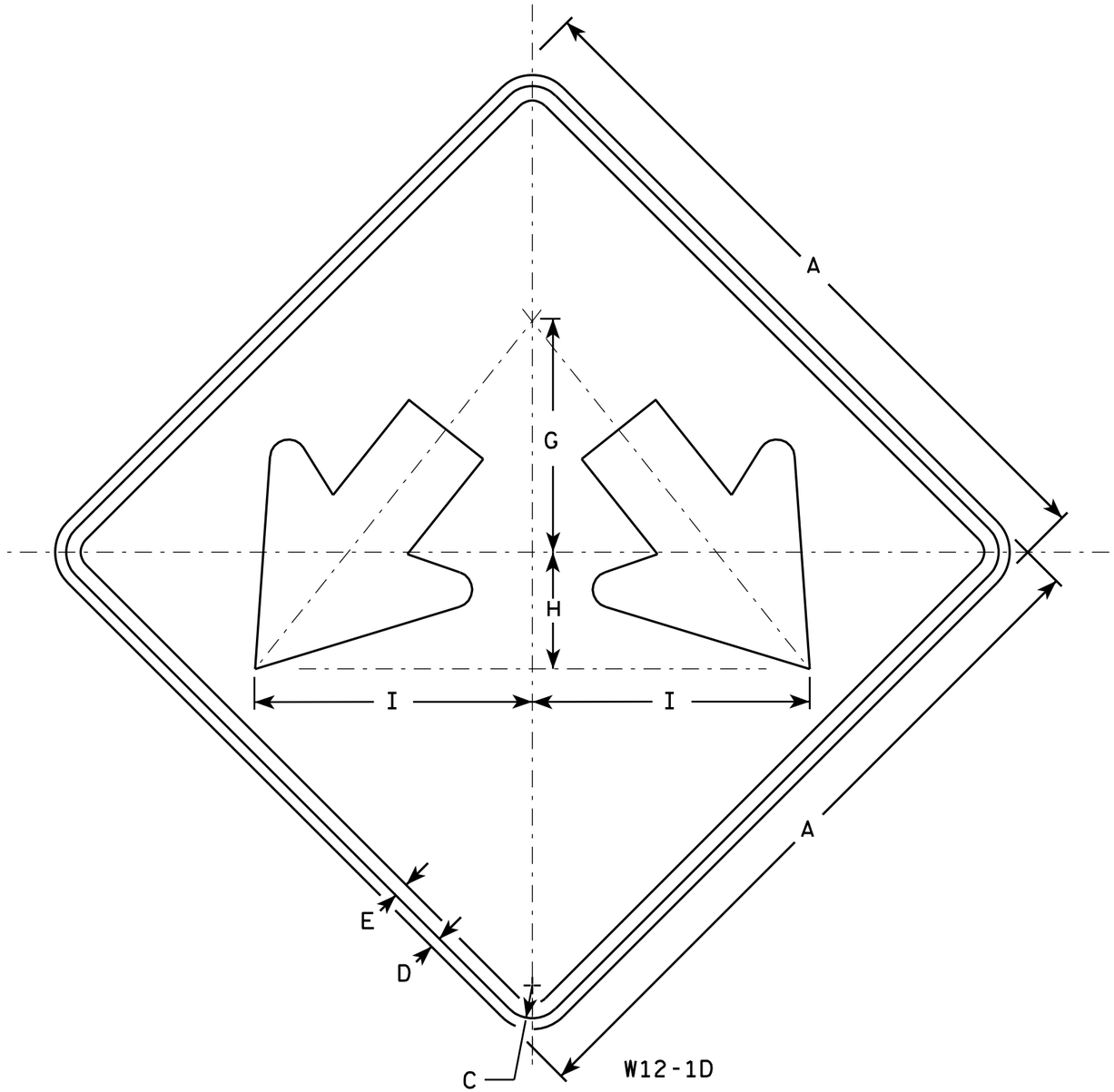
W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

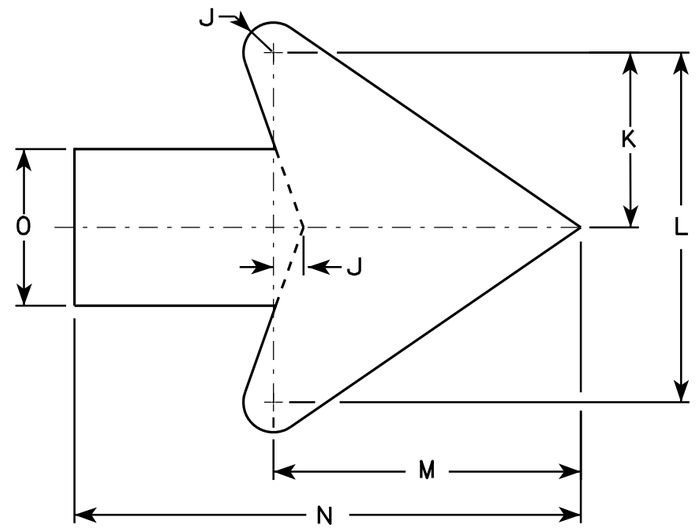
DATE 5/29/12 PLATE NO. W5-52.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 343	E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



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	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15

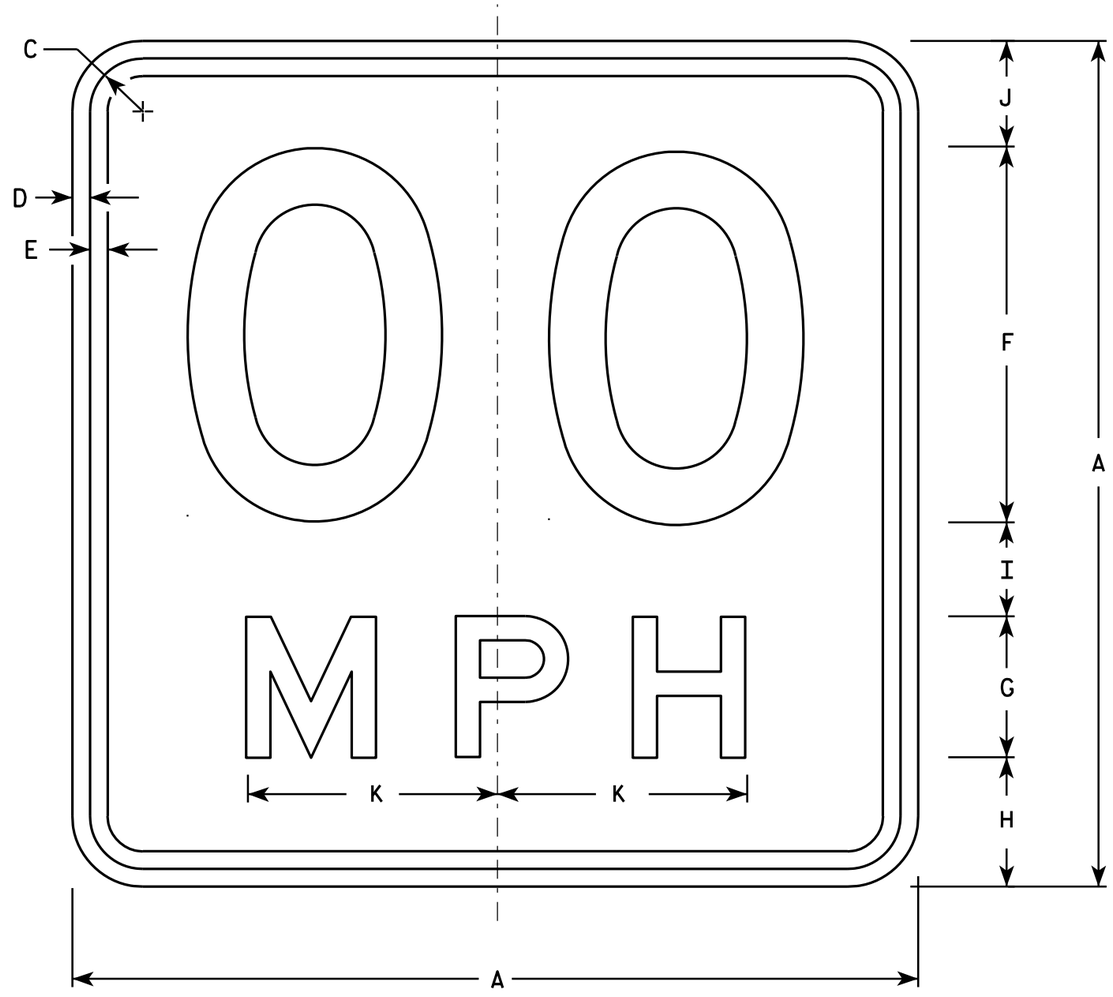
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 344	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W121D.DGN PLOT DATE : 13-MAR-2013 13:26 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 4.713802:1.000000

WISDOT/CADDS SHEET 42

7

7



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

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 - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

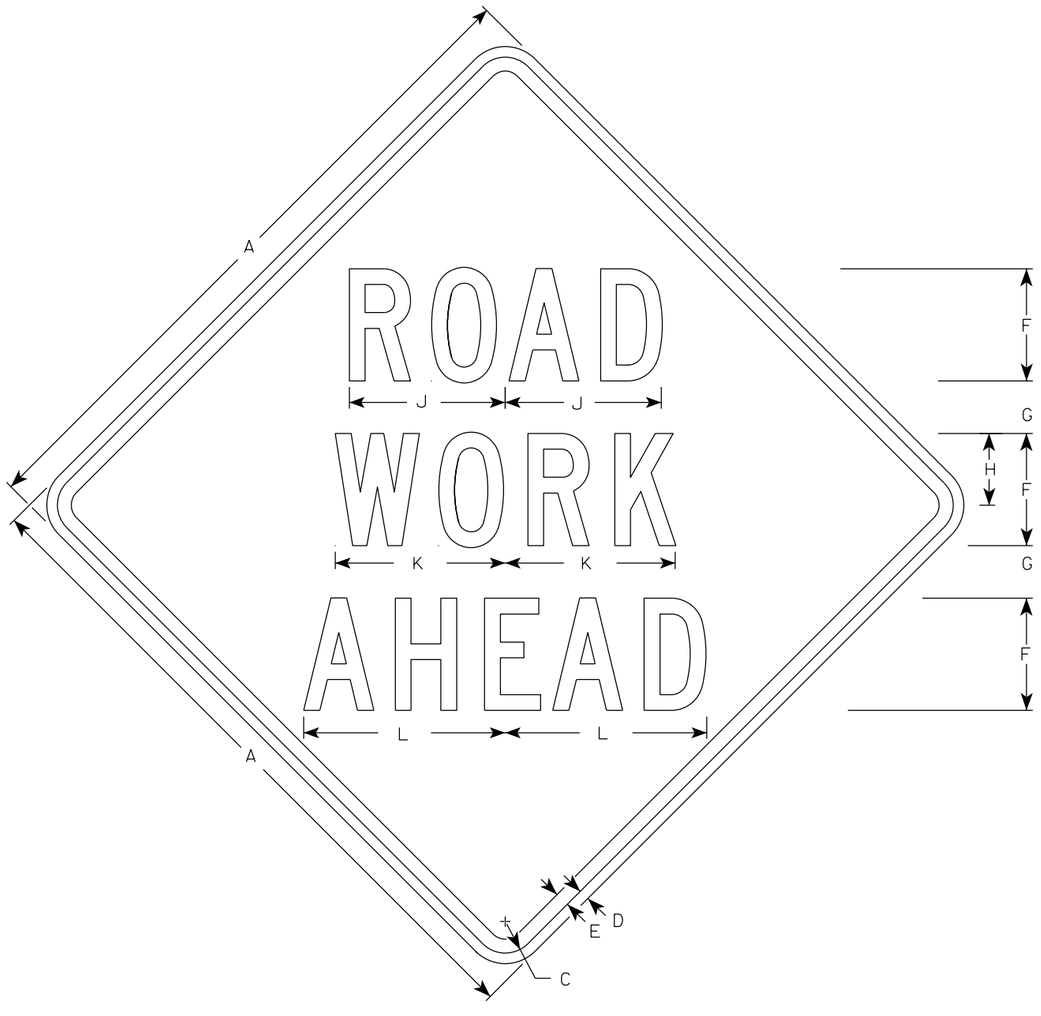
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

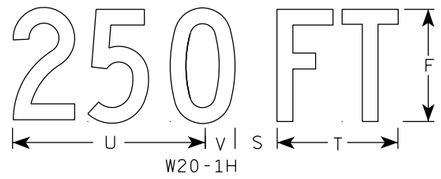
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

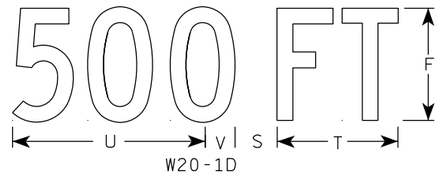
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 345 | E



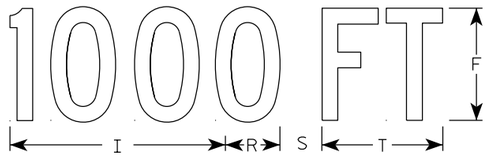
W20-1A



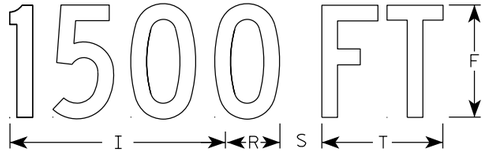
W20-1H



W20-1D



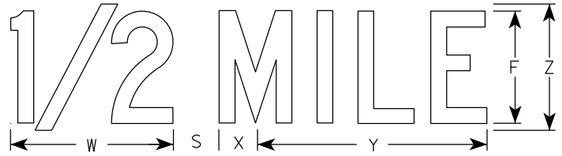
W20-1C



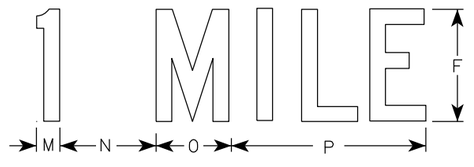
W20-1B

NOTES

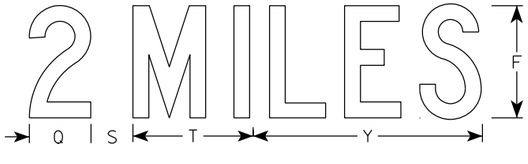
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	1/2	5/8	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9		2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, F & G

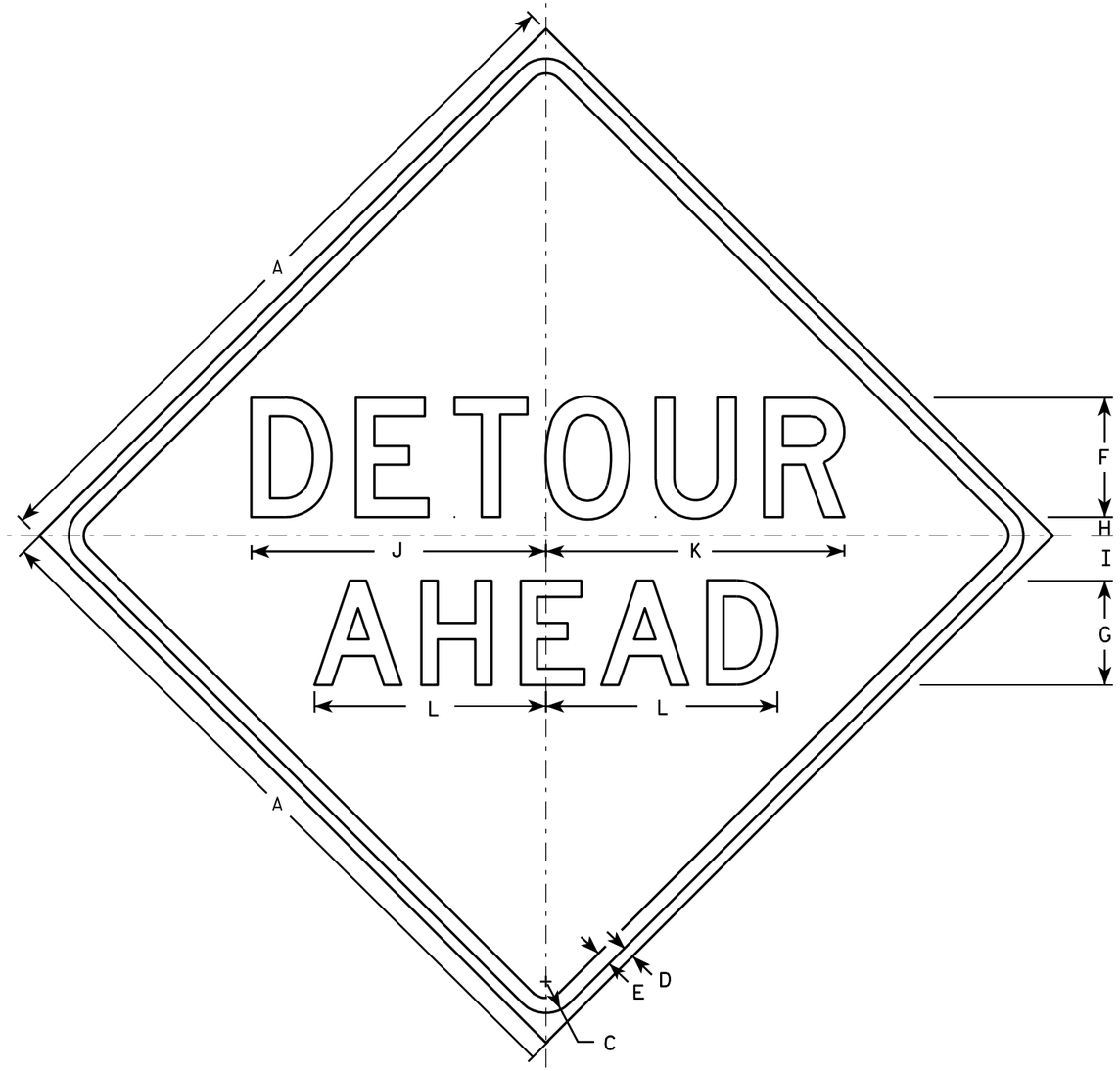
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

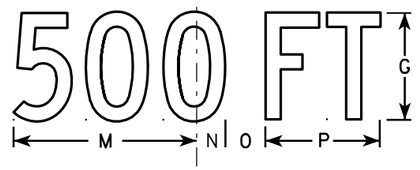
DATE 9/25/19 PLATE NO. W20-1.11

PROJECT NO:

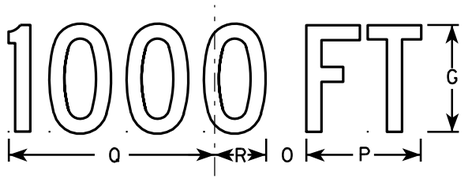
SHEET NO: 346 E



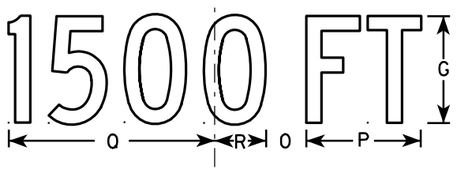
W20-2A



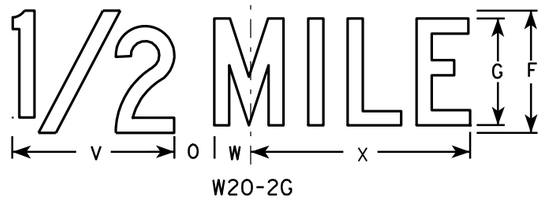
W20-2D



W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

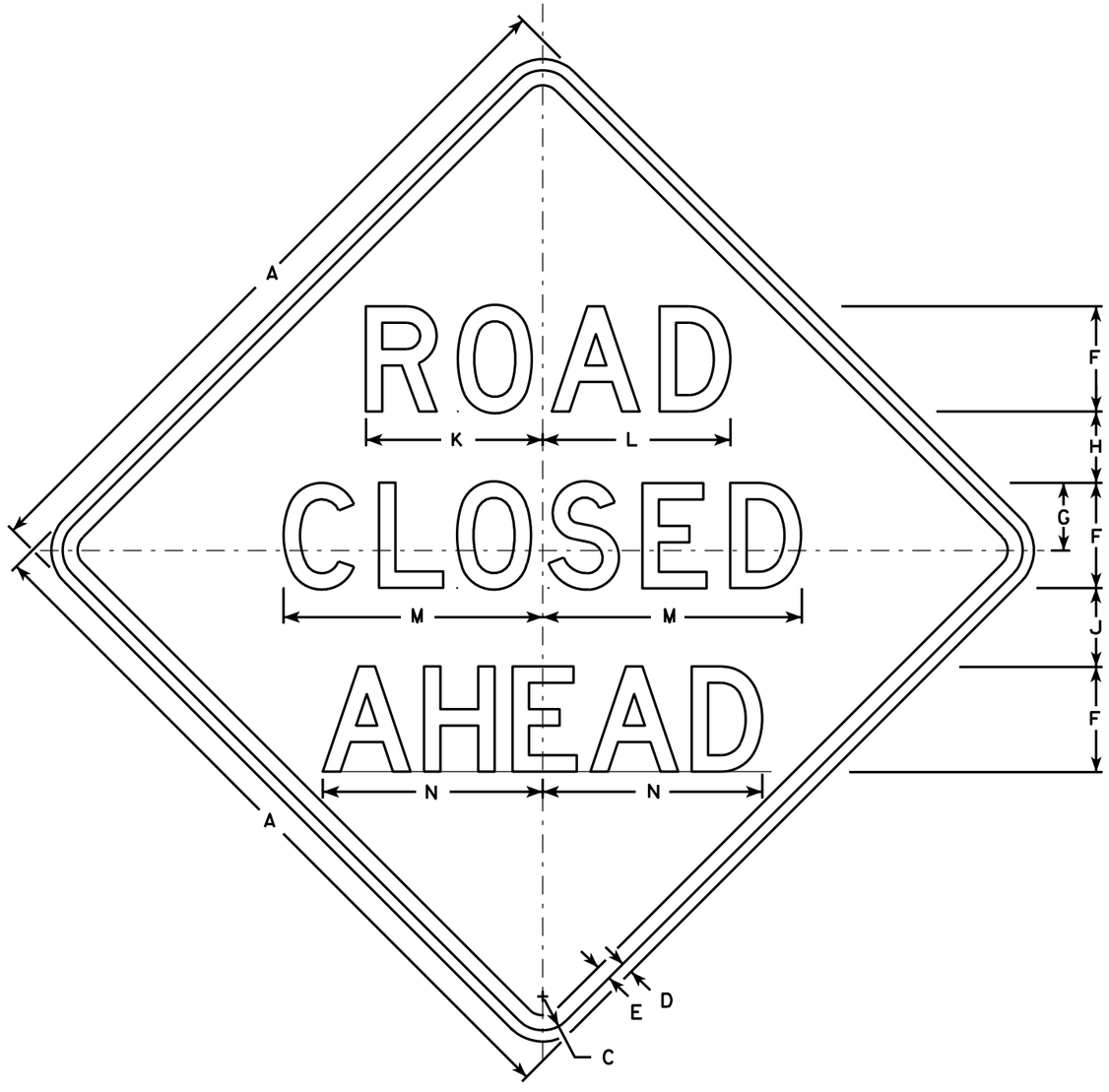
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

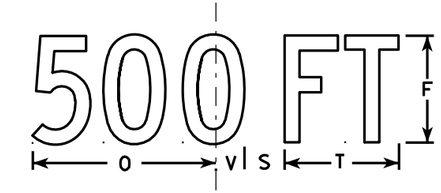
DATE 3/18/11 PLATE NO. W20-2.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 347 | E

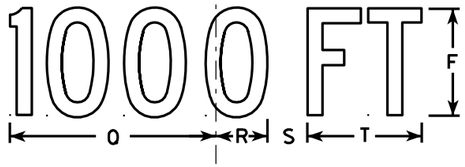
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W202.DGN PLOT DATE : 18-MAR-2011 10:00 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



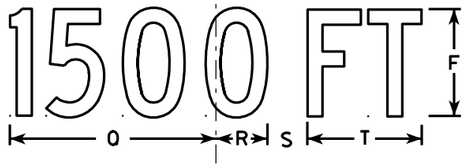
W20-3A



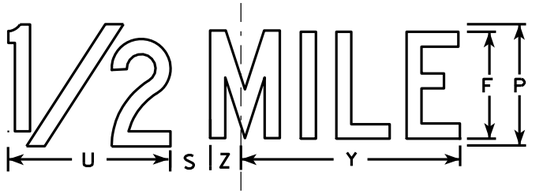
W20-3D



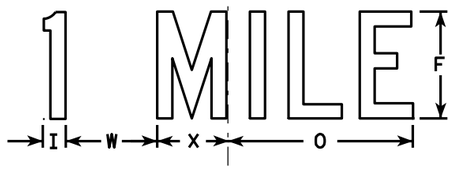
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 348 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000

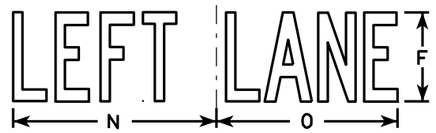
WISDOT/CADDS SHEET 42

7

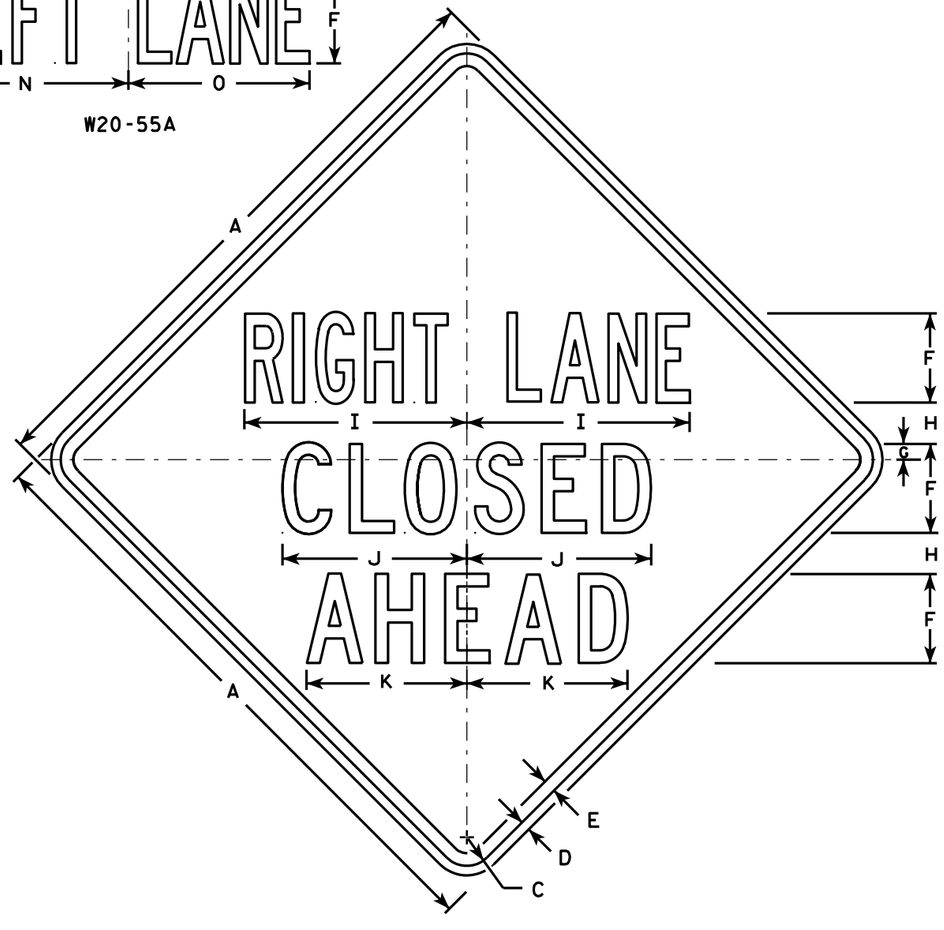
7



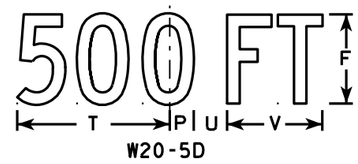
W20-56A



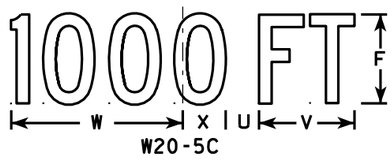
W20-55A



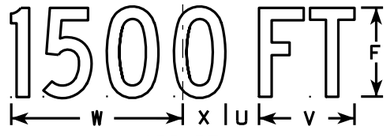
W20-5A



W20-5D



W20-5C



W20-5B



W20-5G



W20-5F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

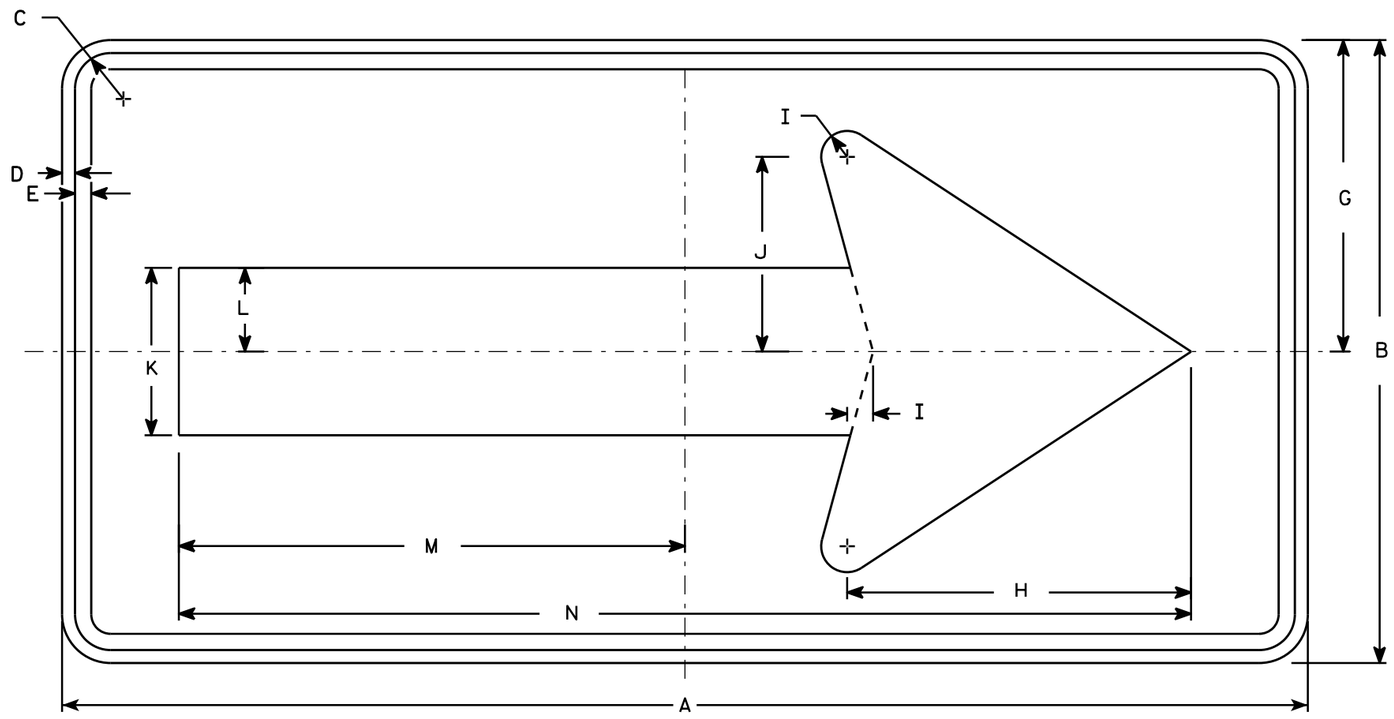
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 349 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

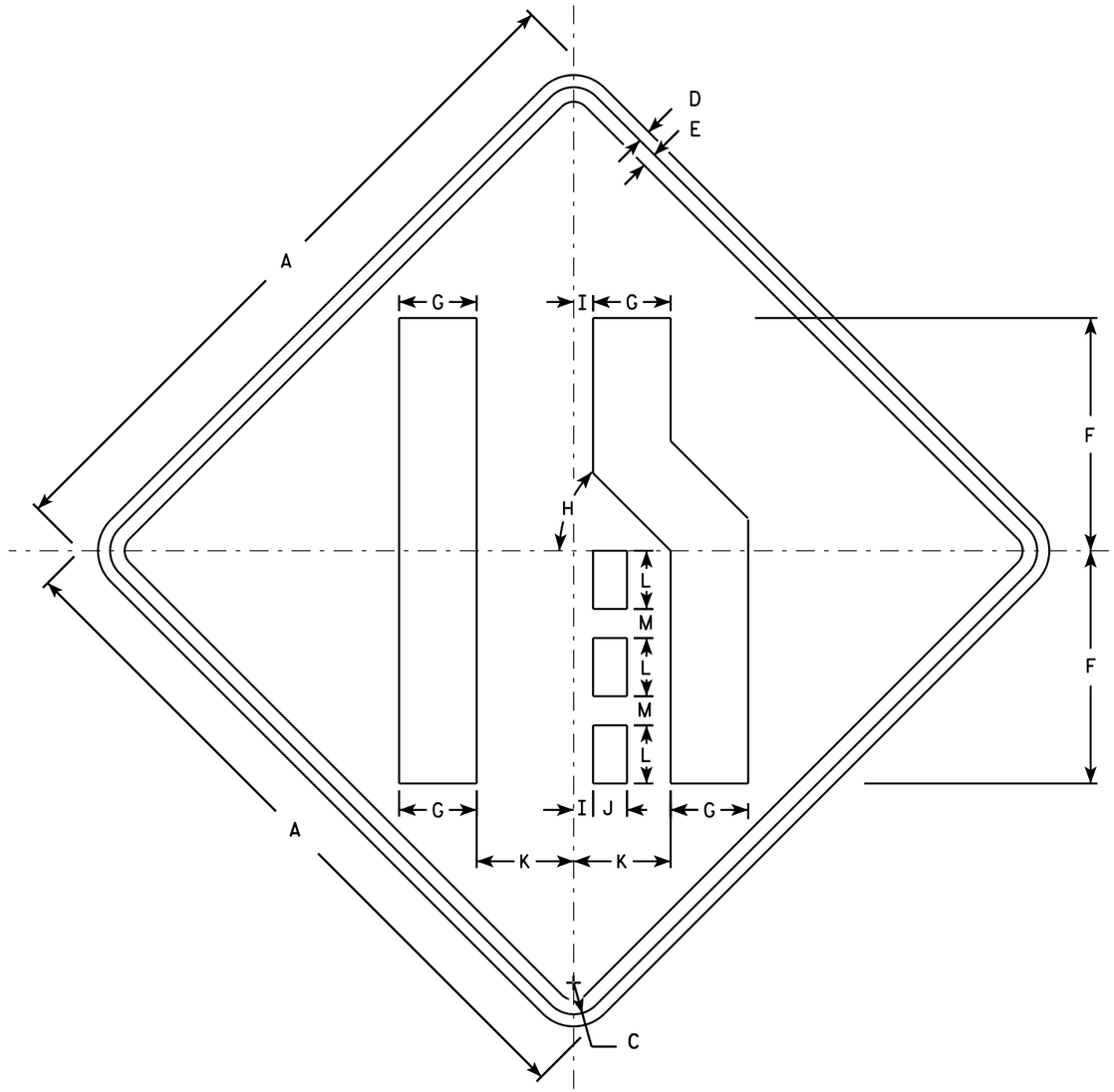
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE W01-6.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W04-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W04-2

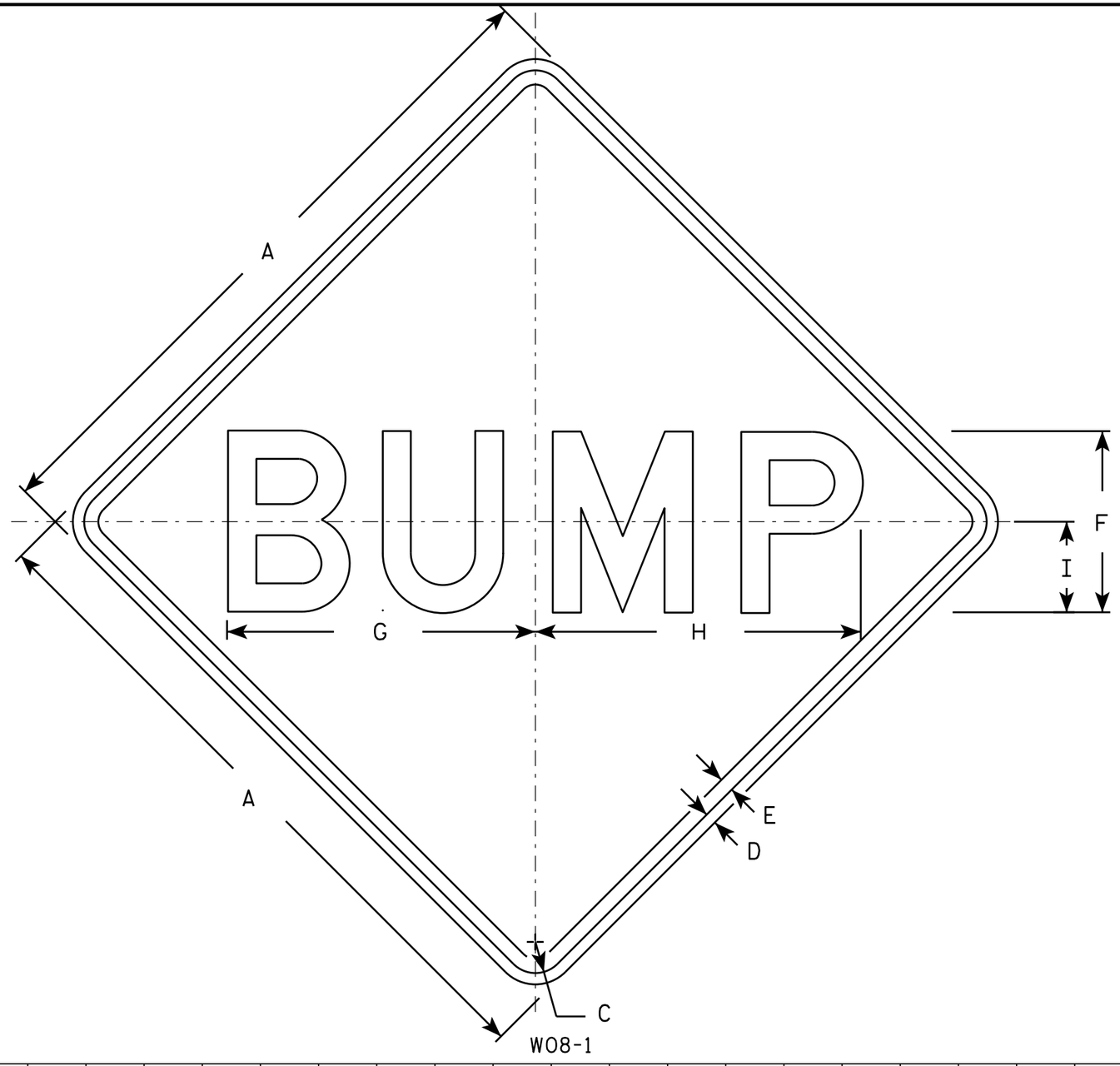
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 351 W04-2.1

PROJECT NO:

SHEET NO: E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	10	16 7/8	17 7/8	5																		9.0
2S	48		2 1/4	3/4	1	12	20 3/8	21 5/8	6																		16.0
2M	48		2 1/4	3/4	1	12	20 3/8	21 5/8	6																		16.0
3	48		2 1/4	3/4	1	12	20 3/8	21 5/8	6																		16.0
4	48		2 1/4	3/4	1	12	20 3/8	21 5/8	6																		16.0
5	48		2 1/4	3/4	1	12	20 3/8	21 5/8	6																		16.0

STANDARD SIGN
W08-1

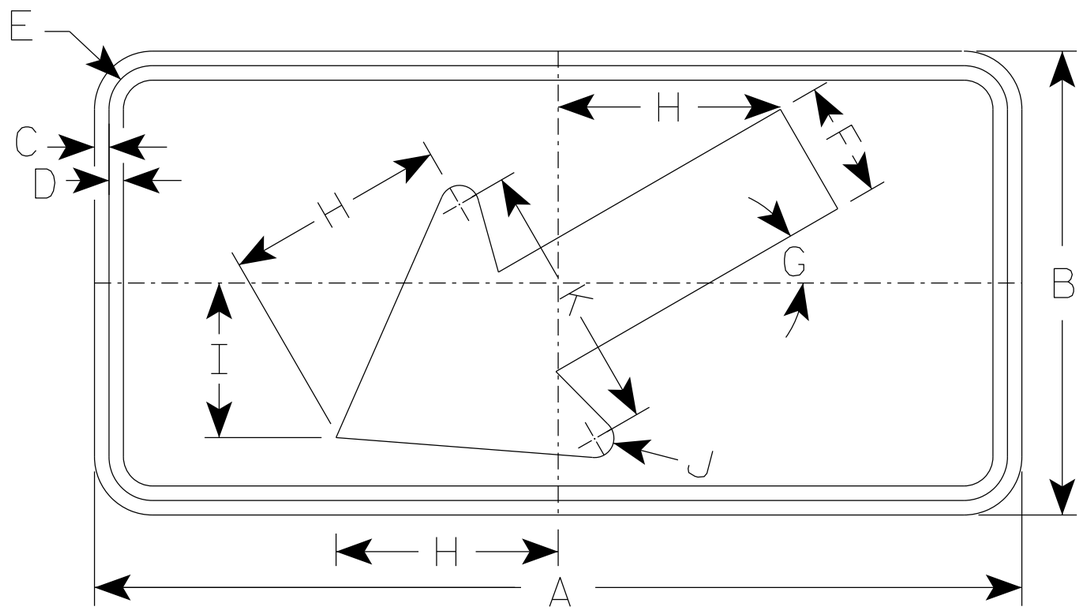
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 1352 W08-1.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W081.DGN PLOT DATE : 20-NOV-2013 12:24 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.688833:1.000000 WISDOT/CADDS SHEET 42



W016-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded but corners shall be rounded when base material is metal.
4. W016-7R is the same as W016-L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
2S	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0
2M	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0
3	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0
4	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0
5	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0

STANDARD SIGN
W016-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

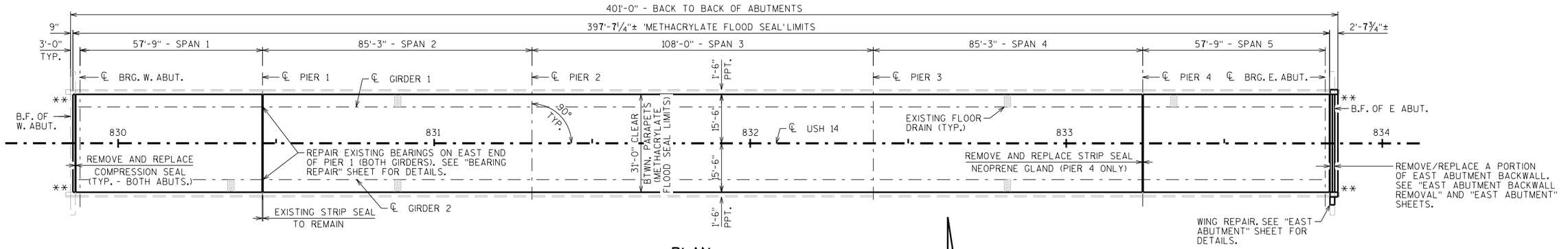
DATE 7/11/18 PLATE NO. W016-7.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 353 | E

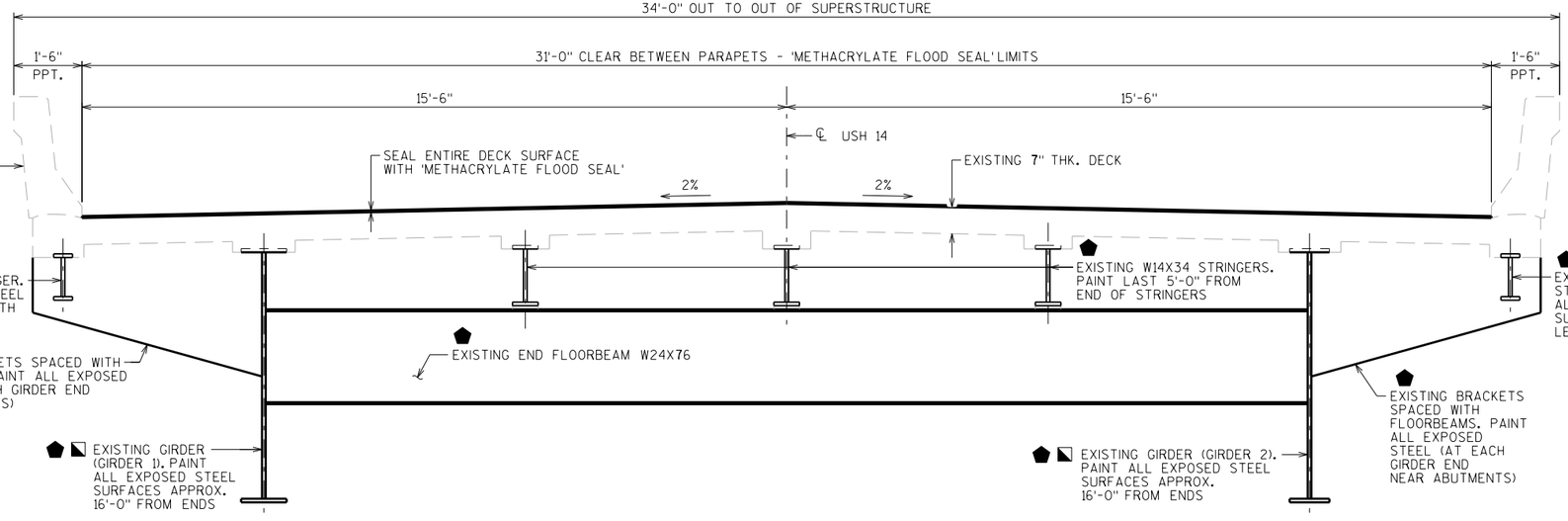
7

STATE PROJECT NUMBER

5155-02-62



PLAN



SECTION THRU ROADWAY - LOOKING EAST

- ⬟ CLEAN AND PAINT ALL EXISTING EXPOSED SUPERSTRUCTURE STEEL WITHIN 5'-0" OF THE ENDS OF GIRDERS. (BOTH ABUTMENTS) INCLUDING GIRDERS, STRINGERS (W14X34). BRACKETS, FLOORBEAMS (W24X76) AND HARDWARE.
- ◹ CLEAN AND PAINT EXISTING GIRDERS WITHIN 16'-0" OF THE ENDS OF GIRDERS (BOTH ABUTMENTS).
- ◆ CLEAN AND PAINT EXISTING EXTERIOR STRINGERS (W12X26) FULL LENGTH OF BRIDGE.
- ** = REMOVE EXISTING BEAM GUARD CONNECTIONS AND UPDATE TO NEW THRIE BEAM ATTACHMENT AT EACH LOCATION PER THE FDM S.D.D. 14B 20-11D. SEE ROADWAY PLANS FOR DETAILS AND ASSOCIATED BID ITEMS.

DESIGN DATA

LIVE LOAD:

INVENTORY RATING: HS-16
OPERATING RATING: HS-27
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 150 (KIPS)

MATERIAL PROPERTIES:

CONCRETE MASONRY:
DECK REPAIR ——— f'c = 4,000 P.S.I.
ALL OTHER ——— f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 ——— fy = 60,000 P.S.I.

TRAFFIC VOLUME

USH 14

ADT = 14,300 (2040)
R.D.S. = 55 M.P.H.

LIST OF DRAWINGS

1. DECK SEALING & SUPERSTRUCTURE PAINTING
2. GENERAL NOTES & QUANTITIES
3. EAST ABUTMENT BACKWALL REMOVAL
4. EAST ABUTMENT
5. EAST ABUTMENT & PARAPET DETAILS
6. BEARING REPAIR

STRUCTURE DESIGN CONTACTS:

BRETT FOLLETT (608) 266-0214
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher 2/10/20
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-53-906

USH 14 OVER ROCK RIVER

COUNTY	TOWN
ROCK	JANESVILLE

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
BAF	EMK	DDS	BF/EK

DECK SEALING & SUPERSTRUCTURE PAINTING

SHEET 1 OF 6

354

I.D. 5155-02-30A

DATE: NOV. 2019

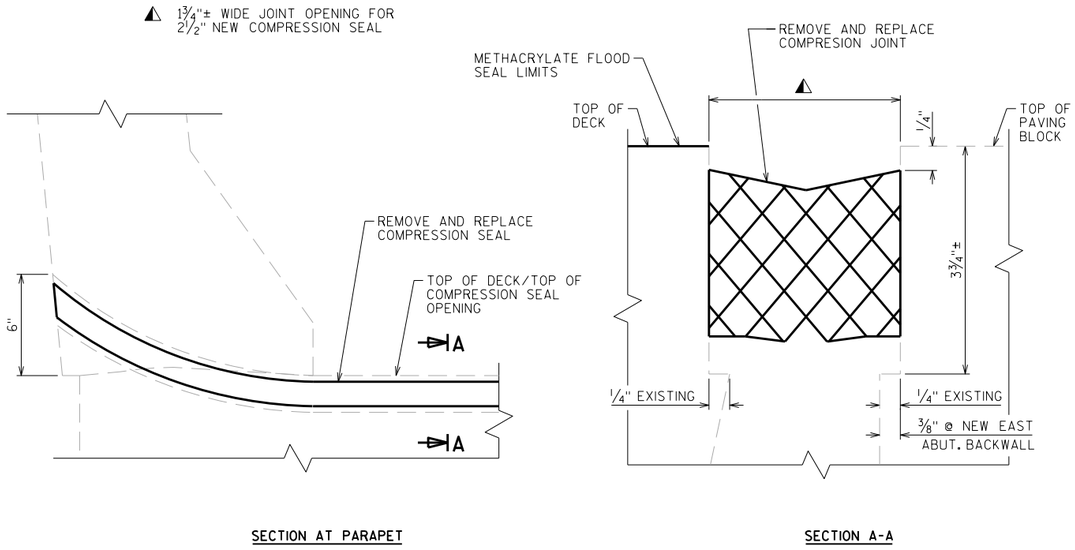
SCALE = 16.00

8

8

STATE PROJECT NUMBER

5155-02-62

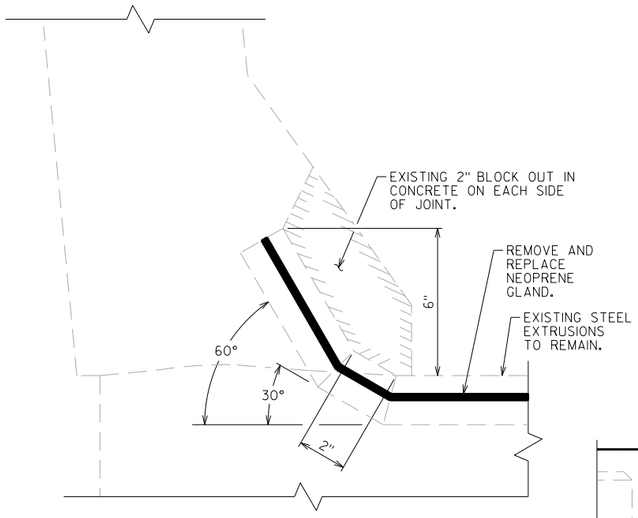


SECTION AT PARAPET

SECTION A-A

COMPRESSION SEAL DETAILS

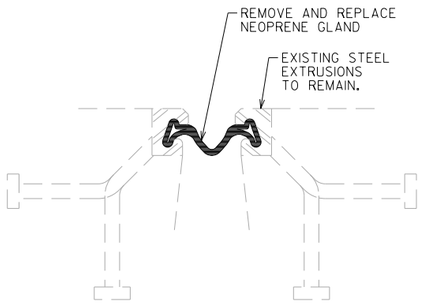
AT BOTH ABUTMENTS



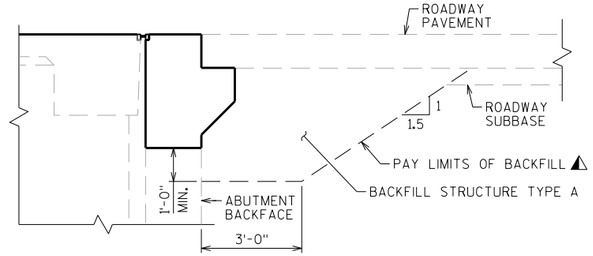
SECTION AT PARAPET

STRIP SEAL DETAIL

AT PIER 4



SECTION THRU JOINT OPENING



EAST ABUTMENT BACKFILL

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER	WEST ABUT.	PIER 1	PIER 2	PIER 3	PIER 4	EAST ABUT.	TOTALS
203.0200	REMOVING OLD STRUCTURE STATION 832+00	LS	---	---	---	---	---	---	---	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-53-906	LS		---	---	---	---	---	---	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	---	---	---	---	---	---	50	50
502.0100	CONCRETE MASONRY BRIDGES	CY	1	---	---	---	---	---	8	9
502.2000	COMPRESSION JOINT SEALER PREFORMED ELASTOMERIC 2 1/2 IN	LF	---	34	---	---	---	---	34	68
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	---	---	---	---	---	---	76	76
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	---	---	---	---	---	---	1,120	1,120
◐ 509.0301	PREPARATION DECKS TYPE 1	SY	1	---	---	---	---	---	---	1
◐ 509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	LF	10	---	---	---	---	---	---	10
◪ 509.1500	CONCRETE SURFACE REPAIR	SF	100	10	10	10	5	10	10	155
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	---	---	---	---	---	---	8	8
517.1800.S	STRUCTURE REPAINTING RECYCLED ABRASIVE B-53-906	LS	1	---	---	---	---	---	---	1
517.4500.S	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS B-53-906	LS	1	---	---	---	---	---	---	1
517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH	1	---	---	---	---	---	---	1
SPV.0060.03	BEARING REPAIR	EACH	---	---	2	---	---	---	---	2
SPV.0060.04	CLEANING AND PAINTING BEARINGS	EACH	---	2	4	2	2	4	2	16
SPV.0090.03	STRIP SEAL GLAND REPLACEMENT	LF	---	---	---	---	---	33	---	33
SPV.0180.02	METHACRYLATE FLOOD SEAL	SY	1,370	---	---	---	---	---	---	1,370
	NON-BID ITEMS									
	BRIDGE SEAT PROTECTION	LS	---	---	---	---	---	---	---	1

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-53-906" SHALL BE THE EXISTING GROUNDLINE.

ALL LINES OF CONCRETE REMOVAL SHALL BE DEFINED BY A 1" MIN. DEEP SAW CUT

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A.

APPLY BRIDGE SEAT PROTECTION, AS PER SECTION 502.3.12 OF THE STANDARD SPECIFICATIONS, TO THE TOP SURFACES OF BOTH ABUTMENTS BELOW THE COMPRESSION SEAL. POWERWASH AND ADEQUATELY DRY SURFACES BEFORE APPLICATION.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

CLEANING ENTIRE DECK SURFACE, STRIP SEALS, AND COMPRESSION SEALS PRIOR TO DECK SEALING SHALL BE INCIDENTAL TO BID ITEM "METHACRYLATE FLOOD SEAL".

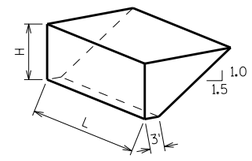
◪ "CONCRETE SURFACE REPAIR" AREAS SHALL BE DETERMINED AND DEFINED BY THE ENGINEER. ESTIMATED LOCATIONS INCLUDE: PARAPETS, UNDERSIDE OF DECK AT PIER 4, PIER 1 (NORTH COLUMN). PIER 2 (NORTH COLUMN), PIER 4 (SOUTH COLUMN), & ALL FOUR PIER CAPS.

THE COLOR OF THE FINISH EPOXY TOP COAT SHALL BE BLUE (AMS STANDARD COLOR NUMBER 25240).

PARTIAL REMOVAL OF THE EAST ABUTMENT, REMOVAL OF COMPRESSION SEALS AT BOTH ABUTMENTS, REMOVAL OF EXISTING PARAPET ANCHOR ASSEMBLY, AND REMOVAL OF STRIP SEAL GLAND AT PIER 4 SHALL BE INCIDENTAL TO THE BID ITEM "REMOVING OLD STRUCTURE STATION 832+00".

◐ THE BID ITEMS "PREPARATION DECKS TYPE 1" & "SAWING PAVEMENT DECK PREPARATION AREAS" ARE FOR INFORMATIONAL PURPOSES ONLY. FINAL LOCATION AND QUANTITY IS TO BE DETERMINED BY THE ENGINEER.

FOR REMOVAL AND UPGRADES OF THE EXISTING GUARD RAIL CONNECTIONS, SEE ROADWAY PLANS FOR FURTHER DETAILS AND ASSOCIATED BID ITEMS.



EAST ABUTMENT BACKWALL REPAIR BACKFILL DIAGRAM

PARALLEL TO ROADWAY

L = OUT TO OUT OF BACKWALL REPAIR (FT)
H = AVERAGE BACKWALL REPAIR FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF} (EF)/27
V_{TON} = V_{CY} (2.0)

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-53-906

DRAWN BY DDS | PLANS CK'D. BF/EK

GENERAL NOTES & QUANTITIES

SHEET 2

355

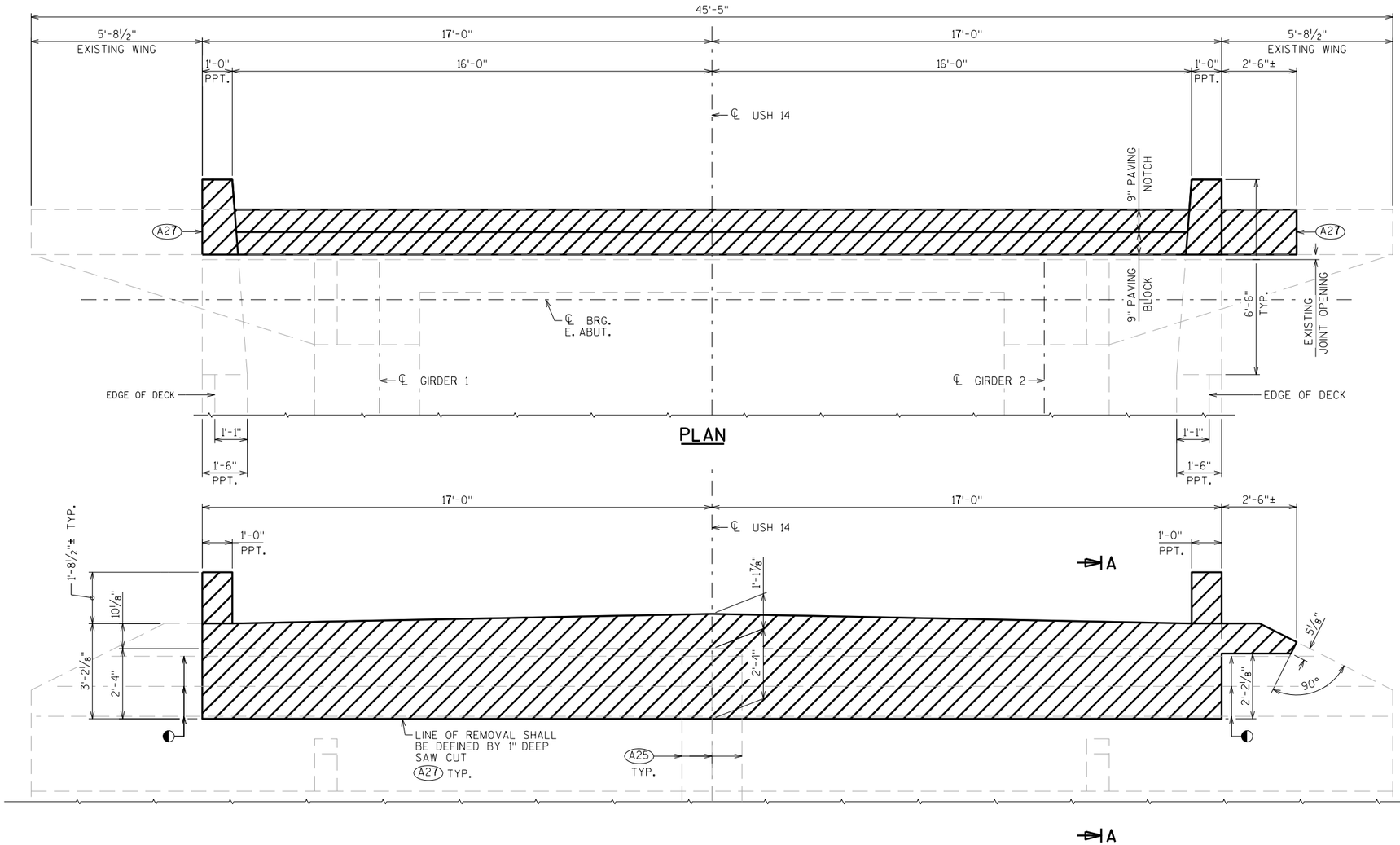
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SCALE = 1.00

STATE PROJECT NUMBER

5155-02-62

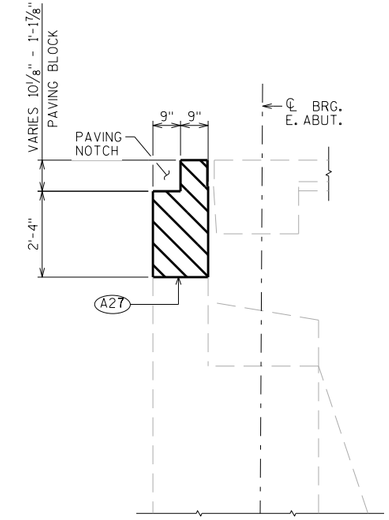


PLAN

ELEVATION - LOOKING EAST

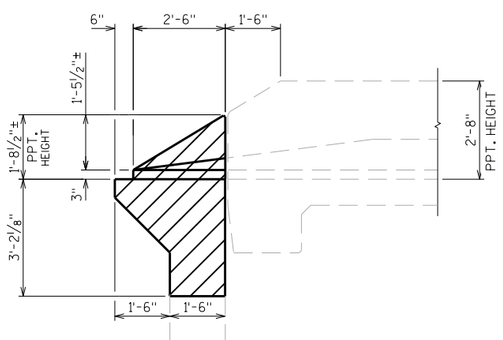
LOOKING AT F.F. ABUT.

* ABUTMENT BACKWALL REMOVAL AND REPAIR AT EAST ABUTMENT ONLY. COMPRESSION JOINT REPLACEMENT AT BOTH ABUTMENTS.



SECTION A-A

SHOWING REMOVAL LIMITS



PARAPET REMOVAL DETAIL

INSIDE ELEVATION - TYP.

= REMOVAL*

◐ SALVAGE EXISTING HORIZONTAL REINFORCEMENT & EXTEND 5'-0" MIN. INTO NEW WORK.

(A25) SALVAGE EXIST. REINF. & EXTEND FULL LENGTH INTO NEW WORK.

(A27) LINE OF BACKWALL REMOVAL.

NO.	DATE	REVISION	BY

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STRUCTURE B-53-906

DRAWN BY DDS/BAF | PLANS CK'D. BF/EK

EAST ABUTMENT BACKWALL REMOVAL

SHEET 3

356

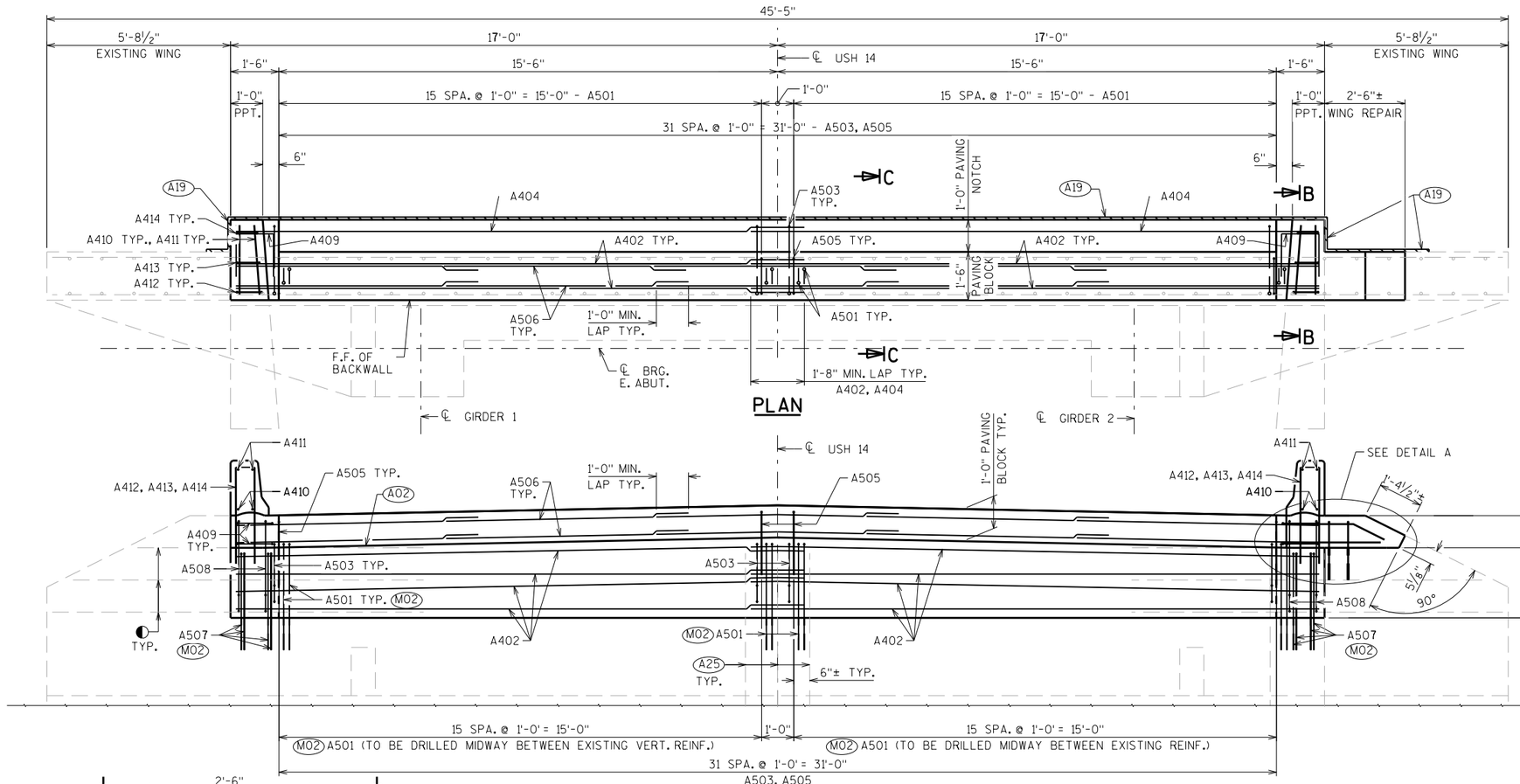
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STATE PROJECT NUMBER

5155-02-62

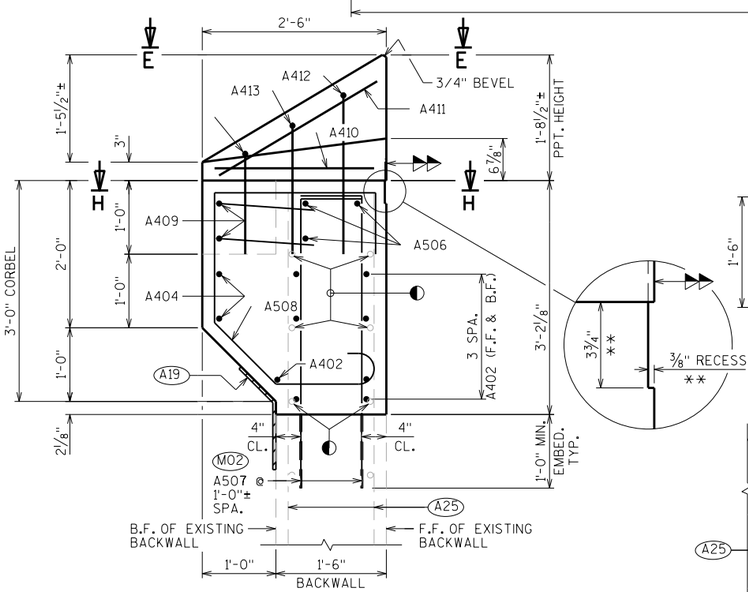


A02 OPTIONAL CONST. JOINT: POUR CONCRETE ABOVE THIS JOINT AFTER NEW ABUTMENT BACKWALL CONCRETE IS IN PLACE. STRIKE OFF AND LEAVE ROUGH.

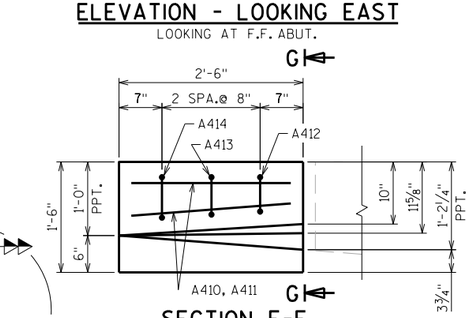
A19 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

A25 SALVAGE EXIST. REINF. & EXTEND FULL LENGTH INTO NEW WORK.

M02 ADHESIVE ANCHORS NO. 5 BAR. EMBED 1'-0" IN CONCRETE. TURN 10" LEG AS NECESSARY TO FIT.

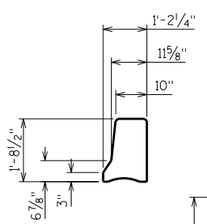


SECTION B-B THRU NEW BACKWALL AT PARAPETS

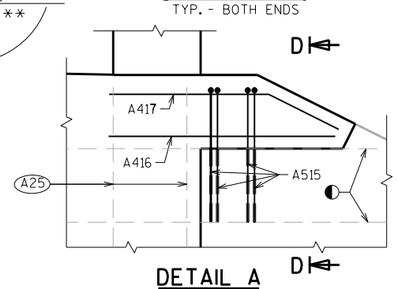


ELEVATION - LOOKING EAST
LOOKING AT F.F. ABUT.

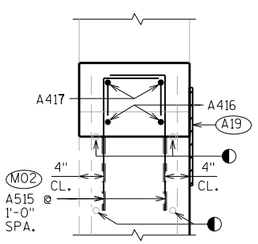
SECTION E-E
TYP. - BOTH ENDS



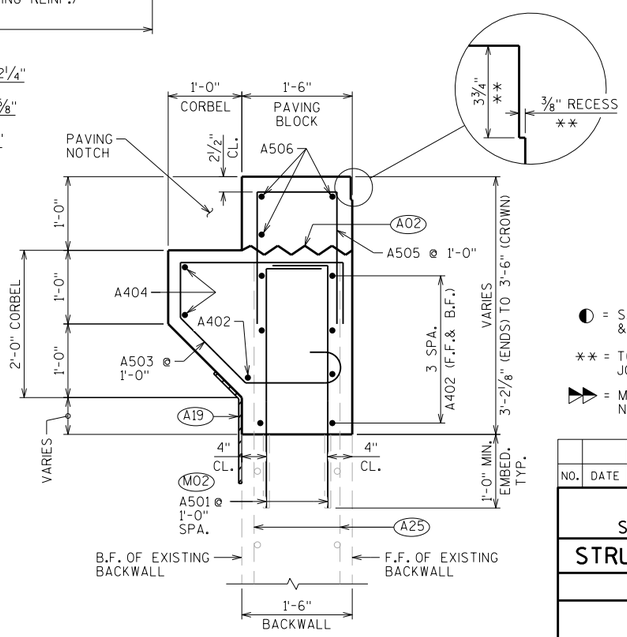
SECTION G-G



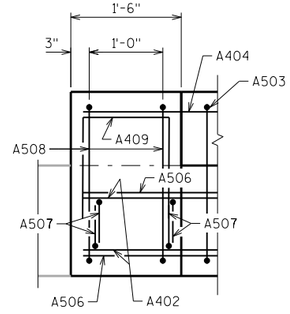
DETAIL A



SECTION D-D



SECTION C-C THRU NEW BACKWALL



SECTION H-H
TYP. - BOTH ENDS

◐ = SALVAGE EXISTING HORIZONTAL REINF. & EXTEND 5'-0" MIN. INTO NEW WORK.

** = TO ACCOMODATE THE NEW COMPRESSION JOINT

▶▶ = MATCH EXISTING TO ACCOMODATE THE NEW COMPRESSION JOINT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-53-906

DRAWN BY DDS/BAF | PLANS CK'D. BF/EK

EAST ABUTMENT

SHEET 4

357

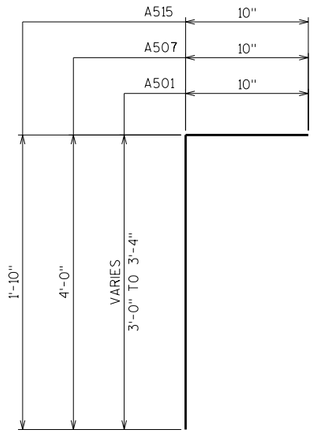
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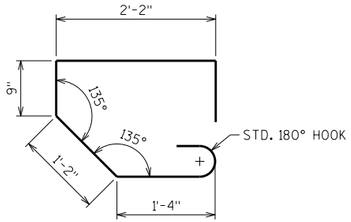
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STATE PROJECT NUMBER

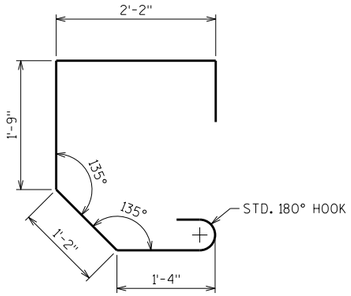
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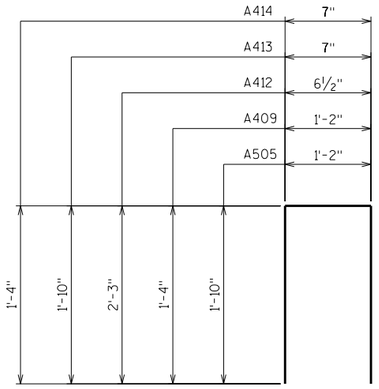
A501, A507, A515



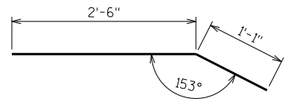
A503



A508



A505, A409, A412, A413, A414



A417

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

	BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
■	A501	X	64	3'-11"	X	◭	BACKWALL - VERT.
	A402	X	16	17'-10"			BACKWALL - HORIZ.
	A503	X	32	6'-7"	X		BACKWALL/CORBEL - VERT.
	A404	X	4	17'-10"			BACKWALL/CORBEL - HORIZ.
	A505	X	32	4'-7"	X		PAVING BLOCK - VERT.
	A506	X	15	7'-8"			PAVING BLOCK - HORIZ.
■	A507	X	8	4'-9"	X		BACKWALL - VERT. - ENDS
	A508	X	4	7'-7"	X		BACKWALL/CORBEL - VERT. - ENDS
	A409	X	4	3'-8"	X		BACKWALL/CORBEL - HORIZ. - ENDS
	A410	X	4	2'-2"			PARAPET - HORIZ.
	A411	X	4	2'-6"			PARAPET. - HORIZ.
	A412	X	2	4'-11"	X		PARAPET - VERT.
	A413	X	2	4'-1"	X		PARAPET - VERT.
	A414	X	2	3'-1"	X		PARAPET - VERT.
■	A515	X	4	2'-7"	X		BACKWALL/WING - VERT.
	A416	X	2	3'-5"			BACKWALL/WING - HORIZ.
	A417	X	2	3'-7"	X		BACKWALL/WING - HORIZ.

◭ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

■ ADHESIVE ANCHORS NO. 5 BARS EMBED 1'-0" IN CONCRETE.

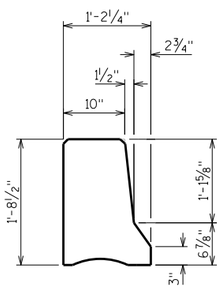
BAR SERIES TABLE

BAR MARK	NO. REQ'D.	LENGTH
A501	4 SERIES OF 16	3'-9" TO 4'-1"

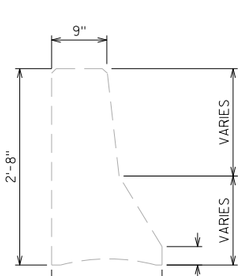
BUNDLE AND TAG EACH SERIES SEPARATELY.



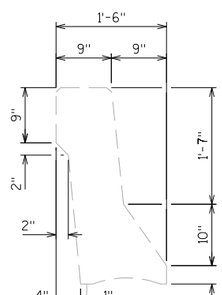
SECTION A-A



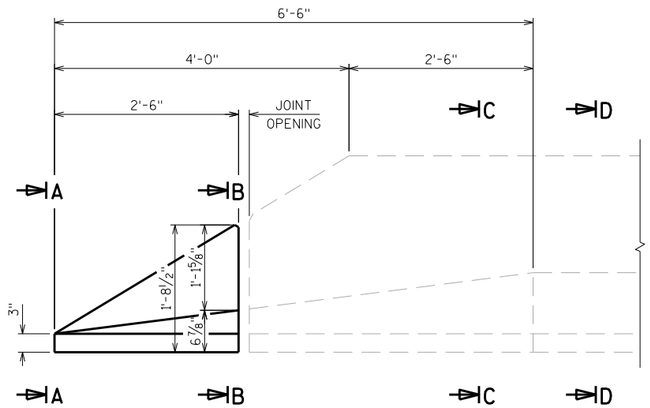
SECTION B-B



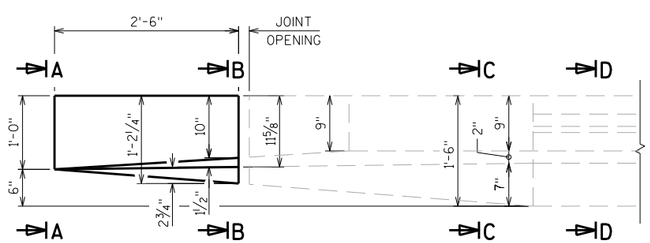
VIEW C-C



SECTION D-D



INSIDE ELEVATION



PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-53-906

DRAWN BY DDS | PLANS CK'D. BF/EK

EAST ABUTMENT & PARAPET DETAILS

SHEET 5

358

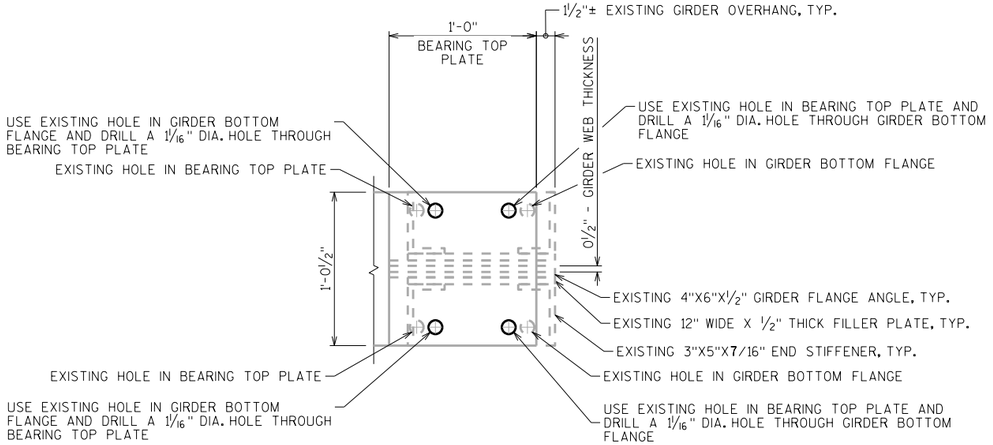
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8

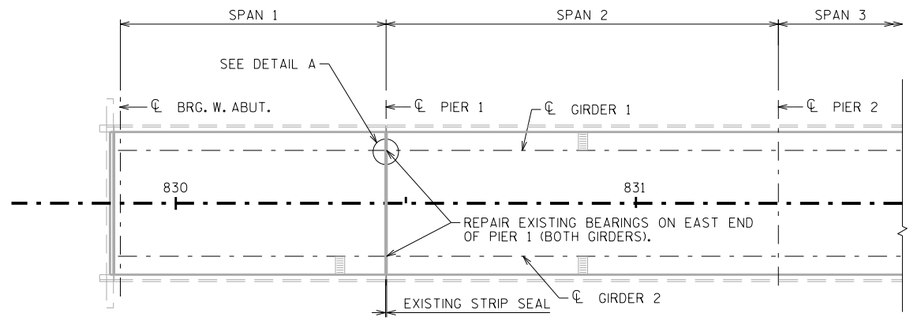
STATE PROJECT NUMBER

5155-02-62

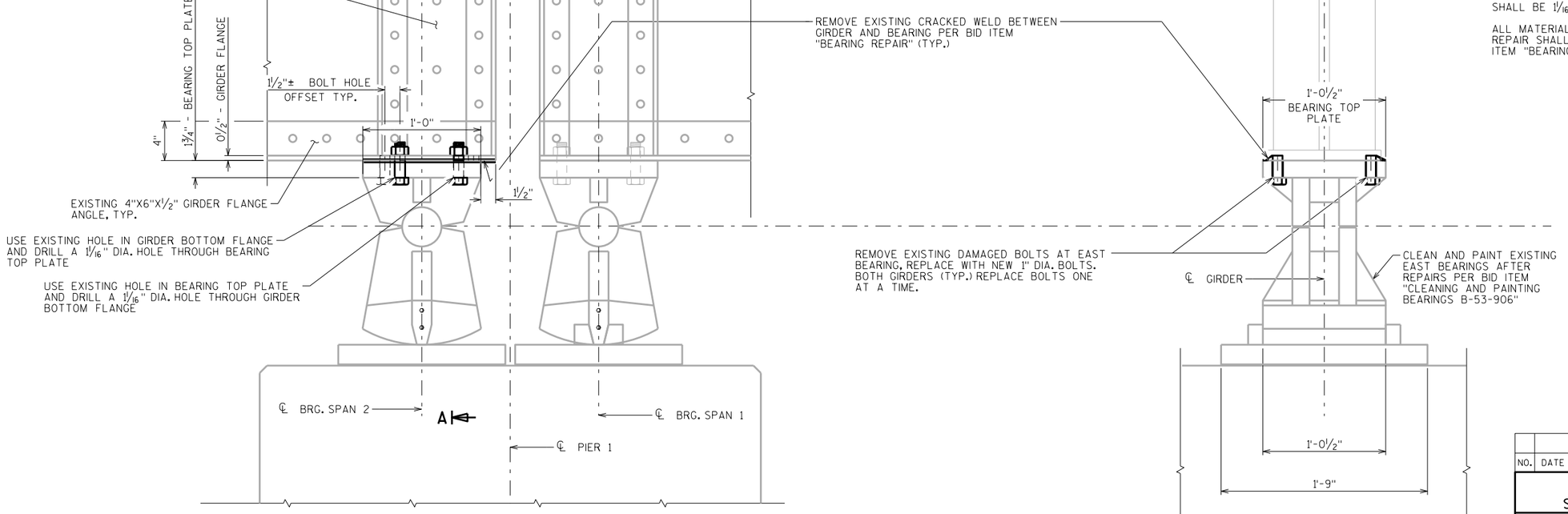


DETAIL A

BEARING TOP PLATE AT PIER 1, SPAN 2 GIRDER 1 SHOWN,
BEARING TOP PLATE AT PIER 1, SPAN 2 GIRDER 2 SIMILAR.



PLAN



ELEVATION

(LOOKING SOUTH)
(2 EAST BEARINGS ON PIER 1)

SECTION A-A

NOTES

REPLACE EXISTING BOLTS WITH 1" DIA. A325 HIGH-TENSILE STRENGTH BOLTS.

THE SIZE OF ALL NEW DRILLED HOLES SHALL BE 1 1/16" DIA.

ALL MATERIAL AND LABOR INVOLVED IN BEARING REPAIR SHALL BE CONSIDERED INCIDENTAL TO BID ITEM "BEARING REPAIR".

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DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-53-906

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BEARING REPAIR

SHEET 6

359

SCALE = 0.50

8

8

USH 14 at Tolles Road (Stage 1)

Category	Station	Distance	AREA (SF) Cut	AREA (SF) Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.25	Cumulative Vol (CY) Expanded EBS Backfill 1.30	Cumulative Vol (CY) Mass Ordinate +/-
0010	306+62.26	0.00	8.28	0.00	0.73	0.00	0	0	0	0	0	0	0	0
	307+00	37.74	9.58	0.00	0.05	0.00	12	0	1	0	12	1	0	12
	307+50	50.00	28.10	0.00	0.00	0.00	35	0	0	0	47	1	0	47
	308+00	50.00	36.27	0.00	0.45	0.00	60	0	0	0	107	1	0	106
	308+50	50.00	209.28	0.00	0.00	0.00	227	0	0	0	334	2	0	333
	309+00	50.00	115.74	0.00	0.00	0.00	301	0	0	0	635	2	0	633
	309+50	50.00	89.78	0.00	0.00	0.00	190	0	0	0	826	2	0	824
	310+00	50.00	71.93	0.00	0.00	0.00	150	0	0	0	975	2	0	974
	310+50	50.00	69.68	0.00	0.55	0.00	131	0	1	0	1,106	2	0	1,104
	311+00	50.00	79.48	0.00	5.04	0.00	138	0	5	0	1,245	9	0	1,236
	311+20	20.00	147.01	0.00	19.09	0.00	84	0	9	0	1,328	20	0	1,308
	311+50	30.00	78.32	0.00	0.10	0.00	125	0	11	0	1,454	33	0	1,420
	312+00	50.00	39.02	0.00	0.00	0.00	109	0	0	0	1,562	34	0	1,529
	312+50	50.00	23.36	0.00	0.00	0.00	58	0	0	0	1,620	34	0	1,587
	312+64	14.00	23.36	0.00	0.00	0.00	12	0	0	0	1,632	34	0	1,599
							1,632	0	27	0				

Culvert Extension at Sta 421+31 (Stage 1)

Category	Station	Distance	AREA (SF) Cut	AREA (SF) Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.25	Cumulative Vol (CY) Expanded EBS Backfill 1.30	Cumulative Vol (CY) Mass Ordinate +/-
0010	421+00	0.00	7.58	0.00	0.98	0.00	0	0	0	0	0	0	0	0
	421+25	25.00	28.40	0.00	12.99	0.00	17	0	6	0	17	8	0	9
	421+31	6.00	40.29	0.00	29.82	0.00	8	0	5	0	24	14	0	10
	421+50	19.00	22.72	0.00	1.41	0.00	22	0	11	0	46	28	0	19
	421+75	25.00	4.67	0.00	1.30	0.00	13	0	1	0	59	29	0	30
							59	0	23	0				

Guardrail near Sta 480+00 RT (Stage 1)

Category	Station	Distance	AREA (SF) Cut	AREA (SF) Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.25	Cumulative Vol (CY) Expanded EBS Backfill 1.30	Cumulative Vol (CY) Mass Ordinate +/-
0010	479+50	0.00	5.88	0.00	0.83	0.00	0	0	0	0	0	0	0	0
	479+62	12.00	5.88	0.00	0.83	0.00	3	0	0	0	3	0	0	2
	479+87	25.00	6.79	0.00	0.02	0.00	6	0	0	0	8	1	0	8
	480+12	25.00	7.76	0.00	0.00	0.00	7	0	0	0	15	1	0	14
	481+00	88.00	14.92	0.00	0.00	0.00	37	0	0	0	52	1	0	51
	482+00	100.00	12.33	0.00	0.28	0.00	50	0	1	0	103	2	0	101
	482+80	80.00	10.02	0.00	0.00	0.00	33	0	0	0	136	2	0	134
	483+05	25.00	8.40	0.00	0.64	0.00	9	0	0	0	144	3	0	142
	483+30	25.00	12.74	0.00	0.02	0.00	10	0	0	0	154	3	0	151
	483+48	18.00	12.74	0.00	0.02	0.00	8	0	0	0	163	3	0	160
							163	0	2	0				

USH 14 at CTH H (Stage 1)

			AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			
				Unusable				Unusable				Expanded	Expanded	
Category	Station	Distance	Cut	Pavement Material	Fill	EBS	Cut	Pavement Material	Fill	EBS	Cut 1.00	Fill 1.25	EBS Backfill 1.30	Mass Ordinate +/-
0010	628+66	0.00	8.31	0.00	0.20	0.00	0	0	0	0	0	0	0	0
	629+00	34.00	8.55	0.00	0.08	0.00	11	0	0	0	11	0	0	10
	629+50	50.00	17.32	0.00	0.00	0.00	24	0	0	0	35	0	0	34
	630+00	50.00	18.89	0.00	0.00	0.00	34	0	0	0	68	0	0	68
	630+50	50.00	23.04	0.00	0.00	0.00	39	0	0	0	107	0	0	107
	631+00	50.00	26.89	0.00	0.00	0.00	46	0	0	0	153	0	0	153
	631+25	25.00	40.42	0.00	0.00	0.00	31	0	0	0	184	0	0	184
	631+50	25.00	31.07	0.00	0.00	0.00	33	0	0	0	217	0	0	217
	632+00	50.00	20.58	0.00	0.00	0.00	48	0	0	0	265	0	0	265
	632+44.38	44.38	15.83	0.00	0.21	0.00	30	0	0	0	295	1	0	295
	632+50	5.62	26.74	0.00	0.01	0.00	4	0	0	0	300	1	0	299
	633+00	50.00	14.73	0.00	12.59	0.00	38	0	12	0	338	15	0	323
	633+50	50.00	12.92	0.00	32.28	0.00	26	0	42	0	364	67	0	297
	633+92.35	42.35	25.57	0.00	98.15	0.00	30	0	102	0	394	195	0	199
	634+00	7.65	24.51	0.00	62.03	0.00	7	0	23	0	401	223	0	178
	634+50	50.00	35.01	0.00	31.78	0.00	55	0	87	0	456	332	0	124
	635+00	50.00	43.87	0.00	29.20	0.00	73	0	56	0	529	402	0	127
	635+50	50.00	32.16	0.00	12.53	0.00	70	0	39	0	599	451	0	149
	636+00	50.00	36.54	0.00	8.73	0.00	64	0	20	0	663	475	0	188
	636+50	50.00	48.75	0.00	4.43	0.00	79	0	12	0	742	491	0	251
	637+00	50.00	55.41	0.00	0.00	0.00	96	0	4	0	838	496	0	343
	637+50	50.00	95.32	0.00	0.04	0.00	140	0	0	0	978	496	0	482
	638+00	50.00	176.34	0.00	0.00	0.00	252	0	0	0	1,230	496	0	734
	638+50	50.00	110.31	0.00	13.34	0.00	265	0	12	0	1,495	511	0	984
	639+00	50.00	96.17	0.00	0.00	0.00	191	0	12	0	1,686	527	0	1,159
	639+50	50.00	78.14	0.00	0.35	0.00	161	0	0	0	1,848	527	0	1,320
	640+00	50.00	48.73	0.00	0.00	0.00	117	0	22	0	1,965	554	0	1,411
	640+50	50.00	55.88	0.00	0.00	0.00	97	0	0	0	2,062	554	0	1,508
	641+00	50.00	72.76	0.00	0.00	0.00	119	0	0	0	2,181	554	0	1,627
	641+50	50.00	73.85	0.00	0.00	0.00	136	0	0	0	2,317	554	0	1,762
	642+00	50.00	56.47	0.00	0.00	0.00	121	0	0	0	2,437	554	0	1,883
	642+50	50.00	40.12	0.00	0.52	0.00	89	0	0	0	2,527	555	0	1,972
	643+00	50.00	21.58	0.00	1.00	0.00	57	0	1	0	2,584	557	0	2,027
	643+50	50.00	55.99	0.00	0.00	0.00	72	0	1	0	2,656	558	0	2,098
	644+00	50.00	31.70	0.00	0.00	0.00	81	0	0	0	2,737	558	0	2,179
	644+50	50.00	22.89	0.00	0.00	0.00	51	0	0	0	2,788	558	0	2,230
	645+00	50.00	16.32	0.00	0.00	0.00	36	0	0	0	2,824	558	0	2,266
	645+50	50.00	8.54	0.00	0.00	0.00	23	0	0	0	2,847	558	0	2,289
	646+00	50.00	7.47	0.00	0.00	0.00	79	0	15	0	2,926	577	0	2,350
	646+50	50.00	8.66	0.00	0.00	0.00	15	0	0	0	2,941	577	0	2,365
	647+00	50.00	9.86	0.00	0.00	0.00	17	0	0	0	2,958	577	0	2,382
	647+50	50.00	10.64	0.00	0.00	0.00	19	0	0	0	2,977	577	0	2,401
	647+70	20.00	10.82	0.00	0.00	0.00	8	0	0	0	2,985	577	0	2,409
							2,985	0	461	0				

Tolles Road (Stage 1)

Category	Station	Distance	AREA (SF) Cut	Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.25	Expanded EBS Backfill 1.30	Mass Ordinate +/-
0010	50+86.93	0.00	466.34	0.00	0.00	3.00	0	0	0	0	0	0	0	0
	51+00	13.07	502.71	0.00	0.00	3.00	235	0	0	1	235	0	2	233
	51+50	50.00	443.85	0.00	0.00	3.00	876	0	0	6	1,111	0	9	1,104
	52+00	50.00	108.78	0.00	12.38	3.00	512	0	11	6	1,623	14	16	1,596
	52+50	50.00	213.76	0.00	0.00	3.00	299	0	11	6	1,921	29	24	1,875
	53+00	50.00	419.00	0.00	0.00	3.00	586	0	0	6	2,507	29	31	2,455
	53+50	50.00	303.61	0.00	1.49	3.00	669	0	1	6	3,176	30	38	3,117
	54+00	50.00	199.91	0.00	0.00	3.00	466	0	1	6	3,643	32	45	3,576
	54+50	50.00	51.73	0.00	16.22	1.80	233	0	15	4	3,876	51	51	3,785
	55+00	50.00	32.38	0.00	21.25	1.00	78	0	35	3	3,953	94	54	3,817
	55+50	50.00	34.55	0.00	14.08	0.00	62	0	33	1	4,015	135	56	3,837
	56+00	50.00	37.05	0.00	5.97	0.00	66	0	19	0	4,082	158	56	3,881
	56+50	50.00	68.83	0.00	0.66	0.00	98	0	6	0	4,180	166	56	3,971
	56+75	25.00	41.86	0.00	0.00	0.00	51	0	0	0	4,231	166	56	4,022
							4,231	0	133	43				

Private Entrance at Sta 479+25 RT (Stage 1)

Category	Station	Distance	AREA (SF) Cut	Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.25	Expanded EBS Backfill 1.30	Mass Ordinate +/-
0010	10+18	0.00	3.95	0.00	0.05	0.00	0	0	0	0	0	0	0	0
	10+50	32.00	0.00	0.00	182.84	0.00	2	0	108	0	2	135	0	-133
	11+00	50.00	0.00	0.00	103.79	0.00	0	0	265	0	2	467	0	-465
	11+50	50.00	0.44	0.00	2.06	0.00	0	0	98	0	3	590	0	-587
	11+80	30.00	12.01	0.00	0.00	0.00	7	0	1	0	10	591	0	-581
							10	0	473	0				

CTH H (Stage 1)

Category	Station	Distance	AREA (SF) Cut	Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.25	Expanded EBS Backfill 1.30	Mass Ordinate +/-
0010	127+00	0.00	45.40	0.00	0.00	0.00	0	0	0	0	0	0	0	0
	127+40	0.00	58.99	0.00	4.91	0.00	0	0	0	0	0	0	0	0
	127+50	50.00	45.37	0.00	8.95	0.00	92	0	9	0	92	11	0	82
	128+00	50.00	57.58	0.00	1.12	0.00	95	0	9	0	188	22	0	165
	128+50	50.00	52.25	0.00	1.51	2.00	102	0	2	2	289	25	2	262
	128+71.51	21.51	62.11	0.00	0.98	2.75	46	0	1	2	335	27	5	305
	129+00	28.49	113.48	0.00	8.70	4.00	93	0	5	4	428	33	9	387
	131+00	0.00	157.35	0.00	0.21	7.50	0	0	0	0	428	33	9	387
	131+50	50.00	68.45	0.00	0.14	3.75	209	0	0	10	637	33	23	586
	132+00	50.00	51.53	0.00	0.19	1.50	111	0	0	5	748	34	29	691
	132+50	50.00	45.92	0.00	0.66	0.00	90	0	1	1	838	35	31	779
	133+00	50.00	41.57	0.00	0.00	0.00	81	0	1	0	919	36	31	860
							919	0	28	24				

USH 14 at CTH E (Stage 2)

			AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			
				Unusable				Unusable				Expanded	Expanded	
			Cut	Pavement Material	Fill	EBS	Cut	Pavement Material	Fill	EBS	Cut	Fill	EBS Backfill	Mass Ordinate
Category	Station	Distance									1.00	1.25	1.30	+/-
0010	799+55.13	0.00	7.71	0.00	0.28	0.00	0	0	0	0	0	0	0	0
	800+00	44.87	8.11	0.00	0.06	0.00	13	0	0	0	13	0	0	13
	800+33.05	33.05	7.92	0.00	1.98	0.00	10	0	1	0	23	2	0	21
	800+50	16.95	8.50	0.00	0.13	0.00	5	0	1	0	28	3	0	25
	801+00	50.00	17.80	0.00	0.00	0.00	24	0	0	0	52	3	0	50
	801+50	50.00	15.58	0.00	1.88	0.00	31	0	2	0	83	5	0	78
	802+00	50.00	16.82	0.00	2.16	0.00	30	0	4	0	113	10	0	104
	802+50	50.00	18.15	0.00	2.31	0.00	32	0	4	0	146	15	0	131
	803+00	50.00	26.75	0.00	0.14	0.00	42	0	2	0	187	18	0	170
	803+50	50.00	34.34	0.00	0.11	0.00	57	0	0	0	244	18	0	226
	804+00	50.00	57.73	0.00	0.00	0.00	85	0	0	0	329	18	0	311
	804+50	50.00	75.12	0.00	0.00	0.00	123	0	0	0	452	18	0	434
	805+00	50.00	102.05	0.00	0.00	0.00	164	0	0	0	616	18	0	598
	805+50	50.00	116.89	0.00	0.00	0.00	203	0	0	0	819	18	0	801
	805+75	25.00	120.06	0.00	0.87	0.00	110	0	0	0	929	19	0	910
	806+00	25.00	165.77	0.00	0.00	0.00	132	0	0	0	1,061	19	0	1,042
	806+50	50.00	134.80	0.00	0.00	0.00	278	0	0	0	1,339	19	0	1,320
	807+00	50.00	123.29	0.00	1.04	0.00	239	0	1	0	1,578	20	0	1,558
	807+50	50.00	105.58	0.00	0.61	0.00	212	0	2	0	1,790	22	0	1,768
	808+00	50.00	61.68	0.00	0.01	0.00	155	0	1	0	1,945	23	0	1,922
	808+50	50.00	132.98	0.00	2.77	0.00	180	0	3	0	2,125	26	0	2,099
	809+00	50.00	156.59	0.00	4.30	0.00	268	0	7	0	2,393	34	0	2,359
	809+50	50.00	182.48	0.00	0.58	0.00	314	0	5	0	2,707	40	0	2,667
	810+00	50.00	172.50	0.00	0.00	0.00	329	0	1	0	3,036	41	0	2,995
	810+50	50.00	35.42	0.00	52.77	0.00	193	0	49	0	3,229	102	0	3,127
	811+00	50.00	22.69	0.00	90.06	0.00	54	0	132	0	3,282	267	0	3,015
	811+50	50.00	23.97	0.00	39.25	0.00	43	0	14	0	3,326	285	0	3,041
	812+00	50.00	19.82	0.00	39.26	0.00	41	0	73	0	3,366	376	0	2,990
	812+50	50.00	18.42	0.00	59.12	0.00	35	0	91	0	3,401	490	0	2,912
	813+00	50.00	17.75	0.00	57.03	0.00	33	0	108	0	3,435	624	0	2,811
	813+50	50.00	16.68	0.00	50.39	0.00	32	0	99	0	3,467	749	0	2,718
	813+78.07	28.07	17.31	0.00	70.03	0.00	18	0	63	0	3,485	827	0	2,658
	814+00	21.93	17.46	0.00	48.02	0.00	14	0	48	0	3,499	887	0	2,612
	814+50	50.00	20.10	0.00	31.38	0.00	35	0	74	0	3,533	979	0	2,555
	815+00	50.00	19.77	0.00	14.96	0.00	37	0	43	0	3,570	1,032	0	2,538
	815+50	50.00	26.82	0.00	11.00	0.00	43	0	24	0	3,613	1,062	0	2,551
	816+00	50.00	32.02	0.00	10.59	0.00	54	0	20	0	3,668	1,087	0	2,581
	816+50	50.00	30.07	0.00	0.71	0.00	57	0	10	0	3,725	1,100	0	2,625
	817+00	50.00	39.86	0.00	0.27	0.00	108	0	29	0	3,834	1,136	0	2,697
	817+04.77	4.77	40.34	0.00	0.25	0.00	7	0	0	0	3,841	1,137	0	2,704
							3,841	0	909	0				

Guardrail near Sta 827 (Stage 2)

			AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)			
				Unusable				Unusable				Expanded	Expanded	
Category	Station	Distance	Cut	Pavement Material	Fill	EBS	Cut	Pavement Material	Fill	EBS	Cut 1.00	Fill 1.25	EBS Backfill 1.30	Mass Ordinate +/-
0010	826+16	0.00	11.40	0.00	0.29	0.00	0	0	0	0	0	0	0	0
	826+34.43	18.43	11.40	0.00	0.29	0.00	8	0	0	0	8	0	0	8
	826+59.43	25.00	11.98	0.00	0.12	0.00	11	0	0	0	19	0	0	18
	826+84.43	25.00	12.89	0.00	0.00	0.00	12	0	0	0	30	1	0	30
	827+00	15.57	12.93	0.00	0.00	0.00	7	0	0	0	38	1	0	37
	828+00	100.00	9.33	0.00	0.00	0.00	41	0	0	0	79	1	0	78
	828+97.07	97.07	8.29	0.00	0.00	0.00	32	0	0	0	110	1	0	110
	829+22.07	25.00	18.98	0.00	1.55	0.00	13	0	1	0	123	1	0	122
	829+47.07	25.00	62.96	31.00	0.00	0.00	38	14	1	0	161	2	0	144
	829+75	27.93	68.81	31.00	0.00	0.00	68	32	0	0	229	2	0	180
	829+87	12.00	68.81	31.00	0.00	0.00	31	14	0	0	260	2	0	197
	833+84	0.00	56.26	31.00	3.95	0.00	0	0	0	0	260	2	0	197
	833+90	6.00	56.26	31.00	3.95	0.00	13	7	1	0	272	3	0	202
	834+05	15.00	66.99	31.00	0.00	0.00	34	17	1	0	306	5	0	217
	834+30	25.00	66.99	31.00	0.00	0.00	62	29	0	0	369	5	0	251
	835+00	70.00	68.99	0.00	0.00	0.00	176	0	0	0	545	5	0	427
	836+00	100.00	17.50	0.00	0.00	0.00	160	0	0	0	705	5	0	587
	836+48.20	48.20	12.29	0.00	3.57	0.00	27	0	3	0	732	9	0	610
	836+73.20	25.00	11.10	0.00	4.51	0.00	11	0	4	0	742	13	0	616
	836+98.20	25.00	10.60	0.00	2.45	0.00	10	0	3	0	752	18	0	622
	837+10.81	12.61	5.11	0.00	0.03	0.00	4	0	1	0	756	18	0	625
	837+35.81	25.00	3.90	0.00	0.21	0.00	4	0	0	0	760	18	0	629
	837+60.81	25.00	3.62	0.00	0.25	0.00	3	0	0	0	764	19	0	632
	838+49.50	0.00	4.74	0.00	0.21	0.00	0	0	0	0	764	19	0	632
	838+74.50	25.00	3.77	0.00	3.08	0.00	4	0	2	0	768	21	0	634
	838+99.50	25.00	3.86	0.00	10.15	0.00	4	0	6	0	771	28	0	630
	840+00	100.50	2.68	0.00	7.26	0.00	12	0	32	0	783	69	0	602
	841+00	100.00	4.75	0.00	0.88	0.00	14	0	15	0	797	88	0	597
	842+00	100.00	7.60	0.00	0.00	0.00	23	30	6	0	820	95	0	582
	843+00	100.00	11.34	0.00	0.00	0.00	35	0	0	0	855	95	0	618
	843+43.13	43.13	10.51	0.00	0.00	0.00	17	0	0	0	873	95	0	635
	843+68.13	25.00	9.32	0.00	0.27	0.00	9	0	0	0	882	95	0	644
	843+93.13	25.00	0.00	0.00	0.00	0.00	4	0	0	0	886	95	0	648
	844+11	17.87	0.00	0.00	0.00	0.00	0	0	0	0	886	95	0	648
							886	143	76	0				

USH 14 at CTH F (Stage 2)

Category	Station	Distance	AREA (SF) Cut	Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.25	Expanded EBS Backfill 1.30	Mass Ordinate +/-
0010	873+38.55	0.00	13.36	0.00	0.00	0.00	0	0	0	0	0	0	0	0
	873+50	11.45	11.64	0.00	0.00	0.00	5	0	0	0	5	0	0	5
	874+00	50.00	5.76	0.00	5.54	0.00	16	0	5	0	21	6	0	15
	874+50	50.00	24.95	0.00	15.98	0.00	28	0	20	0	50	31	0	19
	875+00	50.00	83.23	0.00	0.00	0.00	100	0	15	0	150	50	0	100
	875+50	50.00	61.10	0.00	44.19	0.00	134	0	41	0	284	101	0	183
	876+00	50.00	20.06	0.00	30.10	0.00	75	0	69	0	359	187	0	172
	876+50	50.00	22.40	0.00	29.85	0.00	39	0	56	0	398	256	0	142
	877+00	50.00	25.36	0.00	28.01	0.00	44	0	54	0	442	323	0	119
	877+50	50.00	25.02	0.00	25.99	0.00	47	0	50	0	489	386	0	103
	878+00	50.00	21.77	0.00	25.26	0.00	43	0	47	0	532	445	0	87
	878+50	50.00	16.14	0.00	26.54	0.00	35	0	48	0	567	505	0	62
	879+00	50.00	10.99	0.00	19.86	0.00	25	0	43	0	593	559	0	34
	879+50	50.00	10.82	0.00	10.67	0.00	20	0	28	0	613	594	0	19
	880+00	50.00	9.71	0.00	1.72	0.00	19	0	11	0	632	608	0	23
	880+23.64	23.64	13.21	0.00	0.00	0.00	10	0	1	0	642	609	0	32
							642	0	488	0				

CTH E (Stage 2)

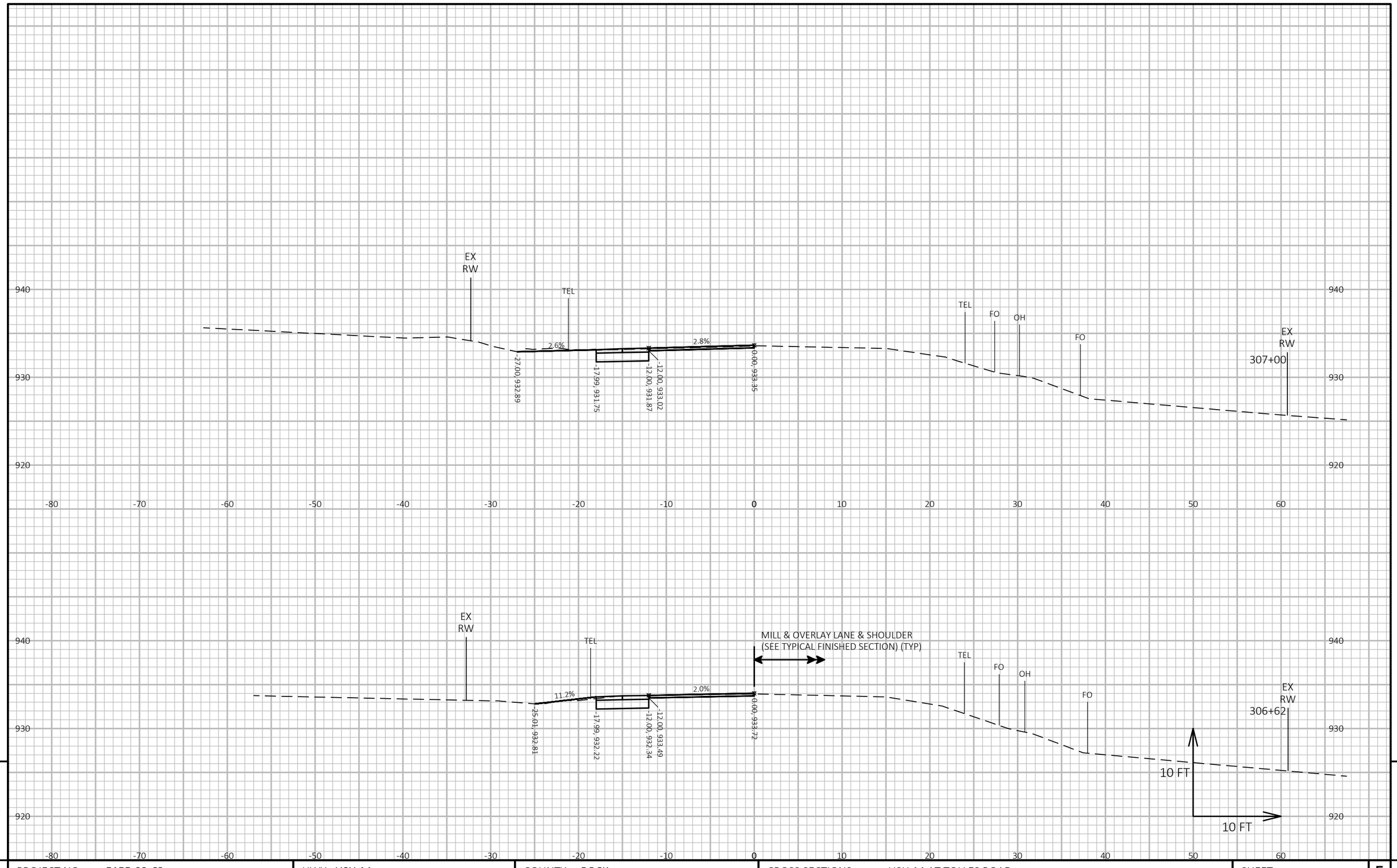
Category	Station	Distance	AREA (SF) Cut	Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.25	Expanded EBS Backfill 1.30	Mass Ordinate +/-
0010	198+50.25	0.00	57.10	14.67	0.64	0.00	0	0	0	0	0	0	0	0
	199+00	49.75	58.54	14.67	3.59	1.50	107	27	4	1	107	5	2	73
	199+50	50.00	59.21	14.67	7.55	3.25	109	27	10	4	216	18	8	138
	200+00	50.00	68.18	14.67	9.47	4.25	118	27	16	7	334	37	17	202
	200+50	50.00	70.12	14.67	7.11	3.75	128	27	15	7	462	57	26	276
	200+63.72	13.72	72.30	14.67	1.07	4.00	36	7	2	2	498	59	29	300
	201+00	36.28	108.92	14.67	3.73	4.75	122	20	3	6	620	63	36	393
	201+50	50.00	135.83	14.67	17.26	7.50	227	27	19	11	846	88	51	556
	202+00	50.00	256.74	14.67	50.91	11.75	363	27	63	18	1,210	166	74	796
							1,210	190	133	57				

Robinson Lane (Stage 2)

Category	Station	Distance	AREA (SF) Cut	Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.25	Expanded EBS Backfill 1.30	Mass Ordinate +/-
0010	203+88.30	0.00	77.85	0.00	9.09	0.00	0	0	0	0	0	0	0	0
	204+00	50.00	87.02	0.00	10.15	0.00	153	0	18	0	153	22	0	130
	204+18.19	50.00	25.17	0.00	7.24	0.00	104	0	16	0	257	42	0	214
	204+44.77	50.00	37.04	0.00	0.00	0.00	58	0	7	0	314	51	0	263
	204+84.25	21.51	38.90	0.00	0.00	0.00	30	0	0	0	344	51	0	294
							344	0	41	0				

CTH F (Stage 2)

Category	Station	Distance	AREA (SF) Cut	Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.25	Expanded EBS Backfill 1.30	Mass Ordinate +/-
0010	260+75.22	0.00	89.81	0.00	54.08	3.00	0	0	0	0	0	0	0	0
	261+00	24.78	95.66	0.00	26.88	2.50	85	0	37	3	85	46	3	36
	261+44.32	44.32	41.09	0.00	0.00	1.25	112	0	22	3	197	74	7	118
							197	0	59	6				



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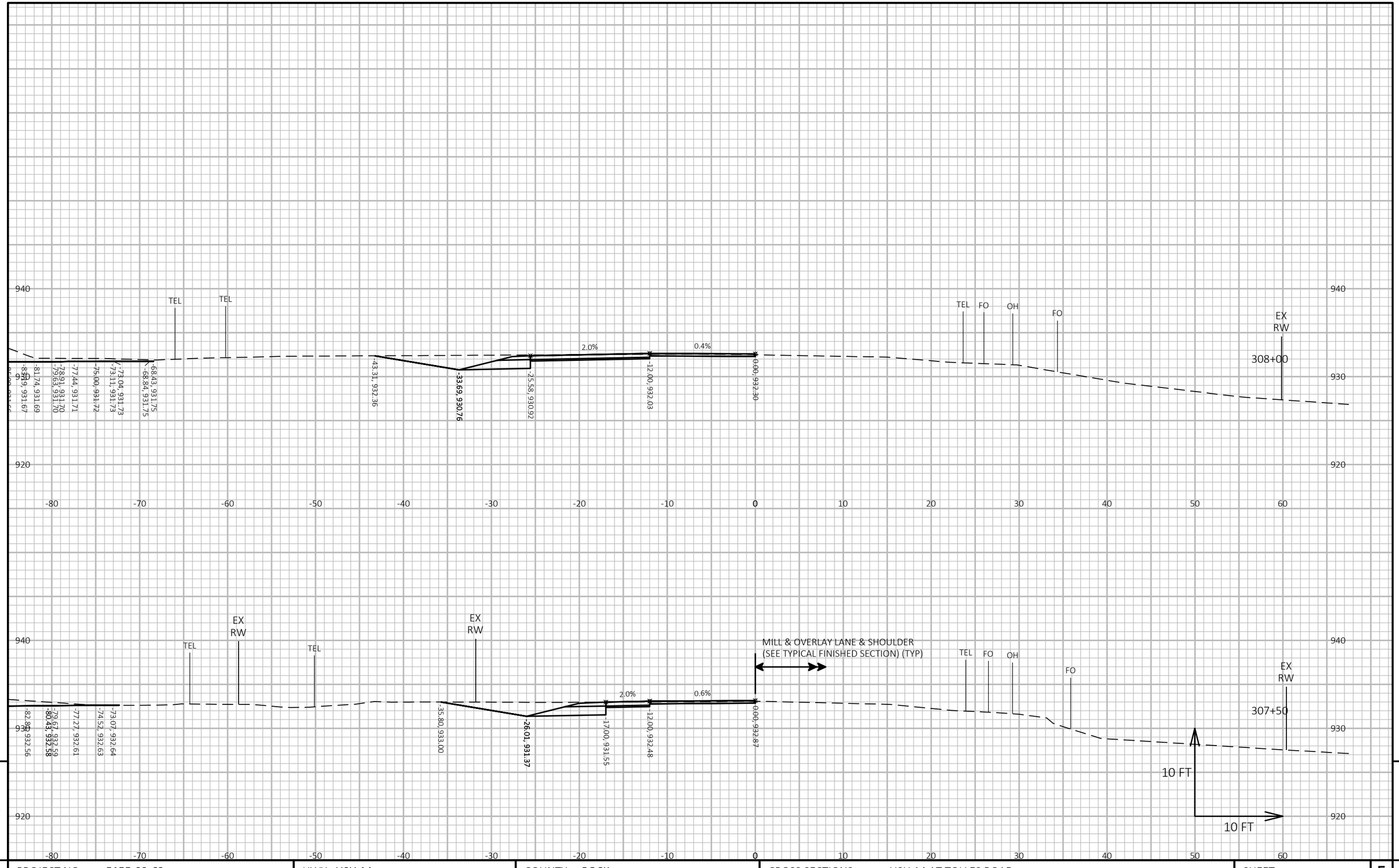
PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT TOLLES ROAD	SHEET 367	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (1)

PLOT DATE : 1/27/2020 11:19 AM PLOT BY : AYRES ASSOCIATES PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

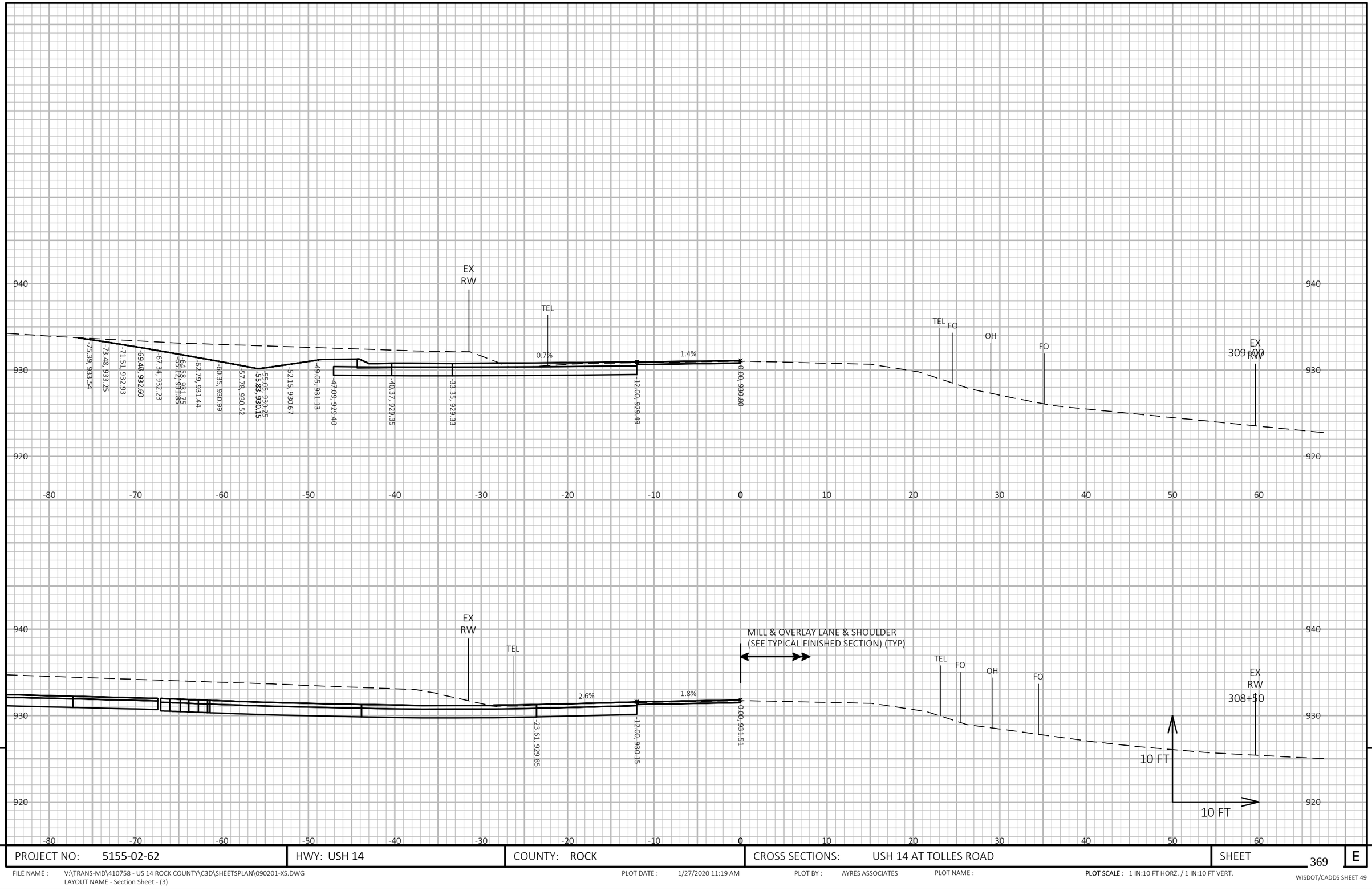
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT TOLLES ROAD	SHEET 368	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (2)

PLOT DATE : 1/27/2020 11:19 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

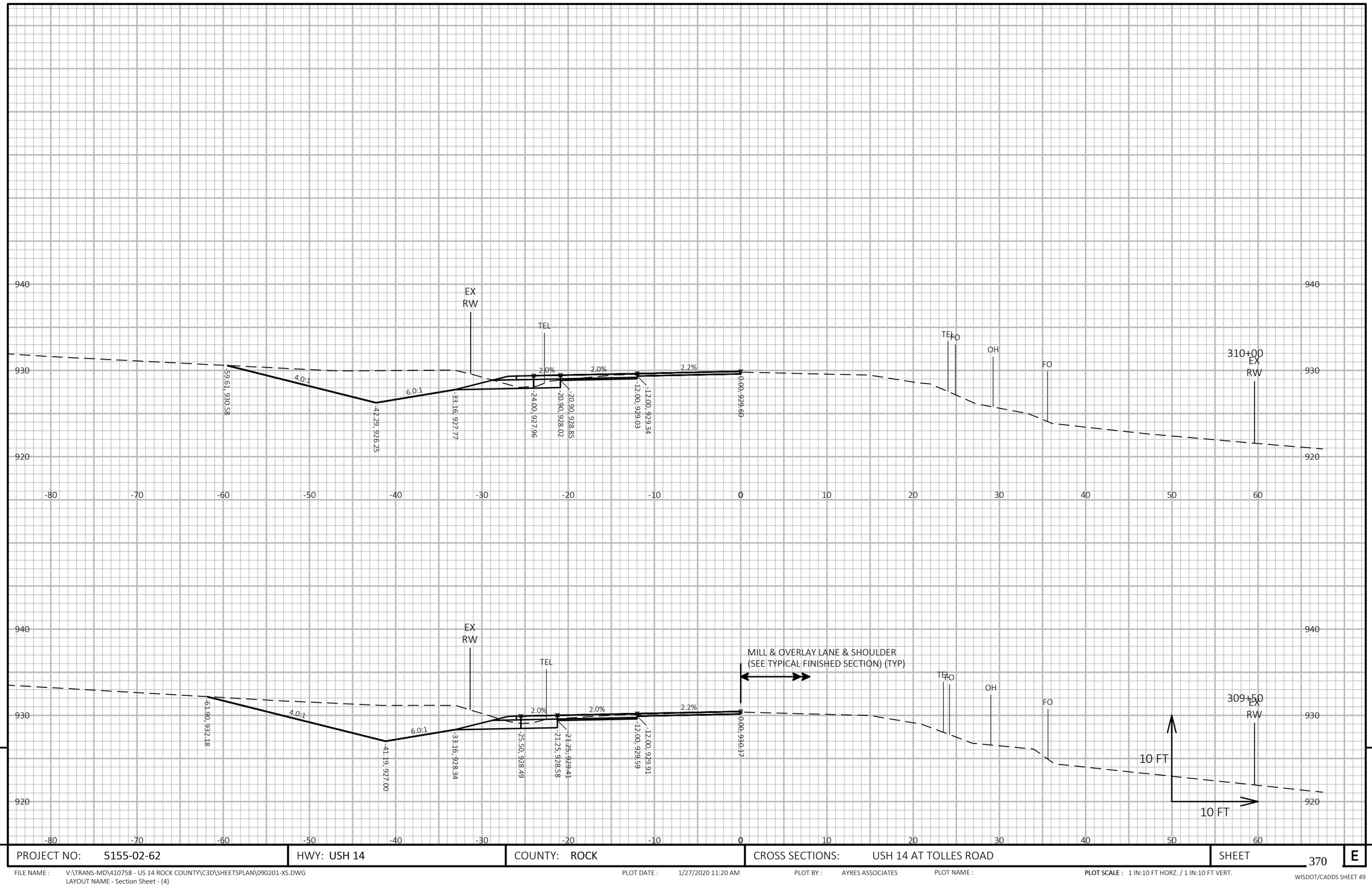
PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT TOLLES ROAD	SHEET 369	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (3)

PLOT DATE : 1/27/2020 11:19 AM PLOT BY : AYRES ASSOCIATES PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



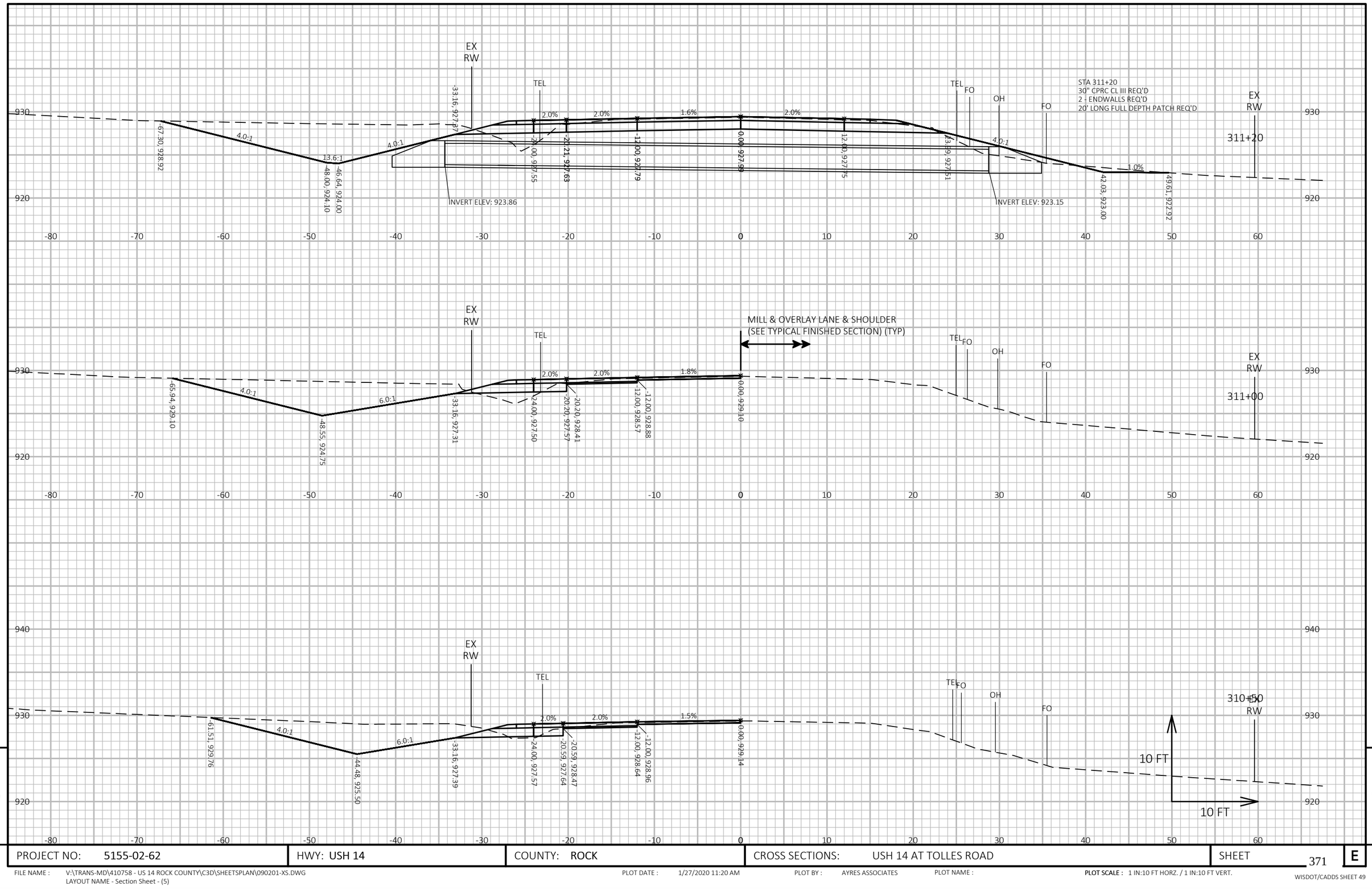
PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT TOLLES ROAD	SHEET 370	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (4)

PLOT DATE : 1/27/2020 11:20 AM PLOT BY : AYRES ASSOCIATES PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

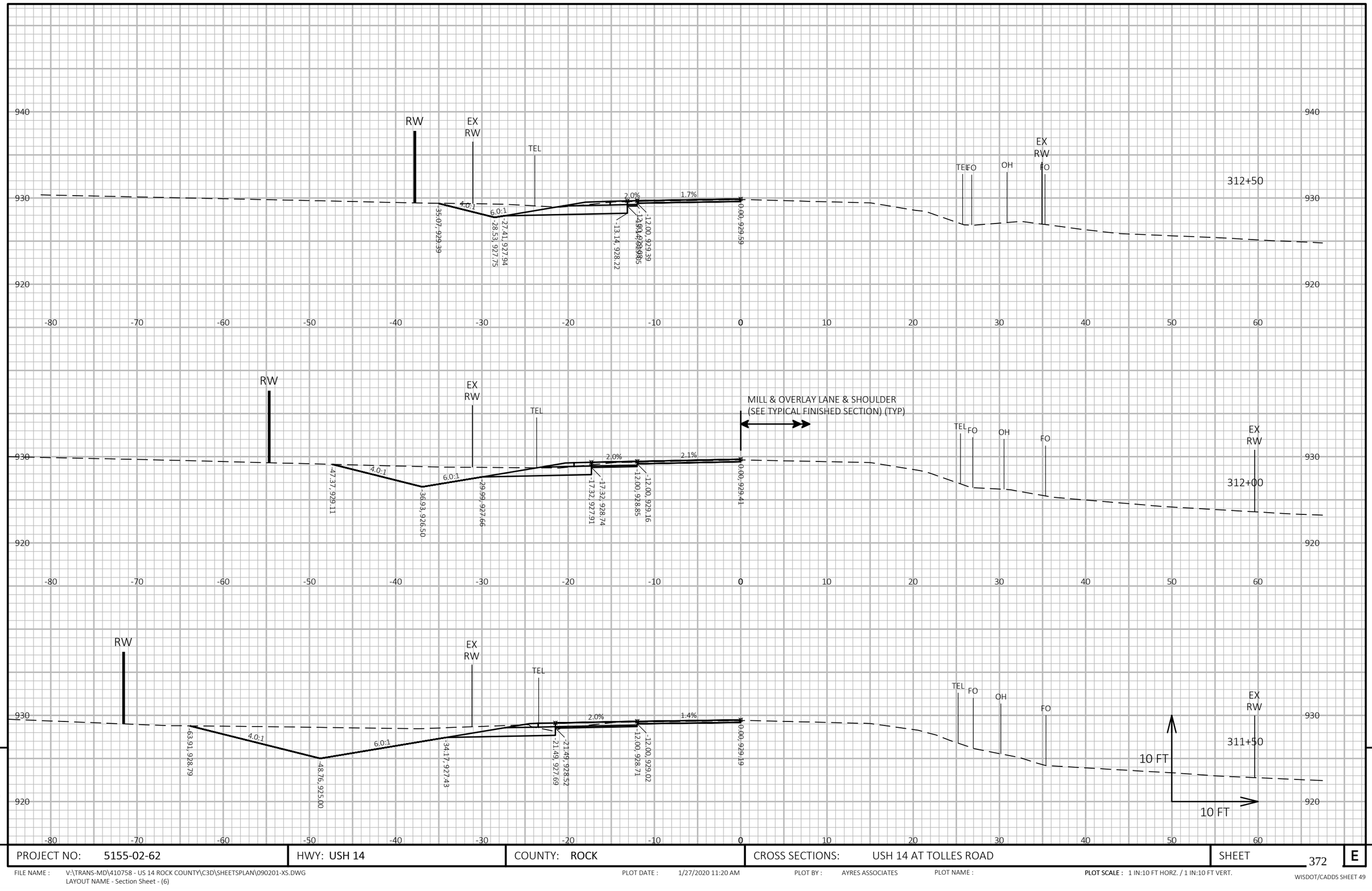
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT TOLLES ROAD	SHEET 371	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (5)

PLOT DATE : 1/27/2020 11:20 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT TOLLES ROAD	SHEET 372	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - Section Sheet - (6)

PLOT DATE : 1/27/2020 11:20 AM PLOT BY : AYRES ASSOCIATES PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

STA 421+31
EXISTING 30" CPRC TO REMAIN
EXTEND CL III 4' LT AND 6' RT
CONCRETE COLLARS PER SDD 8F4 REQ'D LT & RT
2 - ENDWALLS REQ'D

EX RW
OH
TEL
TEL
FO
EX RW
RW
TLE
4.0:1
4.0:1
4.0:1
INVERT ELEV: 924.10
INVERT ELEV: 923.78
-49.10, 927.12
-37.62, 924.25
-36.32, 924.25
40.94, 923.60
47.63, 923.37
930
920
421+31
-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

EX RW
OH
TEL
TEL
EX RW
FO
RW
TLE
4.0:1
4.0:1
4.0:1
-45.19, 926.94
-35.34, 924.48
32.88, 924.97
930
920
421+25
-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

EX RW
TEL
TEL
EX RW
FO
TLE
10 FT
10 FT
930
920
421+00
-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

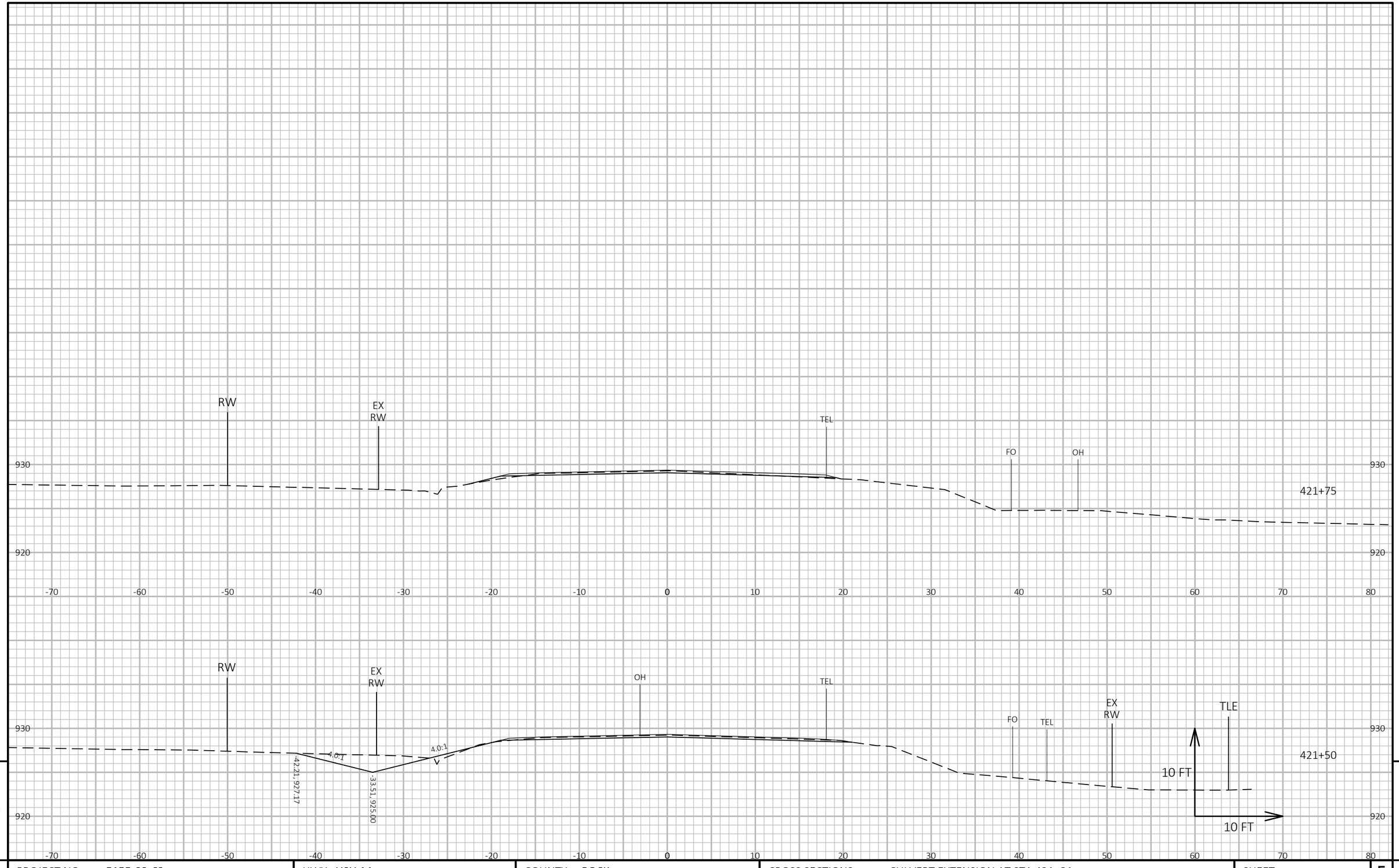
9

9

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: CULVERT EXTENSION AT STA 421+31	SHEET 373	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090209-XS CULVERT AT STA 421-31.DWG
LAYOUT NAME - xs01

PLOT DATE : 10/25/2019 12:07 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

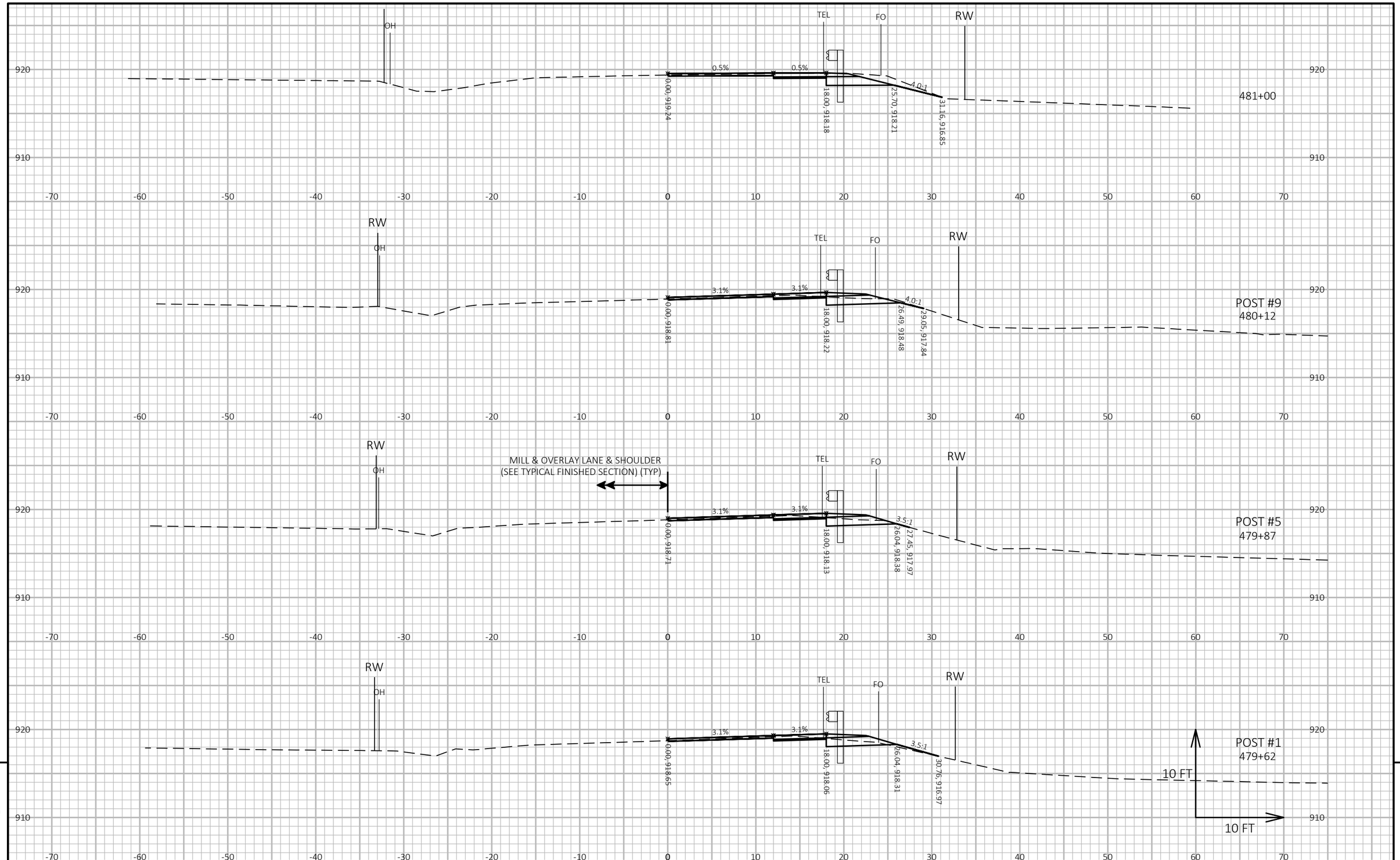
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: CULVERT EXTENSION AT STA 421+31	SHEET 374	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090209-XS CULVERT AT STA 421-31.DWG
LAYOUT NAME - xs02

PLOT DATE : 10/25/2019 12:07 PM PLOT BY : AYRES ASSOCIATES 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: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: GUARDRAIL 479+62 TO 483+30	SHEET 375	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090210-XS BG AT STA 480.DWG
LAYOUT NAME - BG1

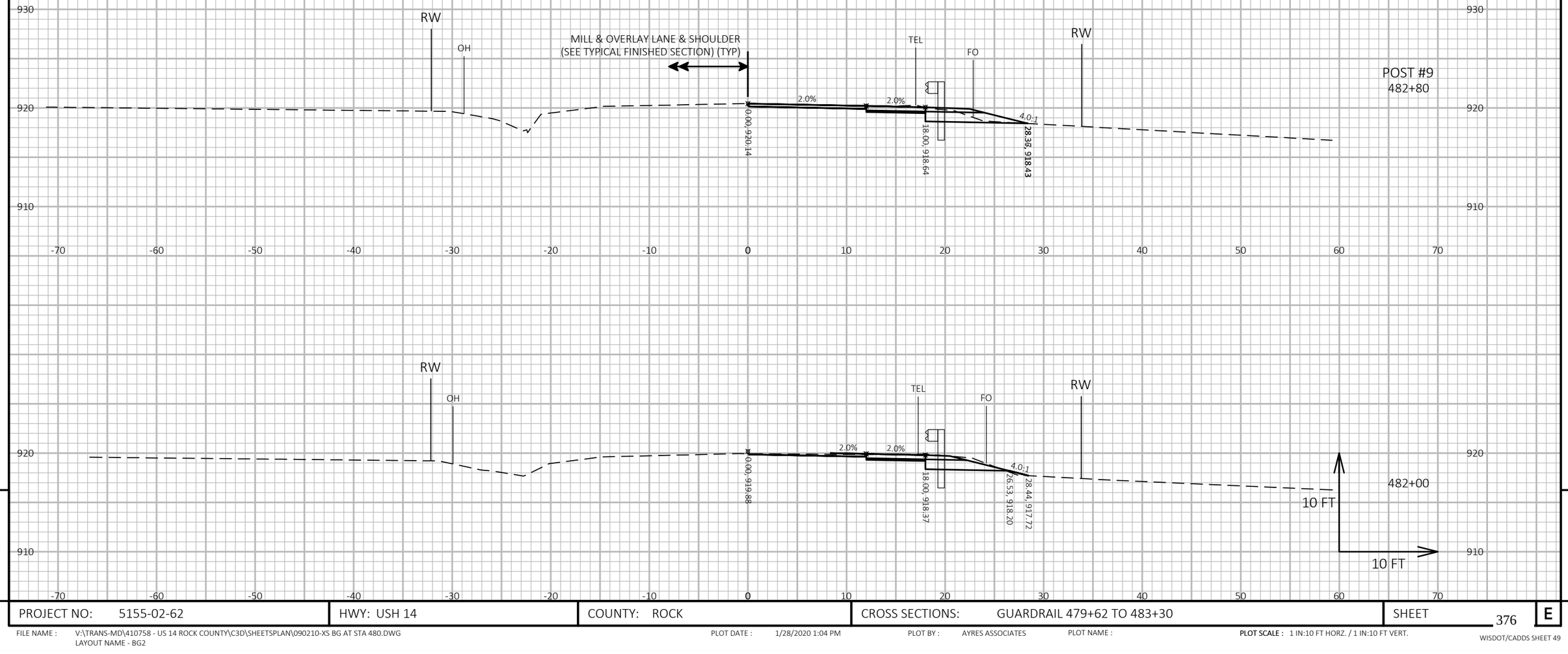
PLOT DATE : 1/28/2020 1:04 PM

PLOT BY : AYRES ASSOCIATES

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

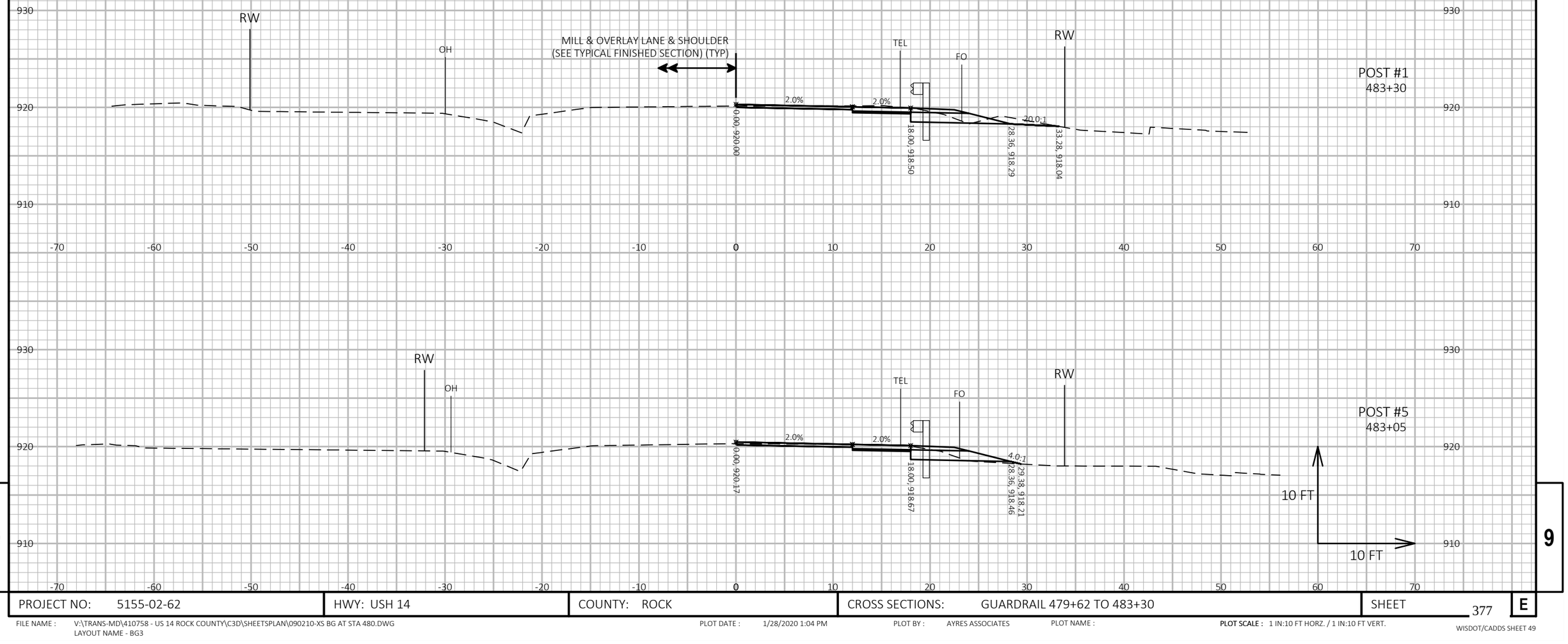
9

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: GUARDRAIL 479+62 TO 483+30	SHEET 376	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090210-XS BG AT STA 480.DWG
LAYOUT NAME - BG2

PLOT DATE : 1/28/2020 1:04 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

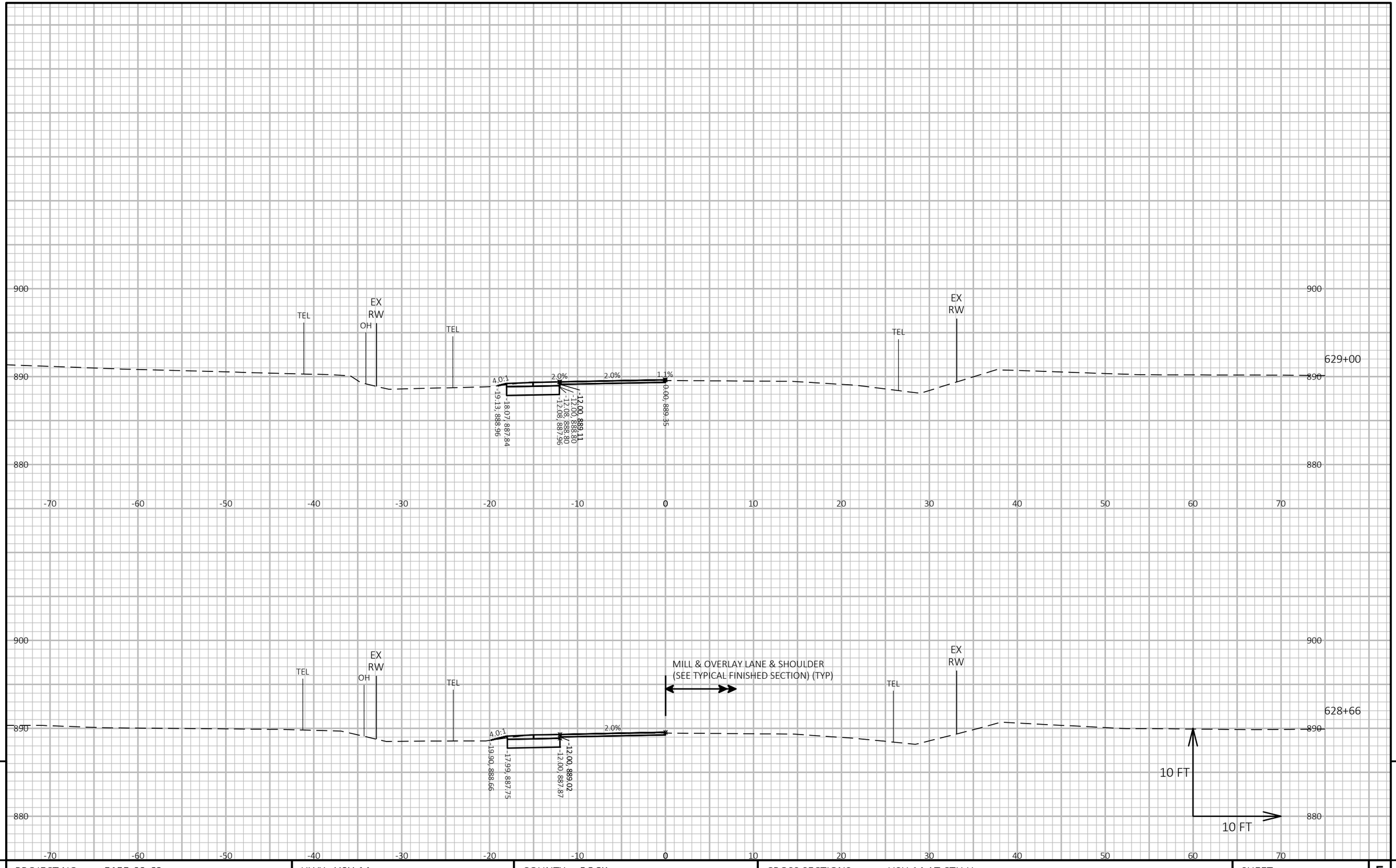
9

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: GUARDRAIL 479+62 TO 483+30	SHEET 377	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090210-XS BG AT STA 480.DWG
LAYOUT NAME - BG3

PLOT DATE : 1/28/2020 1:04 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

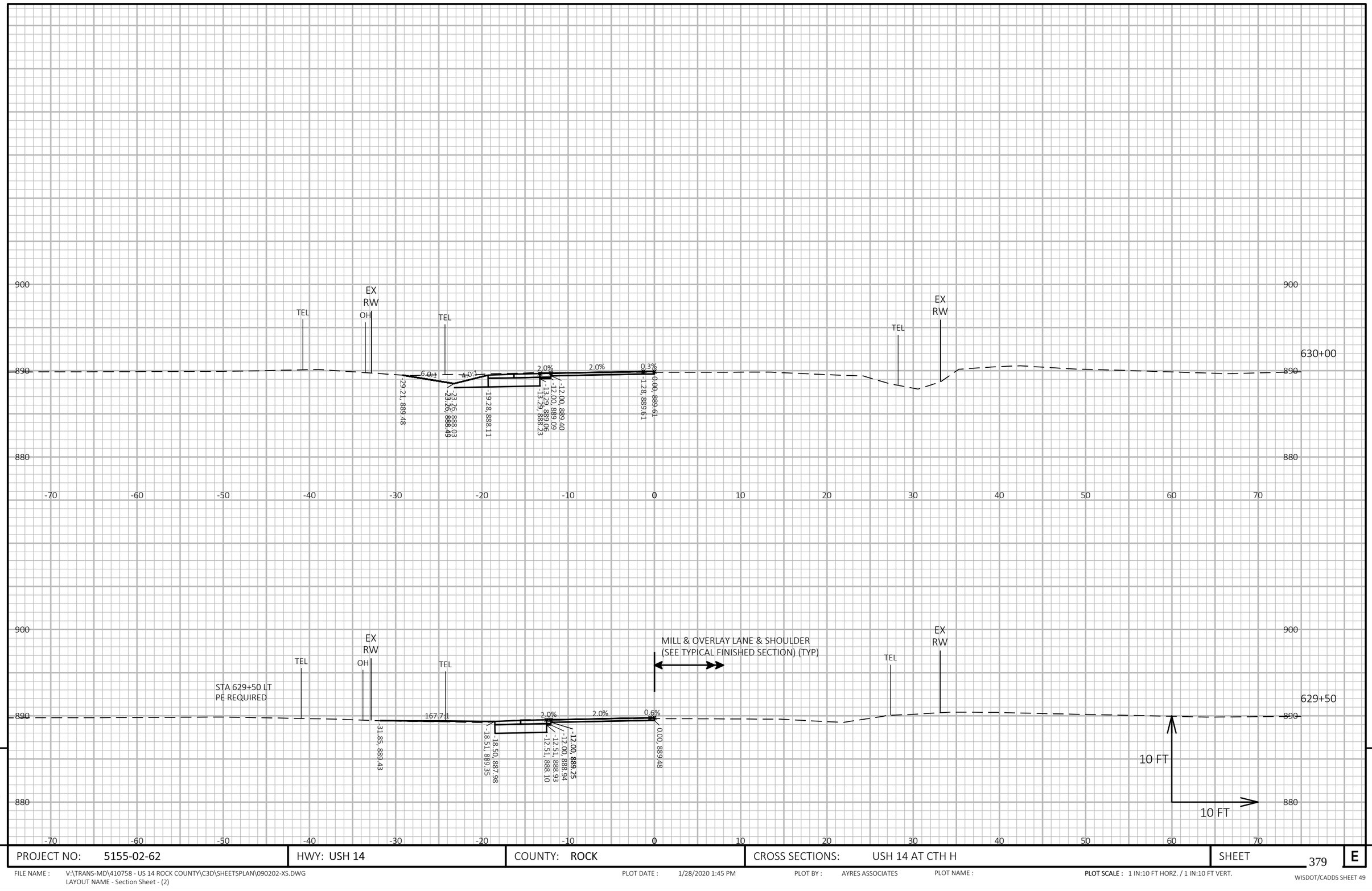
PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH H	SHEET 378	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (1)

PLOT DATE : 1/28/2020 1:45 PM PLOT BY : AYRES ASSOCIATES PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



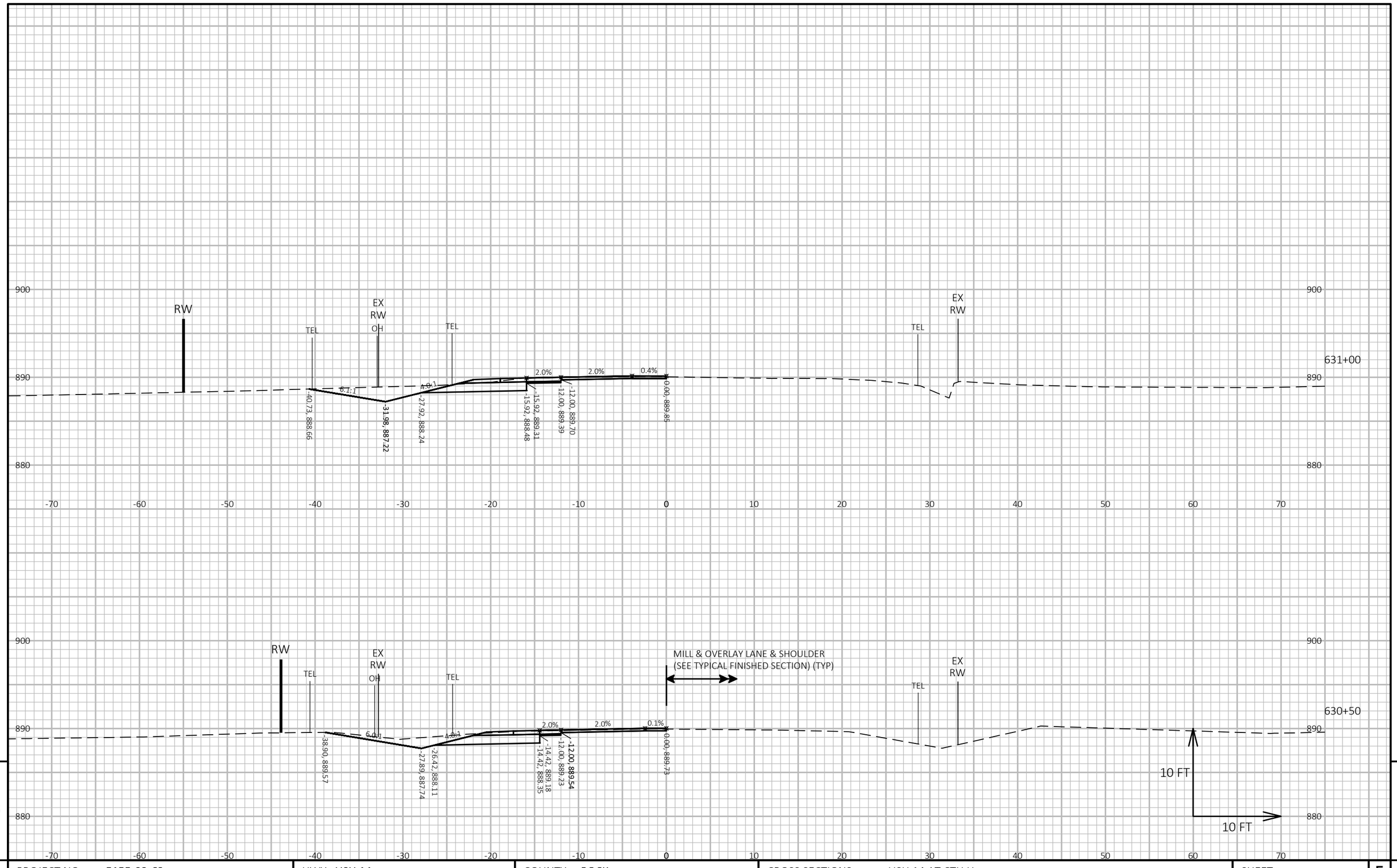
PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH H	SHEET 379	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (2)

PLOT DATE : 1/28/2020 1:45 PM PLOT BY : AYRES ASSOCIATES PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

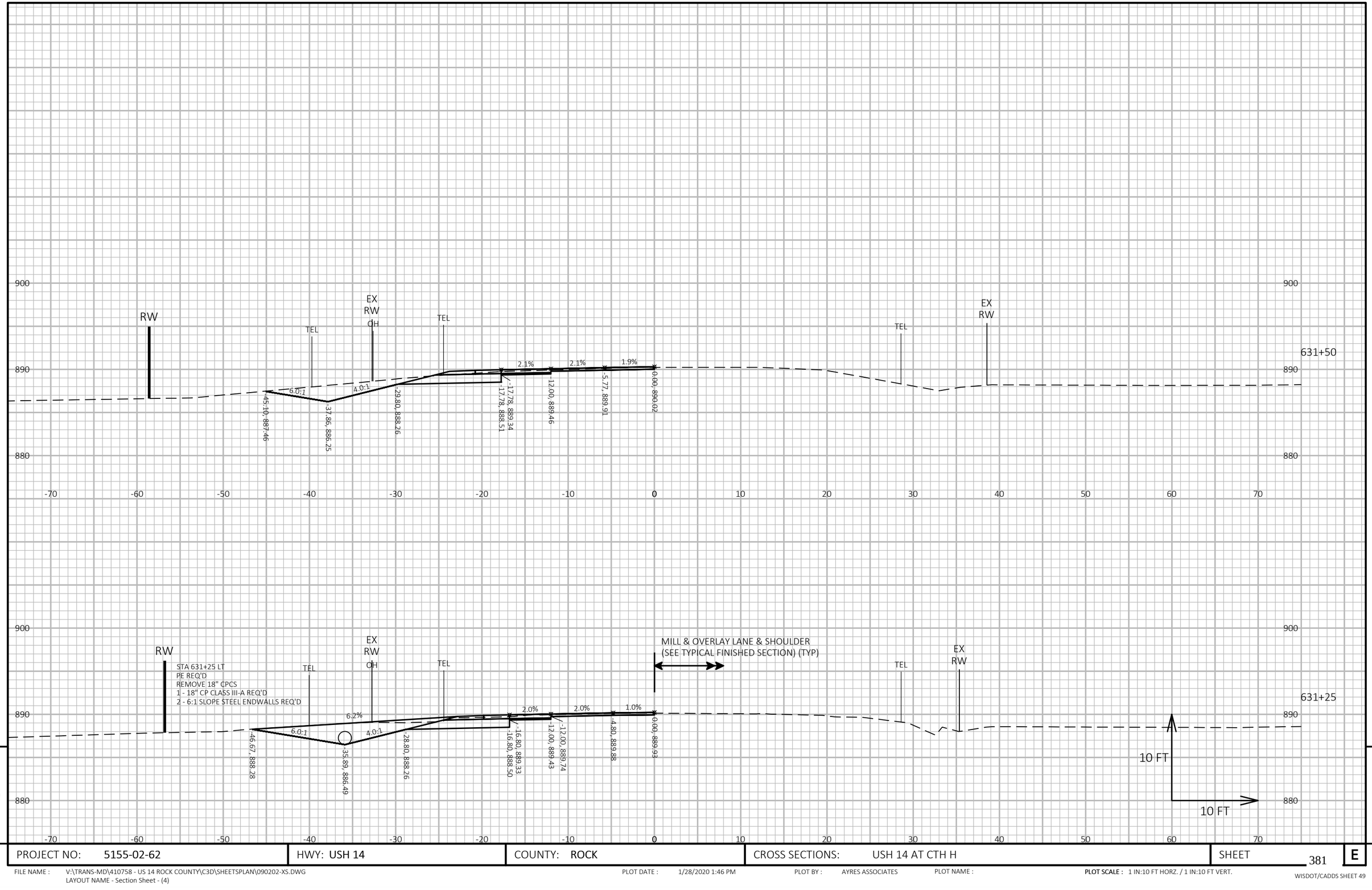


PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH H	SHEET 380	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (3)

PLOT DATE : 1/28/2020 1:45 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH H	SHEET 381	E

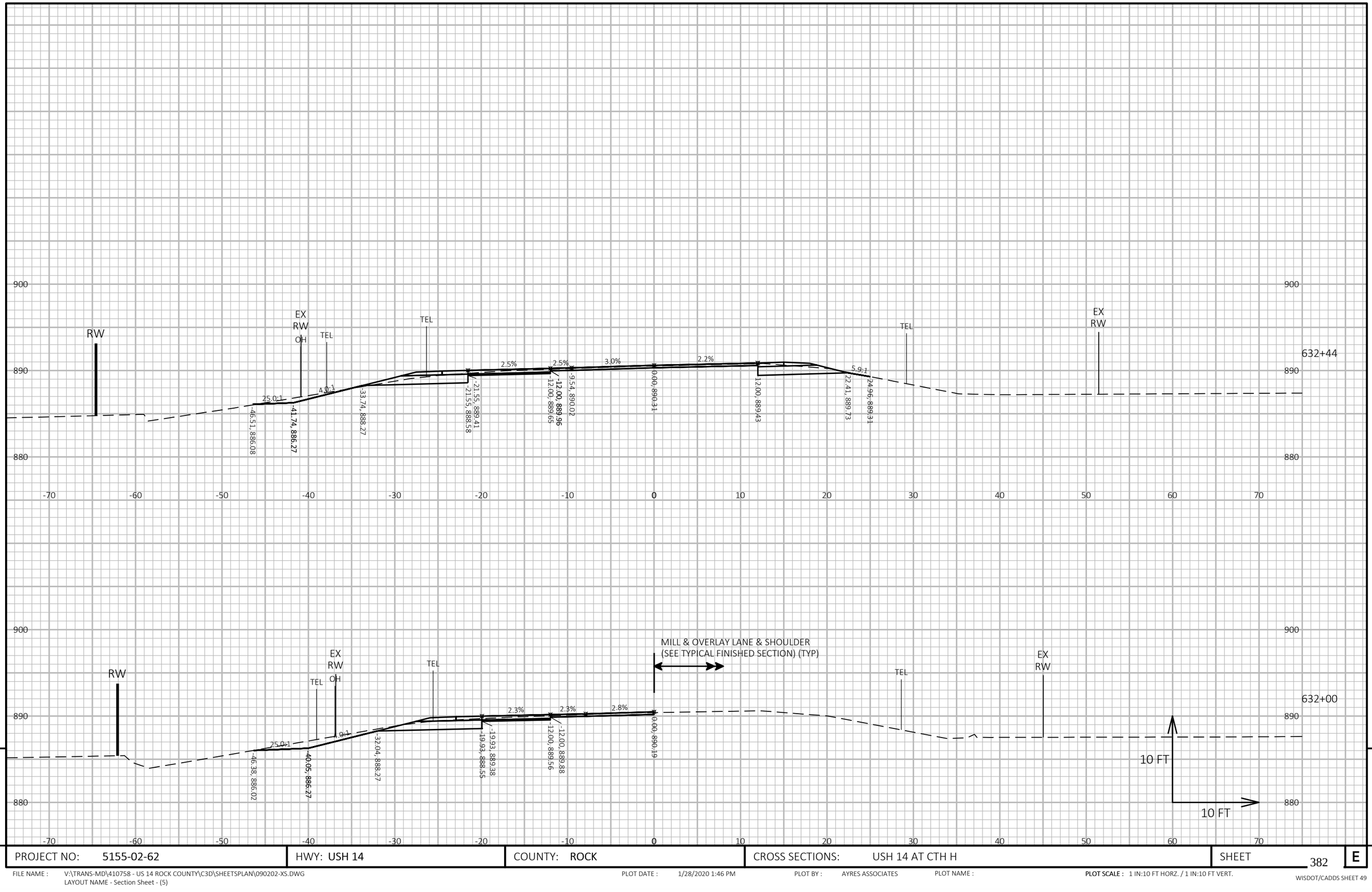
FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (4)

PLOT DATE : 1/28/2020 1:46 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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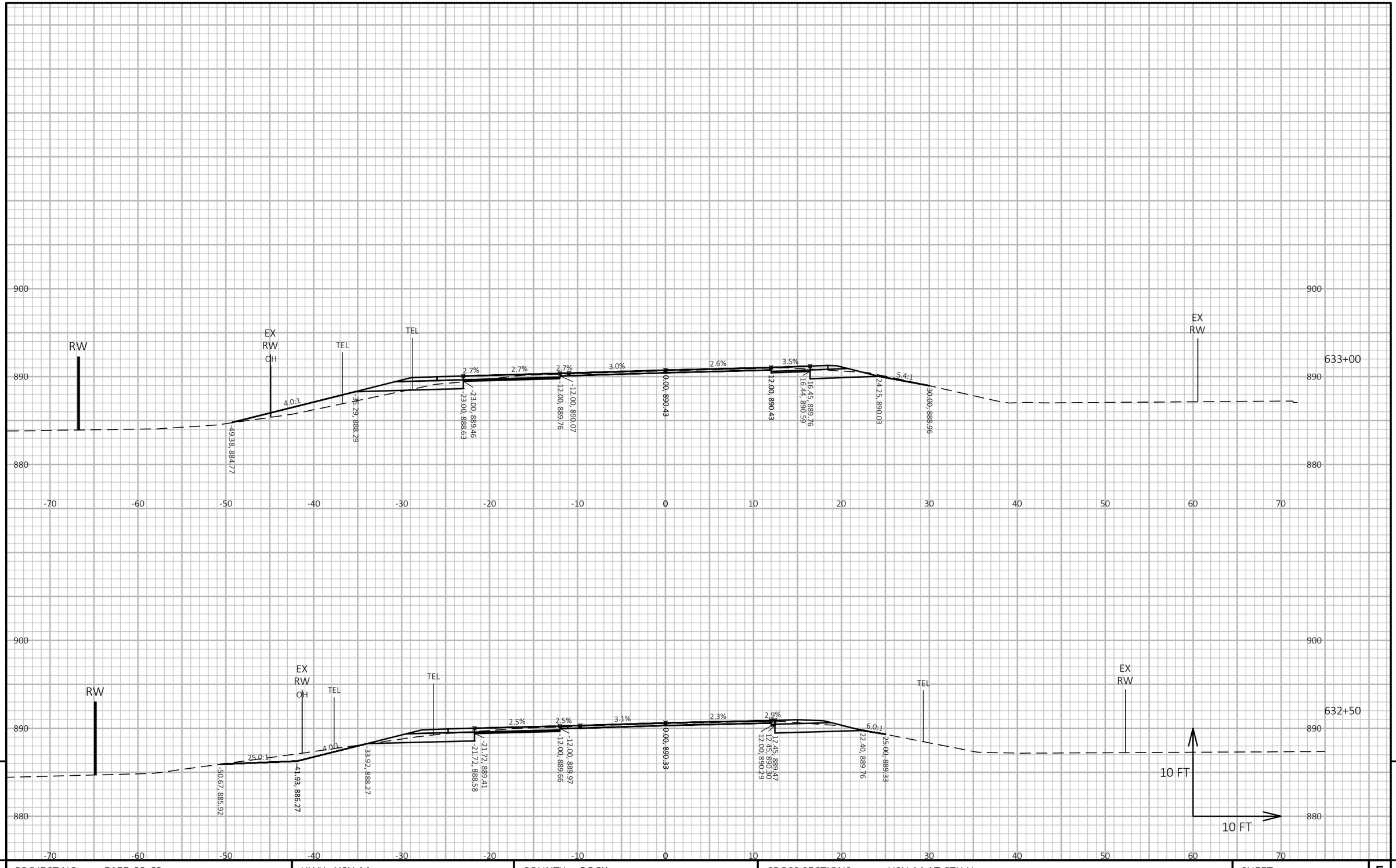


PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH H	SHEET 382	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (5)

PLOT DATE : 1/28/2020 1:46 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH H	SHEET 383	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (6)

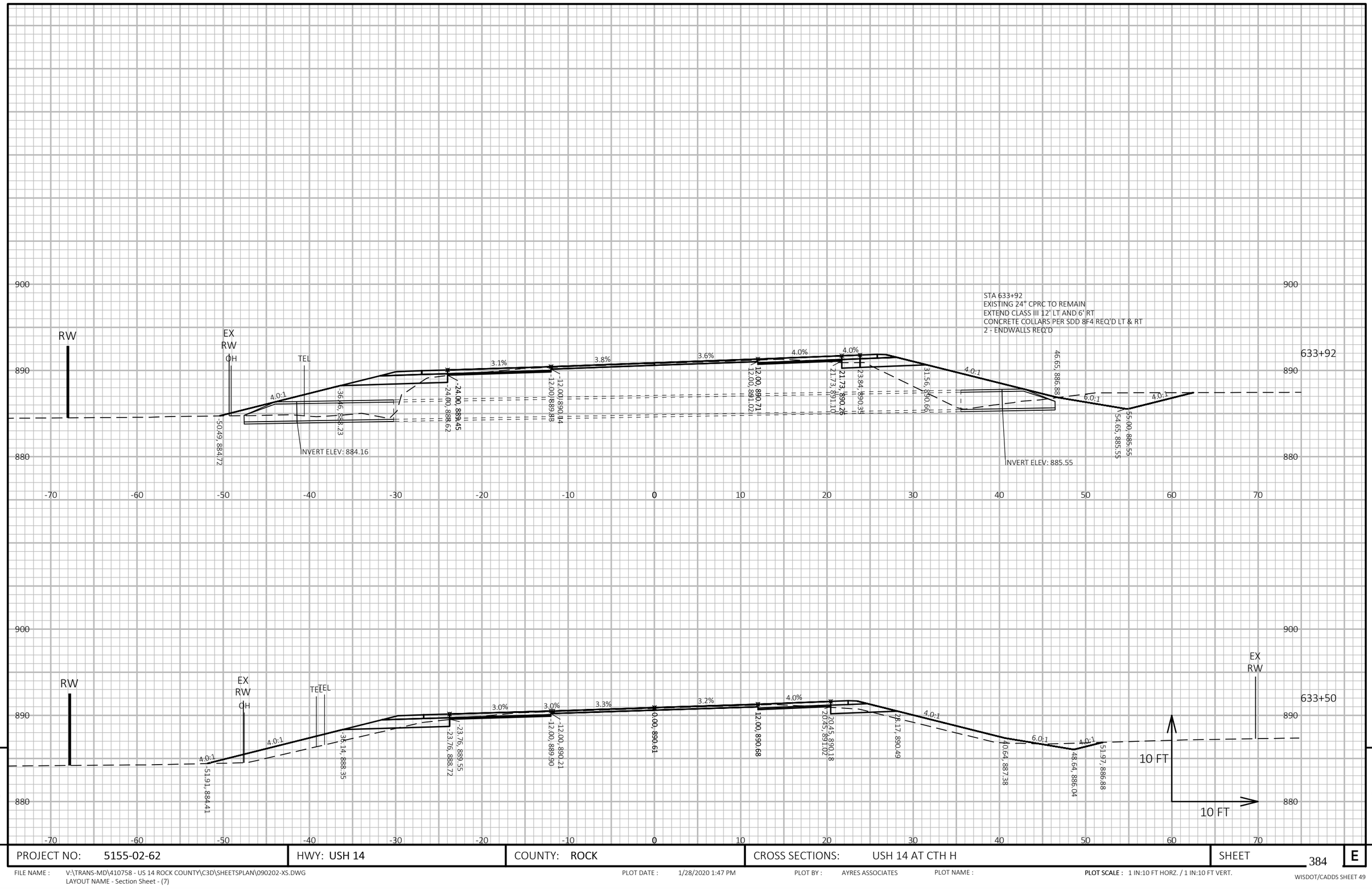
PLOT DATE : 1/28/2020 1:46 PM

PLOT BY : AYRES ASSOCIATES

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

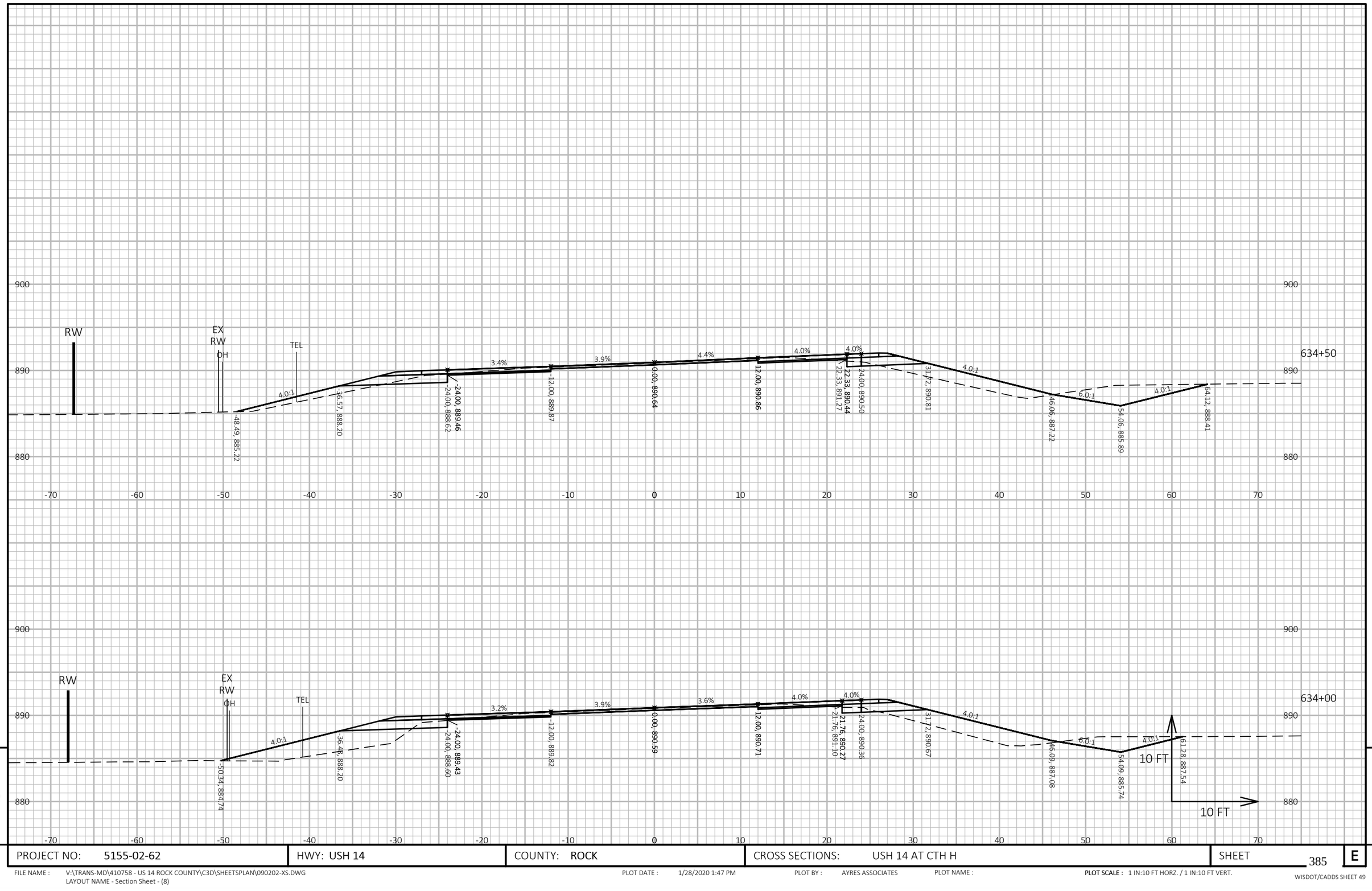
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH H	SHEET 384	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (7)

PLOT DATE : 1/28/2020 1:47 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

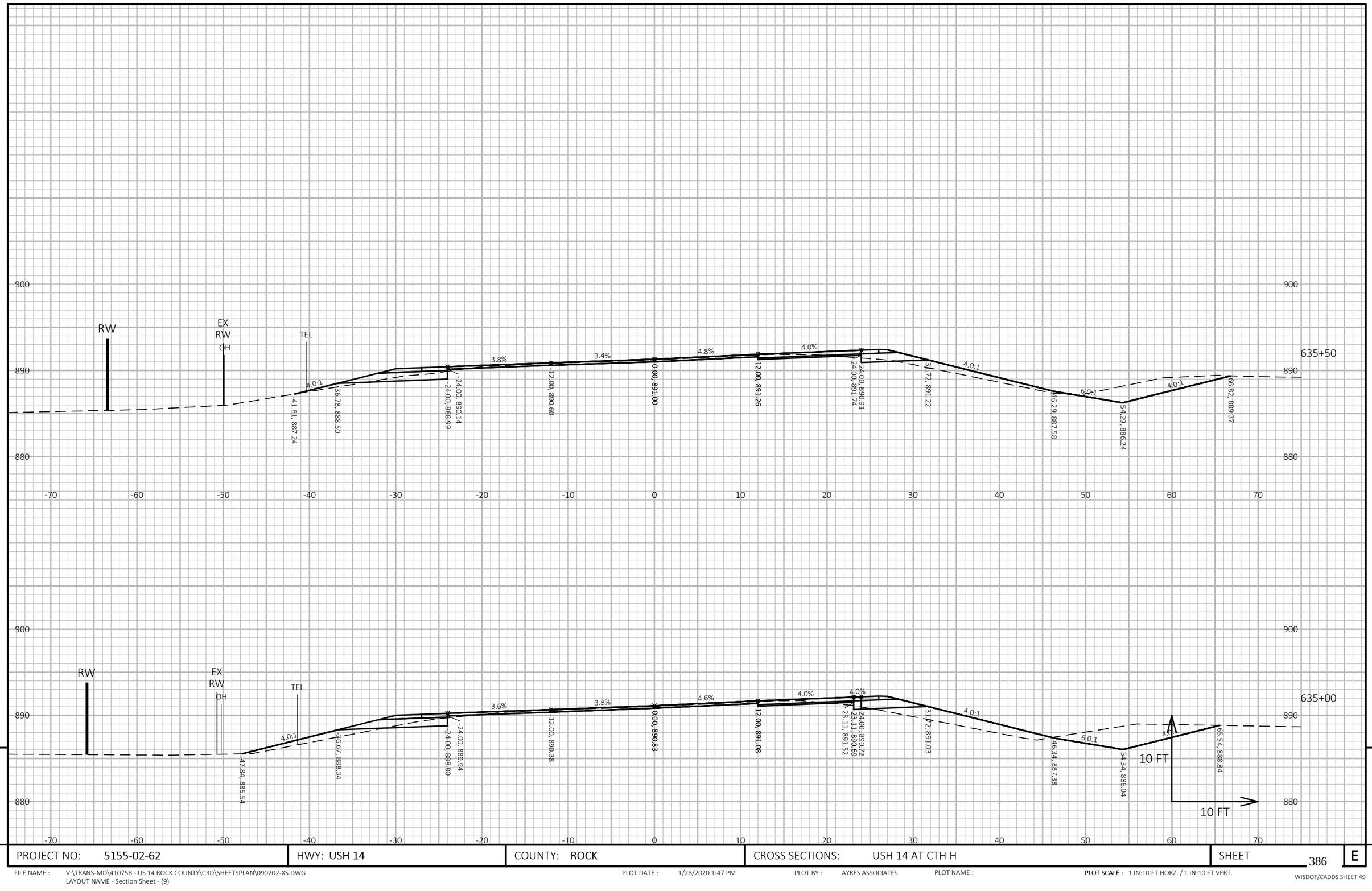
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH H	SHEET 385	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (8)

PLOT DATE : 1/28/2020 1:47 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

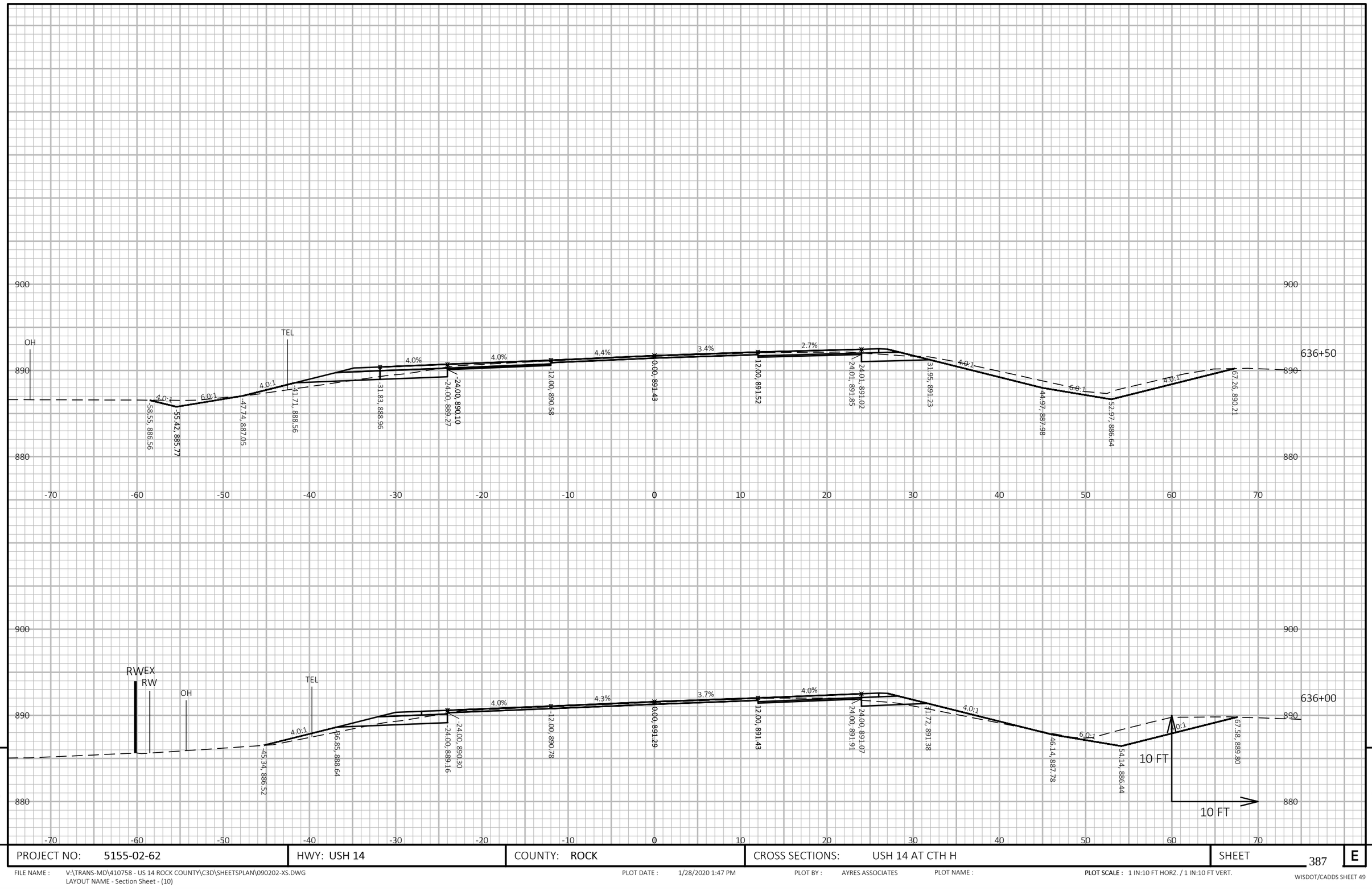


PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH H	SHEET 386	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (9)

PLOT DATE : 1/28/2020 1:47 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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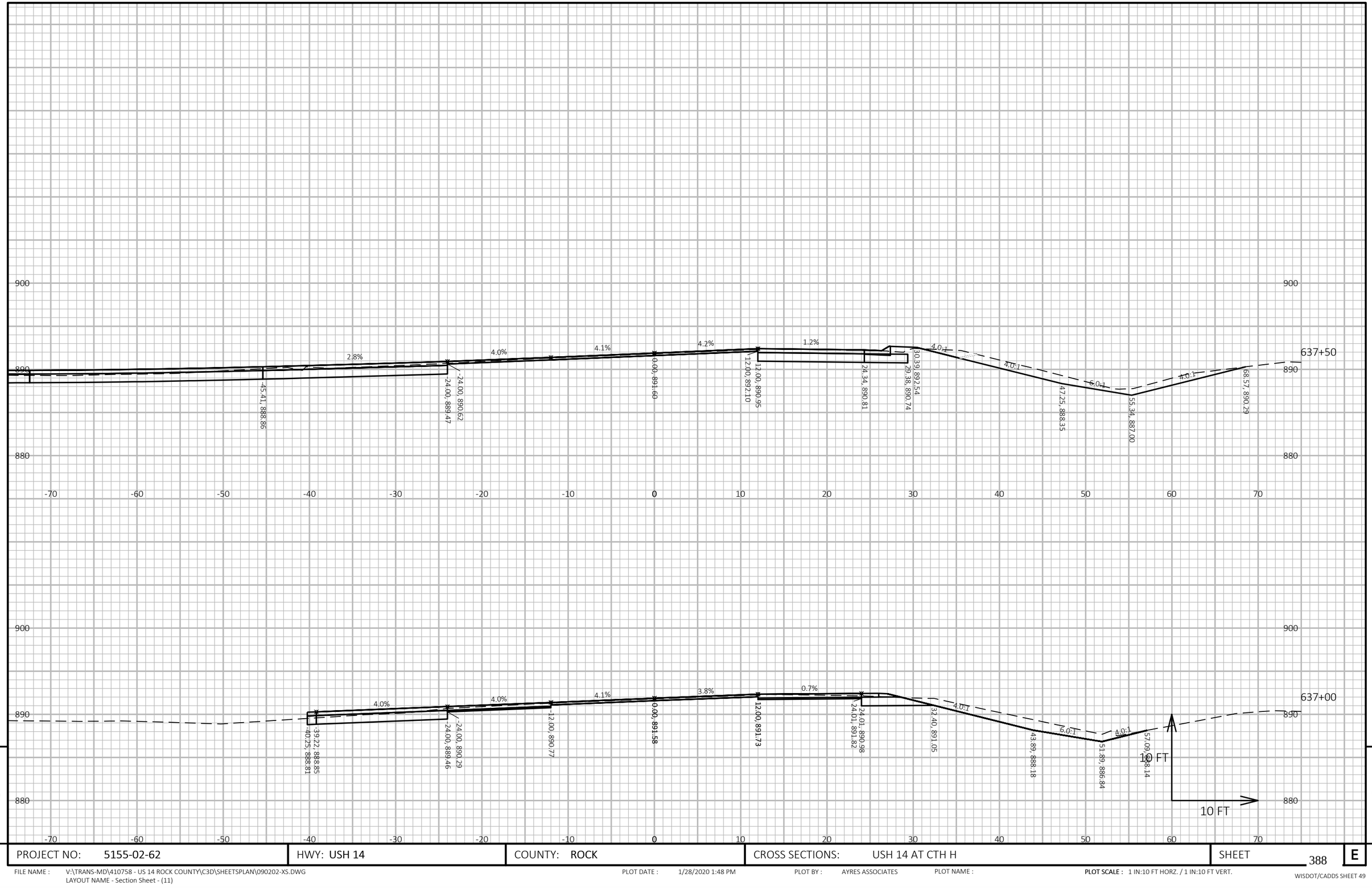
PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH H	SHEET 387	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (10)

PLOT DATE : 1/28/2020 1:47 PM PLOT BY : AYRES ASSOCIATES PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

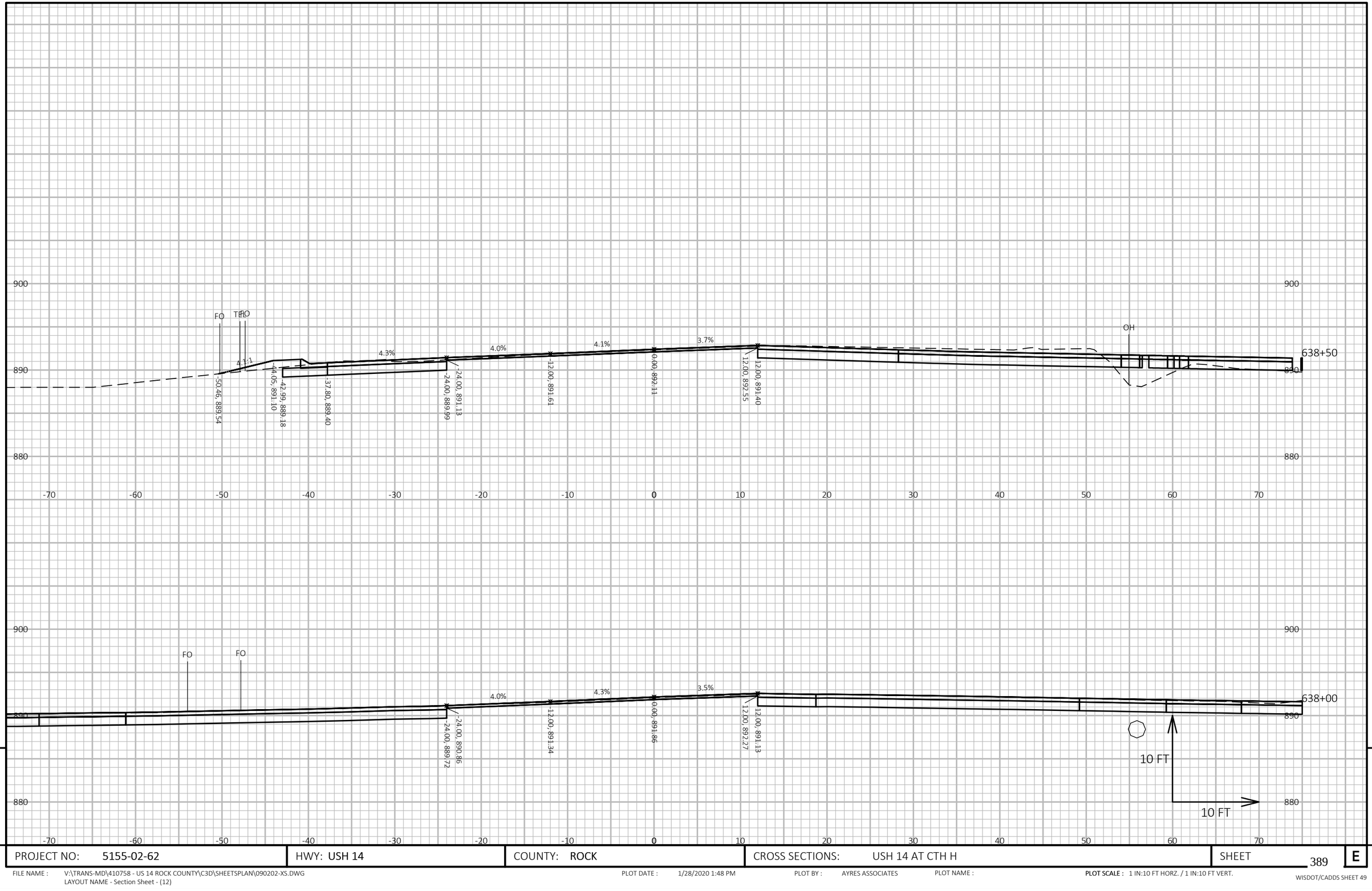


PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH H	SHEET 388	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (11)

PLOT DATE : 1/28/2020 1:48 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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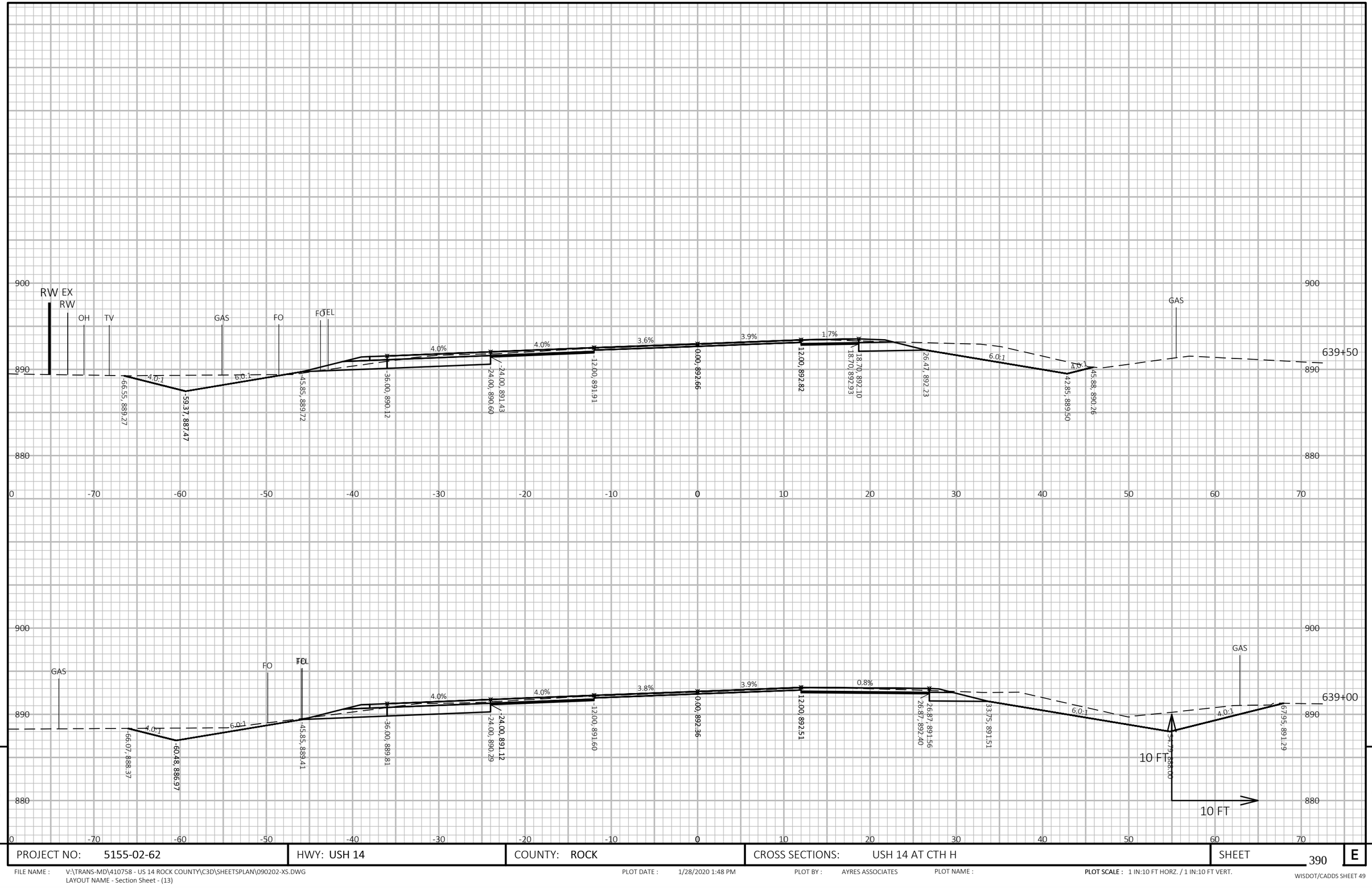
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH H	SHEET 389	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (12)

PLOT DATE : 1/28/2020 1:48 PM PLOT BY : AYRES ASSOCIATES PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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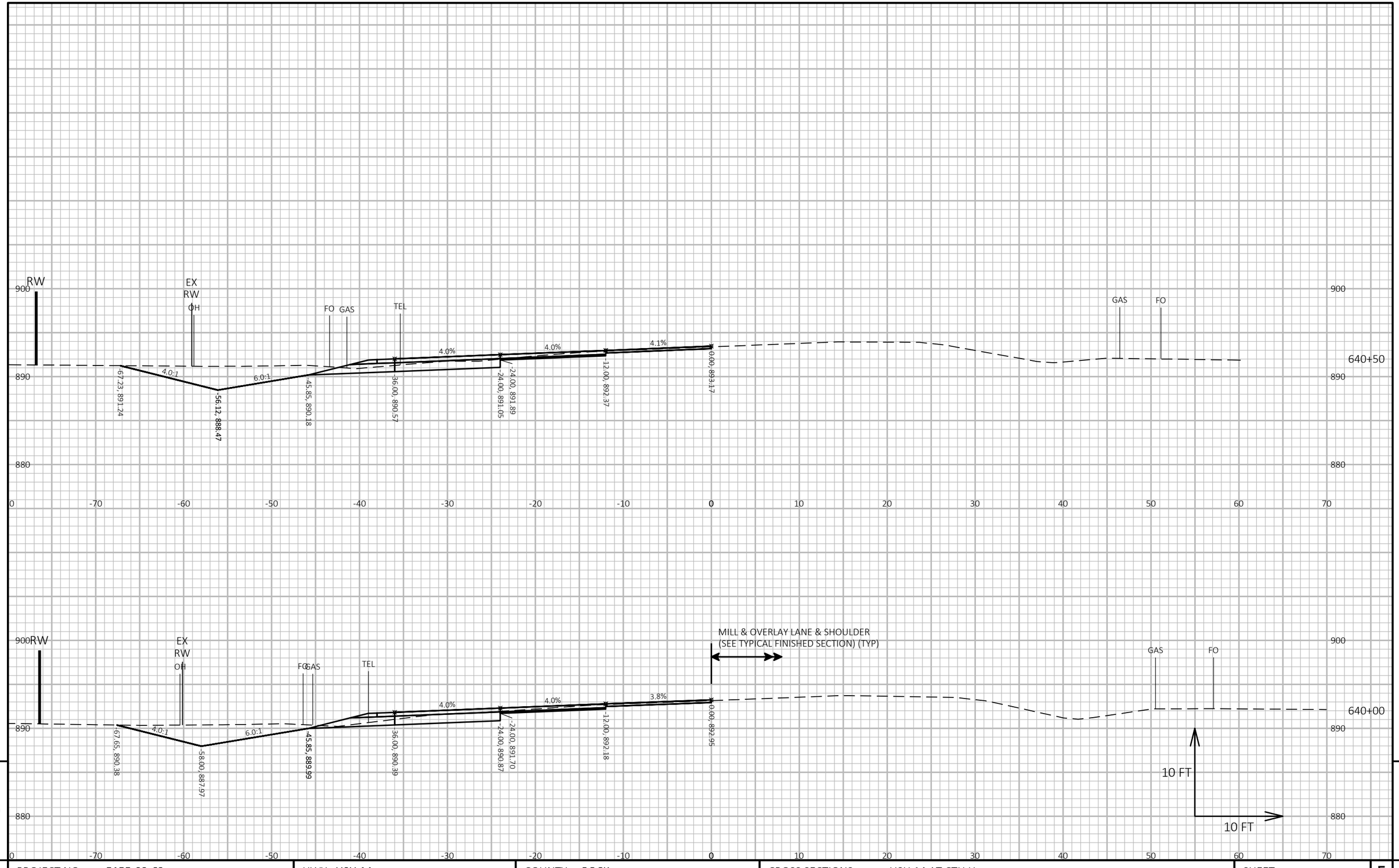
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH H	SHEET 390	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (13)

PLOT DATE : 1/28/2020 1:48 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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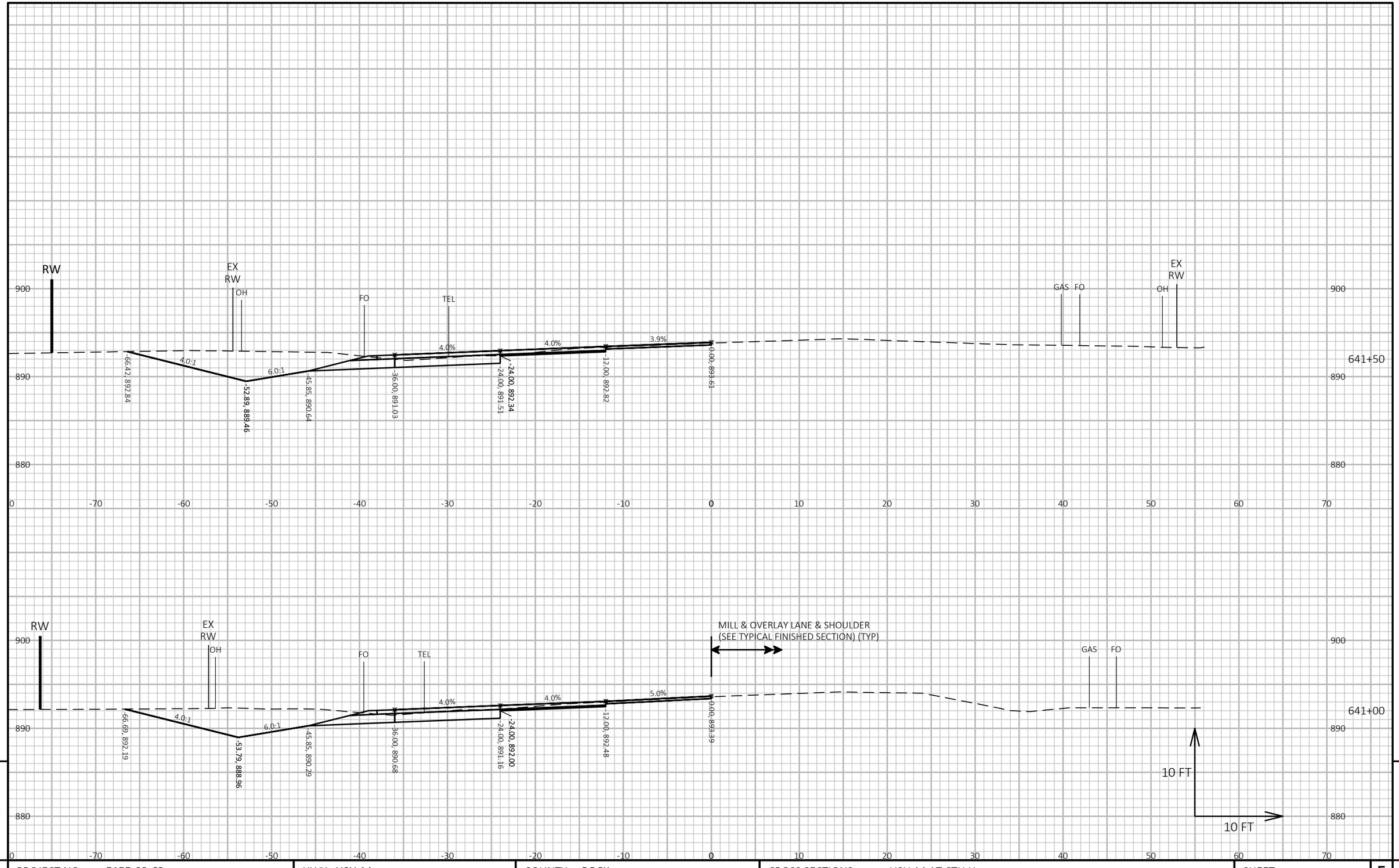
PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH H	SHEET 391	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (14)

PLOT DATE : 1/28/2020 1:49 PM PLOT BY : AYRES ASSOCIATES PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH H	SHEET 392	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (15)

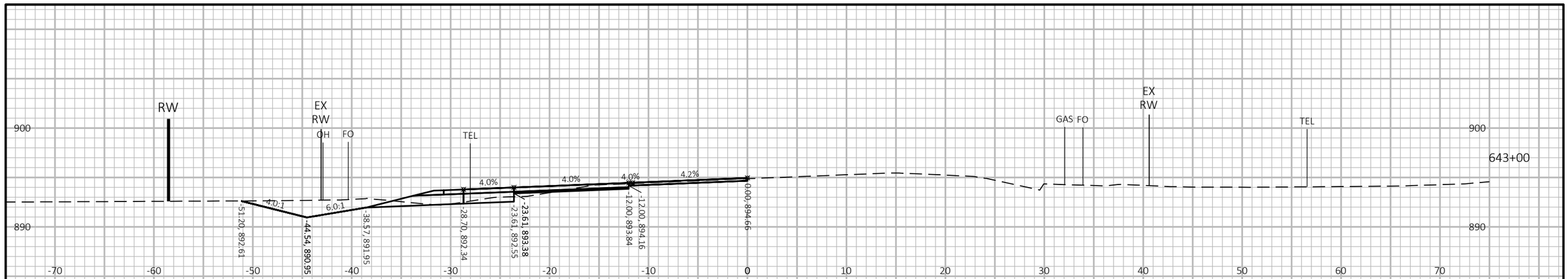
PLOT DATE : 1/28/2020 1:49 PM

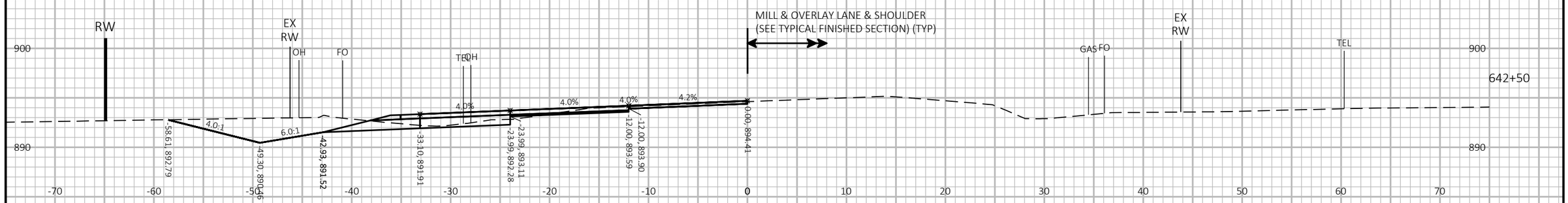
PLOT BY : AYRES ASSOCIATES

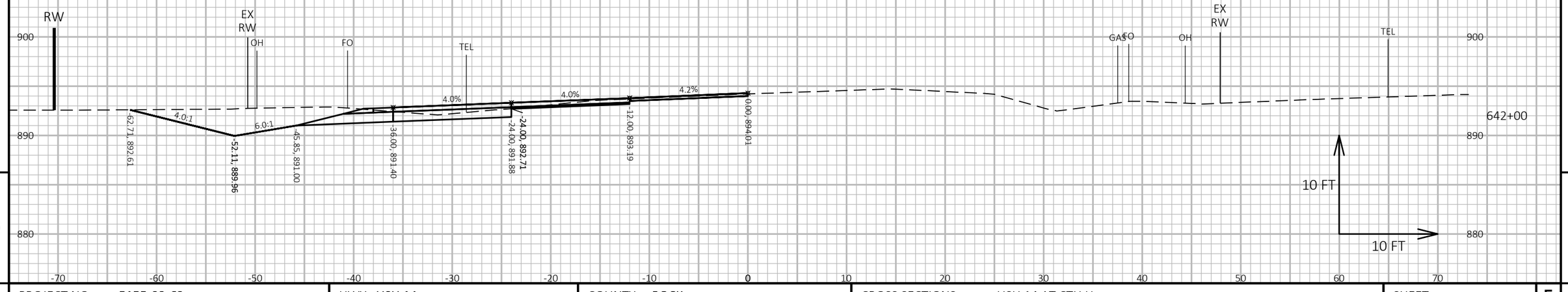
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH H	SHEET 393	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (16)

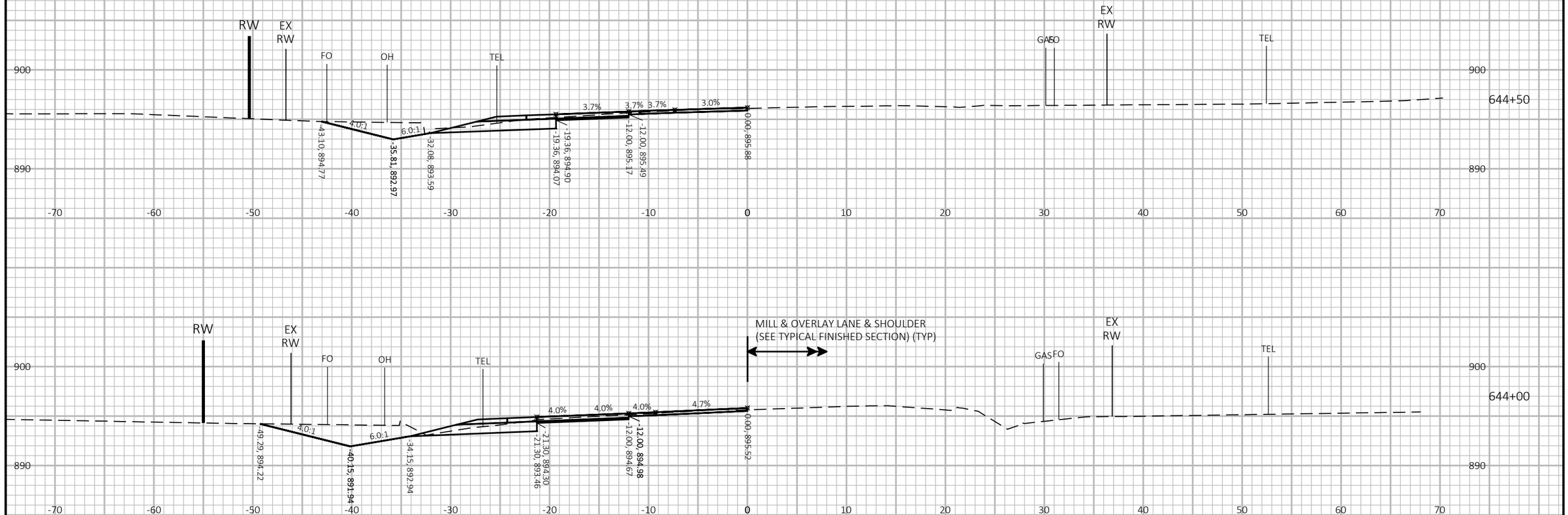
PLOT DATE : 1/28/2020 1:49 PM

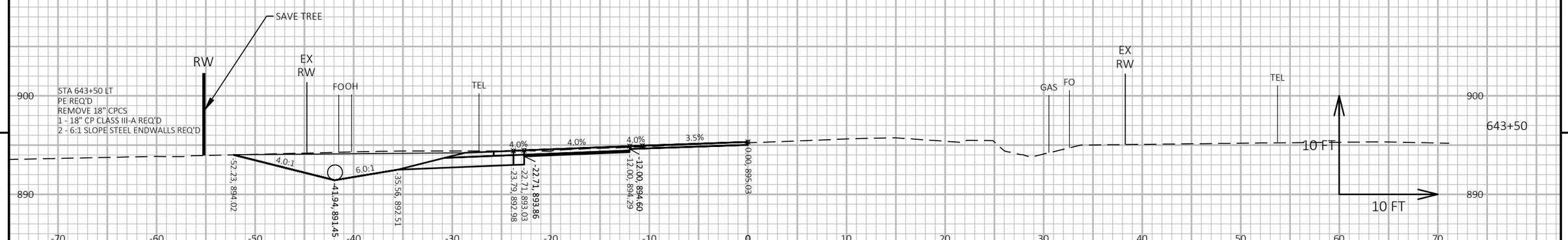
PLOT BY : AYRES ASSOCIATES

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH H	SHEET 394	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (17)

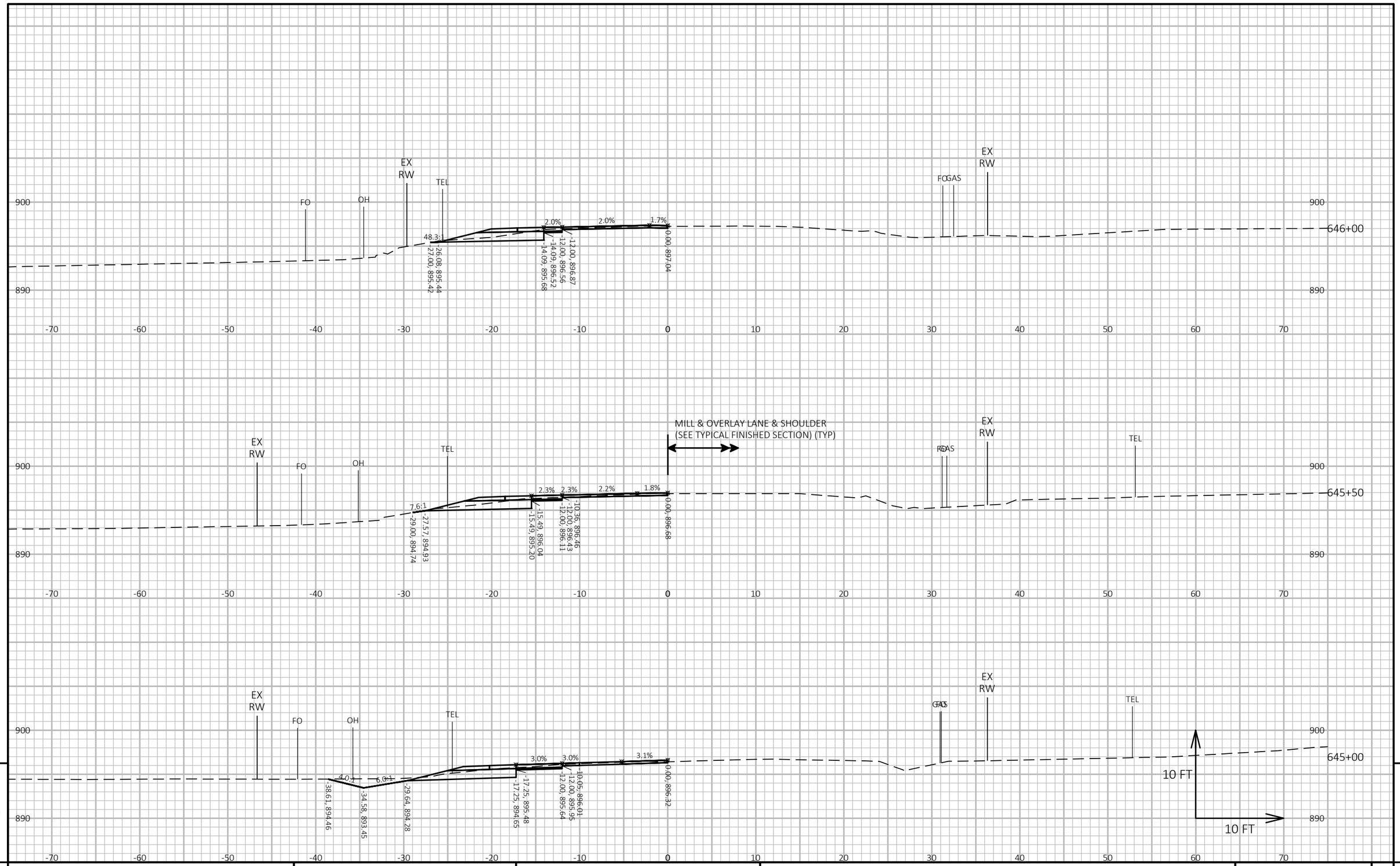
PLOT DATE : 1/28/2020 1:49 PM

PLOT BY : AYRES ASSOCIATES

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH H	SHEET 395	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (18)

PLOT DATE : 1/28/2020 1:49 PM PLOT BY : AYRES ASSOCIATES PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

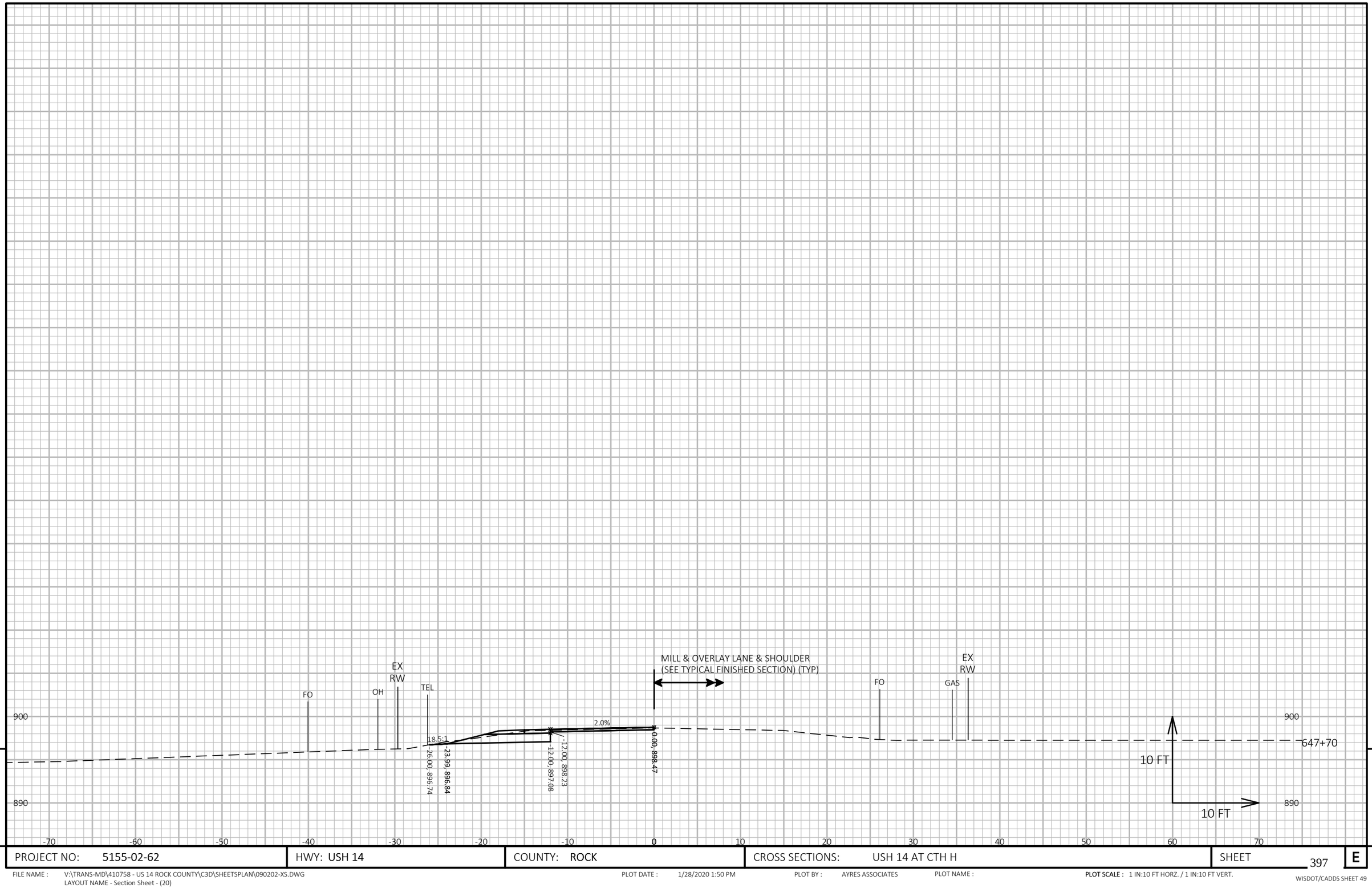
WISDOT/CADDS SHEET 49

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH H	SHEET 396	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (19)

PLOT DATE : 1/28/2020 1:57 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH H	SHEET 397	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (20)

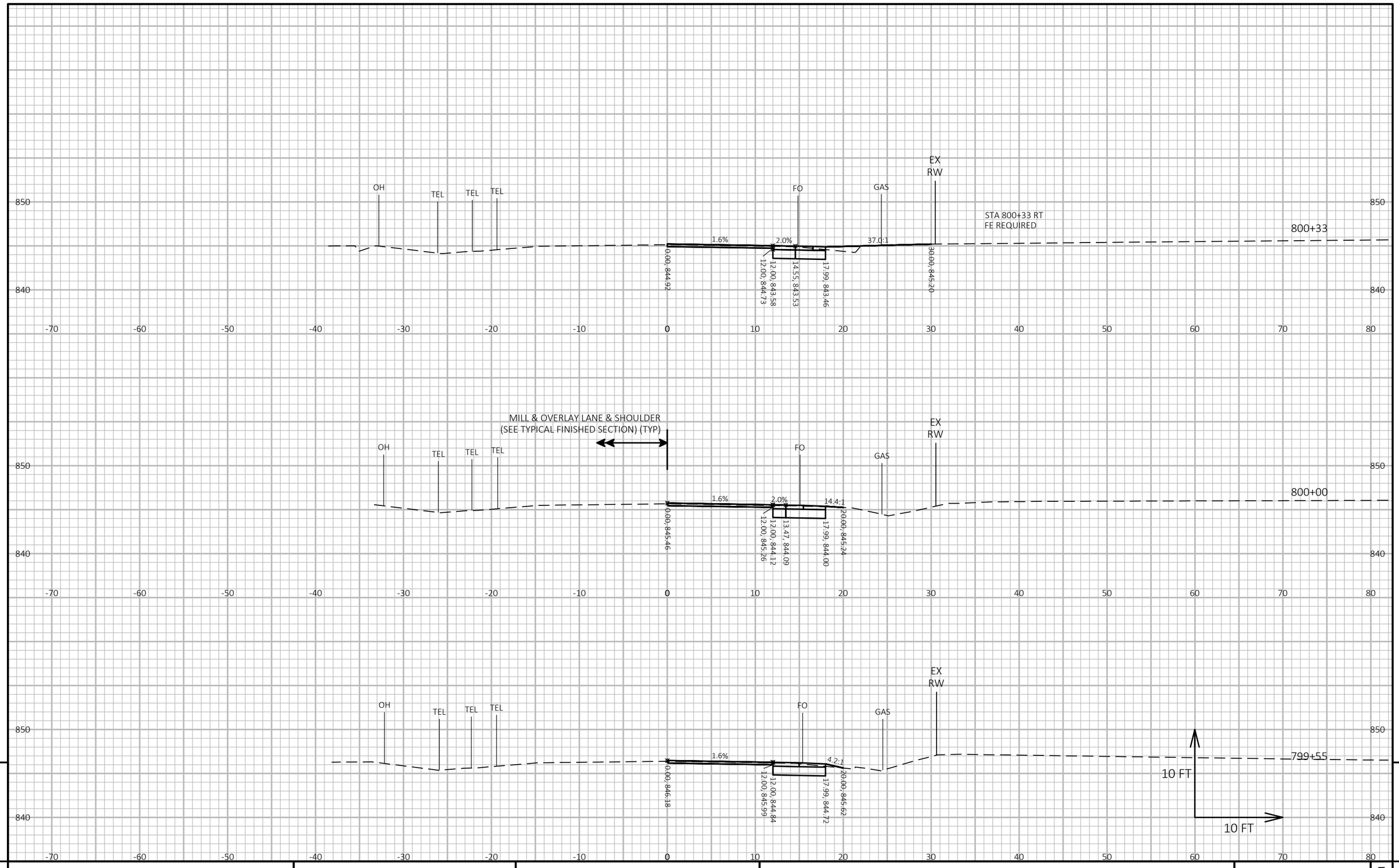
PLOT DATE : 1/28/2020 1:50 PM

PLOT BY : AYRES ASSOCIATES

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



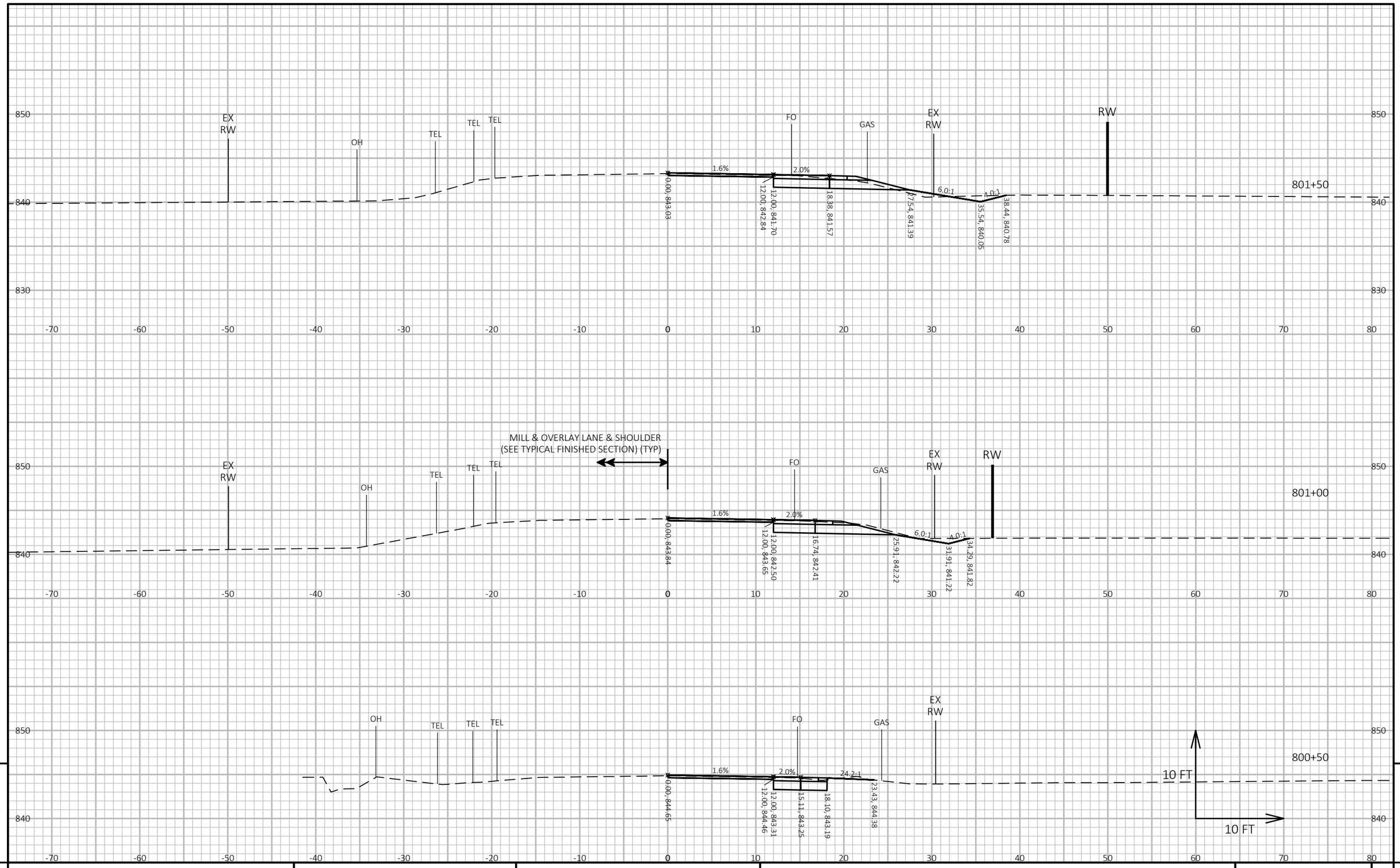
PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH E AND ROBINSON LANE	SHEET 398	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - Section Sheet - (1)

PLOT DATE : 10/25/2019 10:32 AM PLOT BY : AYRES ASSOCIATES PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH E AND ROBINSON LANE	SHEET 399 E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - Section Sheet - (2)

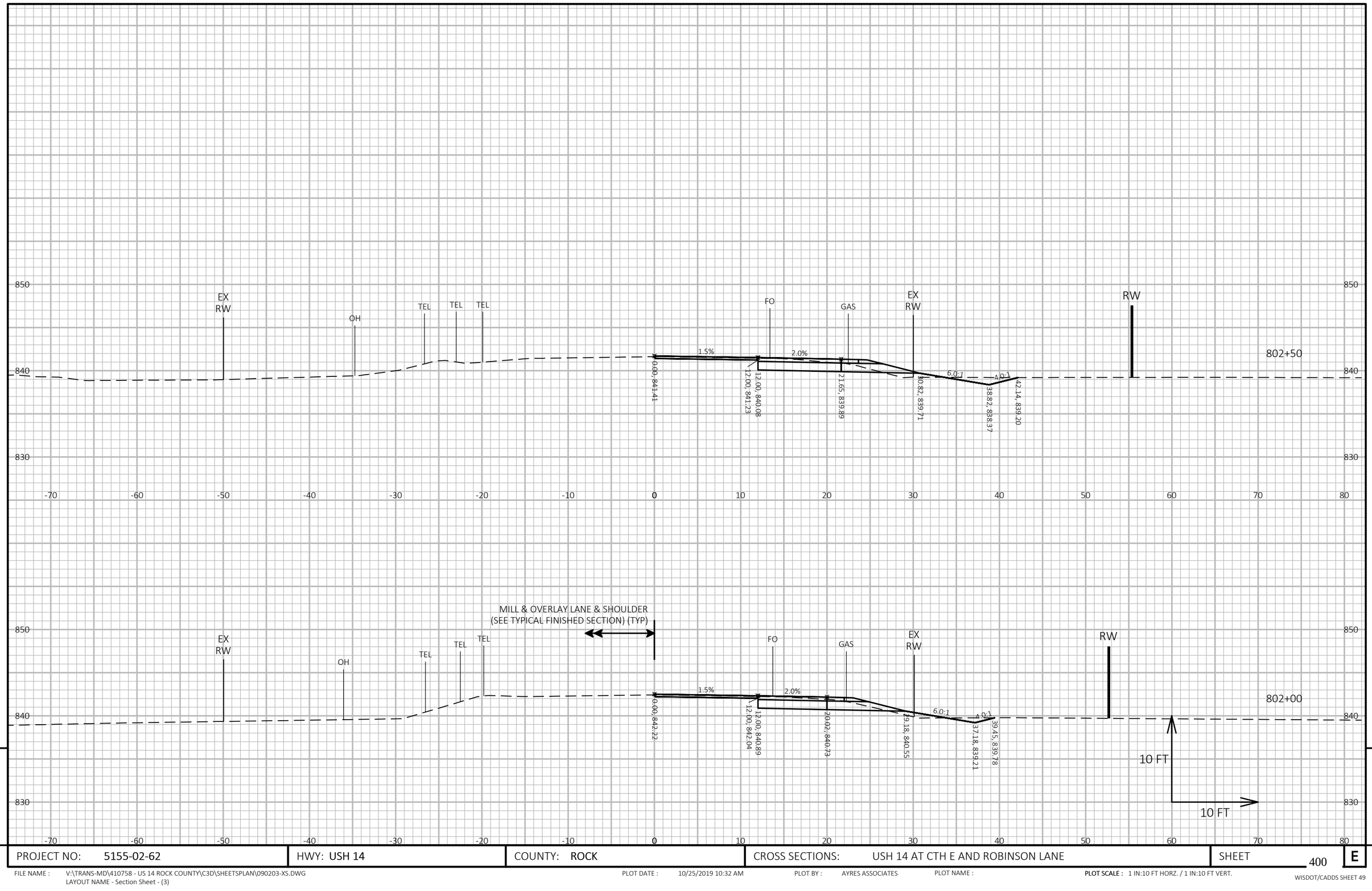
PLOT DATE : 10/25/2019 10:32 AM PLOT BY : AYRES ASSOCIATES PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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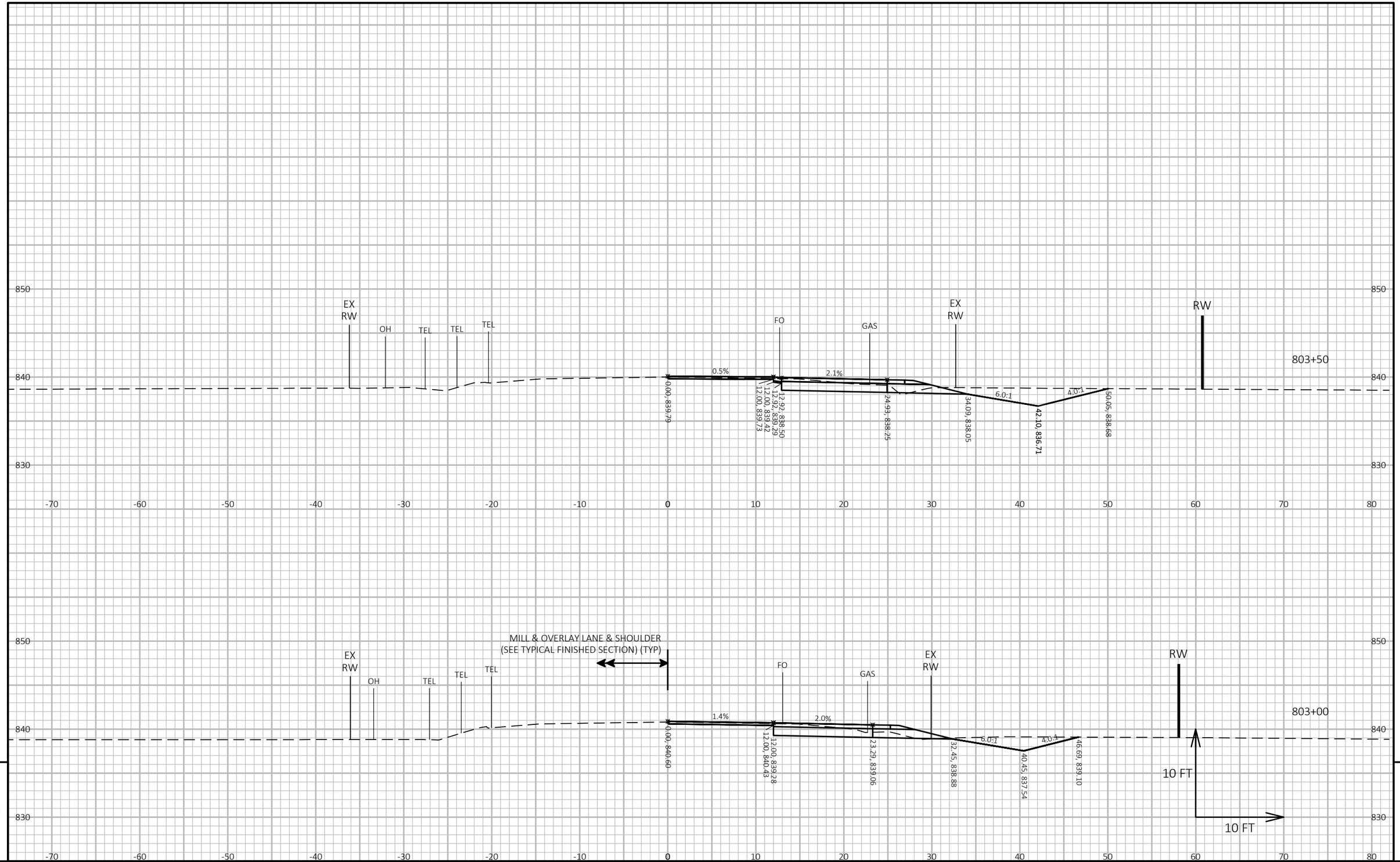
PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH E AND ROBINSON LANE	SHEET 400	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - Section Sheet - (3)

PLOT DATE : 10/25/2019 10:32 AM PLOT BY : AYRES ASSOCIATES PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

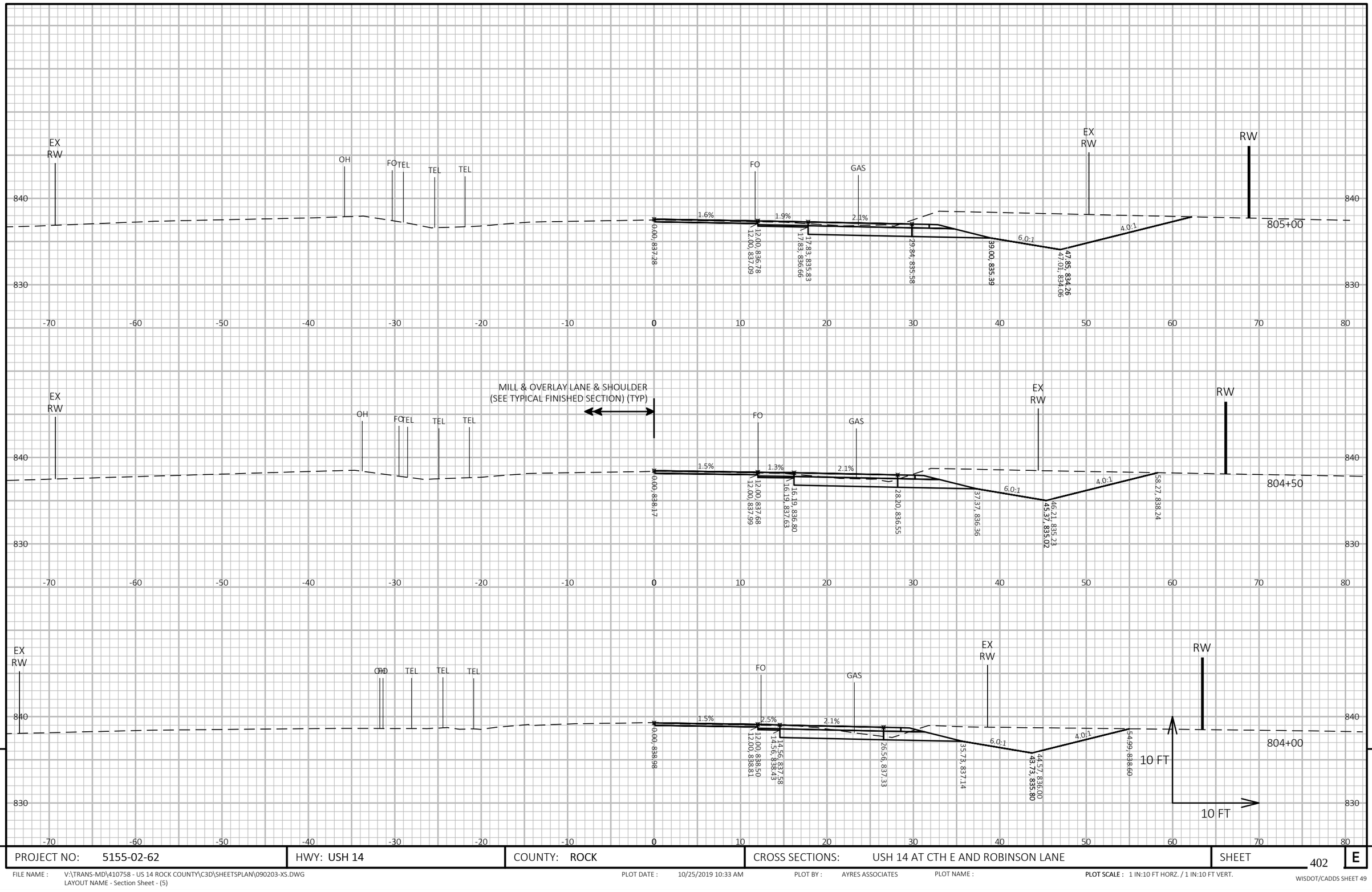


PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH E AND ROBINSON LANE	SHEET 401	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - Section Sheet - (4)

PLOT DATE : 10/25/2019 10:33 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

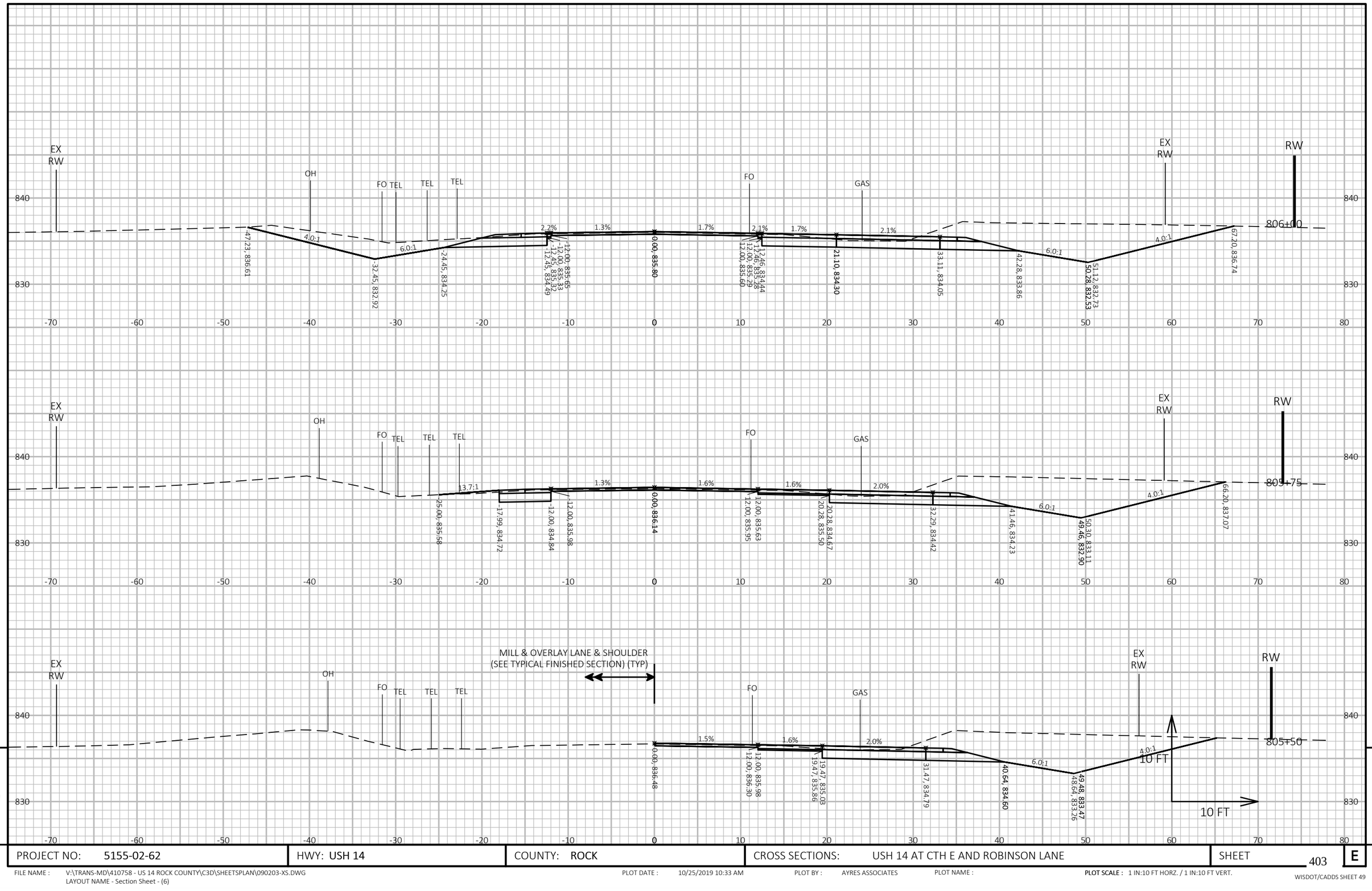
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH E AND ROBINSON LANE	SHEET 402	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - Section Sheet - (5)

PLOT DATE : 10/25/2019 10:33 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

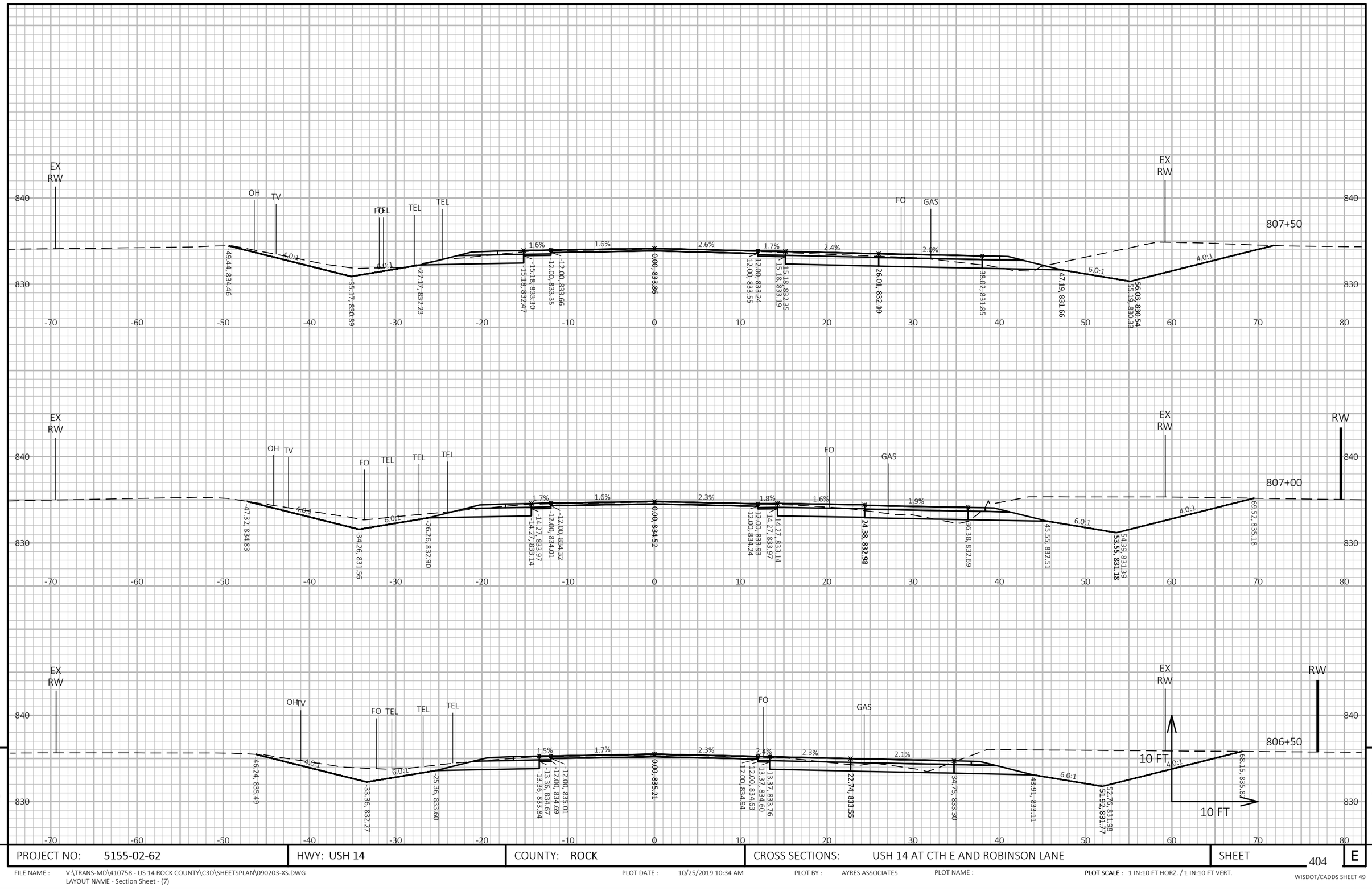


PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH E AND ROBINSON LANE	SHEET 403 E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - Section Sheet - (6)

PLOT DATE : 10/25/2019 10:33 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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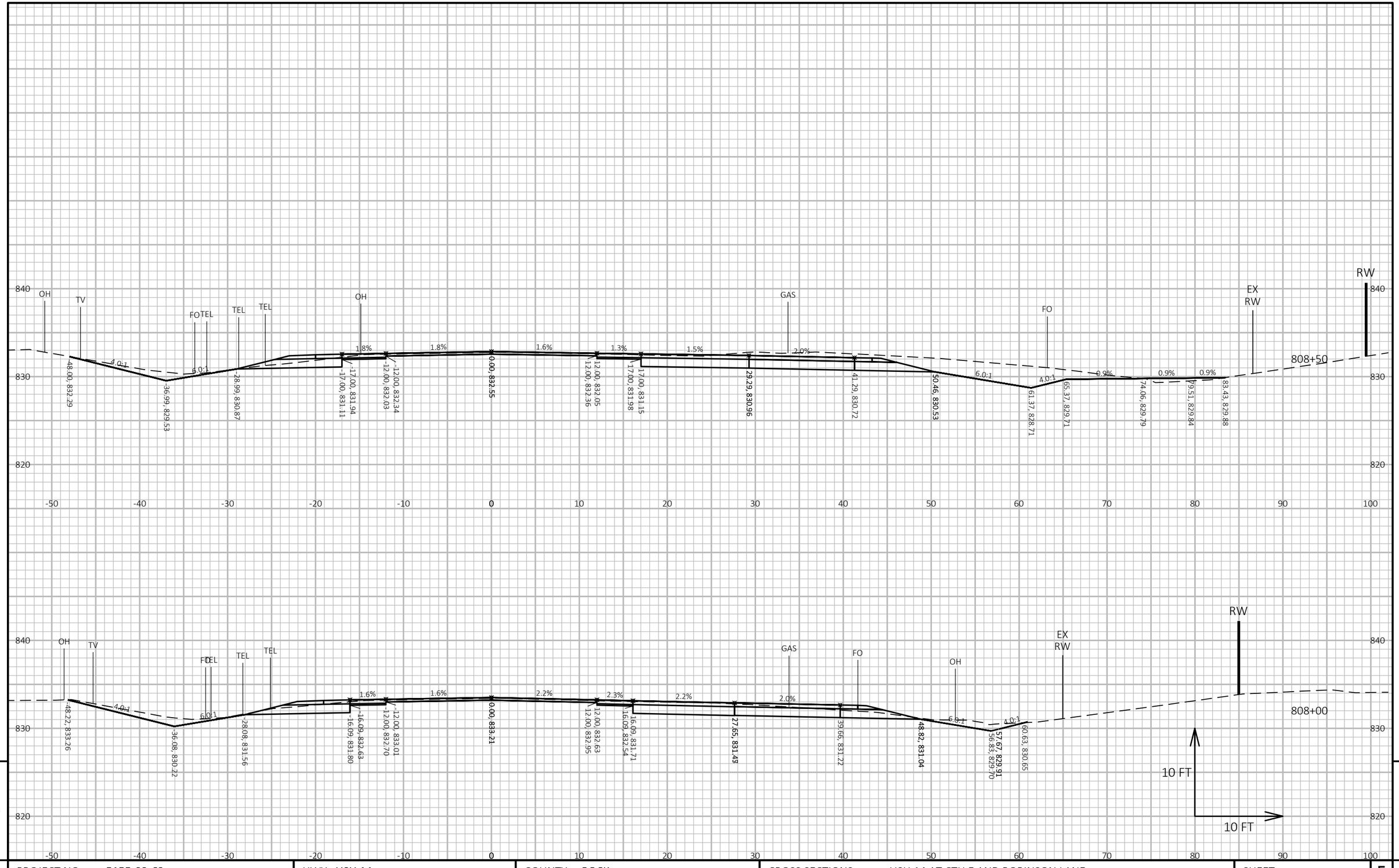
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH E AND ROBINSON LANE	SHEET 404	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - Section Sheet - (7)

PLOT DATE : 10/25/2019 10:34 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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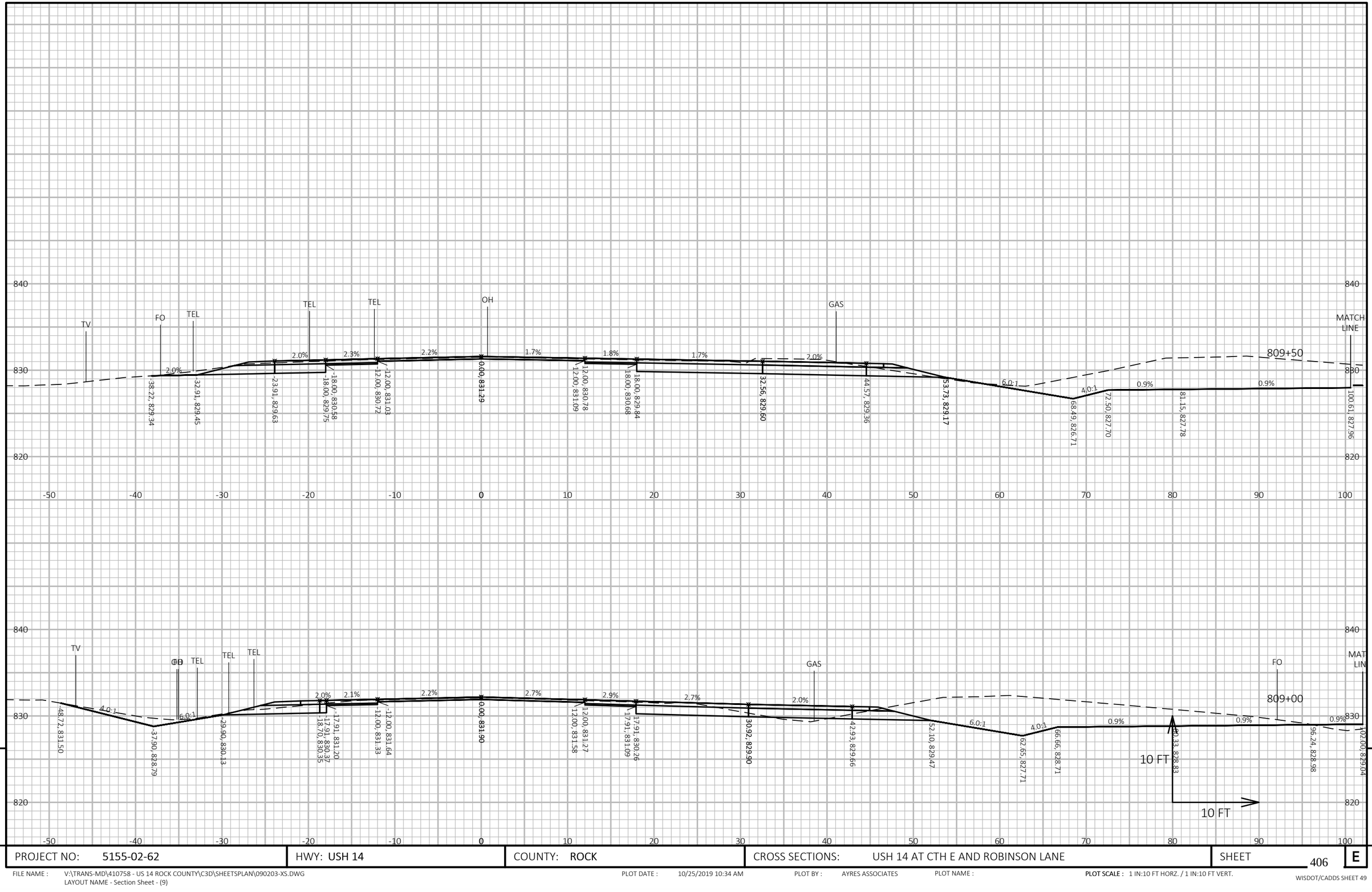
PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH E AND ROBINSON LANE	SHEET 405	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - Section Sheet - (8)

PLOT DATE : 10/25/2019 10:34 AM PLOT BY : AYRES ASSOCIATES PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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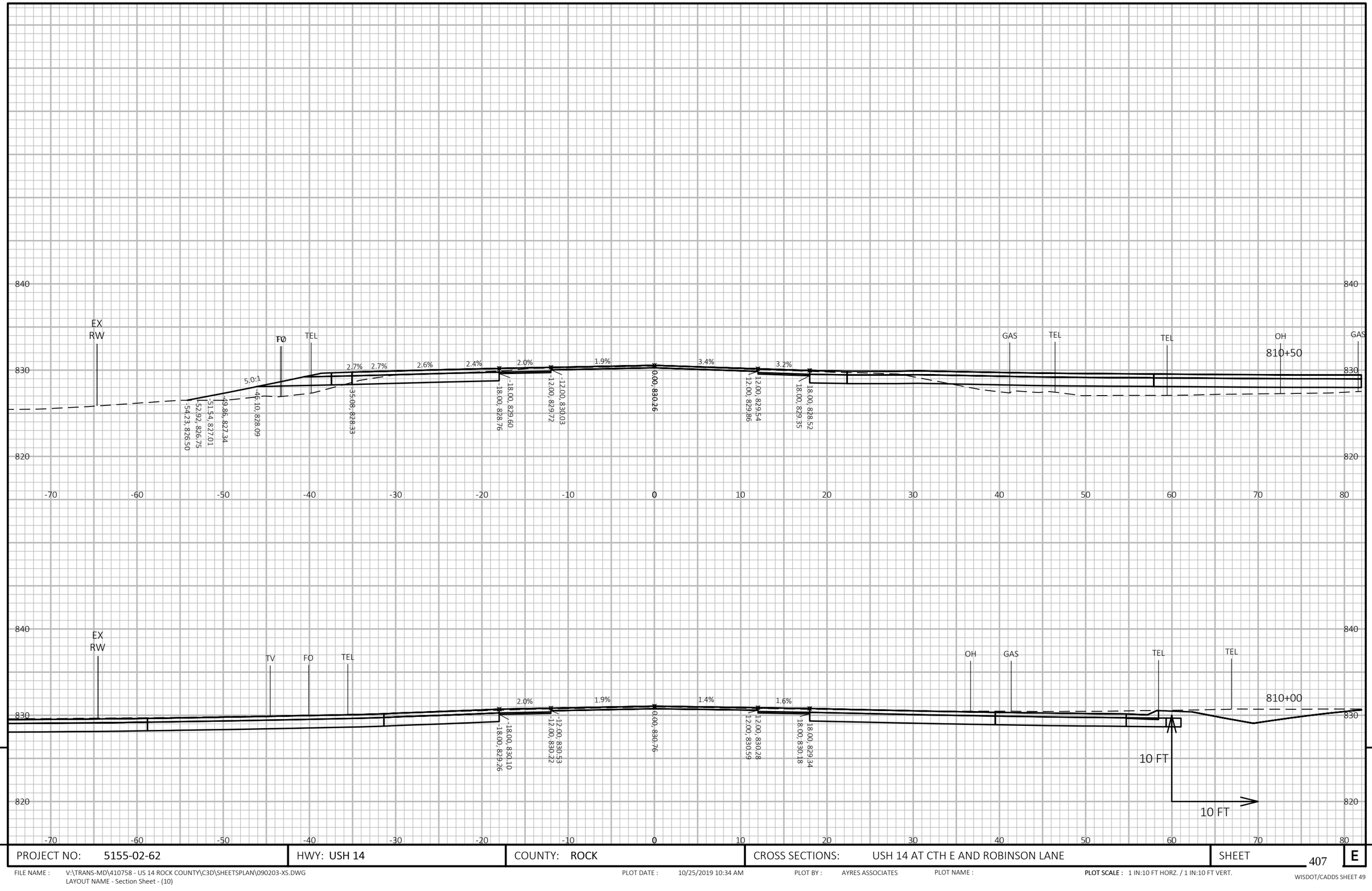
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH E AND ROBINSON LANE	SHEET 406	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - Section Sheet - (9)

PLOT DATE : 10/25/2019 10:34 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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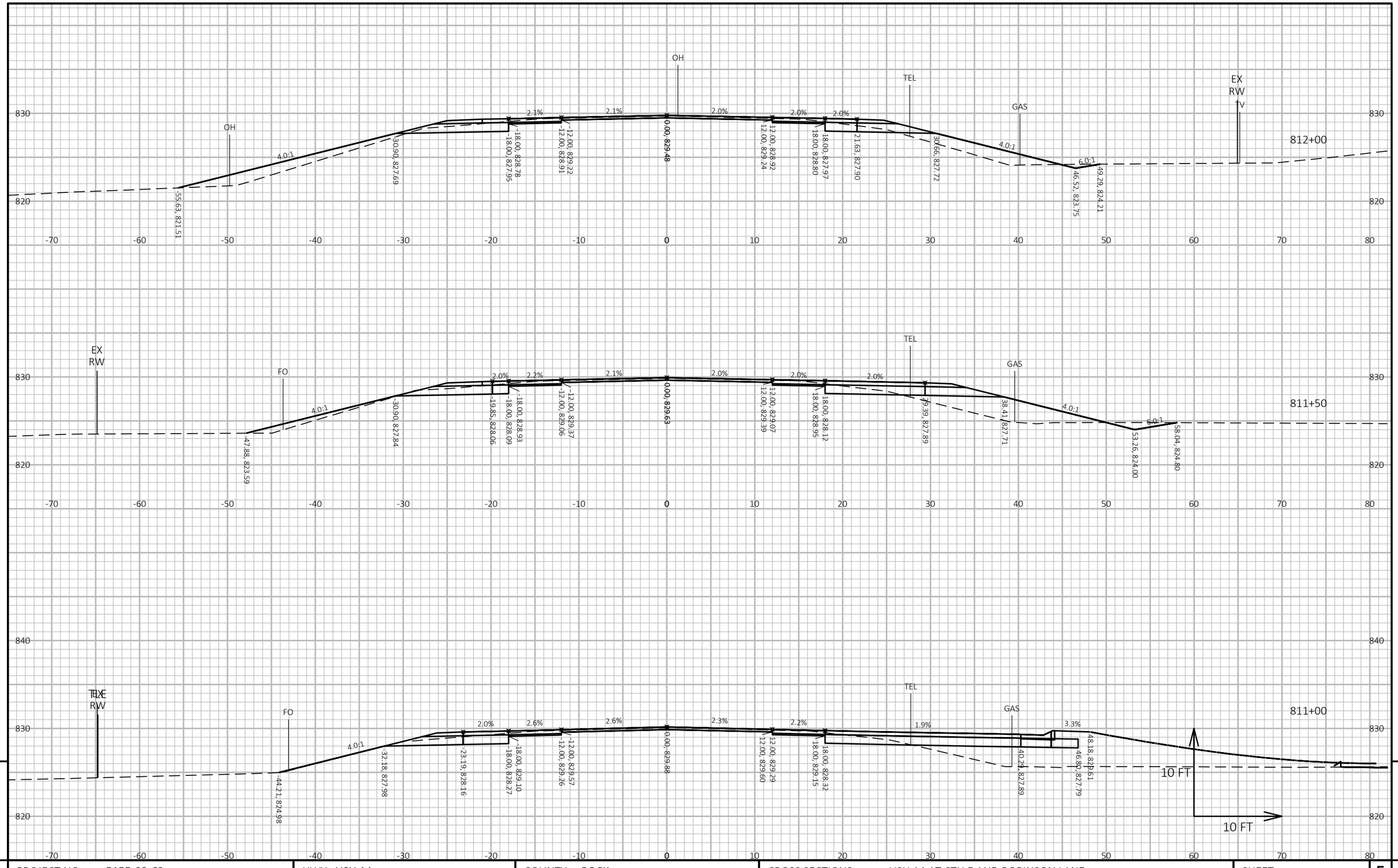
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH E AND ROBINSON LANE	SHEET 407	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - Section Sheet - (10)

PLOT DATE : 10/25/2019 10:34 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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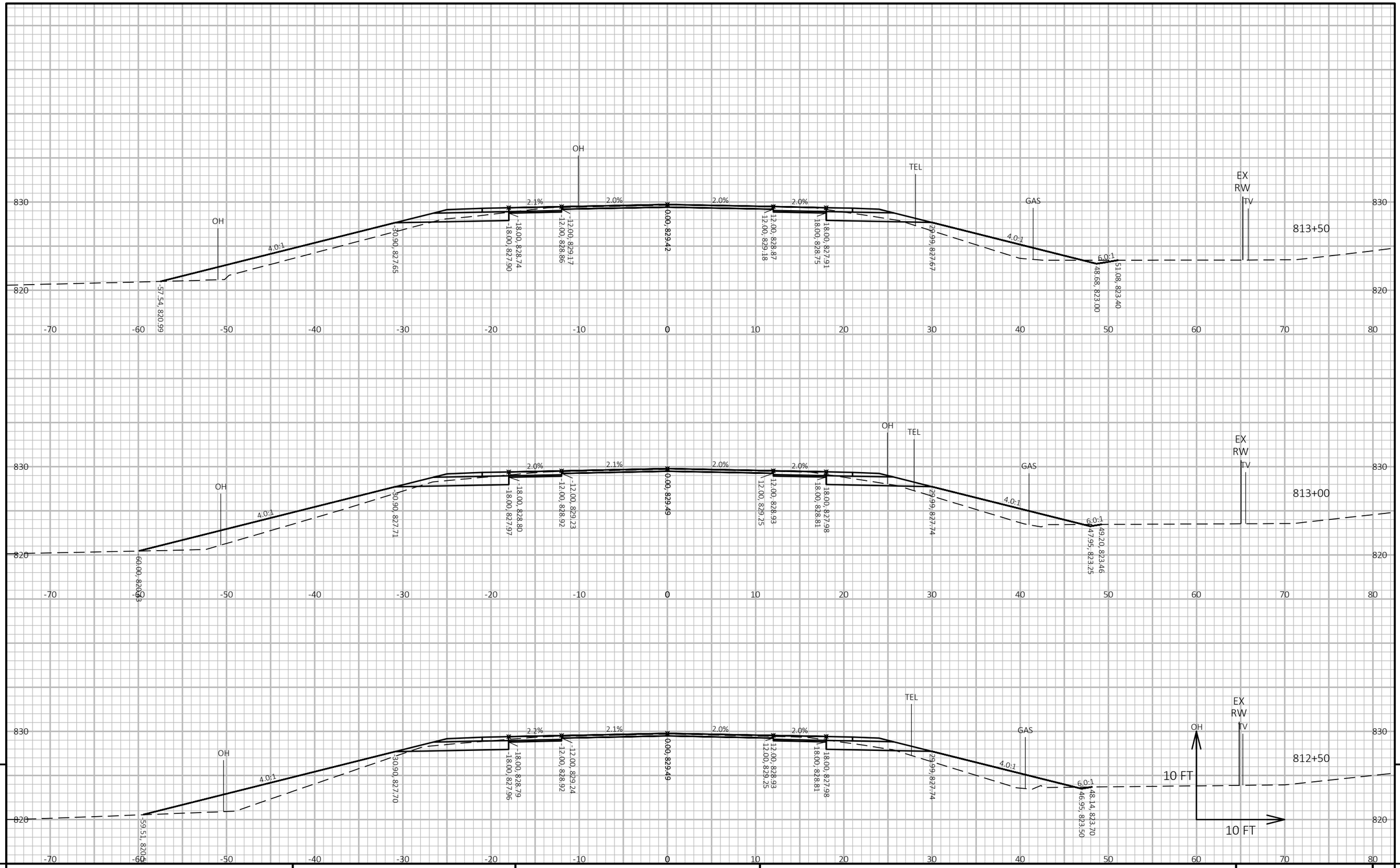
PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH E AND ROBINSON LANE	SHEET 408	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - Section Sheet - (11)

PLOT DATE : 10/25/2019 10:35 AM PLOT BY : AYRES ASSOCIATES PLOT NAME :

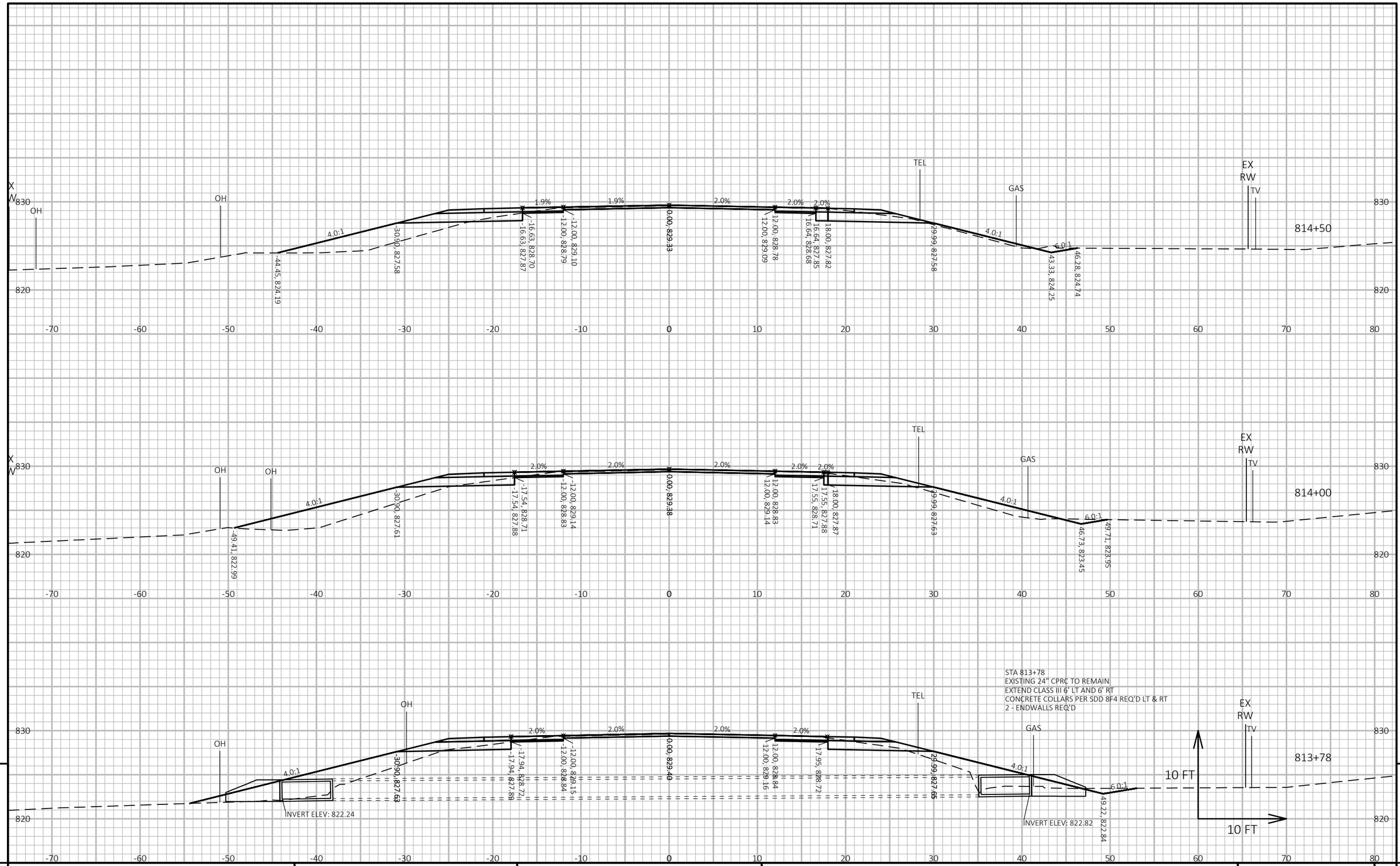
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH E AND ROBINSON LANE	SHEET 409	E



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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH E AND ROBINSON LANE	SHEET 410	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - Section Sheet - (13)

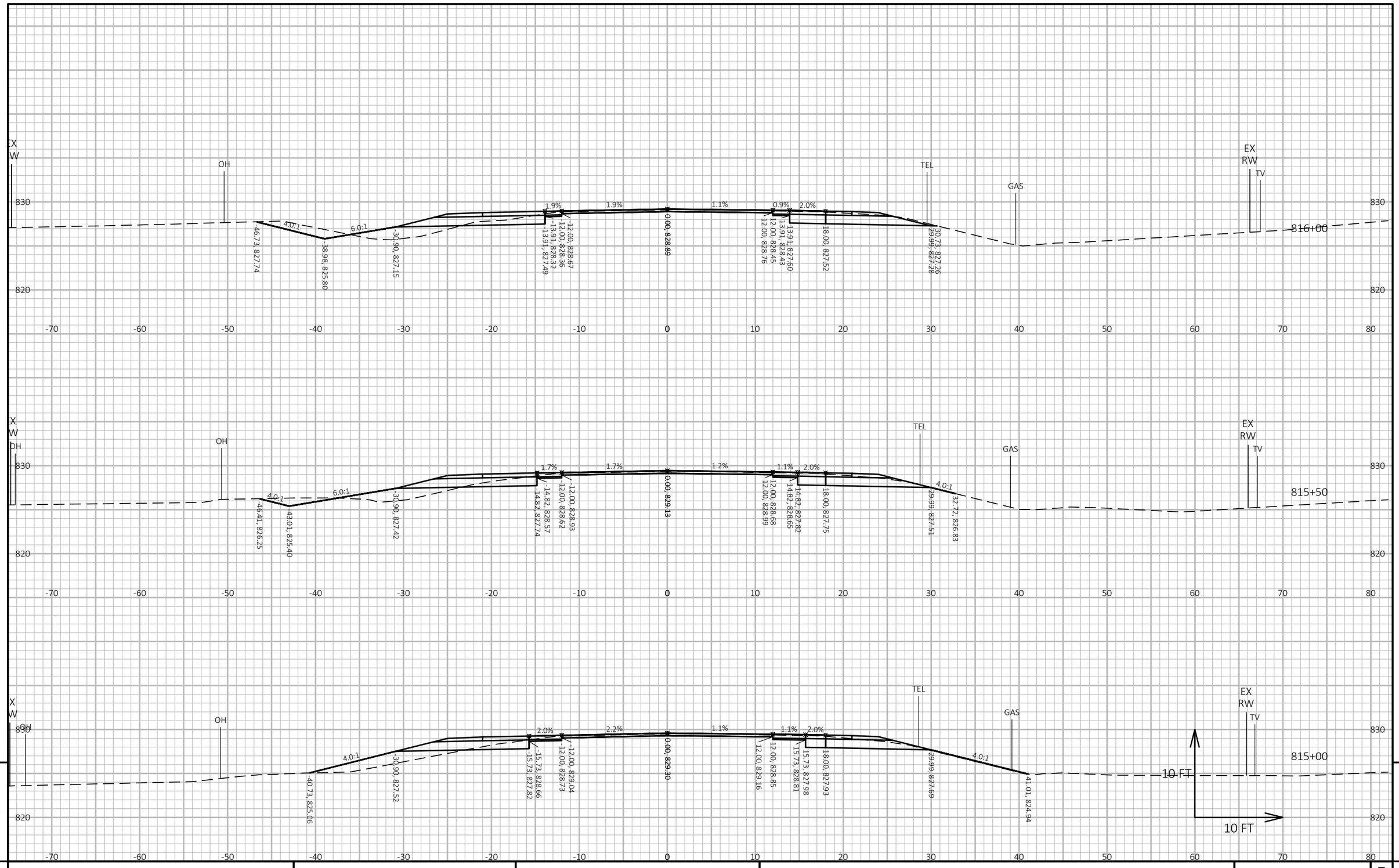
PLOT DATE : 10/28/2019 1:36 PM

PLOT BY : AYRES ASSOCIATES

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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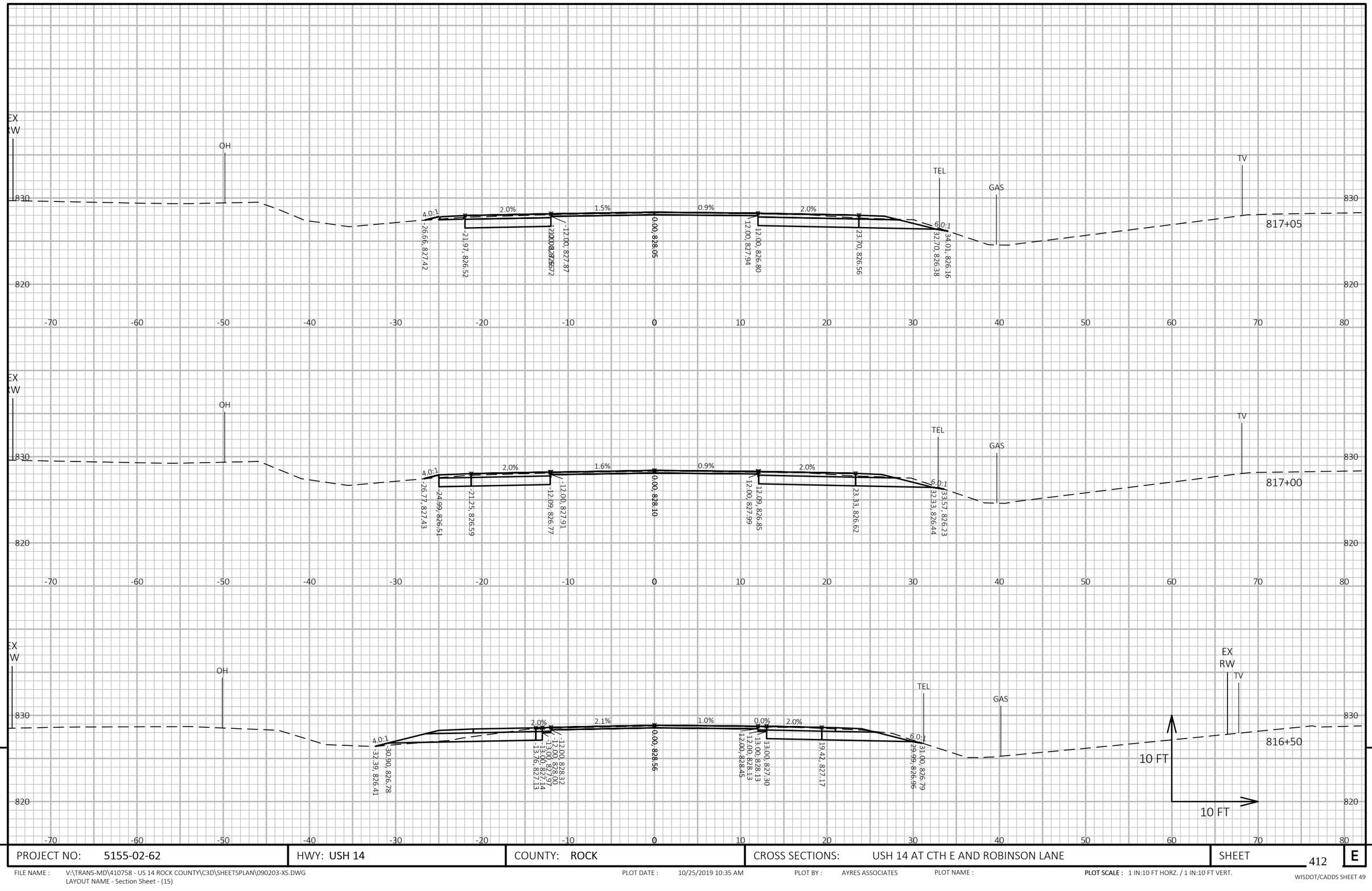
PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH E AND ROBINSON LANE	SHEET 411	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - Section Sheet - (14)

PLOT DATE : 10/25/2019 10:35 AM PLOT BY : AYRES ASSOCIATES PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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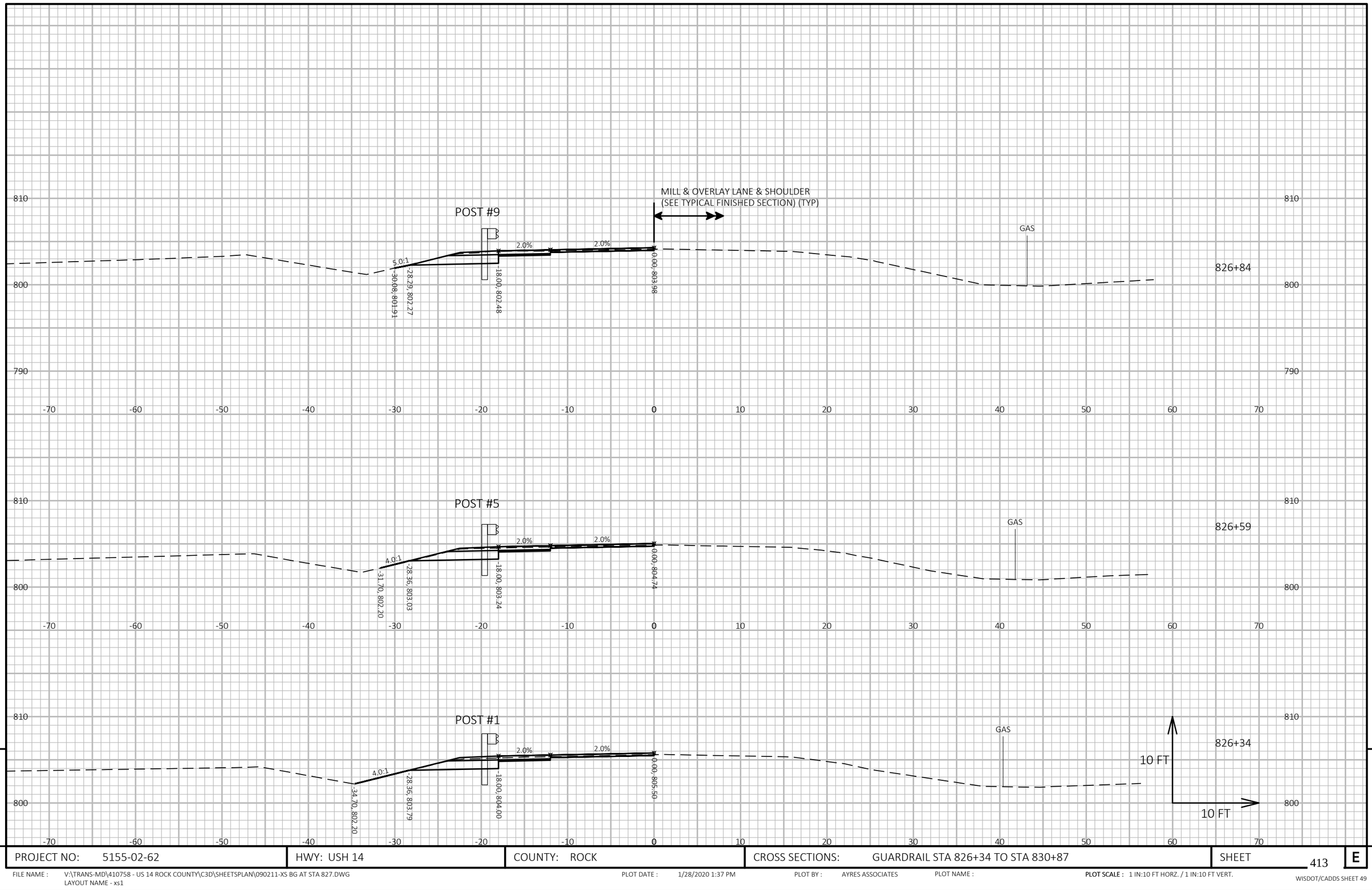
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH E AND ROBINSON LANE	SHEET 412	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - Section Sheet - (15)

PLOT DATE : 10/25/2019 10:35 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



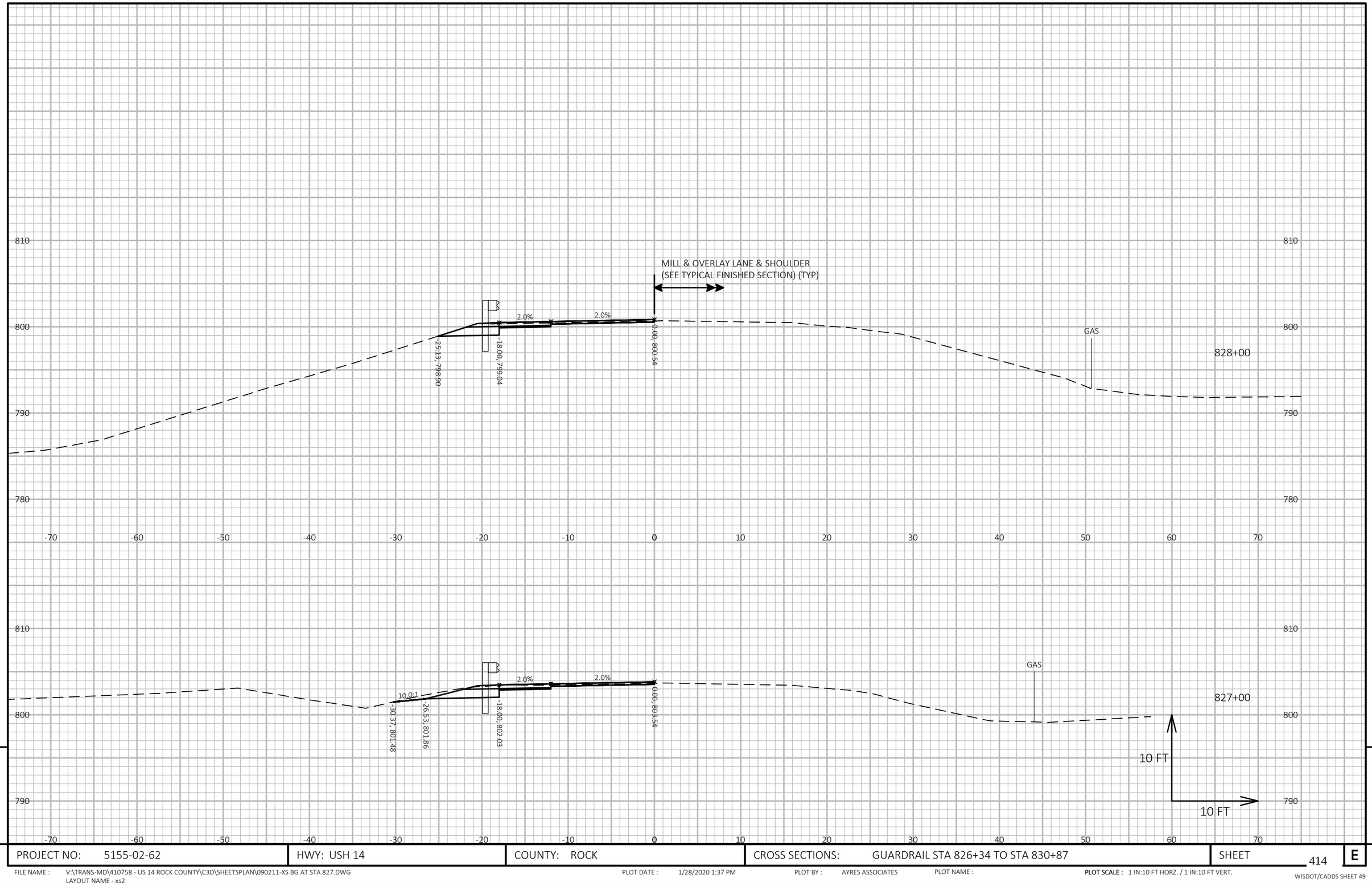
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: GUARDRAIL STA 826+34 TO STA 830+87	SHEET 413	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090211-XS BG AT STA 827.DWG
LAYOUT NAME - xs1

PLOT DATE : 1/28/2020 1:37 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: GUARDRAIL STA 826+34 TO STA 830+87	SHEET 414	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090211-XS BG AT STA 827.DWG
LAYOUT NAME - xs2

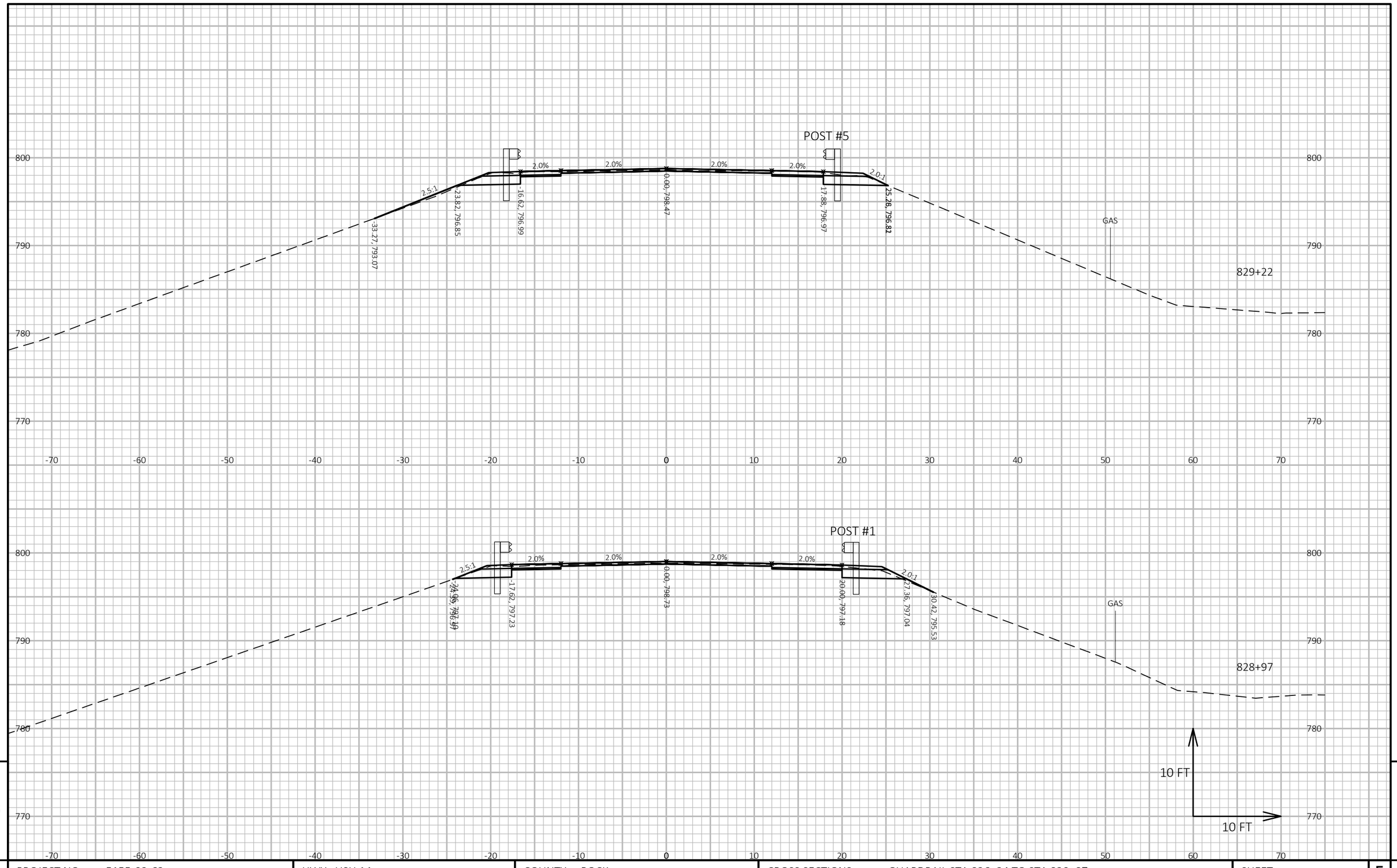
PLOT DATE : 1/28/2020 1:37 PM

PLOT BY : AYRES ASSOCIATES

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: GUARDRAIL STA 826+34 TO STA 830+87	SHEET 415	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090211-XS BG AT STA 827.DWG
LAYOUT NAME - xs3

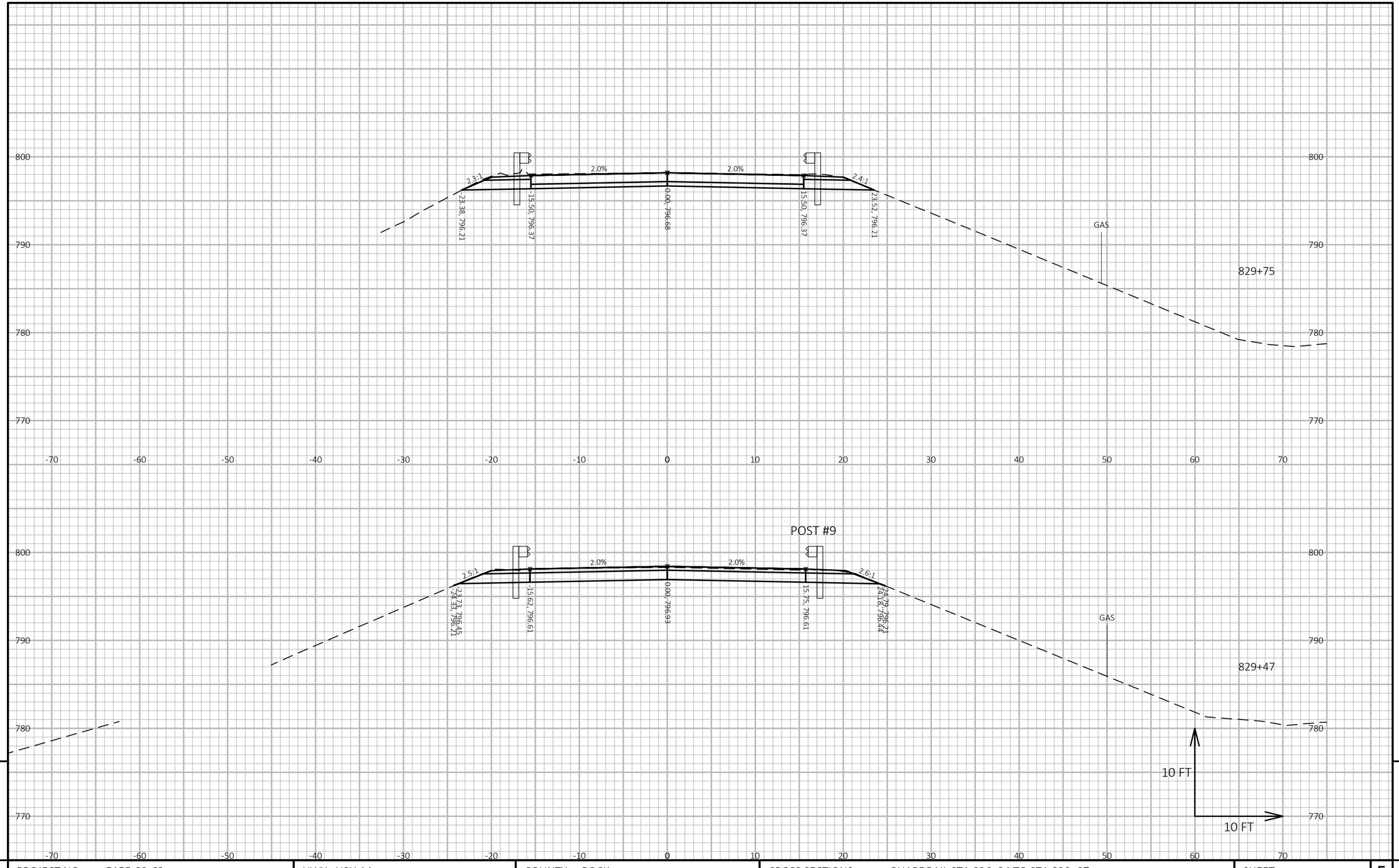
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PLOT BY : AYRES ASSOCIATES

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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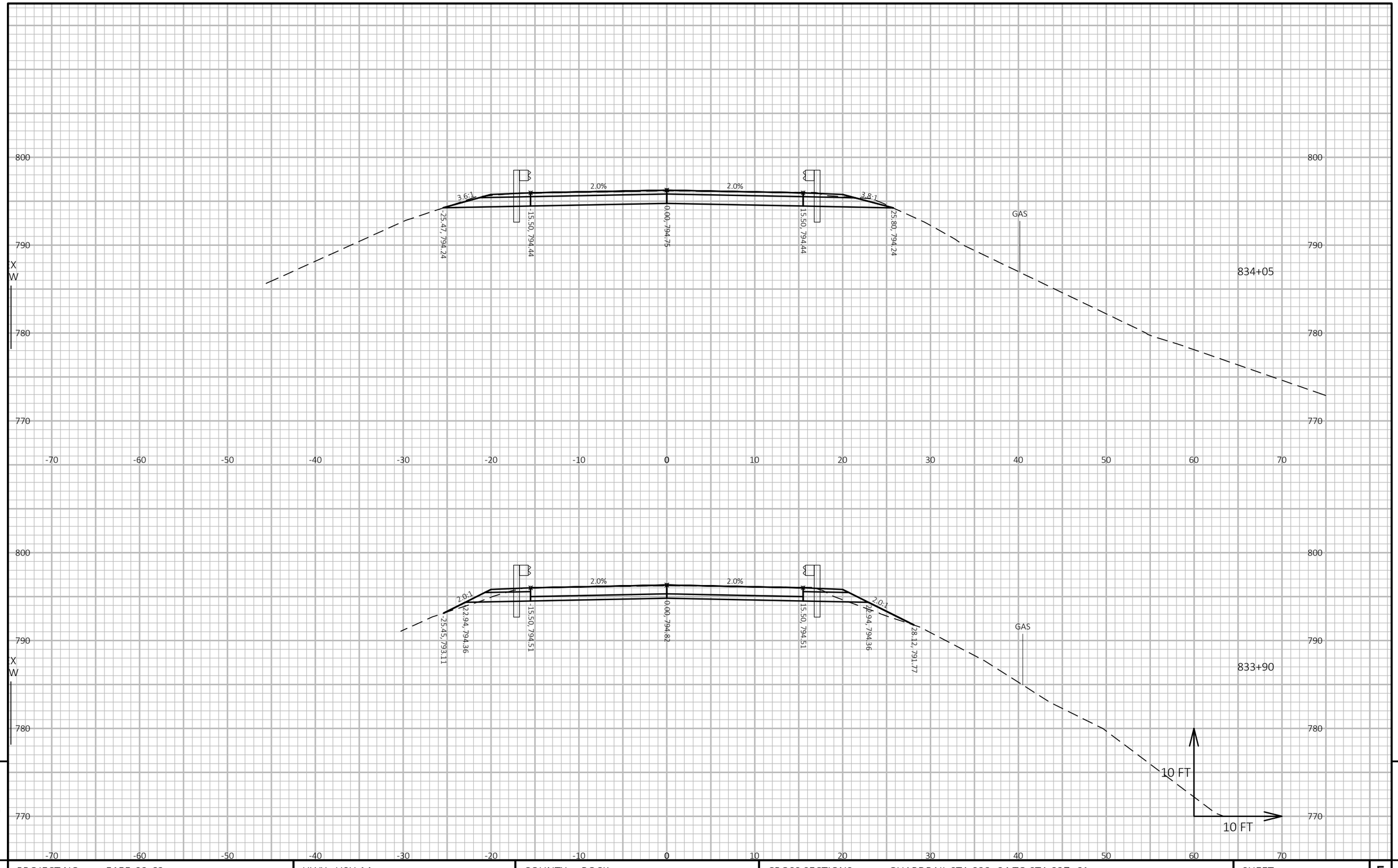
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: GUARDRAIL STA 826+34 TO STA 830+87	SHEET 416	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090211-XS BG AT STA 827.DWG
LAYOUT NAME - xs4

PLOT DATE : 1/28/2020 1:37 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



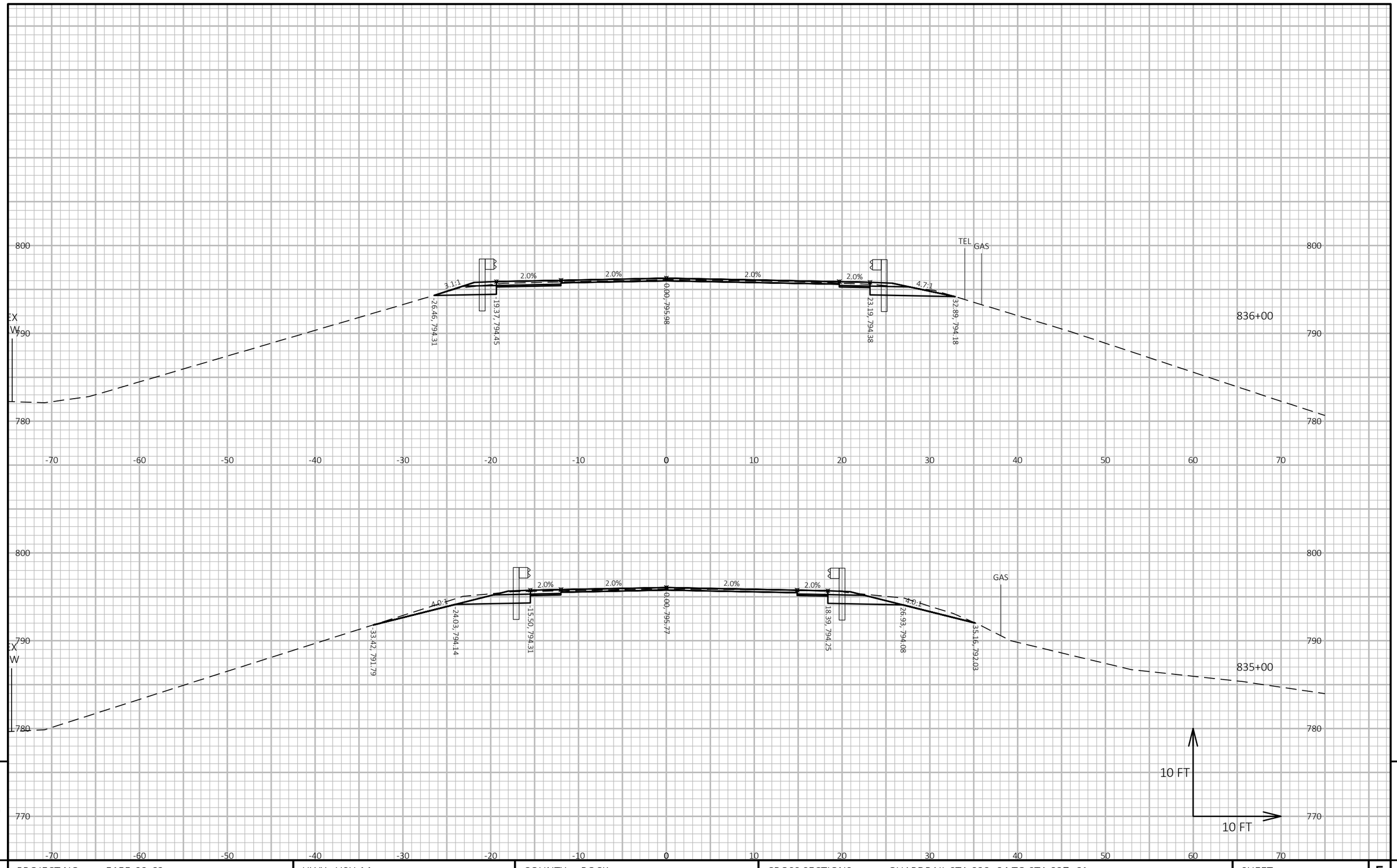
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: GUARDRAIL STA 833+84 TO STA 837+61	SHEET 417	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090211-XS BG AT STA 827.DWG
LAYOUT NAME - xs5

PLOT DATE : 1/28/2020 1:37 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

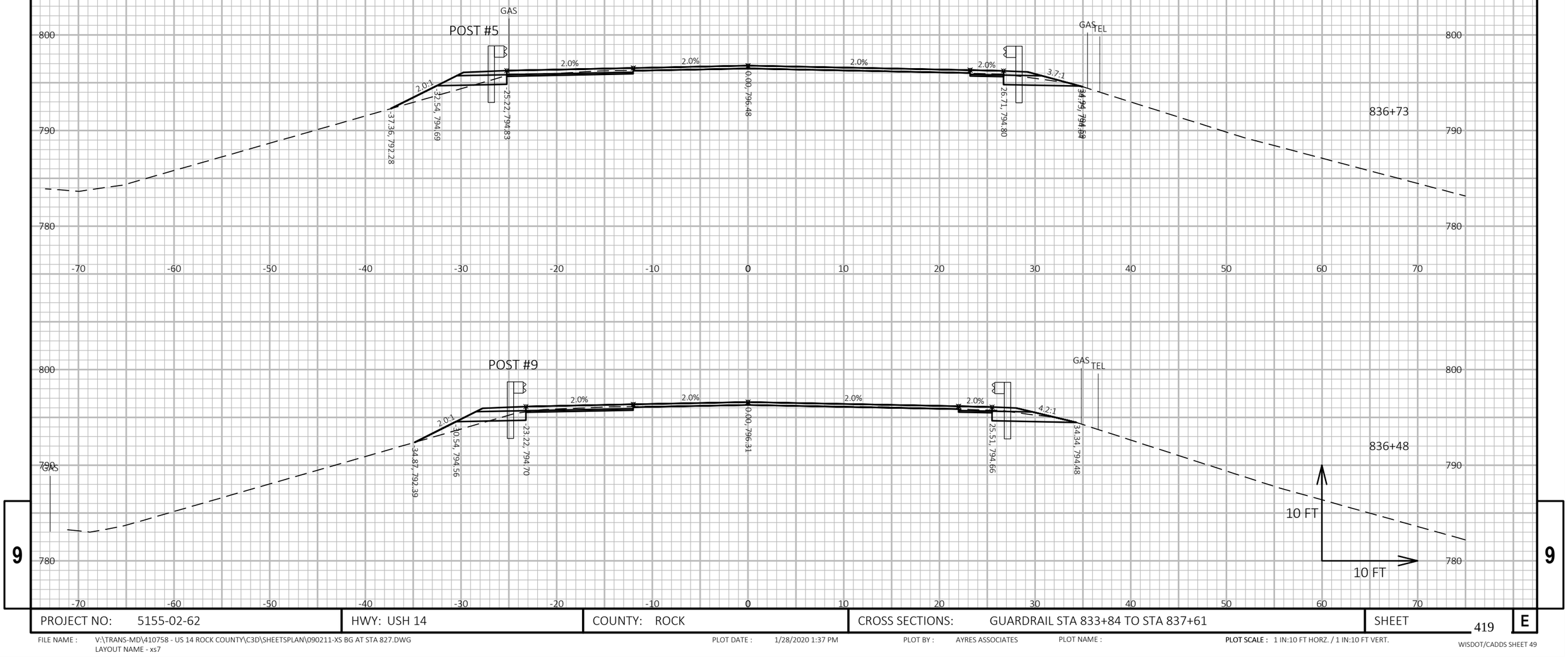


PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: GUARDRAIL STA 833+84 TO STA 837+61	SHEET 418	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090211-XS BG AT STA 827.DWG
LAYOUT NAME - xs6

PLOT DATE : 1/28/2020 1:37 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



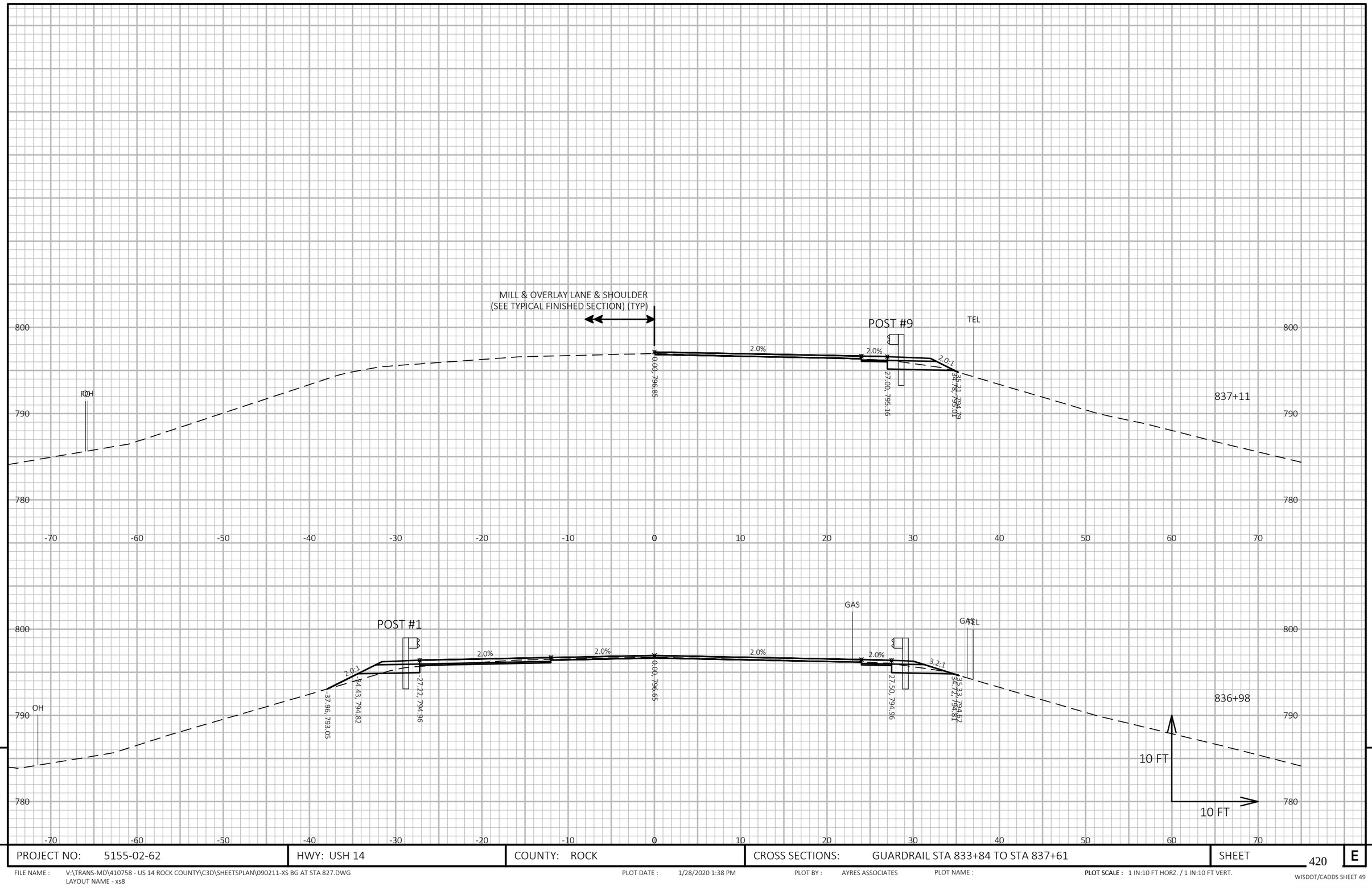
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: GUARDRAIL STA 833+84 TO STA 837+61	SHEET 419	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090211-XS BG AT STA 827.DWG
LAYOUT NAME - xs7

PLOT DATE : 1/28/2020 1:37 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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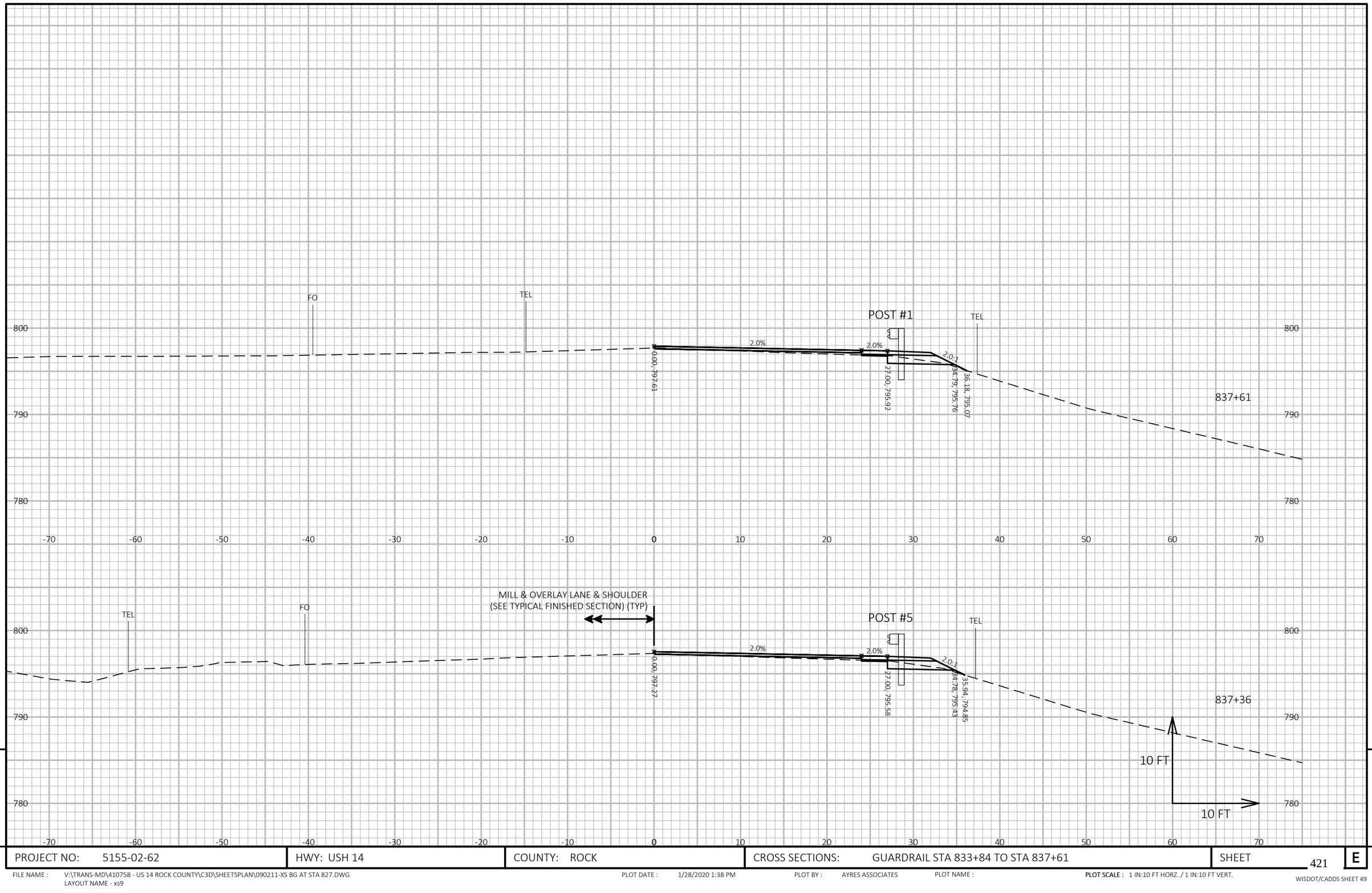
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: GUARDRAIL STA 833+84 TO STA 837+61	SHEET 420	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090211-XS BG AT STA 827.DWG
LAYOUT NAME - xs8

PLOT DATE : 1/28/2020 1:38 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: GUARDRAIL STA 833+84 TO STA 837+61	SHEET 421	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090211-XS BG AT STA 827.DWG
LAYOUT NAME - xs9

PLOT DATE : 1/28/2020 1:38 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

MILL & OVERLAY LANE & SHOULDER
(SEE TYPICAL FINISHED SECTION) (TYP)

POST #9

TEL

FO

2.0%

2.0%

2.0:1

-45.65, 791.99

-34.31, 797.66

-27.00, 797.81

0.00, 799.50

TEL

TEL

839+00

800

790

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

POST #5

TEL

FO

2.0%

2.0%

2.0:1

-34.31, 797.27

-27.00, 797.41

0.00, 799.10

TEL

TEL

838+74

800

790

780

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

POST #1

TEL

FO

2.0%

2.0%

2.0:1

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-34.31, 796.87

-27.00, 797.01

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TEL

TEL

838+50

10 FT

10 FT

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-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

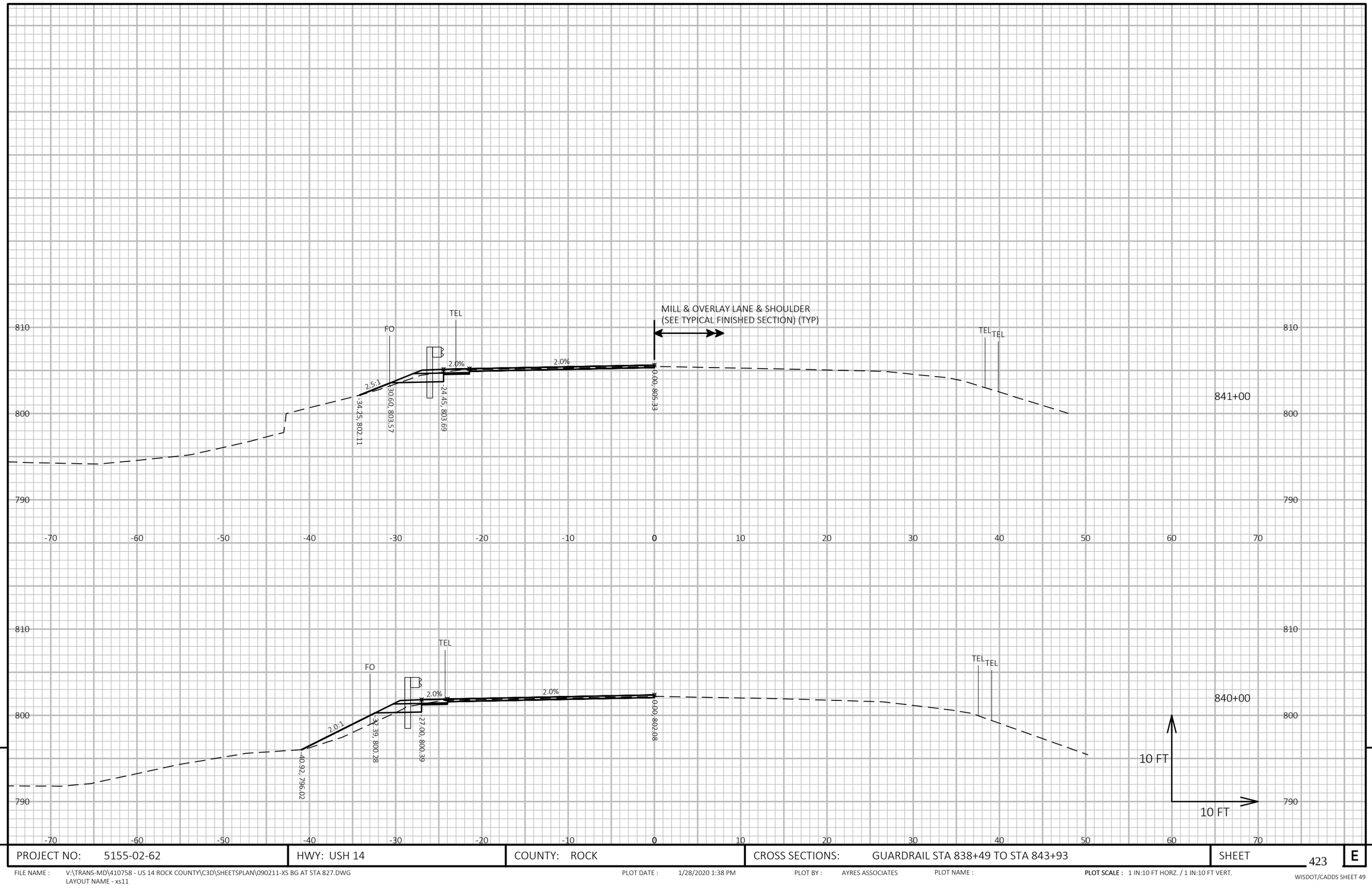
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: GUARDRAIL STA 838+49 TO STA 843+93	SHEET 422	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090211-XS BG AT STA 827.DWG
LAYOUT NAME - xs10

PLOT DATE : 1/28/2020 1:38 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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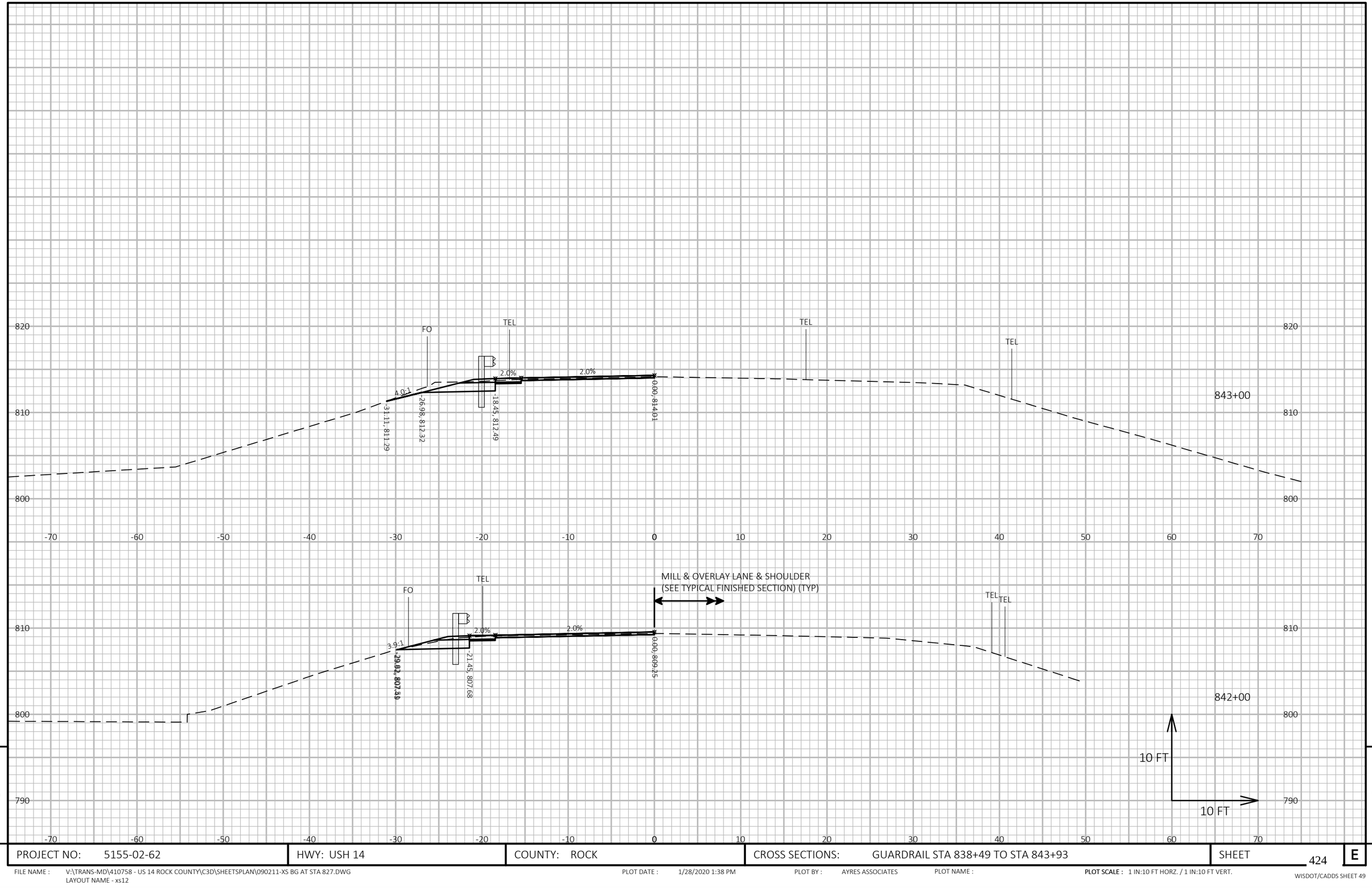
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: GUARDRAIL STA 838+49 TO STA 843+93	SHEET 423	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090211-XS BG AT STA 827.DWG
LAYOUT NAME - xs11

PLOT DATE : 1/28/2020 1:38 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

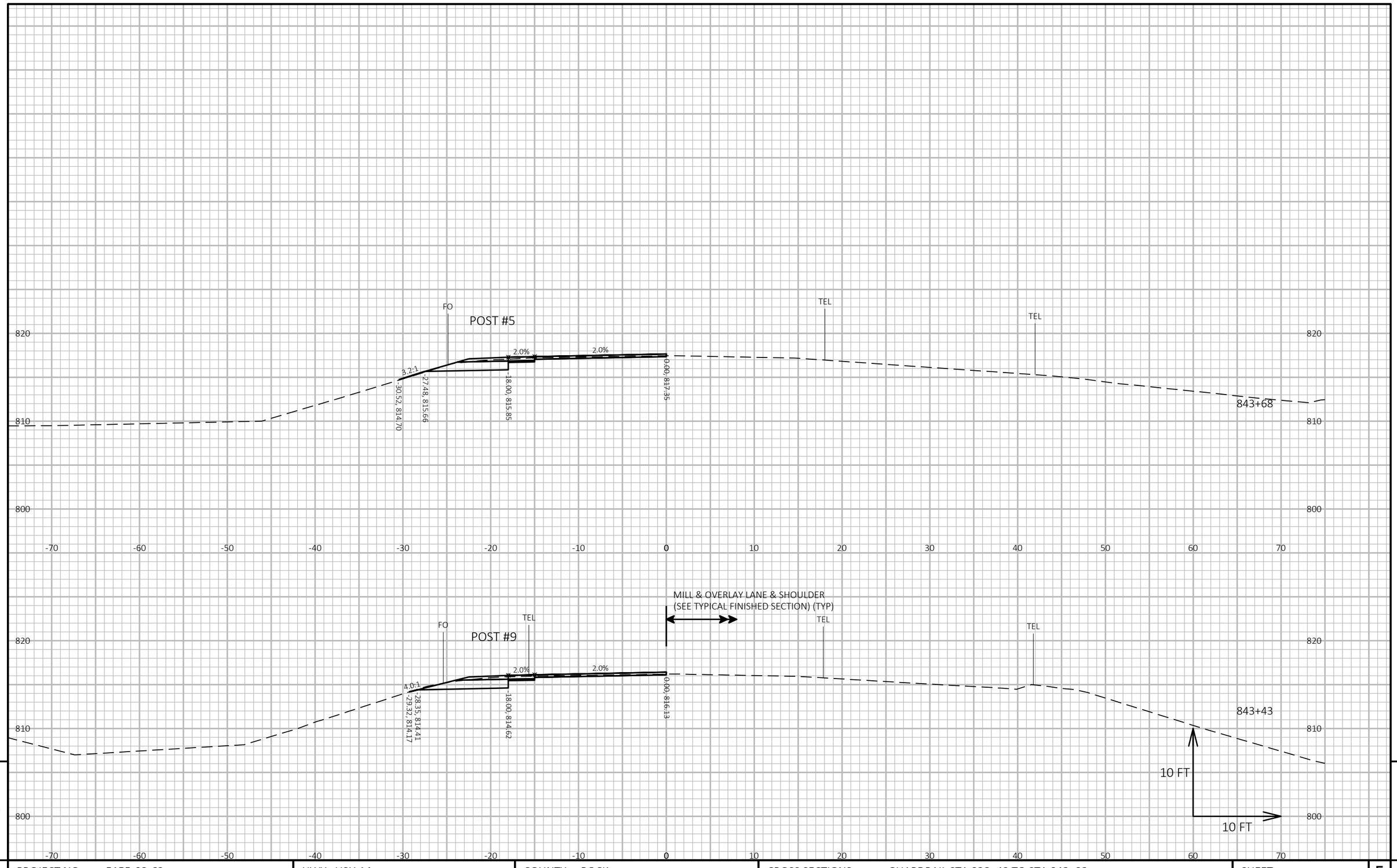


PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: GUARDRAIL STA 838+49 TO STA 843+93	SHEET 424	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090211-XS BG AT STA 827.DWG
LAYOUT NAME - xs12

PLOT DATE : 1/28/2020 1:38 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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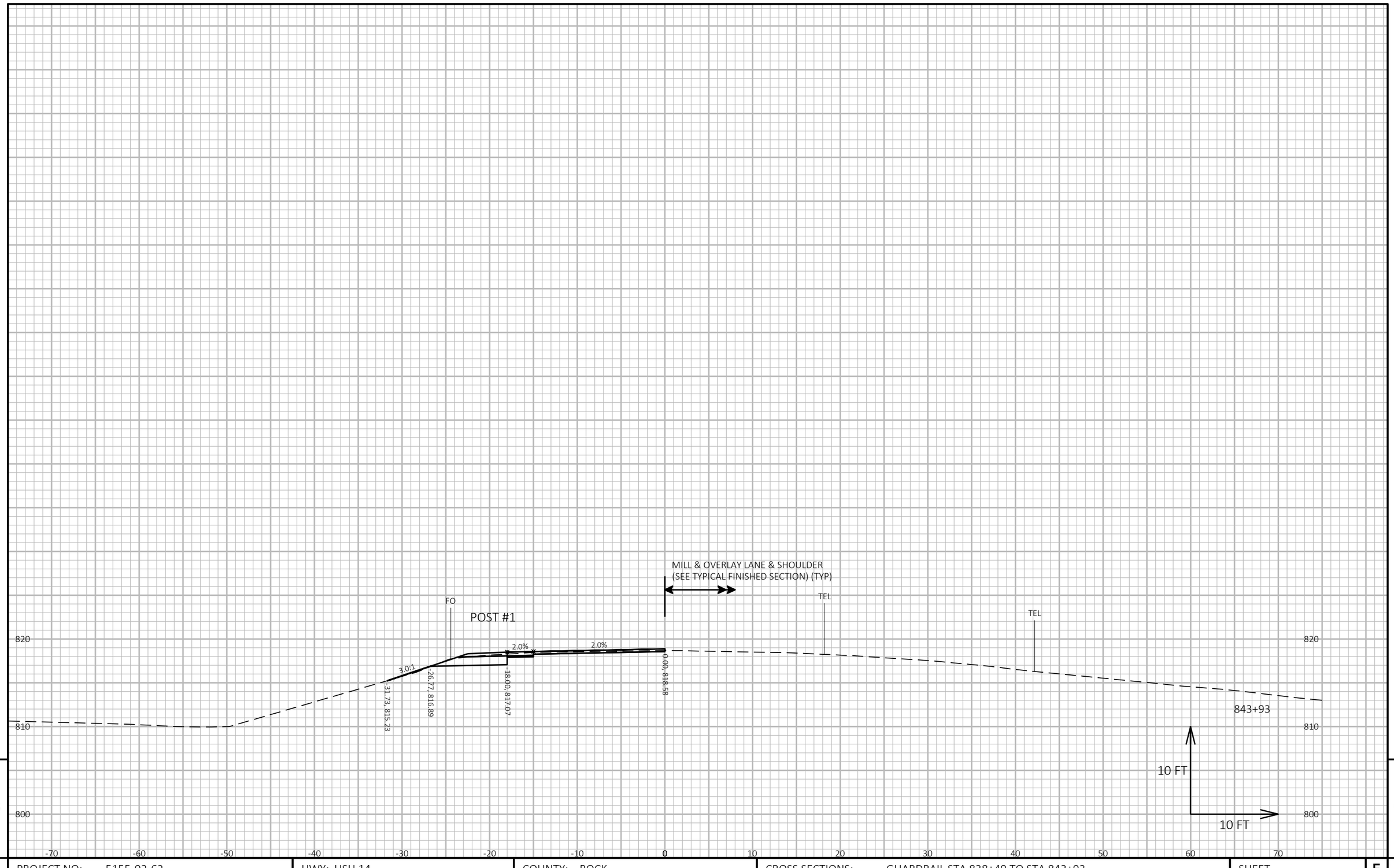
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: GUARDRAIL STA 838+49 TO STA 843+93	SHEET 425	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090211-XS BG AT STA 827.DWG
LAYOUT NAME - xs13

PLOT DATE : 1/28/2020 1:38 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



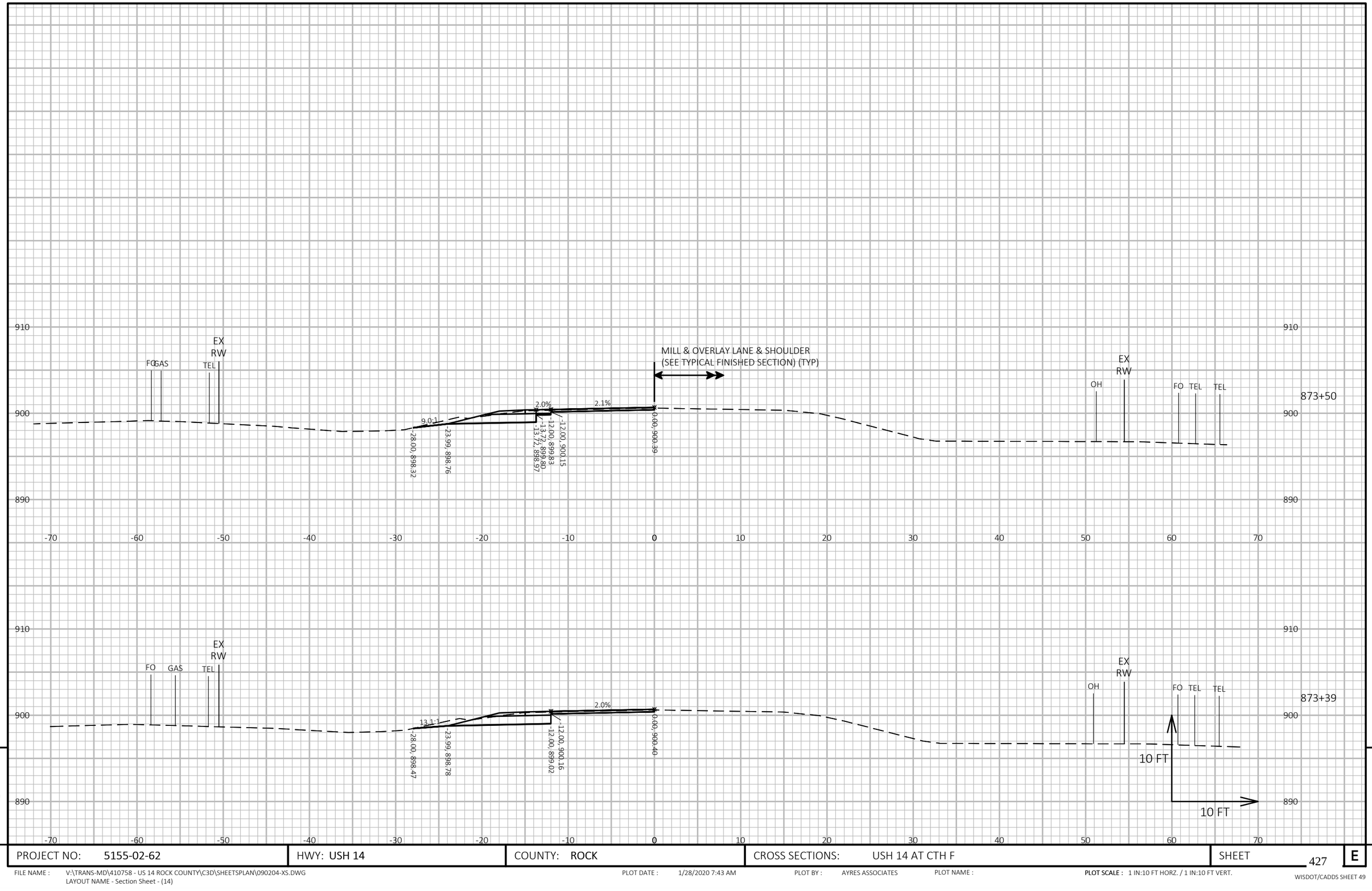
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: GUARDRAIL STA 838+49 TO STA 843+93	SHEET 426	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090211-XS BG AT STA 827.DWG
LAYOUT NAME - xs14

PLOT DATE : 1/28/2020 1:38 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

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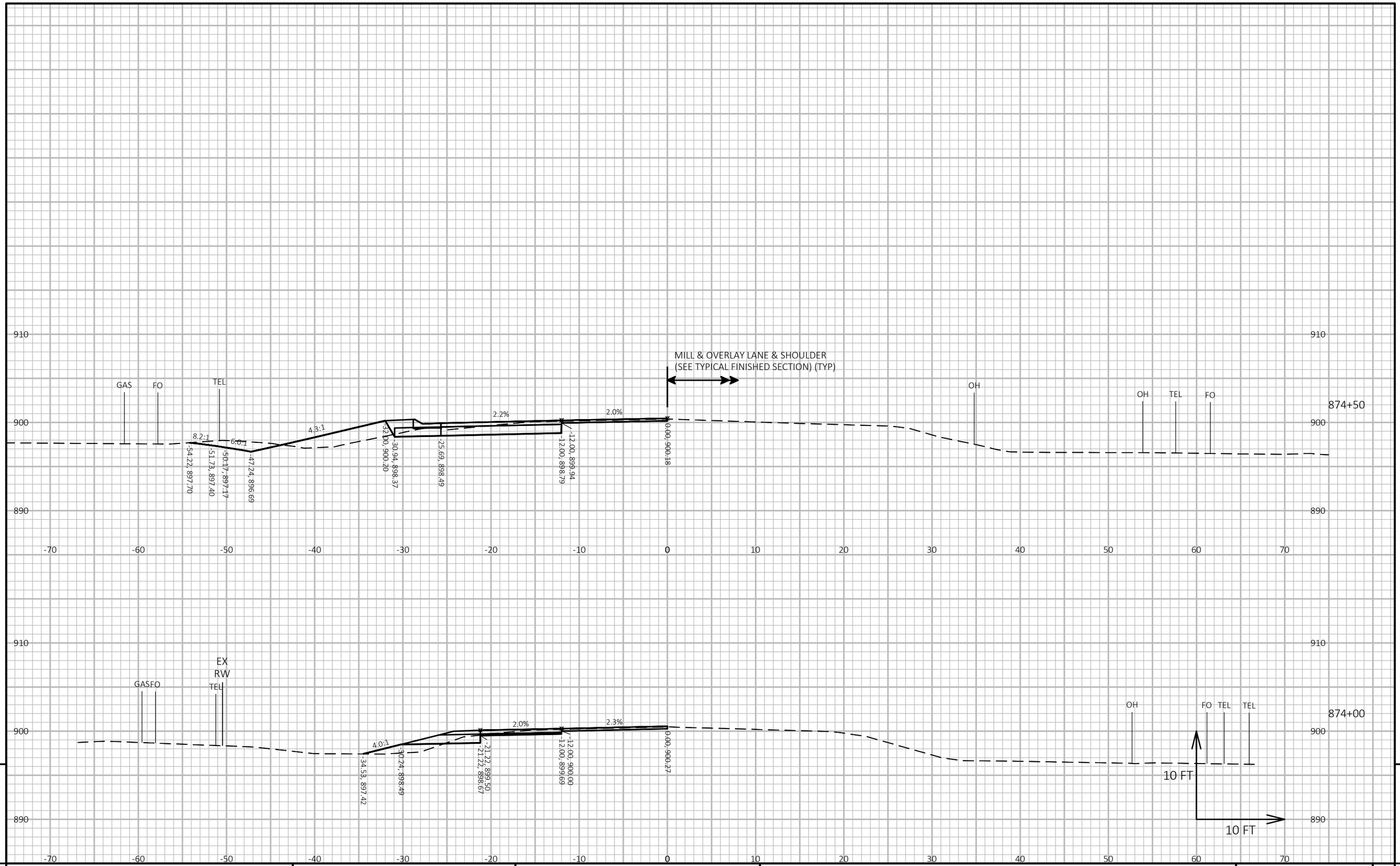
PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH F	SHEET 427	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - Section Sheet - (14)

PLOT DATE : 1/28/2020 7:43 AM PLOT BY : AYRES ASSOCIATES PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

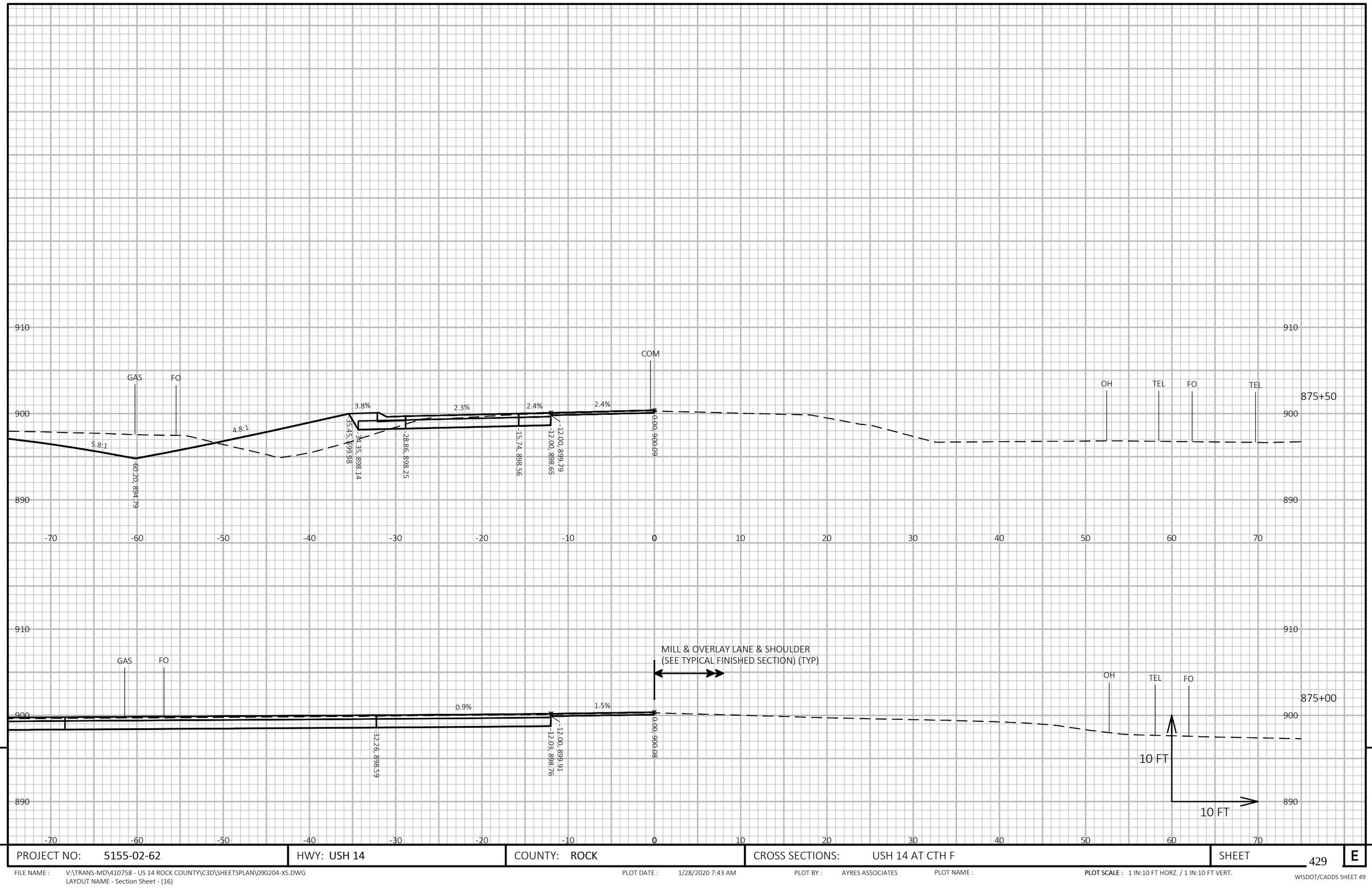
PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH F	SHEET 428	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - Section Sheet - (15)

PLOT DATE : 1/28/2020 7:43 AM PLOT BY : AYRES ASSOCIATES PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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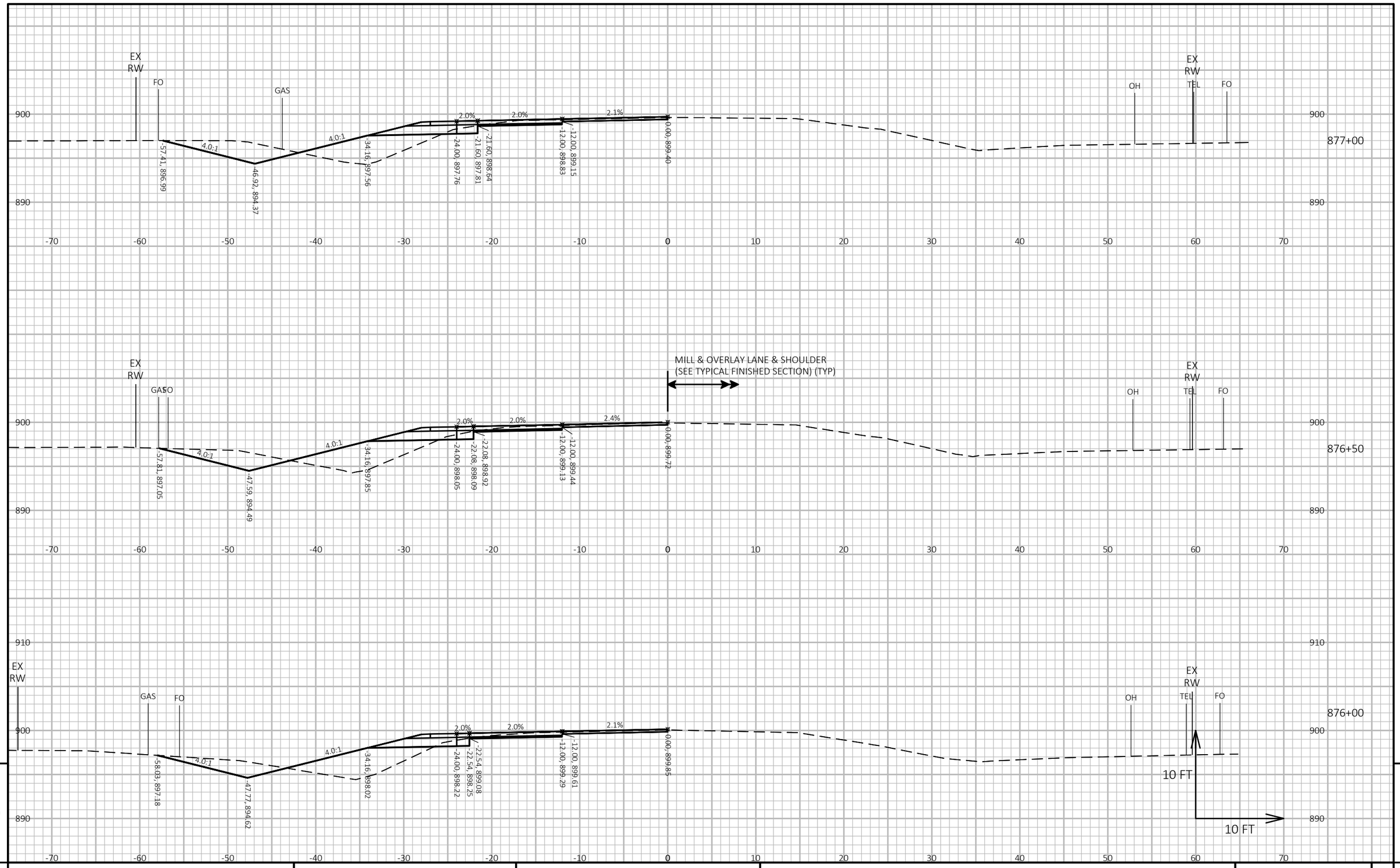
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH F	SHEET 429	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - Section Sheet - (16)

PLOT DATE : 1/28/2020 7:43 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

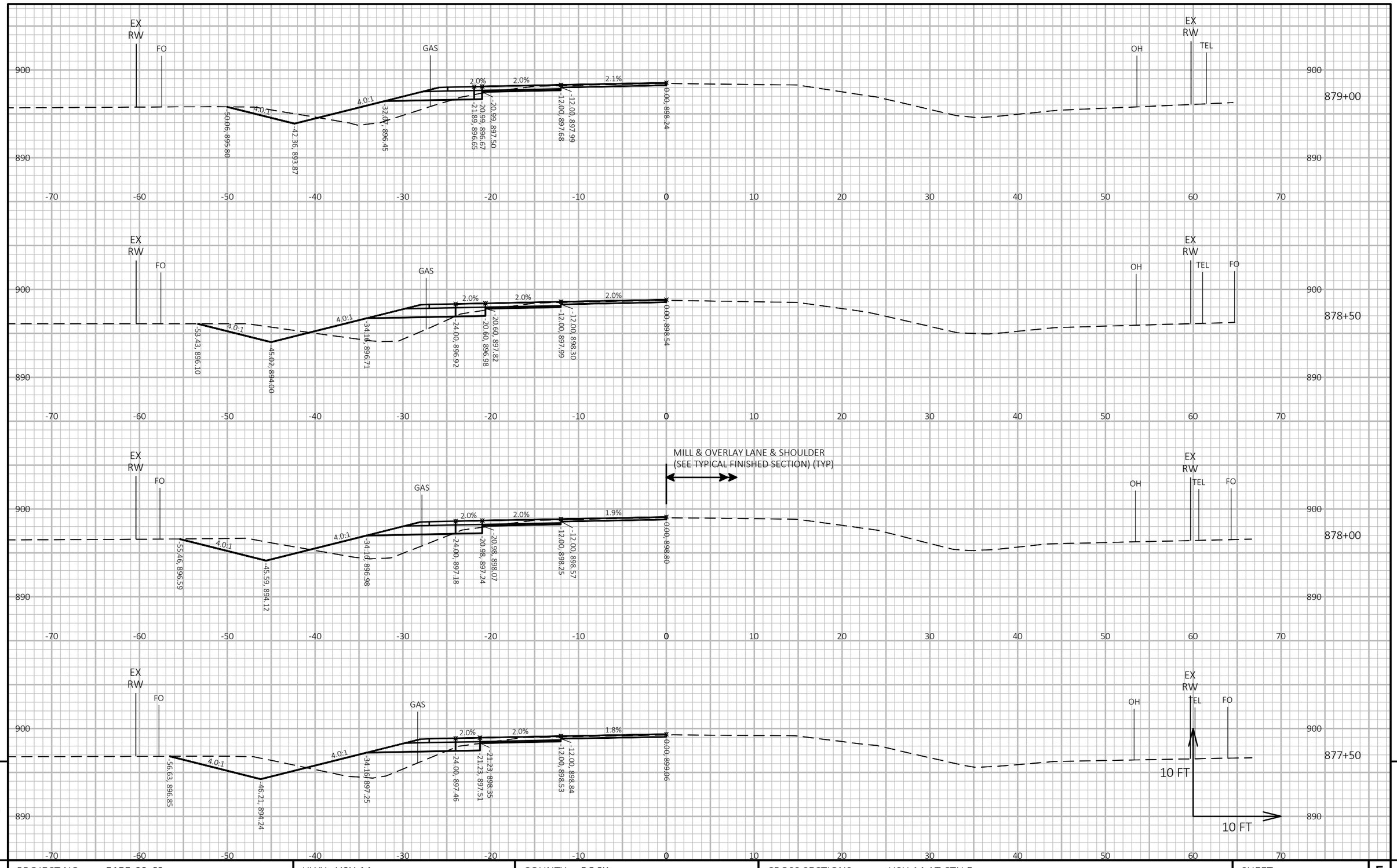
WISDOT/CADDS SHEET 49



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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH F	SHEET 430	E



9

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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH F	SHEET 431	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - Section Sheet - (18)

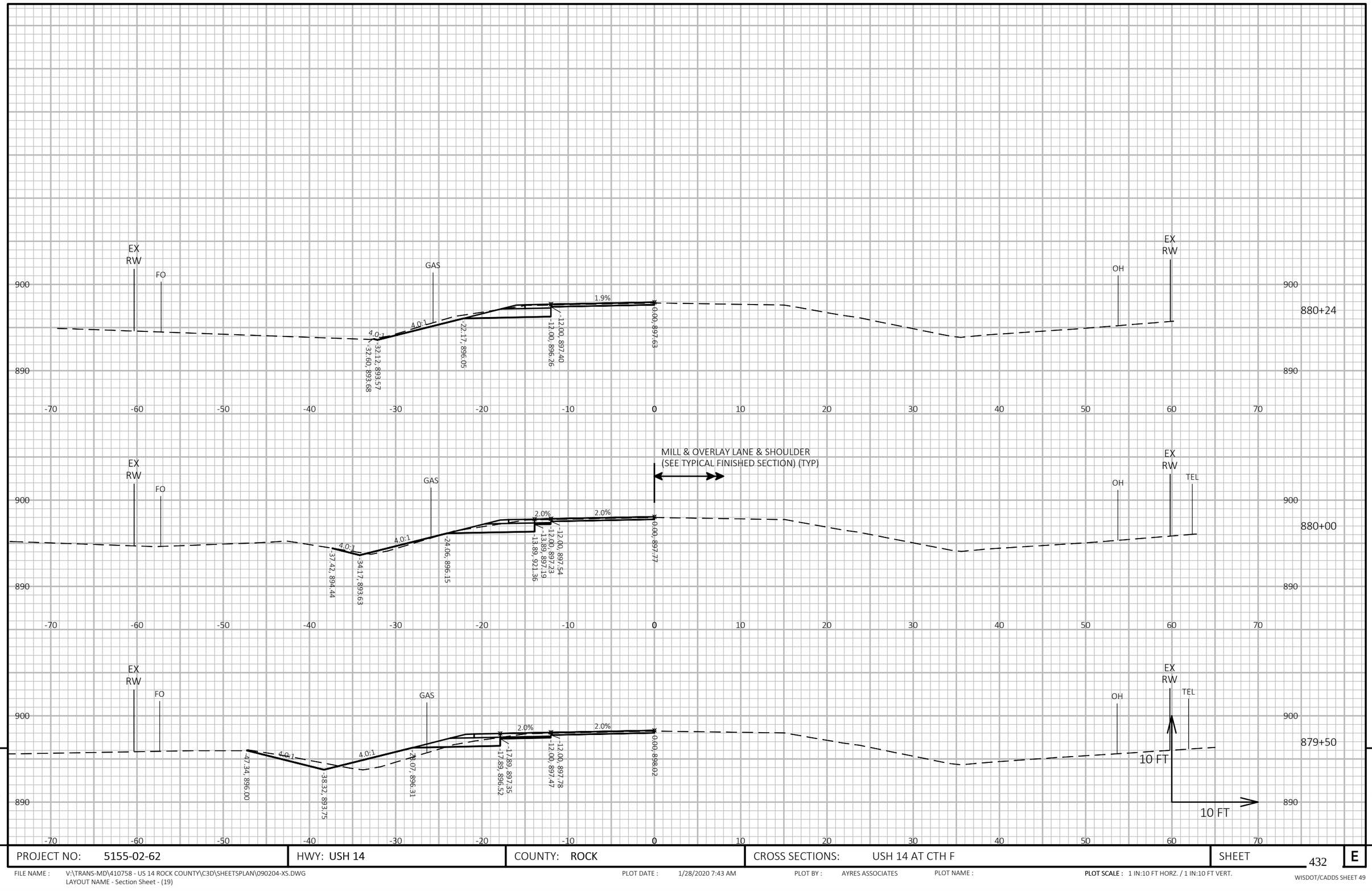
PLOT DATE : 1/28/2020 7:43 AM

PLOT BY : AYRES ASSOCIATES

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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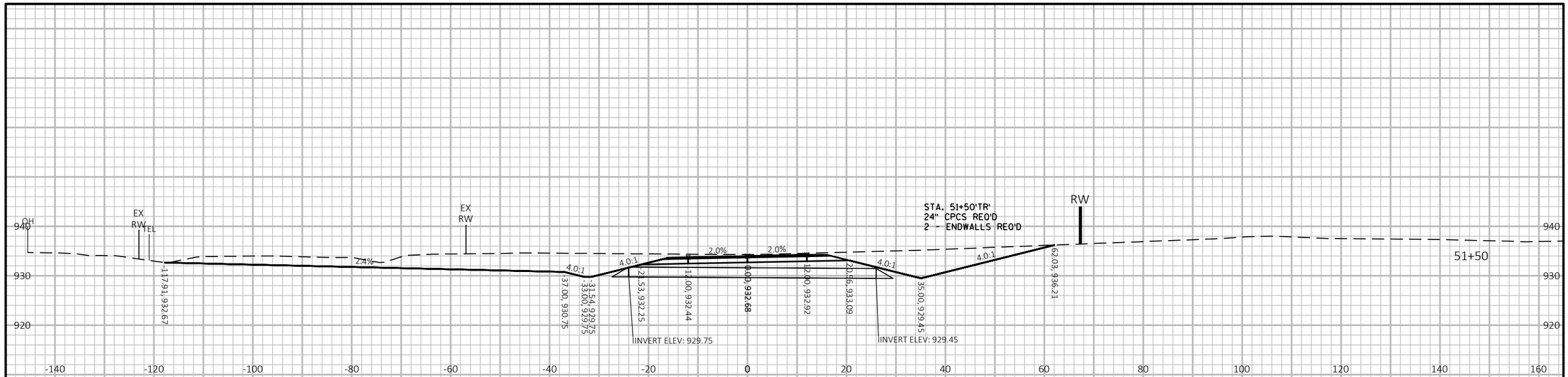
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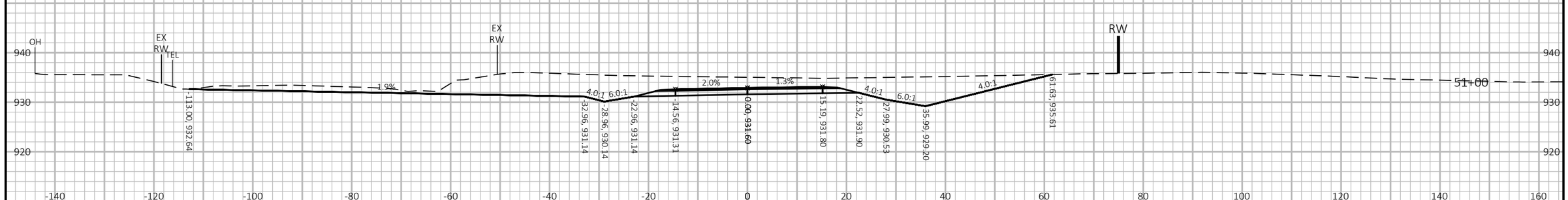
PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: USH 14 AT CTH F	SHEET 432	E

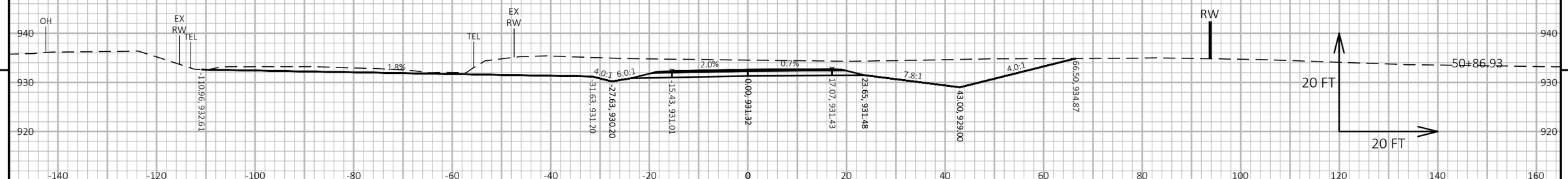
FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - Section Sheet - (19)

PLOT DATE : 1/28/2020 7:43 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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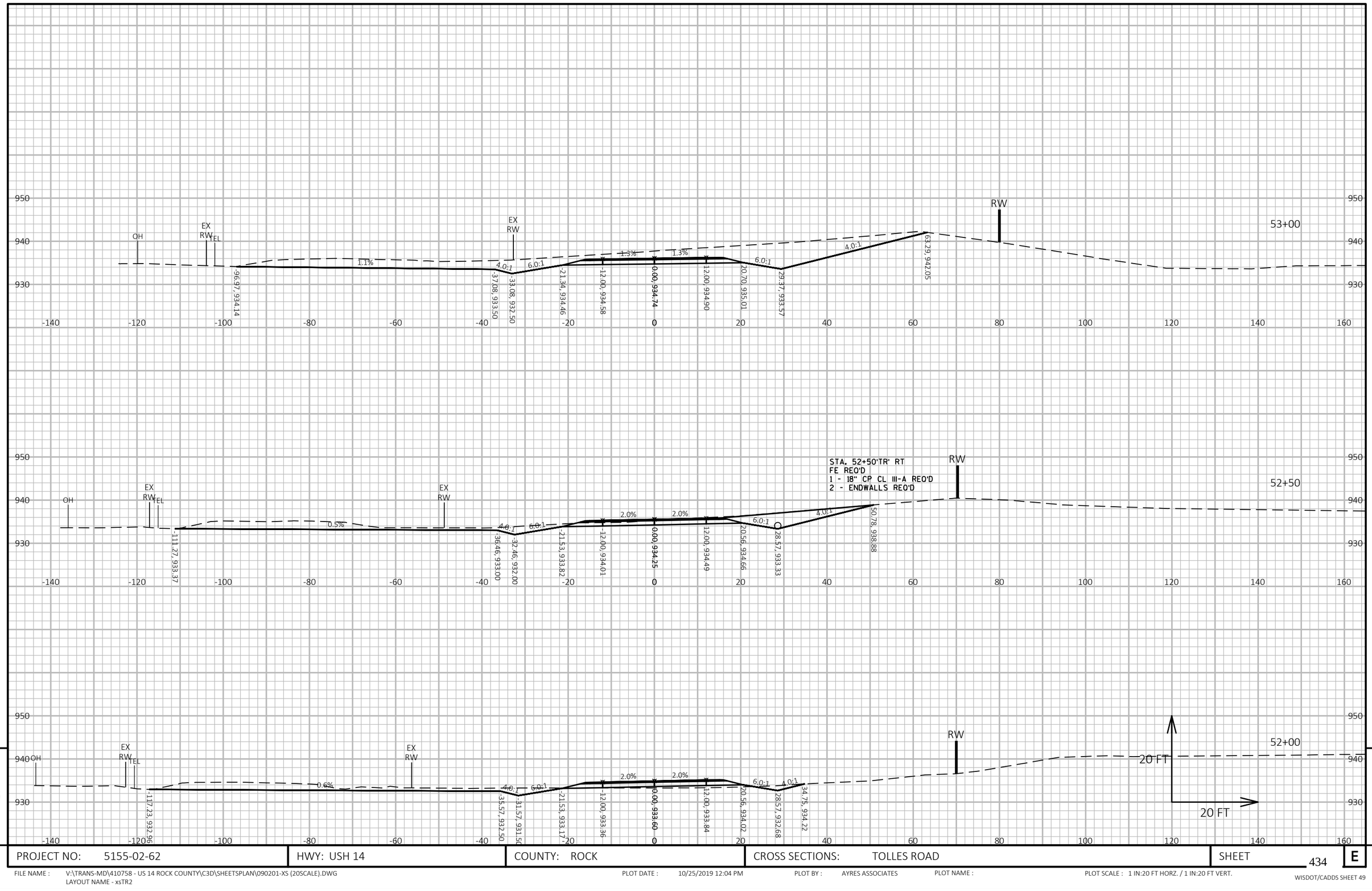
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: TOLLES ROAD	SHEET 433	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090201-XS (20SCALE).DWG
LAYOUT NAME - xsTR1

PLOT DATE : 10/28/2019 9:52 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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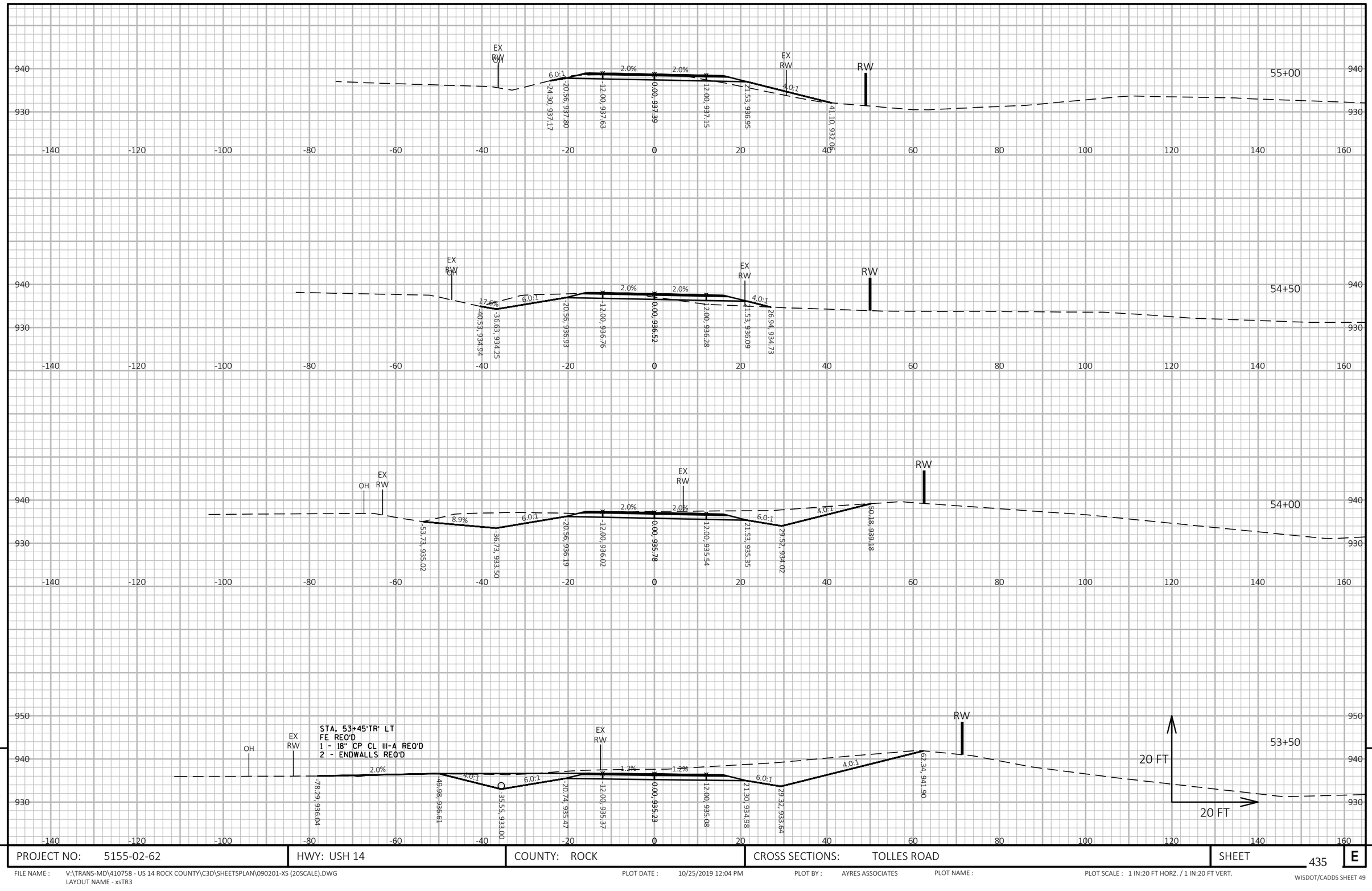
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: TOLLES ROAD	SHEET 434	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090201-XS (20SCALE).DWG
LAYOUT NAME - xsTR2

PLOT DATE : 10/25/2019 12:04 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



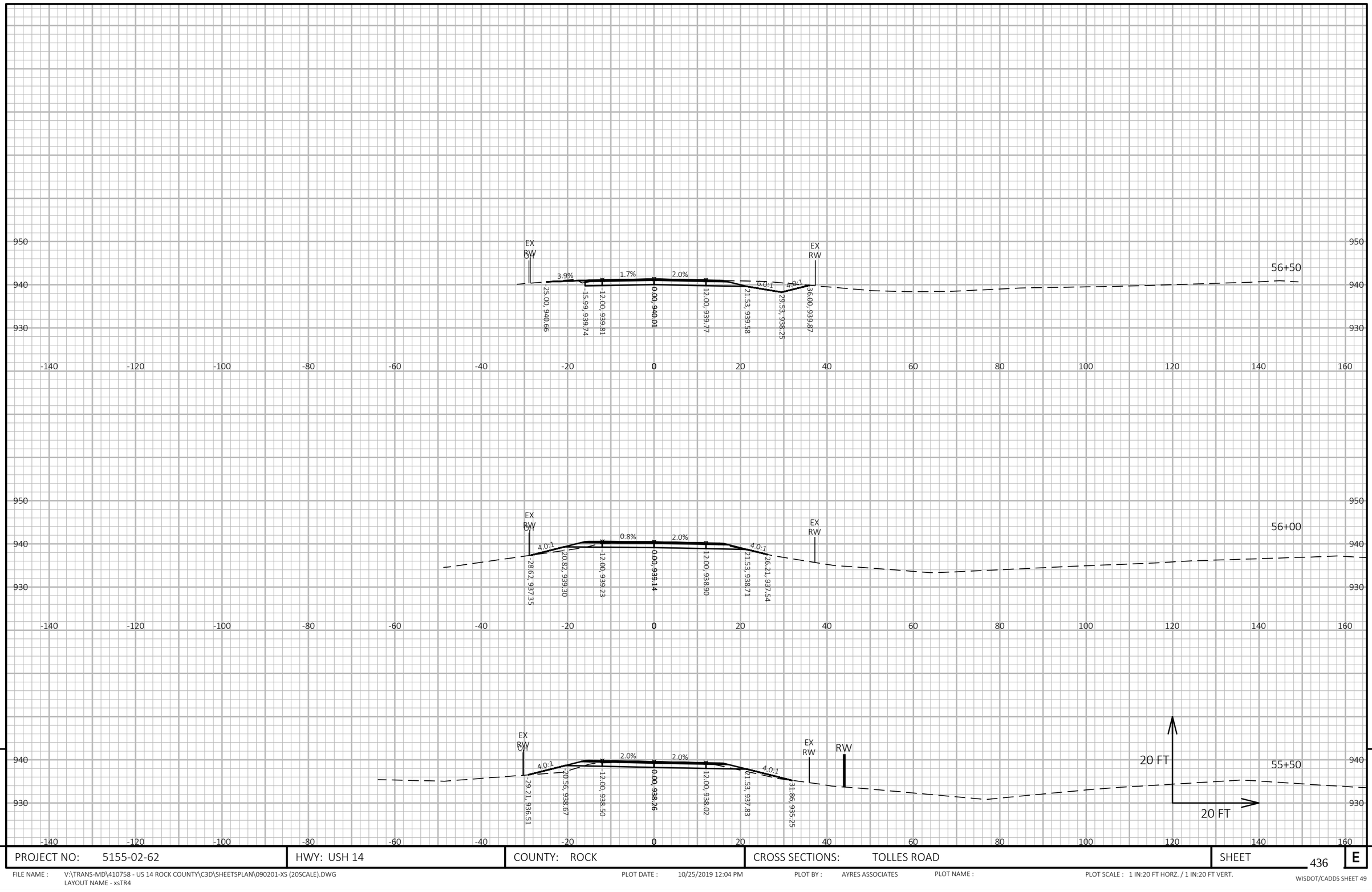
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: TOLLES ROAD	SHEET 435	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090201-XS (20SCALE).DWG
LAYOUT NAME - xsTR3

PLOT DATE : 10/25/2019 12:04 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

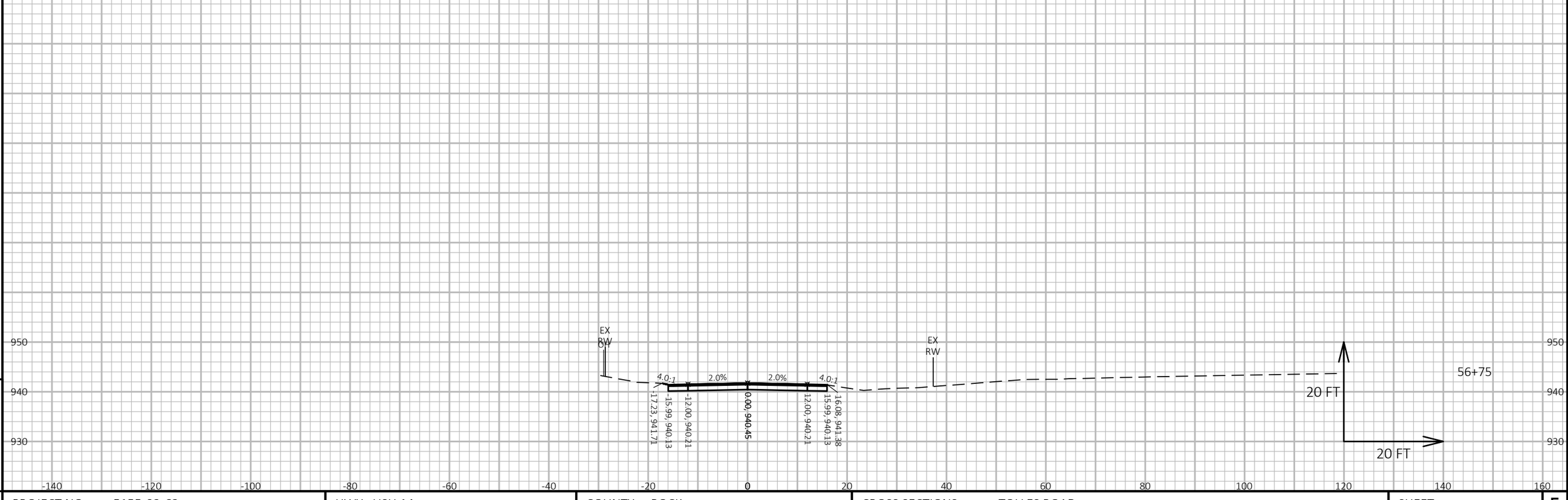
WISDOT/CADDS SHEET 49



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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: TOLLES ROAD	SHEET 436	E



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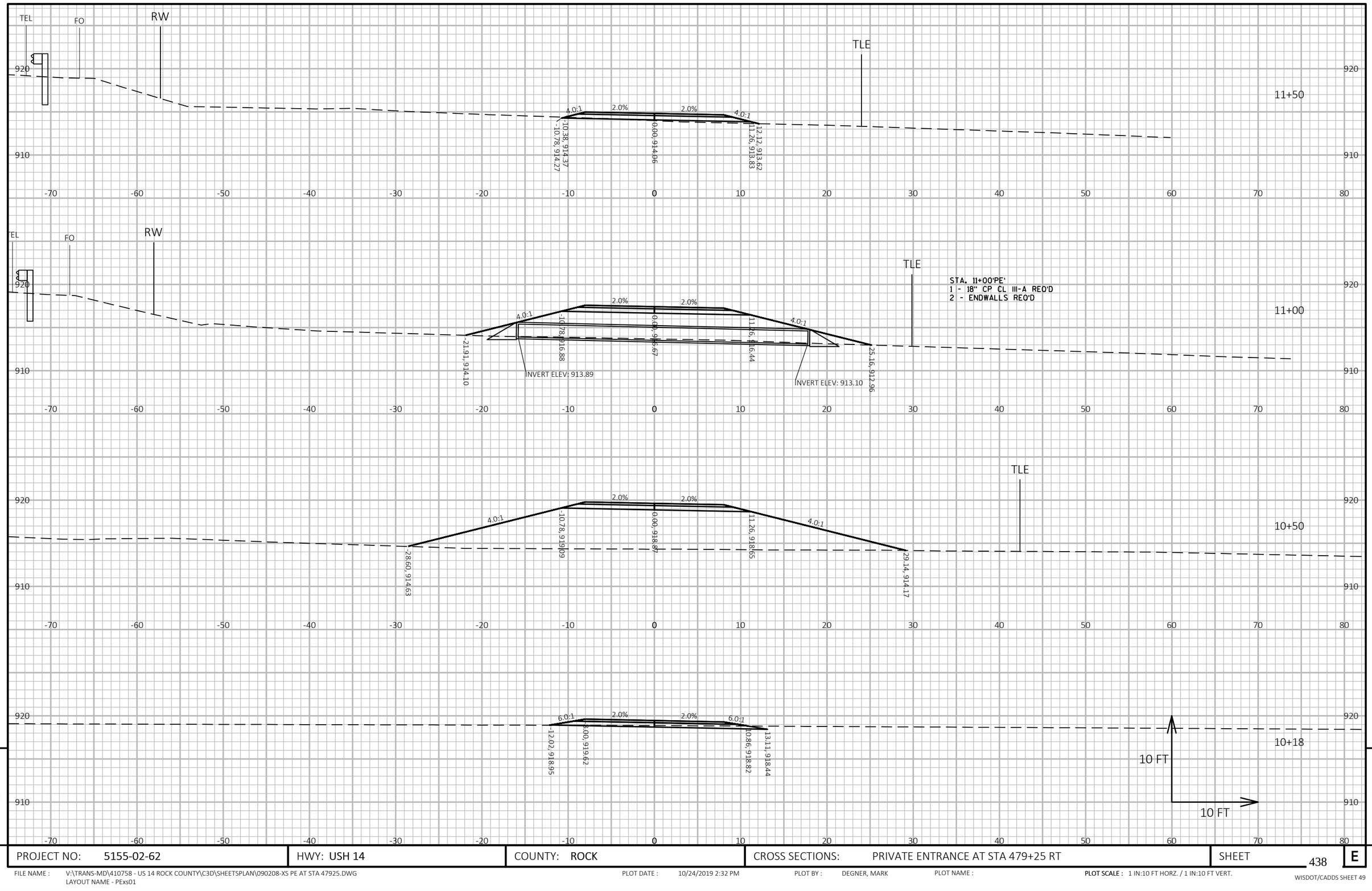
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: TOLLES ROAD	SHEET 437	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090201-XS (20SCALE).DWG
LAYOUT NAME - xsTR5

PLOT DATE : 10/25/2019 12:04 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

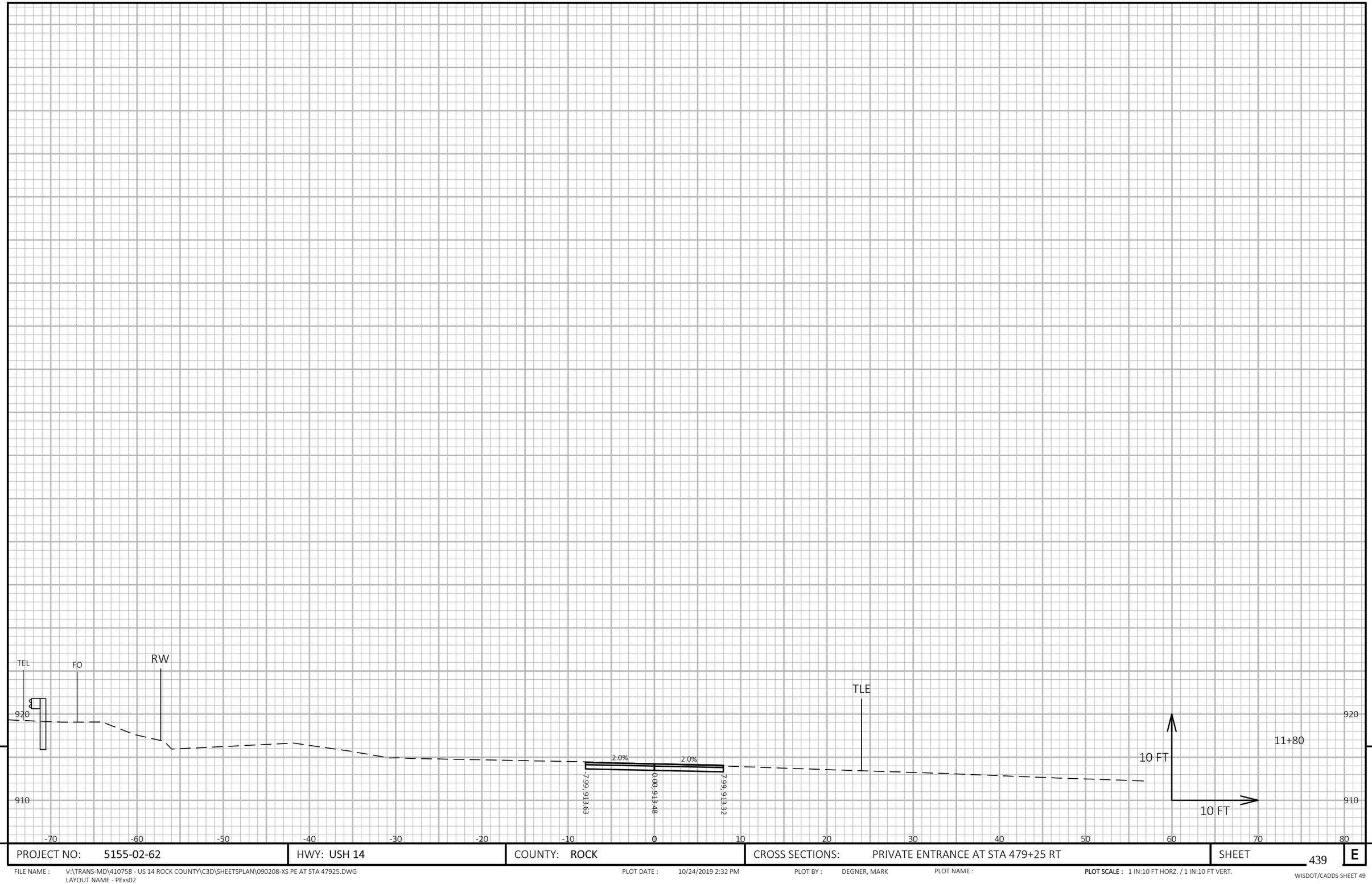


PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: PRIVATE ENTRANCE AT STA 479+25 RT	SHEET 438	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090208-XS PE AT STA 47925.DWG
LAYOUT NAME - PExs01

PLOT DATE : 10/24/2019 2:32 PM PLOT BY : DEGNER, MARK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



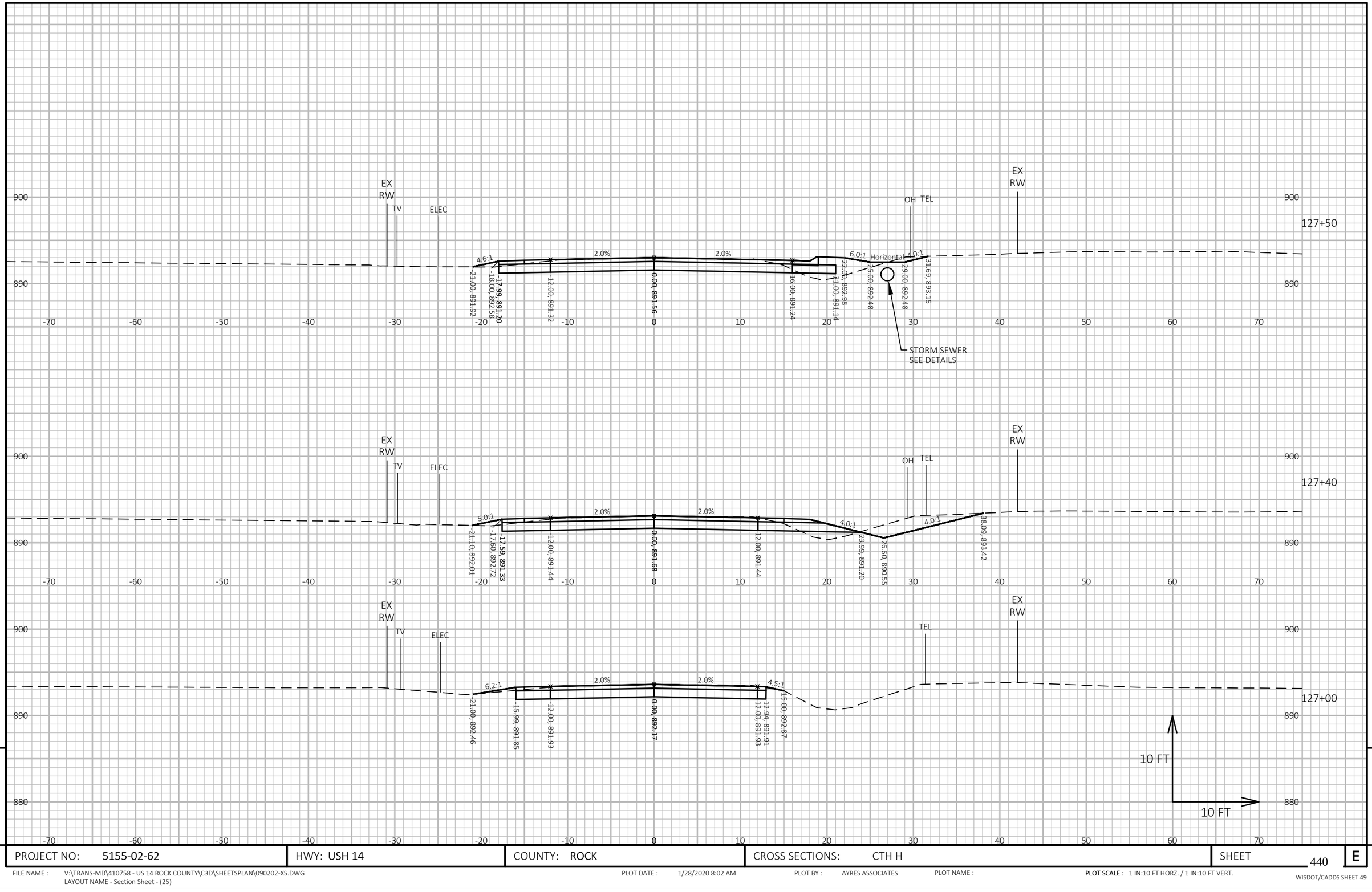
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: PRIVATE ENTRANCE AT STA 479+25 RT	SHEET 439	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090208-XS PE AT STA 47925.DWG
LAYOUT NAME - PExs02

PLOT DATE : 10/24/2019 2:32 PM PLOT BY : DEGNER, MARK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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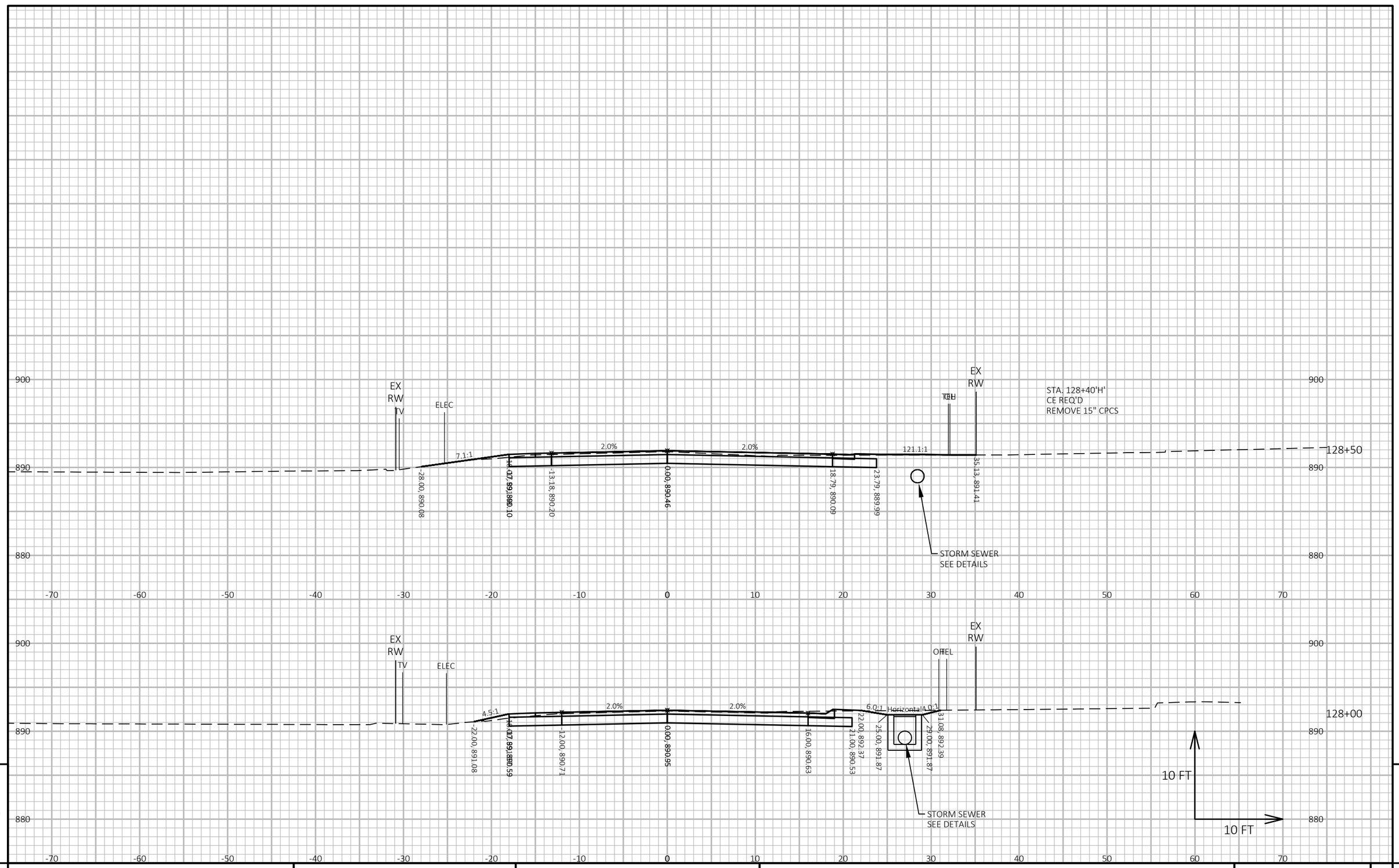
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: CTH H	SHEET 440	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (25)

PLOT DATE : 1/28/2020 8:02 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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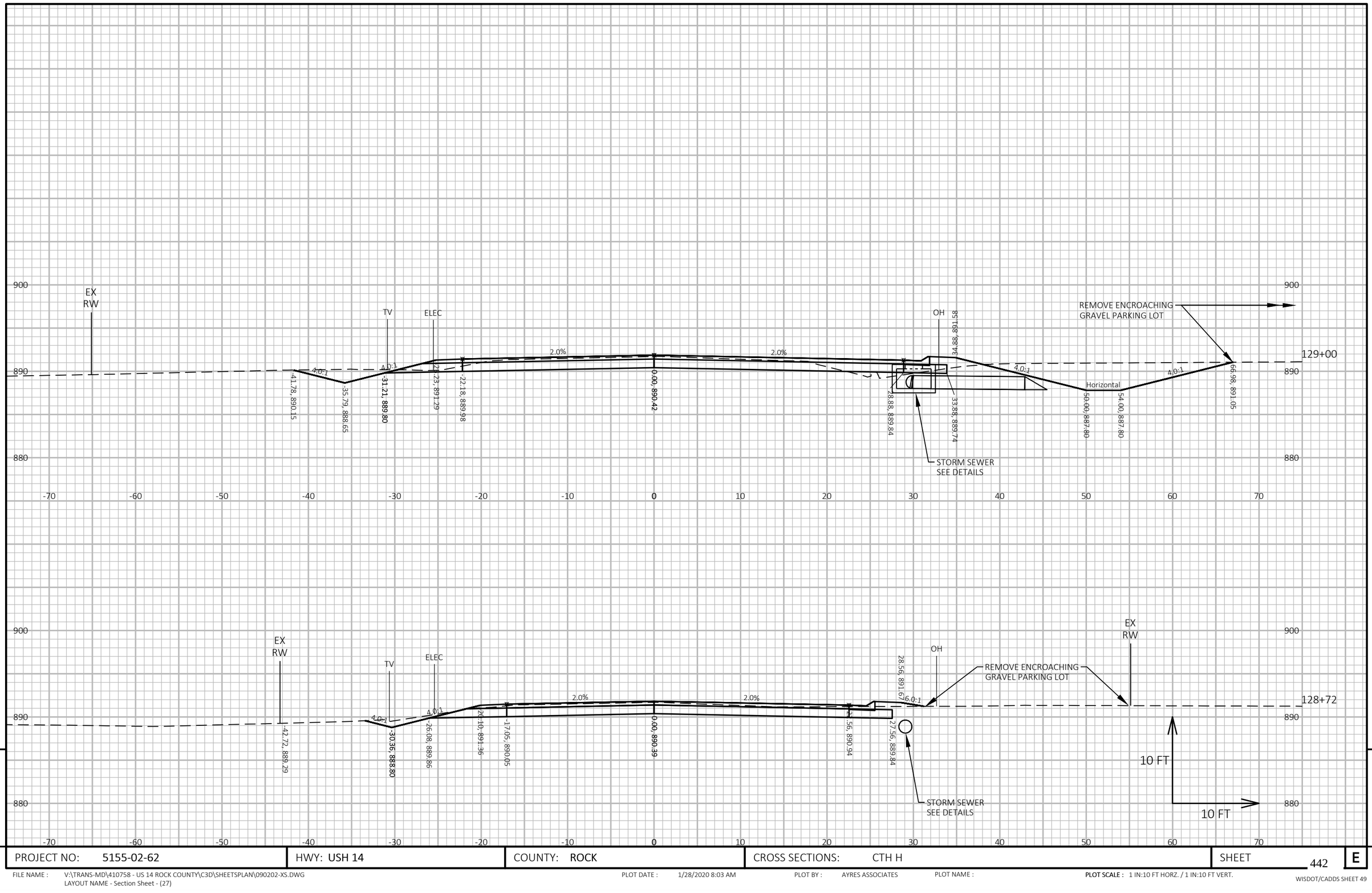
PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: CTH H	SHEET 441	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (26)

PLOT DATE : 1/28/2020 8:02 AM PLOT BY : AYRES ASSOCIATES PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

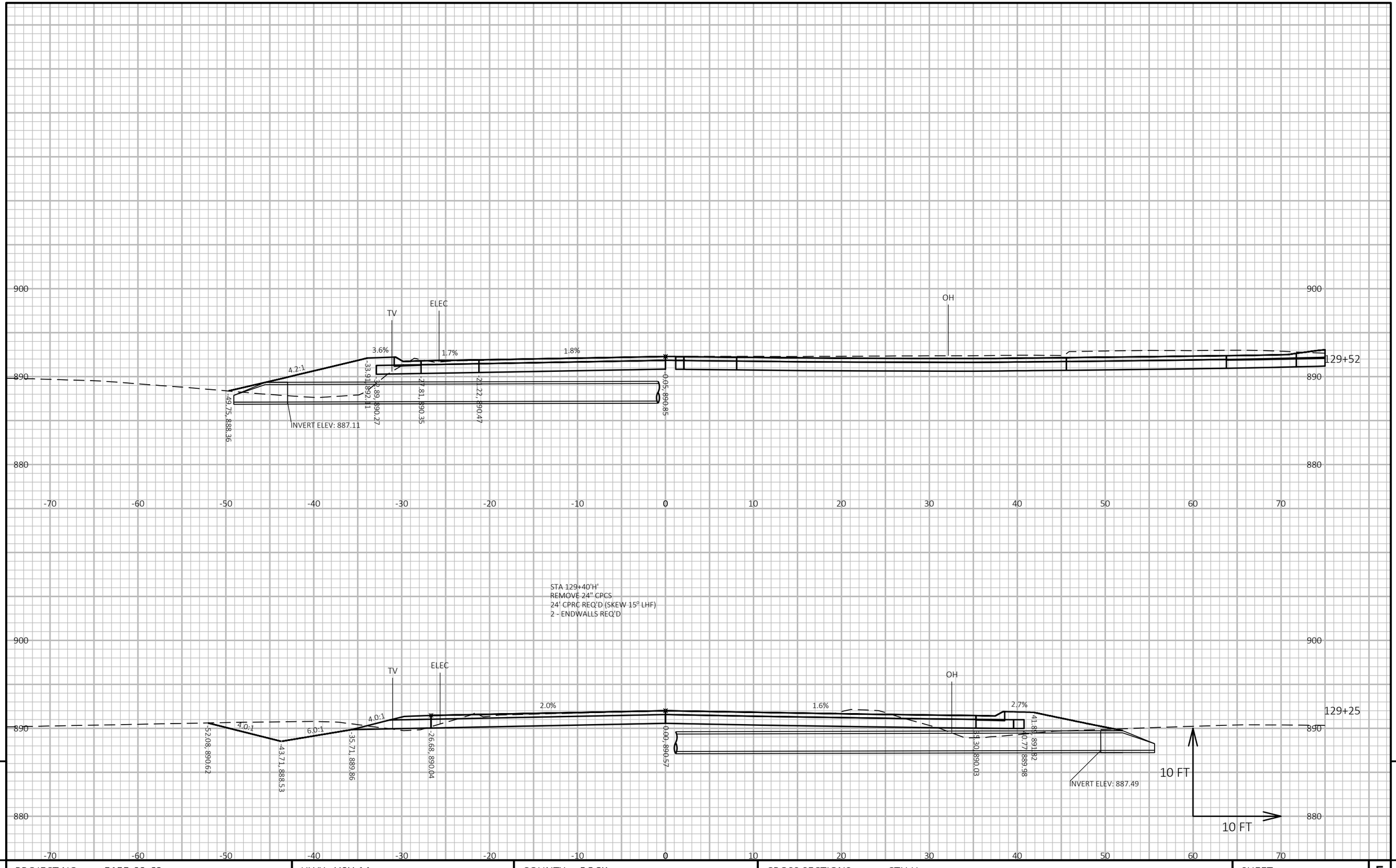


PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: CTH H	SHEET 442	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (27)

PLOT DATE : 1/28/2020 8:03 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: CTH H	SHEET 443	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (27a)

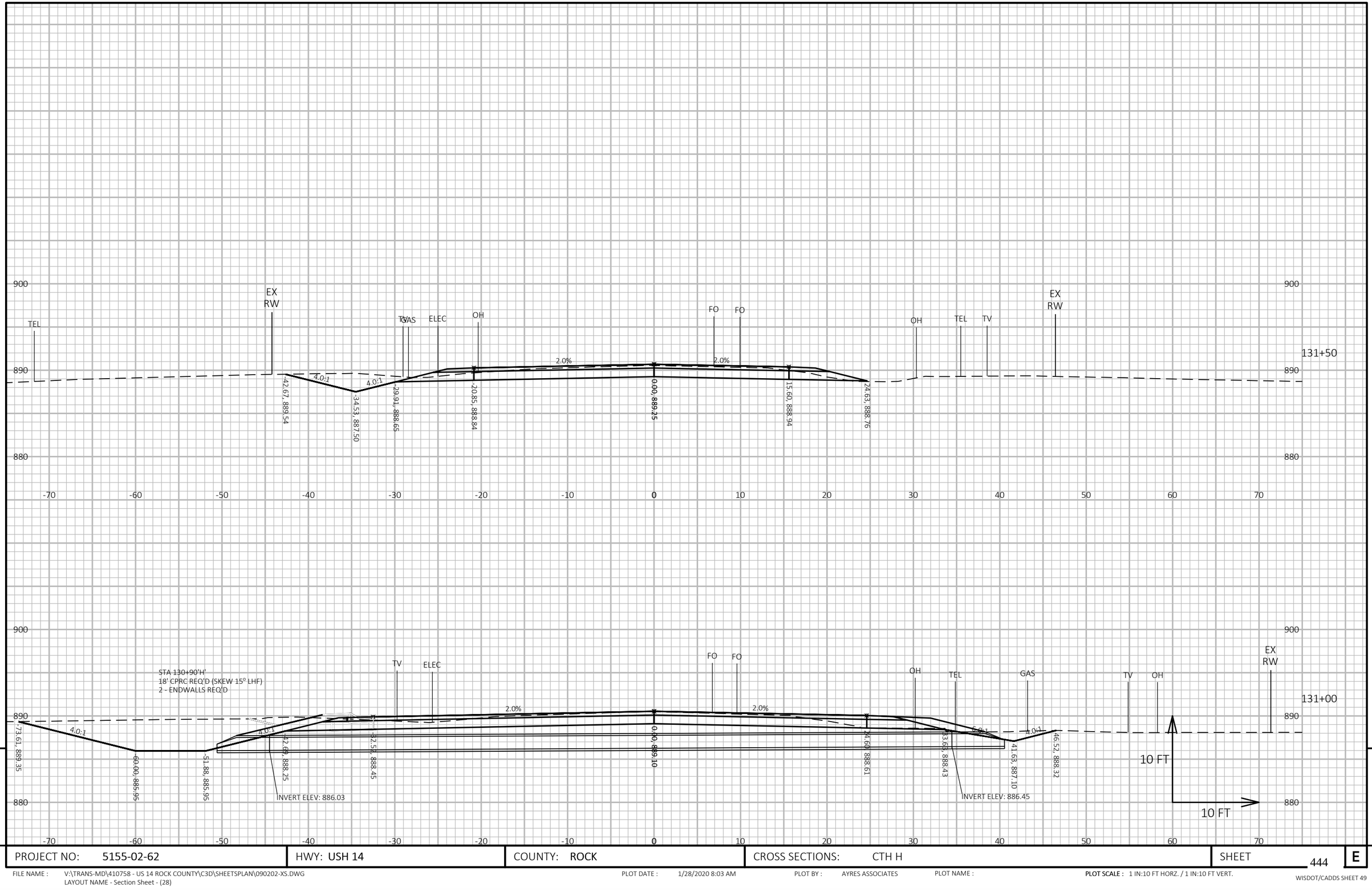
PLOT DATE : 1/28/2020 8:03 AM

PLOT BY : AYRES ASSOCIATES

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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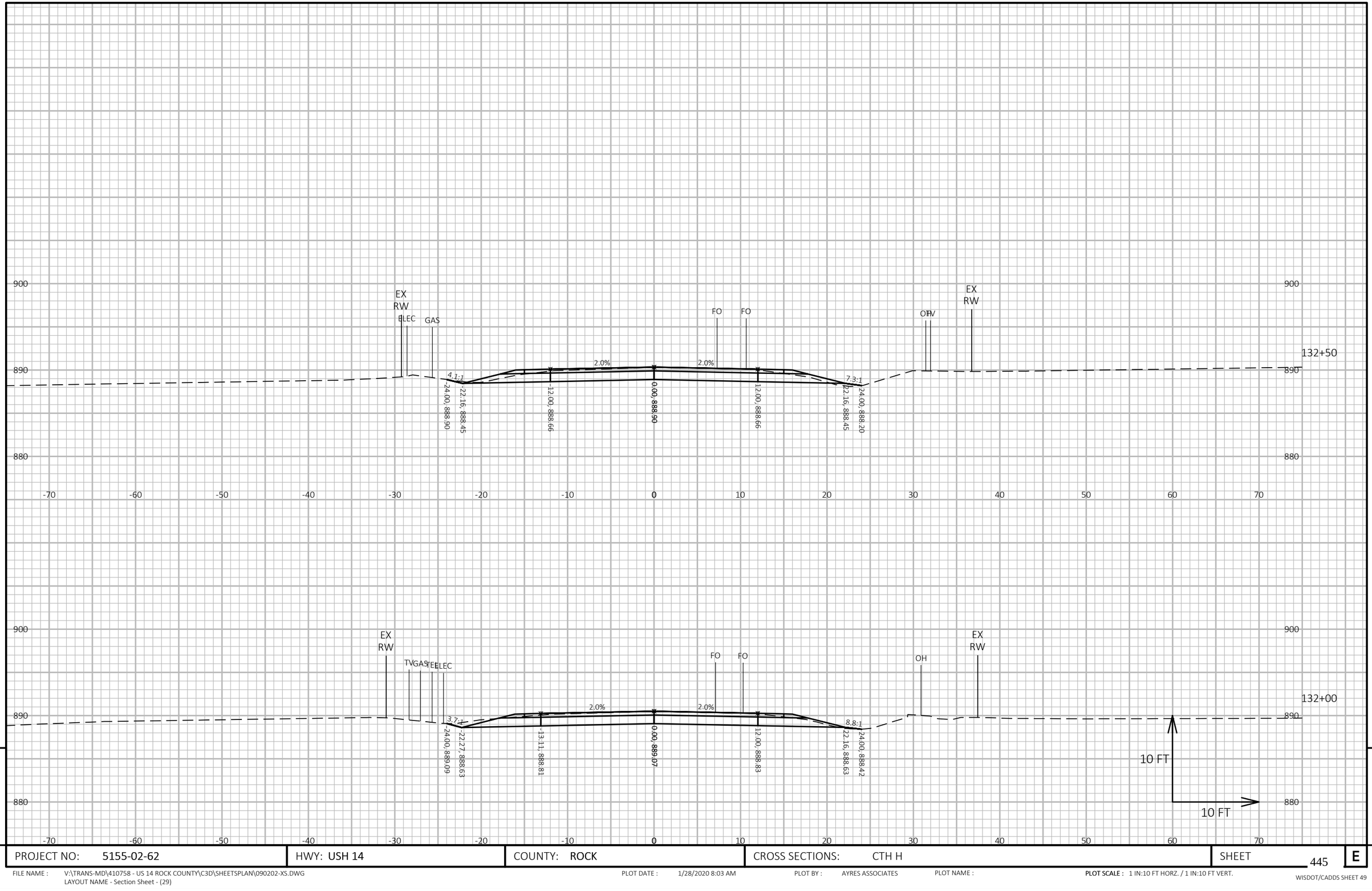
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: CTH H	SHEET 444	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (28)

PLOT DATE : 1/28/2020 8:03 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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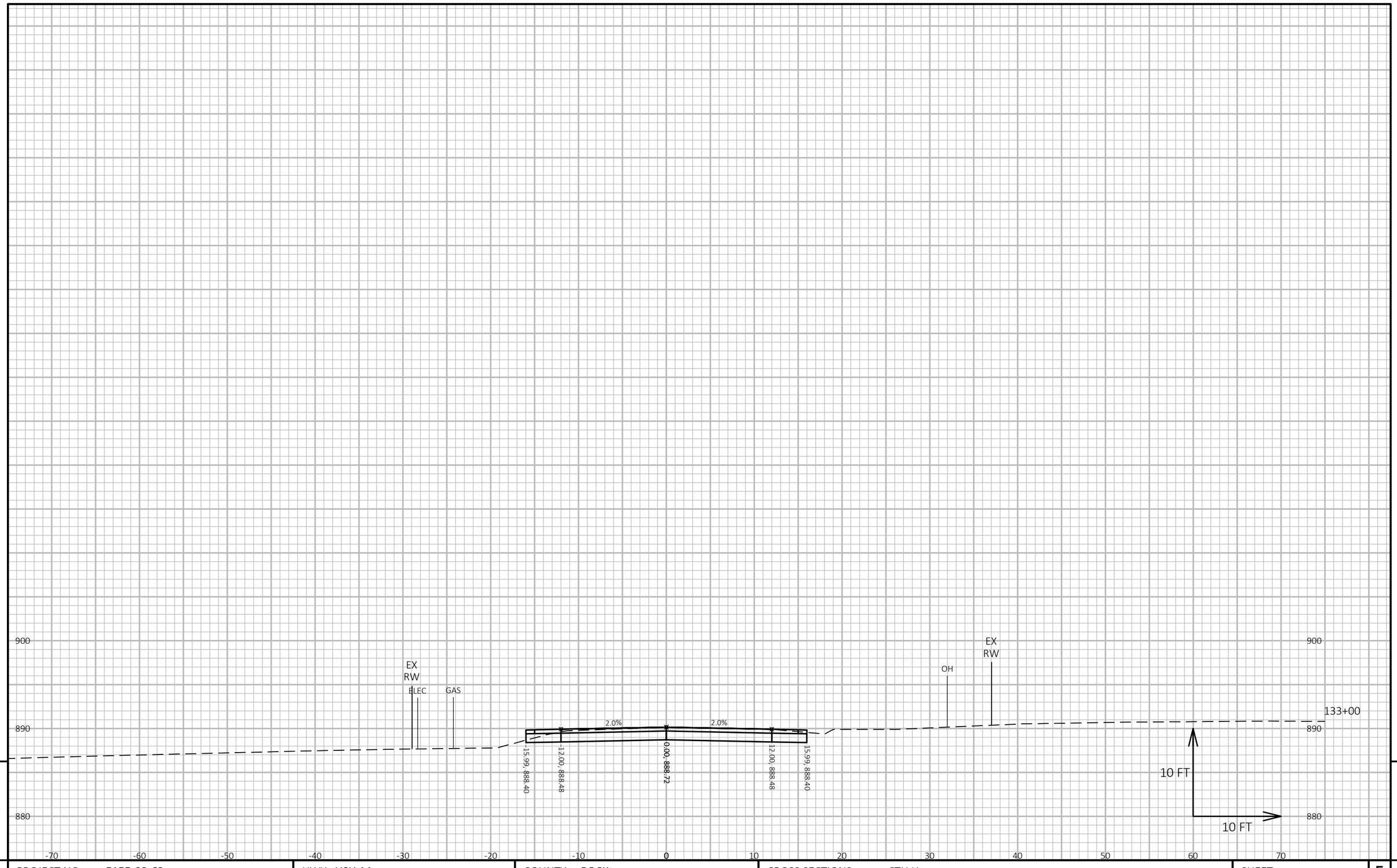
PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: CTH H	SHEET 445	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (29)

PLOT DATE : 1/28/2020 8:03 AM PLOT BY : AYRES ASSOCIATES PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: CTH H	SHEET 446	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - Section Sheet - (30)

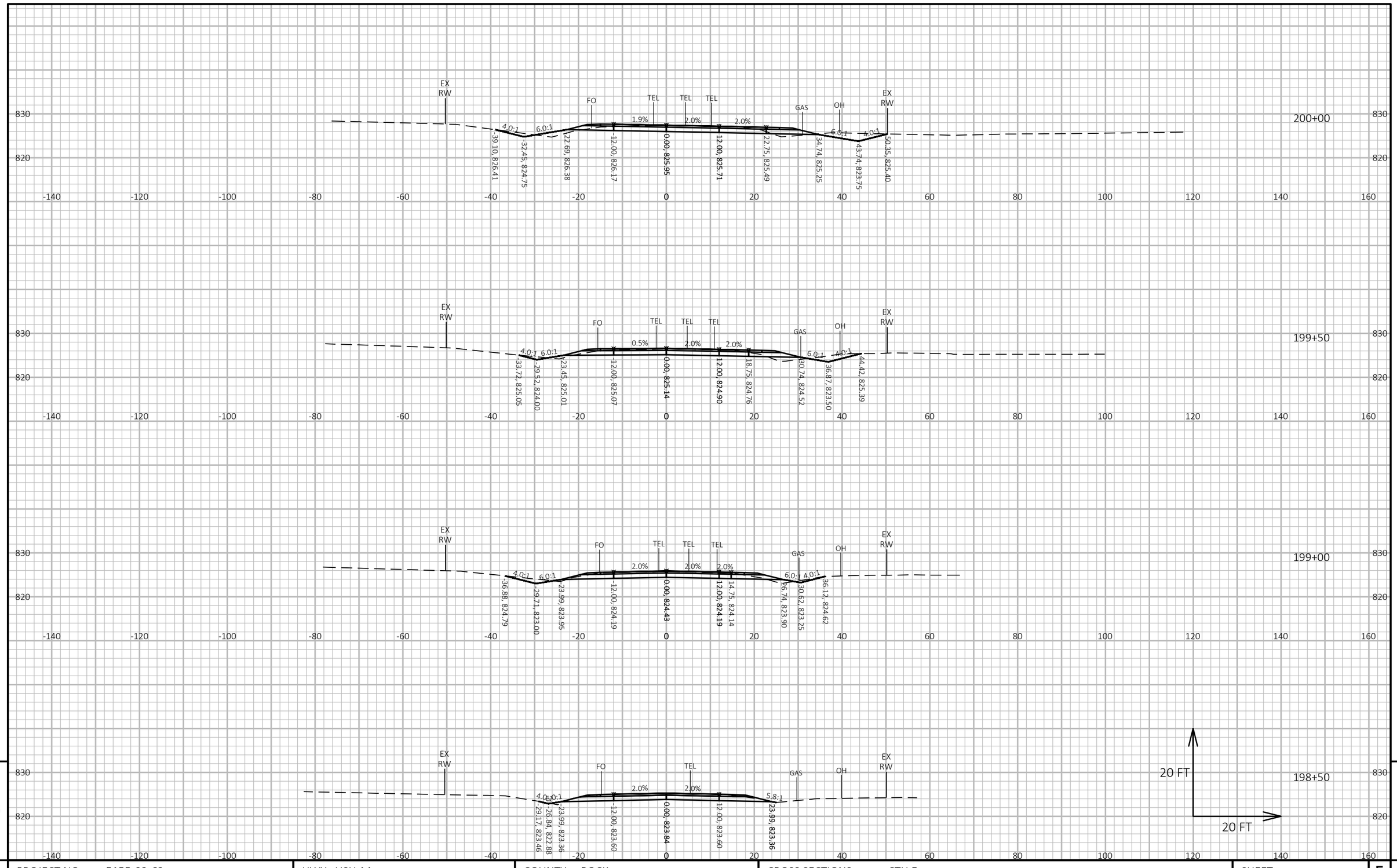
PLOT DATE : 1/28/2020 8:04 AM

PLOT BY : AYRES ASSOCIATES

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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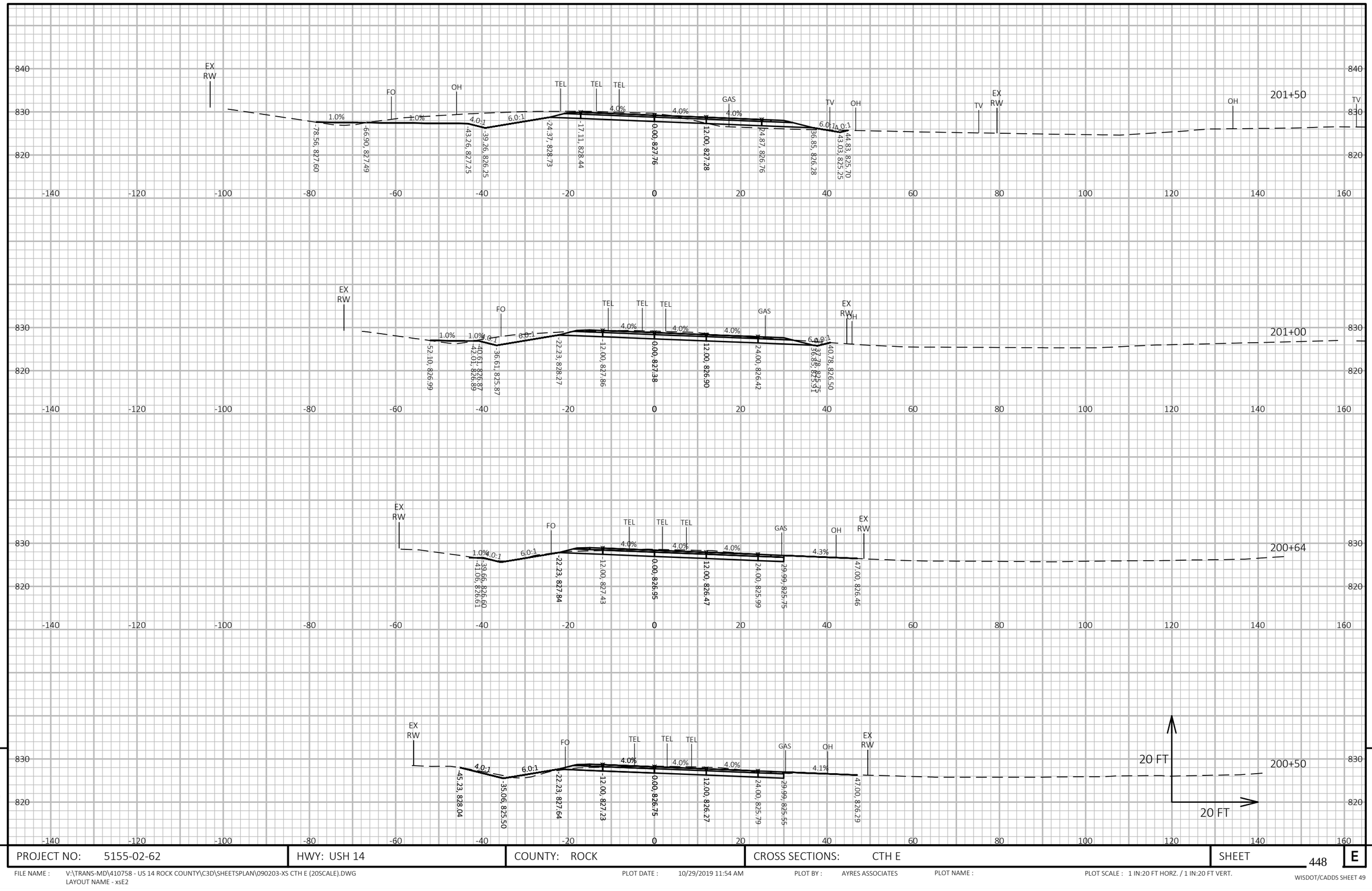
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: CTH E	SHEET 447	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090203-XS CTH E (20SCALE).DWG
LAYOUT NAME - xsE1

PLOT DATE : 10/29/2019 11:54 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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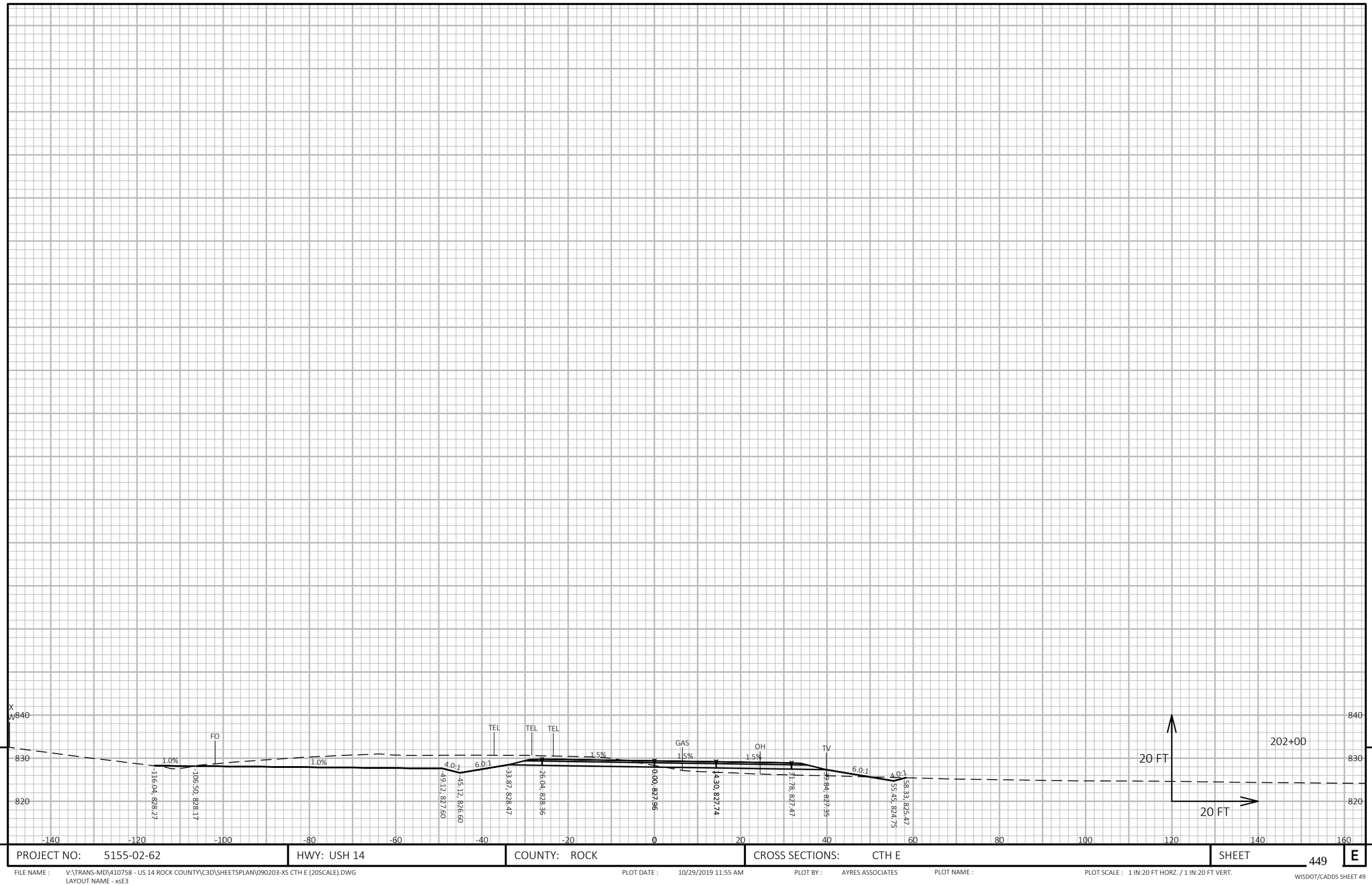
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: CTH E	SHEET 448	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090203-XS CTH E (20SCALE).DWG
LAYOUT NAME - xsE2

PLOT DATE : 10/29/2019 11:54 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

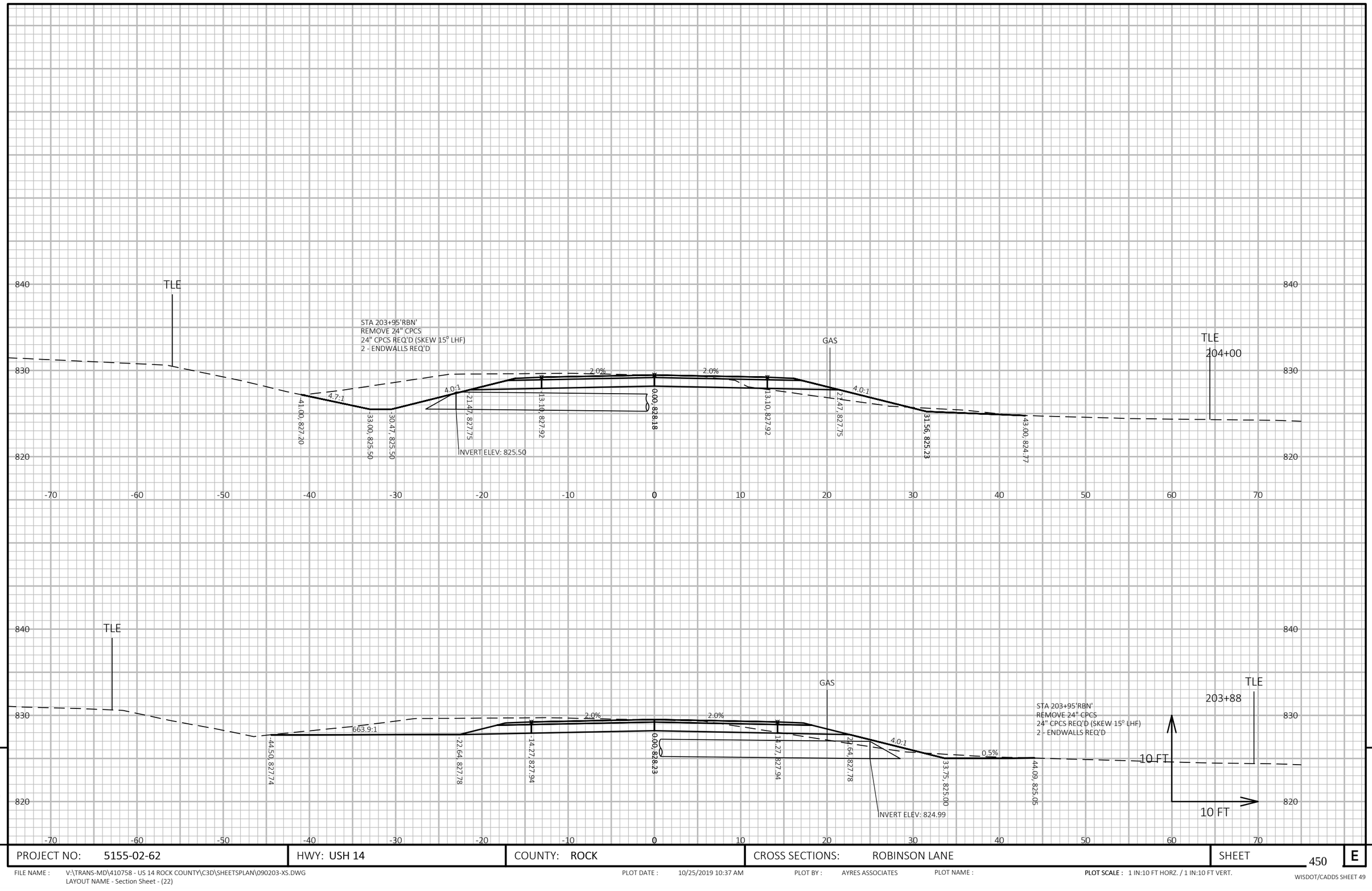


PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: CTH E	SHEET 449	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090203-XS CTH E (20SCALE).DWG
LAYOUT NAME - xsE3

PLOT DATE : 10/29/2019 11:55 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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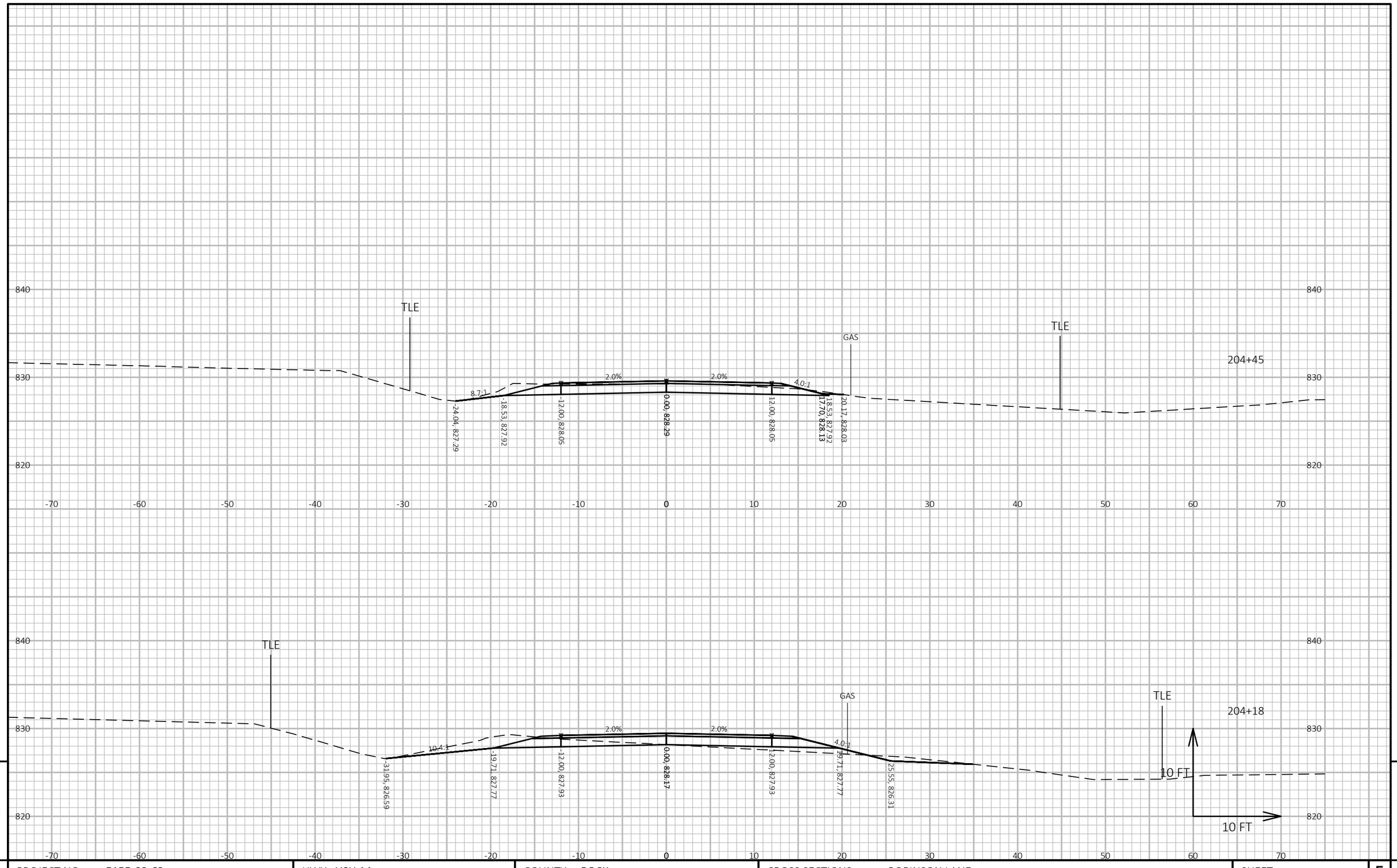
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: ROBINSON LANE	SHEET 450	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - Section Sheet - (22)

PLOT DATE : 10/25/2019 10:37 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

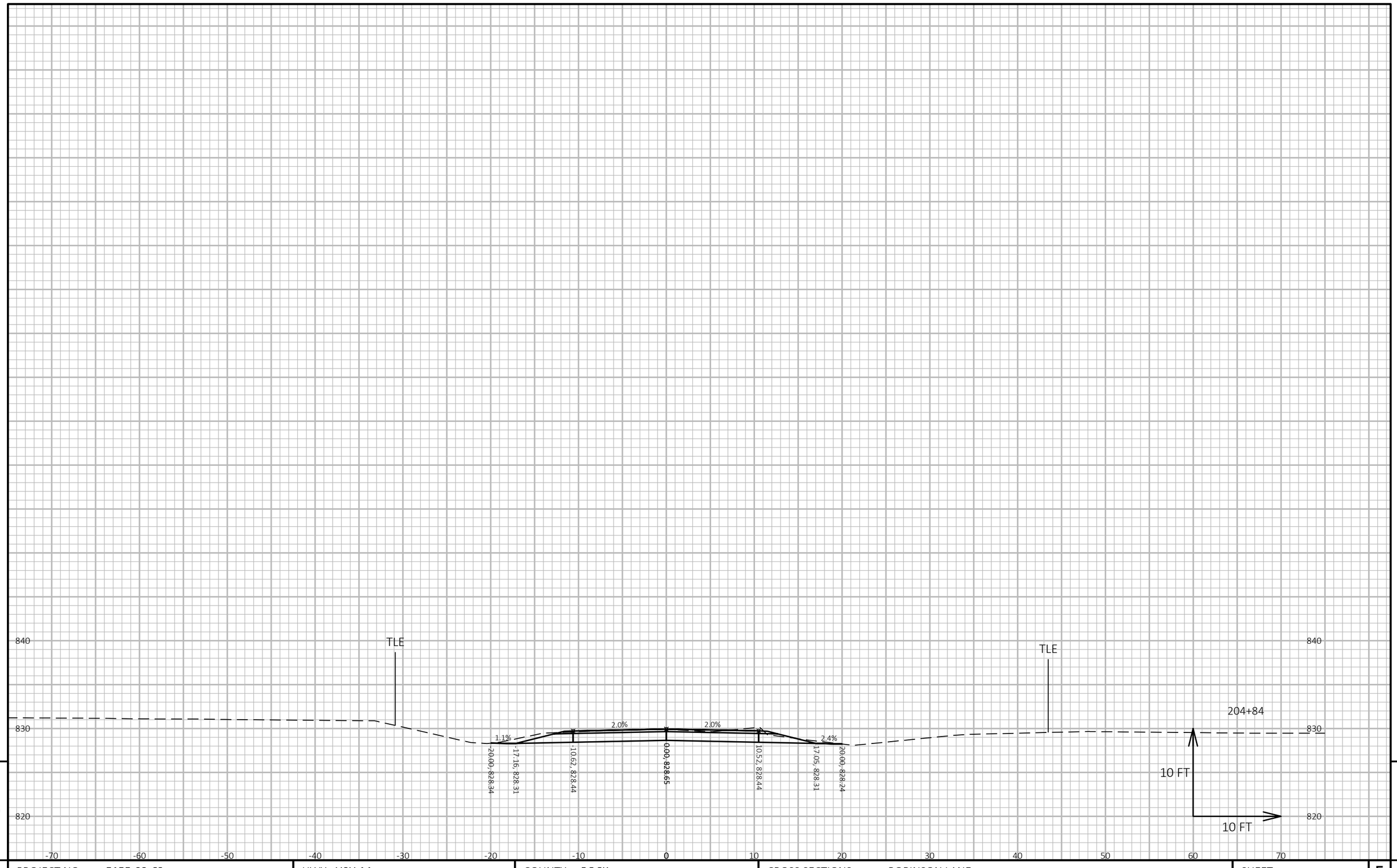
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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: ROBINSON LANE	SHEET 451	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - Section Sheet - (23)

PLOT DATE : 10/25/2019 10:37 AM PLOT BY : AYRES ASSOCIATES PLOT NAME :

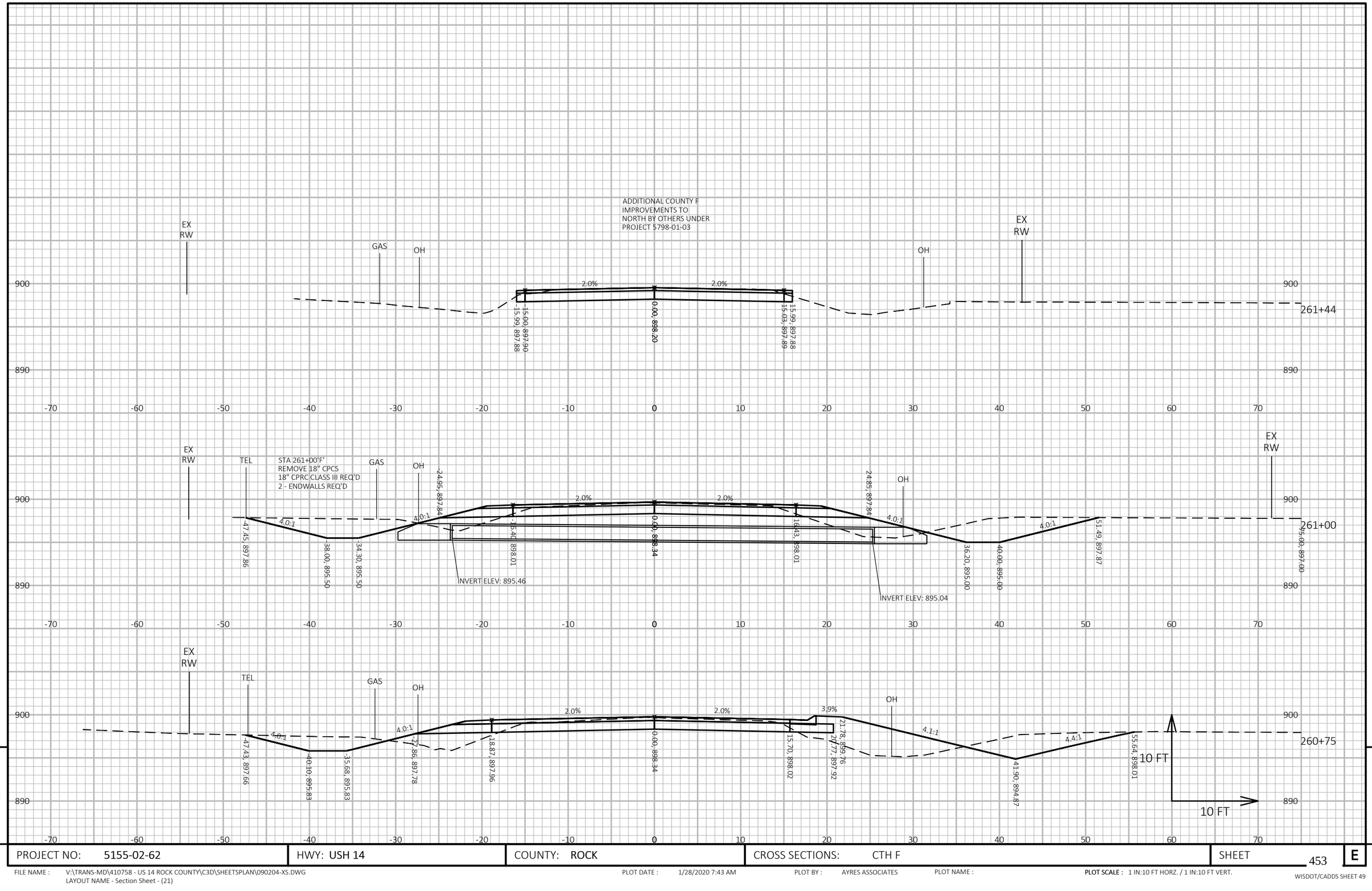
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: ROBINSON LANE	SHEET 452	E



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PROJECT NO: 5155-02-62	HWY: USH 14	COUNTY: ROCK	CROSS SECTIONS: CTH F	SHEET 453	E

FILE NAME : V:\TRANS-MD\410758 - US 14 ROCK COUNTY\C3D\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - Section Sheet - (21)

PLOT DATE : 1/28/2020 7:43 AM

PLOT BY : AYRES ASSOCIATES

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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