GRE SEPTEMBER 2020

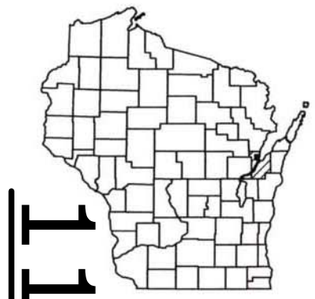
PROJECT ID: 9200-10-71/72
WITH: N/A

COUNTY: BROWN

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 = 1028



11

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

SHAWANO - GREEN BAY

CTH VV INTERCHANGE

STH 29

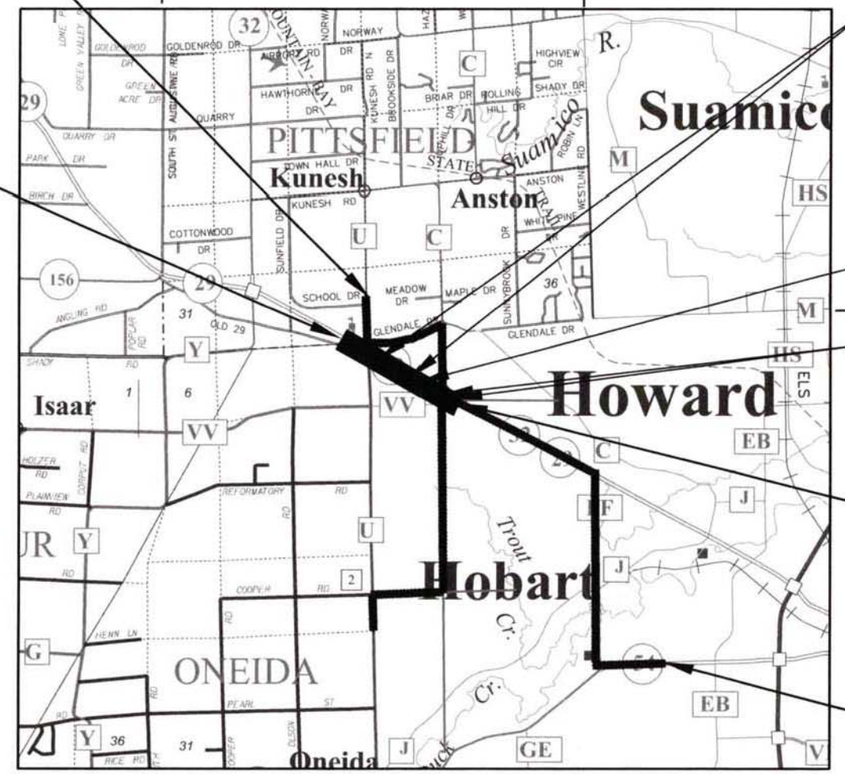
BROWN COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
9200-10-71	WISC 2019634	1
9200-10-72	WISC 2019634	1

STATE PROJECT NUMBER
9200-10-71/72

END PROJECT 9200-10-72
STA. 437+10

BEGIN PROJECT 9200-10-71
STA. 479+68'EB'
Y = 593054.462
X = 53497.741



EXCEPTION TO NET CENTERLINE LENGTH
STA. 494+89'EB' TO STA. 516+04'EB'

STRUCTURE B-05-0416

EXCEPTION TO NET CENTERLINE LENGTH
STA. 567+22'EB' TO STA. 572+69'EB'

END PROJECT 9200-10-71
STA. 579+55'EB'

BEGIN PROJECT 9200-10-72
STA. 0+00
Y = 570659.888
X = 75194.795

LAYOUT
SCALE 0 2 Mi.

TOTAL NET LENGTH OF CENTERLINE = 1.387 Miles

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), BROWN COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON WISCONSIN GEOID12B.

DESIGN DESIGNATION

		STH 29	CTH VV
A.A.D.T.	2021	= 25,600	5,100
A.A.D.T.	2041	= 32,400	11,200
D.H.V.	2041	= 3,305	1,400
D.D.		= 62/38	60/40
T.		= 6.9%	10.4%
DESIGN SPEED		= 75 MPH	40 MPH
ESALS		= N/A	2,800,000

CONVENTIONAL SYMBOLS

PLAN
- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300EB)
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

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

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

ORIGINAL PLANS PREPARED BY
AYRES
WISCONSIN
PHILLIP J. VERVILLE III
E36336
GREEN BAY, WI
PROFESSIONAL ENGINEER
(Date)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	AYRES ASSOCIATES
Designer	AYRES ASSOCIATES
Project Manager	MATTHEW TERNES
Regional Supervisor	DANIEL SEGERSTROM

APPROVED FOR THE DEPARTMENT
DATE: 04/28/2020 [Signature]

E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\010101-TI.DWG
PLOT DATE :
PLOT BY :
PLOT NAME :

2

GENERAL NOTES

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

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK.

FILL, AS SHOWN ON THE PLAN SHEETS, PERTAINS TO EMBANKMENT CONSTRUCTED FROM EXCAVATION COMMON. THE FACTOR USED FOR EXPANDING THE FILLS TO COMPUTE THE VOLUME OF MATERIAL REQUIRED IS 1.25.

A VERTICAL SAW JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MEETS EXISTING HMA PAVEMENT.

ALL TIES ON THIS PLAN ARE HORIZONTAL UNLESS DESCRIBED OTHERWISE.

RADIUS POINTS, UNLESS OTHERWISE NOTED, ARE TO FACE OF CURB.

CURVE DATA IS BASED ON ARC DEFINITION.

BEARINGS SHOWN ON THE PLAN ARE TRUE BEARINGS.

PROPERTY LINES SHOWN ARE APPROXIMATE.

CONCRETE DEPTH ON ALL CURB RAMPS SHALL BE 6-INCH.

REMOVAL OF ANY MESH OR REINFORCEMENT FOUND IN CONCRETE PAVEMENT SHALL BE INCIDENTAL TO THE REMOVING PAVEMENT ITEM.

THE REMOVAL OF ASPHALTIC DRIVEWAYS WILL BE PAID FOR AS EXCAVATION COMMON.

MAINTAIN DRIVING SURFACE TO ALL PROPERTY OWNERS WITH BASE AGGREGATE DENSE 1 1/4-INCH.

THE EXACT LOCATIONS OF PRIVATE ENTRANCES ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER. ALL DRIVEWAYS ARE TO BE REPLACED IN KIND UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE PLANS. BASE AGGREGATE DENSE 1 1/4-INCH WILL BE USED UNDER ALL DRIVEWAYS.

SAW CUT ASPHALTIC AND CONCRETE DRIVEWAYS AND/OR PARKING LOTS AT THE MATCHLINE AS SHOWN ON THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN AND PROVIDE DOCUMENTATION TO THE ENGINEER.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.

TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL WILL NOT BE PERMITTED IN WETLANDS, FLOODWAY OR FLOODPLAIN OF ANY WETLANDS.

PLACE EROSION CONTROL DEVICES IN SEQUENCE WITH CONSTRUCTION OPERATIONS OR AS DETERMINED BY THE ENGINEER. EROSION CONTROL FEATURES ARE SHOWN AT APPROXIMATE LOCATIONS, WITH EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.

NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL BY THE ENGINEER. FINAL LIMITS OF FENCE REMOVAL TO BE DETERMINED BY THE ENGINEER.

STATIONING, DISTANCES, AND OFFSETS FOR SIGNS AND TRAFFIC CONTROL DEVICES SHOWN IN THE PLANS ARE APPROXIMATE. EXACT LOCATIONS ARE DETERMINED BY THE ENGINEER.

RESHAPE AND SEEDING OF ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY OPERATIONS OUTSIDE OF THE ENGINEER DETERMINED CONSTRUCTION LIMITS ARE INCIDENTAL TO THE CONTRACT.

WisDOT WILL FURNISH A BENCHMARK MONUMENT TO BE SET BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER IN THE FIELD.

STANDARD ABBREVIATIONS

ABUT	ABUTMENT
AC	ACRE
AGG	AGGREGATE
AH	AHEAD
ET AL	AND OTHERS
BK	BACK
BLDG	BUILDING
BLK	BLOCK
BR	BRIDGE
CB	CATCH BASIN
C/L	CENTERLINE
Δ	CENTRAL ANGLE OR DELTA
CE	COMMERCIAL ENTRANCE
CONC	CONCRETE
CPCA	CULVERT PIPE CORRUGATED ALUMINUM
CPCS	CULVERT PIPE CORRUGATED STEEL
CTH	COUNTY TRUNK HIGHWAY
CR	CREEK
CP	CULVERT PIPE
C & G	CURB AND GUTTER
D	DEGREE OF CURVE
DNV	DESIGN HOURLY VOLUME
DIA	DIAMETER
DWY	DRIVEWAY
E	EAST
X	EAST COORDINATE
EB	EASTBOUND
EL OR ELEV	ELEVATION
ENT	ENTRANCE
ESALS	EQUIVALENT SINGLE AXLE LOAD
EXIST	EXISTING
F-F	FACE TO FACE
FE	FIELD ENTRANCE
FG	FINISHED GRADE
FT	FOOT
INL	INLET
INV	INVERT
IP	IRON PIPE OR PIN
LT	LEFT
L	LENGTH OF CURVE
LIN. FT OR FT.	LINEAL FOOT
MH	MANHOLE
N/C	NORMAL CROWN
NW OR N/W	NORMAL WATER
N	NORTH
Y	NORTH COORDINATE
NB	NORTHBOUND
PT	POINT
PCC	POINT OF COMPOUND CURVE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVATURE
POC	POINT ON CURVE
POT	POINT OF TANGENT
R/L	REFERENCE LINE
REBAR	REINFORCED BAR
REQ'D.	REQUIRED
R/W	RIGHT OF WAY
R	RADIUS
S	SOUTH
SB	SOUTHBOUND
STH	STATE TRUNK HIGHWAY
STA	STATION
SS	STORM SEWER
SE	SUPERELEVATION
SURF	SURFACE
T	TANGENT
TYP	TYPICAL
WB	WESTBOUND

UTILITY CONTACTS

ATC MANAGEMENT, INC.
ATTN: MIKE OLSEN
801 O'KEEFE ROAD
DE PERE, WI 54311
PHONE: 920-660-2390
EMAIL: molsen@atcllc.com

AT&T WISCONSIN
ATTN: SHEA GORZELANCZYK
FIRST FLOOR ENGINEERING
205 S. JEFFERSON STREET
GREEN BAY, WI 54301
PHONE: 920-433-4250
EMAIL: Sg2528@att.com

NET LEC, LLC
ATTN: RICK VINCENT
450 SECURITY BLVD.
PO BOX 17079
GREEN BAY, WI 54307-9079
PHONE: 920-617-7316
EMAIL: rick.vincent@nsight.com

PITTSFIELD SANITARY DISTRICT#1
ATTN: DAVID TAUSCHER
4682 ANSTON ROAD
GREEN BAY, WI 54303
PHONE: 920-371-3421
EMAIL: davidtauscher@hotmail.com

NEW WATER
ATTN: ROB REINHART
2231 N. QUINCY STREET
GREEN BAY, WI 54302-1248
PHONE: 920-438-1035
EMAIL: rreinhart@newwater.us

WISCONSIN DEPT. OF TRANSPORTATION
ATTN: JOHN MITTLESTADT
433 W. ST. PAUL AVENUE
SUITE 300
MILWAUKEE, WI 53203-3007
PHONE: 608-205-7859
MAIL: John.mittlestadt@dot.wi.gov

WISCONSIN INDEPENDENT NETWORK, LLC
ATTN: JOHN LOUIS
4955 BULLIS FARM ROAD
EAU CLAIRE, WI 54701
PHONE: 715-838-4012
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ONEIDA TRIBE OF INDIANS UTILITY DEPARTMENT-COMMUNICATION
ATTN: JEFF KRUEGER
909 PACKERLAND DRIVE
GREEN BAY, WI 54303
PHONE: 920-496-7383
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ONEIDA TRIBE OF INDIANS UTILITY DEPARTMENT-SEWER
ATTN: STEVE COTRELL
3783 W. MASON STREET
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ONEIDA, WI 54155
PHONE: 920-497-5806

CENTRAL BOWN COUNTY WATER AUTHORITY
ATTN: ROBERT MICHAELSON
1303 S. 8TH ST
MANITOWOC, WI 54221-1090
PHONE: 920-686-4354
EMAIL: rmichaelson@mpu.org

CHARTER COMMUNICATIONS
ATTN: VINCE ALBIN
3520 DESTINATION DR
APPLETON, WI 54915
PHONE: 920-831-9249
EMAIL: vince.albin@charter.com

VILLAGE OF HOWARD WATER AND SEWER DEPARTMENT
ATTN: MIKE KASTER
1336 CORNELL RD
GREEN BAY, WI 54313
PHONE: 920-434-4060
EMAIL: kaster@villageofhoward.com

VILLAGE OF HOBART WATER AND SEWER DEPARTMENT
ATTN: JERRY LANCELLE
2990 SOUTH PINE TREE ROAD
GREEN BAY, WI 54155
PHONE: 920-869-3807
EMAIL: jerry@hobart-wi.org

WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC
ATTN: ROBERT SMITH
700 N. ADAMS STREET
PO BOX 19001
GREEN BAY, WI 54307-9001
PHONE: 920-617-5284
EMAIL: robert.smith@wisconsinpublicservice.com

WISCONSIN PUBLIC SERVICE CORPORATION - GAS
ATTN: JIM EIDEN
2850 S. ASHLAND AVE
GREEN BAY, WI 54304
PHONE: 920-617-5231
EMAIL: james.eiden@wisconsinpublicservise.com

CENTURYLINK COMMUNICATIONS, LLC
ATTN: JASON BUSSE
3235 INTERTECH DRIVE
BROOKFIELD, WI 53045
PHONE: 414-224-6713
EMAIL: jason.busse@centurylink.com

CITY OF GREENBAY-SEWER
ATTN: MATTHEW HECKENLAIBLE
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matthe@greenbaywi.gov

CITY OF GREENBAY-WATER
ATTN: KRISTEN ROMANOWICZ
631 S ADAMS STREET
GREEN BAY, WI 54301
PHONE 920-448-3480
kristinro@greenbaywi.gov

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com
* NON-MEMBER OF DIGGERS HOTLINE

PROJECT CONTACTS

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
NORTHEAST REGION HEADQUARTERS
ATTN: JIM DOPERALSKI JR.
2984 SHAWANO AVENUE
PO BOX 10488
GREEN BAY, WI 54307-0448
PHONE: 920-412-0165
EMAIL: james.doperalski@wisconsin.gov

ONEIDA NATION ENVIRONMENTAL
ATTN: JIM SNITGEN, WATER RESOURCES SUPERVISOR
PO BOX 10488
N7332 WATER CIRCLE PLACE
ONEIDA, WI 54155
PHONE: 920-869-4589
EMAIL: jsnitgen@oneidanation.org

WIS. DEPT OF TRANSPORTATION
NORTHEAST REGION - PRIMARY CONTACT
ATTN: MATTHEW TERNES-PROJECT MANAGER
944 VANDERPERRON WAY
PO BOX 28080
GREEN BAY, WI 54324-0080
PHONE:920-366-3028
EMAIL:matthew.ternes@dot.wi.gov

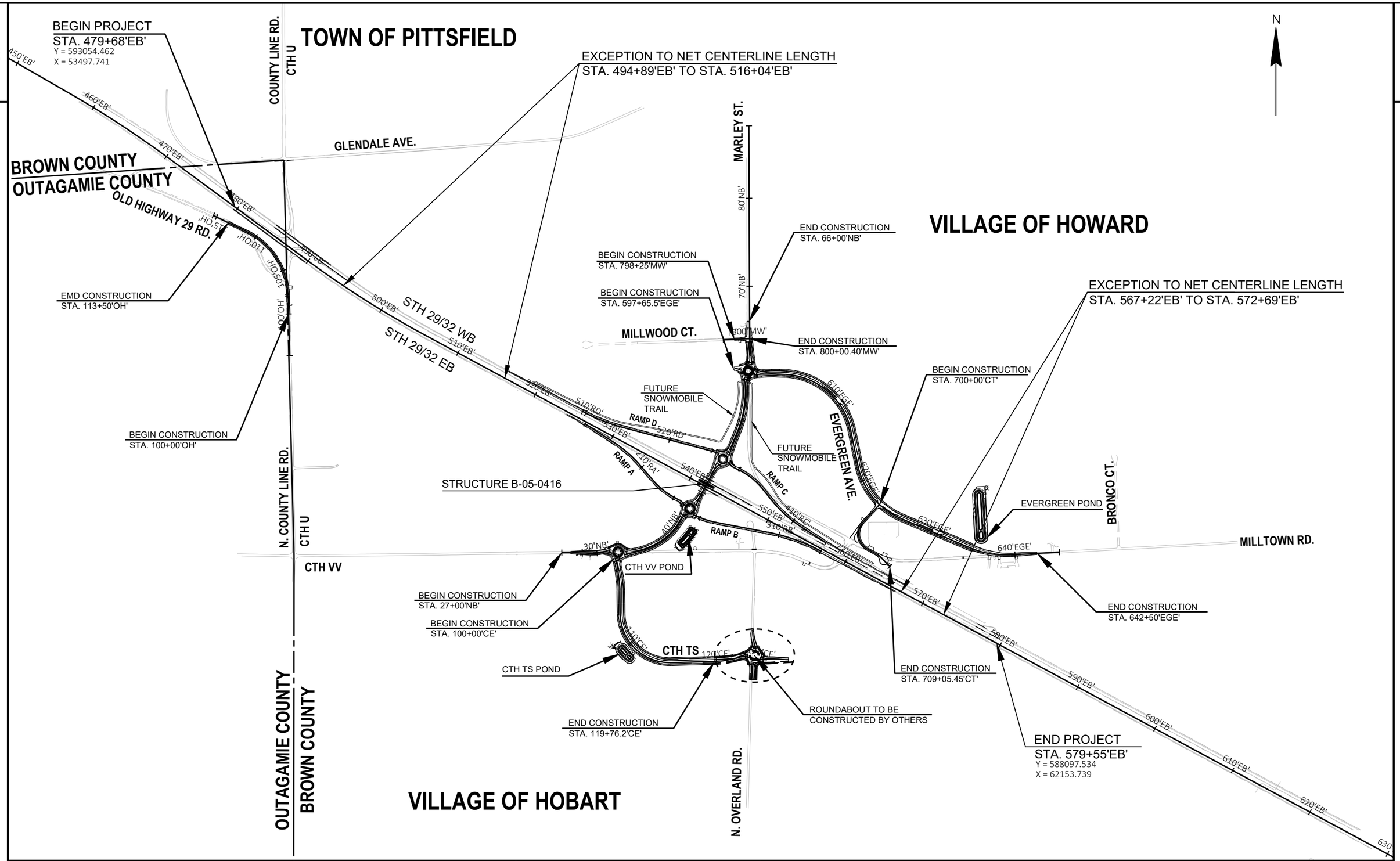
AYRES ASSOCIATES
ATTN: PHIL VERVILLE III
3376 PACKERLAND DRIVE
ASHWAUBENON, WI 54115
PHONE: 920-327-7822
EMAIL: Vervillep@ayresassociates.com

BROWN COUNTY SURVEYOR
ATTN: RYAN L. DUCKART, PLS
PO BOX 23600
GREEN BAY, WI 54305-3600
920-448-4493
Ryan.Duckart@browncountywi.gov

ORDER OF SECTION 2 SHEETS

GENERAL NOTES & CONTACTS
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
PLAN GRADES
PLAN OFFSETS
CURB RAMP DETAILS
CONTOUR MAPS
CROSS SECTION MATCHLINES
EROSION CONTROL
STORM SEWER
BROADBAND FIBER
PLANTING
PERMANENT SIGNING
LIGHTING
PAVEMENT MARKING
TRAFFIC CONTROL
STAGE CONSTRUCTION
DETOURS
ALIGNMENT DIAGRAM
PHRAGMITES

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\020101-GN.DWG
LAYOUT NAME - 020101-gn
PLOT DATE : 6/29/2020 5:42 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42



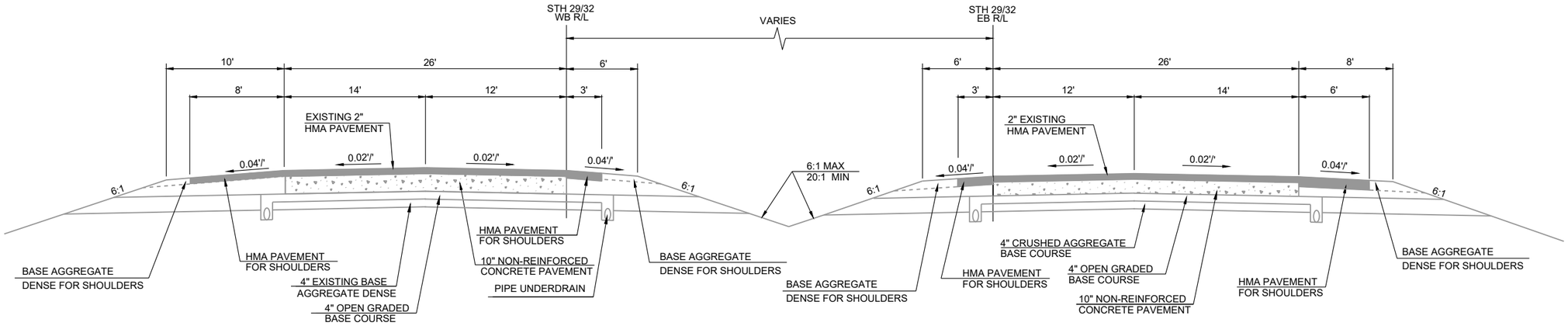
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN OVERVIEW	SHEET 3	E

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LAYOUT NAME - 020201 po

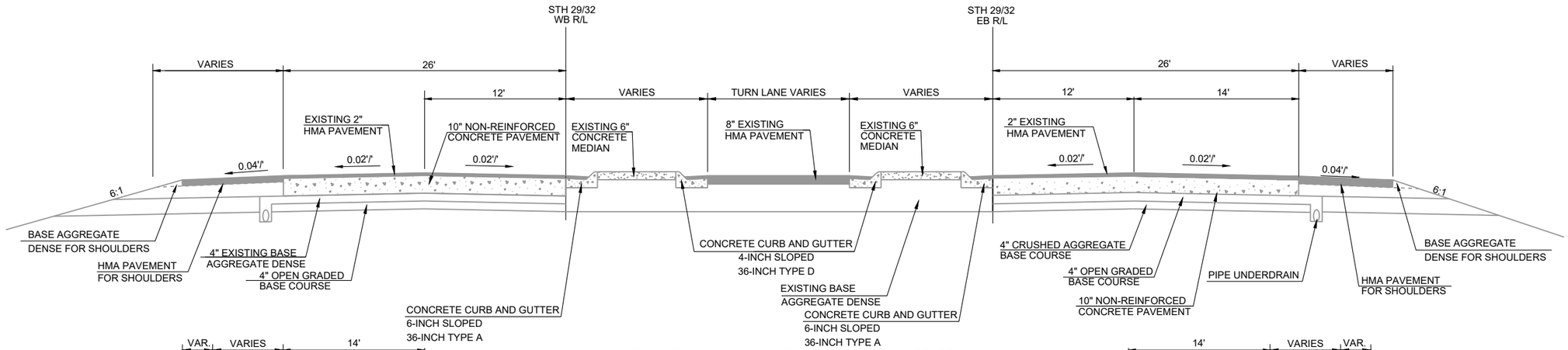
PLOT DATE : 4/26/2020 12:14 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:1000 FT

2



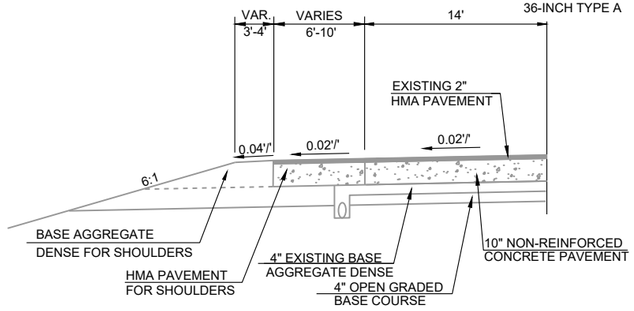
EXISTING TYPICAL SECTION FOR STH 29/32

STA. 479+68'EB' - STA. 485+50'EB'
STA. 489+00'EB' - STA. 494+89'EB'



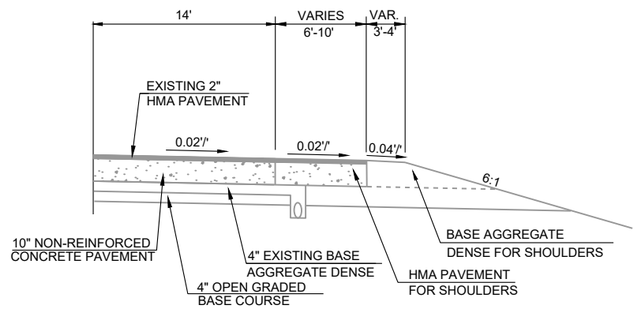
EXISTING TYPICAL SECTION FOR STH 29/32

STA. 485+50'EB' - STA. 489+00'EB'



EXISTING TYPICAL SECTION FOR STH 29/32

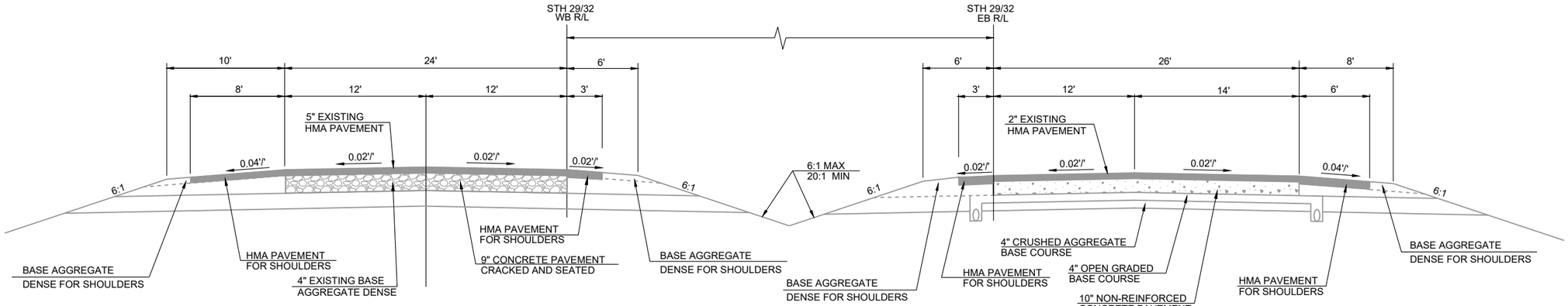
STA. 484+73'WB' - STA. 492+37'WB' LEFT



EXISTING TYPICAL SECTION FOR STH 29/32

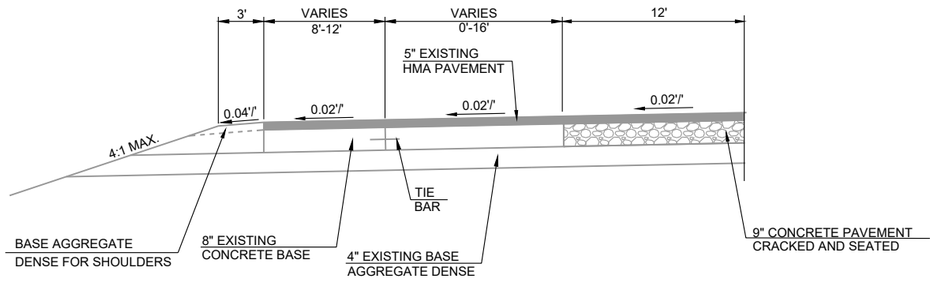
STA. 482+16'EB' - STA. 489+74'EB' RIGHT

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 4	E



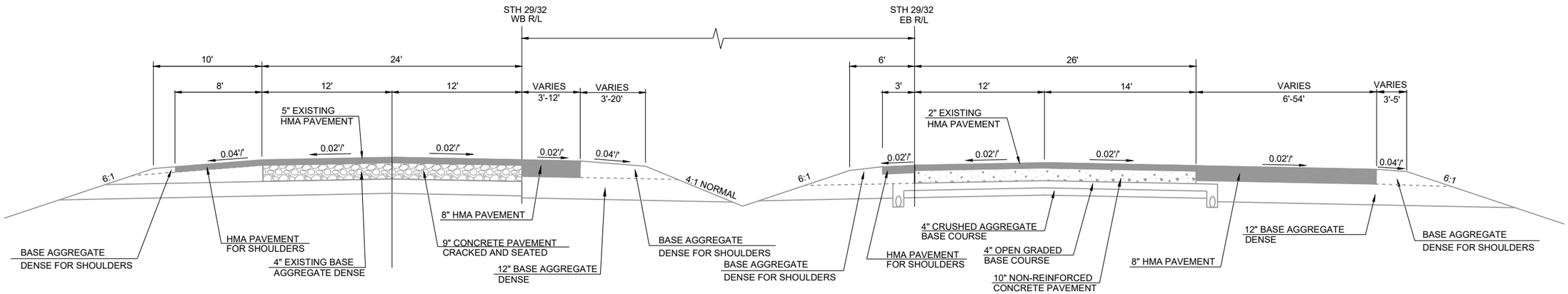
EXISTING TYPICAL SECTION FOR STH 29/32

STA. 516+04'EB' - STA. 557+14'EB'
STA. 560+15'EB' - STA. 567+22'EB'
STA. 572+69'EB' - STA. 579+55'EB'



EXISTING TYPICAL SECTION FOR TURN LANE AT MILLTOWN RD.

STA. 560+40'WB' - STA. 567+22.3'WB' LEFT

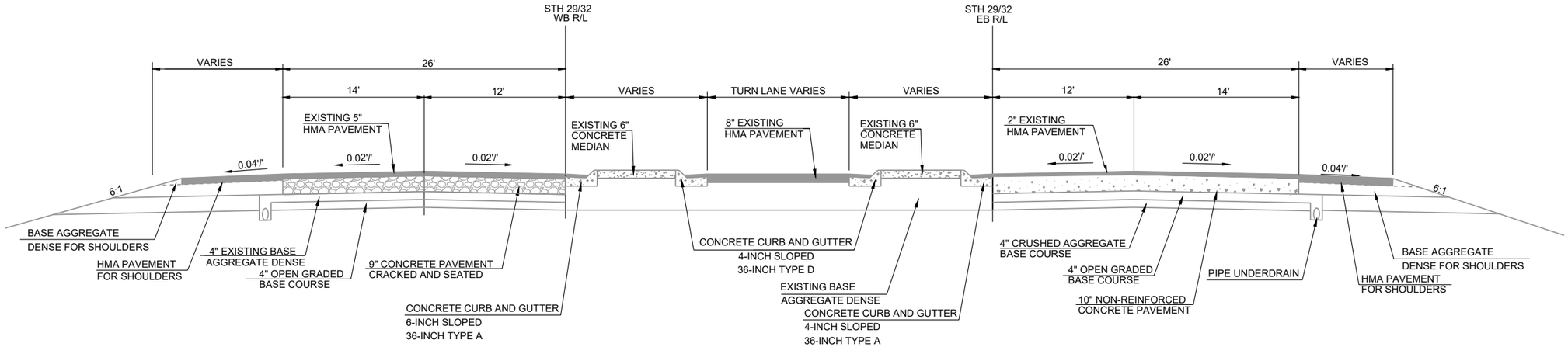


EXISTING TYPICAL SECTION FOR STH 29/32

STA. 540+75'WB' - STA. 547+64.9'WB' MEDIAN
STA. 541+25'EB' - STA. 543+50'EB' RIGHT

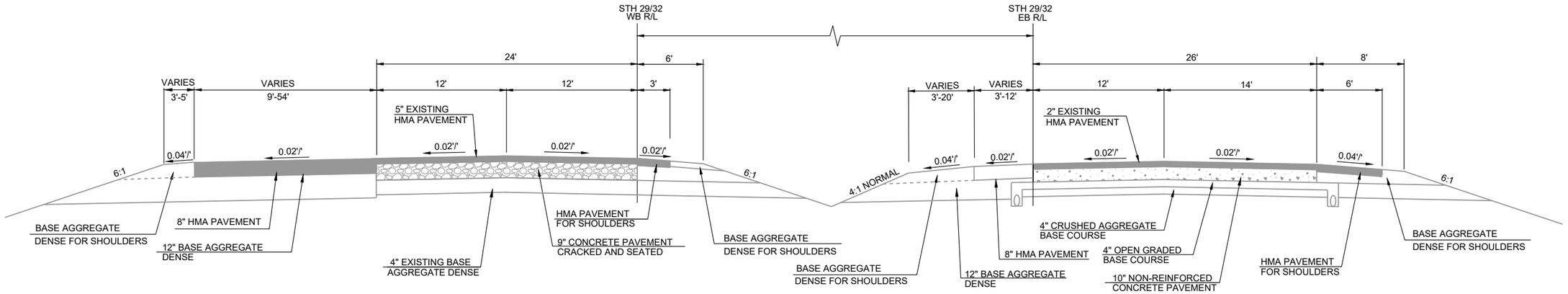
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 5	E

2



EXISTING TYPICAL SECTION FOR STH 29/32

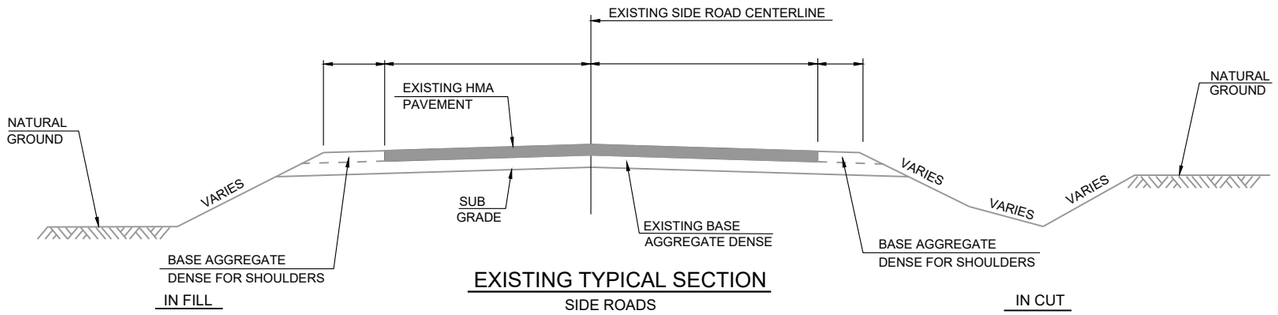
STA. 557+14'EB' - STA. 560+15'EB'



EXISTING TYPICAL SECTION FOR STH 29/32

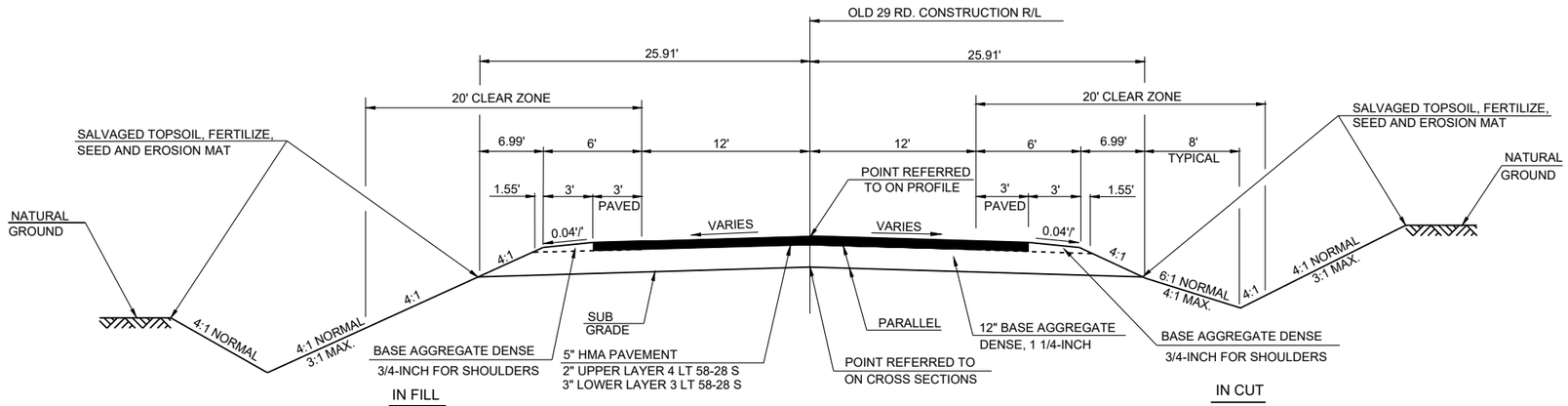
STA. 572+68.7'WB' - STA. 579+55'WB' MEDIAN
STA. 576+75'WB' - STA. 579+00'WB' LEFT

2



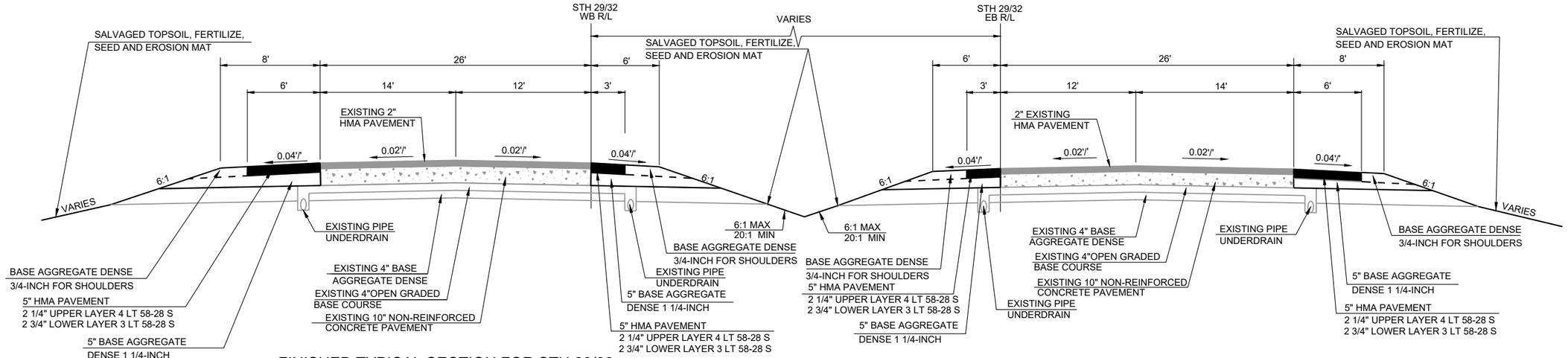
EXISTING TYPICAL SECTION
SIDE ROADS

ROADWAY NAME	LOCATION	MATERIAL TYPE	BASE AGGREGATE DEPTH	ASPHALT DEPTH	CONCRETE DEPTH	ROADWAY WIDTH	PAVED SHOULDER WIDTH	BASE AGGREGATE SHOULDER WIDTH	
								LEFT	RIGHT
CTH U	S. OF STH 29	ASPHALT	5"-24"	7"-13"	----	24'	3'	2'-4'	2'-4'
CTH U	N. OF STH 29	ASPHALT	28"-32"	5"-8"	----	24'	----	7'-8'	3'-4'
OLD STH 29 ROAD		ASPHALT OVER CONCRETE	11"-15"	2"	9"	24'	----	8'-10'	8'-10'
CTH VV		ASPHALT	3"-9"	9"-13"	----	24'	----	2'-3'	2'-3'
MARLEY ST.		ASPHALT	8"-17"	11"-15"	----	22'	----	2'-4'	2'-4'
MILLWOOD CT.		ASPHALT	-----	----	----	22'	----	3'-4'	3'-4'
MILLTOWN RD.		ASPHALT	8"-27"	7"-12"	----	22'-24'	----	2'-4'	2'-4'



TYPICAL FINISHED SECTION FOR OLD 29 ROAD

2

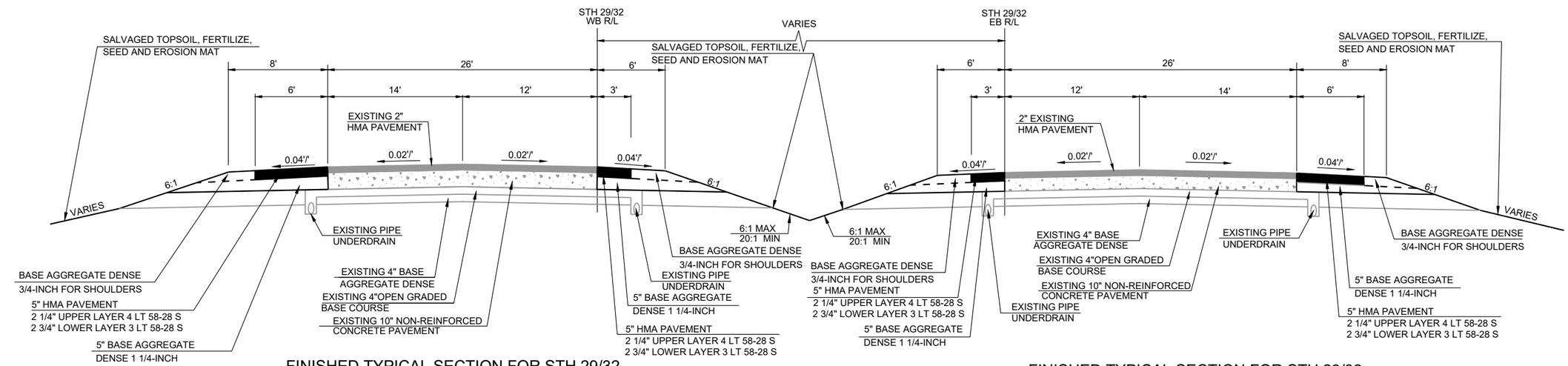


FINISHED TYPICAL SECTION FOR STH 29/32

STA. 484+67'WB' - STA. 492+35'WB' LEFT
STA. 484+67'WB' - STA. 494+86'WB' MEDIAN

FINISHED TYPICAL SECTION FOR STH 29/32

STA. 479+68.0'EB' - STA. 489+13.7'EB' RIGHT AND MEDIAN

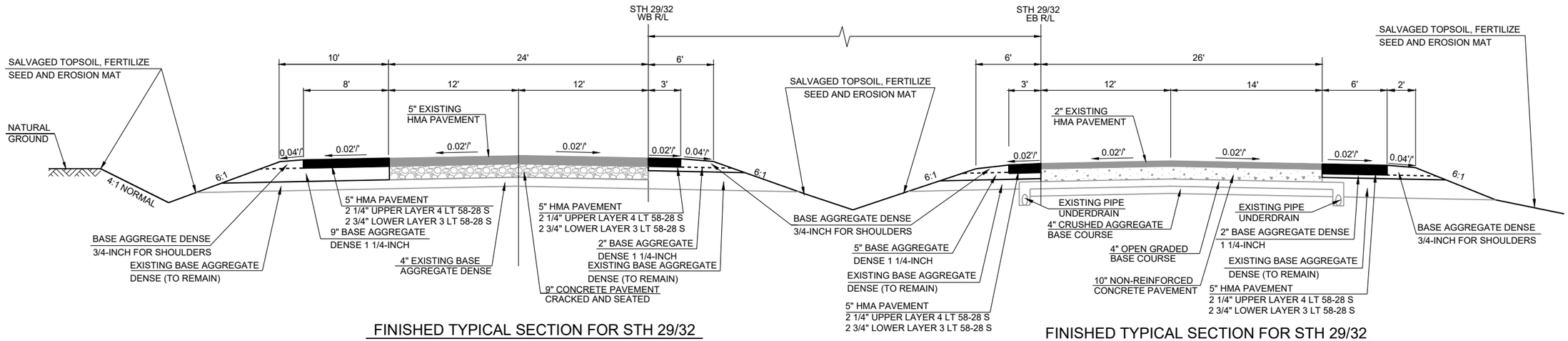


FINISHED TYPICAL SECTION FOR STH 29/32

STA. 484+67'WB' - STA. 492+35'WB' LEFT
STA. 484+67'WB' - STA. 494+86'WB' MEDIAN

FINISHED TYPICAL SECTION FOR STH 29/32

STA. 479+68.0'EB' - STA. 489+13.7'EB' RIGHT AND MEDIAN

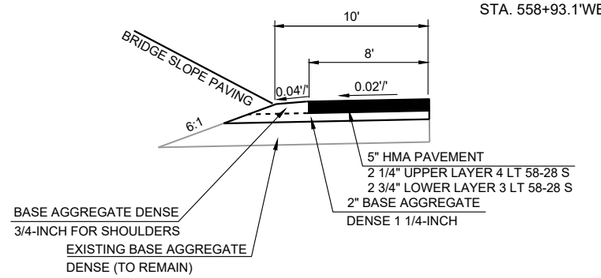


FINISHED TYPICAL SECTION FOR STH 29/32

STA. 540+75.0'WB' - STA. 547+67.9'WB' MEDIAN
STA. 555+99.2'WB' - STA. 566+11.3"WB' MEDIAN
STA. 558+93.1'WB' - STA. 567+22.3'WB' LEFT

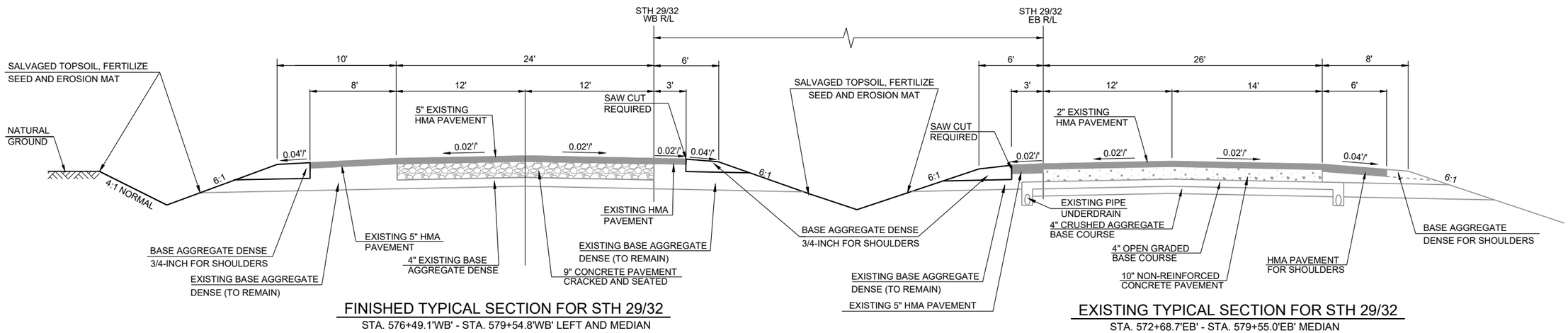
FINISHED TYPICAL SECTION FOR STH 29/32

STA. 540+75'EB' - STA. 544+05.3'EB' MEDIAN
STA. 541+20'EB' - STA. 543+75'EB' RIGHT
STA. 552+29.6'EB' - STA. 563+04.1'EB' MEDIAN
STA. 541+20'EB' - STA. 543+75'EB' RIGHT



FINISHED TYPICAL SECTION FOR STH 29/32

STA. 541+33.7'WB' - STA. 542+50.0'WB' LEFT



FINISHED TYPICAL SECTION FOR STH 29/32

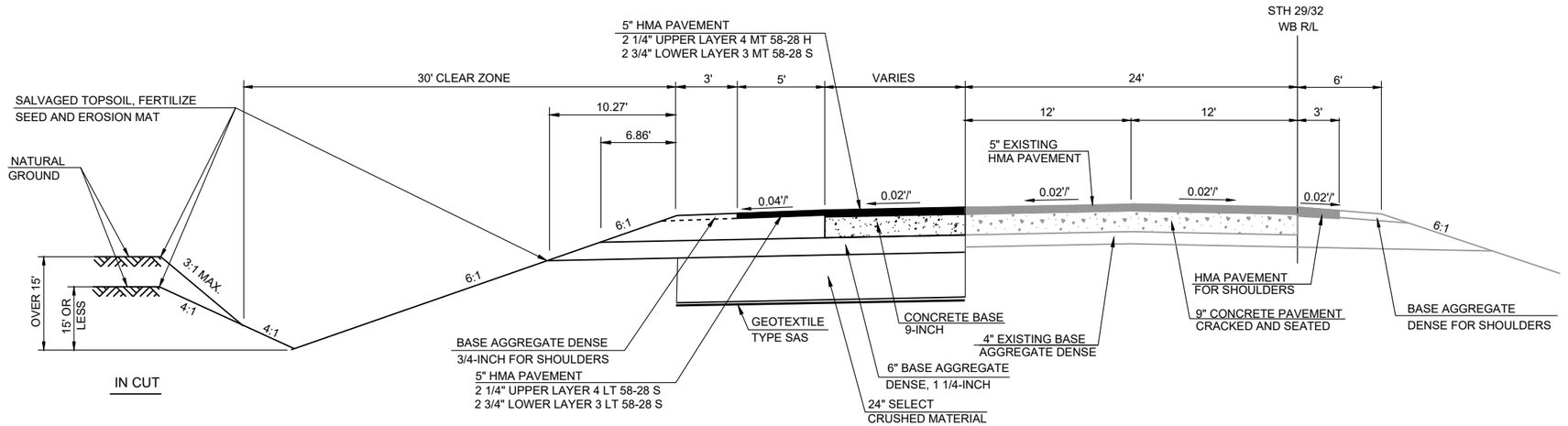
STA. 576+49.1'WB' - STA. 579+54.8'WB' LEFT AND MEDIAN

EXISTING TYPICAL SECTION FOR STH 29/32

STA. 572+68.7'EB' - STA. 579+55.0'EB' MEDIAN

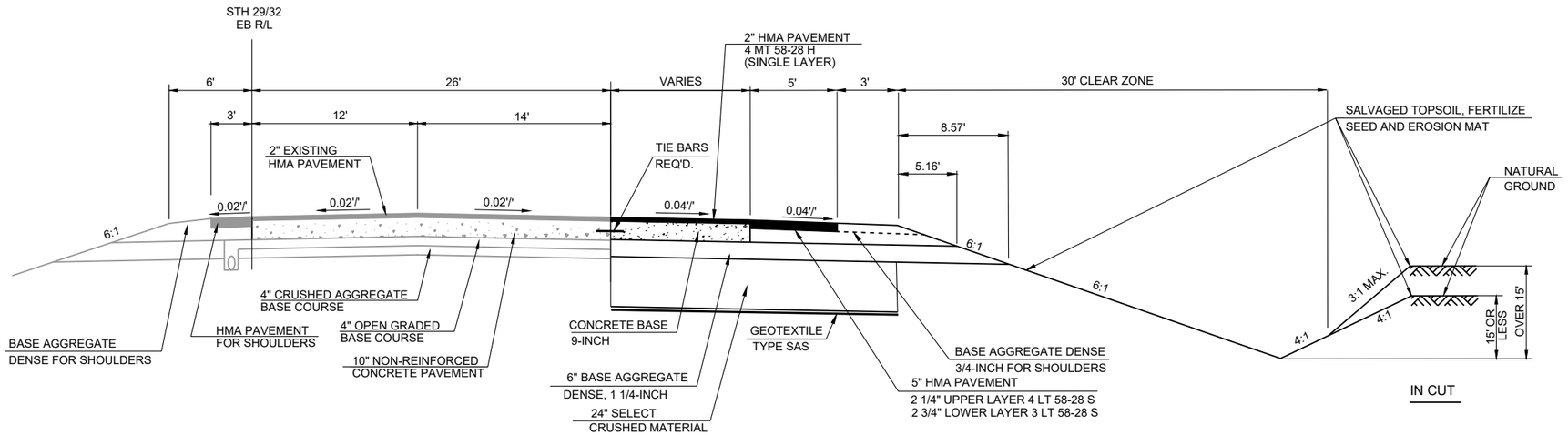
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 9	E

2



TYPICAL FINISHED SECTION FOR STH 29/32
ENTRANCE AND EXIT RAMPS

STA. 516+03.92'WB' - STA. 528+63.73'WB'
STA. 554+16.13'WB' - STA. 567+22.28'WB'

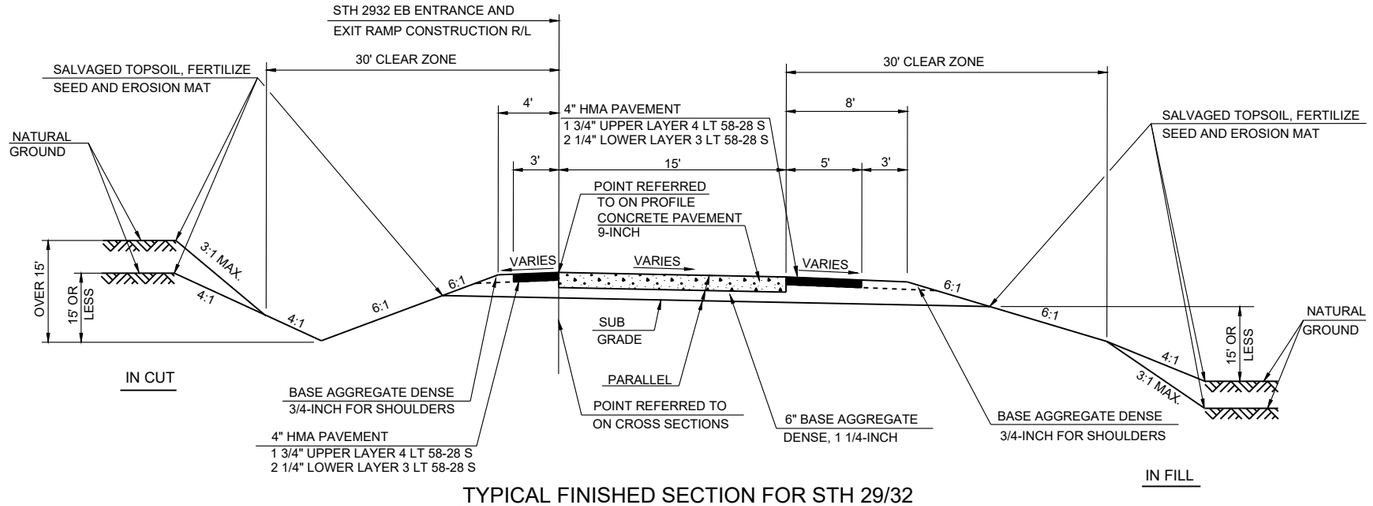


TYPICAL FINISHED SECTION FOR STH 29/32
ENTRANCE AND EXIT RAMPS

STA. 524+19.18'EB' - STA. 529+45.89'EB'
STA. 554+09.60'EB' - STA. 566+61.18'EB'

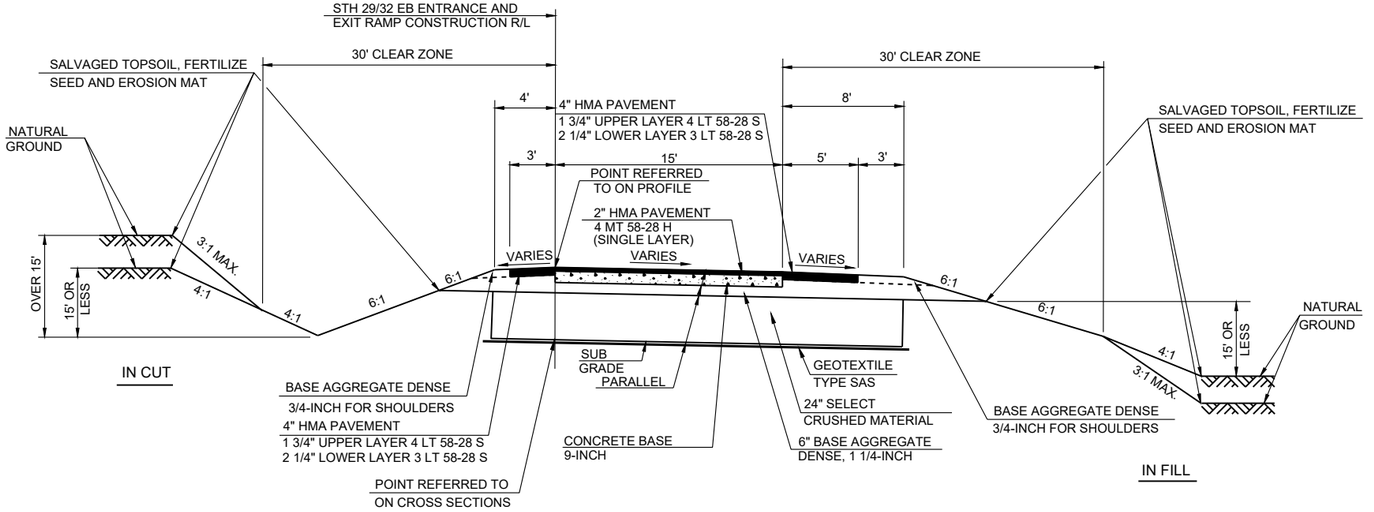
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 10	E

2



TYPICAL FINISHED SECTION FOR STH 29/32 ENTRANCE AND EXIT RAMPS

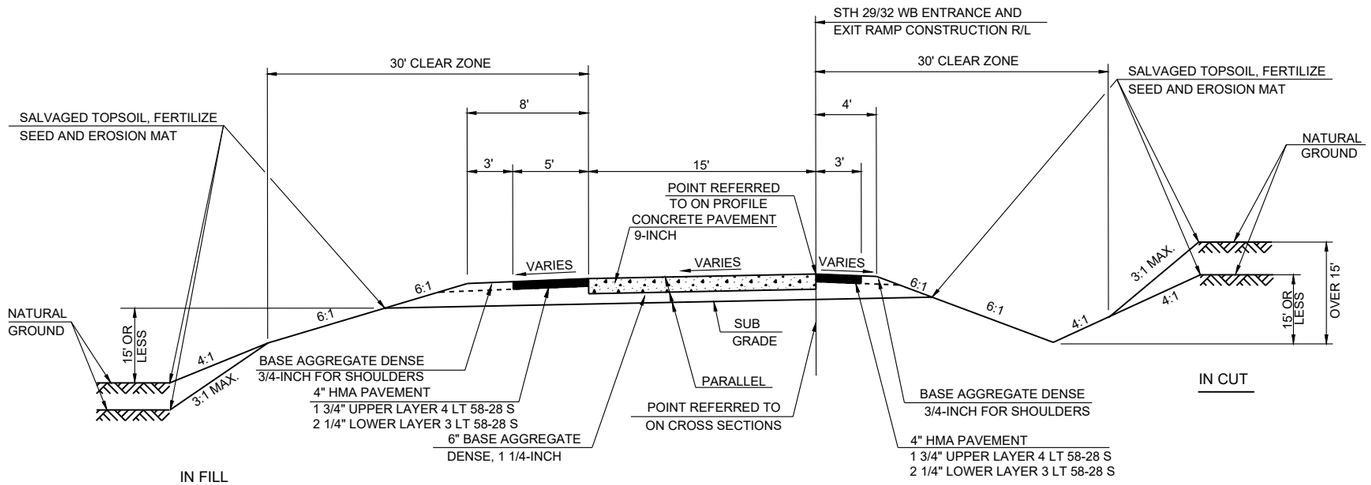
STA 206+50 'RA' - STA 215+19.10 'RA'
STA 300+64.94 'RB' - STA 310+00 'RB'



TYPICAL FINISHED SECTION FOR STH 29/32 ENTRANCE AND EXIT RAMPS

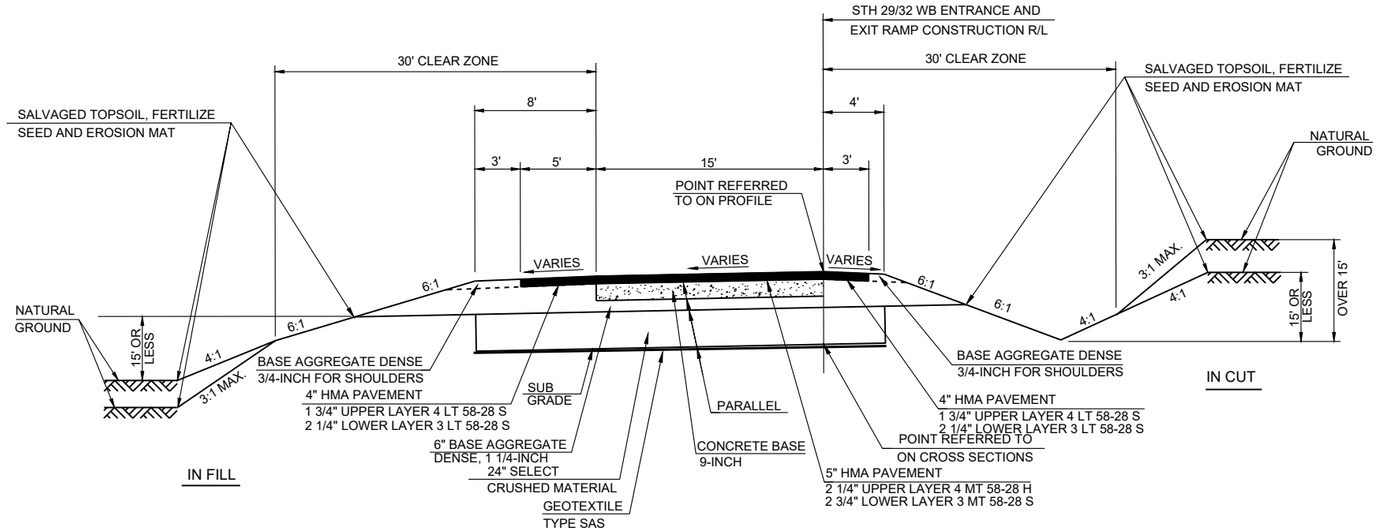
STA 204+76.60'RA' - STA 206+50'RA'
STA 310+00'RB' - STA 312+24.52'RB'

2



TYPICAL FINISHED SECTION FOR STH 29/32 ENTRANCE AND EXIT RAMPS

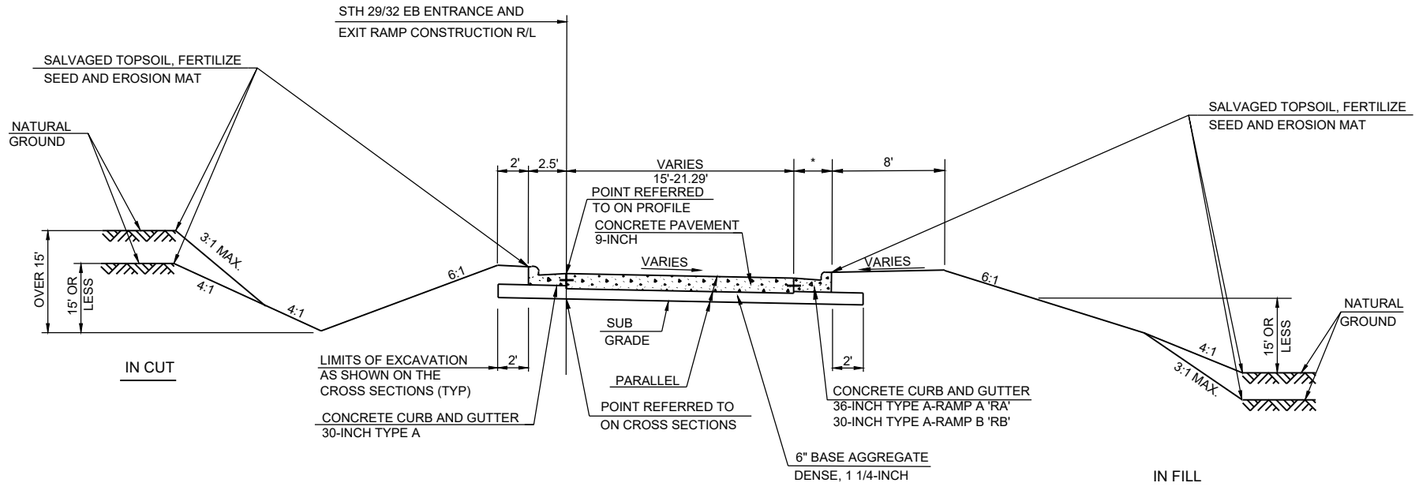
STA 401+35.82 'RC' - STA 409+00 'RC'
STA 514+50 'RD' - STA 525+12.37 'RD'



TYPICAL FINISHED SECTION FOR STH 29/32 ENTRANCE AND EXIT RAMPS

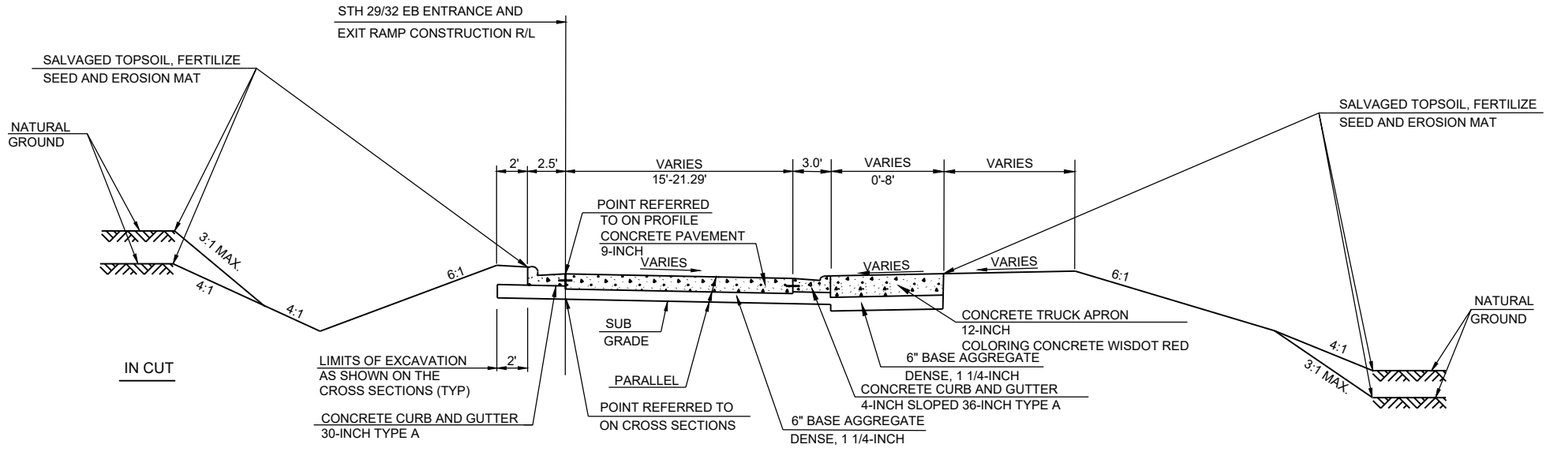
STA 409+00'RC' - STA 411+58.49'RC'
STA 512+58.98'RD' - STA 514+50'RD'

2



TYPICAL FINISHED SECTION FOR STH 29/32 ENTRANCE AND EXIT RAMPS

STA. 215+19.10'RA' - STA. 215+61.69'RA'
STA. 300+00.00'RB' - STA. 300+64.94'RB'



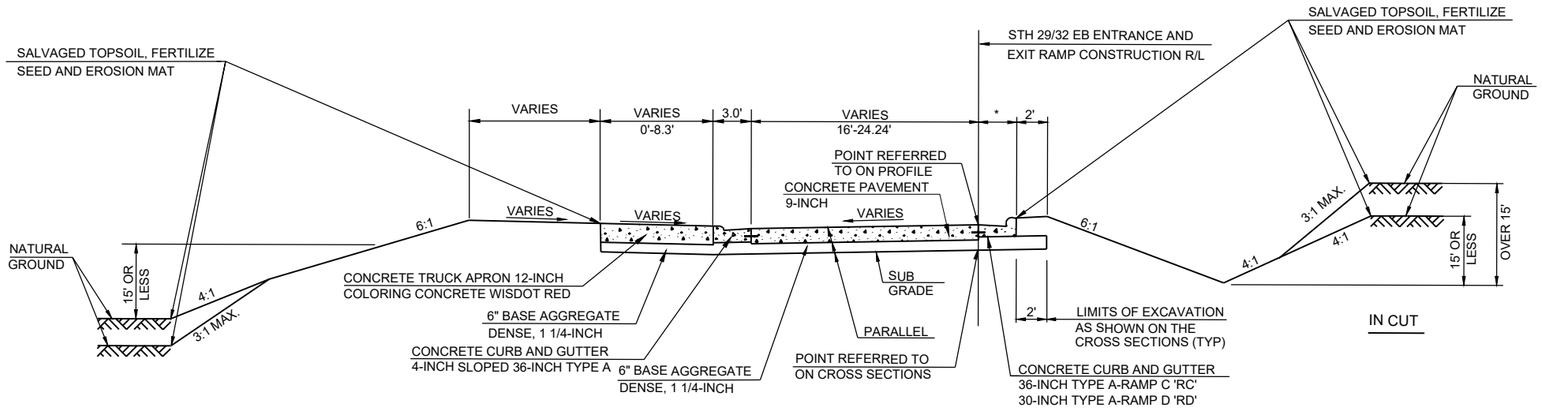
TYPICAL FINISHED SECTION FOR STH 29/32 ENTRANCE AND EXIT RAMPS

STA. 215+61.69'RA' - STA. 216+54.92'RA'

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 13	E

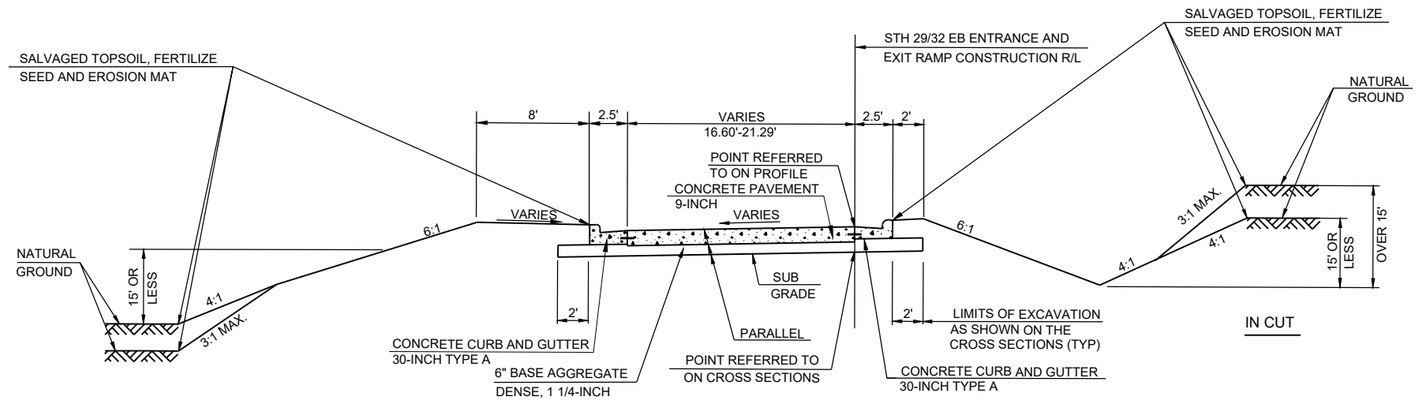
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020310 ts
PLOT DATE : 6/29/2020 2:01 PM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:200 FT

2



TYPICAL FINISHED SECTION FOR STH 29/32 ENTRANCE AND EXIT RAMPS

STA. 400+00.00'RC'-STA. 400+93.6'RC'
STA. 525+49.93'RD'-STA. 525+81.88'RD'

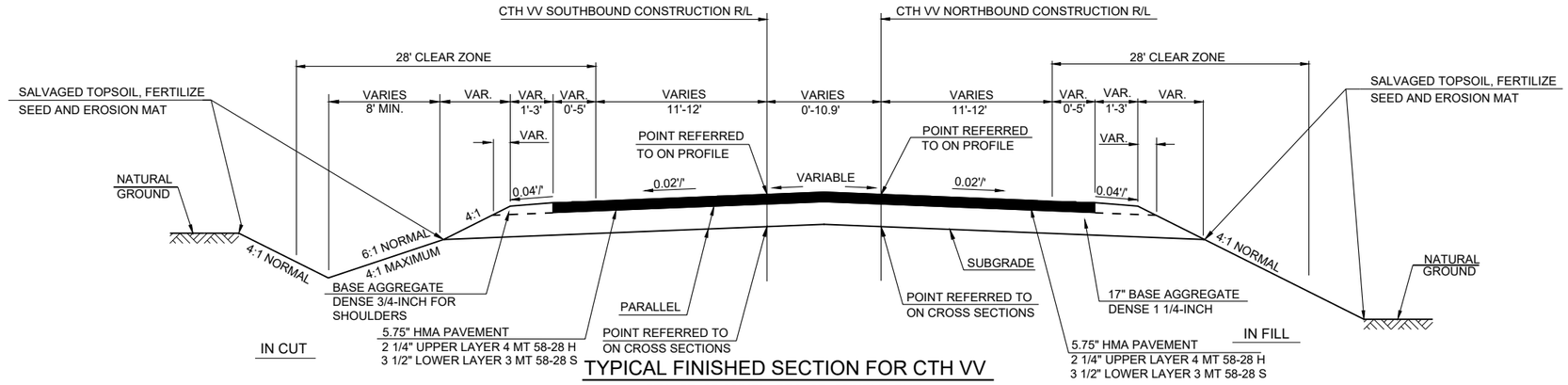


TYPICAL FINISHED SECTION FOR STH 29/32 ENTRANCE AND EXIT RAMPS

STA. 400+93.65'RC' - STA. 401+35.83'RC'
STA. 525+12.37'RD' - STA. 525+49.93'RD'

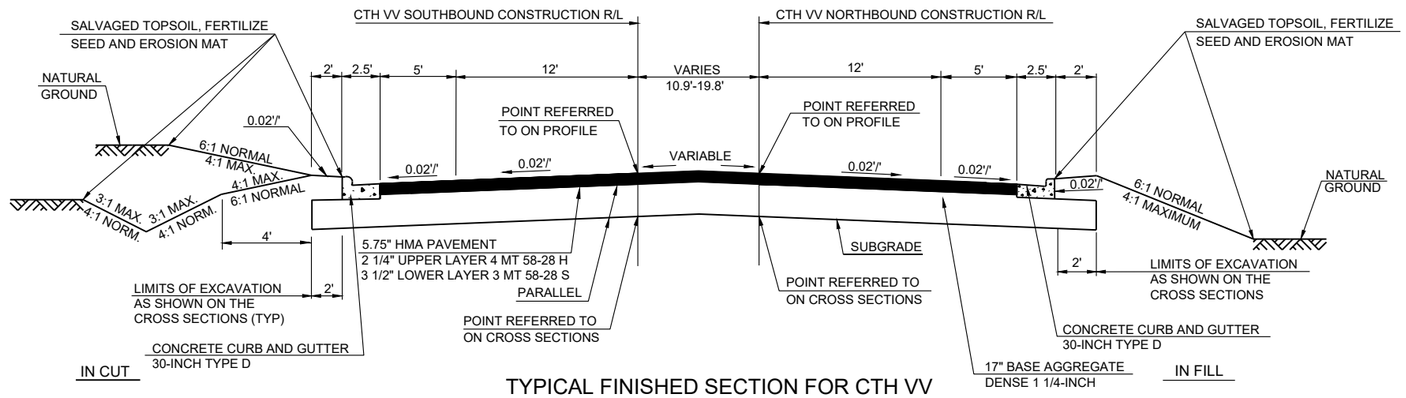
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 14	E

2



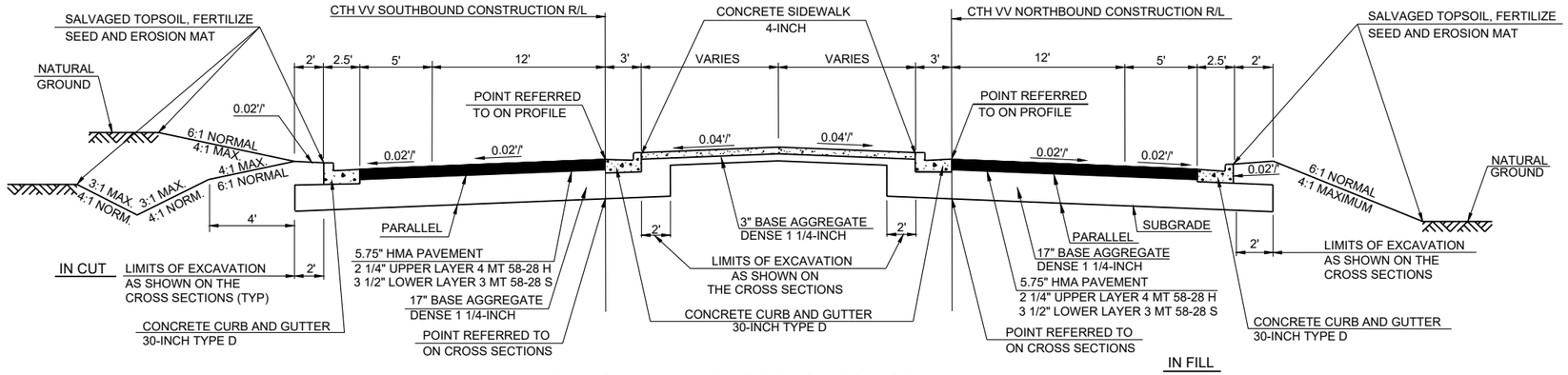
TYPICAL FINISHED SECTION FOR CTH VV

STA. 27+00.00'NB' - STA. 27+90'NB' RIGHT
STA. 27+00.00'NB' - STA. 28+50'NB' LEFT



TYPICAL FINISHED SECTION FOR CTH VV

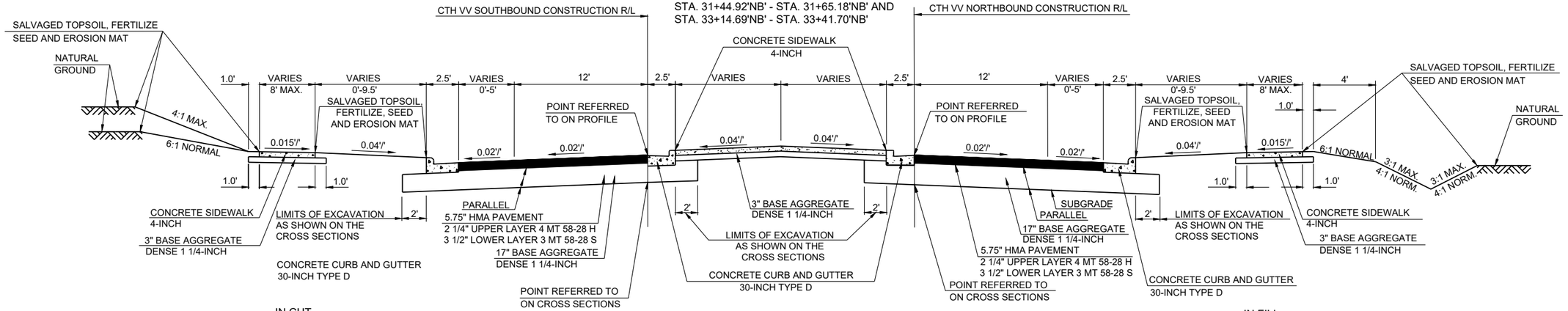
STA. 27+90'NB' - STA. 29+58.18'NB' RIGHT
STA. 28+50'NB' - STA. 29+58.18'NB' LEFT



TYPICAL FINISHED SECTION FOR CTH VV

STA. 29+58.18'NB' - STA. 30+59.06'NB' RIGHT
STA. 29+58.18'NB' - STA. 30+74.56'NB' LEFT

NOTE:
COLORED AND STAMPED
CONCRETE 4-INCH IN MEDIAN
STA. 31+44.92'NB' - STA. 31+65.18'NB' AND
STA. 33+14.69'NB' - STA. 33+41.70'NB'



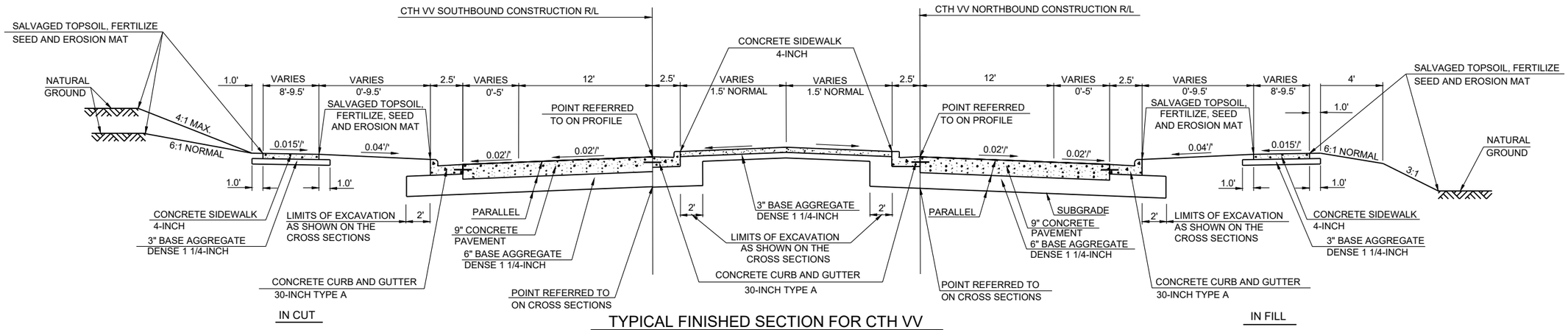
TYPICAL FINISHED SECTION FOR CTH VV

STA. 30+59.06'NB' - STA. 31+65.18'NB' RIGHT
STA. 30+74.56'NB' - STA. 31+65.18'NB' LEFT
STA. 33+14.69'NB' - STA. 41+28.97'NB' RIGHT
STA. 33+14.69'NB' - STA. 41+33.95'NB' LEFT

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 16	E

2

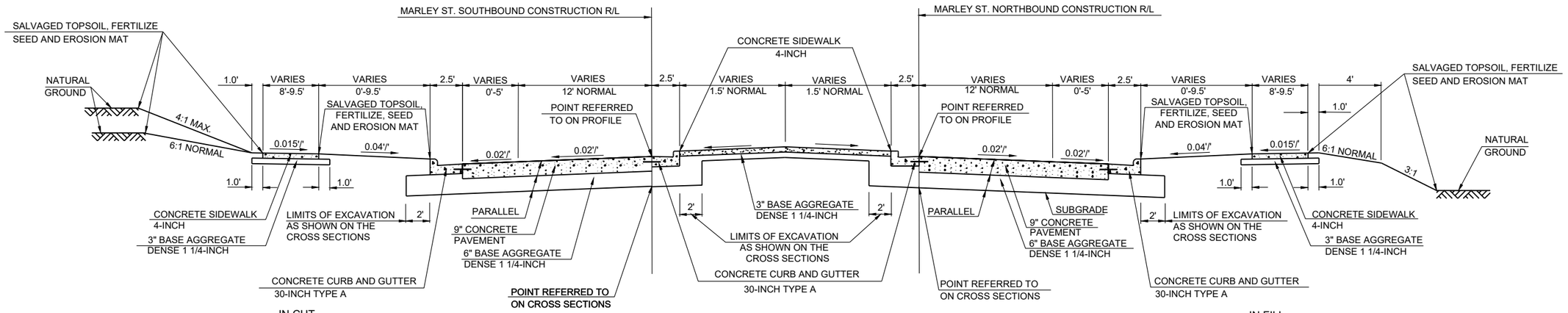
NOTE:
COLORED AND STAMPED
CONCRETE 4-INCH IN MEDIAN
STA. 41+67.97'NB' - STA. 45+83.75'NB'



TYPICAL FINISHED SECTION FOR CTH VV

STA. 41+28.97'NB' - STA. 41+88.26'NB' RIGHT
STA. 41+33.95'NB' - STA. 41+88.26'NB' LEFT
STA. 43+37.21'NB' - STA. 45+83.75'NB' LEFT AND RIGHT

NOTE:
COLORED AND STAMPED
CONCRETE 4-INCH IN MEDIAN
STA. 47+44.25'NB' - STA. 48+79.89'NB' AND
STA. 50+28.69'NB' - STA. 50+57.55'NB'



TYPICAL FINISHED SECTION FOR MARLEY ST.

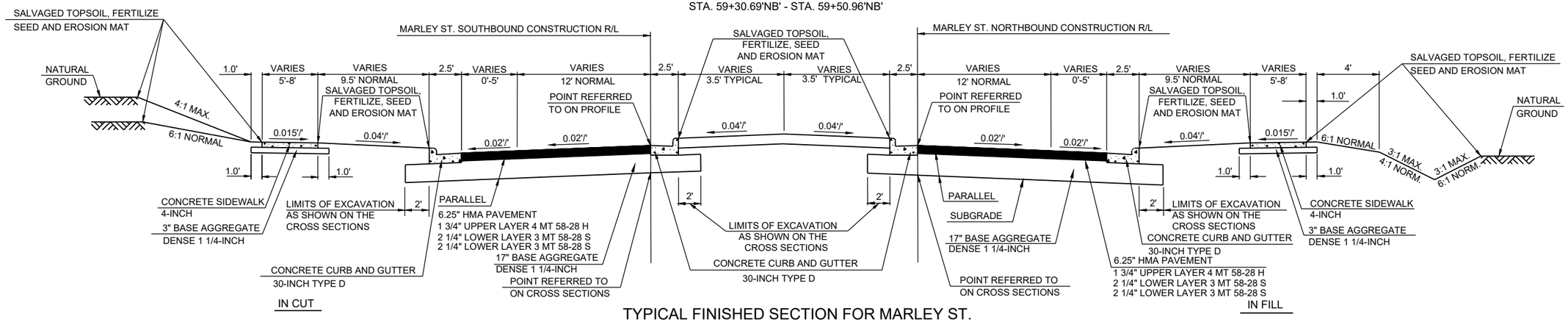
STA. 47+44.25'NB' - STA. 48+78.89'NB' LEFT AND RIGHT
STA. 50+28.69'NB' - STA. 50+85.66'NB' RIGHT
STA. 50+28.69'NB' - STA. 51+09.55'NB' LEFT

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 17	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020314 ts
PLOT DATE : 4/30/2020 7:26 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

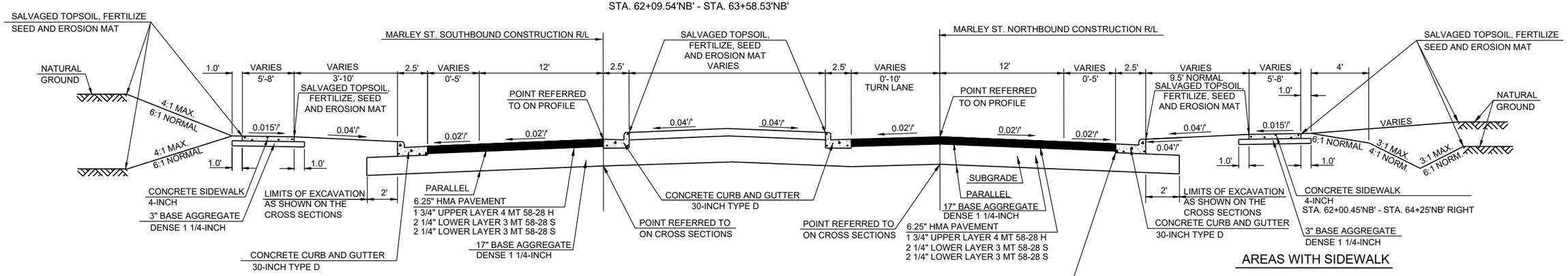
NOTE:
COLORED AND STAMPED
CONCRETE 4-INCH IN MEDIAN
STA. 59+30.69'NB' - STA. 59+50.96'NB'



TYPICAL FINISHED SECTION FOR MARLEY ST.

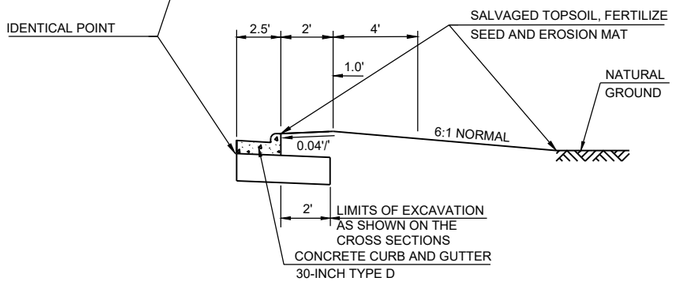
STA. 50+85.66'NB' - STA. 59+50.96'NB' RIGHT
STA. 51+09.55'NB' - STA. 59+50.96'NB' LEFT
STA. 61+01.51'NB' - STA. 61+85.93'NB'

NOTE:
COLORED AND STAMPED
CONCRETE 4-INCH IN MEDIAN
STA. 62+09.54'NB' - STA. 63+58.53'NB'



TYPICAL FINISHED SECTION FOR MARLEY ST.

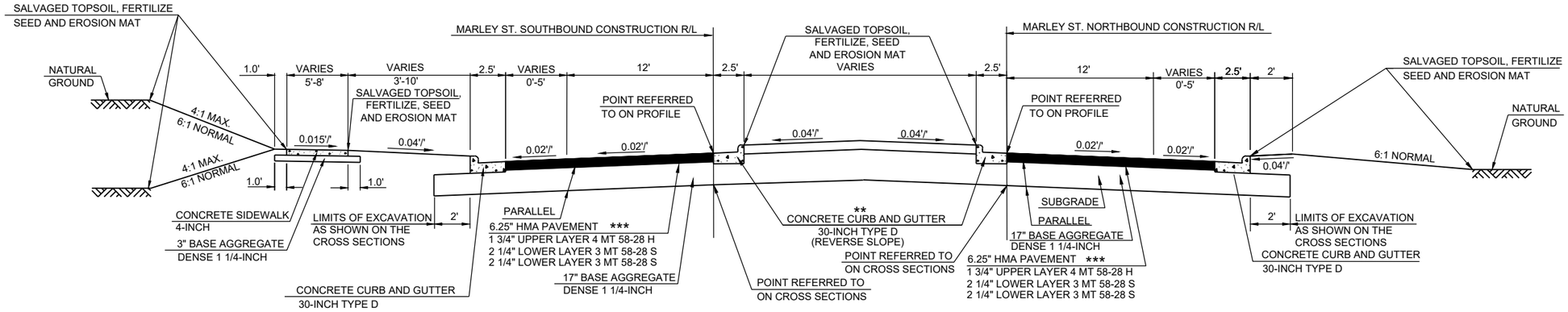
STA. 61+85.93'NB' - STA. 64+32.12'NB'



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 18	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020315 ts
PLOT DATE : 6/29/2020 10:06 AM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2

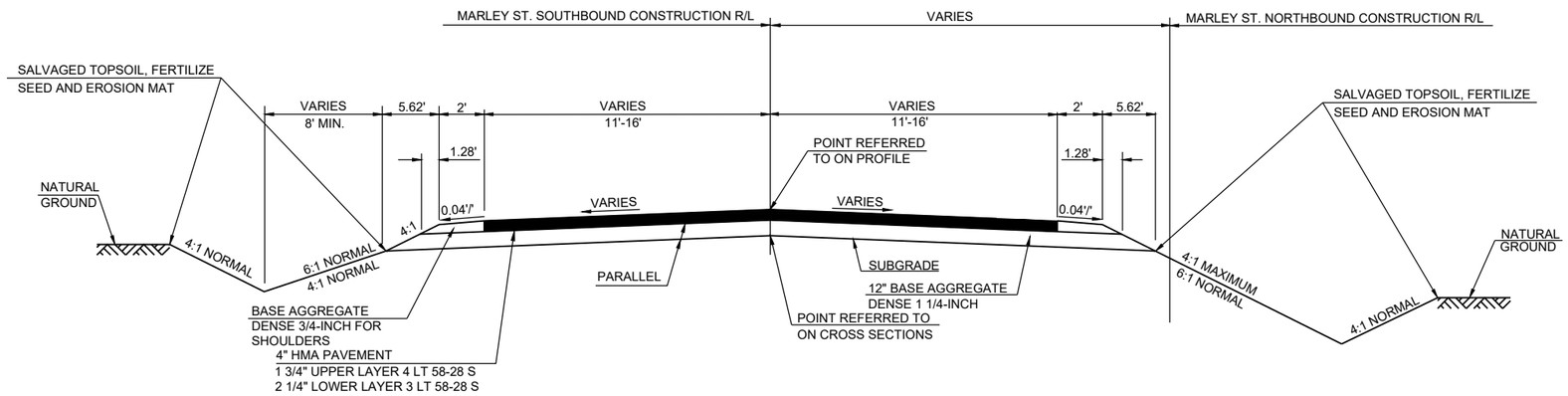


TYPICAL FINISHED SECTION FOR MARLEY ST.

STA. 64+32.12'NB' - STA. 65+25'NB'

** CURB NOT INSTALLED UNTIL 2022

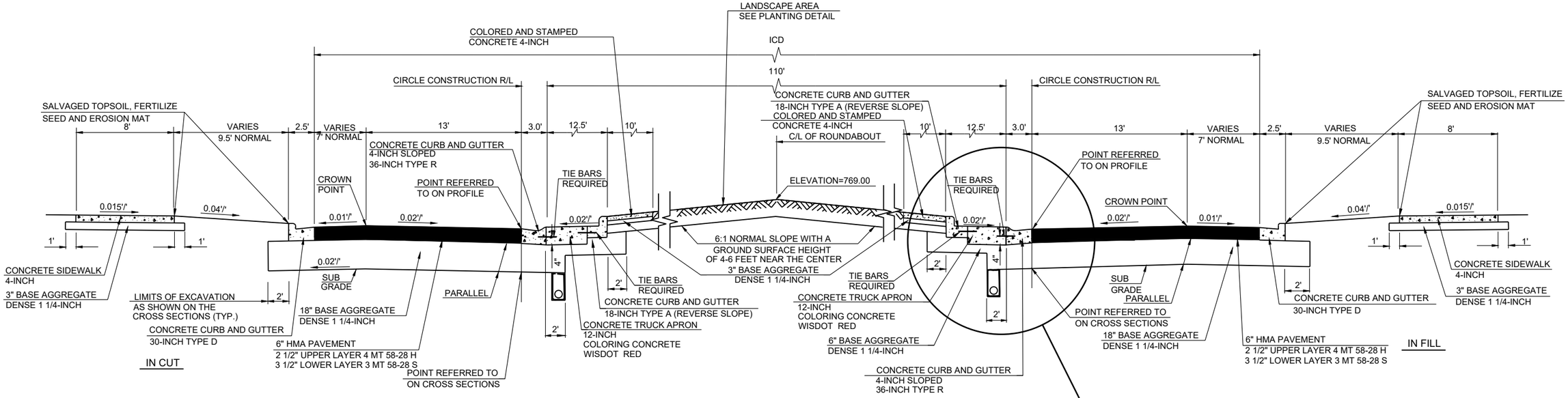
*** UPPER LAYER NOT INSTALLED UNTIL 2022



TYPICAL FINISHED SECTION FOR MARLEY ST. TEMPORARY CONNECTION

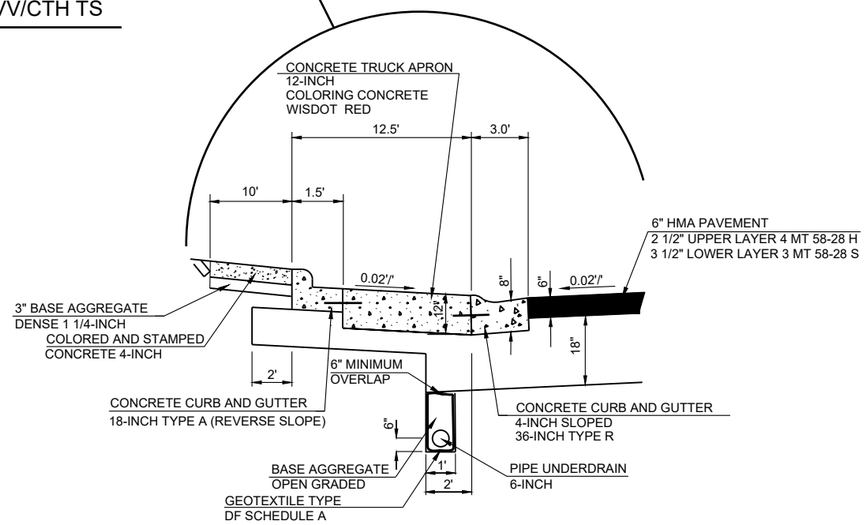
STA. 65+25'NB' - STA. 66+00'NB'

2



TYPICAL FINISHED SECTION FOR CTH VV/CTH TS

ROUNDABOUT DETAIL



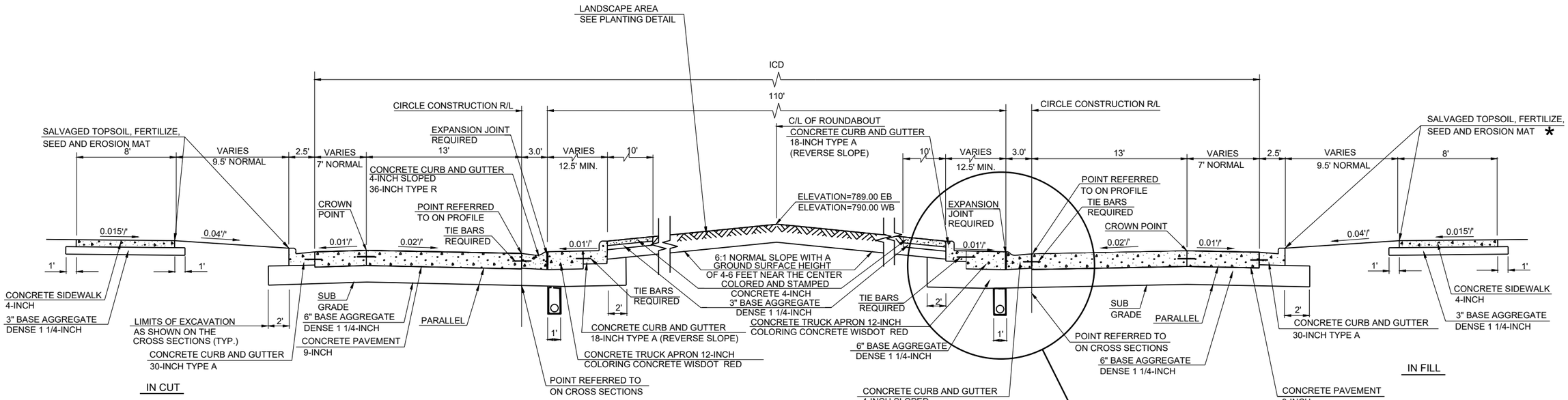
TRUCK APRON (TYPICAL)

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 20	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020317 ts

PLOT DATE : 4/30/2020 7:26 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:200 FT

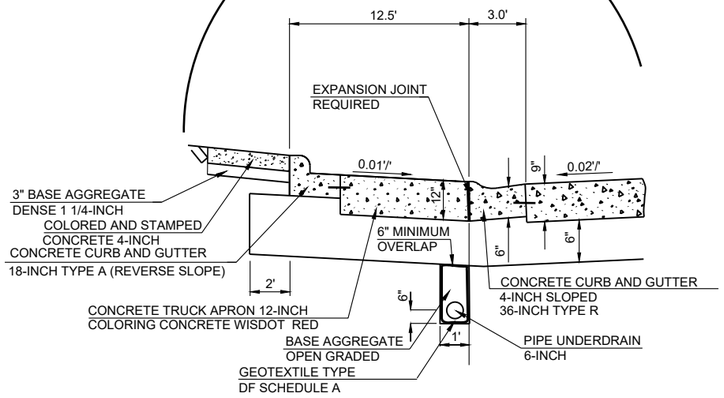
2



* SEE PLAN DETAILS FOR LOCATION OF OUTSIDE TRUCK APRON

TYPICAL FINISHED SECTION FOR CTH VV/STH 29 EB AND WB RAMPS

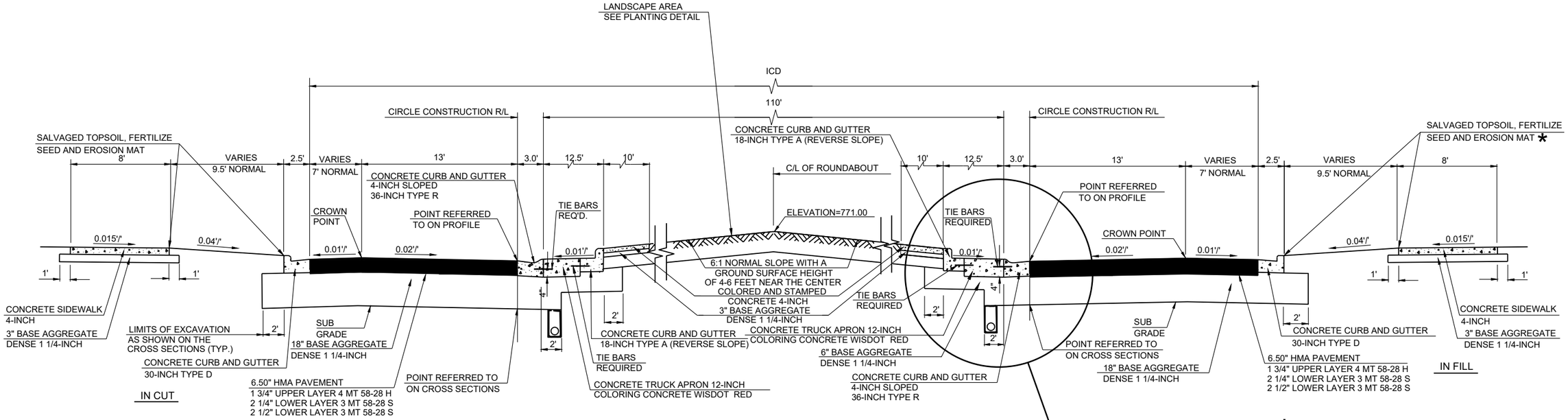
ROUNDABOUT DETAIL



TRUCK APRON (TYPICAL)

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 21	E

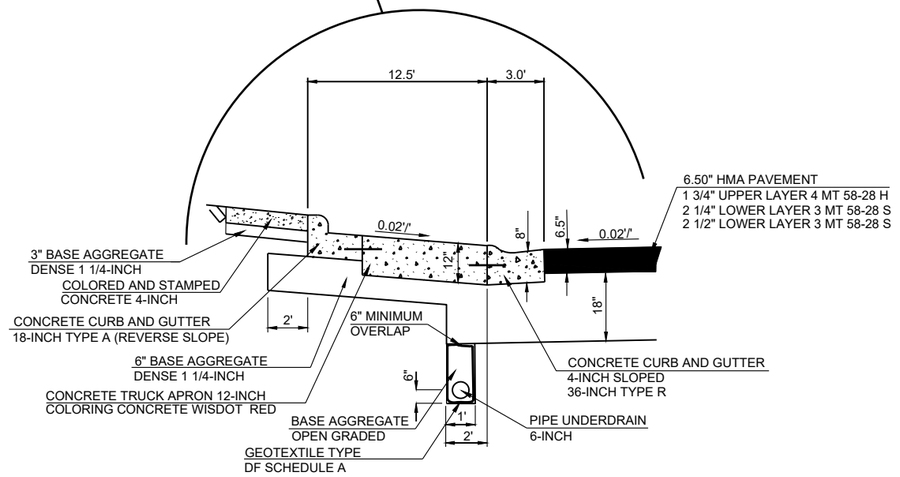
2



TYPICAL FINISHED SECTION FOR MARLEY ST./EVERGREEN AVE.

ROUNDABOUT DETAIL

* SEE PLAN DETAILS FOR LOCATION OF OUTSIDE TRUCK APRON



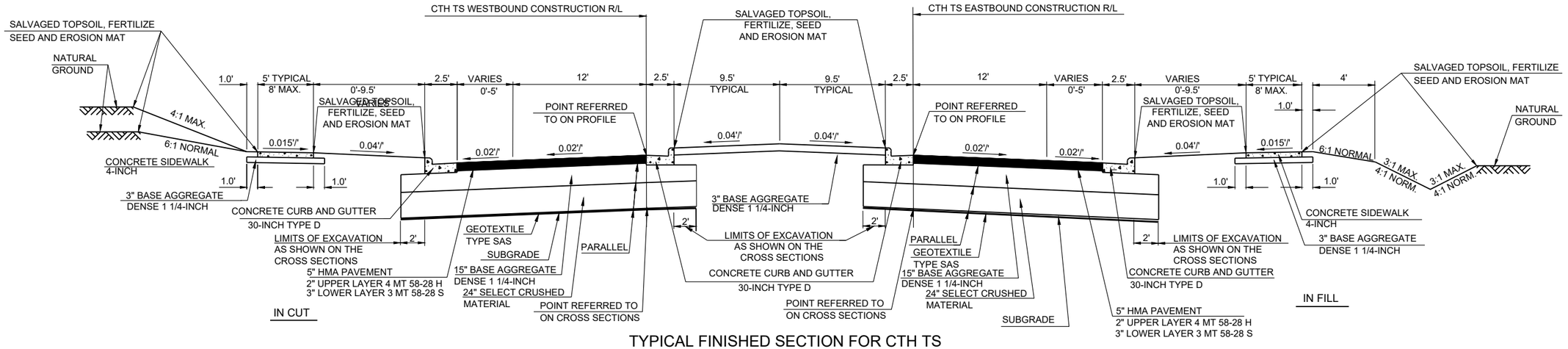
TRUCK APRON (TYPICAL)

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 22	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020319 ts
PLOT DATE : 4/30/2020 7:26 AM
PLOT BY : VERVILLE, PHILLIP
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

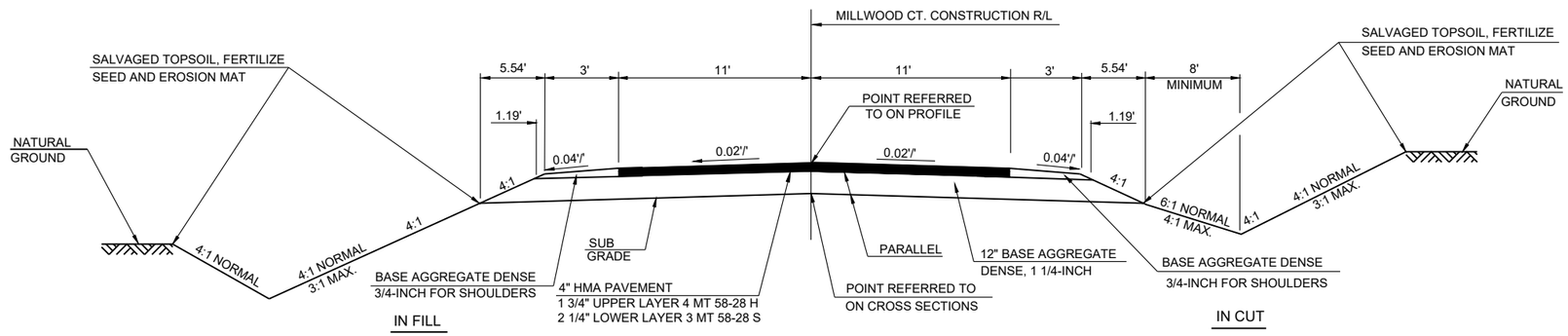
2

NOTE:
COLORED AND STAMPED
CONCRETE 4-INCH IN MEDIAN
STA. 100+00.00'CE' - STA. 100+36.17'CE'



TYPICAL FINISHED SECTION FOR CTH TS

STA. 100+00.00'CE' - STA. 119+76.20'CE'



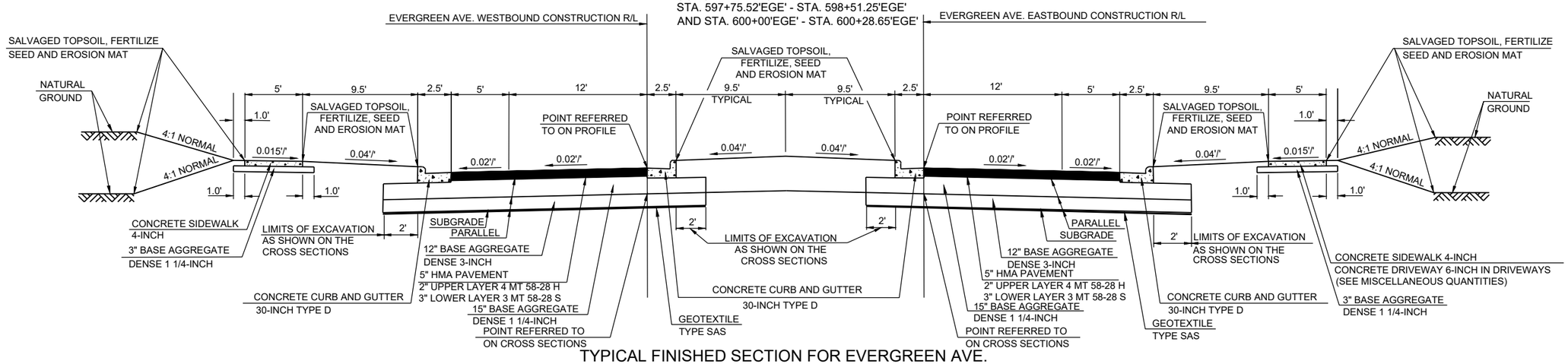
TYPICAL FINISHED SECTION FOR MILLWOOD CT.

STA 798+00'M' - STA 799+67'M'

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 23	E

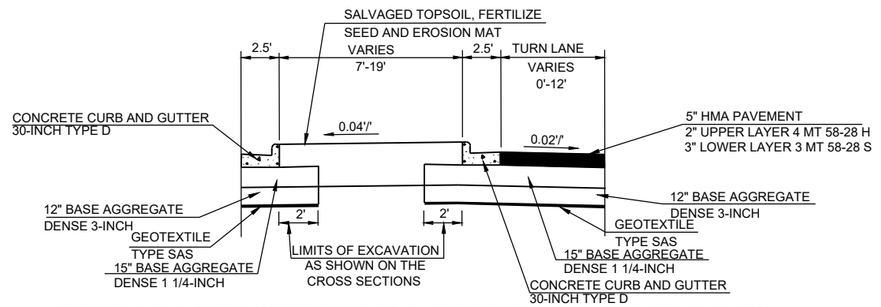
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020320 ts
PLOT DATE : 4/30/2020 7:26 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:200 FT

NOTE:
COLORED AND STAMPED
CONCRETE 4-INCH IN MEDIAN
STA. 597+75.52'EGE' - STA. 598+51.25'EGE'
AND STA. 600+00'EGE' - STA. 600+28.65'EGE'



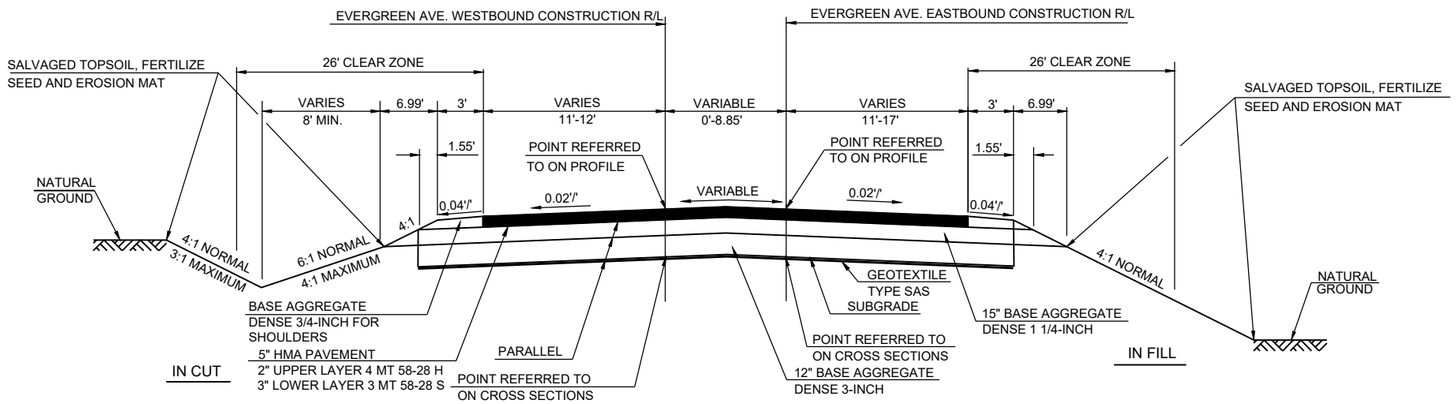
TYPICAL FINISHED SECTION FOR EVERGREEN AVE.

STA. 597+75.52'EGE' - STA. 598+51.25 'EGE'
STA. 600+00.00'EGE' - STA. 634+74.20'EGE'



TYPICAL FINISHED SECTION FOR EVERGREEN AVE. AT TURN LANES

STA. 607+29.5'EGE' - STA. 609+87.7'EGE'
STA. 623+94.4'EGE' - STA. 626+35.1'EGE'
STA. 627+48.7'EGE' - STA. 630+10.9'EGE'

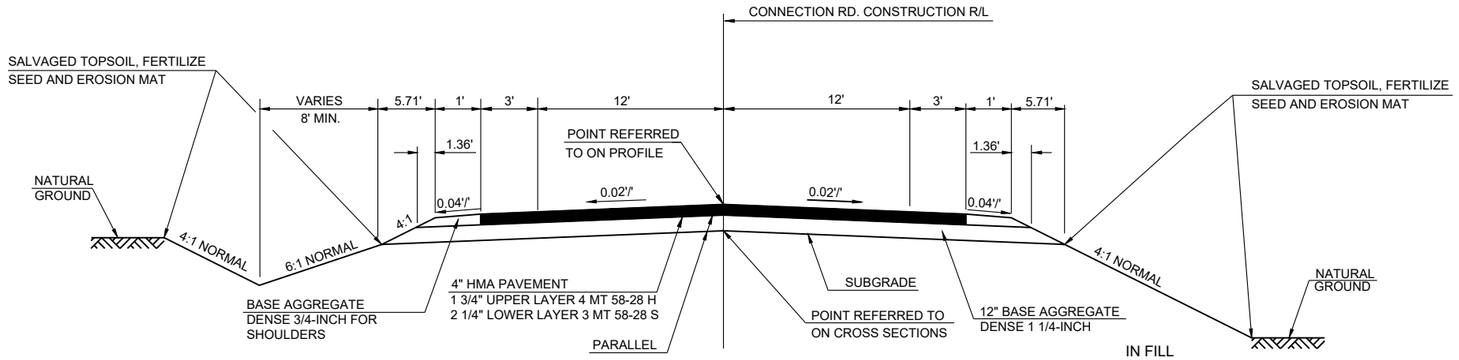


TYPICAL FINISHED SECTION FOR EVERGREEN AVE.

STA. 634+74.20'EGE' - STA. 642+50.00'EGE'

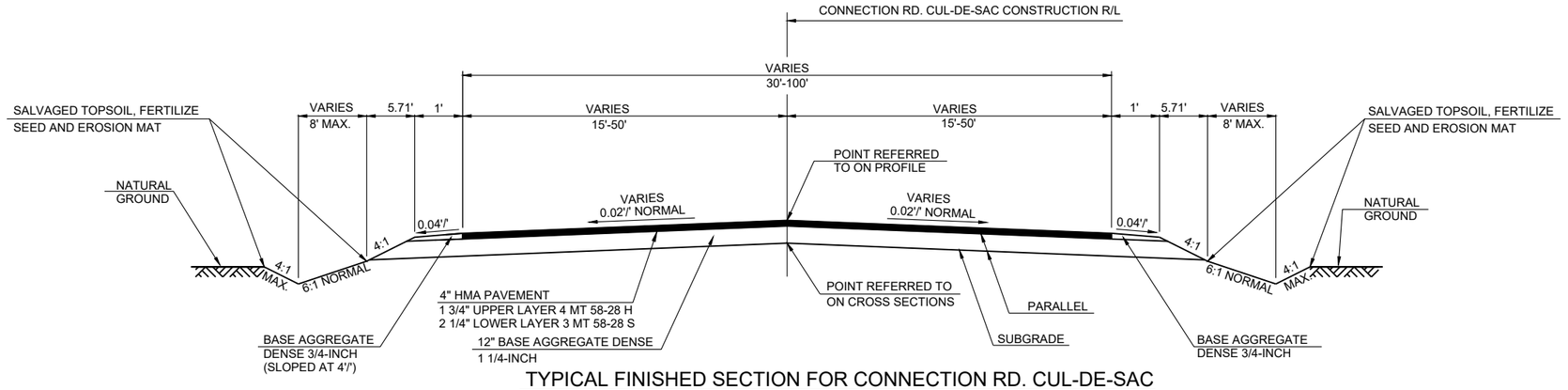
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 24	E

2

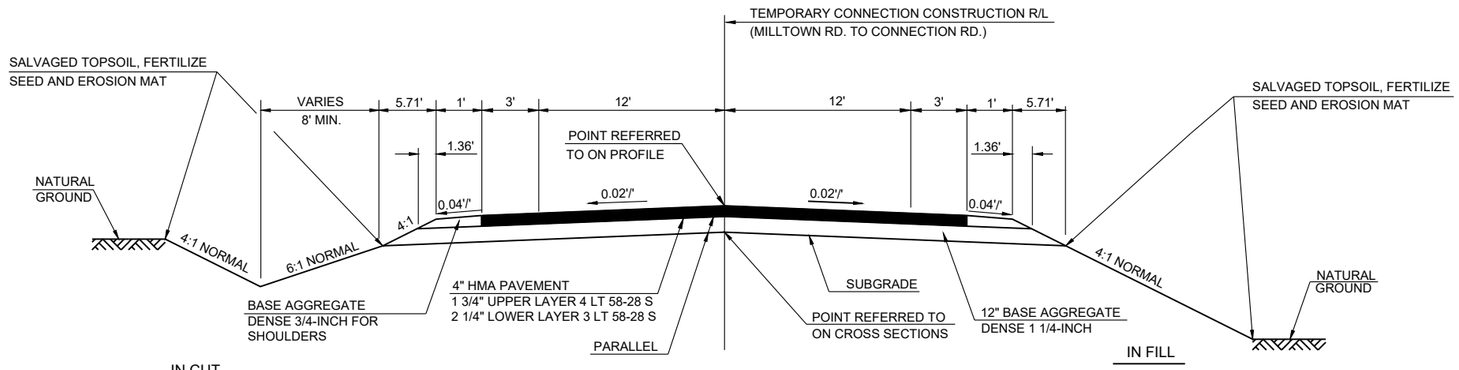


TYPICAL FINISHED SECTION FOR CONNECTION RD

STA. 700+00'CT' - STA. 707+42'CT'



TYPICAL FINISHED SECTION FOR CONNECTION RD. CUL-DE-SAC

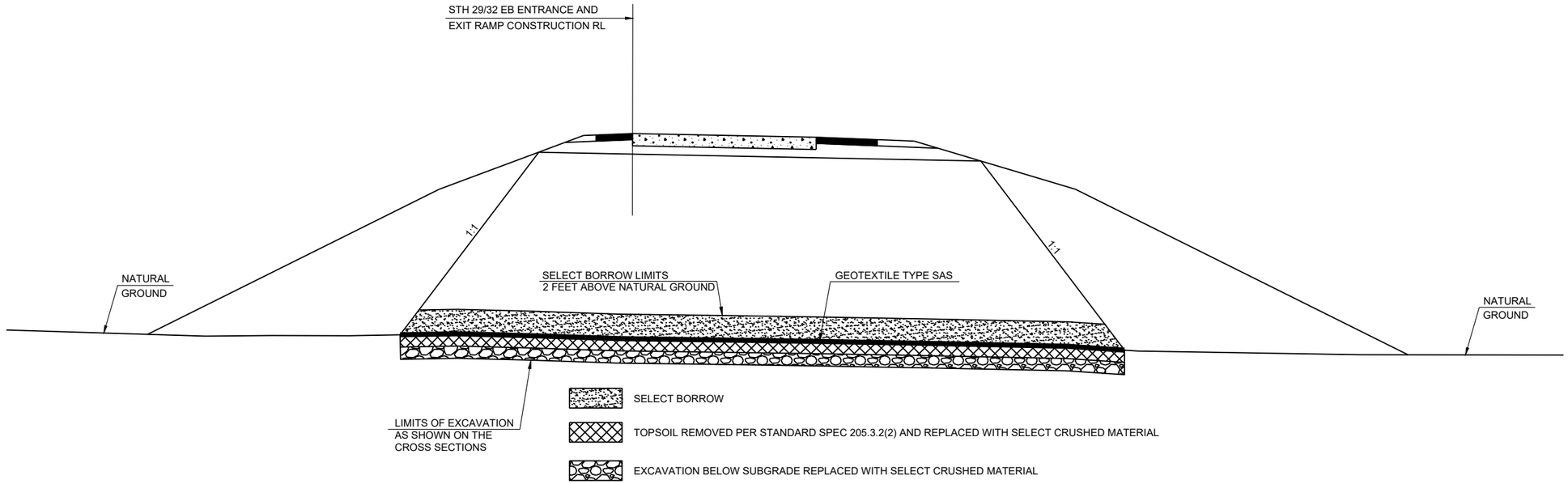


TYPICAL FINISHED SECTION FOR TEMPORARY RD.

STA. 10+45.35'TCR' - STA. 12+61.89'TCR'

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 25	E

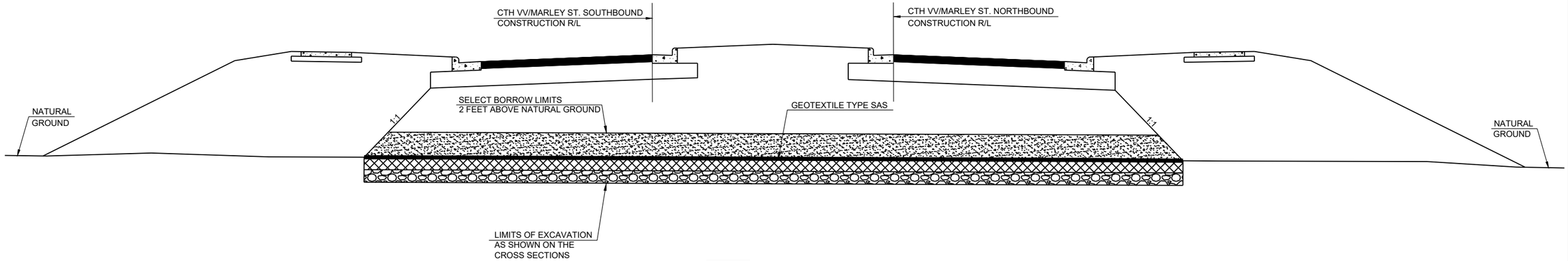
2



SOIL MITIGATON FOR STH 29 ENTRANCE AND EXIT RAMPS

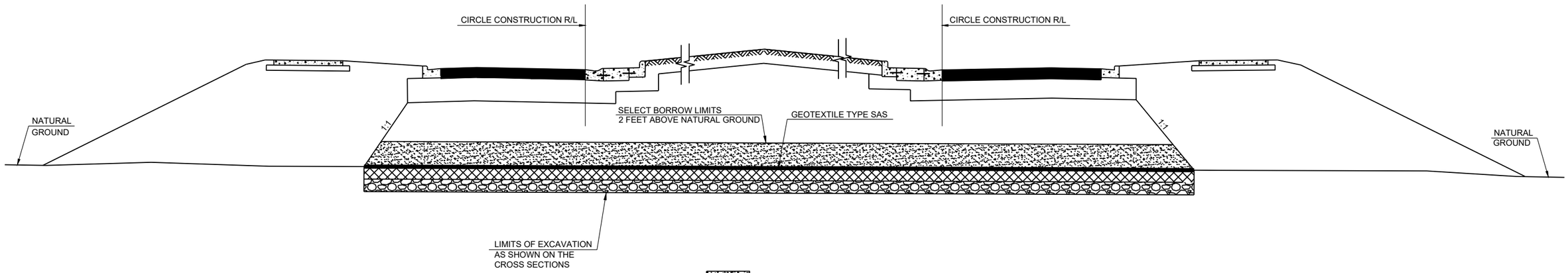
STA. 206+50 'RA' - STA. 215+95 'RA'
STA. 300+50 'RB' - STA. 310+00 'RB'
STA. 400+55 'RC' - STA. 409+00 'RC'
STA. 514+50 'RD' - STA. 525+30 'RD'

2



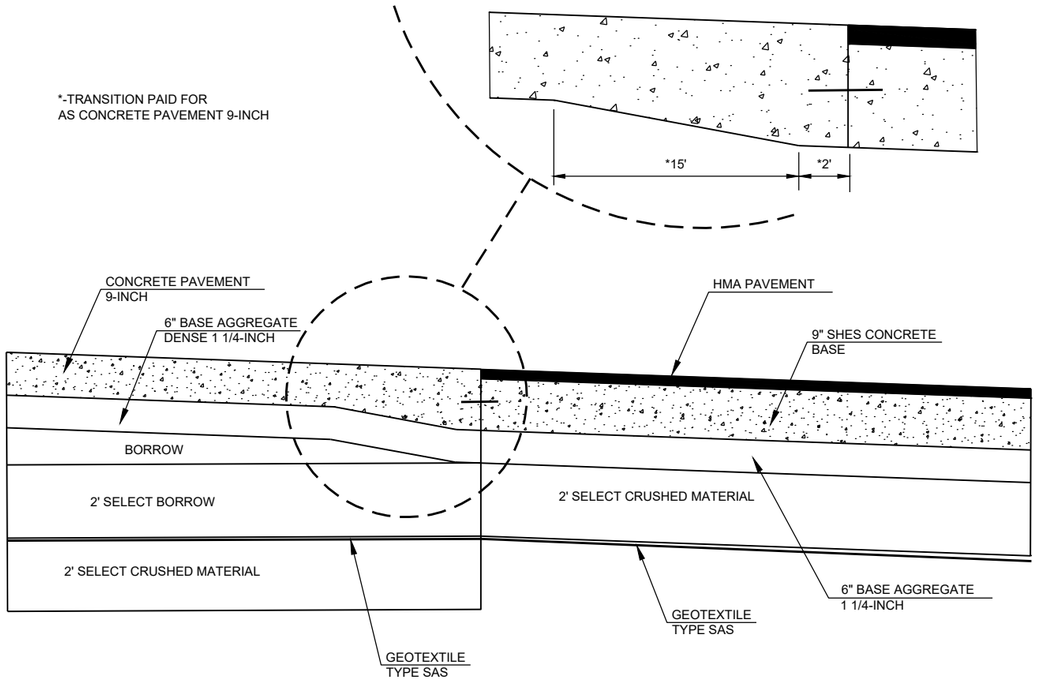
SOIL MITIGATON FOR CTH VV/MARLEY STREET

STA. 33+14.69 - STA. 45+05 CTH VV NORTHBOUND CONSTRUCTION R/L
STA. 47+24.25 - STA. 59+50.96 MARLEY ST. NORTHBOUND CONSTRUCTION R/L

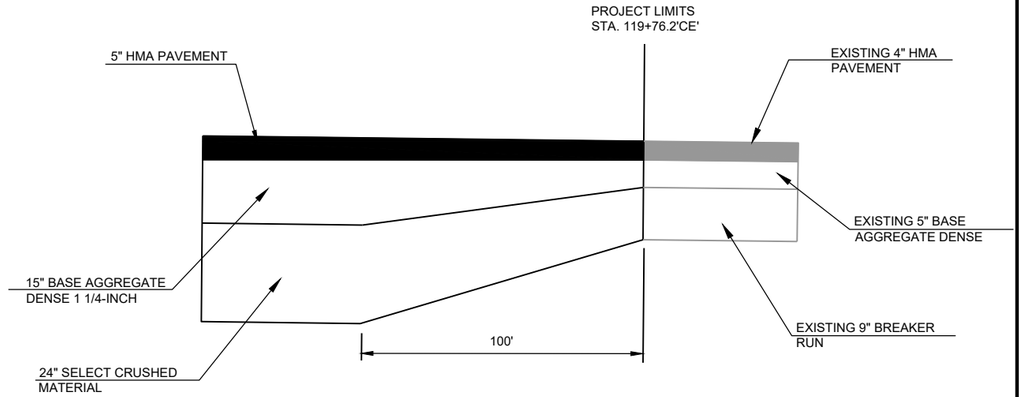


SOIL MITIGATON FOR RAMP TERMINAL ROUNDABOUTS

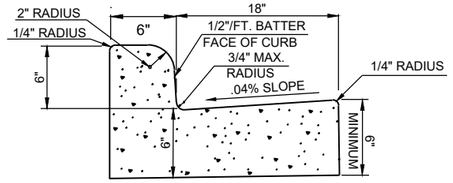
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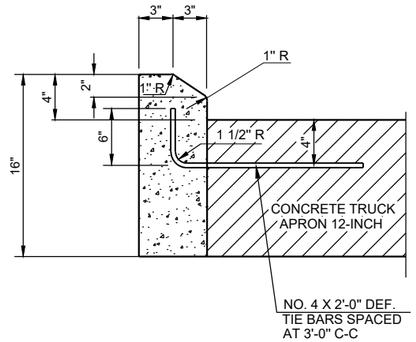
CONCRETE BASE TO CONCRETE PAVEMENT TRANSITION DETAIL



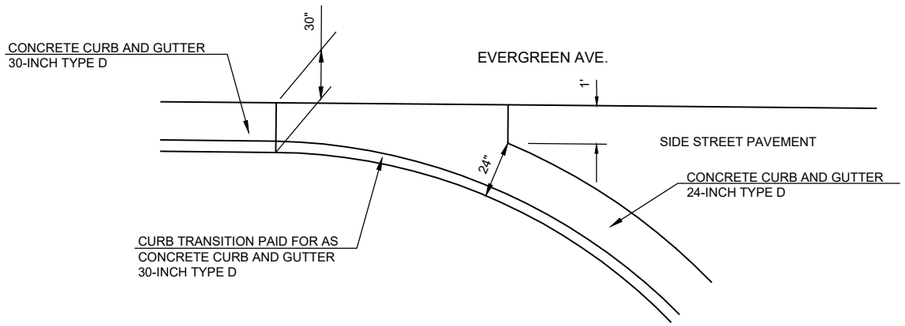
TRANSITION DETAIL FOR CTH TS



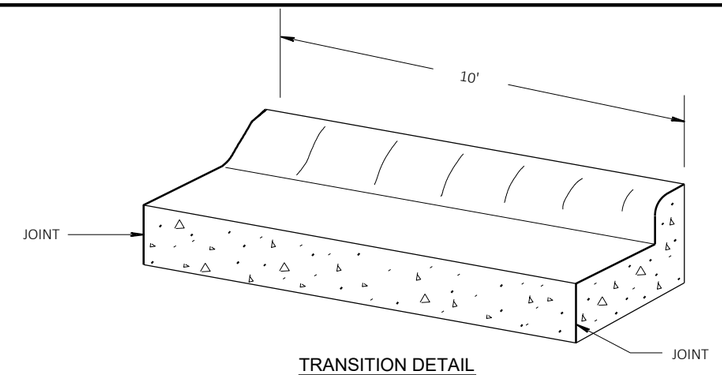
DETAIL FOR CONCRETE CURB AND GUTTER 24-INCH TYPE D



CONCRETE CURB, TYPE G MODIFIED

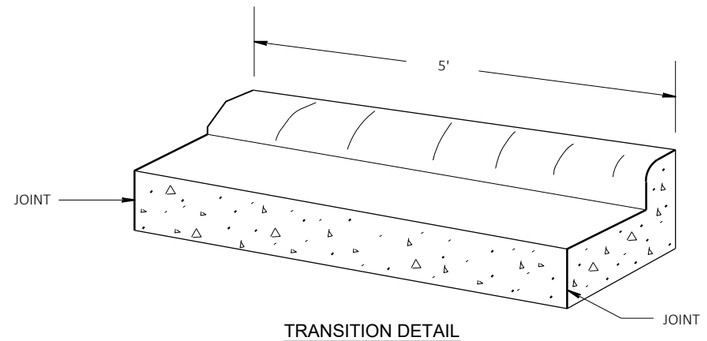


CONCRETE CURB AND GUTTER TRANSITION DETAIL
30-INCH TO 24-INCH



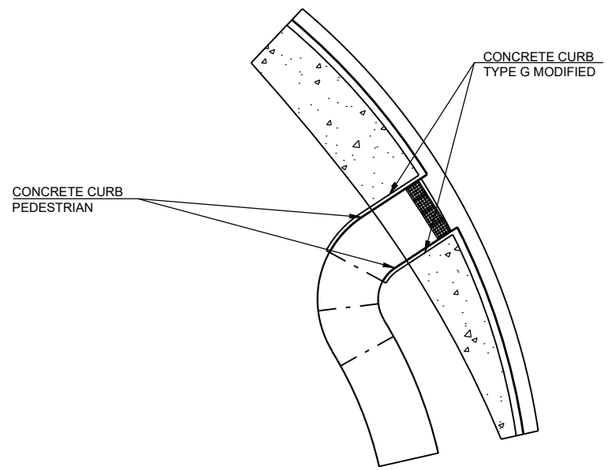
TRANSITION DETAIL

36" TYPE "A" CURB & GUTTER TO 30" TYPE "A" CURB & GUTTER
(TO BE MEASURED & PAID FOR AS 36" CONC. C&G)

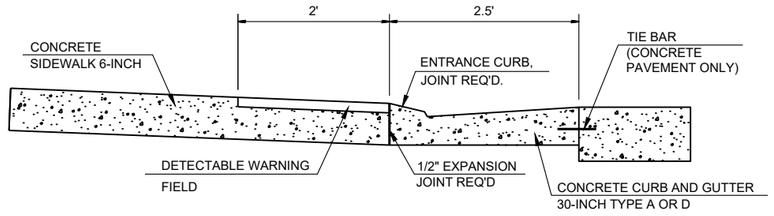


TRANSITION DETAIL

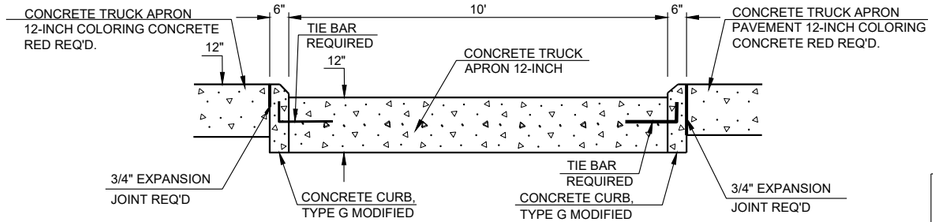
30" TYPE "J" CURB AND GUTTER TO 30" TYPE "D" CURB AND GUTTER
(TO BE MEASURED AND PAID FOR AS 30" CONCRETE CURB AND GUTTER TYPE "J")



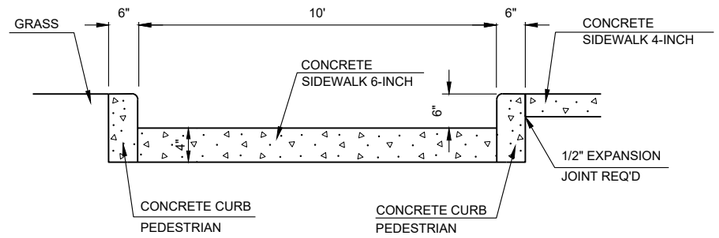
PEDESTRIAN CURB AT TRUCK APRONS



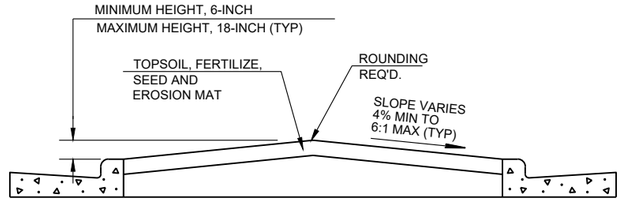
SECTION A-A



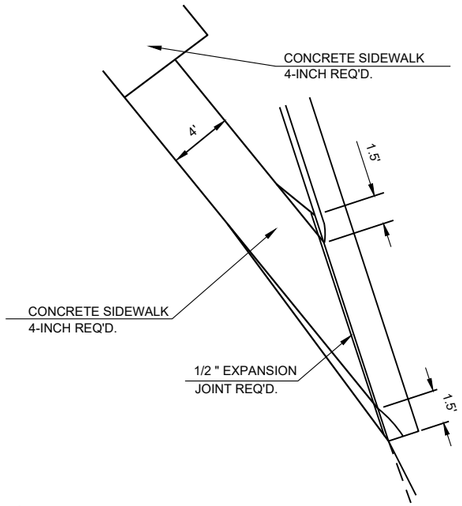
SECTION B-B
AT TRUCK APRON LOCATIONS

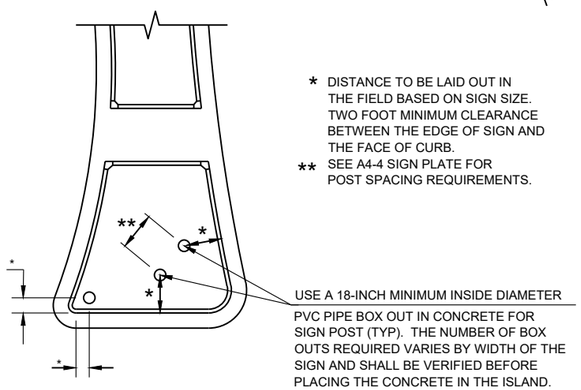


SECTION B-B



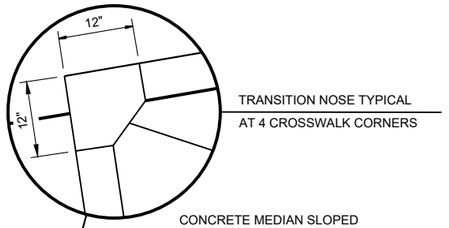
SECTION C-C

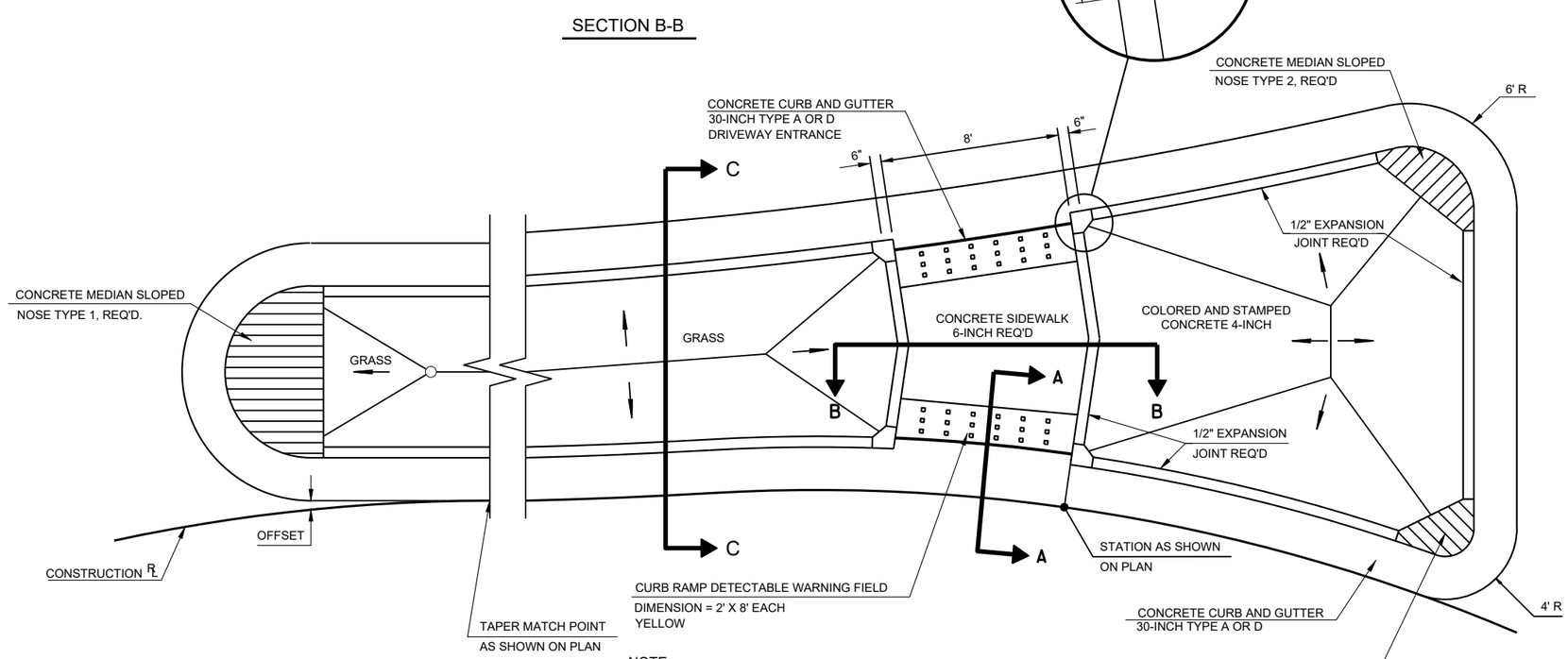




* DISTANCE TO BE LAID OUT IN THE FIELD BASED ON SIGN SIZE. TWO FOOT MINIMUM CLEARANCE BETWEEN THE EDGE OF SIGN AND THE FACE OF CURB.
** SEE A4-4 SIGN PLATE FOR POST SPACING REQUIREMENTS.

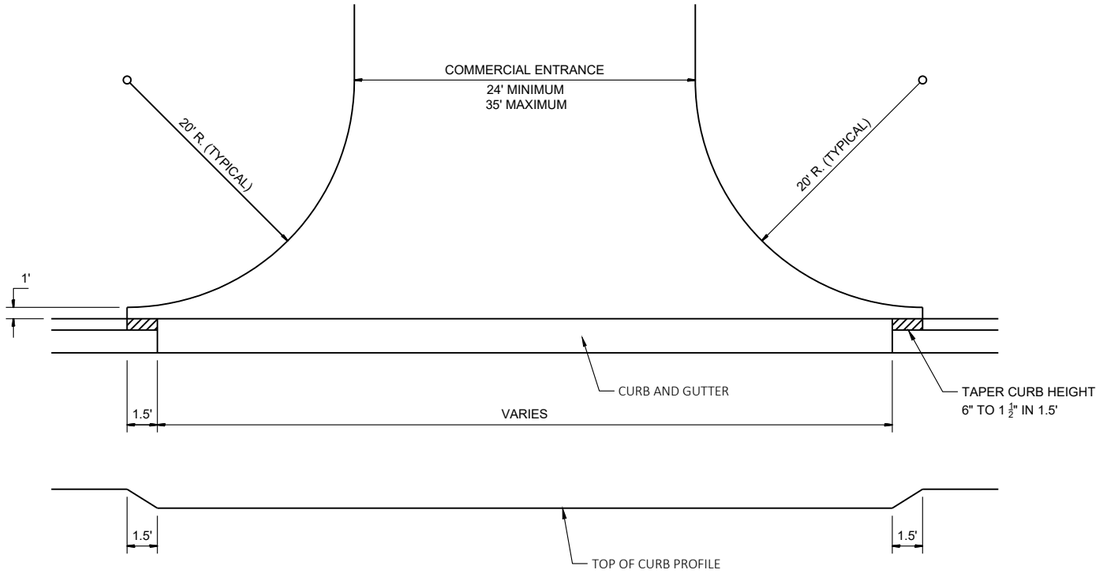
ISLAND SIGN LOCATION DETAIL (TYP)





NOTE:
INSTALL TRANSITION NOSE.
(INCIDENTAL TO OTHER PAY ITEMS.)
DO NOT MARK TRANSITION NOSE.

SPLITTER ISLAND DETAIL



COMMERCIAL ENTRANCES

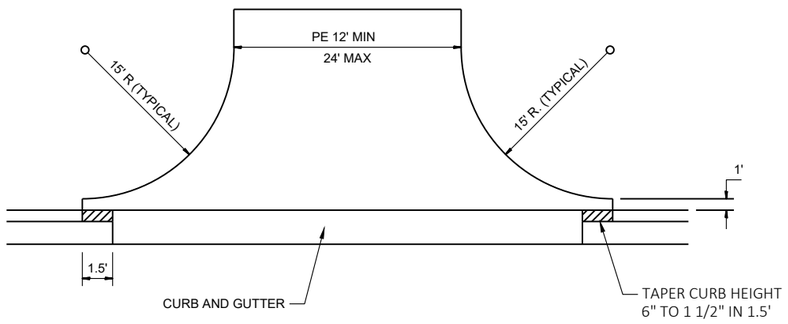
NOTES:
NON-PAVED DRIVEWAYS SHALL CONSIST OF 6" OF BASE AGGREGATE DENSE.

RESIDENTIAL ENTRANCE ASPHALTIC DRIVEWAYS SHALL CONSIST OF 6" BASE AGGREGATE DENSE AND 3" OF ASPHALTIC PAVEMENT.

COMMERCIAL ENTRANCE ASPHALTIC DRIVEWAYS SHALL CONSIST OF 12" BASE AGGREGATE DENSE AND 4" OF ASPHALTIC PAVEMENT

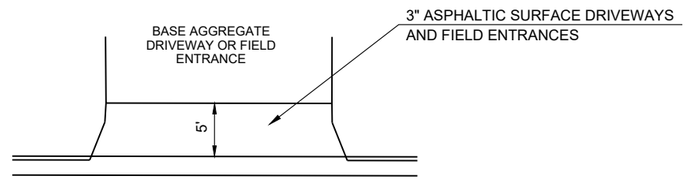
6" CONCRETE DRIVEWAY FOR RESIDENTIAL ENTRANCES.

(1) A LARGER PAVING RADIUS FOR PAVING IN HIGHER SPEED ZONE (> 40 MPH) CAN BE USED IF WARRANTED.



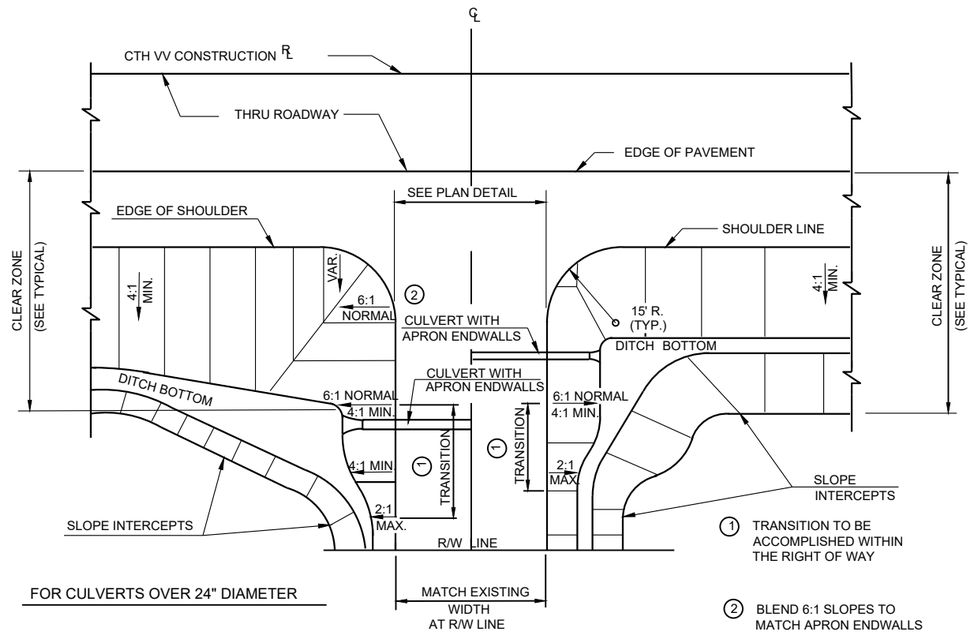
PRIVATE ENTRANCES

RURAL DRIVEWAYS WITH CURB AND GUTTER



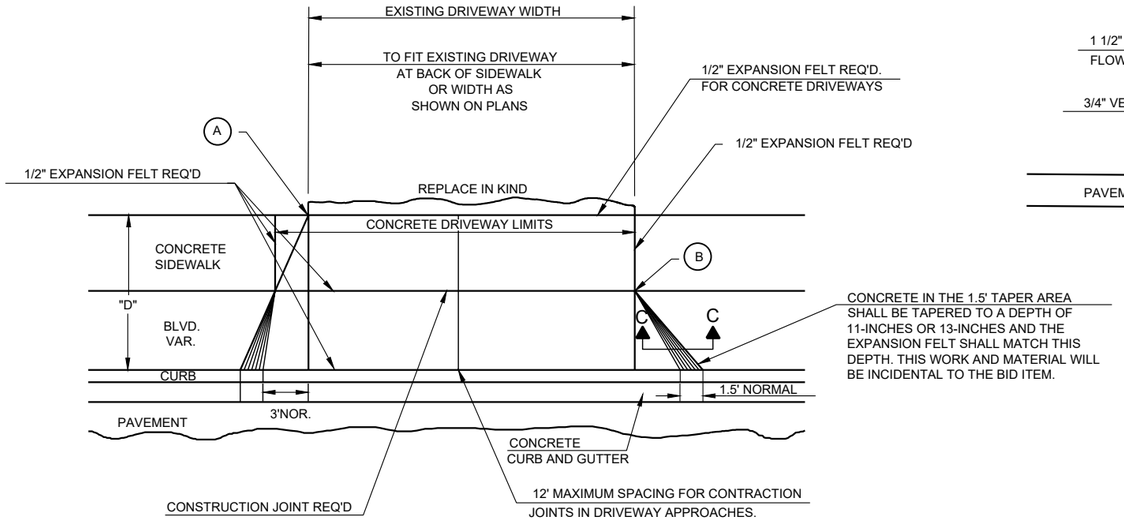
ADDITIONAL ASPHALTIC SURFACE FOR BASE AGGREGATE DENSE DRIVEWAYS WITHOUT SIDEWALK

STA. 28+25'NB'
STA. 29+20'NB'



ENTRANCE GRADING DETAIL

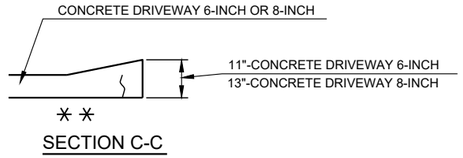
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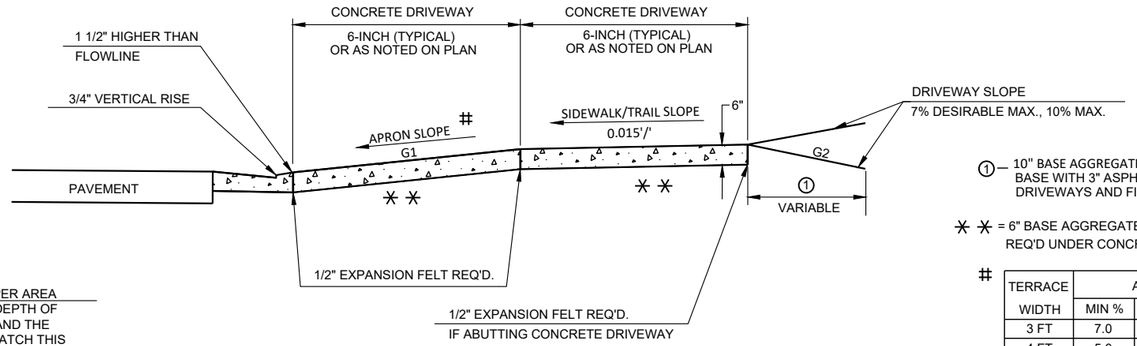
PLAN VIEW

Ⓐ WHEN "D" IS 13' OR LESS, ALIGN TAPER WITH BACK OF SIDEWALK

Ⓑ WHEN "D" IS GREATER THAN 13', ALIGN TAPER WITH FRONT OF SIDEWALK



SECTION C-C



TYPICAL SIDEWALK SECTION

① — 10" BASE AGGREGATE DENSE 1 1/4-INCH BASE WITH 3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

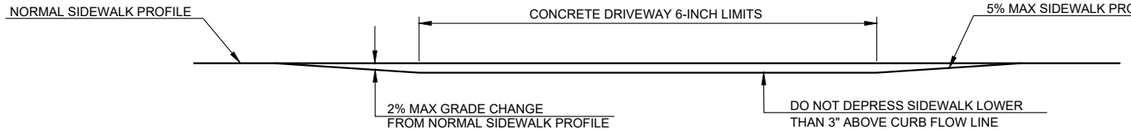
** ** = 6" BASE AGGREGATE DENSE 1 1/4-INCH REQ'D UNDER CONCRETE DRIVEWAY

\#

TERRACE WIDTH	APRON SLOPE (G1) MIN %	DESIRABLE %	MAX %
3 FT	7.0	8.5	9.0
4 FT	5.0	7.0	9.0
5 FT	4.0	7.0	9.0
6 FT	4.0	7.0	9.0
7 FT	3.5	7.0	9.0
8 FT	3.0	7.0	9.0

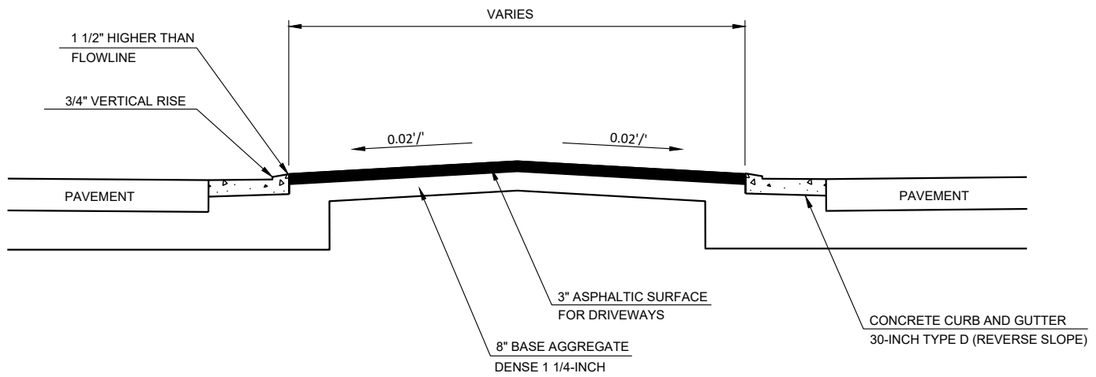
NOTE: ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G1 & G2 TO NOT EXCEED 15%

DEPRESS SIDEWALK PROFILE IF DRIVEWAY APRON EXCEEDS MAX SLOPE



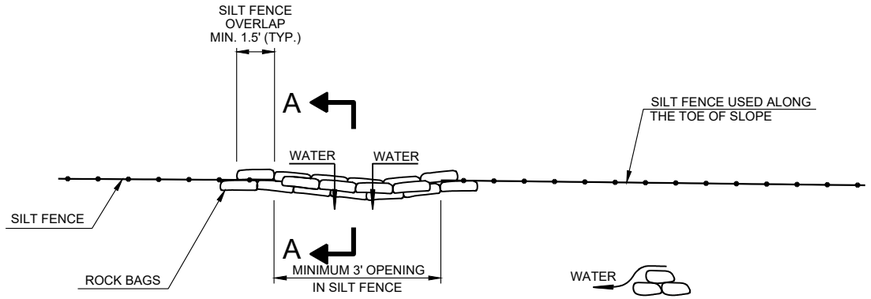
DEPRESSED SIDEWALK PROFILE DETAIL

DRIVEWAY ENTRANCE DETAIL WITH SIDEWALK, CURB AND GUTTER



ASPHALTIC SURFACE FOR DRIVEWAYS MEDIAN DETAIL

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CONSTRUCTION DETAILS	SHEET 32	E

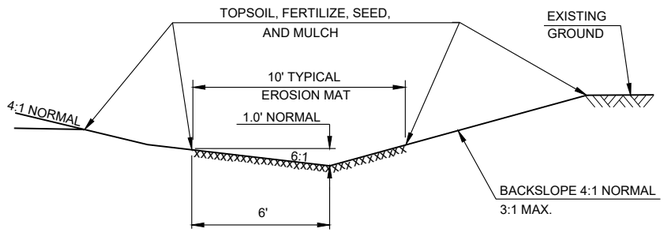


TOP VIEW

SECTION A-A

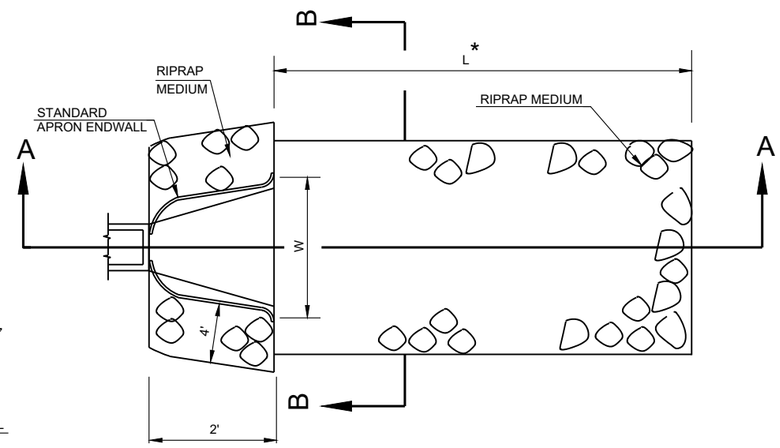
ROCK BAGS USED FOR SILT FENCE RELIEF DETAIL

PAID AS ROCK BAGS
(SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS)

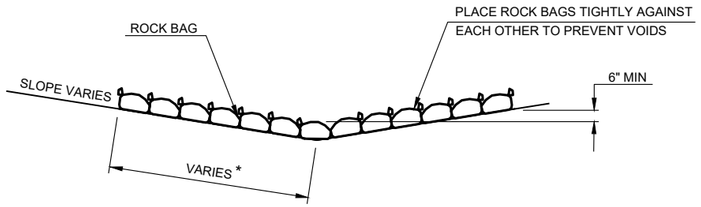


TYPICAL INSTALLATION FOR EROSION MAT

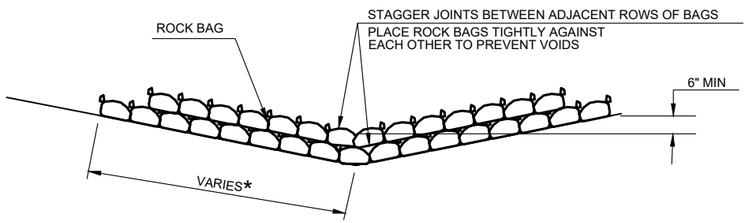
DITCH LINING
(SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS)



*L = 3 TIMES DIAMETER (NORMAL) OR
10' MIN. OR AS DIRECTED BY THE
ENGINEER



SIDE VIEW (SINGLE LAYER)

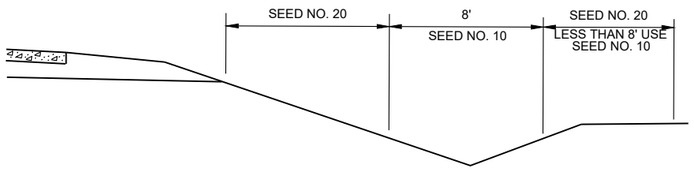


* LENGTH AND NUMBER OF BAGS MAY VARY
DEPENDING ON DESIRED DEPTH OF WATER POOL

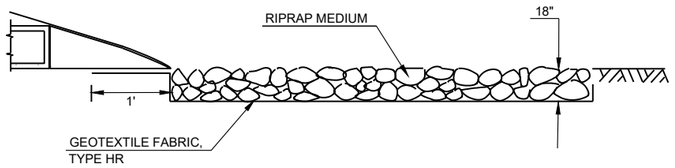
SIDE VIEW (MULTIPLE LAYER)

ROCK BAGS DITCH CHECK

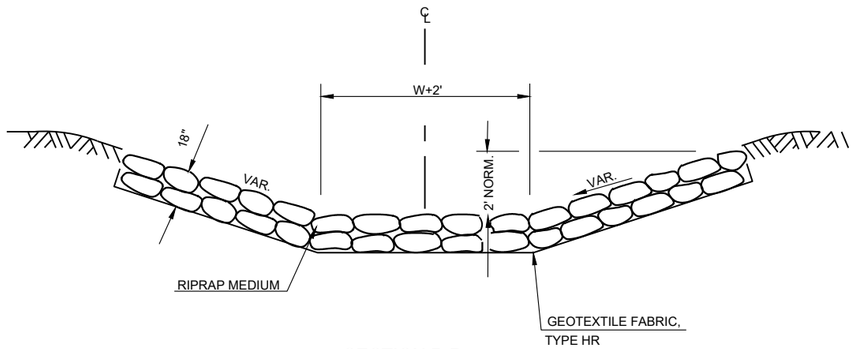
PAID AS ROCK BAGS
(SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS)



DETAIL OF SEEDING MIXTURE NO. 10 ALONG STH 29



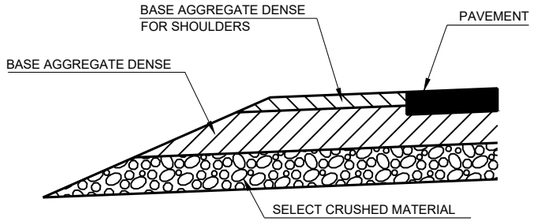
SECTION A-A



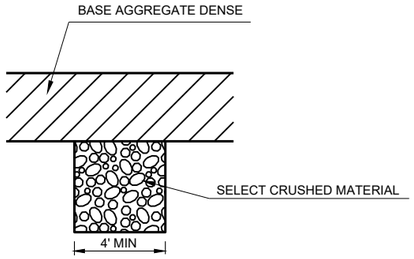
SECTION B-B

RIPRAP MEDIUM AND GEOTEXTILE FABRIC DETAIL AT APRON ENDWALLS

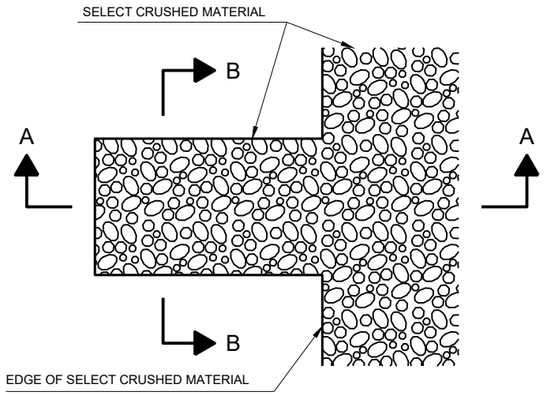
(SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS)



SECTION A-A

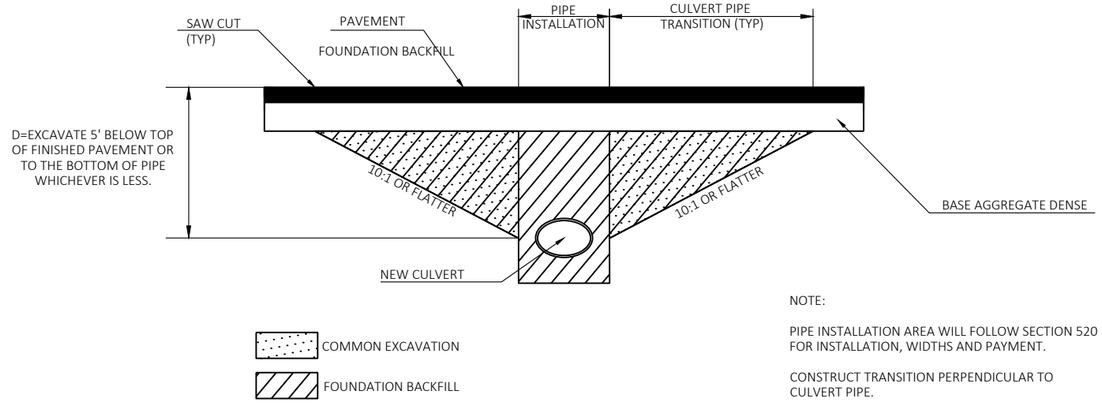


SECTION B-B



DETAIL FOR FRENCH DRAINS

DRAINS ARE TO BE CONSTRUCTED AT LEAST EVERY 250'
AND AT EACH SAG VERTICAL CURVE IN THE PROFILE.
LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
EXCAVATION REQUIRED TO CONSTRUCT FRENCH DRAINS SHALL
BE CONSIDERED INCIDENTAL TO THE ITEM "SELECT CRUSHED MATERIAL".



NOTE:

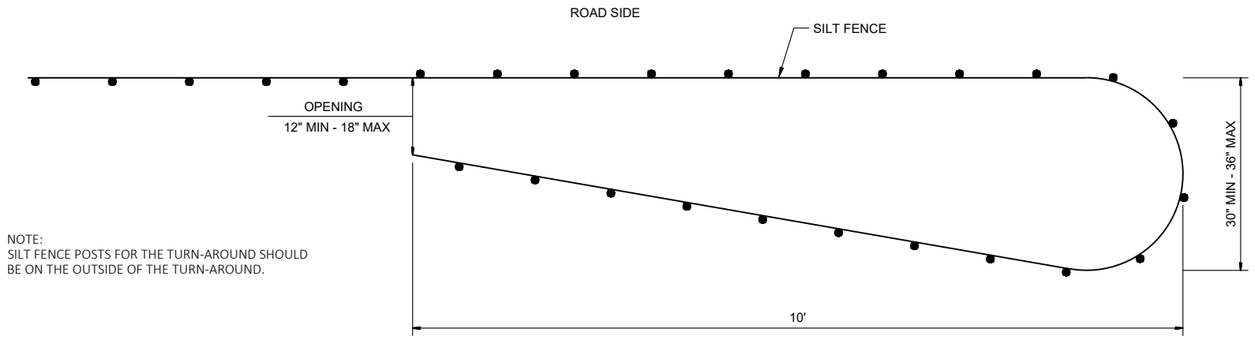
PIPE INSTALLATION AREA WILL FOLLOW SECTION 520
FOR INSTALLATION, WIDTHS AND PAYMENT.

CONSTRUCT TRANSITION PERPENDICULAR TO
CULVERT PIPE.

CULVERT PIPE TRANSITION AREAS WILL BE PAID
BY COMMON EXCAVATION AND SPV FOUNDATION BACKFILL

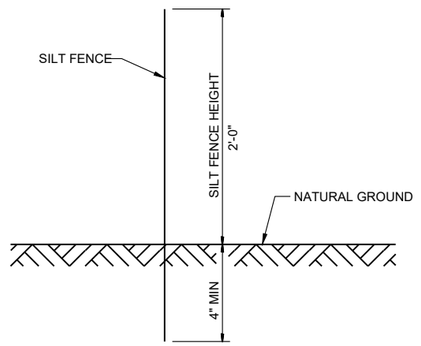
NEW CULVERT PIPE WITH TRANSITION

STATION 637+40 'EGE'



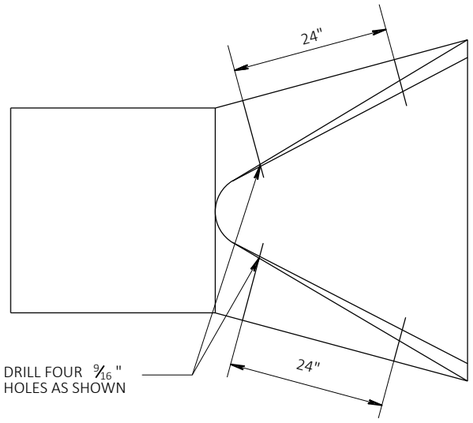
NOTE:
SILT FENCE POSTS FOR THE TURN-AROUND SHOULD
BE ON THE OUTSIDE OF THE TURN-AROUND.

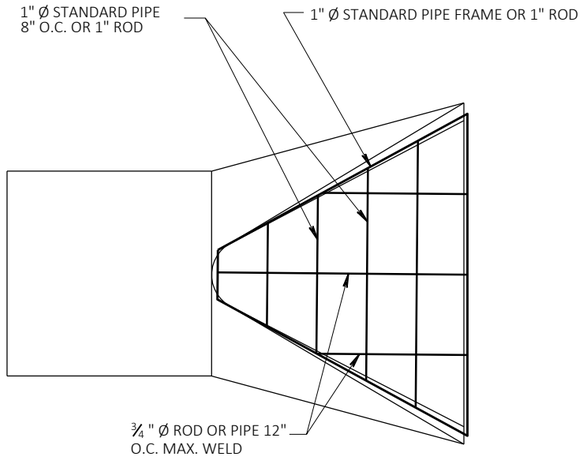
PLAN VIEW



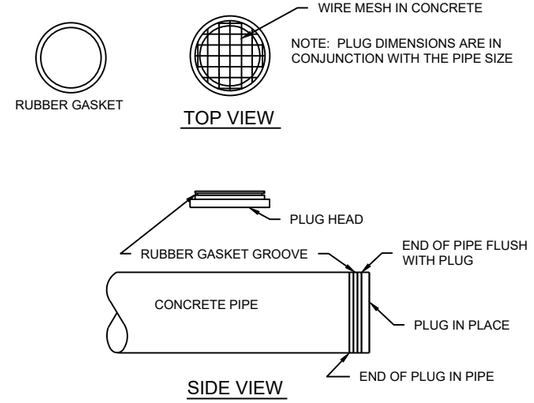
SIDE VIEW

SILT FENCE TURN-AROUND DETAIL

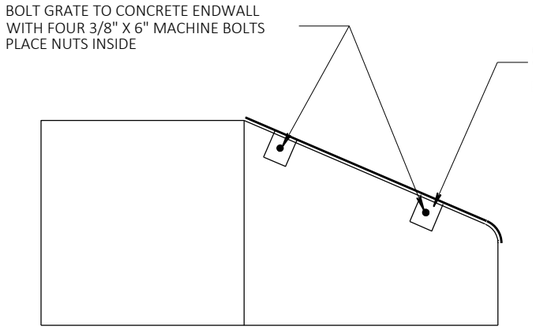


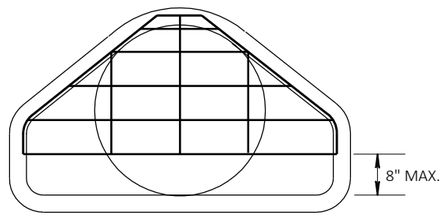


AT EACH PIPE

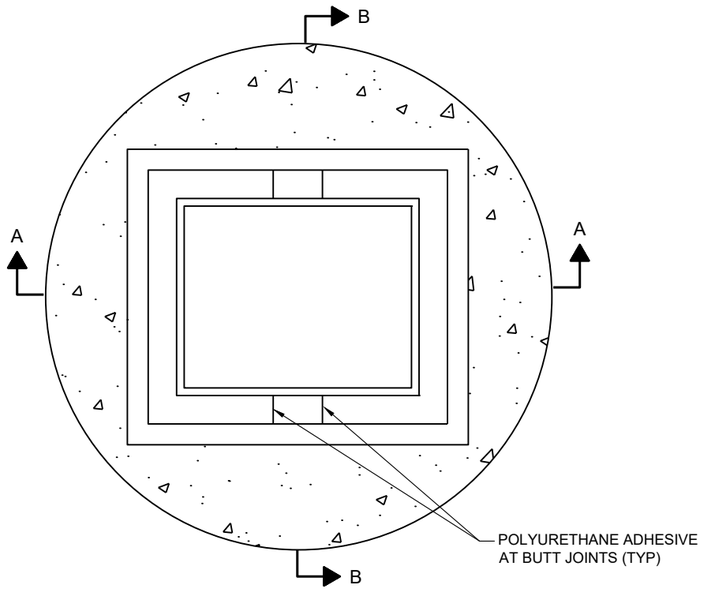


STORM SEWER PLUG DETAIL



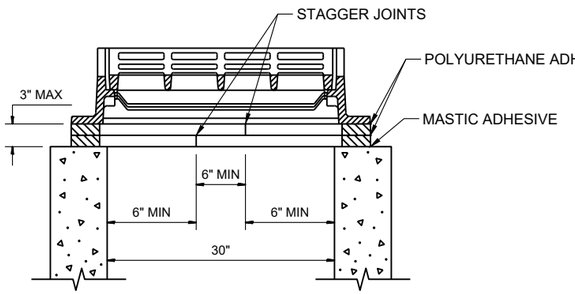


PIPE GRATE DETAIL
(SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS)

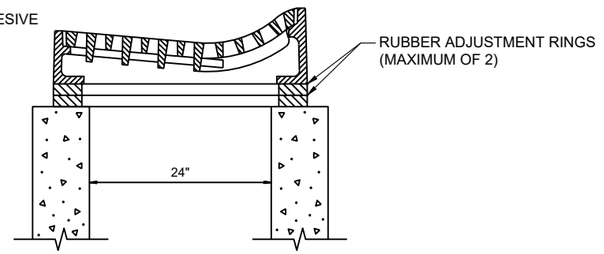


PLAN VIEW

NOTE: ALL CUTS MADE TO RUBBER ADJUSTMENT RINGS WILL BE PERPENDICULAR AND PROVIDE A TIGHT JOINT.



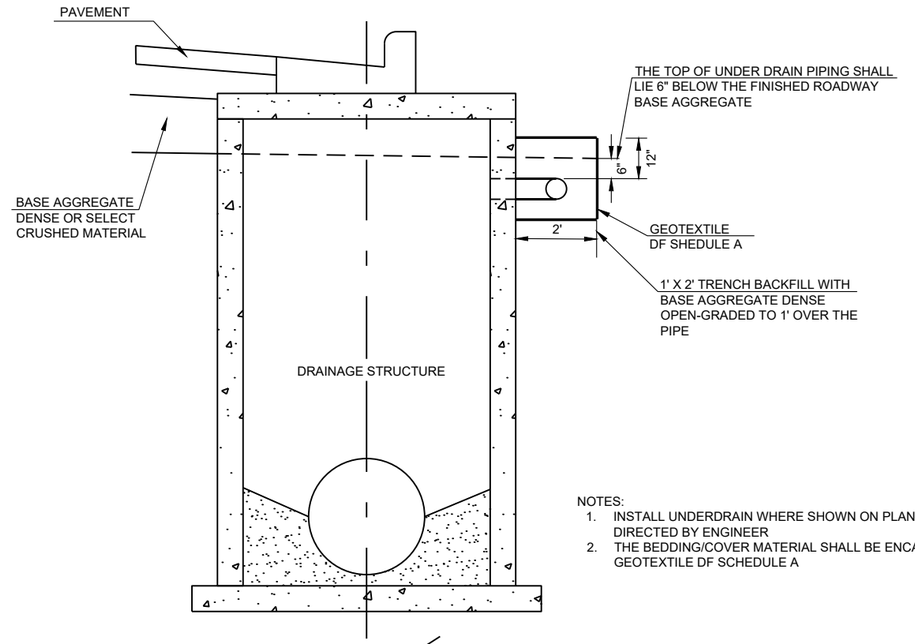
SECTION A-A



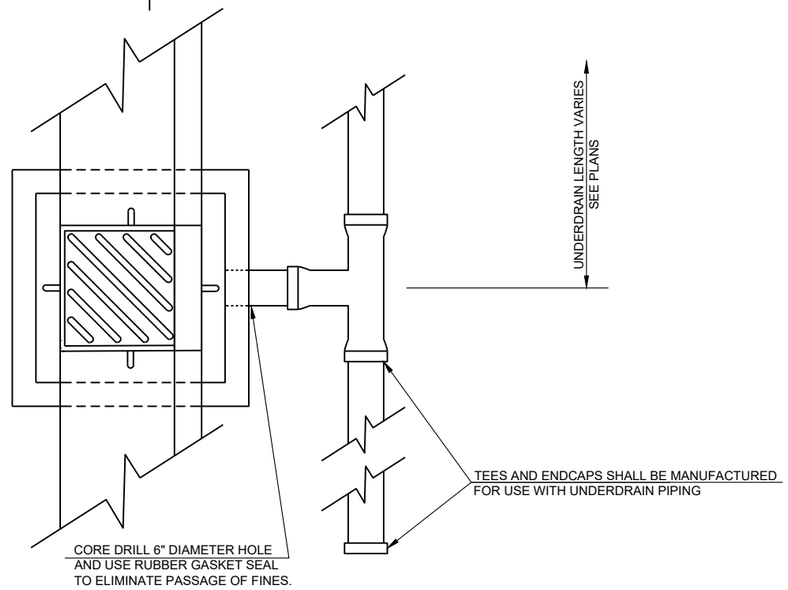
SECTION B-B

RUBBER RING CUTTING DETAIL FOR CATCH BASINS WITH TYPE "T" CASTINGS

(SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS)



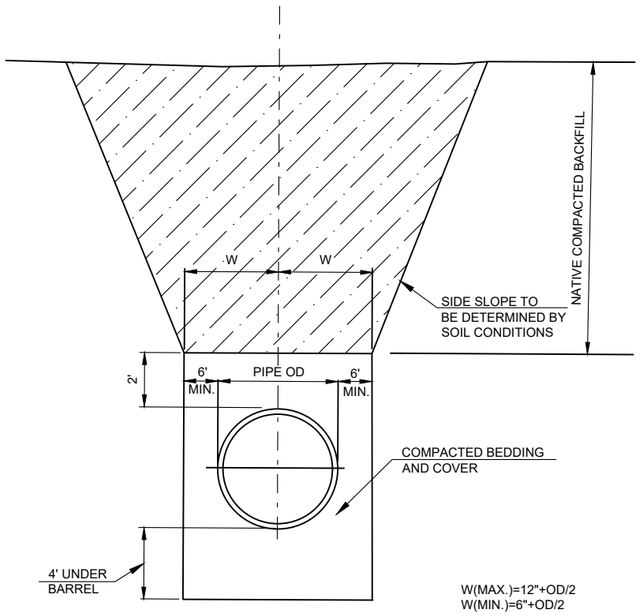
NOTES:
1. INSTALL UNDERDRAIN WHERE SHOWN ON PLANS AND/OR AS DIRECTED BY ENGINEER
2. THE BEDDING/COVER MATERIAL SHALL BE ENCASED WITH GEOTEXTILE DF SCHEDULE A



UNDERDRAIN DETAIL

(SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS)

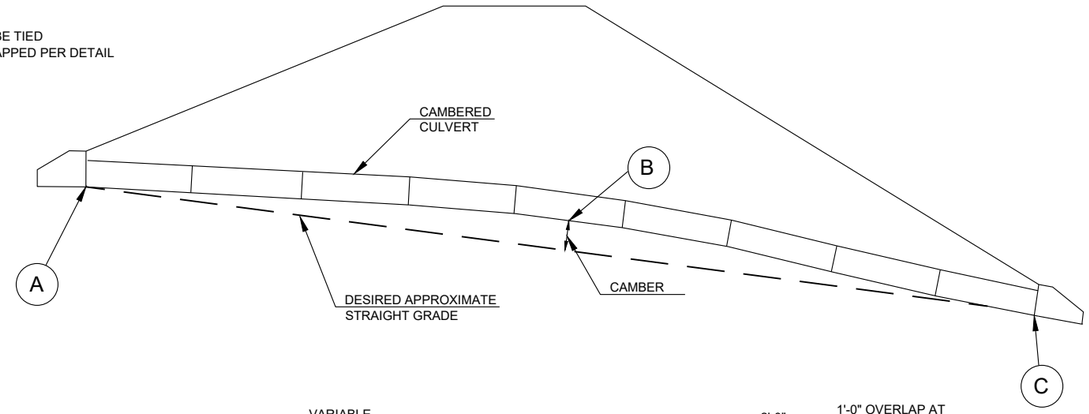
2

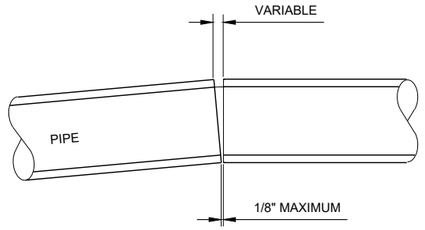


20-INCH STEEL CASING BEDDING AND TRENCH SECTION

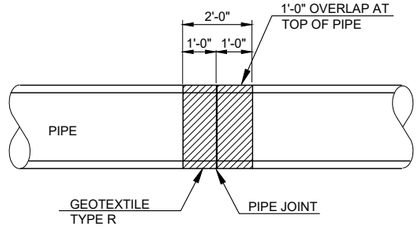
STATION	A	B	C	CAMBER
302+10'RB'	755.49	755.57	755.31	2"
519+86'RD'	755.64	755.59	755.38	1"

NOTE:
- ALL JOINTS TO BE TIED
- ALL JOINTS WRAPPED PER DETAIL



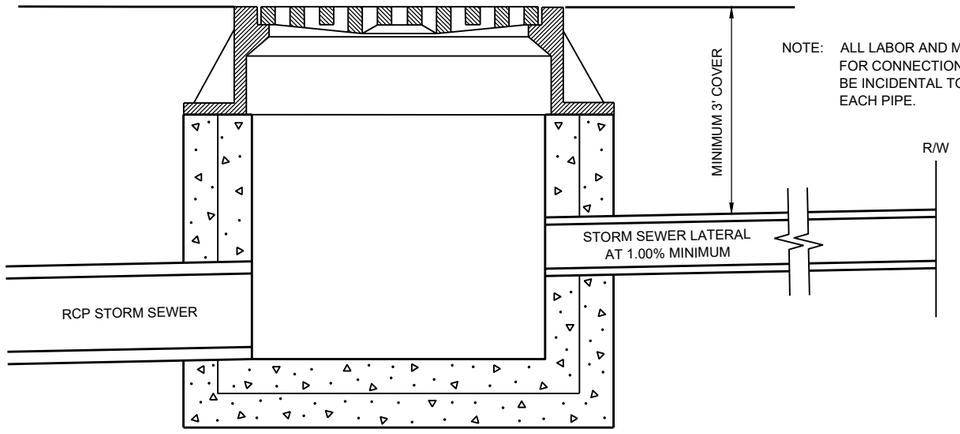


TYPICAL JOINT IN CAMBERED PIPE



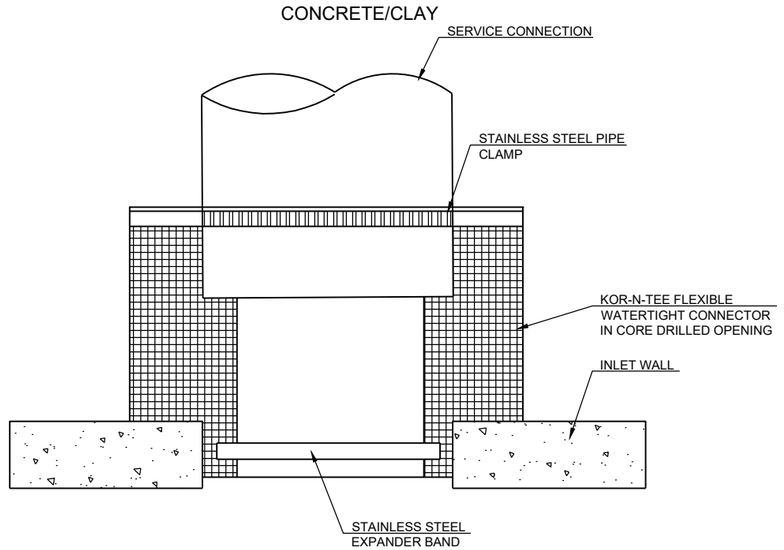
PIPE JOINT WRAPPING

CULVERT PIPE CAMBER

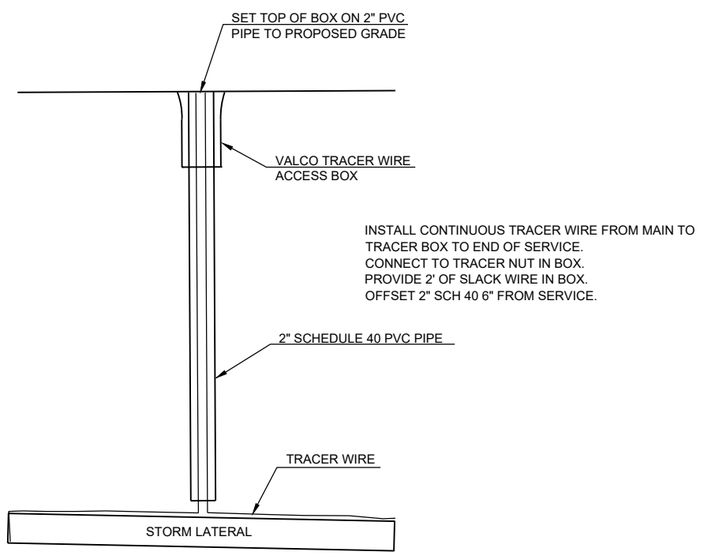


NOTE: ALL LABOR AND MATERIALS NECESSARY FOR CONNECTION TO STORM SEWER SHALL BE INCIDENTAL TO THE BID ITEM OF EACH PIPE.

STORM SEWER LATERAL DETAIL



STORM SEWER LATERAL INSTALLATION



TRACER WIRE BOX

2

2

LEGEND

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT

XXXX XXXX SAW CUT

X TREE TO BE REMOVED

N

STH 29/32 WESTBOUND

478'WB' 479'WB' 480'WB' 481'WB' 482'WB' 483'WB' 484'WB'

BEGIN PROJECT
STA. 479+68'EB'
Y = 593054.462
X = 53497.741

BASE AGGREGATE DENSE FOR SHOULDERS REQ'D.

REMOVE ROADWAY

SLOPE INTERCEPT

478'EB' EDGE OF CABC SHOULDER 479'EB'
EDGE OF PAVED SHOULDER

3' 480'EB' 481'EB' 3' 482'EB' 483'EB' 484'EB'

26'

STH 29/32 EASTBOUND

EDGE OF PAVED SHOULDER

EDGE OF CABC SHOULDER

6' 2'

SLOPE INTERCEPT

LIMIT OF WETLANDS

BASE AGGREGATE DENSE FOR SHOULDERS REQ'D.

FO FO FO FO FO FO FO

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-STH 29/STH 32	SHEET 39	E

2

2

LEGEND
LIMITS OF CONCRETE
LIMITS OF HMA PAVEMENT
XXXX XXXX SAW CUT
TREE TO BE REMOVED

LIMIT OF WETLANDS
SLOPE INTERCEPT
REMOVE CONCRETE CURB AND GUTTER
REMOVE EXISTING 24" CULVERT PIPE
LIMIT OF WETLANDS
REMOVE CONCRETE CURB AND GUTTER AND ISLAND
REMOVE CONCRETE CURB AND GUTTER
24"CMP
GUY
NET LEC
EXISTING R/W
NET LEC
SLOPE INTERCEPT
24"RCP (TO REMAIN)
BASE AGGREGATE DENSE FOR SHOULDERS REQ'D.
EDGE OF PAVED SHOULDER
2'
6'

STH 29/32 WESTBOUND
484+67.2WB
0.0'
484'WB'
485'WB'
486'WB'
487'WB'
488'WB'
489'WB'
490'WB'
26
REMOVE CONCRETE CURB AND GUTTER
REMOVE CONCRETE CURB AND GUTTER
3'
3'
EDGE OF PAVED SHOULDER
SLOPE INTERCEPT
(REMOVE) ASPHALT FLUME
REMOVE ROADWAY
BASE AGGREGATE DENSE FOR SHOULDERS REQ'D.
REMOVE EXISTING STORM SEWER
REMOVE SIDEWALK
REMOVE ROADWAY
NOTE: REMOVE ALL ROADWAY, CONCRETE CURB AND GUTTER, LIGHTING AND STORM SEWER ASSOCIATED WITH THE INTERSECTION RESTRICTION.
REMOVE CONCRETE CURB AND GUTTER
BASE AGGREGATE DENSE FOR SHOULDERS REQ'D.
REMOVE ROADWAY
REMOVE ROADWAY
REMOVE EXISTING STORM SEWER
SLOPE INTERCEPT
BASE AGGREGATE DENSE FOR SHOULDERS REQ'D.
(REMOVE) ASPHALT FLUME
EDGE OF PAVED SHOULDER
REMOVE CONCRETE CURB AND GUTTER
INL (REMOVE)
REMOVE SIDEWALK
INL (REMOVE)
INL (REMOVE)
REMOVE SIDEWALK
BASE AGGREGATE DENSE FOR SHOULDERS REQ'D.
PC: 489+83.99
484'EB'
485'EB'
486'EB'
487'EB'
488'EB'
489'EB'
490'EB'
3'
3'
EDGE OF PAVED SHOULDER
INL (REMOVE)
REMOVE CONCRETE CURB AND GUTTER
REMOVE CONCRETE CURB AND GUTTER
STH 29/32 EASTBOUND
26'
489+83.9'EB'
26.0'
6'
EDGE OF PAVED SHOULDER
2'
2'
SLOPE INTERCEPT
BASE AGGREGATE DENSE FOR SHOULDERS REQ'D.
LIMIT OF WETLANDS
WPS
REMOVE CONCRETE CURB AND GUTTER
BASE AGGREGATE DENSE FOR SHOULDERS REQ'D.
REMOVE CONCRETE CURB AND GUTTER
REMOVE CONCRETE CURB AND GUTTER AND ISLAND
LIMIT OF WETLANDS
SLOPE INTERCEPT
SLOPE INTERCEPT
CENTURYLINK
REMOVE EXISTING 24" CULVERT PIPE
24"CMP (REMOVE)
24'
3'
3'
3'
3'
HO60H
HO80H
OLD STH 29 ROAD

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-STH 29/STH 32	SHEET 40	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021201-PDEB.DWG
LAYOUT NAME - 021202 pd
PLOT DATE : 6/30/2020 12:51 PM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT

SAW CUT

TREE TO BE REMOVED

N

NET LEC

WPS

EXISTING R/W

PC: 491+51.04

SLOPE INTERCEPT

BASE AGGREGATE DENSE FOR SHOULDERS REQ'D.

2"

6"

26"

3"

3"

EDGE OF CABC SHOULDER

EDGE OF PAVED SHOULDER

490'WB'

491'WB'

492'WB'

492+35.8WB
-26.1'

493'WB'

494'WB'

494+85.5WB
0.0'

495'WB'

496'WB'

STH 29/32 WESTBOUND

INSTALL SALVAGED ENDWALL CONCRETE COLLAR REQ'D.

REMOVE ROADWAY

REMOVE EXISTING CULVERT PIPE

SALVAGE EXISTING ENDWALL

SLOPE INTERCEPT

BASE AGGREGATE DENSE FOR SHOULDERS REQ'D.

EDGE OF PAVED SHOULDER

EDGE OF CABC SHOULDER

490'EB'

491'EB'

492'EB'

493'EB'

494'EB'

495'EB'

496'EB'

STH 29/32 EASTBOUND

EDGE OF PAVED SHOULDER

EDGE OF CABC SHOULDER

CENTURYLINK

EXISTING R/W

SIGN

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-STH 29/STH 32	SHEET 41	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021201-PDEB.DWG
LAYOUT NAME - 021203 pd

PLOT DATE : 6/30/2020 12:51 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX · SAW CUT
- X TREE TO BE REMOVED

P.L.

SIGN

LIMIT OF WETLANDS

LIMIT OF WETLANDS

SLOPE INTERCEPT

EDGE OF BASE AGGREGATE DENSE SHOULDER

EDGE OF PAVED SHOULDER

EDGE OF PAVEMENT

FUTURE SNOWMOBILE TRAIL

R/W LINE

WPS

EXISTING R/W

POST OH OH OH OH OH OH OH OH OH OH OH OH OH OH

POST POST POST

3"

5"

12"

RAMP D

STH 29/32 WESTBOUND

516+03.9WB
-24.4'

519+63.9WB
-36.3'

515'WB' 516'WB' 517'WB' 518'WB' 519'WB' 520'WB' 521'WB'

DRAIN TILE (TO REMAIN)

515'EB' 516'EB' 517'EB' 518'EB' 519'EB' 520'EB' 521'EB'

STH 29/32 EASTBOUND

POST POST POST

LIMIT OF WETLANDS

18" RCCP (TO REMAIN)

FO FO FO FO FO FO FO FO FO FO FO FO FO FO

CENTURYLINK

EXISTING R/W

POST POST

2

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-STH 29/STH 32	SHEET 42	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021201-PDEB.DWG
LAYOUT NAME - 021204 pd
PLOT DATE : 6/30/2020 12:52 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

2

LEGEND

- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX SAW CUT
- X TREE TO BE REMOVED

N

APRON ENDWALL FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 48-INCH 4:1

EXTEND CULVERT, RCP 48-INCH, CONCRETE COLLAR REQ'D.

FUTURE SNOWMOBILE TRAIL

SLOPE INTERCEPT

LIMIT OF WETLANDS

R/W LINE

BP: 509+60.00

WPS

LIMIT OF WETLANDS

EDGE OF BASE AGGREGATE DENSE SHOULDER

EDGE OF PAVED SHOULDER

EDGE OF PAVEMENT

LIMIT OF WETLANDS

(TO REMAIN) 48" RCCP

3'

5'

15'

510'RD'

511'RD'

RAMP D

525+63.8WB -47.3'

525+63.9WB -24.4'

525+63.9WB -27.3'

REMOVE GUARDRAIL

522+63.9WB -36.3'

STH 29/32 WESTBOUND

521'WB' 522'WB' 523'WB' 524'WB' 525'WB' 526'WB' 527'WB'

INLET (TO REMAIN)

DRAIN TILE (TO REMAIN)

DRAIN TILE (TO REMAIN)

BP: 201+88.40

521'EB' 522'EB' 523'EB' 524'EB' 525'EB' 526'EB' 527'EB'

524+19.2'EB' 23.9'

524+69.2'EB' 23.9'

526+81.7'EB' 25.8'

526+81.7'EB' 23.9'

202'RA'

RAMP A

15'

5'

3'

STH 29/32 EASTBOUND

LIMIT OF WETLANDS

48" RCCP (TO REMAIN)

LIMIT OF WETLANDS

SLOPE INTERCEPT

CENTURYLINK

EXISTING R/W

EDGE OF BASE AGGREGATE DENSE

EDGE OF PAVED SHOULDER

EDGE OF PAVEMENT

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-STH 29	SHEET 43	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021201-PDEB.DWG
LAYOUT NAME - 021205 pd

PLOT DATE : 6/30/2020 12:52 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : ##########

2

2

LEGEND

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT

XXXX XXXX SAW CUT

TREE TO BE REMOVED

N

FUTURE SNOWMOBILE TRAIL

SLOPE INTERCEPT

MATCH LINE STA. 514+00'RD'
SEE RAMP D PLAN DETAIL

R/W LINE

WPS

OH

3'

5'

15'

514

LIMIT OF WETLANDS

RAMP D
513'RD'

1'

3'

512'RD'

511'RD'

POST

XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX

REMOVE GUARDRAIL

528+63.7WB
-24.3'

SLOPE INTERCEPT

527'WB' 528'WB' 529'WB' 530'WB' 531'WB' 532'WB' 533'WB'

STH 29/32 WESTBOUND

527'EB' 528'EB' 529'EB' 530'EB' 531'EB' 532'EB' 533'EB'

526+81.7'EB'
23.9'

529+70.0'EB'
23.7'

STH 29/32 EASTBOUND

XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX

203'RA'

204'RA'

205'RA'

18" RCCP (TO REMAIN)

PC: 205+75.83

206'RA'

SLOPE INTERCEPT

3'

1'

207'RA'

RAMP A

15'

5'

3'

LIMIT OF WETLANDS

208'RA'

WOODS

FO

CENTURYLINK

EXTEND CULVERT, RCP 18-INCH,
CONCRETE COLLAR REQ'D.

APRON ENDWALLS FOR
CULVERT PIPE REINFORCED
CONCRETE 18-INCH

EXISTING R/W

R/W LINE

SLOPE INTERCEPT

P.L.

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-STH 29/STH 32	SHEET 44	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021201-PDEB.DWG
LAYOUT NAME - 021206 pd

PLOT DATE : 6/30/2020 12:53 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

NW RAMP

517'RD'

OH

WPS

SLOPE INTERCEPT

LIMIT OF WETLANDS

LIMIT OF WETLANDS

LIMIT OF WETLANDS

30" CMCP

POST

STH 29/32 WESTBOUND

533'WB' 534'WB' 535'WB' 536'WB' 537'WB' 538'WB' 539'WB'

533'EB' 534'EB' 535'EB' 536'EB' 537'EB' 538'EB' 539'EB'

STH 29/32 EASTBOUND

SLOPE INTERCEPT

LIMIT OF WETLANDS

30" CMCP (TO REMAIN)

18" RCCP (TO REMAIN)

CENTURYLINK

FO

3'

2'

15'

5'

3'

209'RA'

RAMP A

MATCH LINE STA. 209+50'RA'
SEE RAMP A PLAN DETAIL

LIMIT OF WETLANDS

LEGEND

- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX SAW CUT
- X TREE TO BE REMOVED

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-STH 29/STH 32	SHEET 45	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021201-PDEB.DWG
LAYOUT NAME - 021207 pd

PLOT DATE : 6/30/2020 12:53 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : ##########

2

LEGEND

- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX SAW CUT
- X TREE TO BE REMOVED

SLOPE INTERCEPT

MARLEY ST.

SLOPE INTERCEPT

WPS

GUY

N

NOTE: REMOVE ALL ROADWAY, CONCRETE CURB AND GUTTER, LIGHTING AND STORM SEWER ASSOCIATED WITH THE R-CUT.

STRUCTURE B-05-0416 REQ'D.

24" CMCP (TO REMAIN)

POST

STH 29/32 WESTBOUND

540+75.0WB
0.0'

541+33.7WB
-24.0'

542+50WB
-24.0'

24'

539'WB' 540'WB' 541'WB' 542'WB' 543'WB' 544'WB' 545'WB'

STEEL THRIE BEAM BULLNOSE TERMINAL REQ'D.

STEEL THRIE BEAM REQ'D.

STEEL THRIE BEAM BULLNOSE TERMINAL REQ'D.

3' 3'

EDGE OF PAVEMENT,
EDGE OF PAVED SHOULDER
EDGE OF CABC SHOULDER

EDGE OF CABC SHOULDER
EDGE OF PAVED SHOULDER
EDGE OF PAVEMENT

BASE AGGREGATE DENSE FOR SHOULDERS REQ'D.

BASE AGGREGATE DENSE FOR SHOULDERS REQ'D.

REMOVE ROADWAY

539'EB' 540'EB' 541'EB' 542'EB' 543'EB' 544'EB' 545'EB'

3' 3'

SLOPE INTERCEPT

WPS

STH 29/32 EASTBOUND

540+75.0'EB'
0.0'

541+20.0'EB'
26.0'

544+05.3'EB'
0.0'

543+75.0'EB'
26.0'

26'

STEEL THRIE BEAM REQ'D.
REMOVE EXISTING LIGHT POLE

6'

2'

BASE AGGREGATE DENSE FOR SHOULDERS REQ'D.

REMOVE ROADWAY

LIMIT OF WETLANDS

EDGE OF CABC SHOULDER

EDGE OF PAVED SHOULDER

18" RCCP
REMOVE

24" CMCP (TO REMAIN)

CENTURYLINK

FO

POST

SLOPE INTERCEPT

CTH VV

SLOPE INTERCEPT

LIMIT OF WETLANDS

SLOPE INTERCEPT

LIMIT OF WETLANDS

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-STH 29/STH 32	SHEET 46	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021201-PDEB.DWG
LAYOUT NAME - 021208 pd

PLOT DATE : 6/30/2020 12:53 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

LEGEND

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT

XXXX XXXX SAW CUT

X TREE TO BE REMOVED

N

WPS OH OH OH OH GUY

POST POST POST

STH 29/32 WESTBOUND

545'WB' 546'WB' 547'WB' 548'WB' 549'WB' 550'WB' 551'WB'

3' 3'

547+64.9WB
-0.2'

EDGE OF CABC SHOULDER

EDGE OF PAVED SHOULDER

EDGE OF PAVEMENT

REMOVE ROADWAY

BASE AGGREGATE DENSE FOR SHOULDERS REQ'D.

SLOPE INTERCEPT

WPS

545'EB' 546'EB' 547'EB' 548'EB' 549'EB' 550'EB' 551'EB'

E E E E E E E E E E E E E

STH 29/32 EASTBOUND

POST POST

18" RCCP
(TO REMAIN)

LIMIT OF WETLANDS

LIMIT OF WETLANDS

REMOVE GUARDRAIL

CENTURYLINK

FO FO FO FO FO FO FO FO FO FO

IP POST

REMOVE ROADWAY

EXISTING R/W

REMOVE CUL-DE-SAC

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-STH 29/STH 32	SHEET 47	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021201-PDEB.DWG
LAYOUT NAME - 021209 pd

PLOT DATE : 6/30/2020 12:54 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

LEGEND

- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX SAW CUT
- X TREE TO BE REMOVED

MATCH LINE STA. 410+00'RC'
SEE RAMP C PLAN DETAIL

FUTURE SNOWMOBILE TRAIL

N

PT: 411+04.69

3' 5' 15' 1' 3'

RAMP C

411'RC' 412'RC' 413'RC' 414'RC'

EP: 414+47.50

STH 29/32 WESTBOUND

551'WB' 552'WB' 553'WB' 554'WB' 555'WB' 556'WB' 557'WB'

SLOPE INTERCEPT

553+90.0WB
-24.2'

555+99.2WB
0.0'

BASE AGGREGATE DENSE FOR SHOULDERS REQ'D.

24'

REMOVE EXISTING LIGHT POLE

REMOVE ROADWAY

INL (REM.)

18" RCCP (REMOVE)

WPS

551'EB' 552'EB' 553'EB' 554'EB' 555'EB' 556'EB' 557'EB'

STH 29/32 EASTBOUND

552+29.6'EB'
0.0'

554+09.6'EB'
23.9'

SLOPE INTERCEPT

BASE AGGREGATE DENSE FOR SHOULDERS REQ'D.

24'

311'RB' 312'RB' 313'RB' 315'RB'

POST

LIMIT OF WETLANDS

RAMP B

MATCH LINE STA. 311+00'RB'
SEE RAMP B PLAN DETAIL

FO CENTURYLINK

EP: 315+15.26

SLOPE INTERCEPT

GUY

LIMIT OF WETLANDS

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-STH 29/STH 32	SHEET 48	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021201-PDEB.DWG
LAYOUT NAME - 021210 pd

PLOT DATE : 6/30/2020 12:54 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

LEGEND
- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX SAW CUT
- TREE TO BE REMOVED

REMOVE ASPHALT FLUME
(REMOVE) 18" RCCP
FUTURE SNOWMOBILE TRAIL
REMOVE CONCRETE CURB AND GUTTER
EP: 414+47.50
REMOVE ROADWAY
REMOVE ASPHALT FLUME
LIMIT OF WETLANDS
SLOPE INTERCEPT
18" CMCP (TO REMAIN)
NET LEC
REMOVE CONCRETE CURB AND GUTTER
REMOVE EXISTING LIGHT POLE
LIMIT OF WETLANDS
EDGE OF CABC SHOULDER
EDGE OF PAVED SHOULDER
EDGE OF PAVEMENT
24" CMCP (TO REMAIN)
REMOVE ROADWAY
REMOVE CONCRETE CURB AND GUTTER AND ISLAND
WPS
GUY
POST
OH
FO
EL
E
T
G

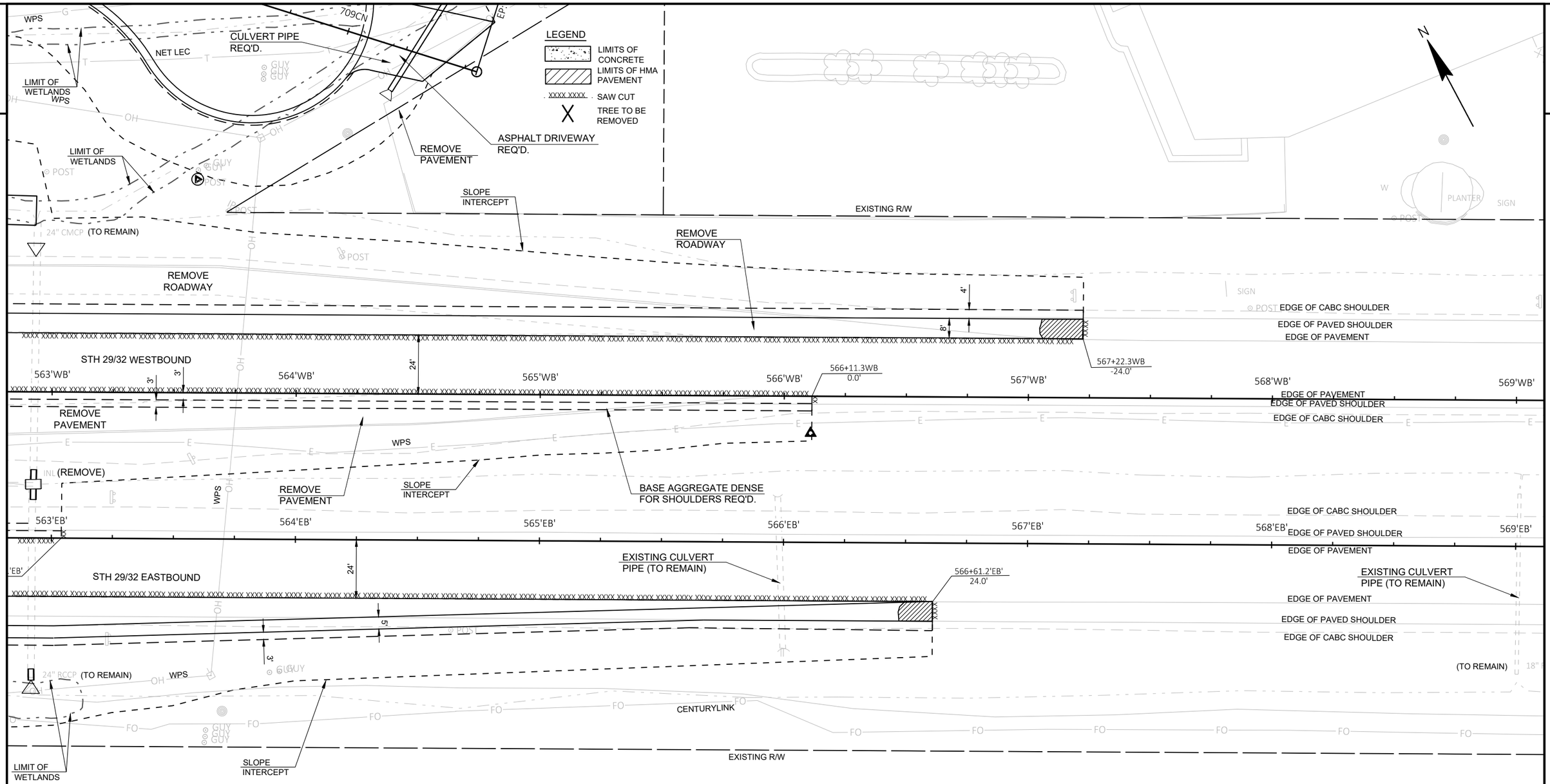
STH 29/32 WESTBOUND
557'WB' 558'WB' 559'WB' 560'WB' 561'WB' 562'WB' 563'WB'
558+93.1WB
-24.2'
24'
8'
4'
3'
REMOVE CONCRETE CURB AND GUTTER
REMOVE EXISTING STORM SEWER
REMOVE EXISTING LIGHT POLE
REMOVE CONCRETE CURB AND GUTTER
(REMOVE)
INL
REMOVE PAVEMENT
BASE AGGREGATE DENSE FOR SHOULDERS REQ'D.
REMOVE EXISTING STORM SEWER
REMOVE EXISTING LIGHT POLE
REMOVE PAVEMENT
REMOVE ASPHALT FLUME
18" RCP
INL (REM.)

STH 29/32 EASTBOUND
557'EB' 558'EB' 559'EB' 560'EB' 561'EB' 562'EB' 563'EB'
563+04.1'EB'
0.0'
REMOVE CONCRETE CURB AND GUTTER
BASE AGGREGATE DENSE FOR SHOULDERS REQ'D.
REMOVE CONCRETE CURB AND GUTTER
REMOVE ASPHALT FLUME
REMOVE PAVEMENT
REMOVE CONCRETE CURB AND GUTTER AND ISLAND
REMOVE ROADWAY
EP: 315+15.26
3" RCCP (TO REMAIN)
REMOVE EXISTING LIGHT POLE
REMOVE CONCRETE CURB AND GUTTER
REMOVE ROADWAY
REMOVE CONCRETE CURB AND GUTTER
(TO REMAIN) 24" RCCP
SLOPE INTERCEPT
LIMIT OF WETLANDS
789'XT'
CENTURYLINK
EDGE OF CABC SHOULDER
EDGE OF PAVED SHOULDER
EDGE OF PAVEMENT
LIMIT OF WETLANDS
EXISTING R/W
SLOPE INTERCEPT
MATCH LINE STA. 788+50'XT'
SEE TRIANGLE DR. PLAN DETAILS
CTH VV
EXISTING R/W
REMOVE EXISTING CULVERT PIPE

NOTE: REMOVE ALL ROADWAY, CONCRETE CURB AND GUTTER, AND STORM SEWER ASSOCIATED WITH THE CTH VV INTERSECTION.

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-STH 29/STH 32	SHEET 49	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021201-PDEB.DWG
LAYOUT NAME - 021211 pd
PLOT DATE : 6/30/2020 12:55 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : ##########



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-STH 29/STH 32	SHEET 50	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021201-PDEB.DWG
LAYOUT NAME - 021212 pd

PLOT DATE : 6/30/2020 12:55 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

LEGEND

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT

XXXX XXXX SAW CUT

TREE TO BE REMOVED

N

P.L.

P.L.

SIGN

SIGN

SIGN

EXISTING R/W

POST

STH 29/32 WESTBOUND

569'WB' 570'WB' 571'WB' 572'WB' 573'WB' 574'WB' 575'WB'

E E E E E E E E E E E E E

WPS

EXISTING CULVERT PIPE (TO REMAIN)

SLOPE INTERCEPT

BASE AGGREGATE DENSE FOR SHOULDERS REQ'D.

REMOVE ROADWAY

569'EB' 570'EB' 571'EB' 572'EB' 573'EB' 574'EB' 575'EB'

572+68.7'EB' -3.0'

STH 29/32 EASTBOUND

POST

18" RCCP (TO REMAIN)

FO FO FO FO FO FO FO FO FO FO FO FO FO

CENTURYLINK

POST POST

EXISTING R/W

WOODS

P.L.

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-STH 29/STH 32	SHEET 51	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021201-PDEB.DWG
LAYOUT NAME - 021213 pd

PLOT DATE : 6/30/2020 12:56 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

LEGEND

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT

XXXX XXXX SAW CUT

TREE TO BE REMOVED

P.L.

SLOPE INTERCEPT

EXISTING R/W

SIGN

ASPHALT

REMOVE EXISTING CULVERT PIPE

APRON ENDWALL CULVERT PIPE SALVAGED 30-INCH CONCRETE COLLAR REQ'D.

WPS

G

EXISTING R/W

REMOVE ROADWAY

30" RCCP (TO REMAIN)

EXISTING CULVERT PIPE (TO REMAIN)

NOTE: REMOVE ALL ROADWAY, CONCRETE CURB AND GUTTER, AND STORM SEWER ASSOCIATED WITH THE R-CUT.

BASE AGGREGATE DENSE FOR SHOULDERS REQ'D.

8"

2"

EDGE OF CABC SHOULDER

EDGE OF PAVED SHOULDER

EDGE OF PAVEMENT

576+49.1WB -32.0'

579+54.8WB -32.0'

575'WB' 576'WB' 577'WB' 578'WB' 579'WB' 580'WB' 581'WB'

576+49.1WB 3.0'

579+54.8WB 3.0'

STH 29/32 WESTBOUND

E

18" CMCP (REMOVE)

REMOVE EXISTING LIGHT POLE

(REMOVE) 18" CMCP

MH (REMOVE)

REMOVE ROADWAY

SLOPE INTERCEPT

BASE AGGREGATE DENSE FOR SHOULDERS REQ'D.

575'EB' 576'EB' 577'EB' 578'EB' 579'EB' 580'EB' 581'EB'

579+54.9'EB' -3.0'

END PROJECT STA. 579+55'EB'

STH 29/32 EASTBOUND

POST

EXISTING CULVERT PIPE (TO REMAIN)

30" RCCP (TO REMAIN)

FO

CENTURYLINK

WOODS

EXISTING R/W

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-STH 29/STH 32	SHEET 52	E

2

LEGEND

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT

XXXX XXXX SAW CUT

TREE TO BE REMOVED

N

CAUTION

BURIED GAS LINE (APPROXIMATE LOCATION)

BURIED FIBER OPTIC LINE (APPROXIMATE LOCATION)

BURIED TELEPHONE LINE (APPROXIMATE LOCATION)

BURIED ELECTRIC CABLE (APPROXIMATE LOCATION)

EXISTING R/W

LIMIT OF WETLANDS

SLOPE INTERCEPT

EDGE OF CABC SHOULDER

EDGE OF PAVED SHOULDER

EDGE OF PAVEMENT

ONEIDA NATION

PC: 102+08.63

18"CMP (TO REMAIN)

NET LEC

WPS

CONSTRUCTION LIMITS STA. 100+00'OH'

EXISTING CTH U

N. COUNTY LINE RD.

98'OH'

99'OH'

100'OH'

101'OH'

102'OH'

103'OH'

703'XCL'

104'OH'

704'XCL'

P.L

ASPH PE

ASPH CE

SEPTIC

H

SV

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAILS WITH REMOVAL-OLD HIGHWAY 29 ROAD	SHEET 53	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021201-PDU.DWG
LAYOUT NAME - 021215 pd

PLOT DATE : 6/30/2020 12:58 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX SAW CUT
- TREE TO BE REMOVED

EXISTING R/W

BURIED ELECTRIC CABLE (APPROXIMATE LOCATION)

NET LEC

BURIED FIBER OPTIC LINE (APPROXIMATE LOCATION)

WPS

EXISTING R/W

NET LEC

REMOVE ROADWAY

EXISTING OLD HIGHWAY 29 RD.

720'HOX'

719'HOX'

718'HOX'

717'HOX'

716'HOX'

721'HOX'

LIMIT OF WETLANDS

REMOVE CONCRETE CURB AND GUTTER

SLOPE INTERCEPT

LIMIT OF WETLANDS

EDGE OF CABC SHOULDER

EDGE OF PAVED SHOULDER

EDGE OF PAVEMENT

722'HOX'

OLD HIGHWAY 29 RD.

104'OH'

704'XCL'

105'OH'

106'OH'

107'OH'

108'OH'

109'OH'

110'OH'

EXISTING CTH U

N. COUNTY LINE RD.

705'XCL'

REMOVE ROADWAY

706'XCL'

24"CMP

REMOVE

GUY

WPS

EDGE OF PAVEMENT

EDGE OF CABC SHOULDER

EDGE OF PAVED SHOULDER

BURIED FIBER OPTIC LINE (APPROXIMATE LOCATION)

SLOPE INTERCEPT

SLOPE INTERCEPT

SLOPE INTERCEPT

CENTURYLINK

LIMIT OF WETLANDS

BURIED ELECTRIC CABLE (APPROXIMATE LOCATION)

SEE PLAN DETAILS FOR STH 29

2

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-OLD HIGHWAY 29 ROAD	SHEET 54	E

2

BURIED ELECTRIC CABLE
(APPROXIMATE LOCATION)

P.L.

EXISTING R/W

N

LEGEND

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT

XXXX XXXX SAW CUT

TREE TO BE REMOVED

LIMIT OF WETLANDS

LIMIT OF WETLANDS

42"X60"CMP

CABC
PE

WALL

EDGE OF CABC SHOULDER

EDGE OF PAVED SHOULDER

EDGE OF PAVEMENT

BURIED FIBER OPTIC LINE
(APPROXIMATE LOCATION)

716'OH'

715'OH'

714'OH'

3'

3'

12'

12'

3'

3'

110'OH'

111'OH'

112'OH'

REMOVE ROADWAY

113'OH'

114'OH'

OLD HIGHWAY 29 RD.

115'OH'

ONEIDA NATION

EP: 115+39.80

XXXX XXXX

CONSTRUCTION LIMITS
STA. 113+50'OH'

EDGE OF CABC SHOULDER

EDGE OF PAVED SHOULDER

EDGE OF PAVEMENT

SLOPE
INTERCEPT

BURIED FIBER OPTIC LINE
(APPROXIMATE LOCATION)

EXISTING R/W

CENTURYLINK

EXISTING R/W

SEE PLAN DETAILS
FOR STH 29

2

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-OLD HIGHWAY 29 ROAD	SHEET 55	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021201-PDU.DWG
LAYOUT NAME - 021217 pd

PLOT DATE : 6/30/2020 12:59 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- OBLITERATING OLD ROAD
- XXXX XXXX SAW CUT
- X TREE TO BE REMOVED

SEE PLAN DETAILS
FOR STH 29

N

BURIED ELECTRIC CABLE
(APPROXIMATE LOCATION)

WPS

EXISTING R/W

OBLITERATING
OLD ROAD

LIMIT OF
WETLANDS

SLOPE
INTERCEPT

710'XCL'

711'XCL'

712'XCL'

713'XCL'

EXISTING CTH U
COUNTY LINE RD.

LIMIT OF
WETLANDS

NET LEC

EXISTING R/W

BURIED FIBER OPTIC LINE
(APPROXIMATE LOCATION)

BURIED TELEPHONE LINE
(APPROXIMATE LOCATION)

NET LEC

EXISTING R/W

2

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-CTH U	SHEET 56	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021201-PDU.DWG
LAYOUT NAME - 021218 pd

PLOT DATE : 6/30/2020 12:59 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- OBLITERATING OLD ROAD
- XXXX XXXX SAW CUT
- X TREE TO BE REMOVED

N

EXISTING R/W

CAUTION

BURIED GAS LINE
(APPROXIMATE LOCATION)

GLENDALE AVE.

LIMIT OF WETLANDS

BURIED TELEPHONE CABLE
(APPROXIMATE LOCATION)

NET LEC

NET LEC

LIMIT OF WETLANDS

DITCH TO MAINTAIN DRAINAGE

EXISTING R/W

OBLITERATING OLD ROAD

717XCL

716XCL

715XCL

EXISTING CTH U
COUNTY LINE RD.

714XCL

713XCL

CTH U

18"CMP

CABC
CE

(REMOVE)
21"CMP

REMOVE CULVERT
PIPE

BURIED TELEPHONE CABLE
(APPROXIMATE LOCATION)

NET LEC

NET LEC

EXISTING R/W

BURIED FIBER OPTIC LINE
(APPROXIMATE LOCATION)

EXISTING R/W

BURIED TELEPHONE CABLE
(APPROXIMATE LOCATION)

GLENDALE AVE.

EXISTING R/W

EXISTING R/W

18"CMP

ASPH
CE

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-CTH U	SHEET 57	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021201-PDU.DWG
LAYOUT NAME - 021219 pd

PLOT DATE : 6/30/2020 1:00 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT

XXXX XXXX SAW CUT

X TREE TO BE REMOVED

N

EXISTING R/W

WPS

CTH VV

EXISTING R/W

WPS

CABC FE

18" RCCP

BURIED GAS LINE (APPROXIMATE LOCATION)

CONSTRUCTION LIMITS STA. 27+00'NB'

RECONSTRUCT FE STA. 28+90'NB'

ASPHALTIC FLUME REQUIRED

EDGE OF CABC SHOULDER

EDGE OF PAVED SHOULDER

EDGE OF PAVEMENT

SLOPE INTERCEPT

R/W LINE

3'

5'

12'

28'SB'
28'NB'

29'

29'

27'NB'

MATCH LINE STA. 29+00'NB'

SIGN

SIGN

SIGN

SLOPE INTERCEPT

R/W LINE

CABC FE

EDGE OF PAVEMENT

EDGE OF CABC SHOULDER

EDGE OF PAVED SHOULDER

ASPHALTIC FLUME REQUIRED

RECONSTRUCT FE STA. 28+26'NB' 1-21"X15" CP REQ'D.

BARN

BARN

BEGIN CONCRETE CURB AND GUTTER STA. 27+90'NB'

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQ'D.

2

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-CTH VV	SHEET 58	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021202-PDVV.DWG
LAYOUT NAME - 021220 pd

PLOT DATE : 6/30/2020 4:17 PM PLOT BY : SEIBERT, CHELSEA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND
LIMITS OF CONCRETE
LIMITS OF HMA PAVEMENT
XXXX XXXX SAW CUT
TREE TO BE REMOVED

RECONSTRUCT FE
STA. 11+76'CA'

SLOPE INTERCEPT

T.L.E.

INV. ELEV.=740.39
Y = 589246.286
X = 58027.247

N

CONCRETE DRIVEWAY
6-INCH REQ'D.

CONCRETE CURB AND GUTTER
18-INCH TYPE A REQ'D.
(REVERSE SLOPE)

R/W LINE

CONCRETE TRUCK APRON 12-INCH
COLORING CONCRETE WISDOT RED
COLORED AND STAMPED
CONCRETE 4-INCH

CONCRETE SIDEWALK
4-INCH REQ'D

CONCRETE CURB AND GUTTER
4-INCH SLOPED
36-INCH TYPE R REQ'D.

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D.

CTH VV SOUTHBOUND
CONSTRUCTION R/L

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D.

COLORED AND STAMPED
CONCRETE 4-INCH

STEEL CASING PIPE
20-INCH REQ'D.

LIMIT OF WETLANDS

RECONSTRUCT PE
STA. 29+24'NB'

SLOPE INTERCEPT

R/W LINE

CONCRETE SIDEWALK
4-INCH REQ'D

P.L.

ASPHALT

WELL

CABC

HSE

OH

WPS

12"CA

11"CA

13"CA

LANDSCAPE AREA
(SEE PLANTING DETAIL)

10'

8'

9.5'

5'

12'

35'

31'SB'

31'NB'

30'SB'

30'NB'

34'SB'

34'NB'

REMOVE EXISTING
ASPHALT PAVEMENT

CTH VV

CONCRETE MEDIAN NOSE
TYPE 1 REQ'D.
(REMOVE)

18" RCCP

MATCH LINE STA. 29+00'NB'

MATCH LINE STA. 35+00'NB'

CONCRETE SIDEWALK
4-INCH REQ'D

COLORED AND STAMPED
CONCRETE 4-INCH

CONCRETE SIDEWALK
4-INCH REQ'D

COLORED AND STAMPED
CONCRETE 4-INCH

R/W LINE

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D.

SLOPE INTERCEPT

RECONSTRUCT PE
STA. 29+20'NB'

CAUTION

BURIED GAS LINE
(APPROXIMATE LOCATION)

CTH VV NORTHBOUND
CONSTRUCTION R/L

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D.

CONCRETE SIDEWALK
4-INCH REQ'D

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D.

CTH TS

R/W LINE

T.L.E. LINE

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D.

MATCH LINE STA. 101+00'CE'

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-CTH VV	SHEET 59	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021202-PDVV.DWG
LAYOUT NAME - 021221 pd

PLOT DATE : 6/30/2020 1:02 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT

XXXX XXXX SAW CUT

TREE TO BE REMOVED

R/W LINE

R/W LINE

SLOPE INTERCEPT

CTH VV SOUTHBOUND CONSTRUCTION R/L

MATCH LINE STA. 35+00'NB'

35'SB'

35'NB'

36'SB'

36'NB'

37'SB'

37'NB'

38'SB'

38'NB'

39'SB'

39'NB'

40'SB'

40'NB'

CTH VV

CONCRETE SIDEWALK 4-INCH REQ'D.

CONCRETE SIDEWALK 4-INCH REQ'D

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQ'D

MATCH LINE STA. 40+50'NB'

5'

9.5'

12'

7'

STEEL CASING PIPE 20-INCH REQ'D.

WPS

OH

RCCP (REM.)

SLOPE INTERCEPT

REMOVE EXISTING CULVERT PIPE

REMOVE FIELD ENTRANCE

CABC FE

769'XT'

INV. ELEV.=738.87
Y = 589143.032
X = 58392.950

R/W LINE

EXISTING CTH VV (TRIANGLE DRIVE)

REMOVE EXISTING ASPHALT PAVEMENT

CONCRETE SIDEWALK 4-INCH REQ'D

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQ'D

CTH VV NORTHBOUND CONSTRUCTION R/L

MATCH LINE STA. 770+00'XT'
SEE TRIANGLE DRIVE PLAN DETAILS

DETENTION POND

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-CTH VV	SHEET 60	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021202-PDVV.DWG
LAYOUT NAME - 021222 pd

PLOT DATE : 6/30/2020 1:02 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX SAW CUT
- X TREE TO BE REMOVED

LIMIT OF WETLANDS

MATCH LINE STA. 215+50'RA'
SEE RAMP A PLAN DETAIL

CONCRETE CURB AND GUTTER
30-INCH TYPE A REQ'D

CONCRETE CURB AND GUTTER
4-INCH SLOPED
36-INCH TYPE A REQ'D.
(EXTEND TO FLUME)

SLOPE INTERCEPT

CONCRETE TRUCK APRON 12-INCH
COLORING CONCRETE WISDOT RED

CONCRETE CURB
PEDESTRIAN 6-INCH REQ'D.

CONCRETE SIDEWALK
4-INCH REQ'D

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D

CTH VV SOUTHBOUND
CONSTRUCTION R/L

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D

COLORED AND STAMPED
CONCRETE 4-INCH

RAMP A

216RA

CONCRETE CURB AND GUTTER
4-INCH SLOPED
36-INCH TYPE R REQ'D

SLOPE INTERCEPT

NOTE:
SEE PLAN DETAILS FOR
REMOVALS ALONG STH 29

STH 29/STH 32 EASTBOUND

CONCRETE TRUCK APRON 12-INCH
COLORING CONCRETE WISDOT RED

18" RCCP
(REMOVE)

STRUCTURE B-05-0416 REQ'D.

CONCRETE SIDEWALK
4-INCH REQ'D

CONCRETE CURB AND GUTTER
30-INCH TYPE A REQ'D

CONCRETE PAVEMENT
APPROACH SLAB REQ'D.

CONCRETE PAVEMENT
9-INCH REQ'D

MATCH LINE STA. 40+50'NB'

MATCH LINE STA. 46+00'NB'

CTH VV

41'SB'

41'NB'

45'SB'

45'NB'

44'SB'

44'NB'

LANDSCAPE AREA
(SEE PLANTING DETAILS)

CONCRETE SIDEWALK
4-INCH REQ'D

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D

CONCRETE CURB AND GUTTER
30-INCH TYPE A REQ'D.

COLORED AND STAMPED
CONCRETE 4-INCH

CONCRETE SIDEWALK
4-INCH REQ'D

RAMP B

ASPHALTIC
FLUME REQ'D.

ASPHALTIC
FLUME REQ'D.

MATCH LINE STA. 301+00'RB'
SEE RAMP B PLAN DETAIL

CTH VV NORTHBOUND
CONSTRUCTION R/L

CONCRETE CURB AND GUTTER
30-INCH TYPE A REQ'D

COLORED AND STAMPED
CONCRETE 4-INCH

CONCRETE CURB AND GUTTER
18-INCH TYPE A REQ'D.
(REVERSE SLOPE)

CONCRETE PAVEMENT
APPROACH SLAB REQ'D.

CONCRETE SIDEWALK
4-INCH REQ'D

SLOPE INTERCEPT

LIMIT OF WETLANDS

LIMIT OF WETLANDS

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-CTH VV	SHEET 61	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021202-PDVV.DWG
LAYOUT NAME - 021223 pd

PLOT DATE : 6/30/2020 1:03 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND
- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX SAW CUT
- TREE TO BE REMOVED

STRUCTURE B-05-0416 REQ'D.

NOTE:
SEE PLAN DETAILS FOR REMOVALS ALONG STH 29

STH 29/STH 32 WESTBOUND

MATCH LINE STA. 46+00'NB'

MATCH LINE STA. 524+75'RD'
SEE RAMP D PLAN DETAIL

MATCH LINE STA. 52+00'NB'

MATCH LINE STA. 401+00'RC'
SEE RAMP C PLAN DETAIL

MARLEY ST.

RAMP D

RAMP C

LANDSCAPE AREA
(SEE PLANTING DETAILS)

SLOPE INTERCEPT

LIMIT OF WETLANDS

ASPHALTIC FLUME REQ'D.

FUTURE SNOWMOBILE TRAIL

R/W LINE

CONCRETE CURB AND GUTTER
30-INCH TYPE A REQ'D

CONCRETE CURB AND GUTTER
4-INCH SLOPED
36-INCH TYPE R REQ'D

CONCRETE CURB AND GUTTER
30-INCH TYPE A REQ'D

COLORED AND STAMPED
CONCRETE 4-INCH

CONCRETE SIDEWALK
4-INCH REQ'D

CONCRETE TRUCK APRON 12-INCH
COLORING CONCRETE WISDOT RED

CONCRETE PAVEMENT
9-INCH REQ'D

CONCRETE PAVEMENT
APPROACH SLAB REQ'D.

CONCRETE CURB
PEDESTRIAN 6-INCH REQ'D.

CONCRETE CURB AND GUTTER
4-INCH SLOPED
36-INCH TYPE A REQ'D.
(EXTEND TO FLUME)

CTH VV SOUTHBOUND
CONSTRUCTION R/L

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D

CONCRETE CURB AND GUTTER
4-INCH SLOPED
36-INCH TYPE D REQ'D.

10' TAPER

CONCRETE CURB AND GUTTER
30-INCH TYPE A REQ'D

CONCRETE SIDEWALK
4-INCH REQ'D

CTH VV NORTHBOUND
CONSTRUCTION R/L

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D

CONCRETE CURB AND GUTTER
18-INCH TYPE A REQ'D.
(REVERSE SLOPE)

CONCRETE CURB AND GUTTER
30-INCH TYPE A REQ'D

CONCRETE CURB
PEDESTRIAN 6-INCH REQ'D.

CONCRETE CURB AND GUTTER
4-INCH SLOPED
36-INCH, TYPE A REQ'D.

CONCRETE TRUCK APRON 12-INCH
COLORING CONCRETE WISDOT RED

CONCRETE CURB AND GUTTER
4-INCH SLOPED
36-INCH TYPE A REQ'D.
(EXTEND TO FLUME)

NET LEC

NET LEC

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-MARLEY ST.	SHEET 62	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021202-PDVV.DWG
LAYOUT NAME - 021224 pd
PLOT DATE : 6/30/2020 1:03 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX SAW CUT
- TREE TO BE REMOVED

CAUTION

N

R/W LINE

SLOPE INTERCEPT

PROPOSED TREELINE

FUTURE SNOWMOBILE TRAIL

R/W LINE

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQ'D

MATCH LINE STA. 58+00'NB'

CTH VV SOUTHBOUND CONSTRUCTION R/L

CONCRETE SIDEWALK 4-INCH REQ'D

MATCH LINE STA. 52+00'NB'

9.5' 5' 12' 7' 12' 5' 9.5' 5'

52'SB' 53'SB' 54'SB' 55'SB' 56'SB' 57'SB' 58'

53'NB' 54'NB' 55'NB' 56'NB' 57'NB'

MARLEY ST.

ATC

CONCRETE SIDEWALK 4-INCH REQ'D

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQ'D

NET LEC

NET LEC

MARLEY ST.

REMOVE ROADWAY

EXISTING R/W

CAUTION

SLOPE INTERCEPT

LIMIT OF WETLANDS

NET LEC

R/W LINE

CTH VV NORTHBOUND CONSTRUCTION R/L

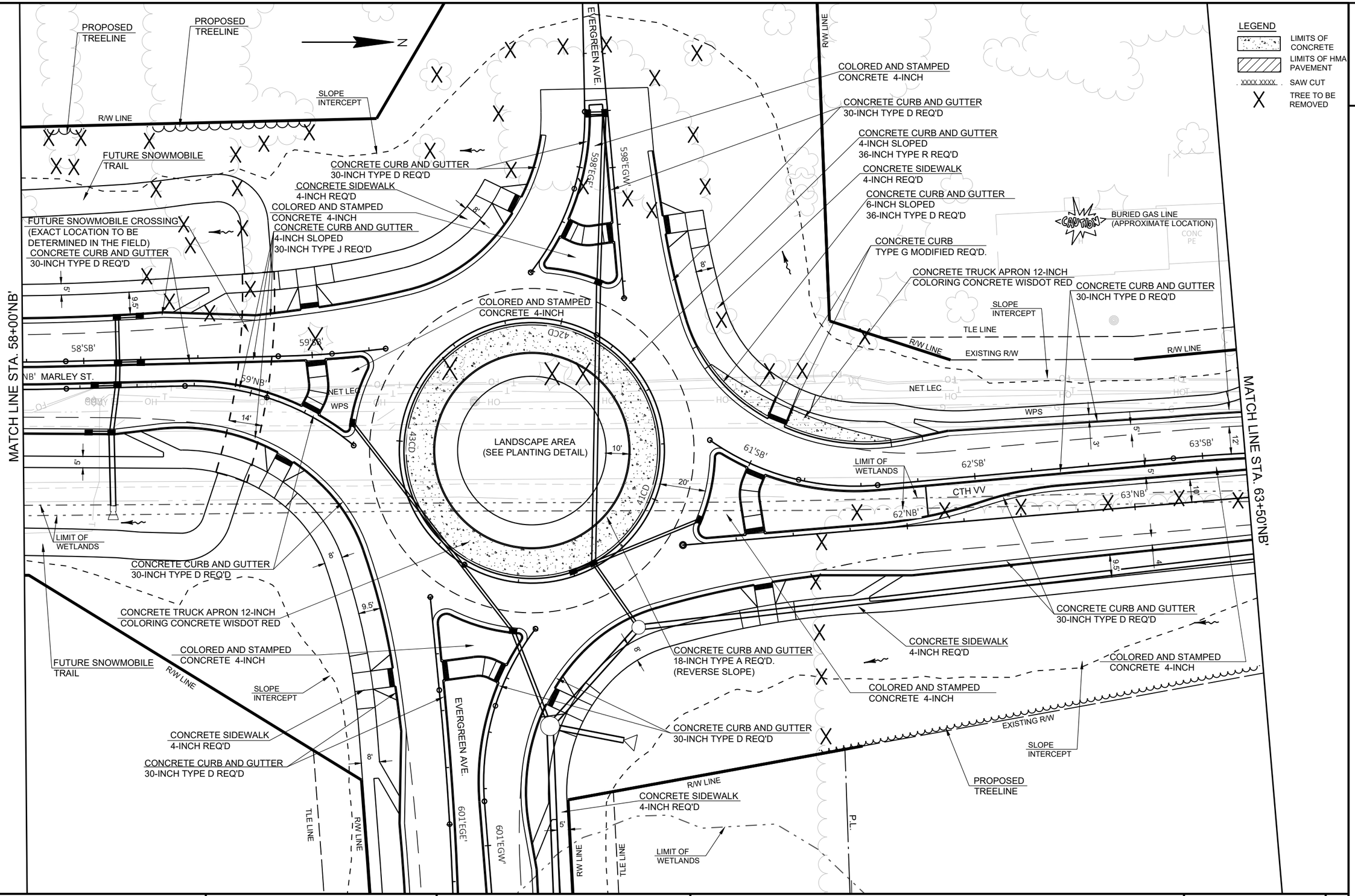
FUTURE SNOWMOBILE TRAIL

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-MARLEY ST.	SHEET 63	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021202-PDVV.DWG
LAYOUT NAME - 021225 pd

PLOT DATE : 6/30/2020 1:04 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-MARLEY ST.	SHEET 64	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021202-PDVV.DWG
LAYOUT NAME - 021226 pd
PLOT DATE : 6/30/2020 1:04 PM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA. 63+50NB

MILLWOOD CT.

798'M'

799'M'

EXISTING R/W

NET LEC

CONSTRUCTION LIMITS
STA. 798+25'M'

ASPHALTIC
FLUME REQ'D.

STA. 64+04.14'NB' MARLEY ST.=
STA. 800+00.00'M' MILLWOOD CT.

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D

CONCRETE MEDIAN NOSE
TYPE 1 REQ'D.

ASPHALTIC SURFACE FOR
DRIVEWAYS MEDIAN

CONCRETE SIDEWALK
4-INCH REQ'D.

REMOVE
FENCE

TLE LINE

R/W LINE

STA BACK = 64+95.14

STA AHEAD = 65+25.00

REMOVE EXISTING
ROADWAY

SLOPE
INTERCEPT

CTH VV SOUTHBOUND
CONSTRUCTION R/L

LIMIT OF
WETLANDS

EXISTING R/W

NET LEC

WPS

QWEST
NET LEC

(TO REMAIN)

15'

15'

18"CMP
(REM.)

REMOVE EXISTING
CULVERT PIPE

64'SB'

65'SB'

66'SB'

67'SB'

68'SB'

69'SB'

MARLEY ST.

16'

64'NB'

65'NB'

66'NB'

67'NB'

68'NB'

69'NB'

REMOVE EXISTING
CULVERT PIPE

REMOVE EXISTING
CULVERT PIPE

TLE LINE

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D

RECONSTRUCT PE
STA. 64+50'NB'

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D
(REVERSE SLOPE)

PROPOSED
TREELINE

SLOPE
INTERCEPT

CONSTRUCTION LIMITS
STA. 66+00'NB'

LIMIT OF
WETLANDS

CTH VV NORTHBOUND
CONSTRUCTION R/L

EXISTING R/W

PROPOSED
TREELINE

CONCRETE MEDIAN NOSE
TYPE 1 REQ'D.

PROPOSED
TREELINE

CONCRETE DRIVEWAY
6-INCH REQ'D.

RECONSTRUCT FE
STA. 63+91'NB'

COLORED AND STAMPED
CONCRETE 4-INCH

EXISTING R/W

END CONCRETE CURB AND GUTTER
STA. 65+25NB LT. AND RT.

LEGEND

- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX SAW CUT
- X TREE TO BE REMOVED

N

NOTE:
DO NOT INSTALL MEDIAN CURB AND GUTTER AND THE UPPER LAYER OF HMA IN 2021 NORTH OF MILLWOOD COURT. INSTALL IN 2022 IN COORDINATION WITH PROJECT 9269-00-13 MARLEY STREET.

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-MARLEY ST.	SHEET 65	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021202-PDVV.DWG
LAYOUT NAME - 021227 pd

PLOT DATE : 6/30/2020 4:33 PM PLOT BY : SEIBERT, CHELSEA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

535+00

STH 29/32 EASTBOUND

18" RCCP

FO

POST

QWEST

LIMIT OF WETLANDS

MATCH LINE STA. 209+50'RA'
SEE STH 29 PLAN DETAIL

PT: 209+62.36

SLOPE INTERCEPT

CONCRETE CURB AND GUTTER
30-INCH TYPE A REQ'D

ASPHALTIC FLUME
REQUIRED

PT: 215+04.22

MATCH LINE STA. 215+50'RA'
SEE CTH VV PLAN DETAIL

210'RA'

211'RA'

RAMP A

PC: 212+10.46

212'RA'

213'RA'

214'RA'

215'RA'

1'

3'

15'

5'

3'

15'

6'

R/W LINE

SLOPE INTERCEPT

LEGEND

- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX SAW CUT
- X TREE TO BE REMOVED

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-RAMP A	SHEET 66	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021208-PDRA.DWG
LAYOUT NAME - 021229 pd

PLOT DATE : 6/30/2020 1:06 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT

SAW CUT

TREE TO BE REMOVED

MATCH LINE STA. 301+00'RB'
SEE CTH VV RAMP PLAN DETAIL

MATCH LINE STA. 306+00'RB'

PT: 302+79.89

302'RB'

303'RB'

304'RB'

305'RB'

306

RAMP B

15'

5'

3'

1'

3'

SLOPE INTERCEPT

PROPOSED TREELINE

SLOPE INTERCEPT

R/W LINE

FO

QWEST

POST

SHED

SHED

G

ASPHALT

N

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-RAMP B	SHEET 67	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021209-PDRB.DWG
LAYOUT NAME - 021230 pd

PLOT DATE : 6/30/2020 1:08 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

549'EB'
550'EB'
551'EB'
552'EB'
WPS
STH 29 EASTBOUND
NET LEC
18" RCCP
(TO REMAIN)
REMOVE GUARDRAIL
LIMIT OF
WETLANDS
QWEST
SLOPE
INTERCEPT
LIMIT OF
WETLANDS
PC: 308+63.24
REMOVE ROADWAY
310'RB'
309'RB'
308'RB'
307'RB'
RAMP B
1'
3'
15'
5'
3'
MATCH LINE STA. 306+00'RB'
NET LEC
NET LEC
18"CMP (REMOVE)
NET LEC
ABC (REMOVE)
FE
PROPOSED
TREELINE
SLOPE
INTERCEPT
R/W LINE
N. OVERLAND RD.
EXISTING R/W
EXISTING R/W
NOTE:
SEE TRIANGLE DRIVE PLAN
DETAILS FOR ADDITIONAL
INFORMATION SOUTH OF THE
SOUTHERLY SLOPE INTERCEPT
LINE.
HSE
(REMOVE)18" CMCP
CABC
FE
18" CMCP
GUY
WPS
EXISTING R/W
TRIANGLE DR.
MATCH LINE STA. 311+00'RB'
SEE STH 29 PLAN DETAIL

LEGEND
LIMITS OF CONCRETE
LIMITS OF HMA PAVEMENT
XXXX XXXX SAW CUT
TREE TO BE REMOVED

N

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-RAMP B	SHEET 68	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021209-PDRB.DWG
LAYOUT NAME - 021231 pd
PLOT DATE : 6/30/2020 1:09 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND
- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX SAW CUT
- X TREE TO BE REMOVED

N

FUTURE SNOWMOBILE TRAIL

SLOPE INTERCEPT

R/W LINE

18"CMP (REMOVE)

CABC FF (REMOVE)

REMOVE ROADWAY

MARLEY STREET

NET LEC

LIMIT OF WETLANDS

LIMIT OF WETLANDS

PT: 404+94.01

CONCRETE CURB AND GUTTER
30-INCH TYPE A REQ'D

ASPHALTIC FLUME REQ'D.

PC: 403+50.70

3'

5'

15'

403'RC'

404'RC'

405'RC'

406

RAMP C

402'RC'

6'

15'

RC'

ASPHALTIC FLUME REQ'D.

CONCRETE CURB AND GUTTER
30-INCH TYPE A REQ'D

MATCH LINE STA. 401+00'RC'
SEE MARLEY STREET PLAN DETAIL

MATCH LINE STA. 406+00'RC'

NET LEC

NET LEC

SLOPE INTERCEPT

OH

WPS

GUY

POST

STH 29/32 WESTBOUND

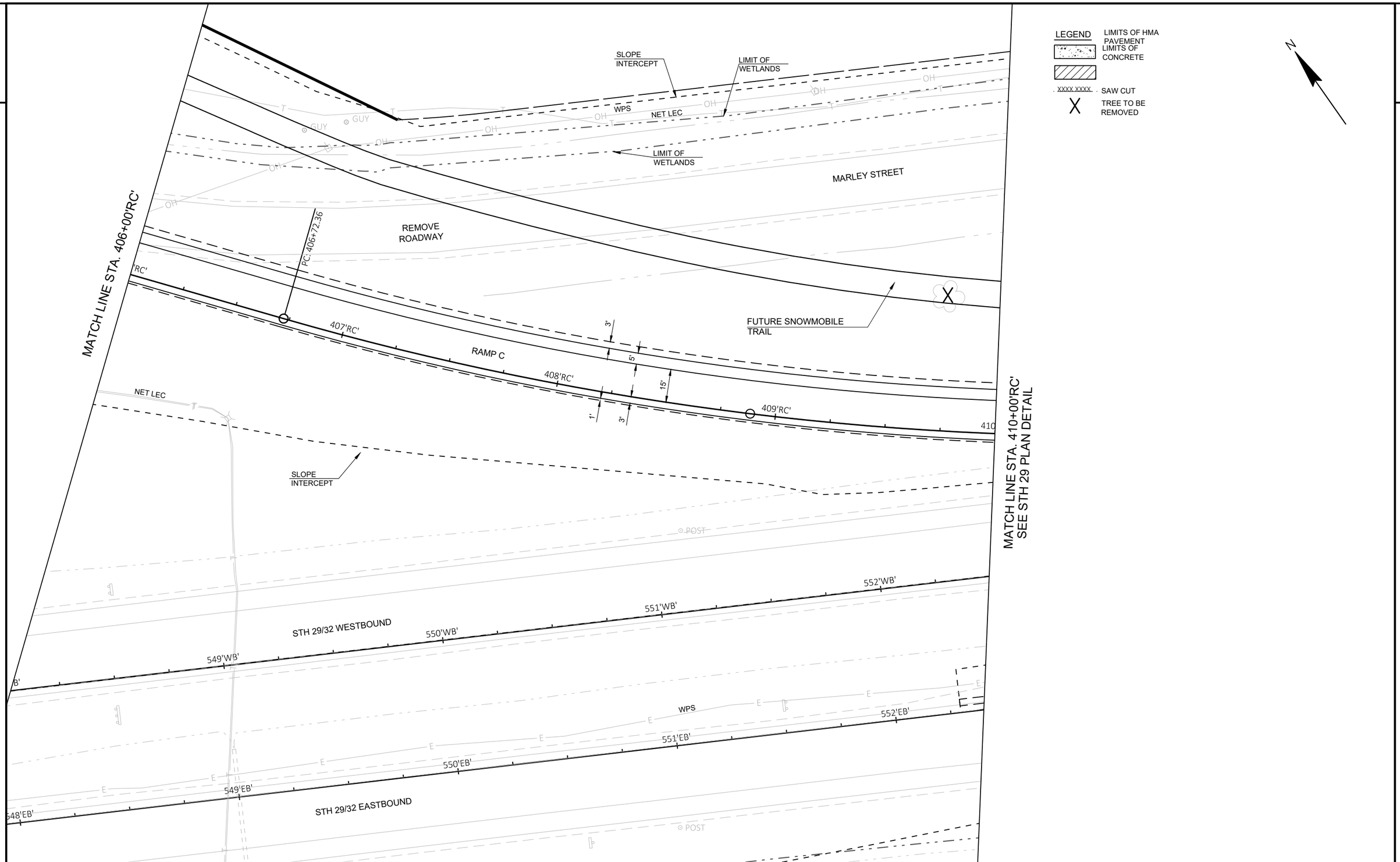
548'W

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-RAMP C	SHEET 69	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021210-PDRC.DWG
LAYOUT NAME - 021232 pd

PLOT DATE : 6/30/2020 1:10 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



2

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-RAMP C	SHEET 70	E

2

MATCH LINE STA. 516+00'RD'
SEE STH 29 PLAN DETAIL

MATCH LINE STA. 522+00'RD'

N

LEGEND
- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX SAW CUT
- X TREE TO BE REMOVED

FUTURE SNOWMOBILE TRAIL

SLOPE INTERCEPT

R/W LINE

RAMP D

516'RD' 517'RD' 518'RD' 519'RD' 520'RD' 521'RD' 522

3' 5' 15' 1' 3'

LIMIT OF WETLANDS

GUY

OH

POST

DO NOT DISTURB

WPS

30" CMCP (TO REMAIN)

STH 29 WESTBOUND

533'WB' 534'WB' 535'WB'

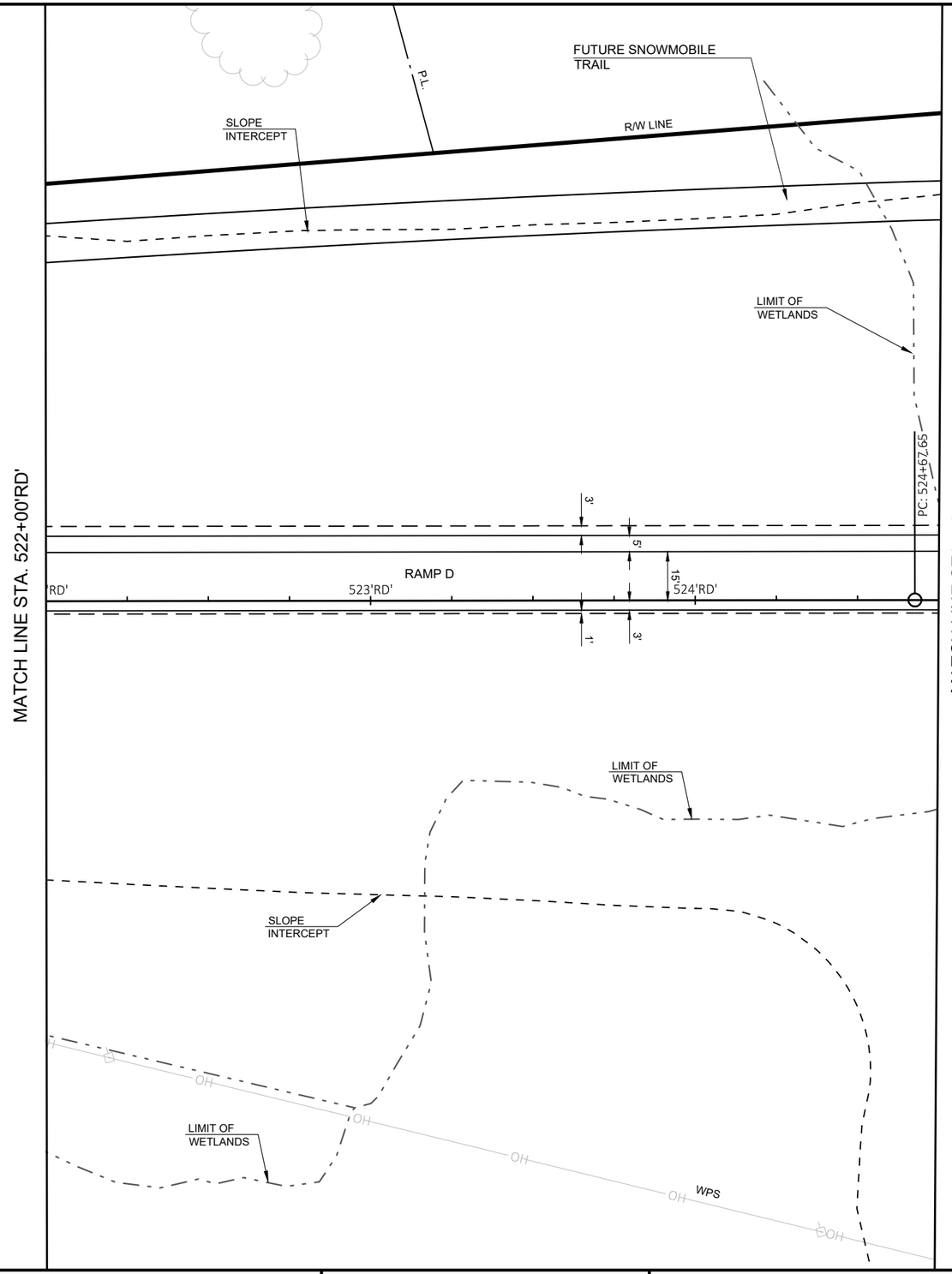
533'EB'

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-RAMP D	SHEET 71	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021211-PDRD.DWG
LAYOUT NAME - 021234 pd

PLOT DATE : 6/30/2020 1:12 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



N

LEGEND

- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX SAW CUT
- X TREE TO BE REMOVED

2

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-RAMP D	SHEET 72	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021211-PDRD.DWG
LAYOUT NAME - 021235 pd
PLOT DATE : 6/30/2020 1:13 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX SAW CUT
- X TREE TO BE REMOVED

SLOPE INTERCEPT

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQ'D

LIMIT OF WETLANDS

REMOVE EXISTING ROADWAY

10'

13'

R/W LINE

FIELD ENTRANCE REQ'D.

TLE LINE

CONCRETE SIDEWALK 4-INCH REQ'D

R/W LINE

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQ'D

CTH VV

WPS

OH

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQ'D

CONCRETE SIDEWALK 4-INCH REQ'D

9.5'

7'

SLOPE INTERCEPT

TLE LINE

R/W LINE

10'

5'

8'

9.5'

12'

101'CW'

102'CW'

CTH TS

101'CE'

102'CE'

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQ'D

SLOPE INTERCEPT

R/W LINE

TLE LINE

COLORED AND STAMPED CONCRETE 4-INCH

CONCRETE SIDEWALK 4-INCH REQ'D

CAUTION

BURIED GAS LINE (APPROXIMATE LOCATION)

WPS

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQ'D

N

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-CTH TS	SHEET 73	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021203-PDTS.DWG
LAYOUT NAME - 021236 pd

PLOT DATE : 6/30/2020 1:15 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX SAW CUT
- X TREE TO BE REMOVED

LIMIT OF WETLANDS

N

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D

TLE LINE

R/W LINE

SLOPE INTERCEPT

CONCRETE SIDEWALK
4-INCH REQ'D

MATCH LINE STA. 102+00'CE'

102'CW'

103'CW'

CTH TS

103'CE'

104'CW'

104'CE'

105'CW'

105'CE'

106'CW'

106'CE'

MATCH LINE STA. 107+00'CE'

10'

5'

9.5'

12'

5'

19'

8'

12'

5'

9.5'

10'

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-CTH TS	SHEET 74	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021203-PDTS.DWG
LAYOUT NAME - 021237 pd
PLOT DATE : 6/30/2020 1:15 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT

XXXX XXXX SAW CUT

TREE TO BE REMOVED

N

MATCH LINE STA. 107+00'CE'

MATCH LINE STA. 113+00'CE'

CTH TS

107'CW'

107'CE'

108'CW'

108'CE'

109'CW'

109'CE'

110'CW'

110'CE'

111'CW'

111'CE'

112'CW'

112'CE'

TLE LINE

R/W LINE

CONCRETE SIDEWALK
4-INCH REQ'D

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D

SLOPE
INTERCEPT

10'

9.5'

5'

12'

19'

CAUTION

BURIED GAS LINE
(APPROXIMATE LOCATION)

WPS

P.L.

DETENTION POND

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-CTH TS	SHEET 75	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021203-PDTS.DWG
LAYOUT NAME - 021238 pd

PLOT DATE : 6/30/2020 1:16 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT

XXXX XXXX SAW CUT

X TREE TO BE REMOVED

N

MATCH LINE STA. 113+00'CE'

MATCH LINE STA. 118+00'CE'

CTH TS

TLE LINE

R/W LINE

SLOPE INTERCEPT

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQ'D

CONCRETE SIDEWALK 4-INCH REQ'D

10'

5'

9.5'

12'

19'

113'CW'

114'CW'

115'CW'

116'CW'

117'CW'

114'CE'

115'CE'

116'CE'

117'CE'

WPS

CAUTION BURIED GAS LINE (APPROXIMATE LOCATION)

STA BACK = 115+27.92

STA AHEAD = 114+85.49

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-CTH TS	SHEET 76	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021203-PDTS.DWG
LAYOUT NAME - 021239 pd

PLOT DATE : 6/30/2020 1:16 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT

XXXX XXXX SAW CUT

X TREE TO BE REMOVED

N

MATCH LINE STA. 118+00'CE'

SLOPE INTERCEPT

CONCRETE SIDEWALK
4-INCH REQ'D

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D

TLE LINE

R/W LINE

10'

5'

9.5'

5'

12'

119'CW'

120'CW'

121'CW'

122'CW'

123'CW'

124'CW'

123'CE'

124'CE'

122'CE'

121'CE'

120'CE'

CTH TS

119'CE'

19'

12'

5'

5'

9.5'

WORK BY OTHERS

CONSTRUCTION LIMITS
STA. 119+76.20'CE'

R/W LINE

TLE LINE

WPS

P.L.

CONCRETE SIDEWALK
4-INCH REQ'D

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D

SLOPE INTERCEPT

CAUTION

BURIED GAS LINE
(APPROXIMATE LOCATION)

N. OVERLAND RD.

2

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-CTH TS	SHEET 77	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021203-PDTS.DWG
LAYOUT NAME - 021240 pd

PLOT DATE : 6/30/2020 1:16 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND
LIMITS OF CONCRETE
LIMITS OF HMA PAVEMENT
XXXX XXXX SAW CUT
TREE TO BE REMOVED

N

P.L.

R/W LINE

SLOPE INTERCEPT

P.L.

WPS

WPS

NET LEC

MARLEY ST.

PROPOSED TREELINE

EXISTING R/W

P1

COLORED AND STAMPED CONCRETE 4-INCH

LIMIT OF WETLANDS

LIMIT OF WETLANDS

R/W LINE

CONCRETE SIDEWALK 4-INCH REQ'D

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQ'D.

SLOPE INTERCEPT

TLE LINE

R/W LINE

COLORED AND STAMPED CONCRETE 4-INCH

CONCRETE MEDIAN SLOPED NOSE TYPE 1 REQ'D.

596EGW

597EGW

597EGE

598EGW

598EGE

10'

20'

8'

5'

5'

12'

601'EGW'

REMOVE EXISTING ROADWAY

EVERGREEN AVE.

601'EGE'

602'

MATCH LINE STA. 602+00'EGE'

CONSTRUCTION LIMITS STA. 597+65.5EGE

COLORED AND STAMPED CONCRETE 4-INCH

SLOPE INTERCEPT

10'

COLORED AND STAMPED CONCRETE 4-INCH

9.5'

5'

R/W LINE

TLE LINE

8'

LIMIT OF WETLANDS

SLOPE INTERCEPT

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQ'D.

COLORED AND STAMPED CONCRETE 4-INCH

CONCRETE SIDEWALK 4-INCH REQ'D

10'

FUTURE SNOWMOBILE TRAIL

PROPOSED TREELINE

MARLEY ST.

R/W LINE

FUTURE SNOWMOBILE TRAIL

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-EVERGREEN AVE.	SHEET 78	E

2

LEGEND

- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX SAW CUT
- X TREE TO BE REMOVED

N

P.L.

TLE LINE

R/W LINE

SLOPE INTERCEPT

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D.

CONCRETE SIDEWALK
4-INCH REQ'D

5'

5.5'

12'

606'EGW'

607'EGW'

608'EGW'

605'EGW'

606'EGE'

607'EGE'

608'EGE'

605'EGE'

604'EGW'

604'EGE'

603'EGW'

603'EGE'

602'EGW'

18'

9.5'

EVERGREEN AVE.

MATCH LINE STA. 602+00'EGE'

MATCH LINE STA. 608+00'EGE'

PLE FOR DRAINAGE

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-EVERGREEN AVE.	SHEET 79	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021204-PDEG.DWG
LAYOUT NAME - 021242 pd
PLOT DATE : 6/30/2020 1:19 PM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT

XXXX XXXX SAW CUT

X TREE TO BE REMOVED

N

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D.

SLOPE
INTERCEPT

CONCRETE CURB
PEDESTRIAN 6-INCH REQ'D.

CONCRETE SIDEWALK
4-INCH REQ'D

CONCRETE CURB
PEDESTRIAN 6-INCH REQ'D.

CONCRETE MEDIAN SLOPED
NOSE TYPE 1 REQ'D.

TLE LINE

R/W LINE

5'

5'

12'

610'EGW'

610'EGE'

609'EGW'

609'EGE'

EVERGREEN AVE.

7'

12'

12'

5'

5'

R/W LINE

5'

TLE LINE

611'EGW'

612'EGW'

613'EGW'

614'EGW'

5.6'

19'

CONCRETE CURB
PEDESTRIAN 6-INCH REQ'D.

611'EGE'

612'EGE'

613'EGE'

614'

6.5'

CONCRETE SIDEWALK
4-INCH REQ'D.

SLOPE
INTERCEPT

CONCRETE MEDIAN SLOPED
NOSE TYPE 1 REQ'D.

CONCRETE SIDEWALK
4-INCH REQ'D.

CONCRETE SIDEWALK
4-INCH REQ'D

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D.

MATCH LINE STA. 608+00'EGE'

MATCH LINE STA. 614+00'EGE'

2

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-EVERGREEN AVE.	SHEET 80	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021204-PDEG.DWG
LAYOUT NAME - 021243 pd

PLOT DATE : 6/30/2020 1:19 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT

XXXX XXXX SAW CUT

TREE TO BE REMOVED

P.L.

N

CAUTION

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D.

TLE LINE

R/W LINE

SLOPE INTERCEPT

CONCRETE SIDEWALK
4-INCH REQ'D

REMOVE FENCE

MATCH LINE STA. 614+00'EGE'

EVERGREEN AVE.

615'EGW'

616'EGW'

617'EGW'

618'EGW'

619'EGW'

620'EGW'

615'EGE'

616'EGE'

617'EGE'

618'EGE'

619'EGE'

620'

5'

9.5'

12'

19'

17'

MATCH LINE STA. 620+00'EGE'

OH

ATC

CONCRETE SIDEWALK
4-INCH REQ'D

PLE FOR DRAINAGE

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D.

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-EVERGREEN AVE.	SHEET 81	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021204-PDEG.DWG
LAYOUT NAME - 021244 pd

PLOT DATE : 6/30/2020 1:20 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT

XXXX XXXX SAW CUT

TREE TO BE REMOVED

N

MATCH LINE STA. 620+00'EGE'

REMOVE FENCE

STA. 623+32.29EGE EVERGREEN AVE.=
STA. 700+00.00CN CONNECTION RD.
Y=589673.825
X=60821.673

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D.

TLE LINE

R/W LINE

SLOPE INTERCEPT

CONCRETE SIDEWALK
4-INCH REQ'D.

EVERGREEN AVE.

621'EGW'

621'EGE'

622'EGW'

622'EGE'

623'EGW'

623'EGE'

624'EGW'

624'EGE'

625'EGW'

625'EGE'

626'E

5'

12'

19'

10'

6'

6.5'

9.5'

CONCRETE MEDIAN SLOPED
NOSE TYPE 1 REQ'D.

CONCRETE CURB PEDESTRIAN
6-INCH REQ'D.

MATCH LINE STA. 626+00'EGE'

CONCRETE CURB
PEDESTRIAN 6-INCH REQ'D.

58' R

38' R

15'

CONNECTION RD.

701CN

CONCRETE SIDEWALK
4-INCH REQ'D

P.L.

WELL

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-EVERGREEN AVE.	SHEET 82	E

2

LEGEND

- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX SAW CUT
- TREE TO BE REMOVED

N

MATCH LINE STA. 626+00'EGE'

MATCH LINE STA. 632+00'EGE'

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQ'D.

CONCRETE CURB PEDESTRIAN 6-INCH REQ'D.

CONCRETE CURB PEDESTRIAN 6-INCH REQ'D.

CONCRETE SIDEWALK 4-INCH REQ'D

TLE LINE

SLOPE INTERCEPT

R/W LINE

627'EGW'

628'EGW'

629'EGW'

630'EGW'

631'EGW'

632'E

627'EGE'

628'EGE'

629'EGE'

630'EGE'

631'EGE'

EVERGREEN AVE.

5'

9.5'

12'

19'

7'

CONCRETE MEDIAN SLOPED NOSE TYPE 1 REQ'D.

CONCRETE SIDEWALK 4-INCH REQ'D.

CONCRETE MEDIAN SLOPED NOSE TYPE 1 REQ'D.

CONCRETE CURB PEDESTRIAN 6-INCH REQ'D.

CONCRETE SIDEWALK 4-INCH REQ'D.

R/W LINE

TLE LINE

SLOPE INTERCEPT

CONCRETE SIDEWALK 4-INCH REQ'D

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQ'D.

P.L.

P.L.

P.L.

P.L.

P.L.

HO

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-EVERGREEN AVE.	SHEET 83	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021204-PDEG.DWG
LAYOUT NAME - 021246 pd

PLOT DATE : 6/30/2020 1:20 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : Custom

WISDOT/CADDS SHEET 42

2

2

LEGEND

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT

XXXX XXXX SAW CUT

TREE TO BE REMOVED

N

DETENTION POND

WOODS

R/W LINE

TLE LINE

END CONCRETE SIDEWALK
STA. 634+56.49'EGE' LEFT AND
STA. 634+73.88'EGE' RIGHT

END CONCRETE CURB AND GUTTER
STA. 634+75'EGE' LEFT AND RIGHT

SLOPE INTERCEPT

CONCRETE SIDEWALK
4-INCH REQ'D

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D.

3" ASPHALTIC SURFACE REQ'D.

PROPOSED TREELINE

REMOVE EXISTING CULVERT PIPE

MATCH LINE STA. 632+00'EGE'

MATCH LINE STA. 638+00'EGE'

EVERGREEN AVE.

633'EGW'

634'EGW'

635'EGW'

636'EGW'

637'EGW'

633'EGE'

634'EGE'

635'EGE'

636'EGE'

637'EGE'

9.5'

5'

12'

19'

3'

(REMOVE)
30"CMP

737'XMM'

736'XMM'

735'XMM'

734'XMM'

733'XMM'

WPS

NET LEC

EXISTING R/W

MILLTOWN RD.

REMOVE EXISTING ROADWAY

(TO REMAIN)
18"CMP

(TO REMAIN)
18"CMCP
CABC
FE

(TO REMAIN)
12" PVC

(TO REMAIN)

RECONSTRUCT CE
STA. 637+17-EGE'
1-24-INCH CP REQ'D.

RECONSTRUCT FE
STA. 637+71'EGE'
1-24-INCH CP REQ'D.

CONSTRUCTION LIMITS
734+10 'XMM'

P.L.

OH

GUY

POST

SIGN

ASPHALT

ASPH PE

CABC FE

24"CMCP

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-EVERGREEN AVE.	SHEET 84	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021204-PDEG.DWG
LAYOUT NAME - 021247 pd

PLOT DATE : 6/30/2020 1:21 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : Custom

WISDOT/CADDS SHEET 42

2

2

LEGEND

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT

XXXX XXXX SAW CUT

TREE TO BE REMOVED

N

MATCH LINE STA. 638+00'EGE'

SLOPE INTERCEPT

EDGE OF CABC SHOULDER

EDGE OF PAVED SHOULDER

EDGE OF PAVEMENT

TLE LINE

R/W LINE

P.L.

EXISTING R/W

NET LEC

REMOVE EXISTING ROADWAY

EVERGREEN AVE.

CONSTRUCTION LIMITS
STA. 642+50'EGE'

639'EGW'
739'XMM'

640'EGE'

641'EGE'

642'EGE'

643'EGE'

644'EGE'

12'

5'

3'

11'

SALVAGE AND REINSTALL EXISTING CULVERT PIPE AND ENDWALLS

EDGE OF PAVEMENT

EDGE OF CABC SHOULDER

EDGE OF PAVED SHOULDER

SLOPE INTERCEPT

RECONSTRUCT CE
STA. 638+23-EGE'
1-24-INCH SALVAGED CP REQ'D.

SALVAGE AND REINSTALL EXISTING CULVERT PIPE AND ENDWALLS

RECONSTRUCT CE
STA. 640+04'EGE'
1-24-INCH SALVAGED CP REQ'D.

BARN

SILO

CABC

ASPH

PLANTER

CABC FE

18" CMCP

WPS

24" CMCP

SIGN

ASPHALT

CONC

BUILDING

SHED

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-EVERGREEN AVE.	SHEET 85	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021204-PDEG.DWG
LAYOUT NAME - 021248 pd

PLOT DATE : 6/30/2020 1:21 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND
- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX SAW CUT
- TREE TO BE REMOVED

N

P.L.

SLOPE INTERCEPT

TLE LINE

R/W LINE

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D

EDGE OF CABC SHOULDER

EDGE OF PAVEMENT

EXISTING R/W

NET LEC

MILLWOOD CT.

798'M'

799'M'

REMOVE EXISTING
CULVERT PIPE

REMOVE EXISTING
CULVERT PIPE

CONSTRUCTION LIMITS
STA. 798+25'M'

RECONSTRUCT P.E.
STA. 798+85'MW'
1-17"x13" PACS REQ'D.

ASPHALTIC FLUME
REQ'D.

FUTURE SNOWMOBILE
TRAIL

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D

SLOPE INTERCEPT

MARLEY ST.

EXISTING R/W

STA AHEAD = 65+25.00

STA BACK = 64+95.14

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D

PROPOSED
TREELINE

STA. 64+04.14'NB' MARLEY ST.=
STA. 800+00.00'M' MILLWOOD CT.
Y = 591559.378
X = 59347.515

EXISTING R/W

REMOVE EXISTING
CULVERT PIPE

EXISTING R/W

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D

PROPOSED
TREELINE

EXISTING R/W

FUTURE SNOWMOBILE
TRAIL

SLOPE INTERCEPT

64'SB'

64'NB'

63'SB'

63'NB'

62'SB'

2

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-MILLWOOD CT.	SHEET 86	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021206-PDMW.DWG
LAYOUT NAME - 021249 pd

PLOT DATE : 6/30/2020 1:23 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX — SAW CUT
- X — TREE TO BE REMOVED

CONCRETE SIDEWALK
4-INCH REQ'D

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D

R/W LINE

60' R

SLOPE
INTERCEPT

REMOVE
FENCE

STA. 702+50'CT'
CONSTRUCT FE
1-21"X15" CP REQ'D.

15'

15'

40' R

701'CT'

623EGE

STA. 623+32.29EGE EVERGREEN AVE.=
STA. 700+00.00CN CONNECTION RD.
Y=589673.825
X=60821.673

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D

CONCRETE SIDEWALK
4-INCH REQ'D

SLOPE
INTERCEPT

TLE LINE

R/W LINE

624EGE

EVERGREEN AVE.

625EGE

626EGE

N

2

R/W LINE

25'

EDGE OF CABC SHOULDER
EDGE OF PAVED SHOULDER
EDGE OF PAVEMENT

CONNECTION RD.

702'CT'

703'CT'

704'CT'

1'
3'
12'
12'
1'
3'

R/W LINE

SLOPE
INTERCEPT

EDGE OF CABC SHOULDER
EDGE OF PAVED SHOULDER
EDGE OF PAVEMENT

CONCRETE SIDEWALK
4-INCH REQ'D

R/W LINE

TLE LINE

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D

SLOPE
INTERCEPT

P.L.

WELL

SSPC

SSPC

CANOPY

GUY

OH

WPS

OH

FUEL PIPES

R/W LINE

BLDG

ASPHALT

NET LEC

WPS

OHT

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-CONNECTION RD.	SHEET 87	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021207-PDCN.DWG
LAYOUT NAME - 021250 pd

PLOT DATE : 6/30/2020 1:25 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND
- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX SAW CUT
- X TREE TO BE REMOVED

N

SLOPE INTERCEPT
704'CT'
3'
12'
12'
1'
1'
CULVERT PIPE REQ'D.
LIMIT OF WETLANDS
NET LEC
WPS
705'CT'
(REMOVE)
12" CMCP
721'XMM'
REMOVE EXISTING ROADWAY
EDGE OF PAVEMENT
EDGE OF CABC SHOULDER
EDGE OF PAVED SHOULDER
722'XMM'
706'CT'
REMOVE CONCRETE CURB AND GUTTER
REMOVE ASPHALT FLUME
723'XMM'
R/W LINE
BLDG
FUEL PIPES
CANOPY
BURIED GAS LINE (APPROXIMATE LOCATION)
REMOVE AND REPLACE CONCRETE CURB AND GUTTER 30-INCH TYPE D
RECONSTRUCT CE STA. 706+60'CT' 1-18-INCH CULVERT PIPE REQ'D.
REMOVE AND REPLACE CONCRETE CURB AND GUTTER 30-INCH TYPE D
18" FARM (REMOVE)
PC: 723+92.58
SIGN
LIMIT OF WETLANDS
RECONSTRUCT CE STA. 708+15'CT' 1-18-INCH CULVERT PIPE REQ'D.
REMOVE AND REPLACE CONCRETE CURB AND GUTTER 30-INCH TYPE D
NET LEC
EXISTING R/W
LIMIT OF WETLANDS
(TO REMAIN)
18"CM
24" CMCP (REMOVE)
SLOPE INTERCEPT
707'CT'
724'XMM'
CONNECTION RD.
18" CMCP (REMOVE)
725'XMM'
708'CT'
REMOVE EXISTING ROADWAY
726'XMM'
CONSTRUCTION CE STA. 708+75'CT' LEFT
727'XMM'
EXISTING MILLTOWN RD.
REMOVE ENTRANCE
LIMIT OF WETLANDS
SLOPE INTERCEPT
FUTURE SNOWMOBILE TRAIL
45' R.
709'CT'
24" CMCP (REMOVE)
STH 29/32 WESTBOUND
24" CMCP (TO REMAIN)
CONSTRUCTION LIMITS STA. 709+05.45'CT'
BURIED GAS LINE (APPROXIMATE LOCATION)
RECONSTRUCTION CE STA. 709+05'CT' 1-24" CP REQ'D.
TLE LINE
CABC
FE
SEPTIC
POST
GUY
SIGN
ASPH
CE
OH
T
G
E
W

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-CONNECTION RD.	SHEET 88	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021207-PDCN.DWG
LAYOUT NAME - 021251 pd
PLOT DATE : 6/30/2020 1:25 PM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND
LIMITS OF CONCRETE
LIMITS OF HMA PAVEMENT
XXXX XXXX SAW CUT
TREE TO BE REMOVED

N

R/W LINE

WOODS

LIMIT OF WETLANDS

SLOPE INTERCEPTS

LIMIT OF WETLANDS

CONSTRUCT FE
STA. 772+75'XT'
1-18" CP REQ'D.

R/W LINE

WPS

EXISTING R/W

OH

CTH VV (TRIANGLE DR.)

771'XT'

772'XT'

773'XT'

774'XT'

775'XT'

776

MATCH LINE STA. 770+00'XT'
SEE CTH VV PLAN DETAILS

REMOVE EXISTING
ROADWAY PAVEMENT

PAVEMENT TO REMAIN

CABC
FE

24" RCCP (REMOVE)

(TO REMAIN)

24" CM
(TO REMAIN)

EXISTING R/W

R/W LINE

STA. 772+25'XT'
SAW CUT REQ'D.

SLOPE INTERCEPTS

PI: 772+86.15

MATCH LINE STA. 776+00'XT'

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-TRIANGLE DR.	SHEET 89	E

2

N

LEGEND
- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX SAW CUT
- TREE TO BE REMOVED

PROPOSED TREELINE

R/W LINE

MATCH LINE STA. 776+00'XT'

SHED

SHED

G

POST

POST

ASPHALT

HSE

ASPH PE

(TO REMAIN)

(REMOVE) 18" CMCP

SLOPE INTERCEPT

EXISTING R/W

REMOVE ROADWAY N. OVERLAND RD.

754'XO'

NET LEC

18"CMP (REMOVE)

ABC FE (REMOVE)

SLOPE INTERCEPT

EXISTING R/W

NET LEC

SLOPE INTERCEPT

RAMP B

307'RB'

308'RB'

309'RB'

753'XO'

GUY

(TO REMAIN)

CABC FE

EXISTING R/W

NET LEC

NET LEC

WPS

EXISTING R/W

PI: 776+20.91

18" RCCP (TO REMAIN)

POST

XXXX XXXX XXXX XXXX XXXX

CTH VV (TRIANGLE DR.)

777'XT'

778'XT'

779'XT'

780'XT'

781'XT'

782

PAVEMENT TO REMAIN

CONSTRUCTION LIMITS
STA. 752+55'XO'

EXISTING R/W

752'XO'

SIGN

18"CMP (TO REMAIN)

EXISTING R/W

PC: 781+81.04

STA. 779+52.65'XT' TRIANGLE DR.=
STA. 752+42.11'XO' N. OVERLAND RD.
Y = 589153.371
X = 59403.171

EXISTING R/W

N. OVERLAND RD.

EXISTING R/W

CABC PE (TO REMAIN)

H

P.I.

MATCH LINE STA. 782+00'XT'

2

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-TRIANGLE DR.	SHEET 90	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021205-PDTR.DWG
LAYOUT NAME - 021253 pd

PLOT DATE : 6/30/2020 1:28 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

LEGEND

LIMITS OF CONCRETE

LIMITS OF HMA PAVEMENT

XXXX XXXX SAW CUT

TREE TO BE REMOVED

MATCH LINE STA. 782+00'XT'

2'XT'

EXISTING R/W

WPS

18" CMCP

783'XT'

CTH VV (TRIANGLE DR.)

784'XT'

PT: 784+84.42

785'XT'

EXISTING R/W

RAMP B

314'RB'

315'RB'

QWEST

SLOPE INTERCEPT

LIMIT OF WETLANDS

18" RCCP

INL.

CONSTRUCTION LIMITS
STA. 786+00'XT'

786'XT'

PC: 786+44.37

787'XT'

REMOVE ROADWAY

SLOPE INTERCEPT

RECONSTRUCT FE
STA. 785+45'XT'
1-18" CP REQ'D.

CABC FE
(TO REMAIN)

18" CMCP
(TO REMAIN)

SLOPE INTERCEPT

EXISTING R/W

MATCH LINE STA. 788+00'XT'
SEE STH 29 PLAN DETAIL

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN DETAIL WITH REMOVALS-TRIANGLE DR.	SHEET 91	E

2

BP: 509

510'RD'

511'RD'

512'RD'

513'RD'

STH 29/32 WESTBOUND

524'WB' 525'WB' 526'WB' 527'WB' 528'WB' 529'WB' 530'WB' 531'WB'

524'EB' 525'EB' 526'EB' 527'EB' 528'EB' 529'EB' 530'EB' 531'EB'

STH 29/32 EASTBOUND

REMOVE EXISTING PIPE UNDERDRAIN
STA. 524EB+25 - STA. 529EB+70

END CAP
REQ'D

INSTALL PIPE UNDERDRAIN 6-INCH
AND UNDERDRAIN APRON ENDWALL

202'RA'

203'RA'

204'RA'

205'RA'

206'RA'

RAMP A

INSTALL PIPE UNDERDRAIN 6-INCH
AND UNDERDRAIN APRON ENDWALL

REMOVE EXISTING PIPE UNDERDRAIN
AND UNDERDRAIN APRON ENDWALL

REMOVE EXISTING
UNDERDRAIN APRON ENDWALL

QWEST

INLET

DRAIN TILE

DRAIN TILE

48" RCP

18" RCCP

POST

FO

WOODS

STH 29/32 WESTBOUND

538'WB' 539'WB' 540'WB' 541'WB' 542'WB' 543'WB' 544'WB' 545'WB'

538'EB' 539'EB' 540'EB' 541'EB' 542'EB' 543'EB' 544'EB' 545'EB'

REMOVE EXISTING PIPE UNDERDRAIN
AND UNDERDRAIN APRON ENDWALL

INSTALL UNDERDRAIN
APRON ENDWALL

STH 29/32 EASTBOUND

WPS

24" CMCP

18" RCCP

NOTE:
FIELD VERIFY EXISTING AND PROPOSED PIPE UNDERDRAIN
AND UNDERDRAIN APRON ENDWALL LOCATIONS.

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PIPE UNDERDRAIN PLAN DETAILS - STH 29	SHEET 92	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021212-PDUNDERDRAIN.DWG
LAYOUT NAME - 021255 pd

PLOT DATE : 6/30/2020 1:30 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : ##########

STH 29/32 WESTBOUND

554'WB' 555'WB' 556'WB' 557'WB' 558'WB' 559'WB' 560'WB'

554'EB' 555'EB' 556'EB' 557'EB' 558'EB' 559'EB' 560'EB'

LOCATE EXISTING UNDERDRAIN
ENDWALL (DRAIN TILE EXPLORATION)
REMOVE EXISTING PIPE UNDERDRAIN
AND UNDERDRAIN APRON ENDWALL

INSTALL UNDERDRAIN
APRON ENDWALL

END CAP
REQ'D

312'RB' 313'RB' 314'RB' 315'RB'

RAMP B

STH 29/32 EASTBOUND

REMOVE EXISTING PIPE UNDERDRAIN
AND UNDERDRAIN APRON ENDWALL

REMOVE EXISTING PIPE UNDERDRAIN
STA. 554EB+00 - STA. 566EB+60

INSTALL PIPE UNDERDRAIN 6-INCH
AND UNDERDRAIN APRON ENDWALL

+74.37

STH 29/32 WESTBOUND

560'WB' 561'WB' 562'WB' 563'WB' 564'WB' 565'WB' 566'WB' 567'WB'

560'EB' 561'EB' 562'EB' 563'EB' 564'EB' 565'EB' 566'EB' 567'EB'

STH 29/32 EASTBOUND

REMOVE EXISTING PIPE UNDERDRAIN
AND UNDERDRAIN APRON ENDWALL

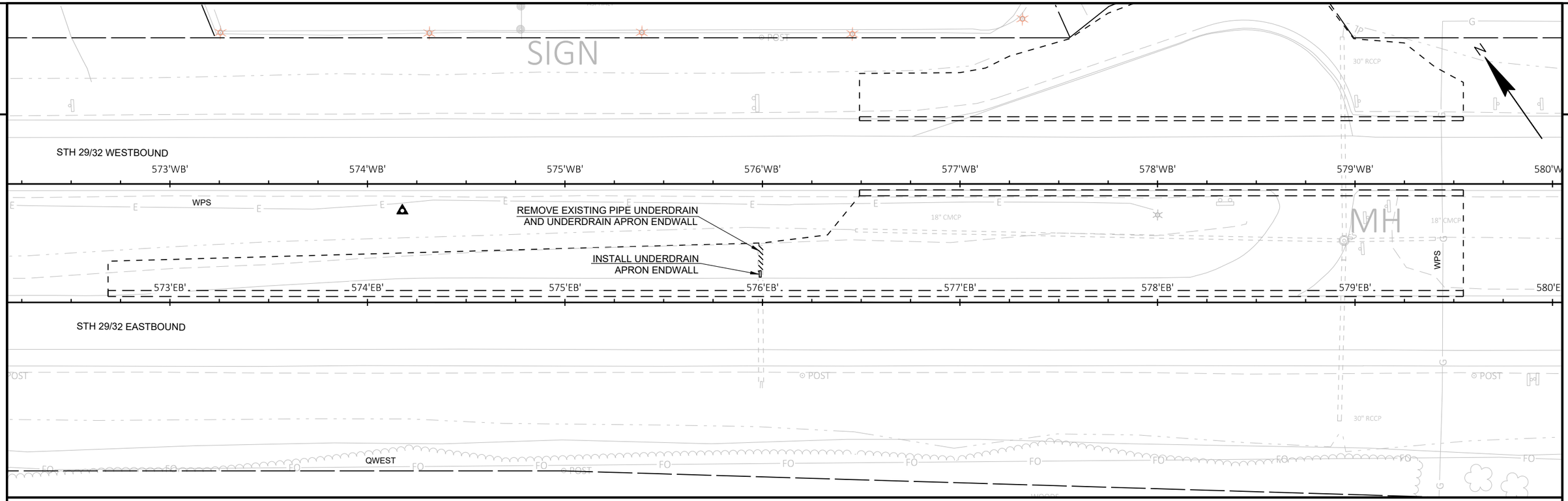
REMOVE EXISTING PIPE UNDERDRAIN
STA. 554EB+00 - STA. 566EB+60

REMOVE EXISTING PIPE UNDERDRAIN
AND UNDERDRAIN APRON ENDWALL

INSTALL PIPE UNDERDRAIN 6-INCH
AND UNDERDRAIN APRON ENDWALL

NOTE:
FIELD VERIFY EXISTING AND PROPOSED PIPE UNDERDRAIN
AND UNDERDRAIN APRON ENDWALL LOCATIONS.

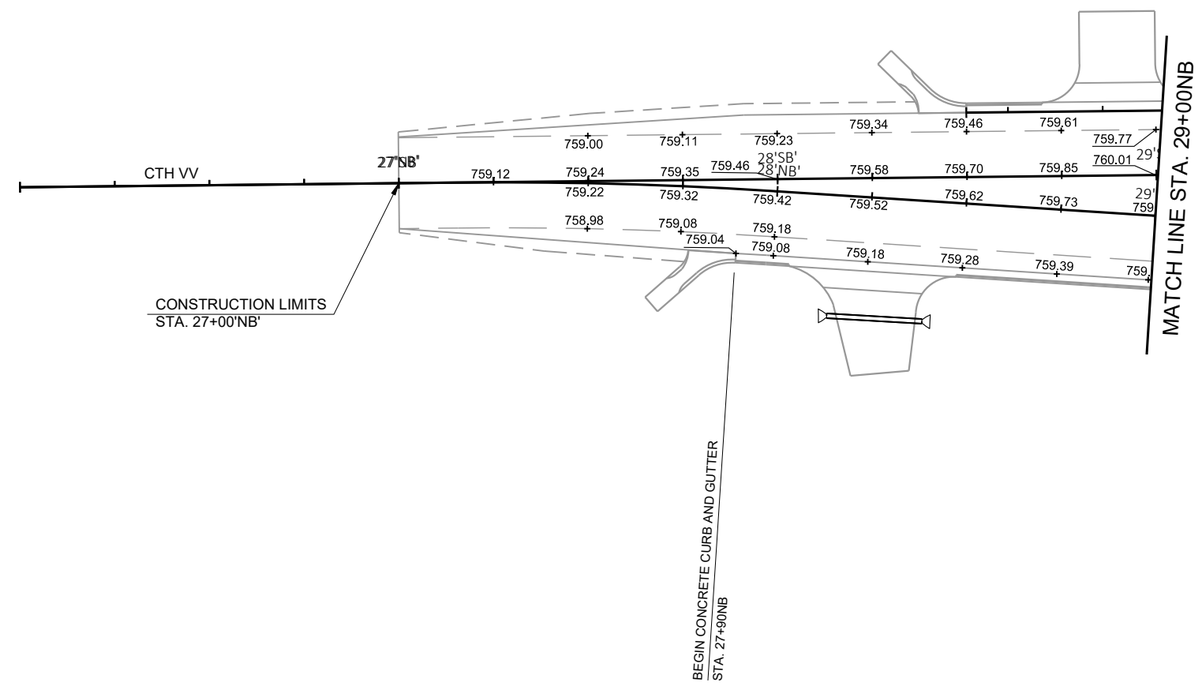
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PIPE UNDERDRAIN PLAN DETAILS - STH 29	SHEET 93	E



NOTE:
FIELD VERIFY EXISTING AND PROPOSED PIPE UNDERDRAIN
AND UNDERDRAIN APRON ENDWALL LOCATIONS.

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PIPE UNDERDRAIN PLAN DETAILS - STH 29	SHEET 94	E

2

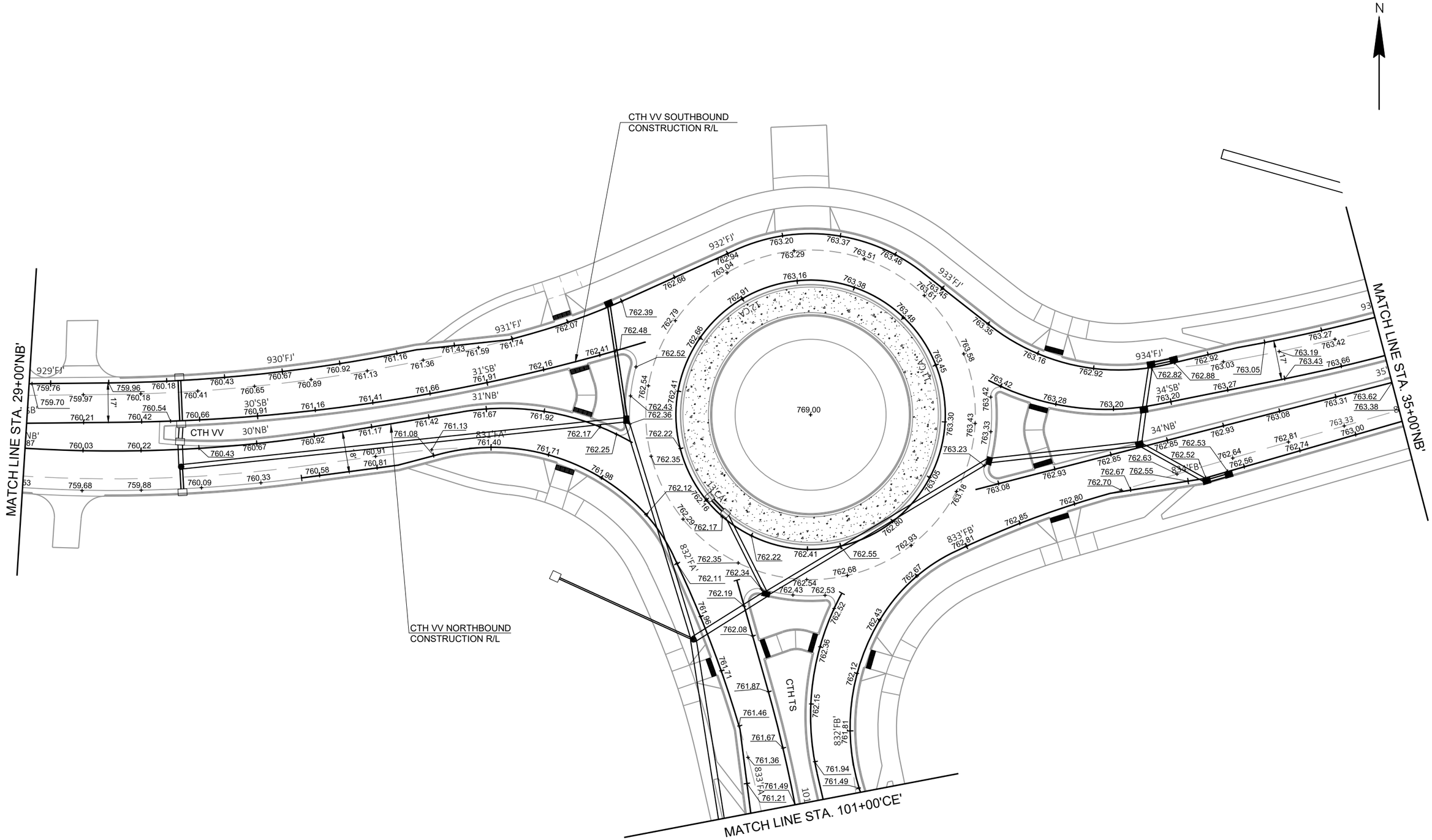


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-CTH VV	SHEET 95	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021301-PGVV.DWG
LAYOUT NAME - 022201 pg

PLOT DATE : 4/30/2020 9:27 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-CTH VV	SHEET 96	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021301-PGVV.DWG
LAYOUT NAME - 022202 pg

PLOT DATE : 4/30/2020 9:27 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

MATCH LINE STA. 35+00'NB'

MATCH LINE STA. 40+50'NB'

CTH VV SOUTHBOUND
CONSTRUCTION R/L

CTH VV NORTHBOUND
CONSTRUCTION R/L

CTH VV

DETENTION POND

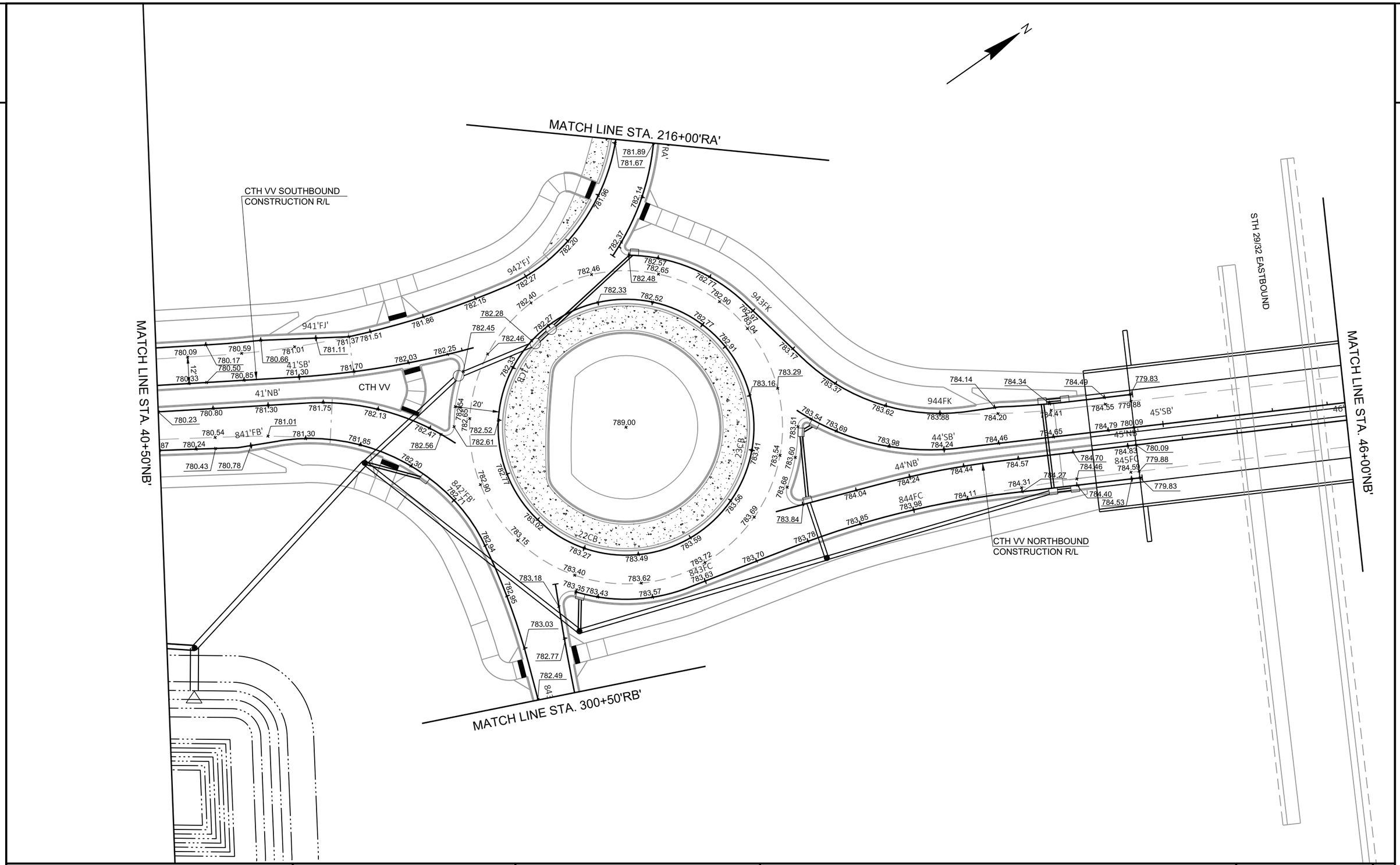
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-CTH VV	SHEET 97	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021301-PGVV.DWG
LAYOUT NAME - 022203 pg

PLOT DATE : 4/30/2020 9:27 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2



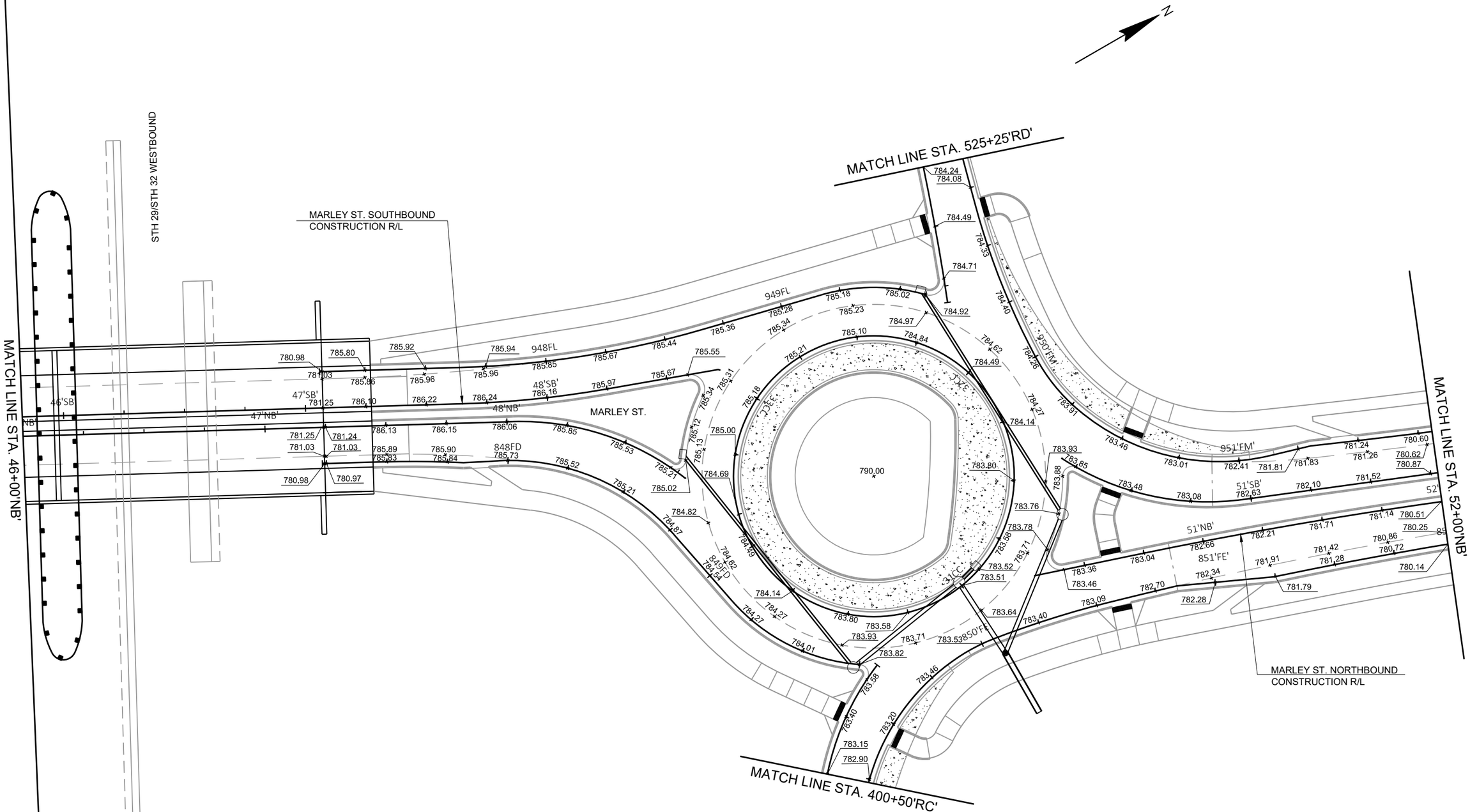
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-CTH VV	SHEET 98	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021301-PGVV.DWG
LAYOUT NAME - 022204 pg

PLOT DATE : 4/30/2020 9:27 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

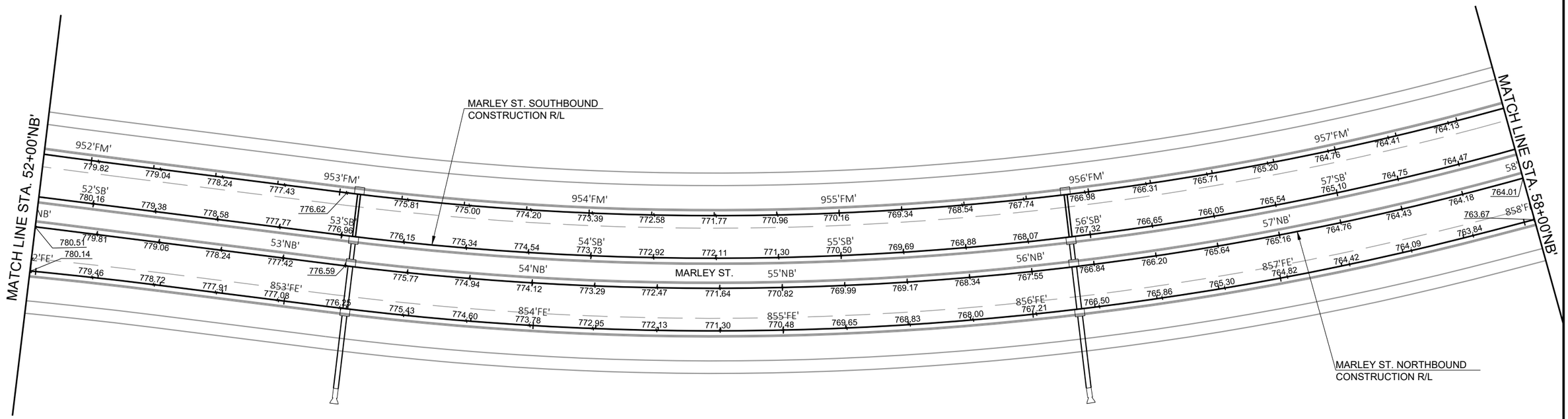


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-MARLEY ST.	SHEET 99	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021301-PGVV.DWG
LAYOUT NAME - 022205 pg

PLOT DATE : 4/30/2020 9:28 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

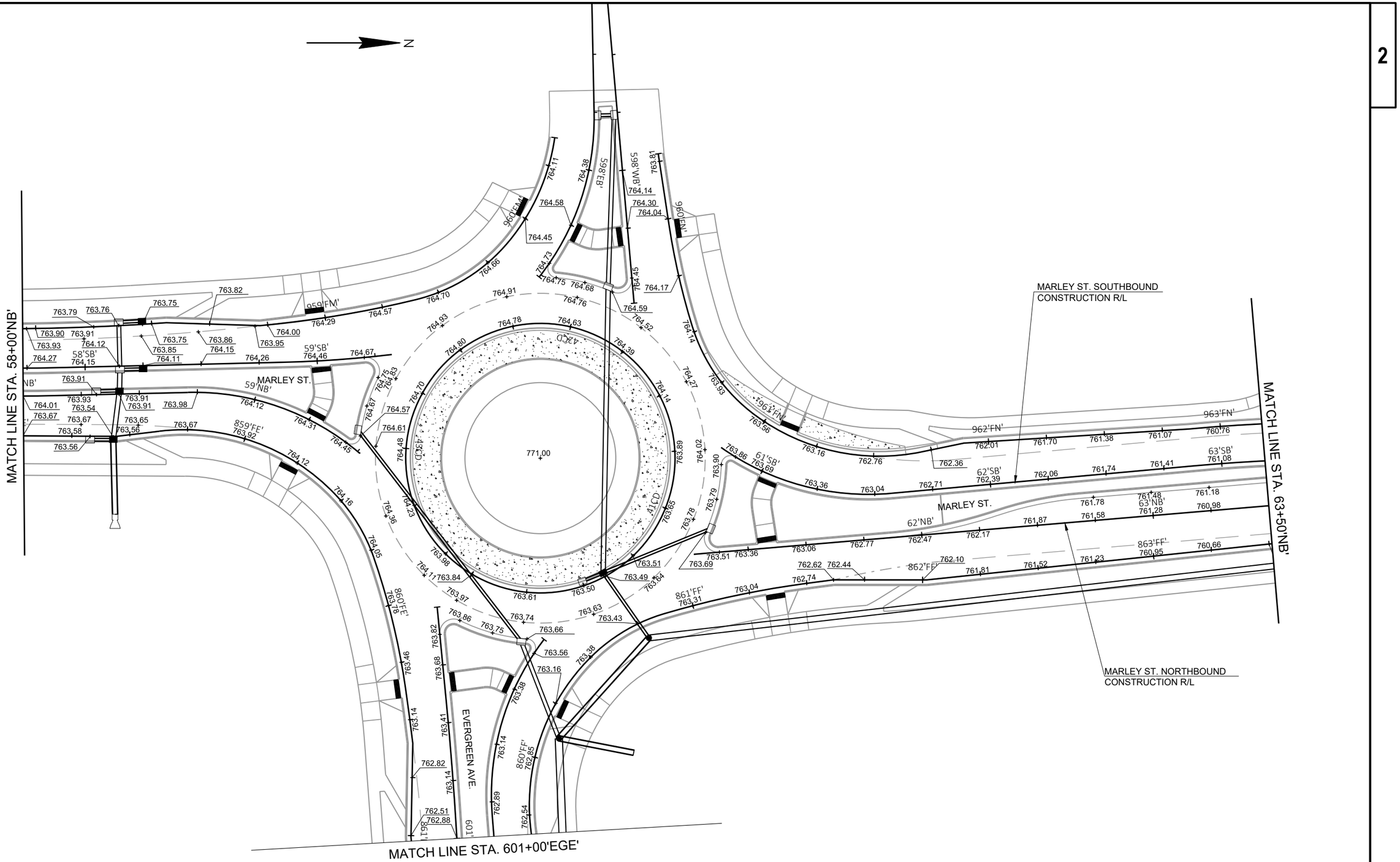


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-PAVEMENT GRADES	SHEET 100	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021301-PGVV.DWG
LAYOUT NAME - 022206 pg

PLOT DATE : 4/30/2020 9:28 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-MARLEY ST.	SHEET 101	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021301-PGVV.DWG
LAYOUT NAME - 022207 pg

PLOT DATE : 4/30/2020 9:28 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

MILLWOOD CT.

798'MW'

799'MW'

800'MW'

964FO

EQUATION

STA AHEAD = 65+25.00
STA BACK = 64+95.14

MARLEY ST. SOUTHBOUND
CONSTRUCTION R/L

MARLEY ST.

CONSTRUCTION LIMITS
STA. 66+00.00'NB'

MARLEY ST. NORTHBOUND
CONSTRUCTION R/L

MATCH LINE STA. 63+50'NB'

760.10 760.02 759.95 759.87 759.81 759.81 759.95

759.96 760.20 760.39 760.76 760.43 760.11 759.66 759.45 759.26 759.14 759.13 759.11 759.11 759.16 759.46 759.48

64'SB' 759.80 759.58 759.43 759.78 759.87 66'SB' 67'SB' 68'SB' 69'SB'

760.69 760.39 64'NB' 760.09 759.80 759.59 759.46 759.14 759.13 759.11 759.48 65'NB' 759.43 759.11 66'NB' 67'NB' 68'NB' 69'NB'

760.08 864'FF' 759.78 759.48 759.27 759.11 865'FF' 759.11 759.16

760.37

2

N

MATCH LINE STA. 101+00'CE'

CTH TS WESTBOUND
CONSTRUCTION R/L

CTH TS

CTH TS EASTBOUND
CONSTRUCTION R/L

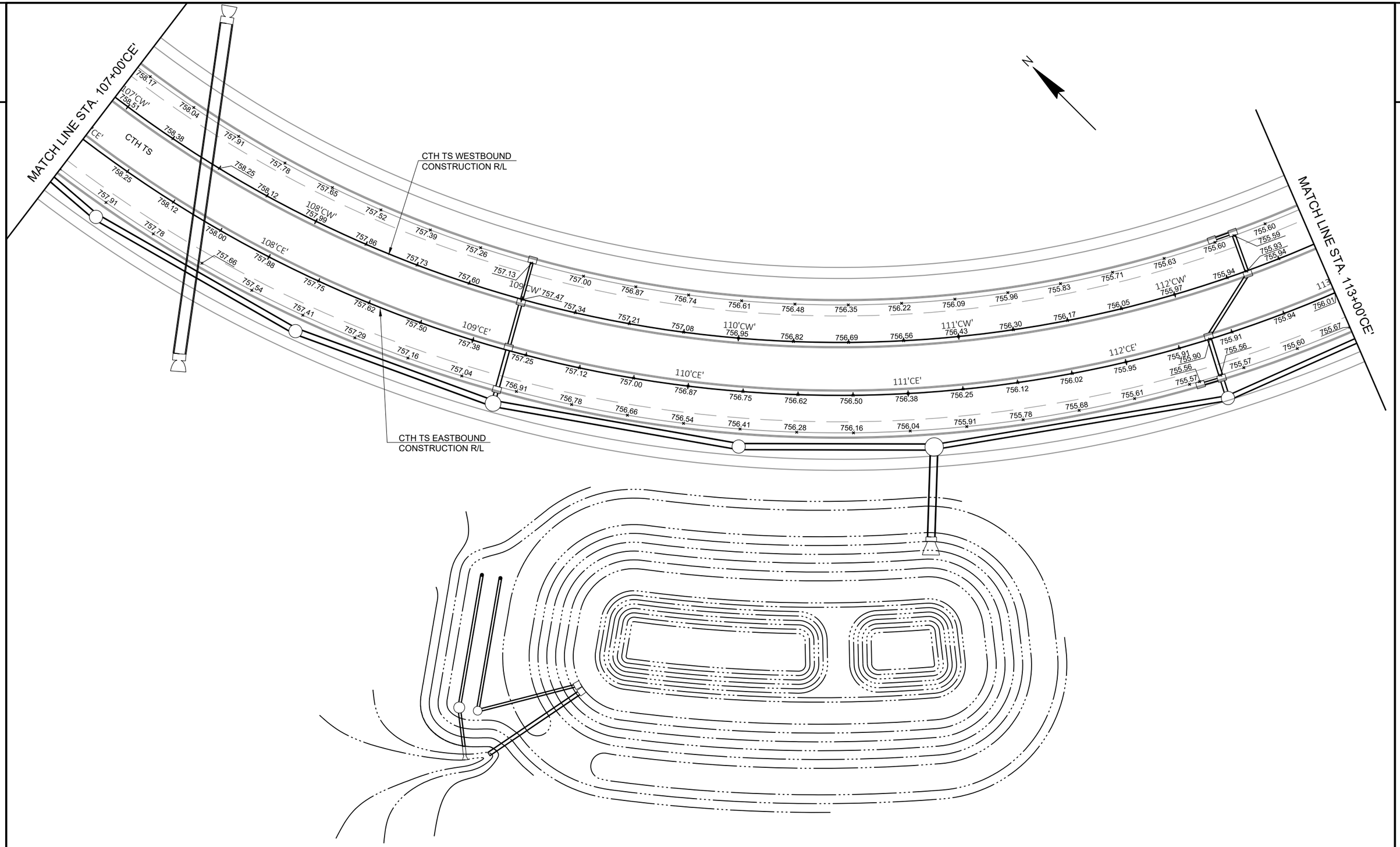
MATCH LINE STA. 107+00'CE'

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-CTH TS	SHEET 103	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021302-PGCE.DWG
LAYOUT NAME - 022209 pg

PLOT DATE : 4/30/2020 9:36 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

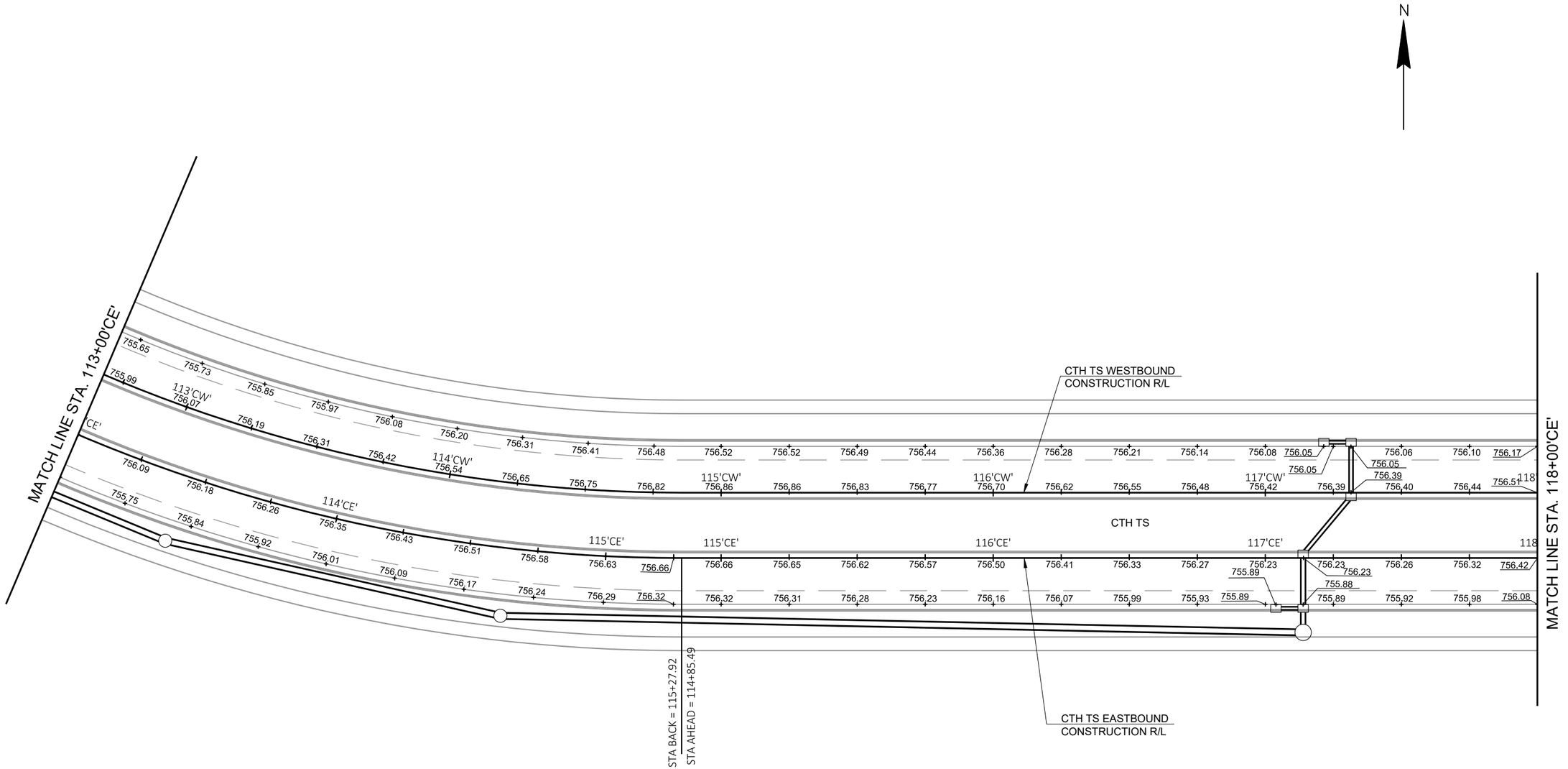


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-CTH TS	SHEET 104	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021302-PGCE.DWG
LAYOUT NAME - 022210 pg

PLOT DATE : 4/30/2020 9:36 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-CTH TS	SHEET 105	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021302-PGCE.DWG
LAYOUT NAME - 022211 pg

PLOT DATE : 4/30/2020 9:36 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

MATCH LINE STA. 118+00'CE'

CTH TS WESTBOUND
CONSTRUCTION R/L

CTH TS

WORK BY OTHERS

CONSTRUCTION LIMITS
STA. 119+76.20'CE'

CTH TS EASTBOUND
CONSTRUCTION R/L

CW' 756.51 756.62 756.75 756.87 756.99 757.12 757.24 757.32 757.33

119'CW' 120'CW' 121'CW' 122'CW' 123'CW' 124'CW'

CE' 756.42 756.55 756.71 756.89 757.06 757.24 757.37 757.46 757.46

119'CE' 120'CE' 121'CE' 122'CE' 123'CE' 124'CE'

756.08 756.21 756.37 756.55 756.72 756.90 757.03 757.12 757.12

756.17 756.28 756.41 756.53 756.65 756.78 756.90 756.98 756.99

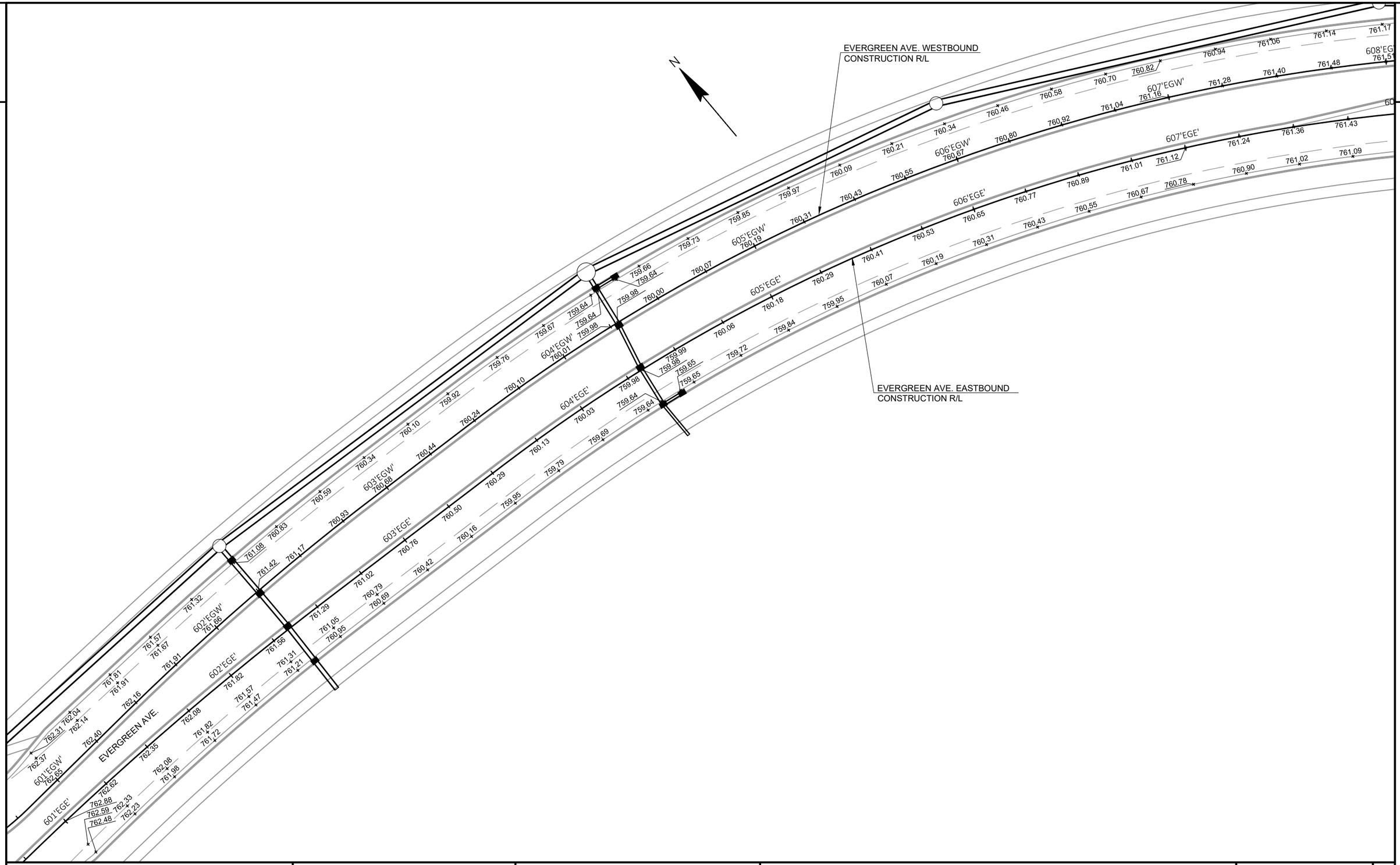
N. OVERLAND RD.

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-CTH TS	SHEET 106	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021302-PGCE.DWG
LAYOUT NAME - 022212 pg

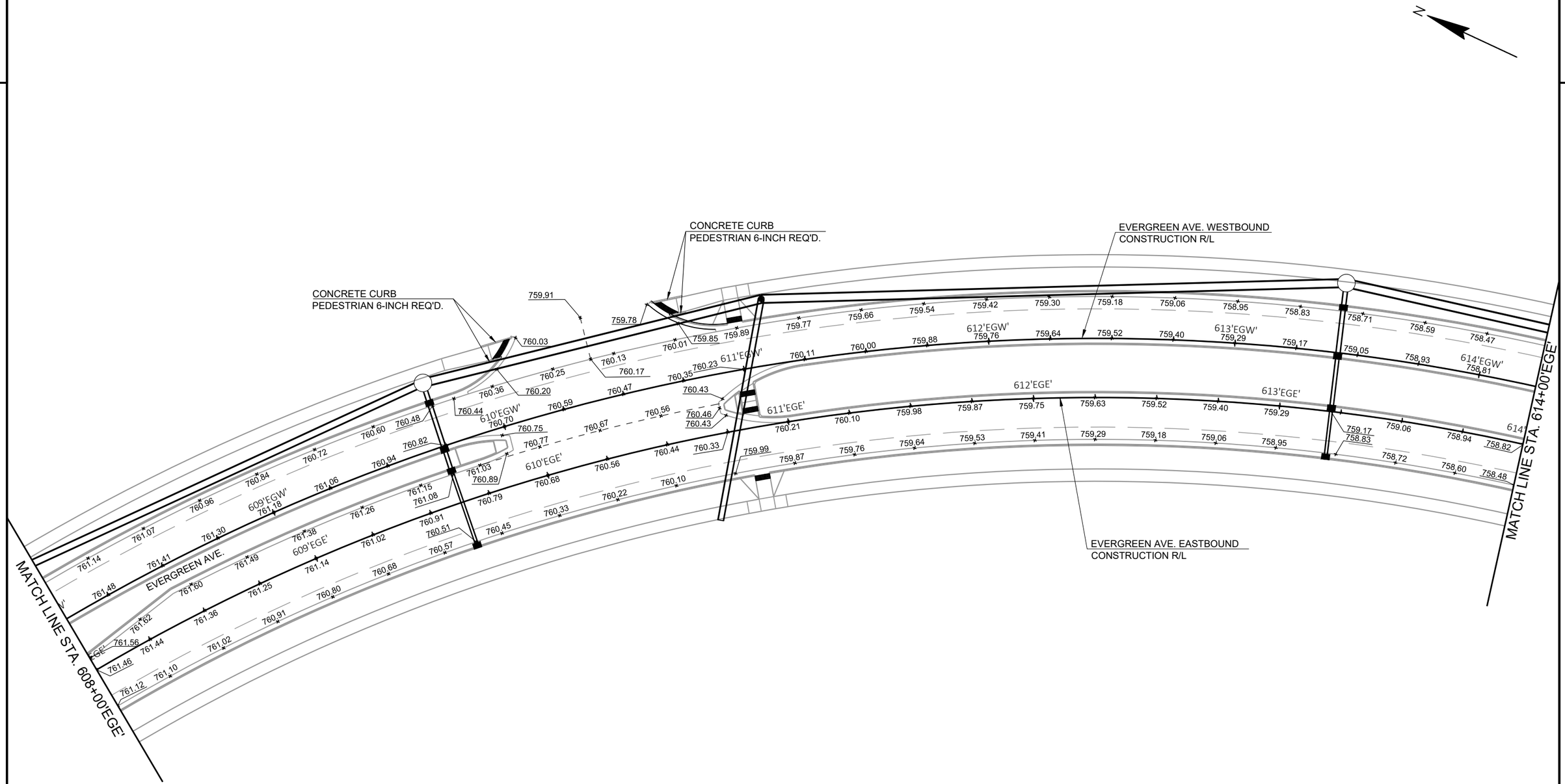
PLOT DATE : 4/30/2020 9:36 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

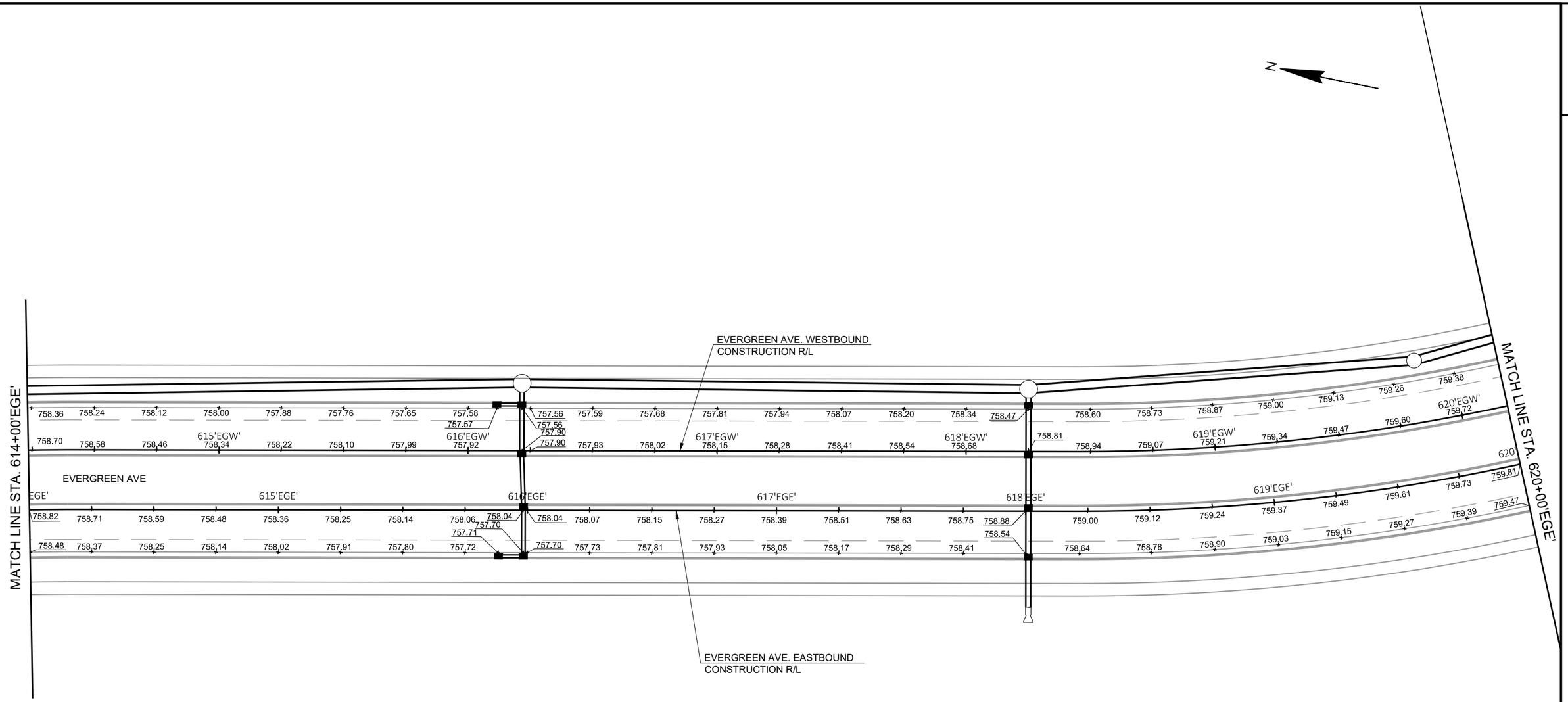


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-EVERGREEN AVE.	SHEET 107	E

2


N
CONCRETE CURB
PEDESTRIAN 6-INCH REQ'D.
CONCRETE CURB
PEDESTRIAN 6-INCH REQ'D.
EVERGREEN AVE. WESTBOUND
CONSTRUCTION R/L
759.91
759.78
760.03
759.85
759.89
759.77
759.66
759.54
759.42
759.30
759.18
759.06
758.95
758.83
758.71
758.59
758.47
612'EGW'
613'EGW'
614'EGW'
611'EGW'
610'EGW'
609'EGW'
612'EGE'
613'EGE'
611'EGE'
610'EGE'
609'EGE'
760.11
760.00
759.88
759.76
759.64
759.52
759.40
759.29
759.17
759.05
758.93
758.81
760.36
760.20
760.25
760.13
760.17
760.01
760.35
760.23
760.47
760.43
760.44
760.46
760.43
760.59
760.56
760.67
760.70
760.75
760.77
760.82
760.94
761.03
760.89
761.06
760.84
760.72
760.60
760.48
760.96
761.07
761.14
761.18
761.30
761.41
761.48
761.15
761.08
761.26
761.38
761.49
761.60
761.62
761.56
761.44
761.46
761.10
761.12
760.21
760.10
759.98
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759.75
759.63
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759.40
759.29
759.17
759.06
758.94
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758.48
759.99
759.87
759.76
759.64
759.53
759.41
759.29
759.18
759.06
758.95
758.83
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760.56
760.44
760.33
760.22
760.10
760.91
760.51
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760.33
760.68
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760.91
761.02
761.14
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761.36
761.02
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761.51
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761.87
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762.10
762.21
762.33
762.44
762.56
762.67
762.79
762.89
763.00
763.12
763.23
763.35
763.46
763.58
763.69
763.81
763.92
764.04
764.15
764.27
764.38
764.50
764.61
764.73
764.84
764.96
765.07
765.19
765.30
765.42
765.53
765.65
765.76
765.88
765.99
766.11
766.22
766.34
766.45
766.57
766.68
766.80
766.91
767.03
767.14
767.26
767.37

2



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-EVERGREEN AVE.	SHEET 109	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021303-PGEG.DWG
LAYOUT NAME - 022215 pg

PLOT DATE : 4/30/2020 9:44 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

MATCH LINE STA. 620+00'EGE'

MATCH LINE STA. 626+00'EGE'

EVERGREEN AVE. WESTBOUND
CONSTRUCTION R/L

EVERGREEN AVE.

EVERGREEN AVE. EASTBOUND
CONSTRUCTION R/L

CONCRETE CURB
PEDESTRIAN 6-INCH REQ'D.

CONCRETE CURB
PEDESTRIAN 6-INCH REQ'D.

CONNECTION RD. 701'CN'

621'EGW' 622'EGW' 623'EGW' 624'EGW' 625'EGW' 626'E

621'EGE' 622'EGE' 623'EGE' 624'EGE' 625'EGE' 626

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-EVERGREEN AVE.	SHEET 110	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021303-PGEG.DWG
LAYOUT NAME - 022216 pg

PLOT DATE : 4/30/2020 9:45 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

MATCH LINE STA. 626+00'EGE'

EVERGREEN AVE. WESTBOUND
CONSTRUCTION R/L

CONCRETE CURB
PEDESTRIAN 6-INCH REQ'D.

CONCRETE CURB
PEDESTRIAN 6-INCH REQ'D.

EVERGREEN AVE.

EVERGREEN AVE. EASTBOUND
CONSTRUCTION R/L

MATCH LINE STA. 632+00'EGE'

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-EVERGREEN AVE.	SHEET 111	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021303-PGEG.DWG
LAYOUT NAME - 022217 pg

PLOT DATE : 4/30/2020 9:45 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : Custom

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE STA. 632+00'EGE'

MATCH LINE STA. 638+00'EGE'

EVERGREEN AVE. WESTBOUND
CONSTRUCTION R/L

EVERGREEN AVE.

EVERGREEN AVE. EASTBOUND
CONSTRUCTION R/L

633'EGW' 634'EGW' 635'EGW' 636'EGW' 637'EGW'

633'EGE' 634'EGE' 635'EGE' 636'EGE' 637'EGE'

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-EVERGREEN AVE.	SHEET 112	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021303-PGEG.DWG
LAYOUT NAME - 022218 pg

PLOT DATE : 4/30/2020 9:45 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : Custom

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE STA. 638+00'EGE'

EVERGREEN AVE. WESTBOUND
CONSTRUCTION R/L

EVERGREEN AVE.

753.86 753.96 753.85 753.95 753.87 753.97 753.92 754.02 753.97 754.07 754.01 754.11 754.06 754.16 754.11 754.21 754.15 754.25 754.17 754.27 754.20 754.30 754.23 754.27 754.32 754.36 754.41 754.45 754.49 754.52

639'EGW' 639'EGE' 640'EGE' 641'EGE' 642'EGE' 643'EGE' 644'EGE'

754.20 754.19 754.21 754.26 754.31 754.35 754.40 754.45 754.49 754.51 754.54 754.56 754.59 754.61 754.64 754.66 754.69 754.71 754.74

754.34 754.34 754.36 754.39 754.41 754.44 754.46 754.49

754.10 754.00 754.10 754.00 754.12 754.02 754.15 754.05 754.17 754.07 754.20 754.10 754.22 754.12 754.25 754.15 754.27 754.17 754.30 754.20 754.24 754.28 754.32 754.37 754.41 754.46 754.49 754.52

EVERGREEN AVE.

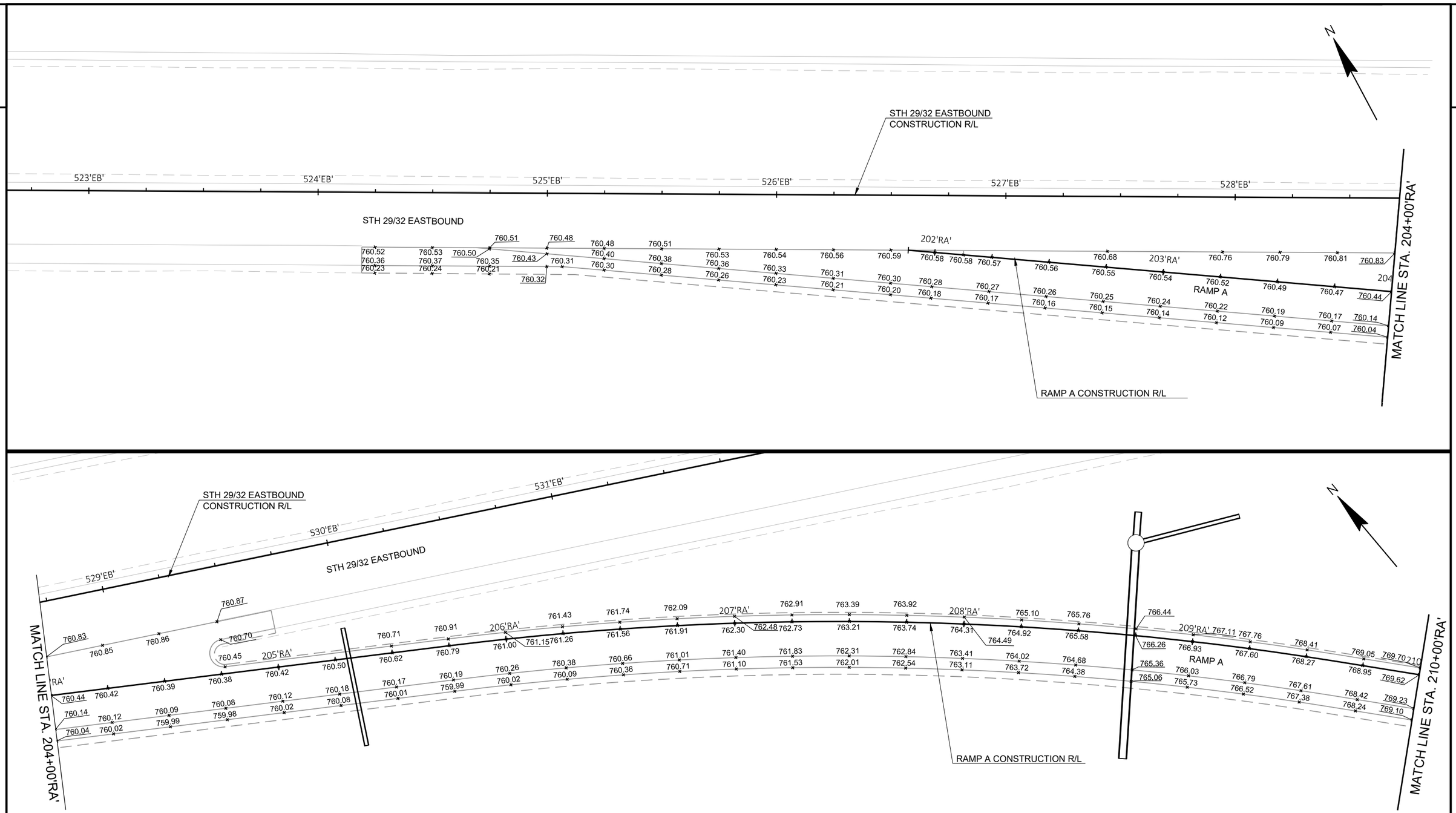
CONSTRUCTION LIMITS
STA. 642+50'EGE'

EVERGREEN AVE. EASTBOUND
CONSTRUCTION R/L

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-EVERGREEN AVE.	SHEET 113	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021303-PGEG.DWG
LAYOUT NAME - 022219 pg

PLOT DATE : 4/30/2020 9:45 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-RAMP A	SHEET 114	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021305-PGRA.DWG
LAYOUT NAME - 022220 pg

PLOT DATE : 4/30/2020 9:52 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

MATCH LINE STA. 210+00'RA'

MATCH LINE STA. 216+00'RA'

RAMP A CONSTRUCTION R/L

RAMP A

RA' 769.70 770.34 770.99 771.63 211'RA' 772.27 772.93 773.60 774.27 212'RA' 774.91 775.53 776.13 776.70 213'RA' 777.24 777.76 778.26 778.73 214'RA' 779.17 779.59 779.98 780.35 780.70 215'RA' 781.00 781.08 781.37 781.64 781.89 216

769.62 770.29 770.97 771.64 772.31 772.99 773.66 774.33 774.97 775.59 776.19 776.76 777.30 777.82 778.32 778.79 779.23 779.65 780.04 780.41 780.76 781.10' 781.14 781.16 781.28 781.27 781.44 781.64

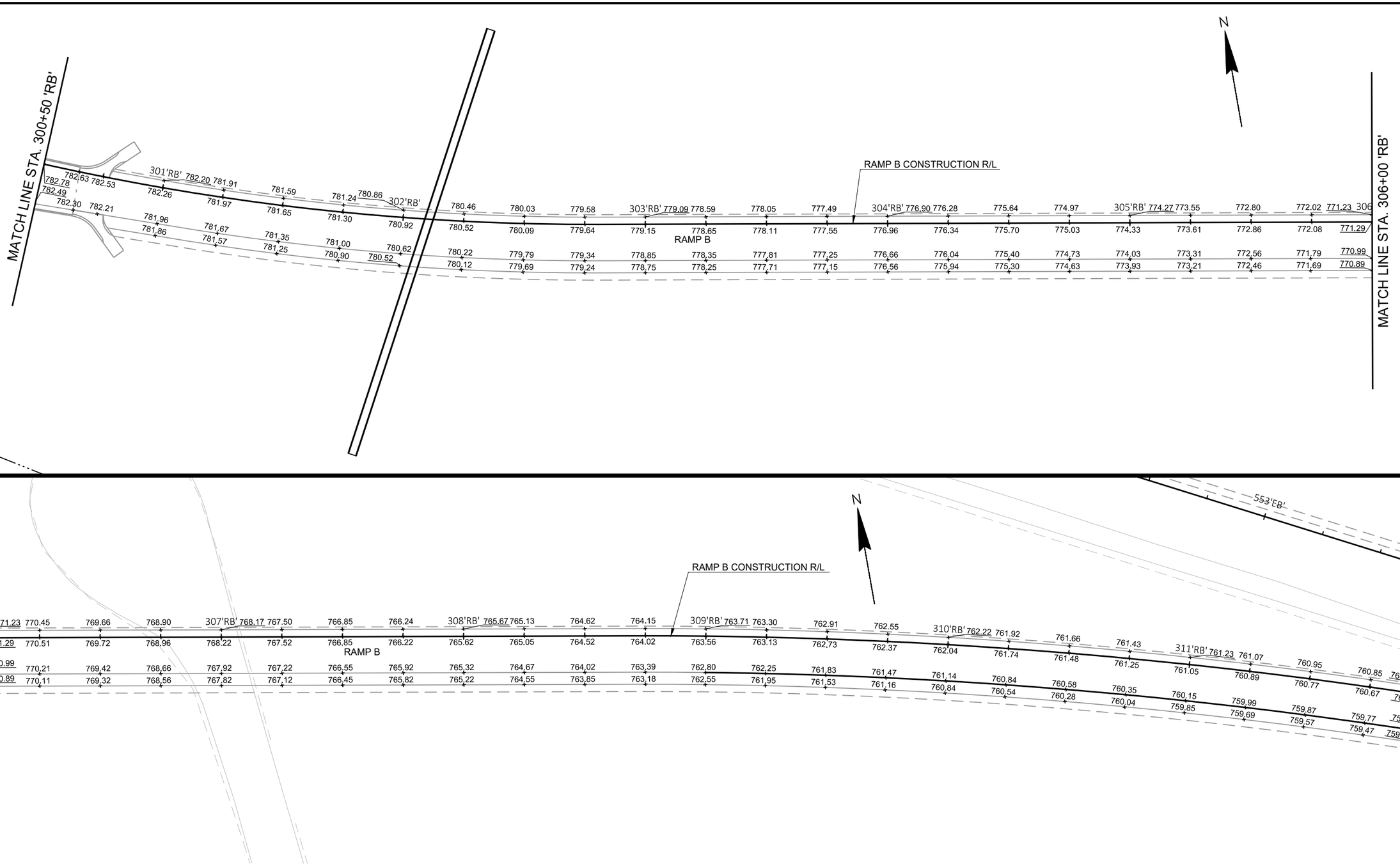
769.23 769.99 770.67 771.34 772.01 772.69 773.45 774.28 775.10 775.89 776.49 777.06 777.60 778.12 778.62 779.09 779.53 779.96 780.34 780.71 781.06 781.13

769.10 769.89 770.57 771.24 771.91 772.59 773.38 774.27 775.14 775.99 776.59 777.16 777.70 778.22 778.72 779.19 779.63 780.06 780.44 780.81 780.98

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-RAMP A	SHEET 115	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021305-PGRA.DWG
LAYOUT NAME - 022221 pg

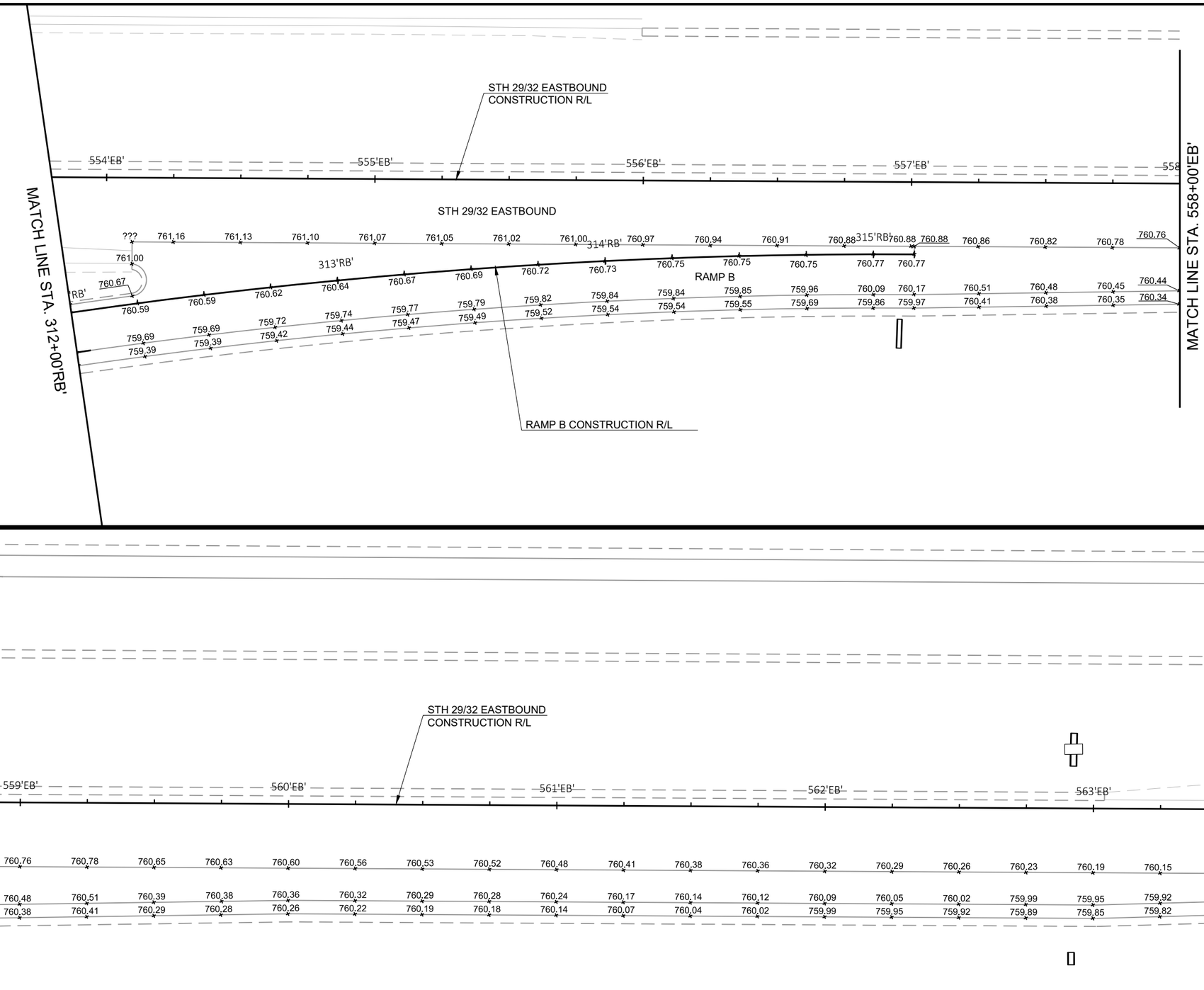
PLOT DATE : 4/30/2020 9:53 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-RAMP B	SHEET 116	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021305-PGRB.DWG
LAYOUT NAME - 022222 pg

PLOT DATE : 4/30/2020 10:00 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT



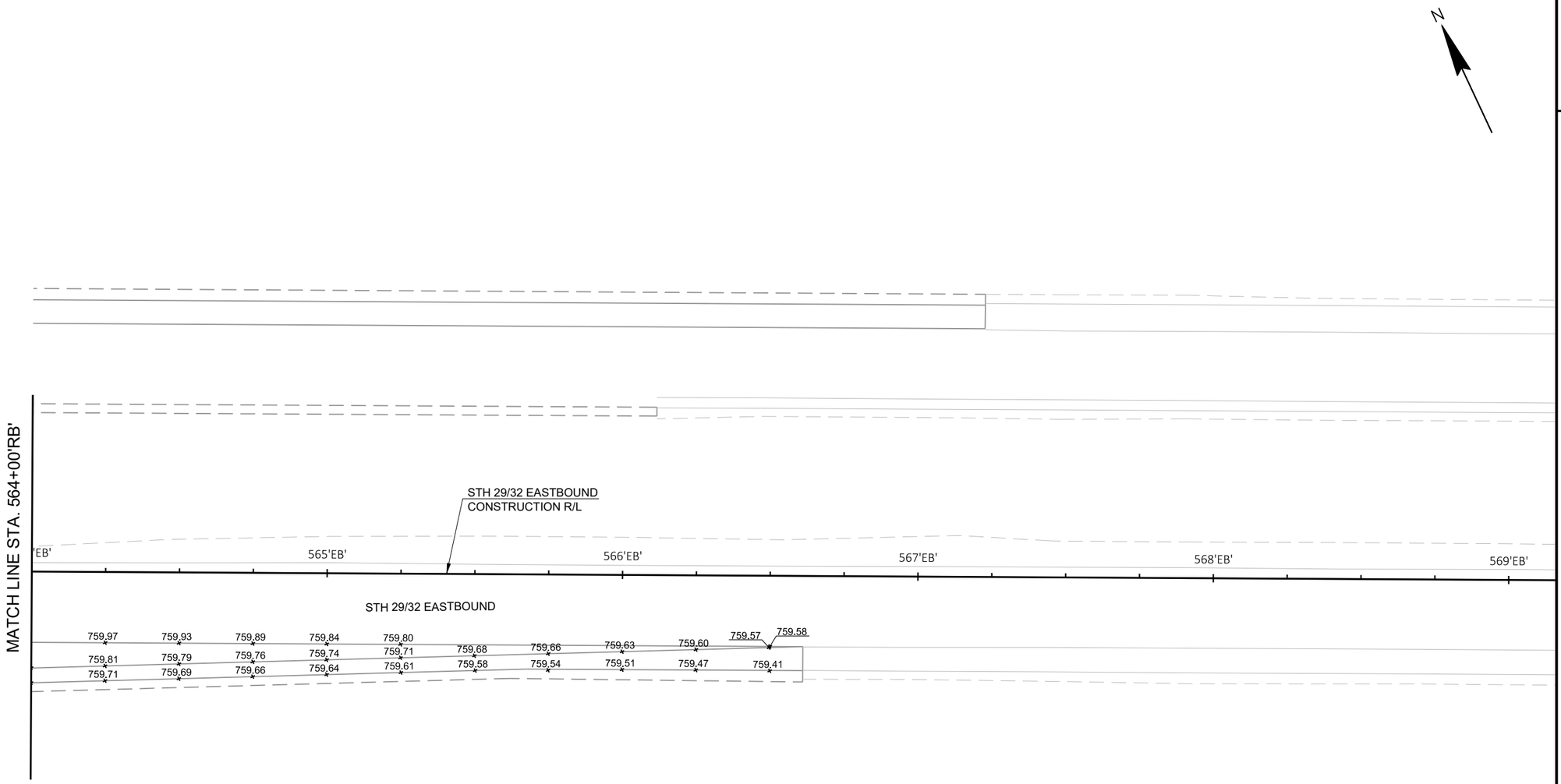
2

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-RAMP B	SHEET 117	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021305-PGRB.DWG
LAYOUT NAME - 022223 pg
PLOT DATE : 4/30/2020 10:00 PM
PLOT BY : VERVILLE, PHILLIP
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2



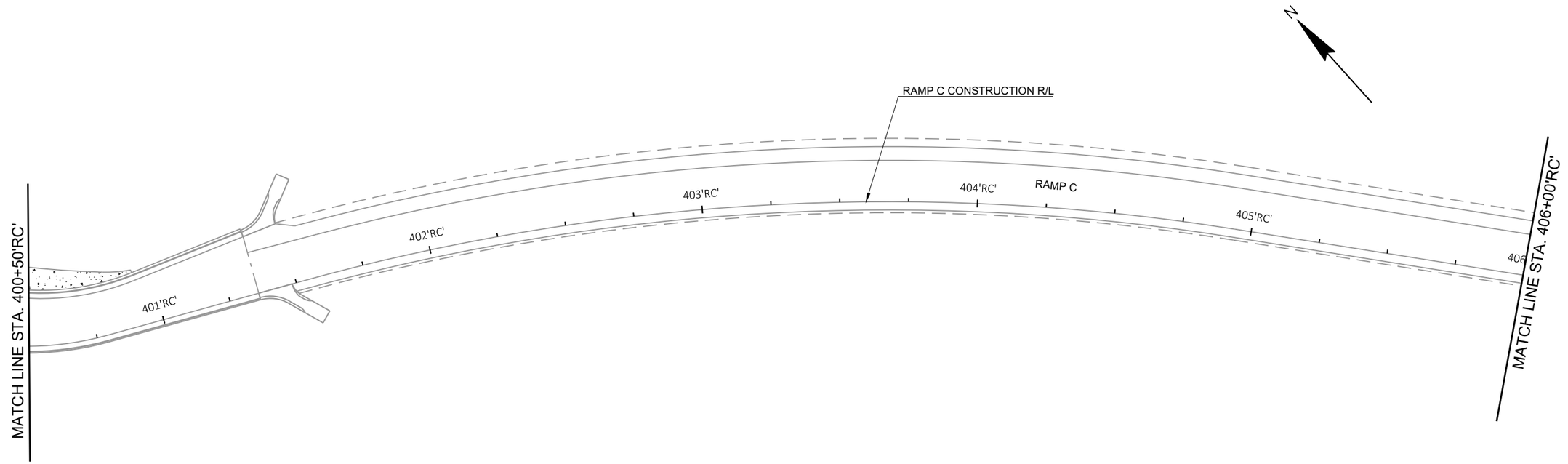
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-RAMP B	SHEET 118	E

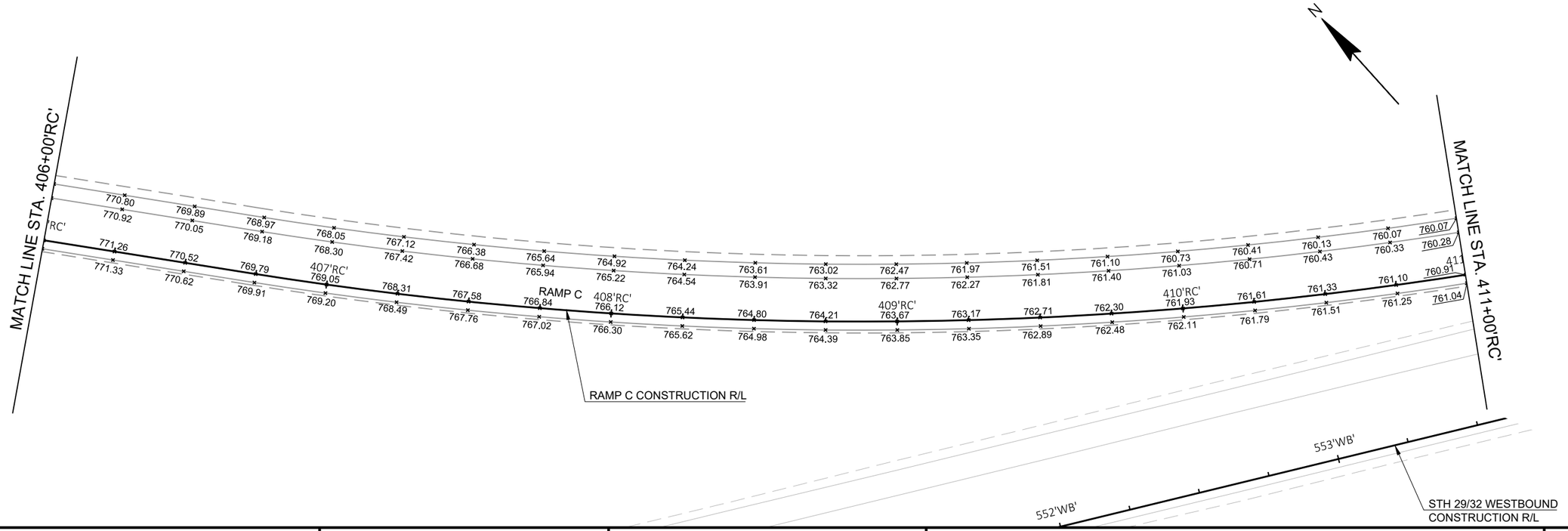
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021305-PGRB.DWG
LAYOUT NAME - 022224 pg

PLOT DATE : 4/30/2020 10:00 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2





PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-RAMP C	SHEET 119	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021306-PGRC.DWG
LAYOUT NAME - 022225 pg

PLOT DATE : 4/30/2020 10:31 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

MATCH LINE STA. 411+00'RC'

RAMP C CONSTRUCTION R/L

760.11 760.20 760.21 760.20 760.21 760.22 760.23 760.24 760.25 760.27 760.28 760.29
760.28 760.32 760.31 760.30 760.31 760.32 760.33 760.34 760.35 760.37 760.38 760.39 760.30 760.31 760.36 760.38 760.39 760.38 760.41 760.42 760.40 760.39 760.48 760.44
760.40 760.41 760.46 760.48 760.49 760.48 760.48 760.52 760.53

'RC' 760.76 760.66 760.61 412'RC' 760.60 760.61 760.62 760.63 413'RC' 760.64 760.65 760.67 760.68 414'RC' 760.69 760.70 760.70
760.70
760.94

RAMP C

761.12 761.11 761.07 761.03 760.98 760.93 760.89 760.85 760.83 760.80 760.77 760.73 760.72 760.70 760.73 760.70 760.68 760.63 760.58 760.58 760.56 ??? ??? ??? ???

STH 29/32 WESTBOUND

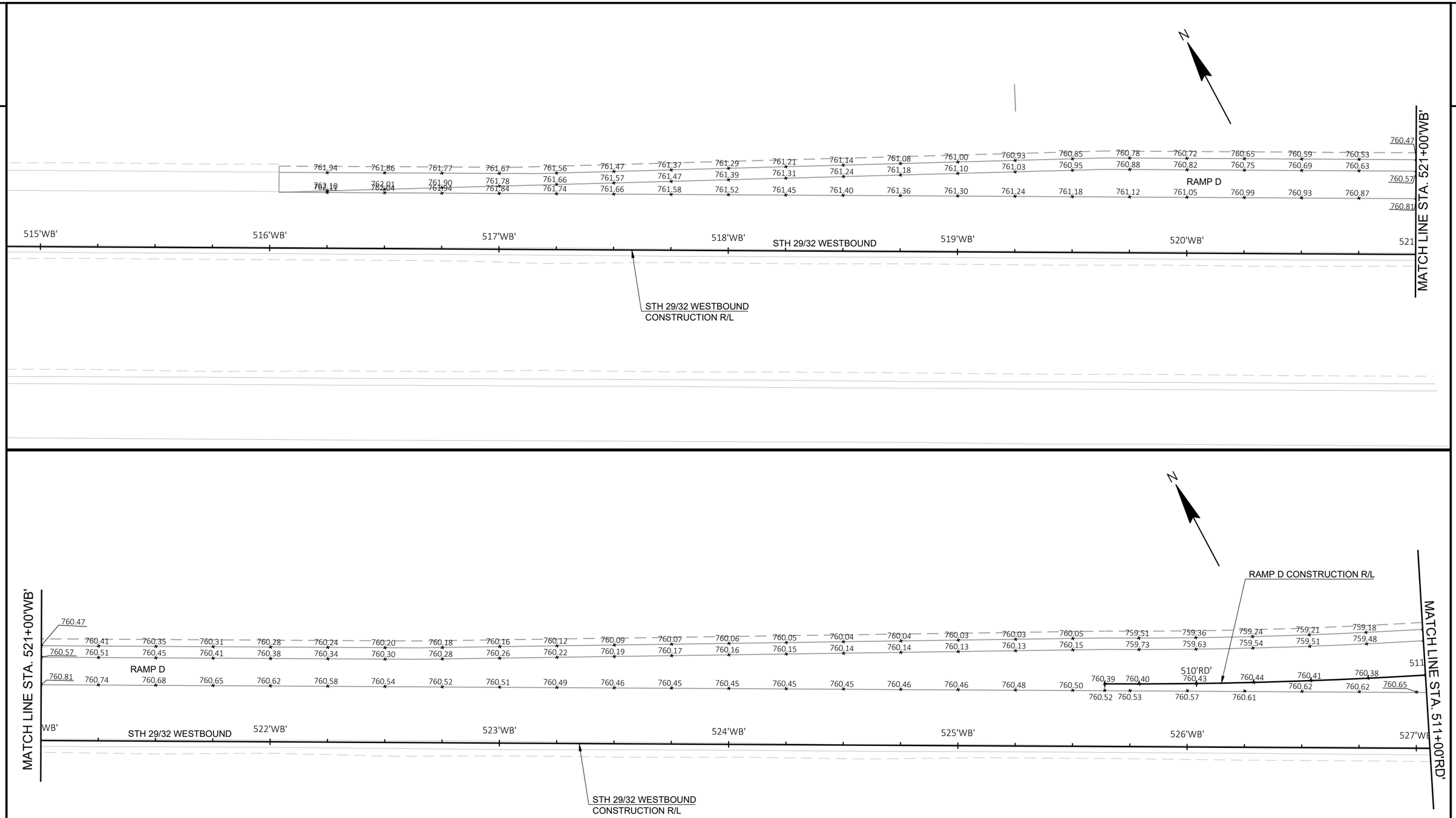
554'WB' 555'WB' 556'WB' 557'WB' 558'WB' 559'WB'

STH 29/32 WESTBOUND
CONSTRUCTION R/L

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-RAMP C	SHEET 120	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021306-PGRC.DWG
LAYOUT NAME - 022226 pg

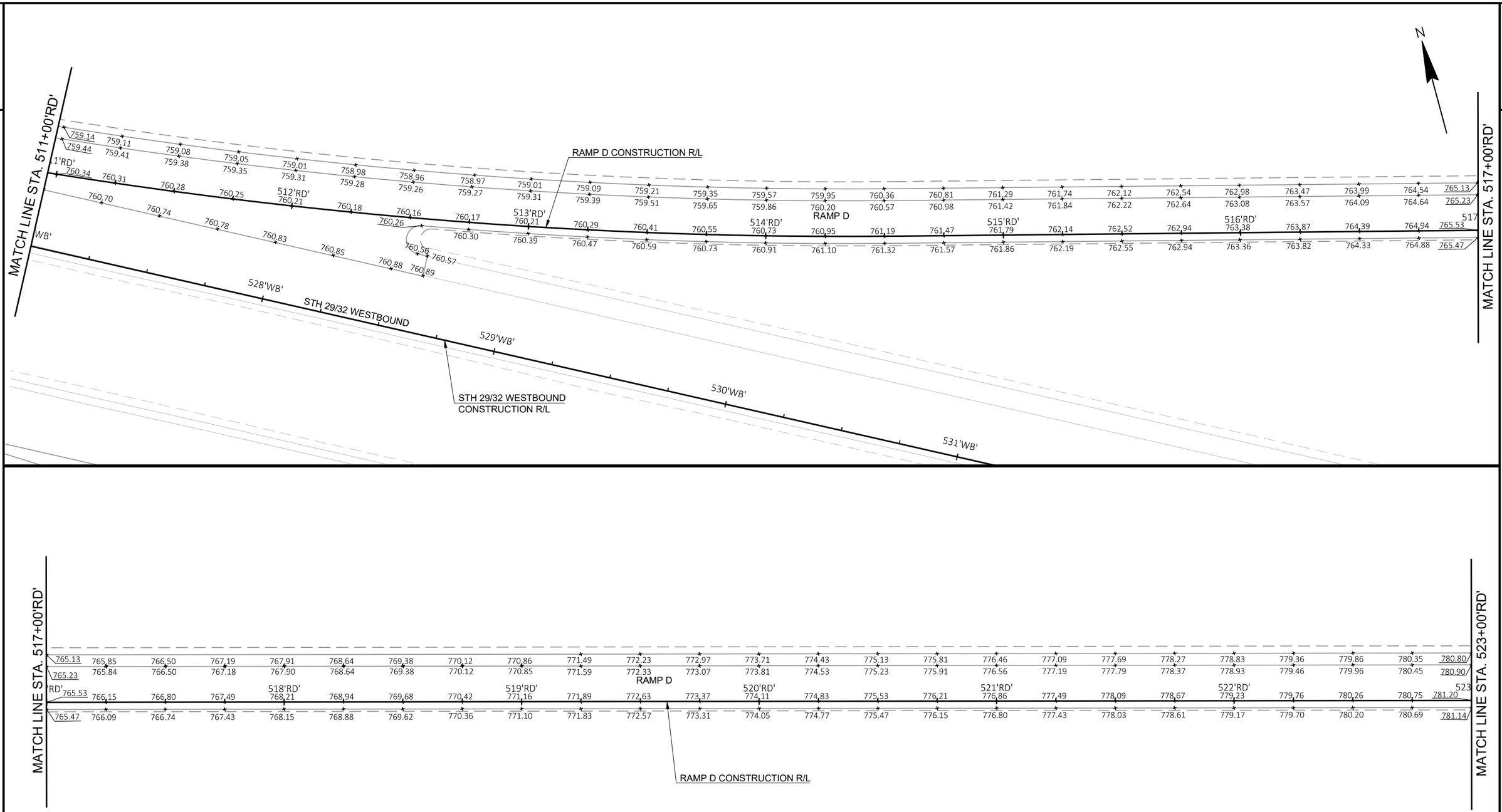
PLOT DATE : 4/30/2020 10:31 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-RAMP D	SHEET 121	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021307-PGRD.DWG
LAYOUT NAME - 022227 pg

PLOT DATE : 4/30/2020 10:34 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

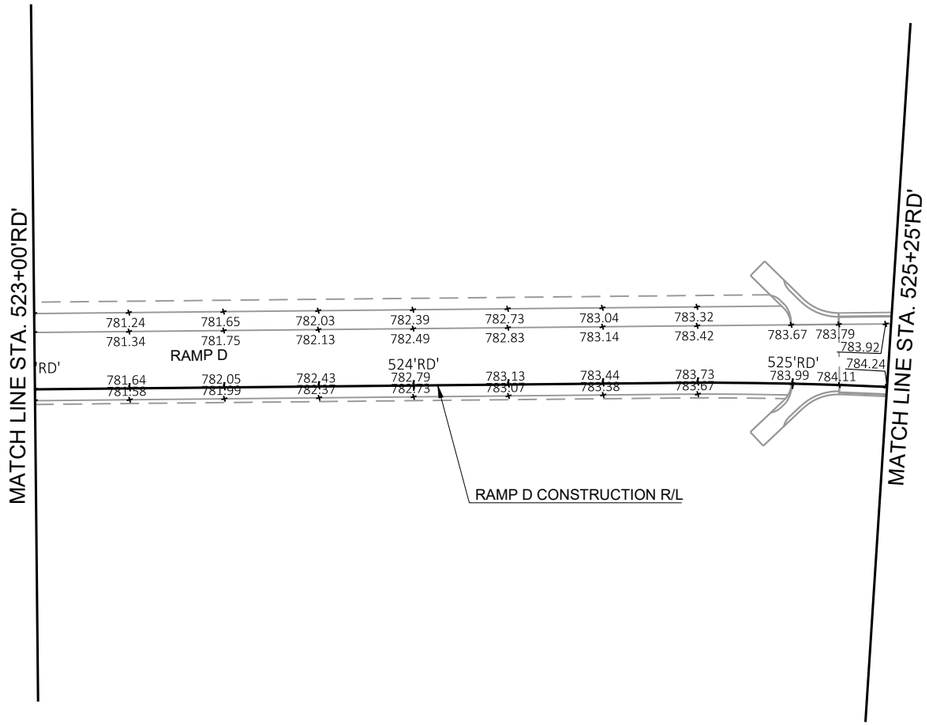


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT GRADES-RAMP D	SHEET 122	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021307-PGRD.DWG
LAYOUT NAME - 022228 pg

PLOT DATE : 4/30/2020 10:34 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN GRADES-RAMP D	SHEET 123	E

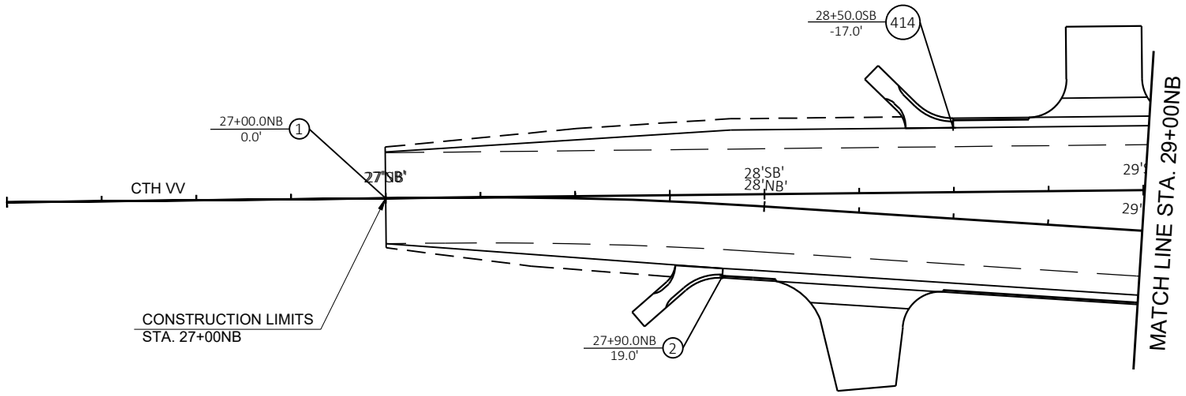
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021307-PGRD.DWG
LAYOUT NAME - 022229 pg

PLOT DATE : 4/30/2020 10:34 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
1	589128.11	57311.72
2	589107.59	57400.61
414	589146.73	57461.54



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN OFFSETS-CTH VV	SHEET 124	E

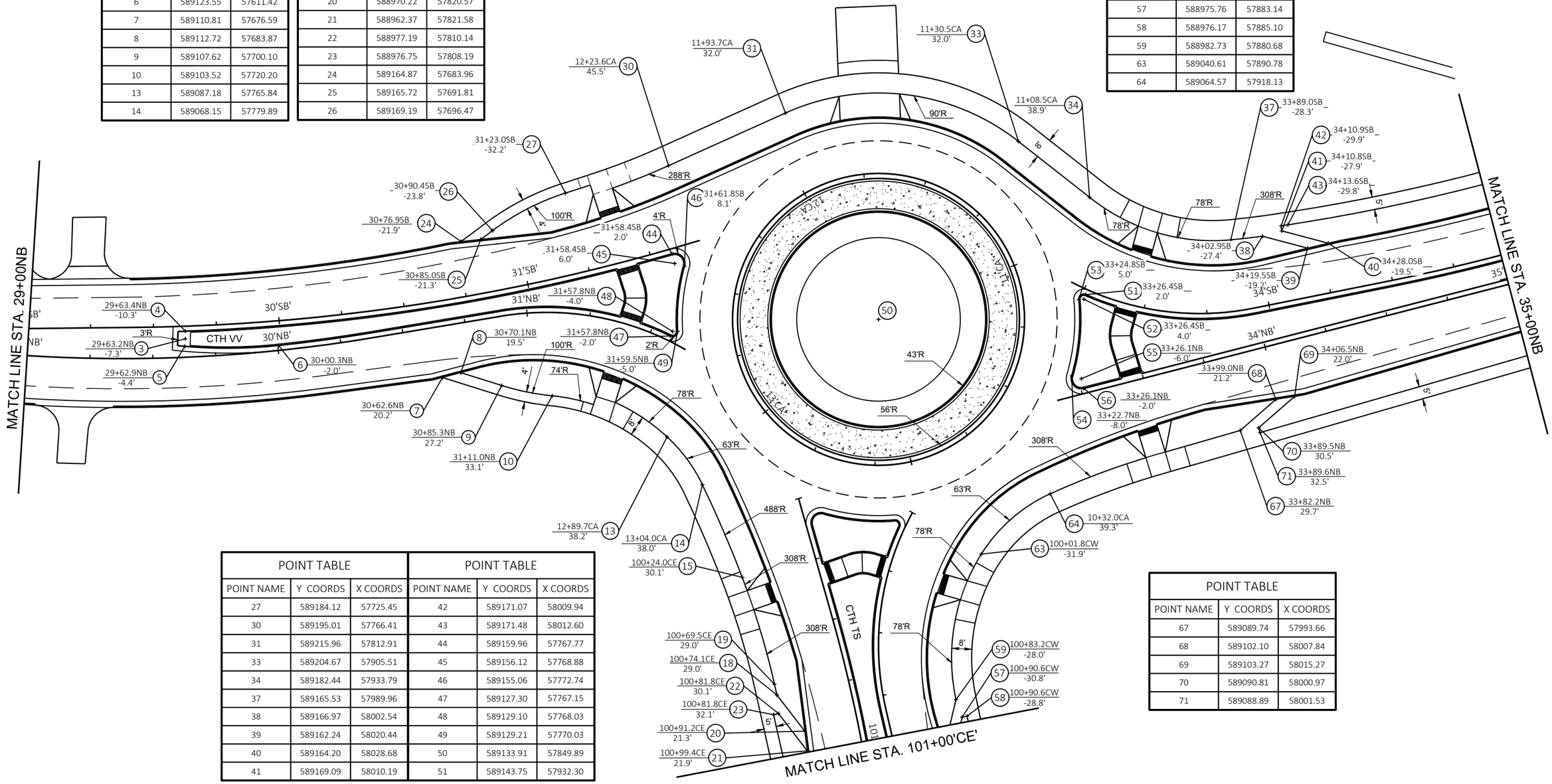
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021401-SOVV.DWG
LAYOUT NAME - 021401 so

PLOT DATE : 4/30/2020 1:33 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
3	589126.18	57574.35
4	589129.18	57574.37
5	589123.19	57574.10
6	589123.55	57611.42
7	589110.81	57676.59
8	589112.72	57683.87
9	589107.62	57700.10
10	589103.52	57720.20
13	589087.18	57765.84
14	589068.15	57779.89

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
15	589031.37	57795.72
18	588984.56	57809.51
19	588988.85	57808.55
20	588970.22	57820.57
21	588962.37	57821.58
22	588977.19	57810.14
23	588976.75	57808.19
24	589164.87	57683.96
25	589165.72	57691.81
26	589169.19	57696.47

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
52	589141.92	57931.50
53	589141.73	57929.51
54	589111.46	57926.68
55	589110.34	57930.51
56	589106.46	57931.51
57	588975.76	57883.14
58	588976.17	57885.10
59	588982.73	57880.68
63	589040.61	57890.78
64	589064.57	57918.13



POINT TABLE		
POINT NAME	Y COORDS	X COORDS
27	589184.12	57725.45
30	589195.01	57766.41
31	589215.96	57812.91
33	589204.67	57905.51
34	589182.44	57933.79
37	589165.53	57989.96
38	589166.97	58002.54
39	589162.24	58020.44
40	589164.20	58028.68
41	589169.09	58010.19

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
42	589171.07	58009.94
43	589171.48	58012.60
44	589159.96	57767.77
45	589156.12	57768.88
46	589155.06	57772.74
47	589127.30	57767.15
48	589129.10	57768.03
49	589129.21	57770.03
50	589133.91	57849.89
51	589143.75	57932.30

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
67	589089.74	57993.66
68	589102.10	58007.84
69	589103.27	58015.27
70	589090.81	58000.97
71	589088.89	58001.53

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN OFFSETS-CTH VV	SHEET 125	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021401-SOVV.DWG
LAYOUT NAME - 021402 so

PLOT DATE : 4/27/2020 5:56 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
79	589478.55	58578.10
80	589485.38	58581.46
81	589488.62	58594.17
82	589487.53	58595.85
83	589495.31	58597.31
86	589522.63	58581.94
87	589512.47	58595.15
88	589556.73	58621.10
89	589558.54	58620.24
90	589560.17	58621.40

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
91	589671.02	58733.33
92	589673.29	58736.62
93	589671.92	58740.38
94	589653.56	58767.05
95	589700.27	58781.69
96	589779.51	58812.70
97	589780.64	58810.61
98	589475.07	58575.86
99	589513.00	58538.20
100	589517.10	58540.24

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
101	589532.77	58541.18
102	589533.71	58539.41
103	589522.11	58532.79
104	589524.02	58544.66
105	589539.25	58545.57
106	589547.08	58560.01
107	589546.15	58561.79
108	589538.72	58575.96
111	589577.54	58595.90
112	589576.08	58599.62

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
113	589578.43	58602.86
114	589691.23	58713.18
115	589694.67	58713.46
116	589692.87	58714.32
117	589616.68	58571.52
118	589666.43	58565.74
119	589640.14	58582.21
120	589640.04	58581.22
122	589677.43	58560.20
125	589672.86	58599.32

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
126	589673.69	58601.13
127	589672.52	58602.75
128	589700.81	58618.16
129	589713.81	58649.93
130	589720.91	58685.54
131	589750.50	58732.62
132	589754.04	58735.35
133	589761.61	58750.26
134	589764.51	58743.17
135	589763.31	58744.76

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
136	589767.66	58753.33
137	589783.46	58783.17
138	589802.39	58771.22
139	589801.44	58772.98
140	589790.61	58769.88
141	589809.46	58766.51
146	589530.74	58671.40
147	589659.61	58564.23
155	589555.78	58717.52
156	589559.38	58719.26

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
157	589562.53	58716.79
158	589594.27	58751.90
159	589604.10	58754.92
164	589581.69	58671.09
165	589591.66	58670.27
166	589584.08	58665.42
167	589612.23	58628.18
168	589617.22	58625.33
169	589618.97	58634.15
170	589625.55	58667.51

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
392	589779.66	58790.22
393	589780.08	58821.10
395	589642.90	58580.14
396	591291.33	59302.71
398	589773.98	58800.78
399	589772.55	58803.42
400	589789.14	58772.61

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
171	590038.84	58889.97
172	590039.15	58898.66
173	590044.94	58910.29
174	590038.21	58900.42
175	590035.46	58927.90
176	590029.78	58938.47
177	590017.39	58938.05
178	590016.44	58939.81
179	590049.30	58956.69
180	590055.35	58959.76

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
181	590053.54	58965.02
182	590052.32	58966.61
183	590062.95	58974.72
184	590066.86	58977.70
185	590096.06	59024.48
186	590145.03	58969.64
187	590143.66	58973.39
188	590145.93	58976.68
189	590122.29	58996.56
190	590124.09	58995.69

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
191	590125.73	58996.83
192	590191.41	59042.50
195	590118.03	58928.84
196	590163.46	58942.98
197	590233.30	59032.78
198	590224.53	59034.81
199	590232.44	59039.11
200	590204.46	59081.54
201	590197.39	59075.97
202	590198.98	59084.83

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
203	590103.15	59060.08
204	590117.66	59094.08
205	590134.41	59118.03
206	590127.86	59122.61
207	590146.28	59108.55
208	590145.15	59110.20
209	590146.04	59112.00
212	590179.31	59128.16
213	590179.43	59129.16
214	590172.84	59131.84

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
215	590141.80	59152.27
216	590153.68	59145.57
217	590160.56	59146.86
218	590202.27	59137.83
221	590285.16	59160.59
222	590302.15	59158.56
223	590309.11	59161.75
224	590291.55	59163.85
225	590290.90	59165.75
226	590335.28	59181.04

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
231	590286.40	59023.95
234	590316.90	59092.29
235	590352.76	59111.53
236	590363.00	59123.13
237	590371.66	59126.89
238	590359.92	59113.59
239	590360.72	59111.76
240	590276.47	59146.22
241	590277.18	59144.35
242	590282.31	59129.19

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
243	590315.41	59107.07
244	590307.36	59121.65
245	590260.72	59082.45
246	590262.46	59083.45
247	590263.34	59082.24
248	590239.64	59106.33
249	590242.05	59109.52
250	590240.80	59113.31
251	590248.87	58986.83
252	590251.74	58984.05

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
253	590254.68	58986.76
394	590265.53	59153.83
403	590284.34	59035.05
404	590330.80	59110.96
405	590330.43	59111.89
407	590337.62	59104.79

MATCH LINE STA. 46+00NB

MATCH LINE STA. 525+25RD

MATCH LINE STA. 400+50RC

MATCH LINE STA. 52+00NB

STH 29/STH 32 WESTBOUND

MARLEY ST.

RAMP D

RAMP C

47+31.6SB -19.5' 172
47+27.3SB -27.0' 171
47+31.6SB -19.5' 174
47+42.3SB -12.0' 173
48+19.1SB -27.0' 195
48+66.9SB -29.4' 196
338'R
48+58.8SB 2.0' 186
48+58.8SB 6.0' 187
48+71.5NB -4.0' 190
48+71.5NB -2.0' 189
48+73.2NB -5.0' 191
78'R
48+62.1SB 8.3' 188
4'R
401 47+42.3SB 0.0'
47+59.2NB 0.0' 175
47+85.1NB 18.8' 179
47+91.9NB 18.6' 180
47+92.8NB 24.1' 181
47+92.4NB 26.1' 182
48+13.3NB 28.6' 184
48+06.7NB 28.1' 183
33+53.6CC 39.0' 185
47+48.1NB 17.5' 177
47+48.1NB 19.5' 178
47+59.3NB 12.0' 176
30+11.4CC 32.0' 203
90'R
30+35.4CC 32.0' 204
400+07.4RC 4.0' 208
400+20.2RC 2.5' 205
400+28.0RC 2.5' 206
2'R
525+71.8RD 6.0 252
525+75.5RD 7.7 251
288'R
525+73.3RD 2.3 31+93.4CC 38.8' 253 231
175'R
4'R
31+86.9CC 35.2' 403
80'R
110'R
245 50+24.0SB 5.0'
2'R
247 50+25.0SB 2.6'
50+84.1SB -16.7' 243
244 50+84.1SB 0.0'
246 50+25.6SB 4.0'
249 50+41.3NB -6.0'
242 50+85.7NB 0.0'
241 50+85.7NB 16.0'
50+85.6NB 18.0' 240
50+41.3NB -2.0' 250
234 50+76.0SB -30.1'
404 51+01.8SB -19.5'
405 51+01.8SB -18.5'
407 51+05.8SB -27.8'
235 51+22.3SB -27.3'
239 51+29.8SB -30.1'
238 51+29.7SB -28.1'
2983'R
237 51+45.6SB -20.2'
236 51+36.2SB -20.4'
100'R
2986'R
222 51+14.2NB 21.3'
226 51+53.5NB 31.0'
223 51+21.9NB 21.9'
224 51+05.8NB 29.8'
225 51+05.8NB 31.8'
221 50+98.6NB 28.8'
50+65.5NB 28.7'
394 50+77.6NB 28.7'
388'R
31+95.4CC -15.0' 197
31+95.4CC -24.0' 198
31+87.0CC -16.8' 199
299'R
50+38.0NB -8.3' 248
192
43'R
31+09.8CC -16.8' 200
31+01.4CC -24.0' 201
56'R
9'R
31+01.4CC -15.0' 202
212 30+83.0CC 28.5'
400+05.7RC 5.0' 207
209 400+07.4RC 2.0'
30+79.2CC 33.3' 214
58'R
218 30+97.7CC 37.9'
213 30+83.1CC 29.5'
50'R
150'R
217 400+10.9RC -35.6'
216 400+18.6RC -31.1'
5'R
350'R
215 400+37.2RC -29.3'

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN OFFSETS-MARLEY ST.	SHEET 127 E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021401-SOVV.DWG
LAYOUT NAME - 021404 so

PLOT DATE : 4/27/2020 5:56 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
254	591009.22	59323.45
255	591013.48	59323.44
256	591020.83	59322.57
257	591030.50	59331.57
258	591030.49	59333.57
259	591037.82	59330.61
262	591094.75	59354.88
263	591108.59	59377.58
266	591134.71	59453.65
267	591125.01	59467.05

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
268	591133.67	59482.02
269	591122.55	59474.38
270	591124.54	59474.23
271	591133.52	59489.75
272	591109.07	59322.42
273	591112.24	59321.05
274	591110.26	59320.81
275	591030.54	59270.52
276	591034.83	59270.15
277	591050.41	59261.46

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
278	591050.29	59259.46
279	591042.60	59270.40
280	591057.57	59262.05
281	591064.43	59261.65
284	591135.48	59250.85
285	591168.84	59229.87
289	591116.05	59289.46
290	591120.01	59295.22
291	591116.43	59293.44
292	591191.64	59330.85

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
293	591197.19	59248.04
294	591198.66	59251.16
295	591198.84	59249.17
296	591223.49	59257.47
297	591225.08	59253.80
298	591228.51	59254.47
299	591219.80	59182.37
300	591216.80	59182.43
301	591222.79	59182.11
302	591214.41	59194.29

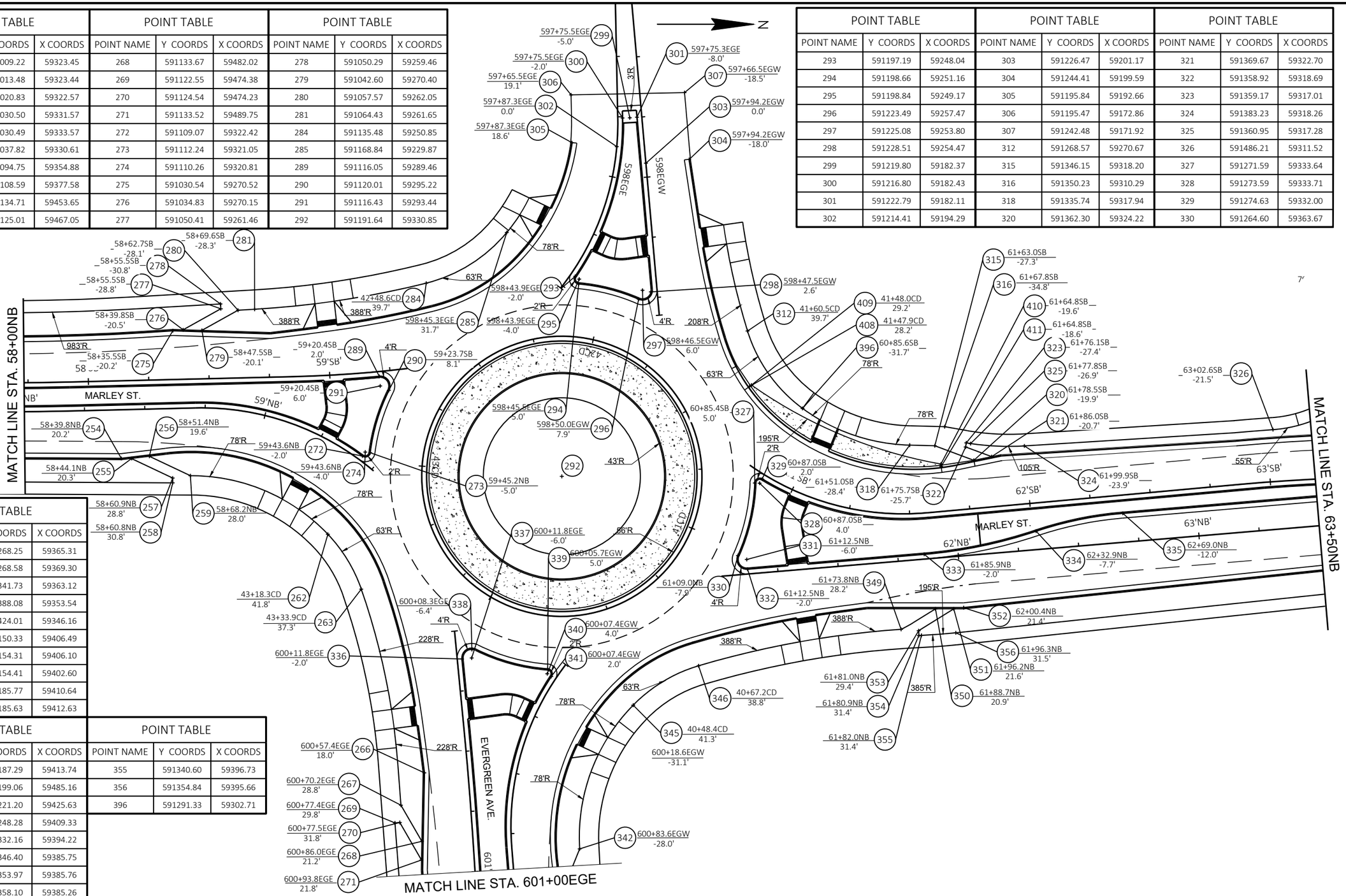
POINT TABLE		
POINT NAME	Y COORDS	X COORDS
303	591226.47	59201.17
304	591244.41	59199.59
305	591195.84	59192.66
306	591195.47	59172.86
307	591242.48	59171.92
312	591268.57	59270.67
315	591346.15	59318.20
316	591350.23	59310.29
318	591335.74	59317.94
320	591362.30	59324.22

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
321	591369.67	59322.70
322	591358.92	59318.69
323	591359.17	59317.01
324	591383.23	59318.26
325	591360.95	59317.28
326	591486.21	59311.52
327	591271.59	59333.64
328	591273.59	59333.71
329	591274.63	59332.00
330	591264.60	59363.67

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
331	591268.25	59365.31
332	591268.58	59369.30
333	591341.73	59363.12
334	591388.08	59353.54
335	591424.01	59346.16
336	591150.33	59406.49
337	591154.31	59406.10
338	591154.41	59402.60
339	591185.77	59410.64
340	591185.63	59412.63

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
341	591187.29	59413.74
342	591199.06	59485.16
345	591221.20	59425.63
346	591248.28	59409.33
349	591332.16	59394.22
350	591346.40	59385.75
351	591353.97	59385.76
352	591358.10	59385.26
353	591339.43	59394.79
354	591339.53	59396.79

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
355	591340.60	59396.73
356	591354.84	59395.66
396	591291.33	59302.71



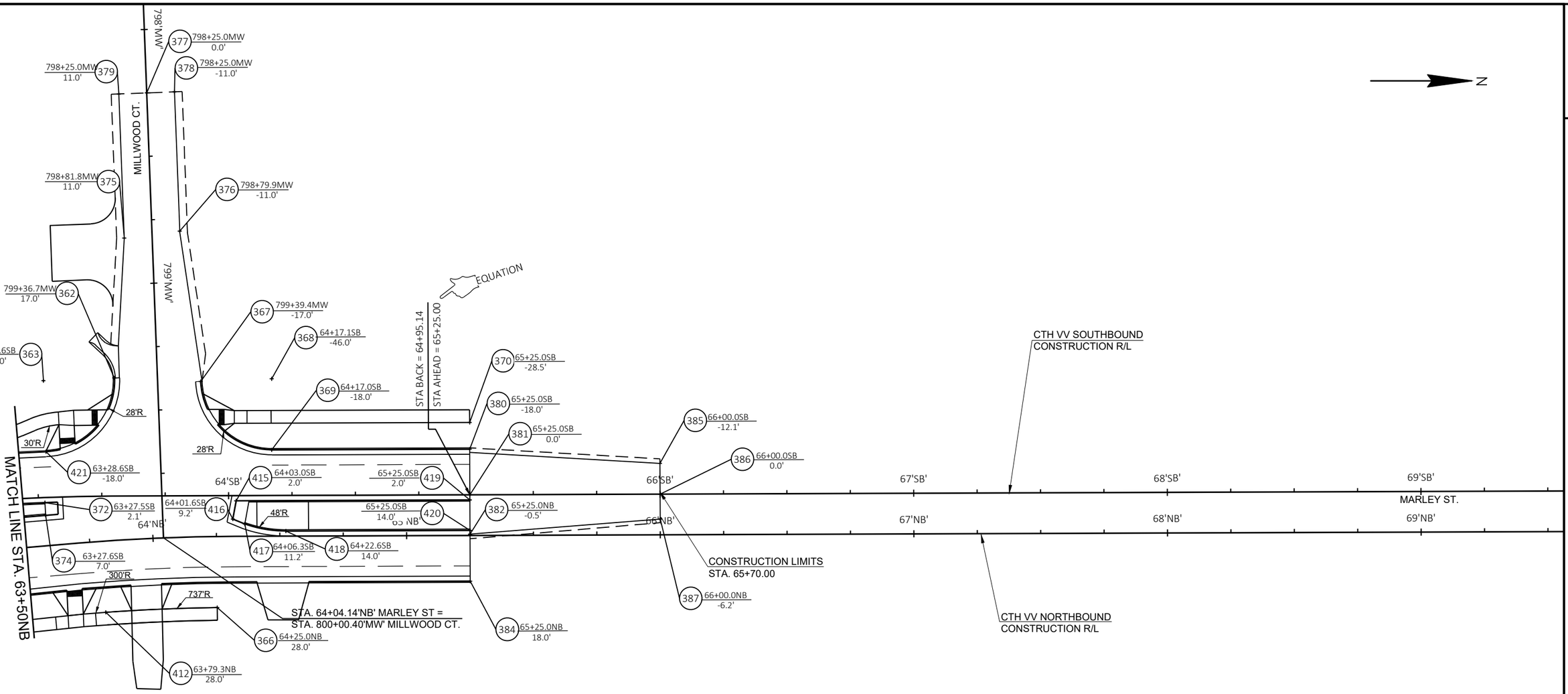
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN OFFSETS-MARLEY ST.	SHEET 128	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021401-SOVV.DWG
LAYOUT NAME - 021405 so

PLOT DATE : 4/27/2020 5:57 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



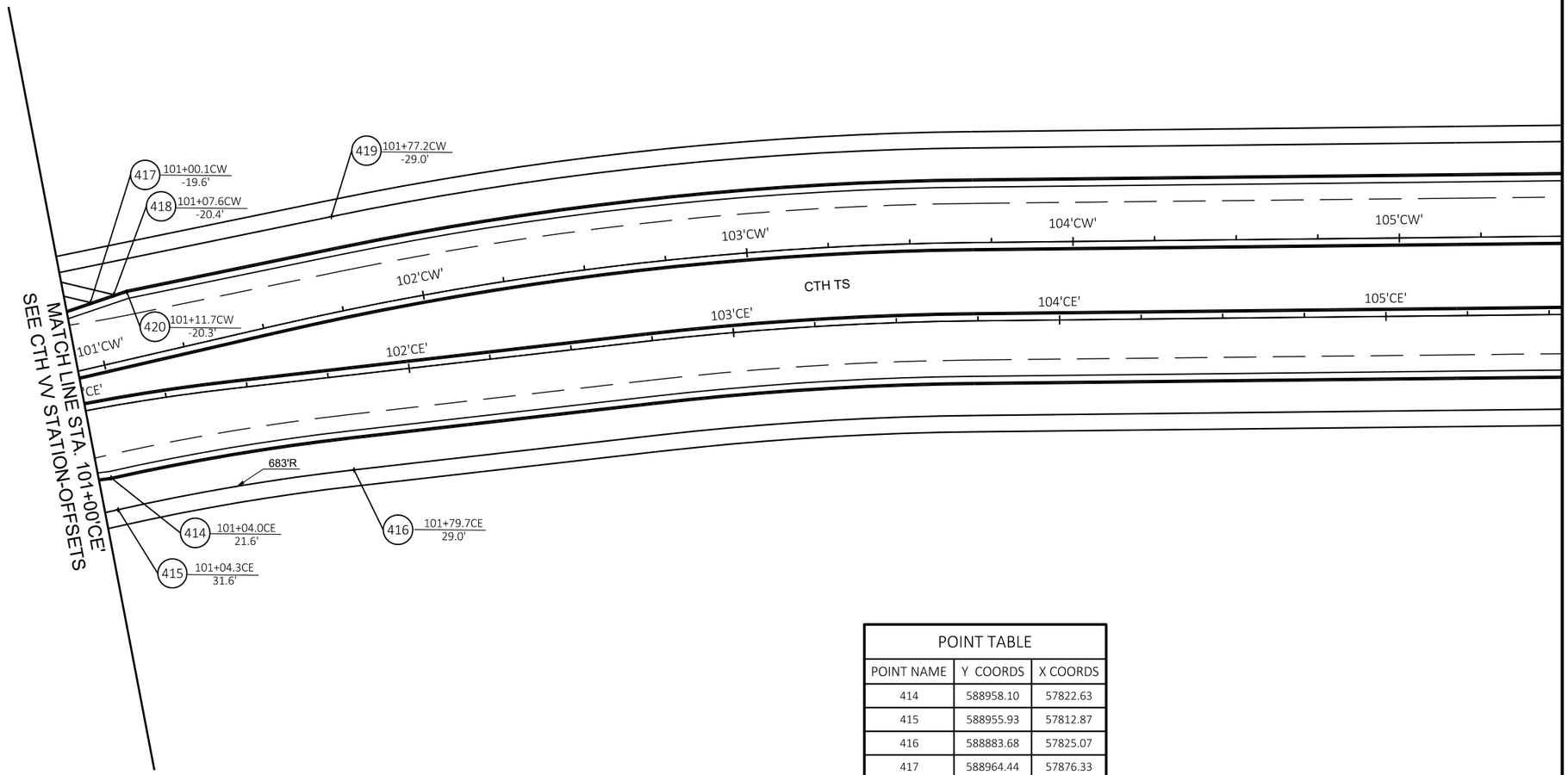
POINT TABLE		
POINT NAME	Y COORDS	X COORDS
362	591539.98	59284.55
363	591512.00	59285.62
366	591580.59	59374.96
367	591574.04	59285.91
368	591602.02	59284.85
369	591602.02	59312.85
370	591680.07	59302.07
372	591512.64	59333.68
374	591512.87	59338.64
375	591543.89	59229.37

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
376	591565.79	59226.64
377	591552.73	59172.24
378	591563.73	59171.83
379	591541.74	59172.66
380	591680.11	59312.57
381	591680.17	59330.57
382	591680.23	59346.07
384	591680.29	59364.57
385	591755.13	59318.18
386	591755.17	59330.30

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
387	591755.21	59340.10
412	591536.65	59376.84
415	591588.02	59332.90
416	591586.69	59340.09
417	591591.41	59342.05
418	591607.66	59344.83
419	591680.18	59332.57
420	591680.22	59344.57
421	591513.02	59313.59

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN OFFSETS-MARLEY ST.	SHEET 129	E

2



POINT TABLE		
POINT NAME	Y COORDS	X COORDS
414	588958.10	57822.63
415	588955.93	57812.87
416	588883.68	57825.07
417	588964.44	57876.33
418	588957.32	57878.75
419	588890.62	57902.69
420	588953.27	57879.60

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN OFFSETS-CTH TS	SHEET 130	E

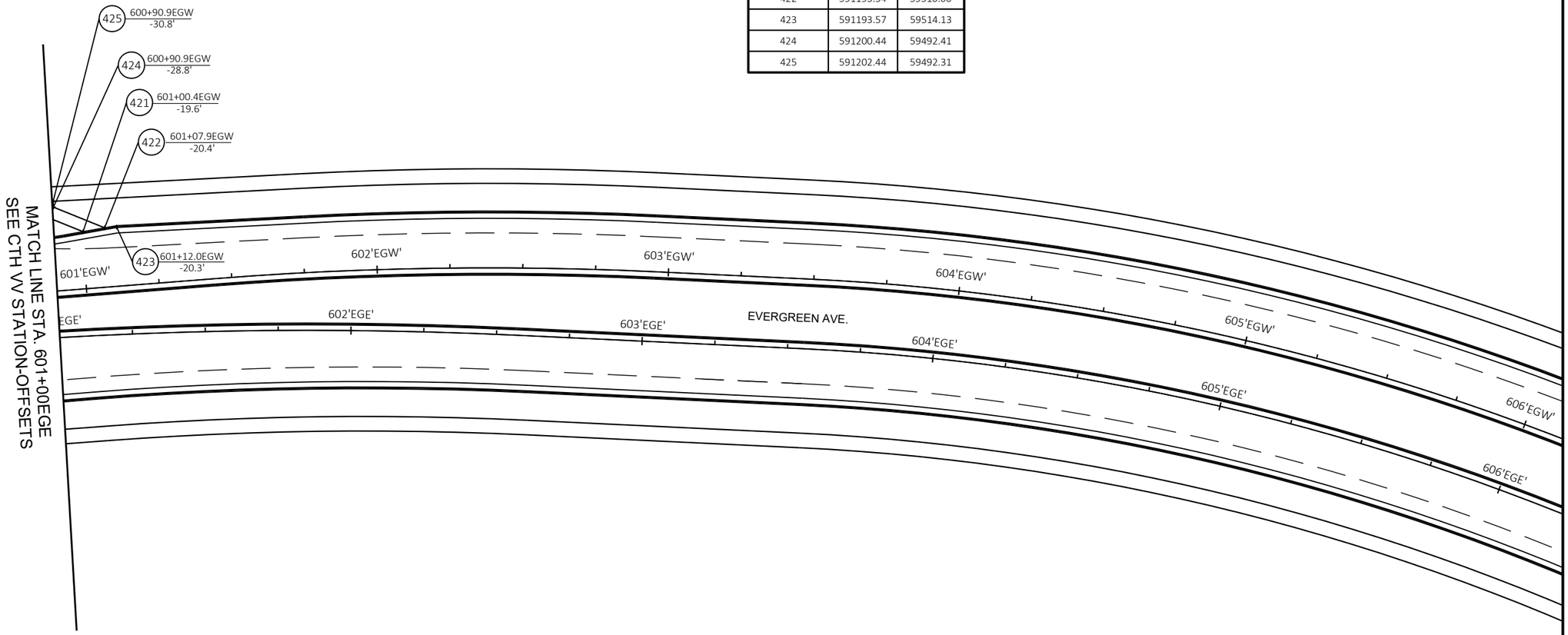
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021407-SOCE.DWG
LAYOUT NAME - 021407 so
PLOT DATE : 4/27/2020 5:57 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

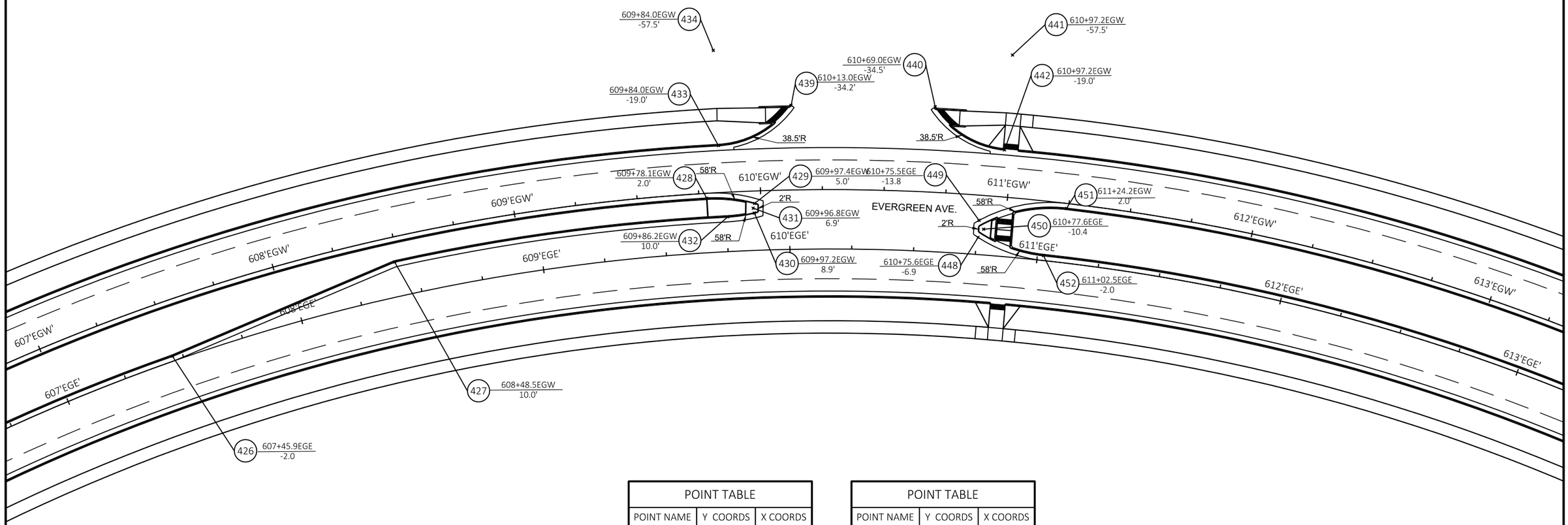
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POINT TABLE		
POINT NAME	Y COORDS	X COORDS
421	591192.02	59502.59
422	591193.34	59510.00
423	591193.57	59514.13
424	591200.44	59492.41
425	591202.44	59492.31



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN: PLAN OFFSETS	SHEET 131	E

2



POINT TABLE		
POINT NAME	Y COORDS	X COORDS
426	591042.72	60121.19
427	590998.38	60208.09
428	590918.22	60308.97
429	590902.08	60319.79
430	590899.64	60316.78
431	590901.26	60317.96
432	590906.93	60308.60
433	590928.32	60328.30
434	590954.61	60356.43
439	590916.24	60359.67

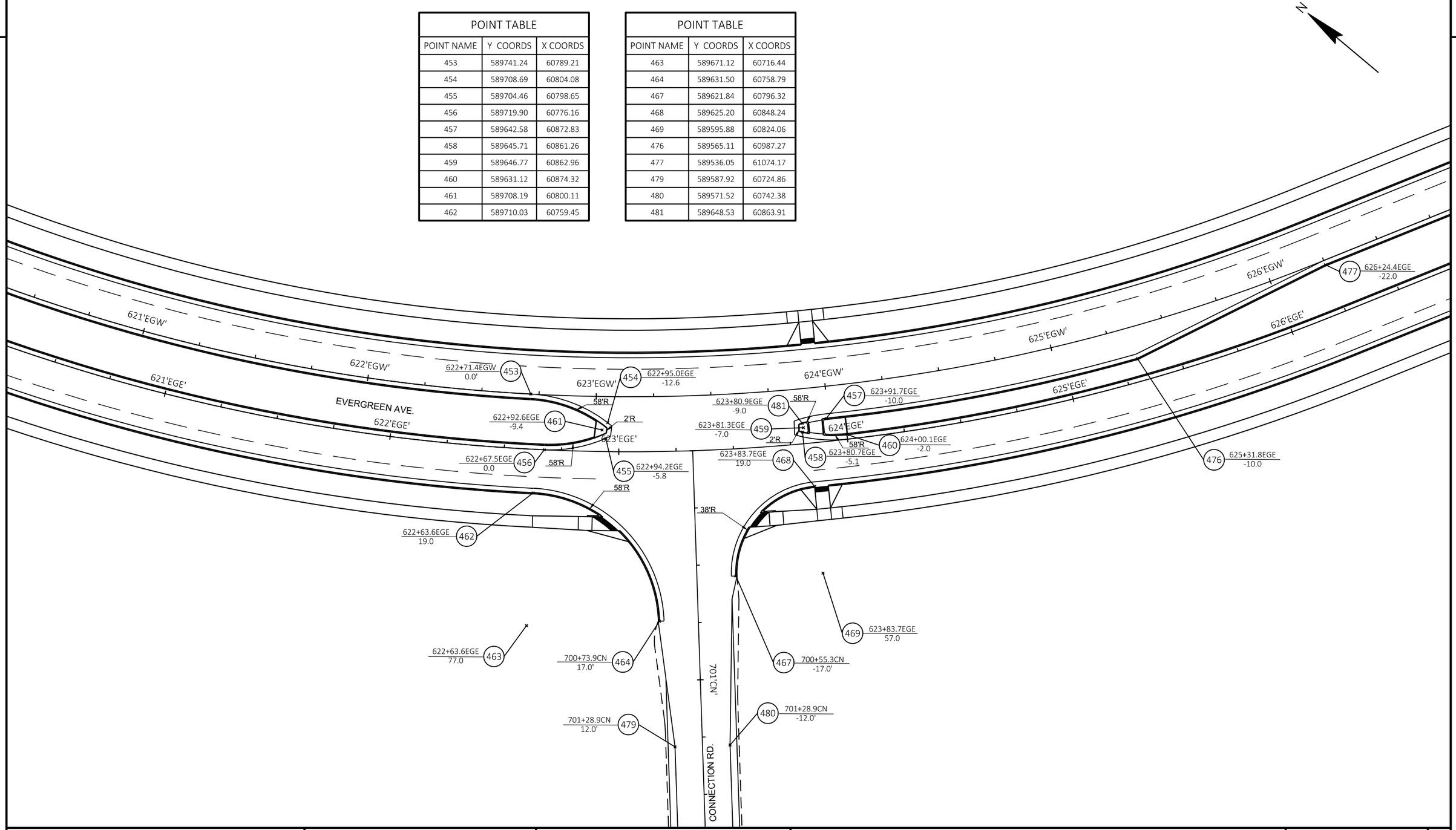
POINT TABLE		
POINT NAME	Y COORDS	X COORDS
440	590871.18	60396.66
441	590860.74	60432.79
442	590838.55	60401.33
448	590824.01	60367.37
449	590828.12	60372.88
450	590824.43	60371.35
451	590804.16	60399.34
452	590799.05	60378.73

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN: PLAN OFFSETS	SHEET 132	E

2

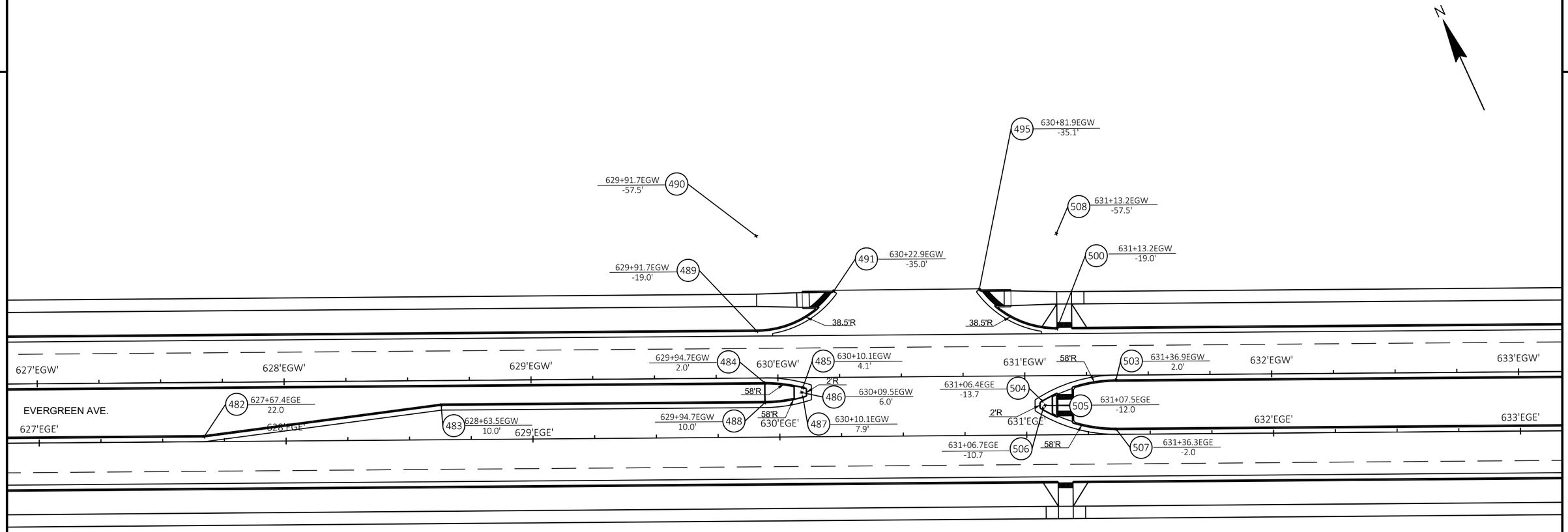
POINT TABLE		
POINT NAME	Y COORDS	X COORDS
453	589741.24	60789.21
454	589708.69	60804.08
455	589704.46	60798.65
456	589719.90	60776.16
457	589642.58	60872.83
458	589645.71	60861.26
459	589646.77	60862.96
460	589631.12	60874.32
461	589708.19	60800.11
462	589710.03	60759.45

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
463	589671.12	60716.44
464	589631.50	60758.79
467	589621.84	60796.32
468	589625.20	60848.24
469	589595.88	60824.06
476	589565.11	60987.27
477	589536.05	61074.17
479	589587.92	60724.86
480	589571.52	60742.38
481	589648.53	60863.91



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN: PLAN OFFSETS	SHEET 133	E

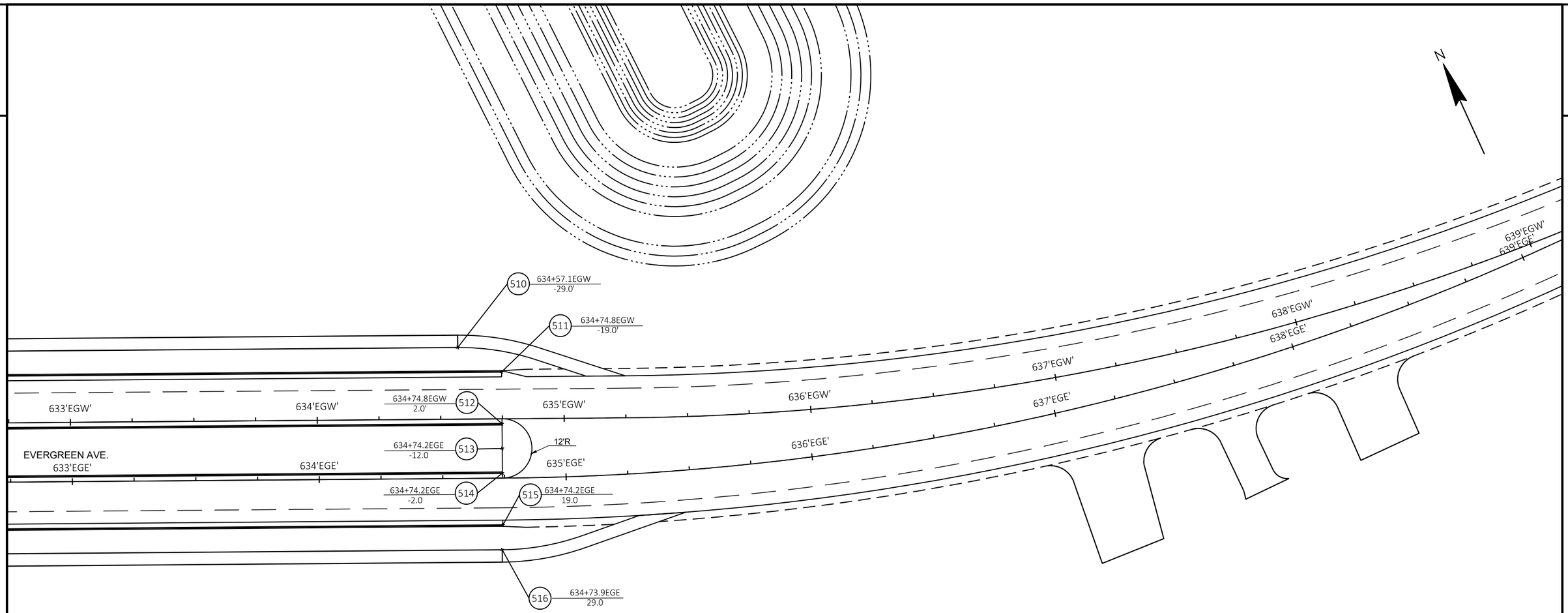
2



POINT TABLE		
POINT NAME	Y COORDS	X COORDS
482	589461.91	61197.38
483	589435.33	61290.54
484	589391.36	61414.37
485	589383.44	61427.70
486	589381.88	61426.46
487	589379.89	61426.19
488	589384.00	61411.24
489	589411.86	61419.83
490	589447.29	61434.90
491	589414.34	61454.82

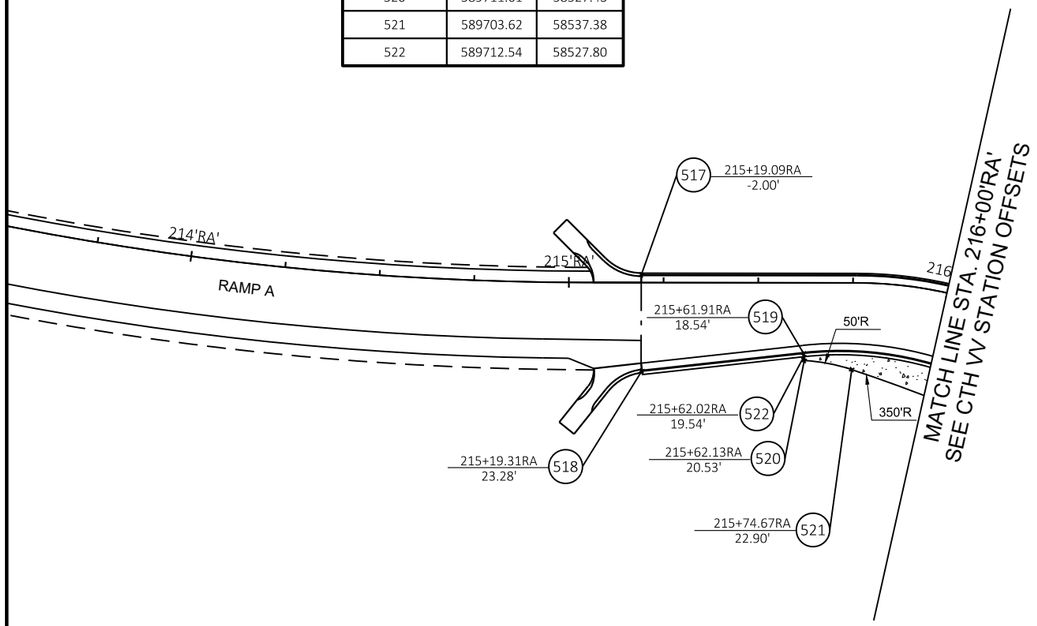
POINT TABLE		
POINT NAME	Y COORDS	X COORDS
495	589391.42	61509.12
500	589364.31	61531.64
503	589335.70	61545.26
504	589339.76	61514.53
505	589337.78	61514.80
506	589336.90	61513.59
507	589317.29	61537.43
508	589399.74	61546.71

2

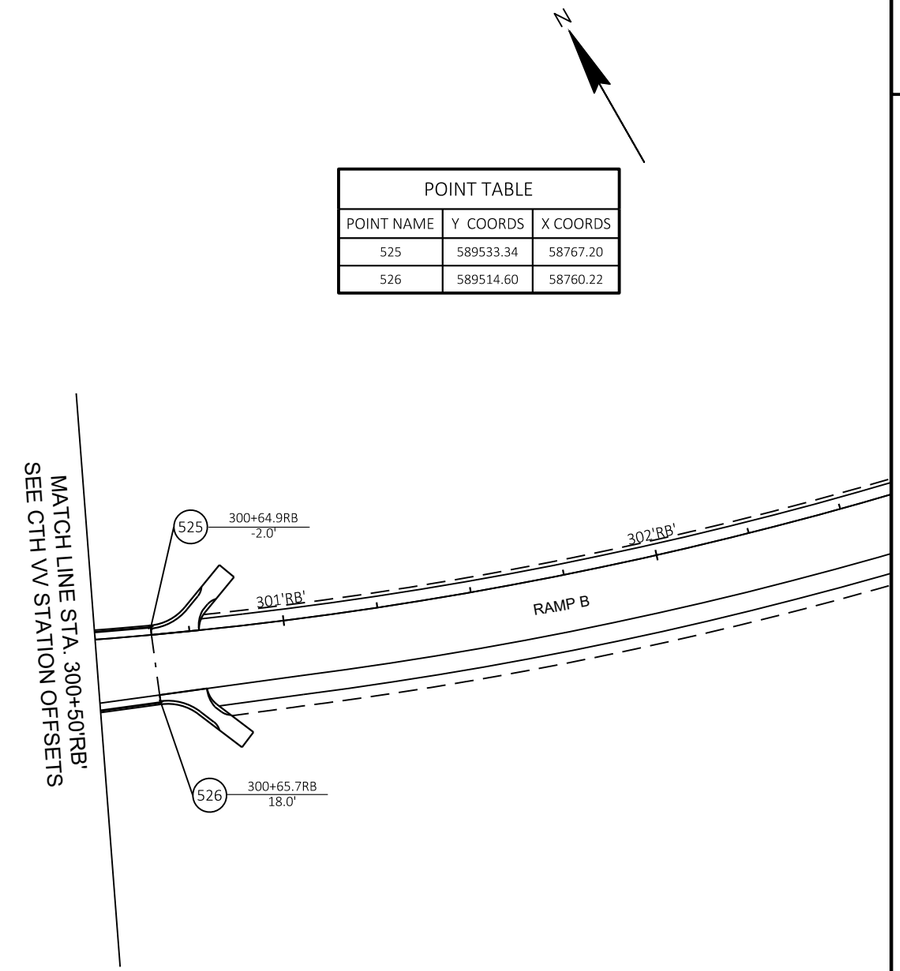


POINT TABLE		
POINT NAME	Y COORDS	X COORDS
510	589238.92	61852.03
511	589222.79	61864.41
512	589203.46	61856.20
513	589194.26	61852.28
514	589185.06	61848.37
515	589165.73	61840.15
516	589156.65	61835.94

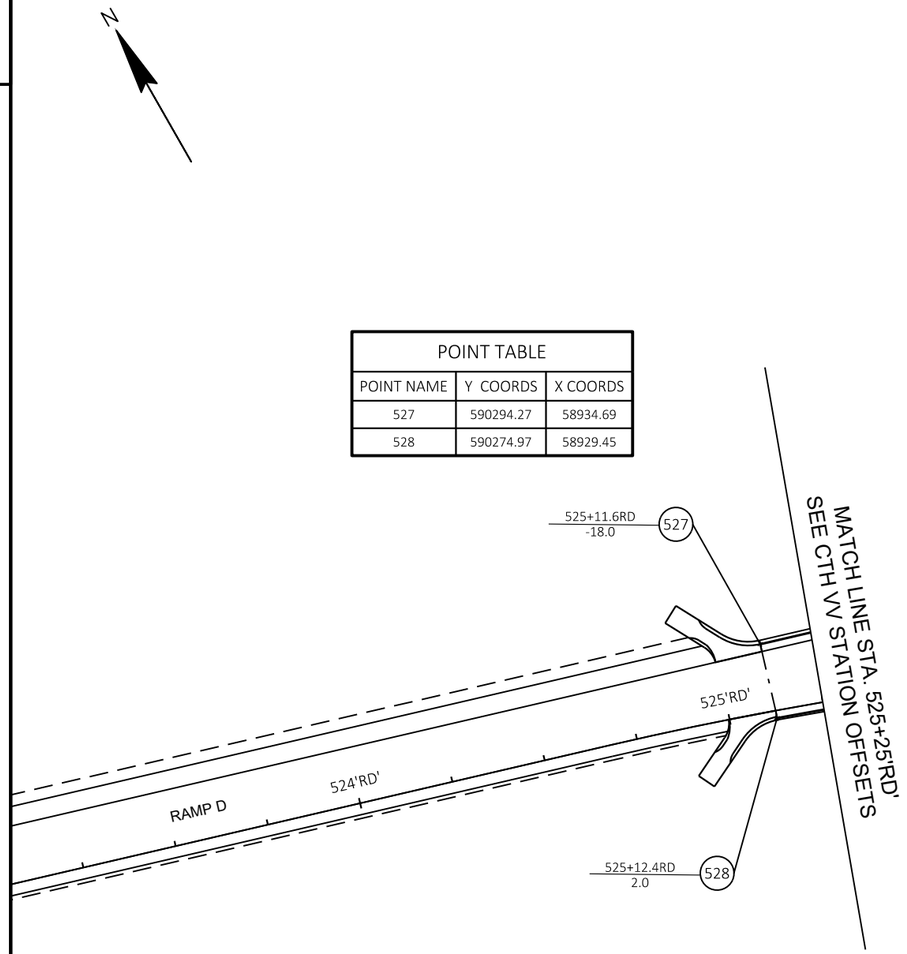
POINT TABLE		
POINT NAME	Y COORDS	X COORDS
517	589751.75	58500.06
518	589729.34	58488.36
519	589713.47	58528.17
520	589711.61	58527.43
521	589703.62	58537.38
522	589712.54	58527.80



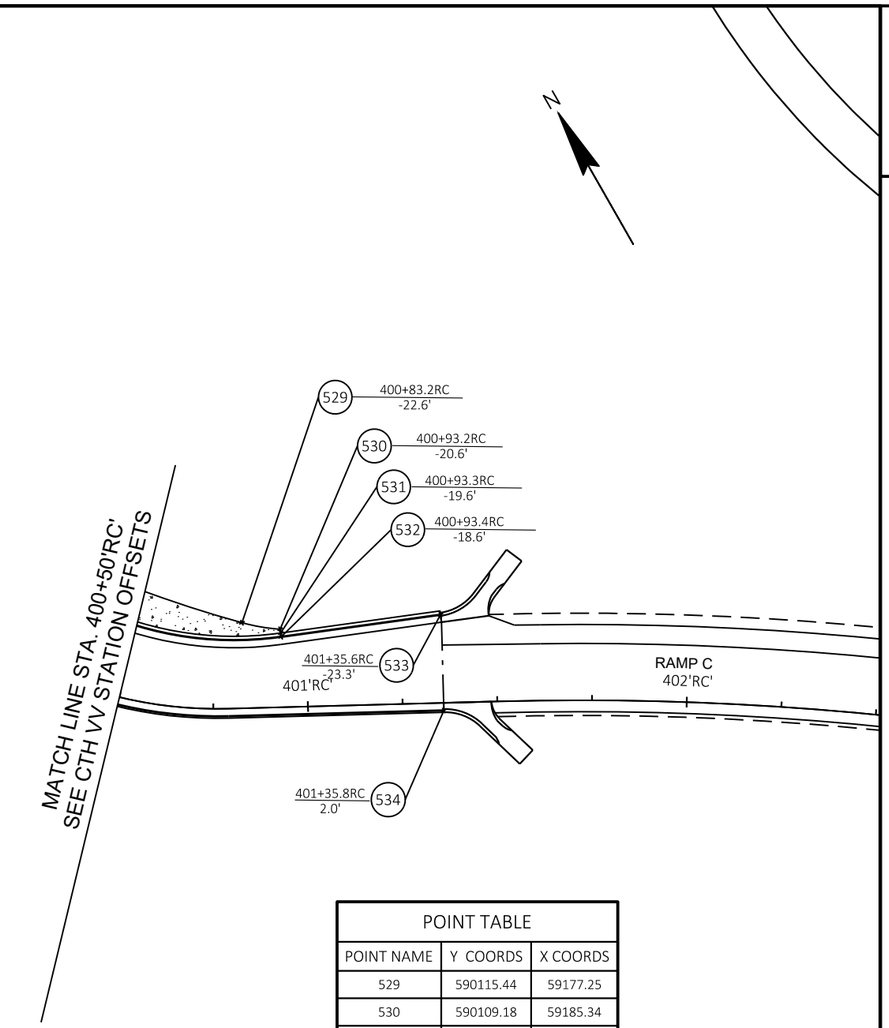
POINT TABLE		
POINT NAME	Y COORDS	X COORDS
525	589533.34	58767.20
526	589514.60	58760.22



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN OFFSETS-RAMPS A AND B	SHEET 136	E



POINT TABLE		
POINT NAME	Y COORDS	X COORDS
527	590294.27	58934.69
528	590274.97	58929.45



POINT TABLE		
POINT NAME	Y COORDS	X COORDS
529	590115.44	59177.25
530	590109.18	59185.34
531	590108.24	59185.00
532	590107.30	59184.66
533	590092.70	59224.50
534	590069.97	59213.43

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN OFFSETS-RAMPS C AND D	SHEET 137	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021404-SORA.DWG
LAYOUT NAME - 021414-so
PLOT DATE : 4/27/2020 5:59 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTE:
FINAL LOCATIONS OF CURB RAMP OPENINGS TO BE VERIFIED BY THE FIELD ENGINEER PRIOR TO INSTALLATION.

ELEVATIONS ARE APPROXIMATE AND ARE TO BE CONFIRMED BY THE FIELD ENGINEER AS THEY MAY NEED TO BE ADJUSTED AFTER CURB AND GUTTER PLACEMENT.

SLOPES MUST BE LESS THAN THE MAXIMUM ALLOWED FOR ADA COMPLIANCE. SEE STANDARD DETAIL DRAWINGS FOR MORE INFORMATION.

CURB RAMP FLARES ARE 6 FEET ALONG FLOWLINE.

ALL ROUNDABOUT SIDE PATH CURB RAMP BOTTOMS ARE 8 FEET.

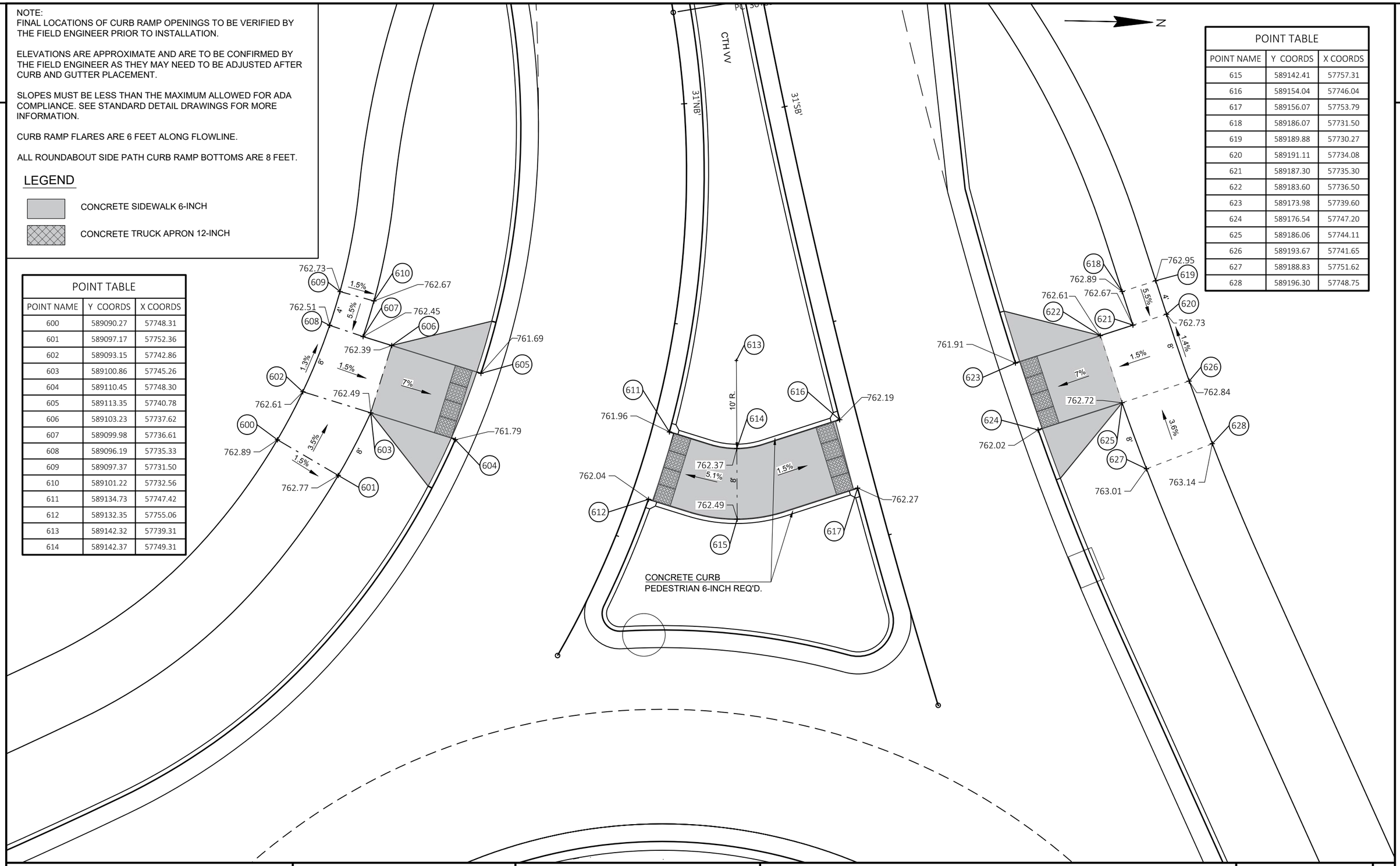
LEGEND

CONCRETE SIDEWALK 6-INCH

CONCRETE TRUCK APRON 12-INCH

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
600	589090.27	57748.31
601	589097.17	57752.36
602	589093.15	57742.86
603	589100.86	57745.26
604	589110.45	57748.30
605	589113.35	57740.78
606	589103.23	57737.62
607	589099.98	57736.61
608	589096.19	57735.33
609	589097.37	57731.50
610	589101.22	57732.56
611	589134.73	57747.42
612	589132.35	57755.06
613	589142.32	57739.31
614	589142.37	57749.31

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
615	589142.41	57757.31
616	589154.04	57746.04
617	589156.07	57753.79
618	589186.07	57731.50
619	589189.88	57730.27
620	589191.11	57734.08
621	589187.30	57735.30
622	589183.60	57736.50
623	589173.98	57739.60
624	589176.54	57747.20
625	589186.06	57744.11
626	589193.67	57741.65
627	589188.83	57751.62
628	589196.30	57748.75



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CURB RAMP DETAILS-CTH VV/CTH TS WEST RAB LEG	SHEET 138	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021501-CR.DWG
LAYOUT NAME - 021501-cr
PLOT DATE : 6/30/2020 7:55 AM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

NOTE:
FINAL LOCATIONS OF CURB RAMP OPENINGS TO BE VERIFIED BY THE FIELD ENGINEER PRIOR TO INSTALLATION.

ELEVATIONS ARE APPROXIMATE AND ARE TO BE CONFIRMED BY THE FIELD ENGINEER AS THEY MAY NEED TO BE ADJUSTED AFTER CURB AND GUTTER PLACEMENT.

SLOPES MUST BE LESS THAN THE MAXIMUM ALLOWED FOR ADA COMPLIANCE. SEE STANDARD DETAIL DRAWINGS FOR MORE INFORMATION.

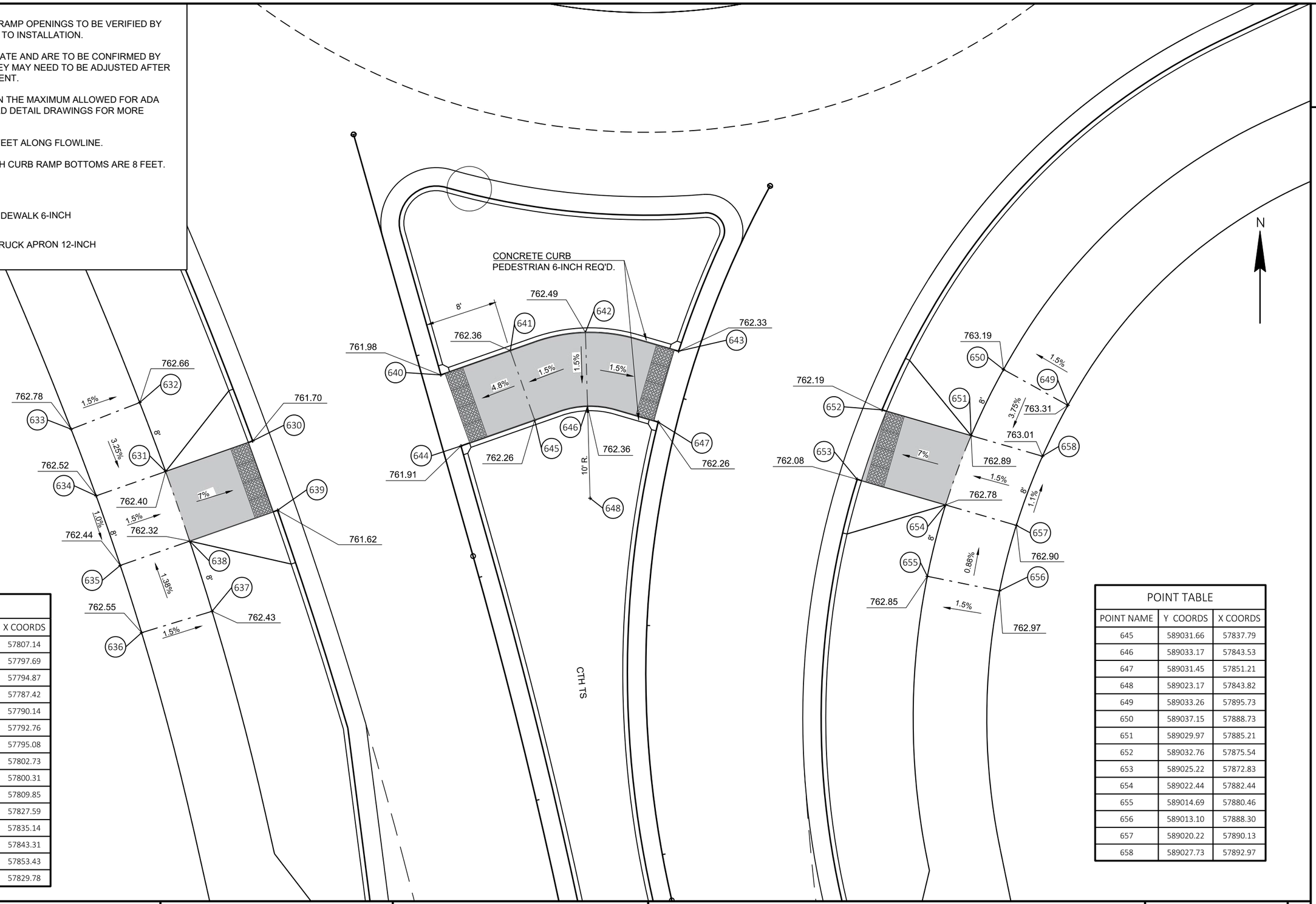
CURB RAMP FLARES ARE 6 FEET ALONG FLOWLINE.

ALL ROUNDABOUT SIDE PATH CURB RAMP BOTTOMS ARE 8 FEET.

LEGEND

CONCRETE SIDEWALK 6-INCH

CONCRETE TRUCK APRON 12-INCH



POINT TABLE		
POINT NAME	Y COORDS	X COORDS
630	589029.39	57807.14
631	589026.07	57797.69
632	589033.56	57794.87
633	589030.67	57787.42
634	589023.42	57790.14
635	589015.87	57792.76
636	589008.56	57795.08
637	589010.89	57802.73
638	589018.51	57800.31
639	589021.86	57809.85
640	589036.56	57827.59
641	589039.21	57835.14
642	589041.17	57843.31
643	589039.13	57853.43
644	589028.85	57829.78

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
645	589031.66	57837.79
646	589033.17	57843.53
647	589031.45	57851.21
648	589023.17	57843.82
649	589033.26	57895.73
650	589037.15	57888.73
651	589029.97	57885.21
652	589032.76	57875.54
653	589025.22	57872.83
654	589022.44	57882.44
655	589014.69	57880.46
656	589013.10	57888.30
657	589020.22	57890.13
658	589027.73	57892.97

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CURB RAMP DETAILS-CTH VV/CTH TS RAB SOUTH LEG	SHEET 139	E

NOTE:
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SLOPES MUST BE LESS THAN THE MAXIMUM ALLOWED FOR ADA COMPLIANCE. SEE STANDARD DETAIL DRAWINGS FOR MORE INFORMATION.

CURB RAMP FLARES ARE 6 FEET ALONG FLOWLINE.

ALL ROUNDABOUT SIDE PATH CURB RAMP BOTTOMS ARE 8 FEET.

LEGEND

CONCRETE SIDEWALK 6-INCH

CONCRETE TRUCK APRON 12-INCH

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
659	589089.76	57952.87
660	589078.91	57956.19
661	589076.49	57948.56
662	589068.90	57951.08
663	589071.26	57958.51
664	589073.47	57966.08
665	589075.69	57973.77
666	589083.37	57971.55
667	589081.16	57963.86
668	589092.35	57960.44
669	589110.34	57946.58
670	589117.64	57944.34
671	589127.31	57942.12
672	589139.18	57944.58
673	589137.10	57952.31

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
674	589127.44	57950.12
675	589119.98	57951.99
676	589112.33	57954.33
677	589161.29	57950.53
678	589171.02	57953.14
679	589174.43	57945.89
680	589181.48	57949.67
681	589178.81	57955.24
682	589176.09	57962.79
683	589174.37	57969.95
684	589166.50	57968.49
685	589168.36	57960.71
686	589158.70	57958.11
718	589127.62	57960.11

CONCRETE CURB
PEDESTRIAN 6-INCH REQ'D.

CTH VV

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CURB RAMP DETAILS-CTH VV/CTH TS RAB EAST LEG

SHEET 140 E

NOTE:
FINAL LOCATIONS OF CURB RAMP OPENINGS TO BE VERIFIED BY THE FIELD ENGINEER PRIOR TO INSTALLATION.

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SLOPES MUST BE LESS THAN THE MAXIMUM ALLOWED FOR ADA COMPLIANCE. SEE STANDARD DETAIL DRAWINGS FOR MORE INFORMATION.

CURB RAMP FLARES ARE 6 FEET ALONG FLOWLINE.

ALL ROUNDABOUT SIDE PATH CURB RAMP BOTTOMS ARE 8 FEET.

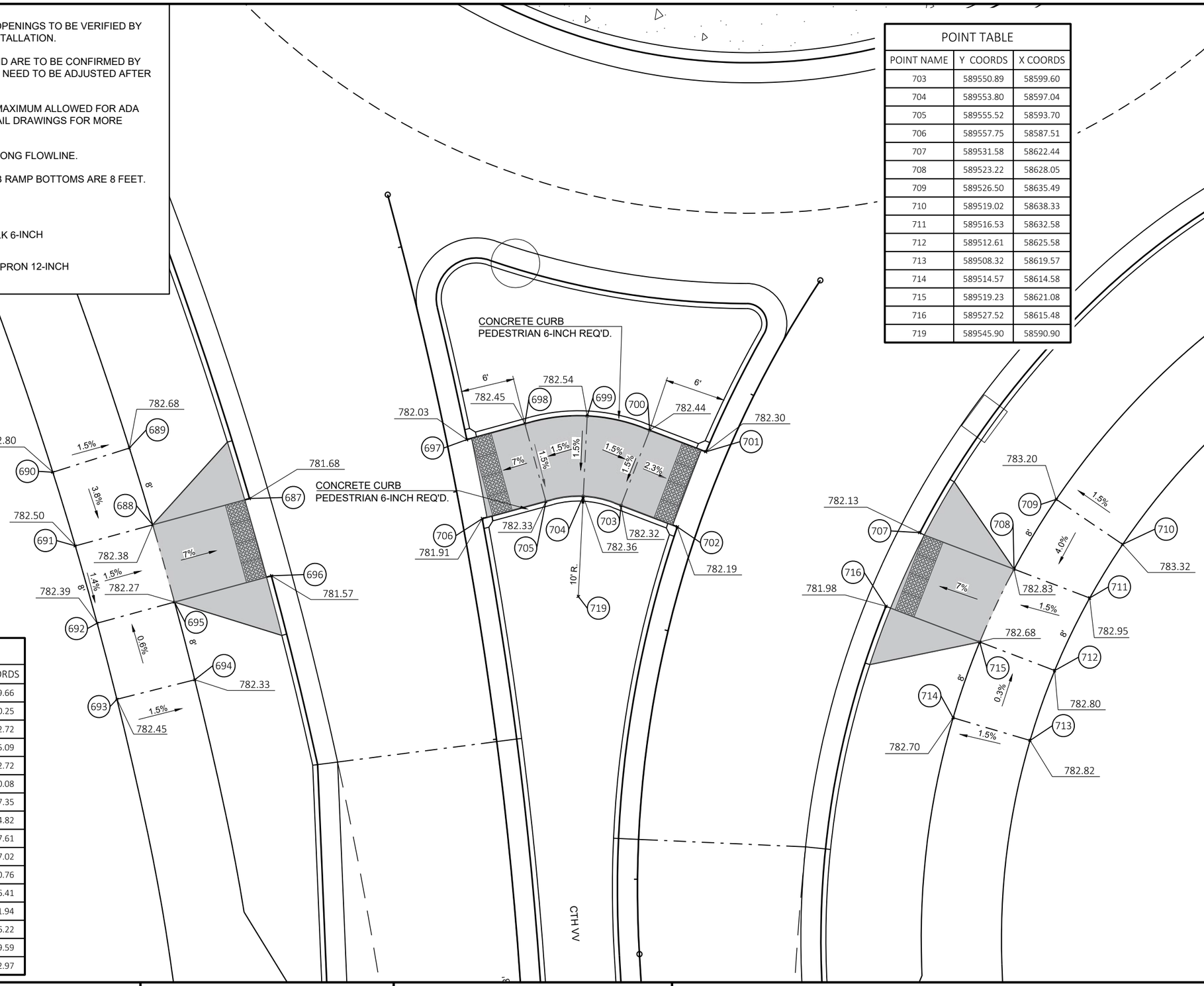
LEGEND

CONCRETE SIDEWALK 6-INCH

CONCRETE TRUCK APRON 12-INCH

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
703	589550.89	58599.60
704	589553.80	58597.04
705	589555.52	58593.70
706	589557.75	58587.51
707	589531.58	58622.44
708	589523.22	58628.05
709	589526.50	58635.49
710	589519.02	58638.33
711	589516.53	58632.58
712	589512.61	58625.58
713	589508.32	58619.57
714	589514.57	58614.58
715	589519.23	58621.08
716	589527.52	58615.48
719	589545.90	58590.90

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
687	589572.70	58569.66
688	589576.08	58560.25
689	589583.69	58562.72
690	589586.09	58555.09
691	589578.80	58552.72
692	589571.24	58550.08
693	589563.90	58547.35
694	589561.03	58554.82
695	589568.53	58557.61
696	589565.14	58567.02
697	589565.08	58590.76
698	589563.05	58596.41
699	589560.12	58601.94
700	589555.38	58606.22
701	589550.42	58609.59
702	589545.93	58602.97



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CURB RAMP DETAILS-CTH VV	SHEET 141	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021501-CR.DWG
LAYOUT NAME - 021504-cr
PLOT DATE : 6/30/2020 7:56 AM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

NOTE:
FINAL LOCATIONS OF CURB RAMP OPENINGS TO BE VERIFIED BY THE FIELD ENGINEER PRIOR TO INSTALLATION.

ELEVATIONS ARE APPROXIMATE AND ARE TO BE CONFIRMED BY THE FIELD ENGINEER AS THEY MAY NEED TO BE ADJUSTED AFTER CURB AND GUTTER PLACEMENT.

SLOPES MUST BE LESS THAN THE MAXIMUM ALLOWED FOR ADA COMPLIANCE. SEE STANDARD DETAIL DRAWINGS FOR MORE INFORMATION.

CURB RAMP FLARES ARE 6 FEET ALONG FLOWLINE.

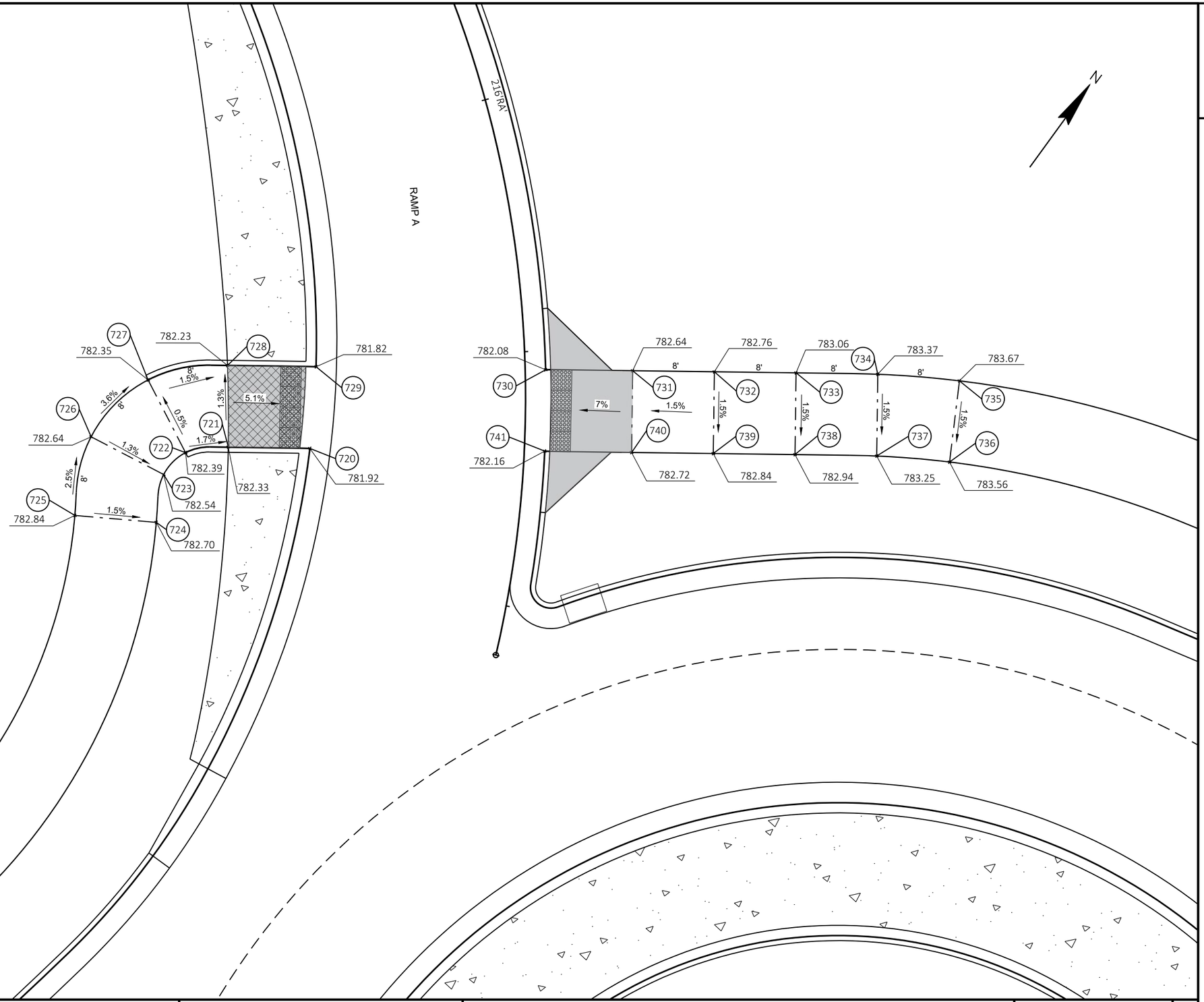
ALL ROUNDABOUT SIDE PATH CURB RAMP BOTTOMS ARE 8 FEET.

LEGEND

CONCRETE SIDEWALK 6-INCH

CONCRETE TRUCK APRON 12-INCH

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
720	589671.80	58573.96
721	589667.45	58567.25
722	589664.65	58564.10
723	589661.68	58563.51
724	589657.39	58565.54
725	589653.50	58558.55
726	589660.76	58555.57
727	589668.50	58557.08
728	589674.03	58562.73
729	589678.76	58569.99
730	589691.09	58588.78
731	589695.77	58595.89
732	589700.16	58602.58
733	589704.55	58609.27
734	589708.90	58615.98
735	589712.84	58622.97
736	589705.71	58626.60
737	589702.21	58620.37
738	589697.86	58613.66
739	589693.47	58606.97
740	589689.08	58600.28
741	589684.44	58593.16



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CURB RAMP DETAILS-CTH VV/RAMP A	SHEET 142 E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021501-CR.DWG
LAYOUT NAME - 021505-cr
PLOT DATE : 6/30/2020 7:56 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:10 FT

NOTE:
FINAL LOCATIONS OF CURB RAMP OPENINGS TO BE VERIFIED BY THE FIELD ENGINEER PRIOR TO INSTALLATION.

ELEVATIONS ARE APPROXIMATE AND ARE TO BE CONFIRMED BY THE FIELD ENGINEER AS THEY MAY NEED TO BE ADJUSTED AFTER CURB AND GUTTER PLACEMENT.

SLOPES MUST BE LESS THAN THE MAXIMUM ALLOWED FOR ADA COMPLIANCE. SEE STANDARD DETAIL DRAWINGS FOR MORE INFORMATION.

CURB RAMP FLARES ARE 6 FEET ALONG FLOWLINE.

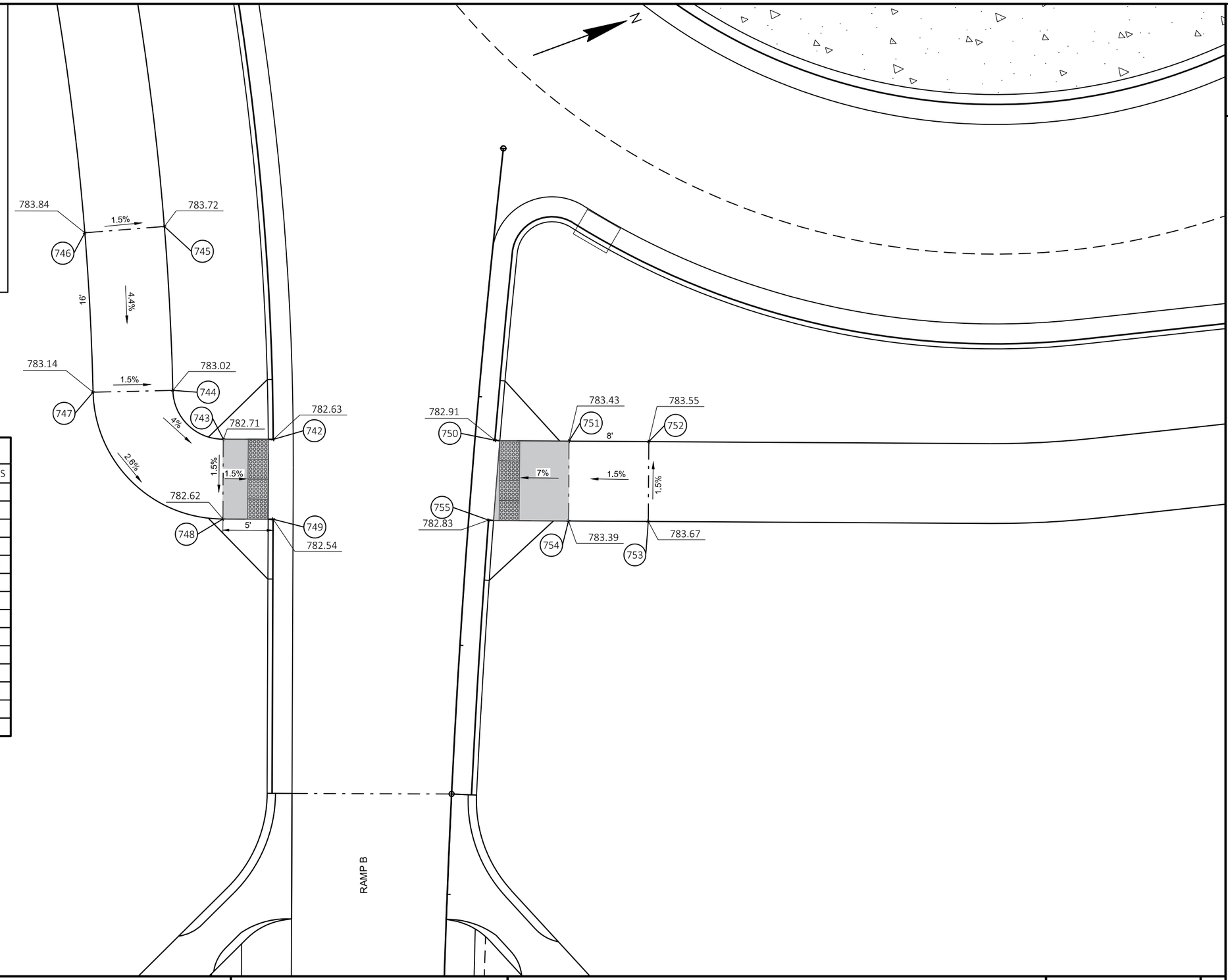
ALL ROUNDABOUT SIDE PATH CURB RAMP BOTTOMS ARE 8 FEET.

LEGEND

CONCRETE SIDEWALK 6-INCH

CONCRETE TRUCK APRON 12-INCH

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
742	589526.85	58726.91
743	589522.16	58725.18
744	589519.07	58718.85
745	589523.90	58703.12
746	589516.18	58700.99
747	589511.49	58716.29
748	589519.38	58732.68
749	589524.10	58734.43
750	589547.71	58734.59
751	589554.66	58737.22
752	589562.16	58740.00
753	589559.38	58747.50
754	589551.88	58744.72
755	589544.37	58741.90



NOTE:
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CURB RAMP FLARES ARE 6 FEET ALONG FLOWLINE.

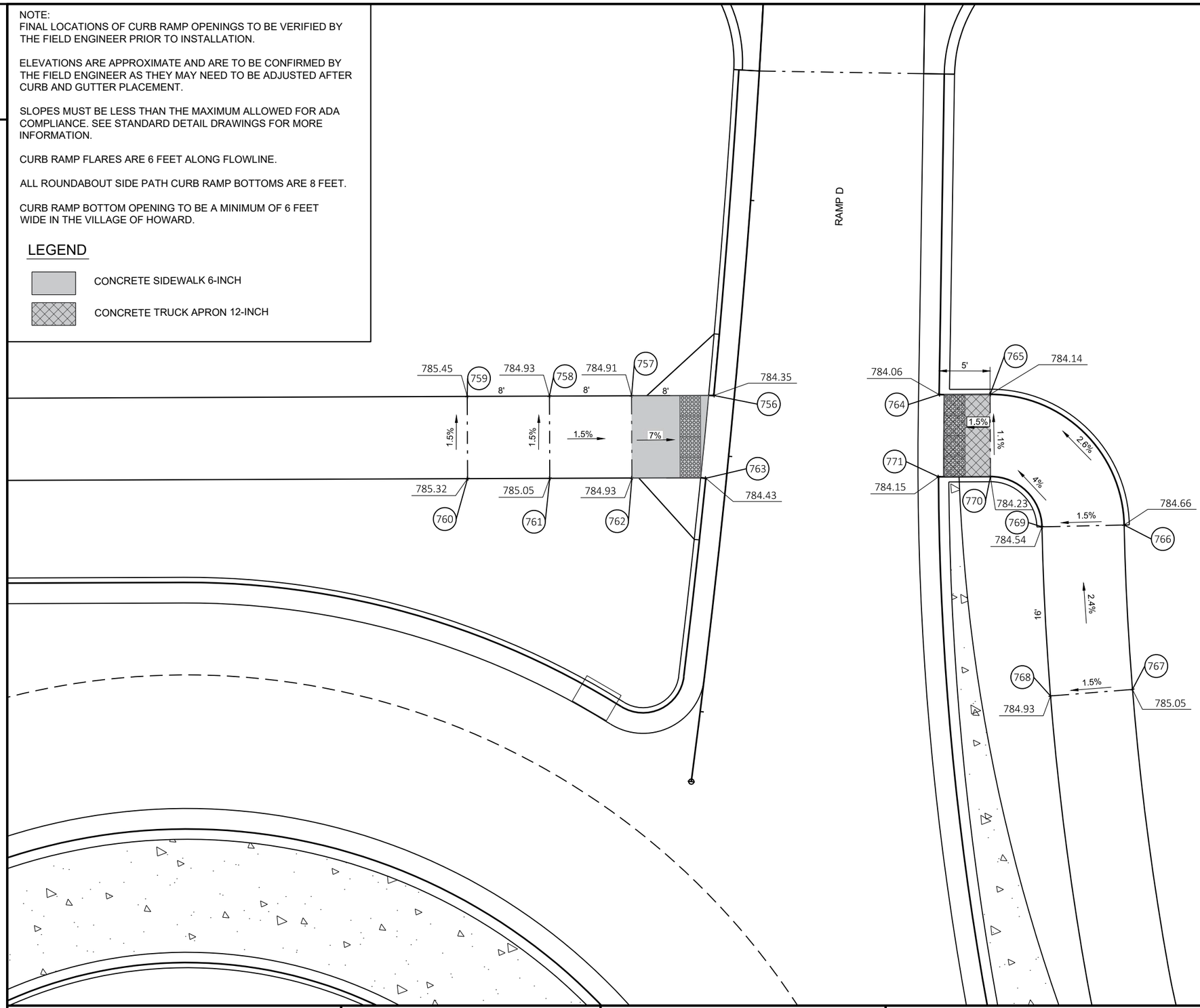
ALL ROUNDABOUT SIDE PATH CURB RAMP BOTTOMS ARE 8 FEET.

CURB RAMP BOTTOM OPENING TO BE A MINIMUM OF 6 FEET WIDE IN THE VILLAGE OF HOWARD.

LEGEND

CONCRETE SIDEWALK 6-INCH

CONCRETE TRUCK APRON 12-INCH



POINT TABLE		
POINT NAME	Y COORDS	X COORDS
756	590264.94	58959.63
757	590257.17	58957.72
758	590249.40	58955.82
759	590241.63	58953.91
760	590239.72	58961.68
761	590247.49	58963.59
762	590255.26	58965.49
763	590262.23	58967.25
764	590286.24	58964.85
765	590291.05	58966.03
766	590300.64	58981.52
767	590297.55	58997.25
768	590289.66	58995.94
769	590292.83	58979.76
770	590289.15	58973.80
771	590284.24	58972.60

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CURB RAMP DETAILS-MARLEY ST./RAMP D	SHEET 144	E

NOTE:
FINAL LOCATIONS OF CURB RAMP OPENINGS TO BE VERIFIED BY THE FIELD ENGINEER PRIOR TO INSTALLATION.

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SLOPES MUST BE LESS THAN THE MAXIMUM ALLOWED FOR ADA COMPLIANCE. SEE STANDARD DETAIL DRAWINGS FOR MORE INFORMATION.

CURB RAMP FLARES ARE 6 FEET ALONG FLOWLINE.

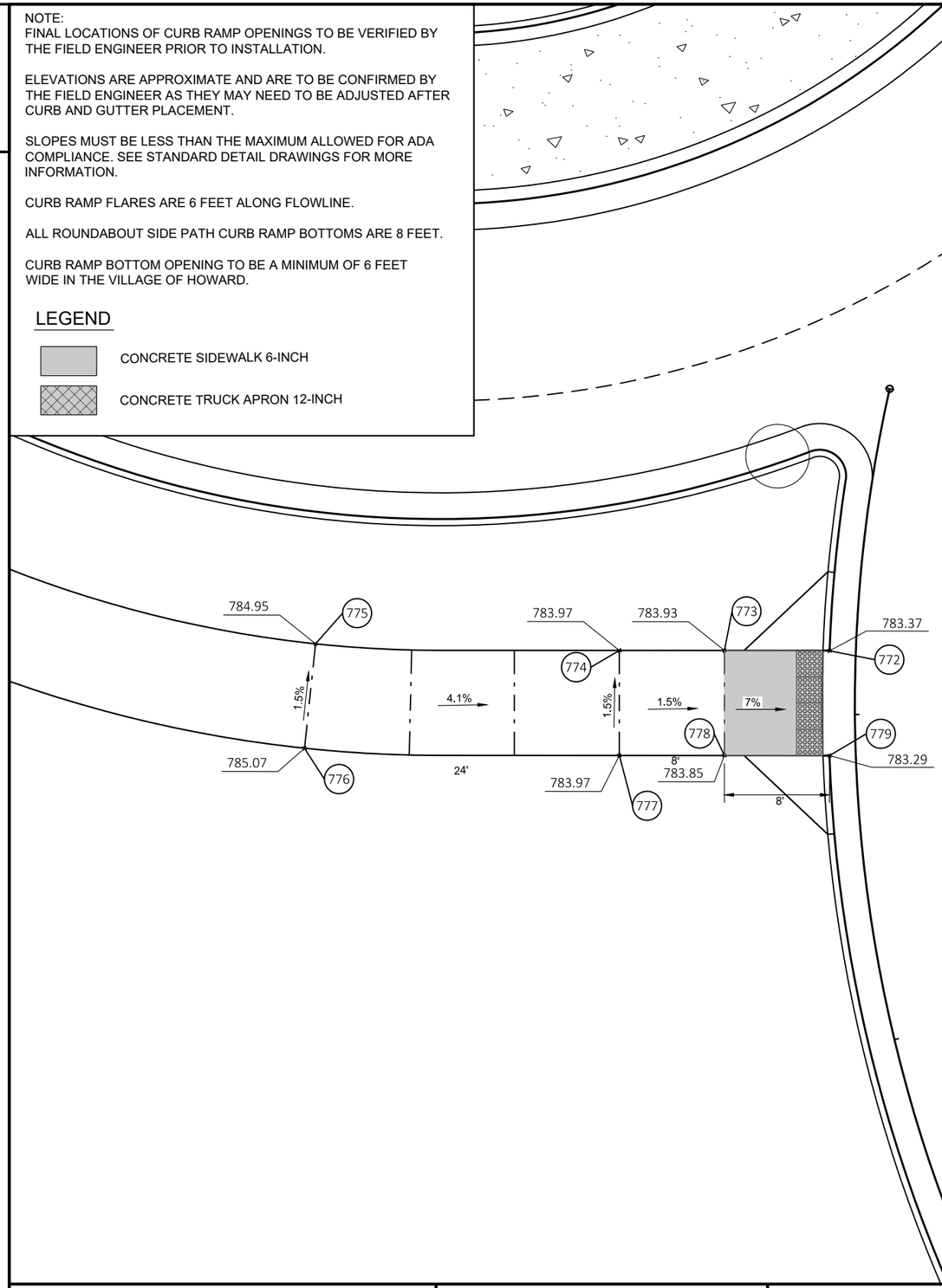
ALL ROUNDABOUT SIDE PATH CURB RAMP BOTTOMS ARE 8 FEET.

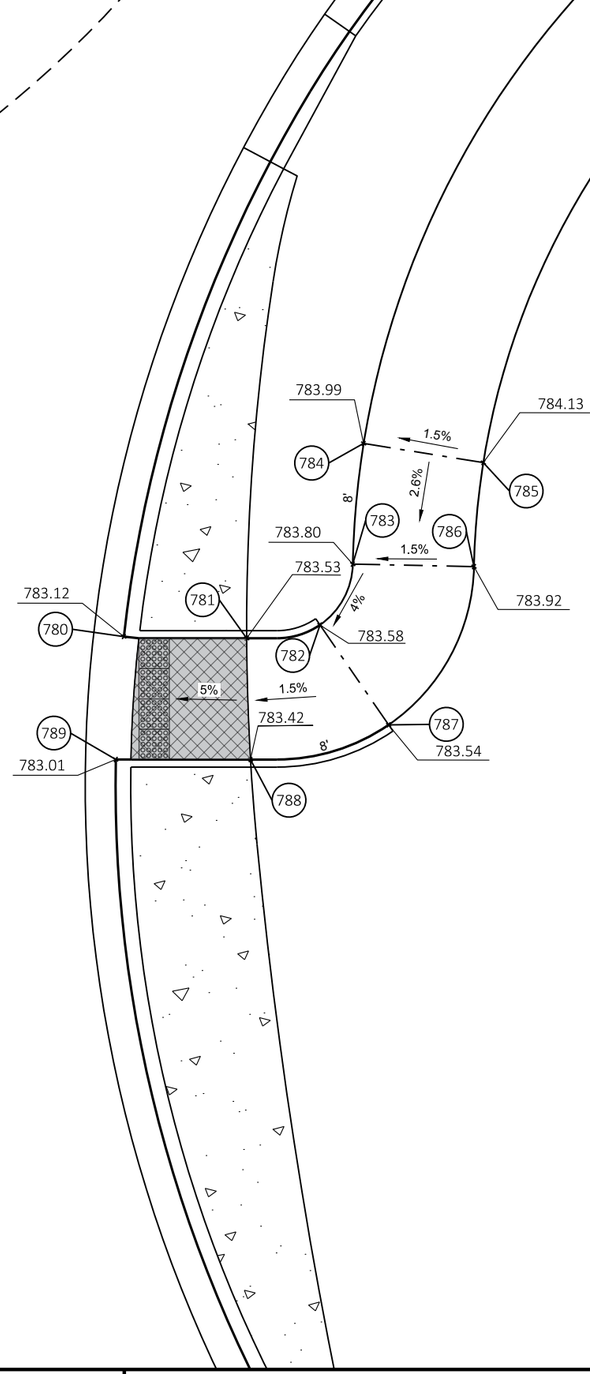
CURB RAMP BOTTOM OPENING TO BE A MINIMUM OF 6 FEET WIDE IN THE VILLAGE OF HOWARD.

LEGEND

CONCRETE SIDEWALK 6-INCH

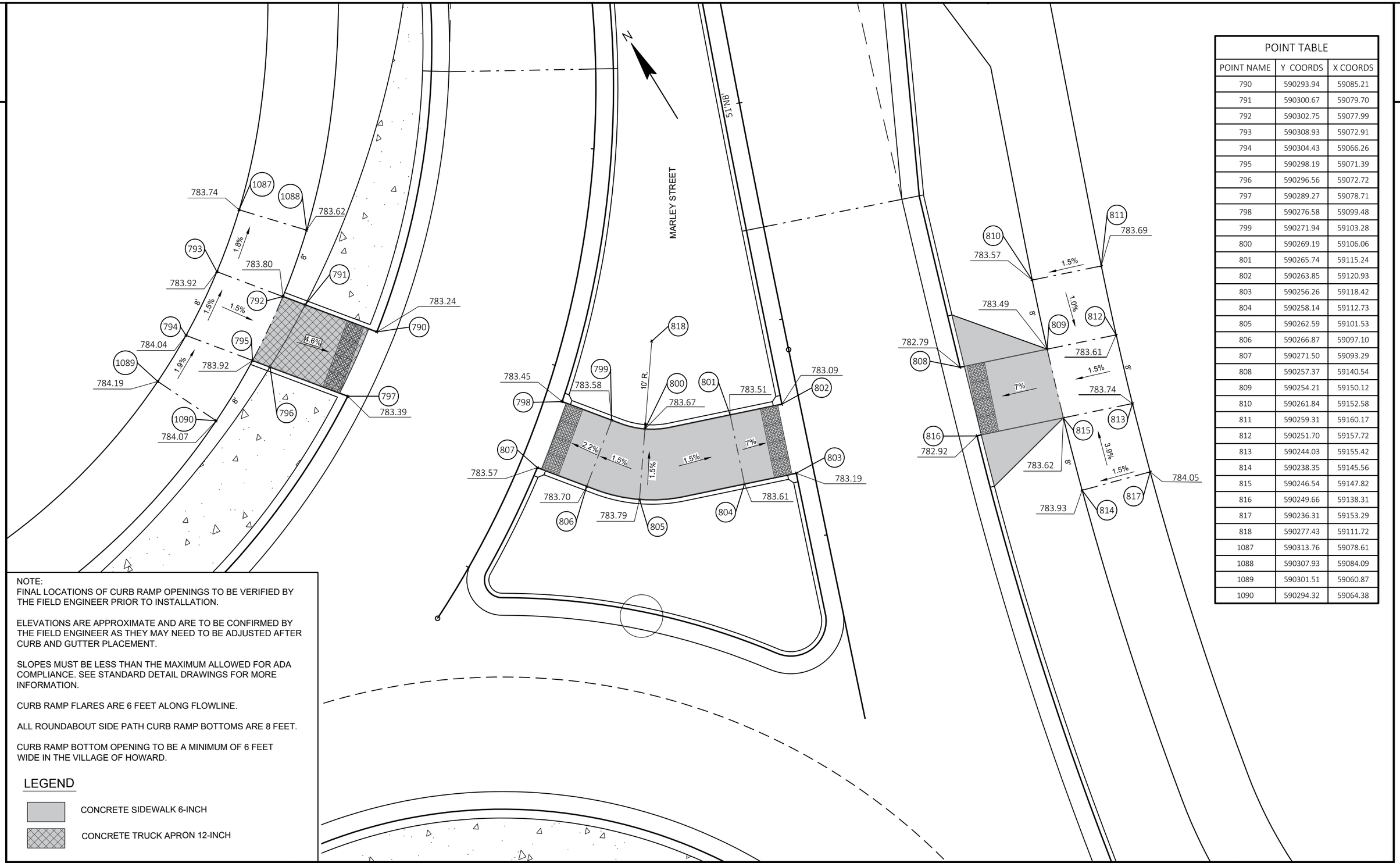
CONCRETE TRUCK APRON 12-INCH





POINT TABLE		
POINT NAME	Y COORDS	X COORDS
772	590134.68	59118.45
773	590130.11	59111.88
774	590125.52	59105.32
775	590112.67	59086.08
776	590105.67	59089.95
777	590118.97	59109.91
778	590123.55	59116.46
779	590128.14	59123.02
780	590147.97	59137.23
781	590152.53	59143.93
782	590156.02	59147.39
783	590160.56	59146.86
784	590167.49	59142.88
785	590170.98	59150.07
786	590165.01	59153.50
787	590153.23	59154.88
788	590146.12	59148.73
789	590141.03	59141.44

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CURB RAMP DETAILS-MARLEY ST./RAMP C	SHEET 145	E



POINT TABLE		
POINT NAME	Y COORDS	X COORDS
790	590293.94	59085.21
791	590300.67	59079.70
792	590302.75	59077.99
793	590308.93	59072.91
794	590304.43	59066.26
795	590298.19	59071.39
796	590296.56	59072.72
797	590289.27	59078.71
798	590276.58	59099.48
799	590271.94	59103.28
800	590269.19	59106.06
801	590265.74	59115.24
802	590263.85	59120.93
803	590256.26	59118.42
804	590258.14	59112.73
805	590262.59	59101.53
806	590266.87	59097.10
807	590271.50	59093.29
808	590257.37	59140.54
809	590254.21	59150.12
810	590261.84	59152.58
811	590259.31	59160.17
812	590251.70	59157.72
813	590244.03	59155.42
814	590238.35	59145.56
815	590246.54	59147.82
816	590249.66	59138.31
817	590236.31	59153.29
818	590277.43	59111.72
1087	590313.76	59078.61
1088	590307.93	59084.09
1089	590301.51	59060.87
1090	590294.32	59064.38

NOTE:
FINAL LOCATIONS OF CURB RAMP OPENINGS TO BE VERIFIED BY THE FIELD ENGINEER PRIOR TO INSTALLATION.

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SLOPES MUST BE LESS THAN THE MAXIMUM ALLOWED FOR ADA COMPLIANCE. SEE STANDARD DETAIL DRAWINGS FOR MORE INFORMATION.

CURB RAMP FLARES ARE 6 FEET ALONG FLOWLINE.

ALL ROUNDABOUT SIDE PATH CURB RAMP BOTTOMS ARE 8 FEET.

CURB RAMP BOTTOM OPENING TO BE A MINIMUM OF 6 FEET WIDE IN THE VILLAGE OF HOWARD.

LEGEND

CONCRETE SIDEWALK 6-INCH

CONCRETE TRUCK APRON 12-INCH

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CURB RAMP DETAILS-MARLEY ST./RAMPS C AND D RAB NORTH LEG	SHEET 146	E

NOTE:
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CURB RAMP FLARES ARE 6 FEET ALONG FLOWLINE.

ALL ROUNDABOUT SIDE PATH CURB RAMP BOTTOMS ARE 8 FEET.

CURB RAMP BOTTOM OPENING TO BE A MINIMUM OF 6 FEET WIDE IN THE VILLAGE OF HOWARD.

LEGEND

CONCRETE SIDEWALK 6-INCH

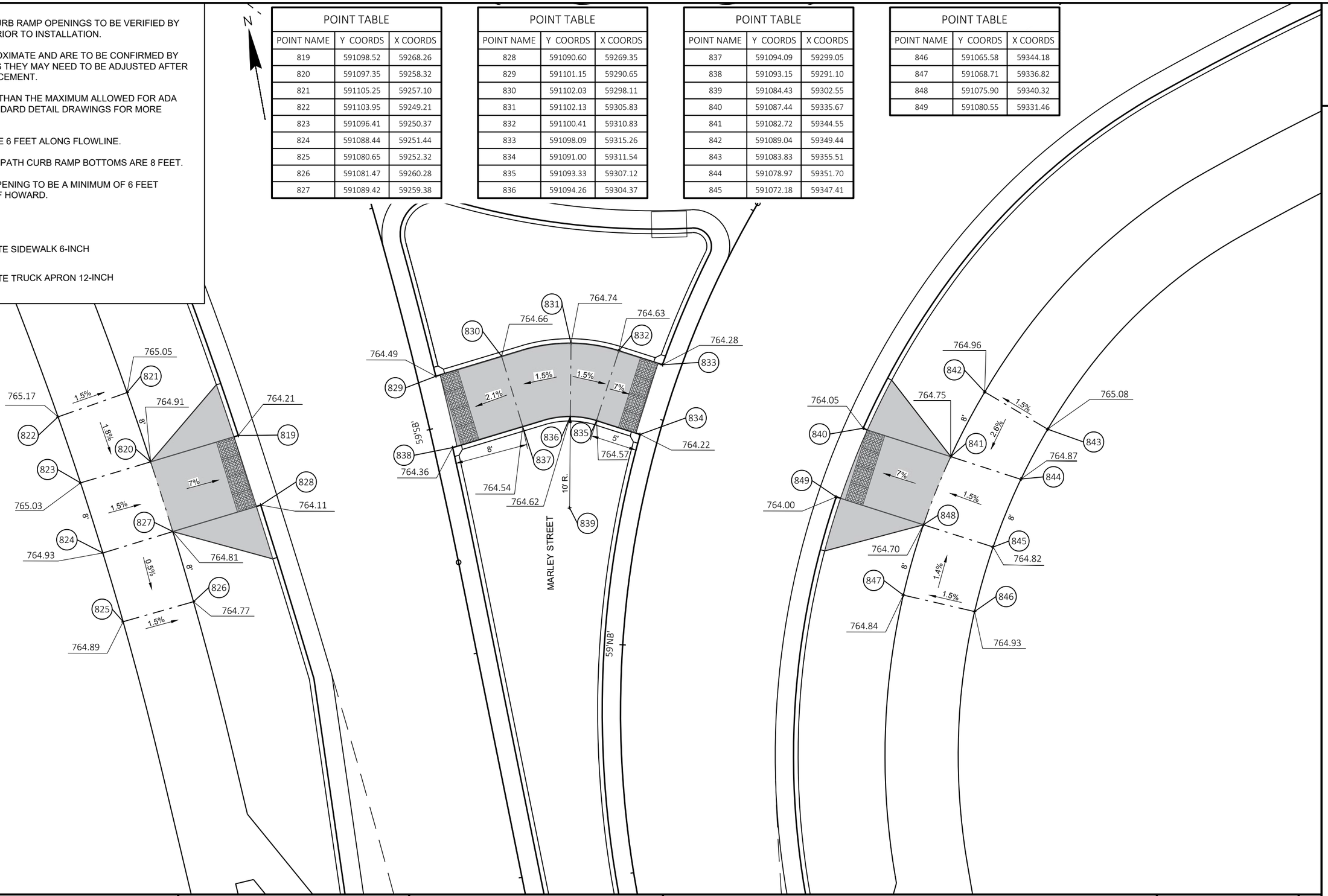
CONCRETE TRUCK APRON 12-INCH

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
819	591098.52	59268.26
820	591097.35	59258.32
821	591105.25	59257.10
822	591103.95	59249.21
823	591096.41	59250.37
824	591088.44	59251.44
825	591080.65	59252.32
826	591081.47	59260.28
827	591089.42	59259.38

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
828	591090.60	59269.35
829	591101.15	59290.65
830	591102.03	59298.11
831	591102.13	59305.83
832	591100.41	59310.83
833	591098.09	59315.26
834	591091.00	59311.54
835	591093.33	59307.12
836	591094.26	59304.37

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
837	591094.09	59299.05
838	591093.15	59291.10
839	591084.43	59302.55
840	591087.44	59335.67
841	591082.72	59344.55
842	591089.04	59349.44
843	591083.83	59355.51
844	591078.97	59351.70
845	591072.18	59347.41

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
846	591065.58	59344.18
847	591068.71	59336.82
848	591075.90	59340.32
849	591080.55	59331.46



NOTE:
FINAL LOCATIONS OF CURB RAMP OPENINGS TO BE VERIFIED BY THE FIELD ENGINEER PRIOR TO INSTALLATION.

ELEVATIONS ARE APPROXIMATE AND ARE TO BE CONFIRMED BY THE FIELD ENGINEER AS THEY MAY NEED TO BE ADJUSTED AFTER CURB AND GUTTER PLACEMENT.

SLOPES MUST BE LESS THAN THE MAXIMUM ALLOWED FOR ADA COMPLIANCE. SEE STANDARD DETAIL DRAWINGS FOR MORE INFORMATION.

CURB RAMP FLARES ARE 6 FEET ALONG FLOWLINE.

ALL ROUNDABOUT SIDE PATH CURB RAMP BOTTOMS ARE 8 FEET.

CURB RAMP BOTTOM OPENING TO BE A MINIMUM OF 6 FEET WIDE IN THE VILLAGE OF HOWARD.

LEGEND

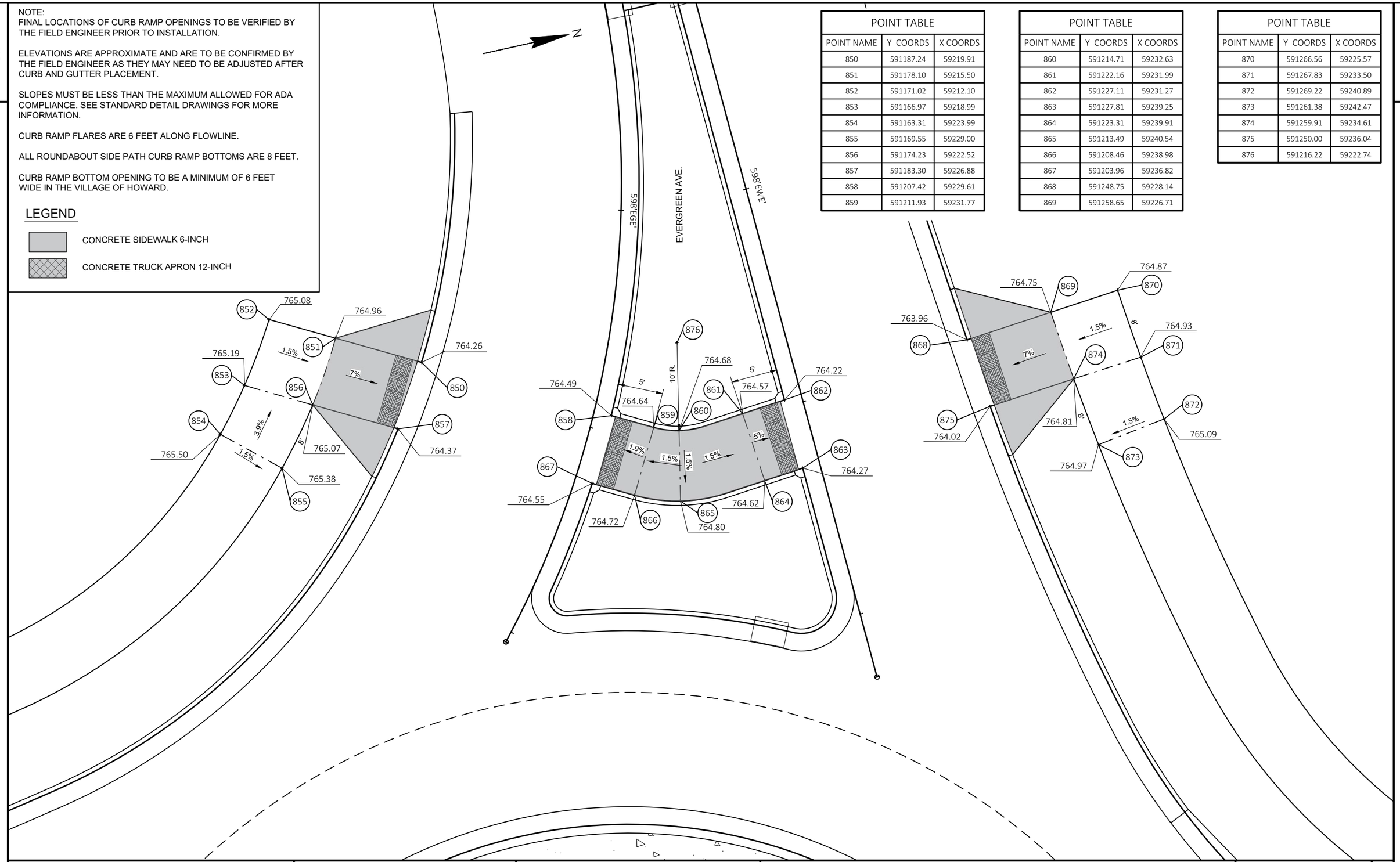
CONCRETE SIDEWALK 6-INCH

CONCRETE TRUCK APRON 12-INCH

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
850	591187.24	59219.91
851	591178.10	59215.50
852	591171.02	59212.10
853	591166.97	59218.99
854	591163.31	59223.99
855	591169.55	59229.00
856	591174.23	59222.52
857	591183.30	59226.88
858	591207.42	59229.61
859	591211.93	59231.77

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
860	591214.71	59232.63
861	591222.16	59231.99
862	591227.11	59231.27
863	591227.81	59239.25
864	591223.31	59239.91
865	591213.49	59240.54
866	591208.46	59238.98
867	591203.96	59236.82
868	591248.75	59228.14
869	591258.65	59226.71

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
870	591266.56	59225.57
871	591267.83	59233.50
872	591269.22	59240.89
873	591261.38	59242.47
874	591259.91	59234.61
875	591250.00	59236.04
876	591216.22	59222.74



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CURB RAMP DETAILS-MARLEY ST./EVERGREEN AVE. RAB WEST LEG	SHEET 148	E

NOTE:
FINAL LOCATIONS OF CURB RAMP OPENINGS TO BE VERIFIED BY THE FIELD ENGINEER PRIOR TO INSTALLATION.

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SLOPES MUST BE LESS THAN THE MAXIMUM ALLOWED FOR ADA COMPLIANCE. SEE STANDARD DETAIL DRAWINGS FOR MORE INFORMATION.

CURB RAMP FLARES ARE 6 FEET ALONG FLOWLINE.

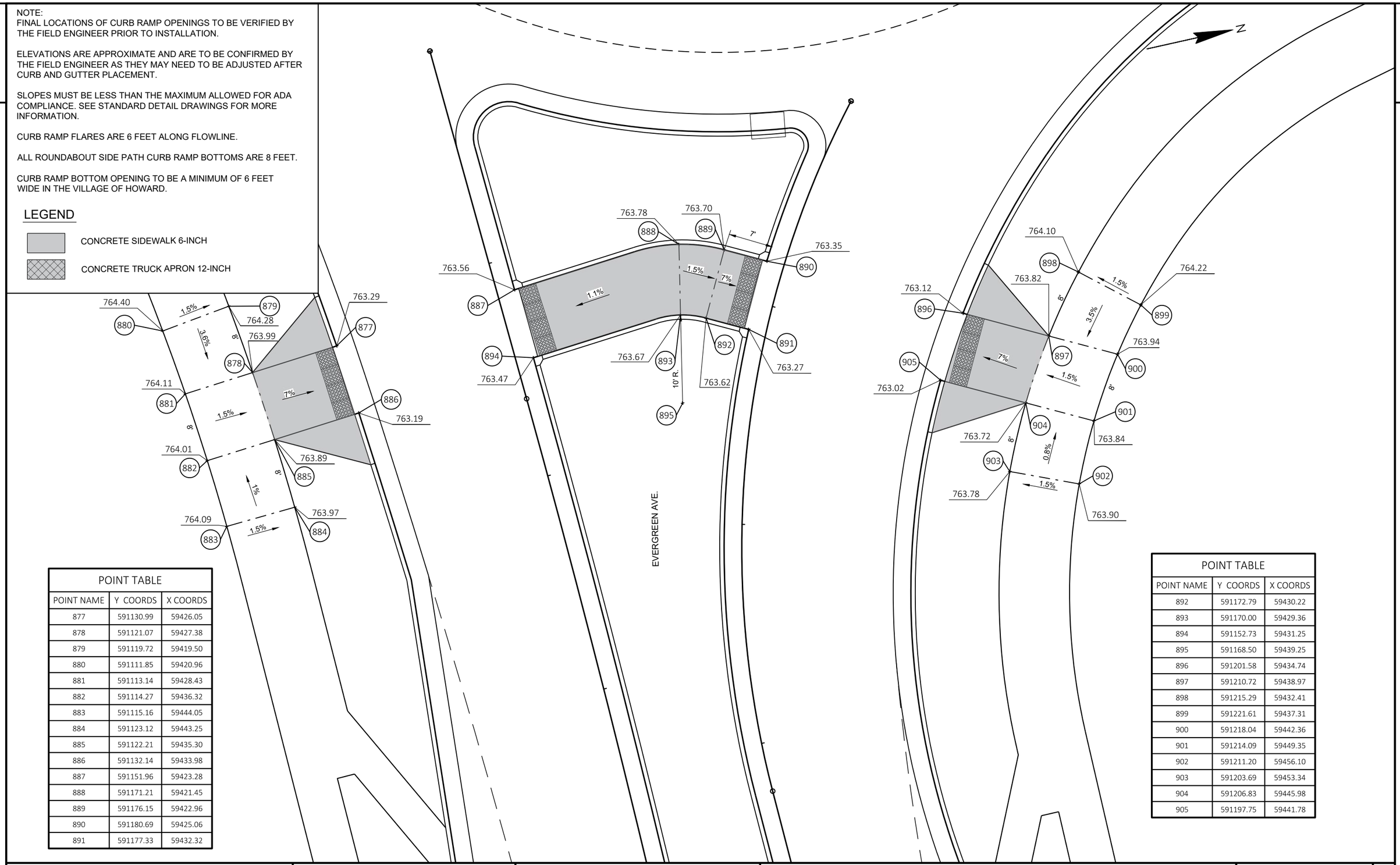
ALL ROUNDABOUT SIDE PATH CURB RAMP BOTTOMS ARE 8 FEET.

CURB RAMP BOTTOM OPENING TO BE A MINIMUM OF 6 FEET WIDE IN THE VILLAGE OF HOWARD.

LEGEND

CONCRETE SIDEWALK 6-INCH

CONCRETE TRUCK APRON 12-INCH



POINT TABLE		
POINT NAME	Y COORDS	X COORDS
877	591130.99	59426.05
878	591121.07	59427.38
879	591119.72	59419.50
880	591111.85	59420.96
881	591113.14	59428.43
882	591114.27	59436.32
883	591115.16	59444.05
884	591123.12	59443.25
885	591122.21	59435.30
886	591132.14	59433.98
887	591151.96	59423.28
888	591171.21	59421.45
889	591176.15	59422.96
890	591180.69	59425.06
891	591177.33	59432.32

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
892	591172.79	59430.22
893	591170.00	59429.36
894	591152.73	59431.25
895	591168.50	59439.25
896	591201.58	59434.74
897	591210.72	59438.97
898	591215.29	59432.41
899	591221.61	59437.31
900	591218.04	59442.36
901	591214.09	59449.35
902	591211.20	59456.10
903	591203.69	59453.34
904	591206.83	59445.98
905	591197.75	59441.78

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CURB RAMP DETAILS-MARLEY ST./EVERGREEN AVE. RAB EAST LEG	SHEET 149	E

NOTE:
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CURB RAMP FLARES ARE 6 FEET ALONG FLOWLINE.

ALL ROUNDABOUT SIDE PATH CURB RAMP BOTTOMS ARE 8 FEET.

CURB RAMP BOTTOM OPENING TO BE A MINIMUM OF 6 FEET WIDE IN THE VILLAGE OF HOWARD.

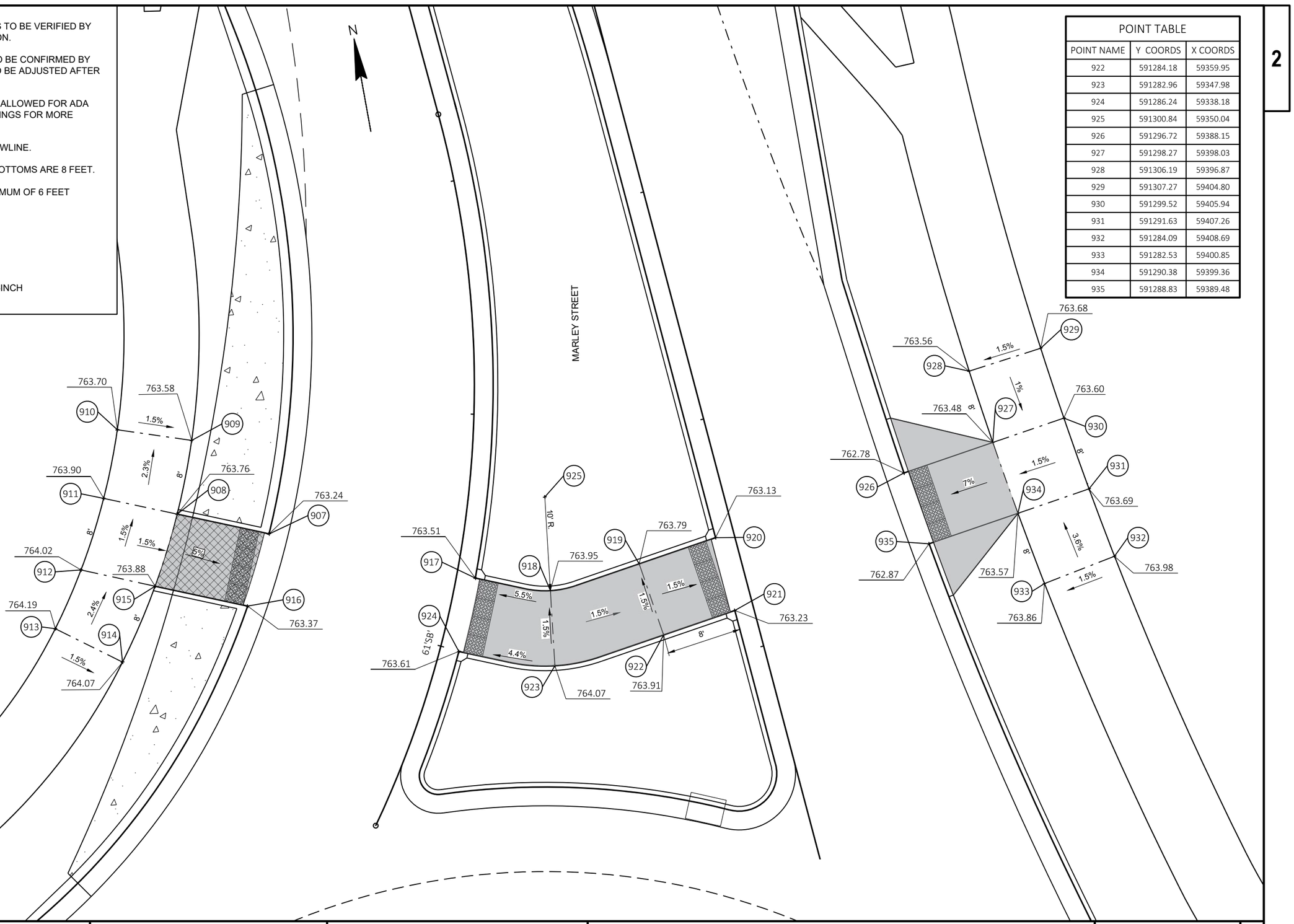
LEGEND

CONCRETE SIDEWALK 6-INCH

CONCRETE TRUCK APRON 12-INCH

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
907	591302.06	59320.44
908	591305.84	59311.18
909	591313.30	59314.06
910	591315.80	59306.46
911	591308.85	59303.76
912	591301.77	59300.06
913	591296.08	59296.28
914	591291.33	59302.71
915	591298.69	59307.53
916	591294.89	59316.87
917	591293.62	59341.26
918	591290.91	59348.90
919	591292.08	59358.71
920	591293.42	59367.20
921	591285.43	59367.87

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
922	591284.18	59359.95
923	591282.96	59347.98
924	591286.24	59338.18
925	591300.84	59350.04
926	591296.72	59388.15
927	591298.27	59398.03
928	591306.19	59396.87
929	591307.27	59404.80
930	591299.52	59405.94
931	591291.63	59407.26
932	591284.09	59408.69
933	591282.53	59400.85
934	591290.38	59399.36
935	591288.83	59389.48



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CURB RAMP DETAILS-MARLEY ST./EVERGREEN AVE. RAB NORTH LEG	SHEET 150	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021501-CR.DWG
LAYOUT NAME - 021513-cr
PLOT DATE : 6/30/2020 7:56 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:10 FT

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
937	591537.54	59297.08
938	591533.18	59297.12
939	591523.89	59297.27
940	591517.92	59297.95
941	591495.54	59304.88
942	591496.85	59309.71
943	591518.16	59302.95
944	591518.52	59310.40
945	591518.63	59312.81
946	591524.53	59310.65
947	591524.18	59303.26

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
948	591533.86	59303.11
949	591576.78	59296.94
950	591581.28	59296.92
951	591587.29	59297.40
952	591592.29	59297.38
953	591601.79	59297.35
954	591601.81	59302.35
955	591592.31	59302.38
956	591587.31	59302.40
957	591580.65	59302.93

N

MILLWOOD CT.

941 760.78 940 760.69 939 760.06 938 760.01 937
942 760.81 943 947 760.71 760.28 944 760.19 946 760.26 945 760.08 948
23.5' 2% 0.6% 1.5% 0.3% 7% 0.5% 1% 4.4' 9.3' 6' 7% 7.5' 2.4' 0.6% 0.5%

957 759.43 949 759.49 950 759.53 951 759.95 952 760.01 953 760.21
956 759.85 955 759.94 954 760.14
4.5' 6' 0.9% 0.5% 7% 1.5% 5' 1.5% 9.5' 2.1% 1.5%

NOTE:
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SLOPES MUST BE LESS THAN THE MAXIMUM ALLOWED FOR ADA COMPLIANCE. SEE STANDARD DETAIL DRAWINGS FOR MORE INFORMATION.

CURB RAMP FLARES ARE 6 FEET ALONG FLOWLINE.

ALL ROUNDABOUT SIDE PATH CURB RAMP BOTTOMS ARE 8 FEET.

CURB RAMP BOTTOM OPENING TO BE A MINIMUM OF 6 FEET WIDE IN THE VILLAGE OF HOWARD.

LEGEND

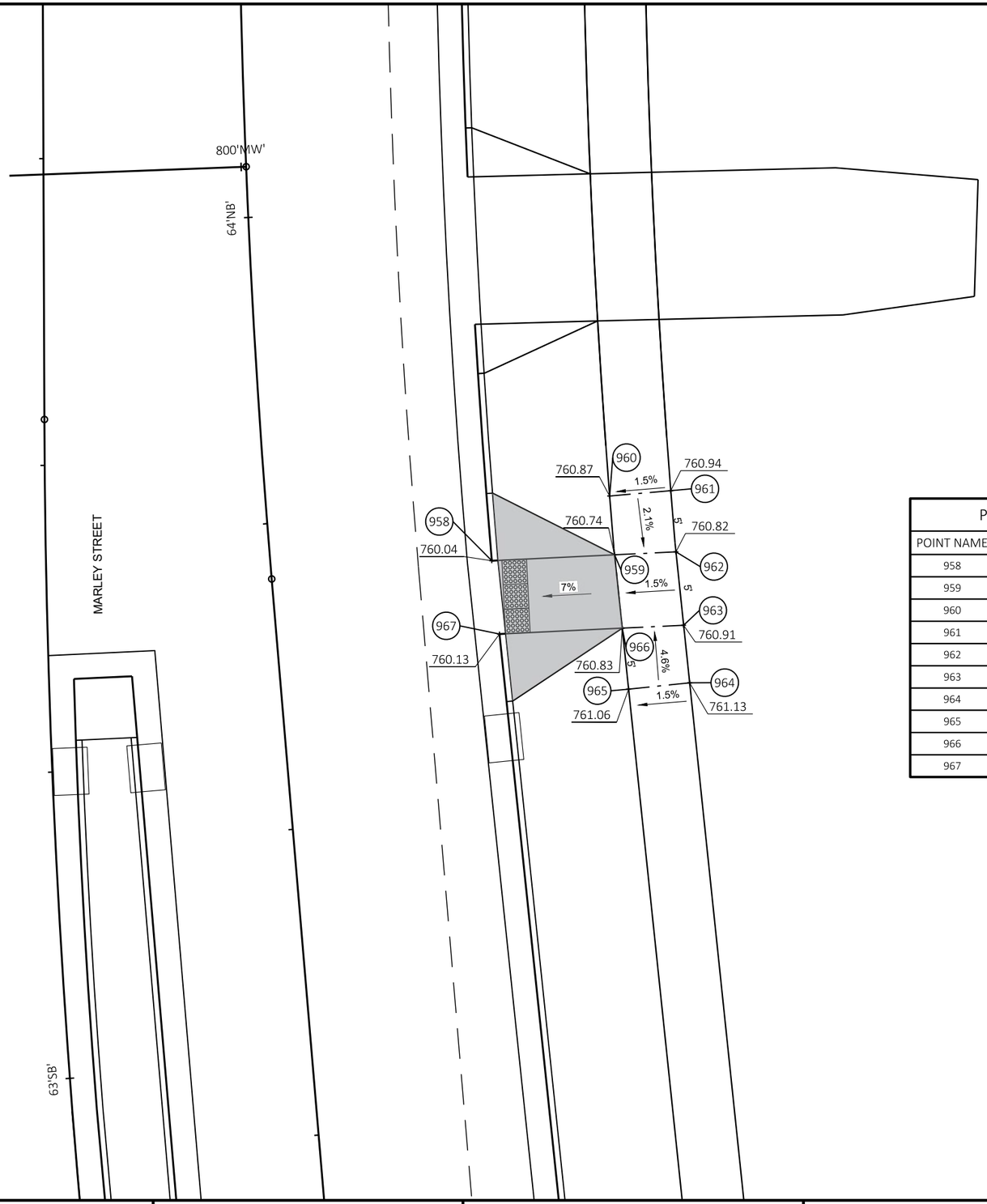
CONCRETE SIDEWALK 6-INCH

CONCRETE TRUCK APRON 12-INCH

63'SB' 64'SB' MARLEY STREET 64'NB' 800'NW'

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CURB RAMP DETAILS-MARLEY ST./MILLWOOD CT.	SHEET 151	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021501-CR.DWG
LAYOUT NAME - 021514-cr
PLOT DATE : 6/30/2020 7:57 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:10 FT



NOTE:
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SLOPES MUST BE LESS THAN THE MAXIMUM ALLOWED FOR ADA COMPLIANCE. SEE STANDARD DETAIL DRAWINGS FOR MORE INFORMATION.

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ALL ROUNDABOUT SIDE PATH CURB RAMP BOTTOMS ARE 8 FEET.

CURB RAMP BOTTOM OPENING TO BE A MINIMUM OF 6 FEET WIDE IN THE VILLAGE OF HOWARD.

LEGEND

CONCRETE SIDEWALK 6-INCH

CONCRETE TRUCK APRON 12-INCH

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
958	591527.27	59367.54
959	591527.75	59377.55
960	591532.55	59377.15
961	591532.98	59382.13
962	591527.99	59382.55
963	591522.02	59383.18
964	591517.32	59383.67
965	591516.80	59378.70
966	591521.78	59378.18
967	591521.29	59368.17

2

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CURB RAMP DETAILS-MARLEY ST./MILLWOOD CT.	SHEET 152	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021501-CR.DWG
LAYOUT NAME - 021515-cr
PLOT DATE : 6/30/2020 7:57 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

NOTE:
FINAL LOCATIONS OF CURB RAMP OPENINGS TO BE VERIFIED BY THE FIELD ENGINEER PRIOR TO INSTALLATION.

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SLOPES MUST BE LESS THAN THE MAXIMUM ALLOWED FOR ADA COMPLIANCE. SEE STANDARD DETAIL DRAWINGS FOR MORE INFORMATION.

CURB RAMP FLARES ARE 6 FEET ALONG FLOWLINE.

ALL ROUNDABOUT SIDE PATH CURB RAMP BOTTOMS ARE 8 FEET.

CURB RAMP BOTTOM OPENING TO BE A MINIMUM OF 6 FEET WIDE IN THE VILLAGE OF HOWARD.

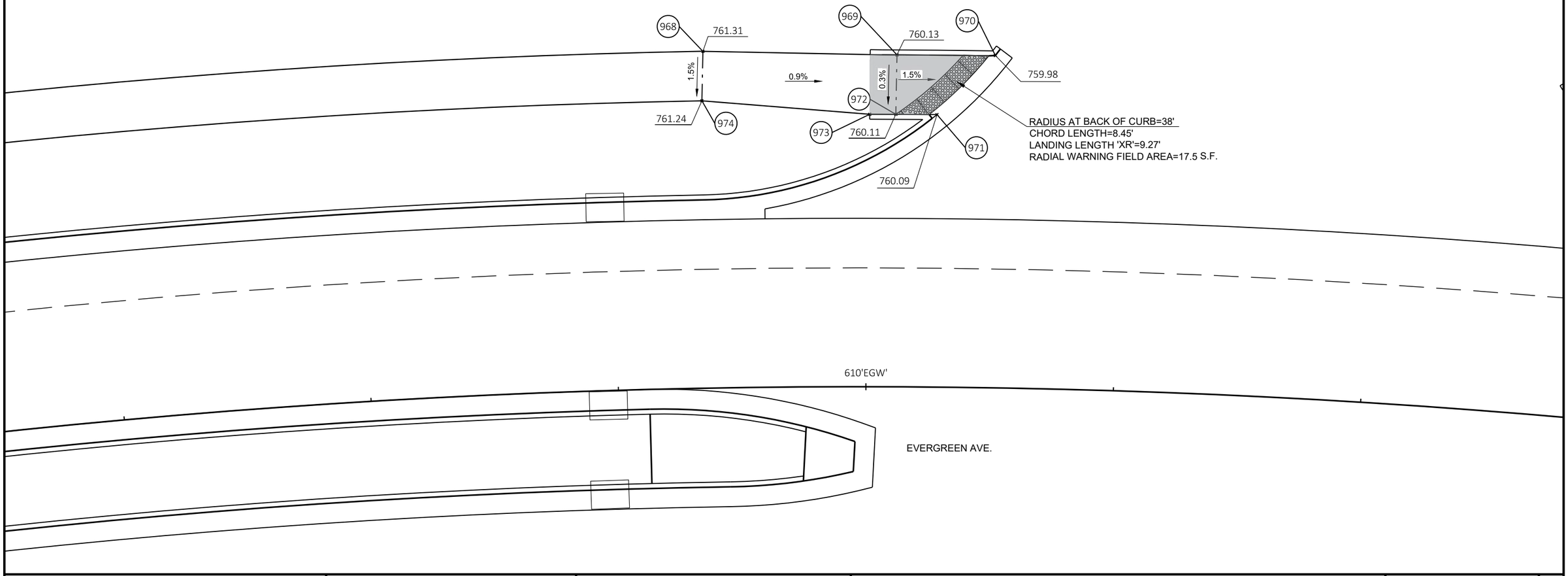
LEGEND

CONCRETE SIDEWALK 6-INCH

CONCRETE TRUCK APRON 12-INCH

N

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
968	590938.42	60339.39
969	590923.61	60352.24
970	590916.18	60358.84
971	590916.57	60350.47
972	590919.68	60347.70
973	590921.64	60345.95
974	590935.15	60335.61



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CURB RAMP DETAILS-EVERGREEN AVE.	SHEET 153	E

2

LEGEND

CONCRETE SIDEWALK 6-INCH

CONCRETE TRUCK APRON 12-INCH

NOTE:
FINAL LOCATIONS OF CURB RAMP OPENINGS TO BE VERIFIED BY THE FIELD ENGINEER PRIOR TO INSTALLATION.

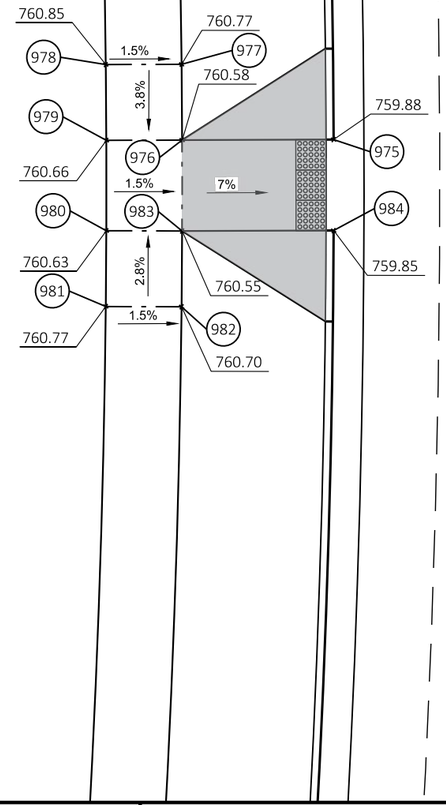
ELEVATIONS ARE APPROXIMATE AND ARE TO BE CONFIRMED BY THE FIELD ENGINEER AS THEY MAY NEED TO BE ADJUSTED AFTER CURB AND GUTTER PLACEMENT.

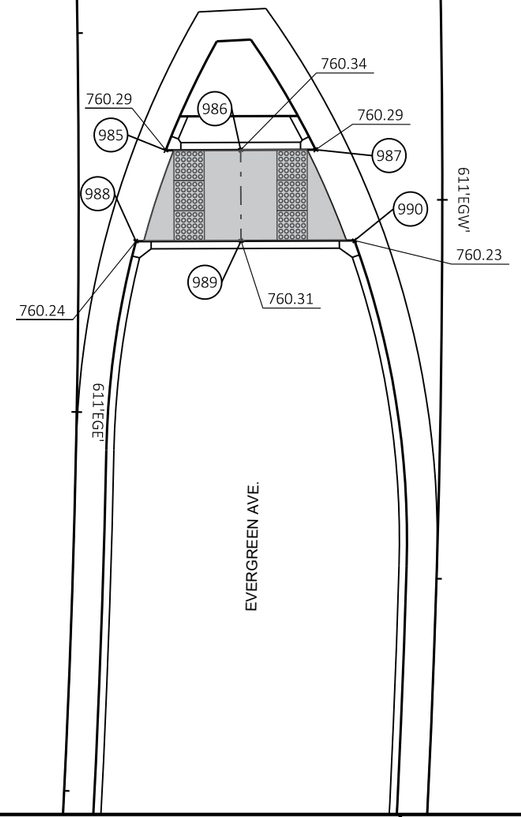
SLOPES MUST BE LESS THAN THE MAXIMUM ALLOWED FOR ADA COMPLIANCE. SEE STANDARD DETAIL DRAWINGS FOR MORE INFORMATION.

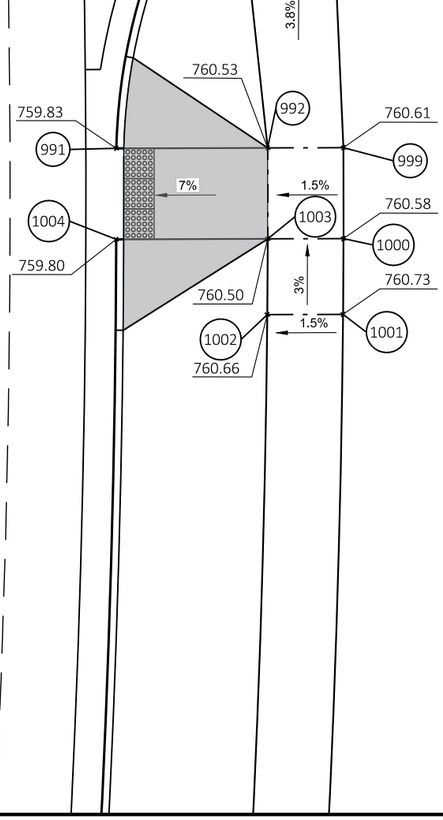
CURB RAMP FLARES ARE 6 FEET ALONG FLOWLINE.

CURB RAMP BOTTOM OPENING TO BE A MINIMUM OF 6 FEET WIDE IN THE VILLAGE OF HOWARD.

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
975	590803.23	60350.37
976	590797.47	60342.20
977	590801.54	60339.30
978	590798.66	60335.22
979	590794.58	60338.11
980	590789.70	60341.53
981	590785.58	60344.37
982	590788.43	60348.48
983	590792.55	60345.64
984	590798.31	60353.81
985	590817.49	60370.59
986	590820.35	60374.64
987	590823.20	60378.69
988	590811.45	60372.43
989	590815.44	60378.10







POINT TABLE		
POINT NAME	Y COORDS	X COORDS
990	590819.76	60384.22
991	590838.97	60401.04
992	590844.72	60409.21
993	590856.81	60398.66
994	590858.92	60397.10
995	590862.22	60394.62
996	590870.49	60395.94
997	590862.50	60401.90
998	590860.39	60403.47
999	590847.61	60413.30
1000	590842.69	60416.74
1001	590838.58	60419.58
1002	590835.70	60415.50
1003	590839.81	60412.65
1004	590834.05	60404.48

2

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CURB RAMP DETAILS-EVERGREEN AVE.	SHEET 154	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021501-CR.DWG
LAYOUT NAME - 021517-cr

PLOT DATE : 6/30/2020 7:57 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:10 FT

2

EVERGREEN AVE.

622'EGE'

623'EGE'

N

1010 758.98

1011 758.11

1012 757.87

1013 757.76

1014

1008

1009 759.05

1007 758.20

1006 757.78

1005 757.67

1015

1.5%

4.4%

20'

1.5%

7%

1.5%

6'

RADIUS AT BACK OF CURB=57.5'
CHORD LENGTH=9.62'
LANDING LENGTH 'XR'=11.38'
RADIAL WARNING FIELD AREA=20 S.F.

CONNECTION RD.

NOTE:
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SLOPES MUST BE LESS THAN THE MAXIMUM ALLOWED FOR ADA COMPLIANCE. SEE STANDARD DETAIL DRAWINGS FOR MORE INFORMATION.

CURB RAMP FLARES ARE 6 FEET ALONG FLOWLINE.

ALL ROUNDABOUT SIDE PATH CURB RAMP BOTTOMS ARE 8 FEET.

CURB RAMP BOTTOM OPENING TO BE A MINIMUM OF 6 FEET WIDE IN THE VILLAGE OF HOWARD.

LEGEND

CONCRETE SIDEWALK 6-INCH

CONCRETE TRUCK APRON 12-INCH

POINT TABLE

POINT NAME	Y COORDS	X COORDS
1005	589671.71	60774.43
1006	589680.31	60765.98
1007	589681.86	60764.46
1008	589684.72	60761.92
1009	589699.66	60748.60
1010	589703.16	60752.19
1011	589688.81	60766.13
1012	589686.05	60768.78
1013	589684.47	60770.31
1014	589681.09	60773.57

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CURB RAMP DETAILS-EVERGREEN AVE./CONNECTION RD. WEST SIDE	SHEET 155	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021501-CR.DWG
LAYOUT NAME - 021518-cr
PLOT DATE : 6/30/2020 7:57 AM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

CONNECTION RD.

RADIUS AT BACK OF CURB=37.5'
CHORD LENGTH=8.11'
LANDING LENGTH 'XR'=8.65'
RADIAL WARNING FIELD AREA=17 S.F.

1015 757.32
1016 757.40
1017 757.82
1018
1020 758.20
1021 758.23
1022 758.36
1023 758.29
1024 758.15
1025 757.45
1026 757.42
1027 758.12
1029 757.73
1030
1031 757.38
1032 757.34
1033 757.79
1034 757.87
1035 757.85
1036 757.77
1037 757.28
1038 757.98
1039 758.17
1040 758.24
1041 758.06
1042 758.05
1043 758.22
1044 757.97
1045
1046 757.27
1047

1.5% 7% 2.6% 2.8% 6' 15' 5'
3.8% 3.4%

624'EGW'
624'EGE
EVERGREEN AVE.

NOTE:
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CURB RAMP FLARES ARE 6 FEET ALONG FLOWLINE.

ALL ROUNDABOUT SIDE PATH CURB RAMP BOTTOMS ARE 8 FEET.

CURB RAMP BOTTOM OPENING TO BE A MINIMUM OF 6 FEET WIDE IN THE VILLAGE OF HOWARD.

LEGEND

CONCRETE SIDEWALK 6-INCH

CONCRETE TRUCK APRON 12-INCH

POINT TABLE

POINT NAME	Y COORDS	X COORDS
1015	589632.88	60815.40
1016	589626.78	60822.37
1017	589624.90	60824.54
1018	589622.97	60826.97
1020	589613.62	60838.70
1021	589609.80	60843.37
1022	589606.64	60847.28
1023	589610.56	60850.39
1024	589613.68	60846.52
1025	589621.40	60852.88
1026	589625.20	60848.24
1027	589617.48	60841.88
1029	589627.37	60830.78
1030	589629.45	60828.45
1031	589631.31	60826.30
1032	589633.87	60823.35
1033	589643.09	60863.01
1034	589647.14	60866.34
1035	589643.76	60871.33
1036	589638.28	60866.81
1037	589673.03	60887.69
1038	589680.74	60894.06
1039	589683.93	60890.21
1040	589687.79	60893.39
1041	589684.60	60897.24
1042	589680.82	60901.85
1043	589677.68	60905.75
1044	589673.80	60902.59
1045	589676.94	60898.70
1046	589669.22	60892.34
1047	589669.22	60892.34

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CURB RAMP DETAILS-EVERGREEN AVE./CONNECTION RD. EAST SIDE	SHEET 156	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021501-CR.DWG
LAYOUT NAME - 021519-cr
PLOT DATE : 6/30/2020 7:57 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:10 FT

2

NOTE:
FINAL LOCATIONS OF CURB RAMP OPENINGS TO BE VERIFIED BY THE FIELD ENGINEER PRIOR TO INSTALLATION.

ELEVATIONS ARE APPROXIMATE AND ARE TO BE CONFIRMED BY THE FIELD ENGINEER AS THEY MAY NEED TO BE ADJUSTED AFTER CURB AND GUTTER PLACEMENT.

SLOPES MUST BE LESS THAN THE MAXIMUM ALLOWED FOR ADA COMPLIANCE. SEE STANDARD DETAIL DRAWINGS FOR MORE INFORMATION.

CURB RAMP FLARES ARE 6 FEET ALONG FLOWLINE.

ALL ROUNDABOUT SIDE PATH CURB RAMP BOTTOMS ARE 8 FEET.

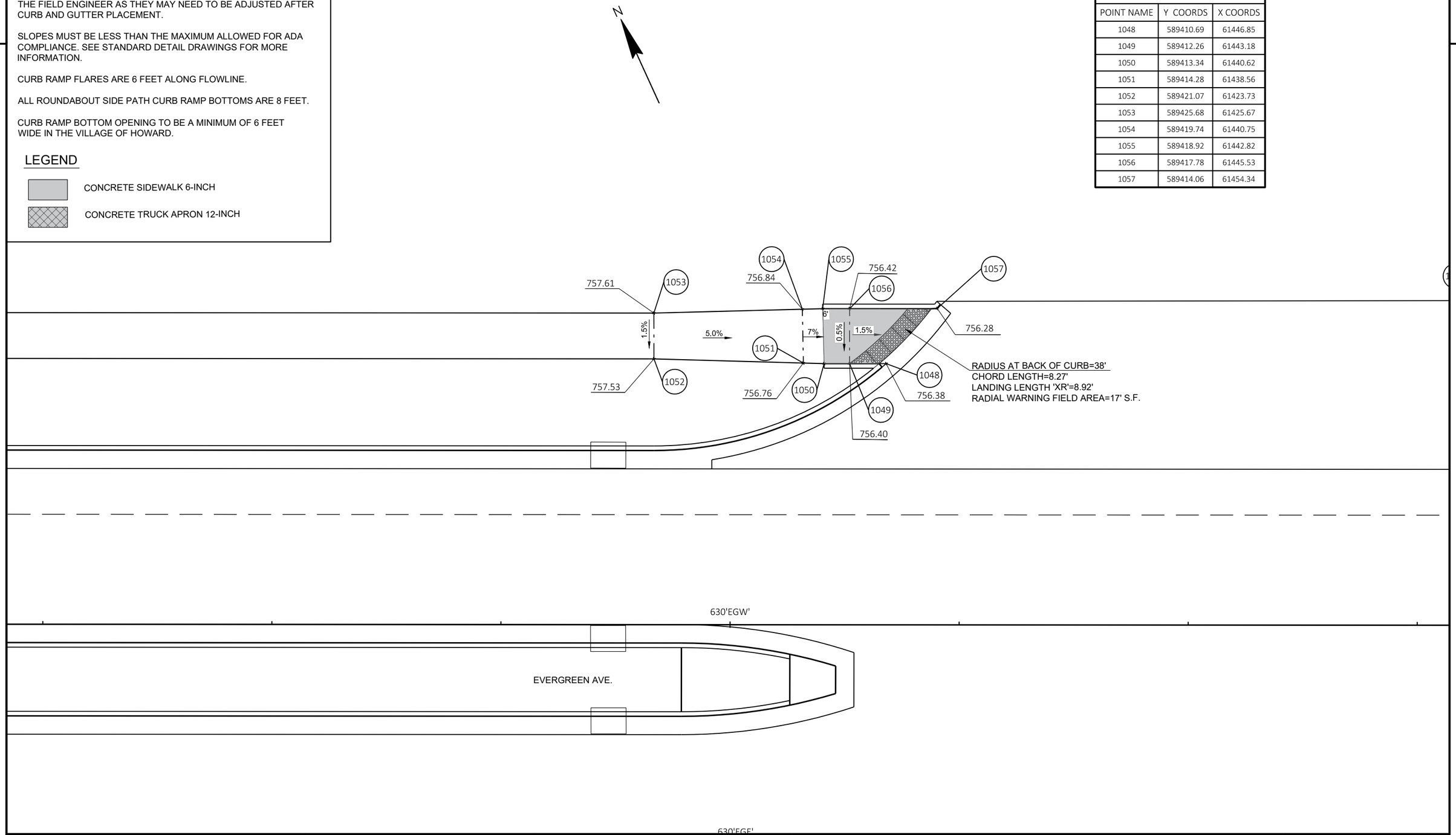
CURB RAMP BOTTOM OPENING TO BE A MINIMUM OF 6 FEET WIDE IN THE VILLAGE OF HOWARD.

LEGEND

CONCRETE SIDEWALK 6-INCH

CONCRETE TRUCK APRON 12-INCH

POINT TABLE		
POINT NAME	Y COORDS	X COORDS
1048	589410.69	61446.85
1049	589412.26	61443.18
1050	589413.34	61440.62
1051	589414.28	61438.56
1052	589421.07	61423.73
1053	589425.68	61425.67
1054	589419.74	61440.75
1055	589418.92	61442.82
1056	589417.78	61445.53
1057	589414.06	61454.34



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CURB RAMP DETAILS-EVERGREEN AVE.	SHEET 157	E

NOTE:
FINAL LOCATIONS OF CURB RAMP OPENINGS TO BE VERIFIED BY THE FIELD ENGINEER PRIOR TO INSTALLATION.

ELEVATIONS ARE APPROXIMATE AND ARE TO BE CONFIRMED BY THE FIELD ENGINEER AS THEY MAY NEED TO BE ADJUSTED AFTER CURB AND GUTTER PLACEMENT.

SLOPES MUST BE LESS THAN THE MAXIMUM ALLOWED FOR ADA COMPLIANCE. SEE STANDARD DETAIL DRAWINGS FOR MORE INFORMATION.

CURB RAMP FLARES ARE 6 FEET ALONG FLOWLINE.

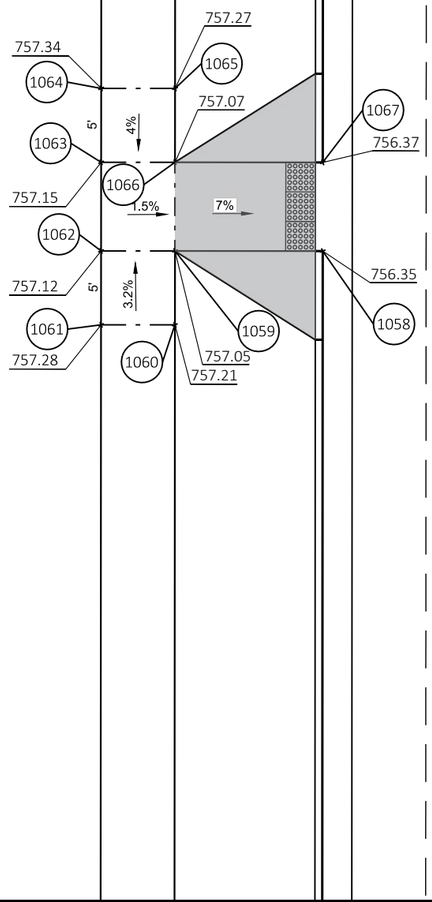
ALL ROUNDABOUT SIDE PATH CURB RAMP BOTTOMS ARE 8 FEET.

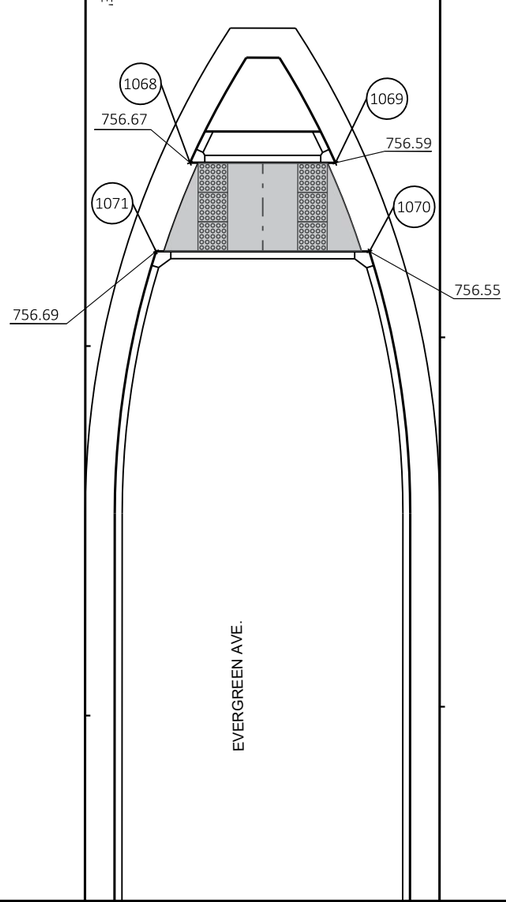
CURB RAMP BOTTOM OPENING TO BE A MINIMUM OF 6 FEET WIDE IN THE VILLAGE OF HOWARD.

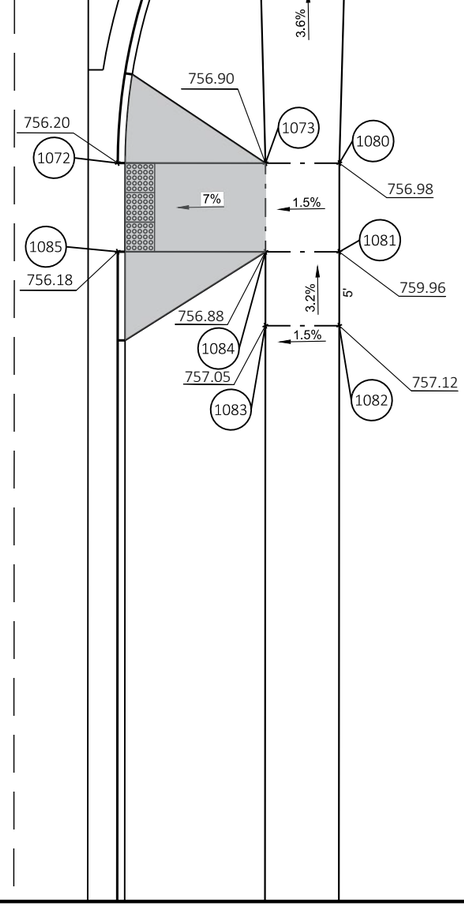
LEGEND

CONCRETE SIDEWALK 6-INCH

CONCRETE TRUCK APRON 12-INCH







POINT TABLE		
POINT NAME	Y COORDS	X COORDS
1058	589304.91	61512.90
1059	589295.71	61508.98
1060	589293.75	61513.58
1061	589289.15	61511.63
1062	589291.10	61507.03
1063	589293.45	61501.50
1064	589295.41	61496.90
1065	589300.01	61498.86
1066	589298.05	61503.46
1067	589307.26	61507.37
1068	589331.25	61517.58
1069	589340.31	61521.43
1070	589340.08	61527.85
1071	589326.79	61522.20
1072	589364.31	61531.64
1073	589373.51	61535.55
1074	589380.31	61518.28
1075	589381.40	61515.73
1076	589382.96	61512.05
1077	589390.63	61509.30
1078	589386.92	61518.08
1079	589385.84	61520.63
1080	589378.11	61537.51
1081	589375.77	61543.03
1082	589373.81	61547.63
1083	589369.21	61545.68
1084	589371.16	61541.07
1085	589361.96	61537.16

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CURB RAMP DETAILS-EVERGREEN AVE.	SHEET 158	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021501-CR.DWG
LAYOUT NAME - 021521-cr
PLOT DATE : 6/30/2020 7:57 AM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : Custom

2

LEGEND

FTMS CONVENTIONAL SYMBOLS

	PROPOSED
POLE MOUNTED CABINET	
METER BREAKER PEDESTAL	
24X42-INCH CSCP PULL BOX	
FTMS (ITS) CONDUIT	
BREAKER DISCONNECT BOX	
COMMUNICATIONS VAULT, TYPE 1	
CCTV CAMERA AND POLE	CAMERA ORIENTATION

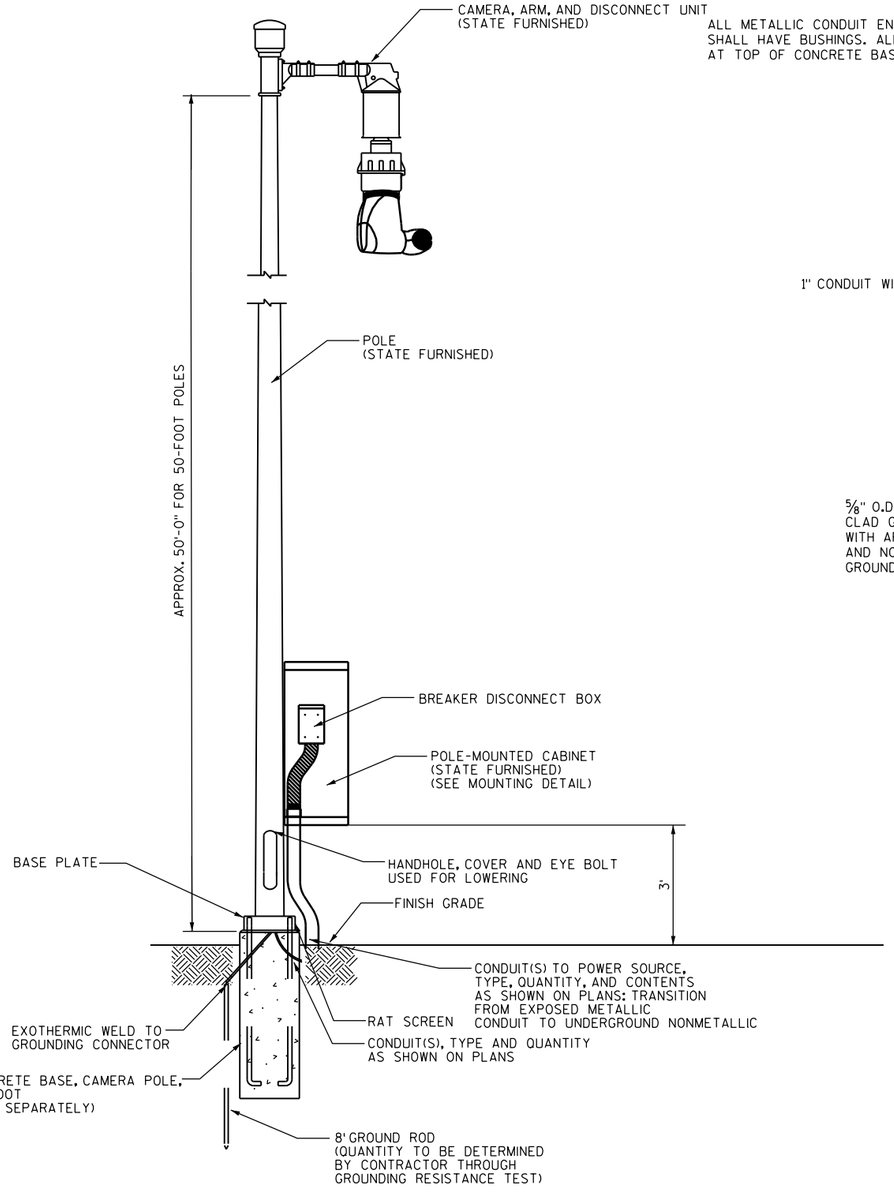
FTMS STANDARD ABBREVIATIONS

CB	CONTROLLER CABINET
CCTV	CLOSED CIRCUIT TELEVISION SITE
CV	COMMUNICATIONS VAULT
PB	PULL BOX
EX	EXISTING
SDS	SYSTEM DETECTOR STATION
FOC	FIBER OPTIC CABLE
F.O.	FIBER OPTIC
MD	MICROWAVE DETECTOR
S-F	STATE-FURNISHED
DMS	DYNAMIC MESSAGE SIGN

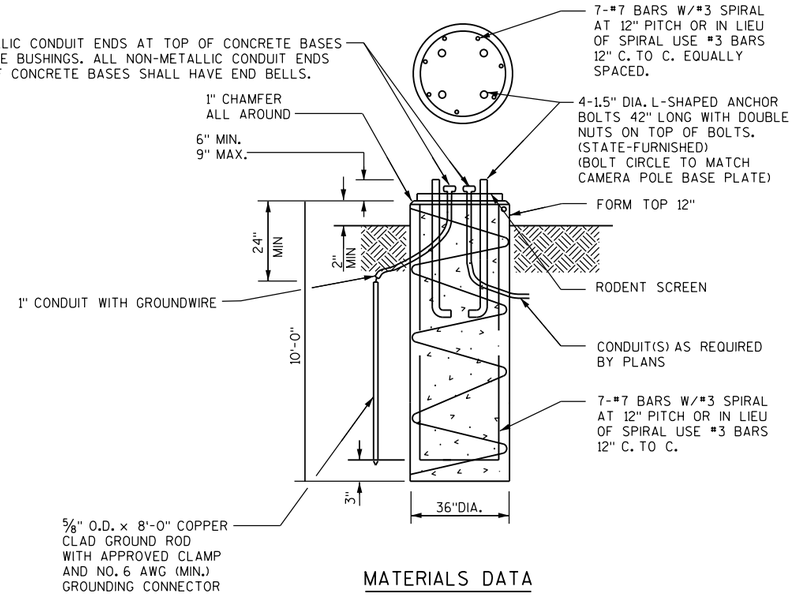
FTMS GENERAL NOTES

1. THESE PLANS AND THE ASSOCIATED SPECIAL PROVISIONS REFLECT CONDITIONS KNOWN DURING THE DEVELOPMENT OF THE PLANS AND TECHNICAL SPECIAL PROVISIONS. ALL SCALES, DIMENSIONS AND LOCATIONS SHOWN IN THESE PLANS ARE APPROXIMATE. ACTUAL PHYSICAL FIELD CONDITIONS SHALL PROVIDE THE BASIS FOR THE APPLICATION OF WORK SHOWN IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE APPLICATION OF ALL WORK SHOWN IN THE PLANS TO THE ACTUAL PHYSICAL FIELD CONDITIONS TO PROVIDE A COMPLETE AND ACCEPTED PROJECT. IN THE EVENT THAT ACTUAL PHYSICAL FIELD CONDITIONS AFFECT OR PREVENT THE APPLICATION OR PROGRESSION OF ANY WORK SHOWN IN THE PLANS OR TECHNICAL SPECIAL PROVISIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY, AND PRIOR TO ANY FURTHER WORK ACTIVITY. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY LOCATION CHANGES OTHER THAN MINOR ADJUSTMENTS.
2. BE AWARE THAT ALL EXISTING UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES WITHIN THE SCOPE OF THIS PROJECT MAY NOT BE LOCATED IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR LOCATING AND AVOIDING ALL UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES.
3. BE AWARE THAT NO TEST BORINGS WERE MADE WHERE CONDUITS, PULLBOXES, POLES, CABINET FOUNDATIONS, OR OTHER EQUIPMENT IS TO BE INSTALLED. THE CONTRACTOR IS FULLY RESPONSIBLE FOR EXAMINING THE JOB SITE CONDITIONS BEFORE SUBMITTING BID PROPOSALS.
4. NO TREES (AND/OR SHRUBS) SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.
5. AREAS WITHIN THE RIGHT-OF-WAY DISTURBED SPECIFICALLY FOR FTMS CONSTRUCTION SHALL BE RESTORED TO THE ORIGINAL CONDITION WITH TOPSOIL, FERTILIZER, SEED, AND EROSION MAT, AND SHALL BE INCLUDED IN THE COST OF INSTALLING FTMS ITEMS. RESTORATION FOR AREAS DISTURBED FOR OTHER CONSTRUCTION OPERATIONS BUT ALSO CONTAINING FTMS CONSTRUCTION SHALL BE DONE ACCORDING TO REQUIREMENTS AND PAYMENT PROVISIONS FOR THE OTHER CONSTRUCTION OPERATIONS.
6. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
7. DUE TO RAMP, LANE, SHOULDER CLOSURE RESTRICTIONS, AND WORK UNDER OTHER CONTRACTS, SOME WORK MAY BE REQUIRED TO BE PERFORMED AT NIGHT.
8. THE CONTRACTOR IS FULLY RESPONSIBLE FOR COORDINATING RAMP, LANE, SHOULDER, AND ROADWAY CLOSURES WITH OTHER CONTRACTS IN THE AREA.
9. THE CONTRACTOR SHALL CONTACT THE WISDOT STATEWIDE TRAFFIC OPERATIONS CENTER AT (414) 227-2166 FIVE (5) WORKING DAYS PRIOR TO ENTERING ANY EXISTING WISDOT FTMS OR ITS CABINET.
10. ALL LOOP DETECTORS ARE STATIONED TO CENTER OF LEADING EDGE AS APPROACHED BY NORMAL VEHICLE PATH.
11. HAND DIG TRENCHES CROSSING EXISTING CONDUIT CONTAINING FIBER OPTIC CABLE.
12. VISUALLY VERIFY DEPTHS OF EXISTING CONDUITS CONTAINING FIBER OPTIC CABLE PRIOR TO CROSSING BY DIRECTIONAL BORE OR SPECIAL METHOD.

2



CAMERA POLE WITH CAMERA LOWERING HARDWARE

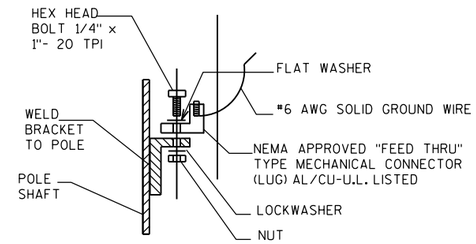


MATERIALS DATA

CONCRETE	f'c=3,500 psi
HIGH STRENGTH BAR STEEL REINFORCEMENT	fy = 60,000 psi

CONCRETE BASE, 50' CAMERA POLE

NOT TO SCALE



FIELD INSTALLED GROUNDING LUG

NOTES

1) ALL HARDWARE AND FASTENERS SHALL BE STAINLESS STEEL
2) POLE DRAWINGS SHOWN FOR BIDDING INFORMATION PURPOSES ONLY. POLES WILL BE STATE FURNISHED. BASE TO BE CONTRACTOR DESIGNED.
3) CONTRACTOR SHALL CONFIRM BOLT PATTERN OF CAMERA POLE PRIOR TO CONSTRUCTION OF CONCRETE BASE.
4) CONTRACTOR SHALL INSTALL GROUNDING LUG AS SHOWN

CAMERA POLES & FOUNDATIONS

2

2

EXISTING LIGHTING CABINET L05-2025
CONNECT POWER WIRES TO LIGHTING
METER PEDESTAL ON A NEW
SEPARATE CIRCUIT BREAKER

(1) 2-INCH NONMETALLIC CONDUIT WITH
(1) 12-COUNT FOC (S-F) AND
(1) NO. 10 AWG TRAFFIC SIGNAL WIRE

PBVV01

(1) 2-INCH NONMETALLIC CONDUIT WITH
(3) NO. 6 AWG TRAFFIC SIGNAL WIRES

(2) 2-INCH NONMETALLIC CONDUITS
(1) WITH (1) 12-COUNT FOC (S-F) AND
(1) NO. 10 AWG TRAFFIC SIGNAL WIRE
(1) WITH (3) NO. 6 AWG TRAFFIC SIGNAL WIRES

CVVV01 (BROWN COUNTY FIBER OPTIC NETWORK)
(4) F.O. SPLICES

PBVV02
(1) TRACER WIRE MARKER POST TO BE
INSTALLED ADJACENT TO PULL BOX

(1) 2-INCH METALLIC CONDUIT WITH
(3) NO. 6 AWG TRAFFIC SIGNAL WIRES

CONDUIT AND FIBER OPTIC CABLE CONSTRUCTION
DESIGN SHOWED IN BROADBAND FIBER PLAN
SECTION OF PLANSET

(1) 2-INCH NONMETALLIC CONDUIT WITH
(1) 12-COUNT FOC (S-F) AND
(1) NO. 10 AWG TRAFFIC SIGNAL WIRE

NEW CR VV/TRIANGLE DRIVE

STH 29/STH 32

258EB 260EB 262EB 264EB 266EB 268EB 270EB 272EB

STH 29/STH 32

CCTV-05-0113
(1) 50-FOOT CCTV POLE (S-F)
(1) 50-FOOT CCTV POLE CONCRETE BASE
(1) CCTV CAMERA (S-F)
(1) POLE MOUNTED CABINET (S-F)
(1) BREAKER DISCONNECT BOX
(1) 6-COUNT F.O. TERMINATION PANEL (S-F)
(1) ETHERNET SWITCH (S-F)
(6) F.O. TERMINATIONS

NORTH OVERLAND ROAD

CR VV/TRIANGLE DRIVE

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	FTMS DESIGN SHEETS	SHEET 161	E

FILE NAME : \\mlww400\ingrproj\68581\base\brown\29001071_29_vv_cctv.dgn PLOT DATE : 3/10/2020 PLOT BY : PKutz PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

2

N

CTH FF / SHERWOOD STREET

SUBSTATION

SIGN

STH 29/STH 32

380EB

382EB

384EB

386EB

388EB

390EB

392EB

394EB

STH 29/STH 32

SIGN

EX-CCTV-05-0075
(1) 6-COUNT F.O. TERMINATION PANEL (S-F)
(6) F.O. TERMINATIONS

IN EXISTING CONDUIT
(1) 12-COUNT FOC (S-F) AND
(1) NO. 10 AWG TRAFFIC SIGNAL WIRE

IN EXISTING CONDUIT
(1) 12-COUNT FOC (S-F) AND
(1) NO. 10 AWG TRAFFIC SIGNAL WIRE

EXPBFF01
(1) INSTALL PROPOSED CONDUIT
INTO EXISTING PULL BOX

EXPBFF02
(1) TRACER WIRE MARKER POST TO BE
INSTALLED ADJACENT TO PULL BOX

(1) 2-INCH NONMETALLIC CONDUIT, SPECIAL WITH
(1) 12-COUNT FOC (S-F) AND
(1) NO. 10 AWG TRAFFIC SIGNAL WIRE

CVFF01 (BROWN COUNTY FIBER OPTIC NETWORK)
(4) F.O. SPLICES

CONDUIT AND FIBER OPTIC CABLE CONSTRUCTION
DESIGN SHOWED IN BROADBAND FIBER PLAN
SECTION OF PLANSET

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	FTMS DESIGN SHEETS	SHEET 162 E

FILE NAME : \\mlww400\ingrproj\68581\base\brown\29001071_29_vv_cctv.dgn PLOT DATE : 3/10/2020 PLOT BY : PKutz PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

2

(1) 2-INCH NONMETALLIC CONDUIT, SPECIAL (UNDER SIDEWALK) WITH
(1) 12-COUNT FOC (S-F) AND
(1) NO. 10 AWG TRACER WIRE

EXCVCR02 (WISDOT FIBER OPTIC NETWORK)
(1) INSTALL PROPOSED CONDUIT INTO EXISTING VAULT
(4) F.O. SPLCES
(1) F.O. SPLICE ENCLOSURE (S-F)
(1) TRACER WIRE MARKER POST TO BE
INSTALLED ADJACENT TO PULL BOX

EXCVCR01 (BROWN COUNTY FIBER OPTIC NETWORK)
(1) INSTALL PROPOSED CONDUIT INTO EXISTING VAULT
(4) F.O. SPLICES
(1) F.O. SPLICE ENCLOSURE (S-F)

CEDAR RIDGE
NORTH ROAD
ORLANDO DRIVE
I 41
640NB
642NB
644NB
646NB
648NB
650NB
652NB
654NB
PILGRIM WAY
CORMIER ROAD
MARLEE LANE
CARSTENSEN LANE
NOVA LANE
GILSON COURT
SIGN
INL
MH
POOL
N

AS-BUILTS INFORMATION SOURCE
PROJECT DESIGN FILES
LET: 07/23/2013 / ID: 1133-09-71

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	FTMS DESIGN SHEETS	SHEET	E

FILE NAME : \\mlww400\ingrproj\68581\base\brown\29001071_29_vv_cctv.dgn PLOT DATE : 3/10/2020 PLOT BY : PKutz PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE STA. 40+15'NB'

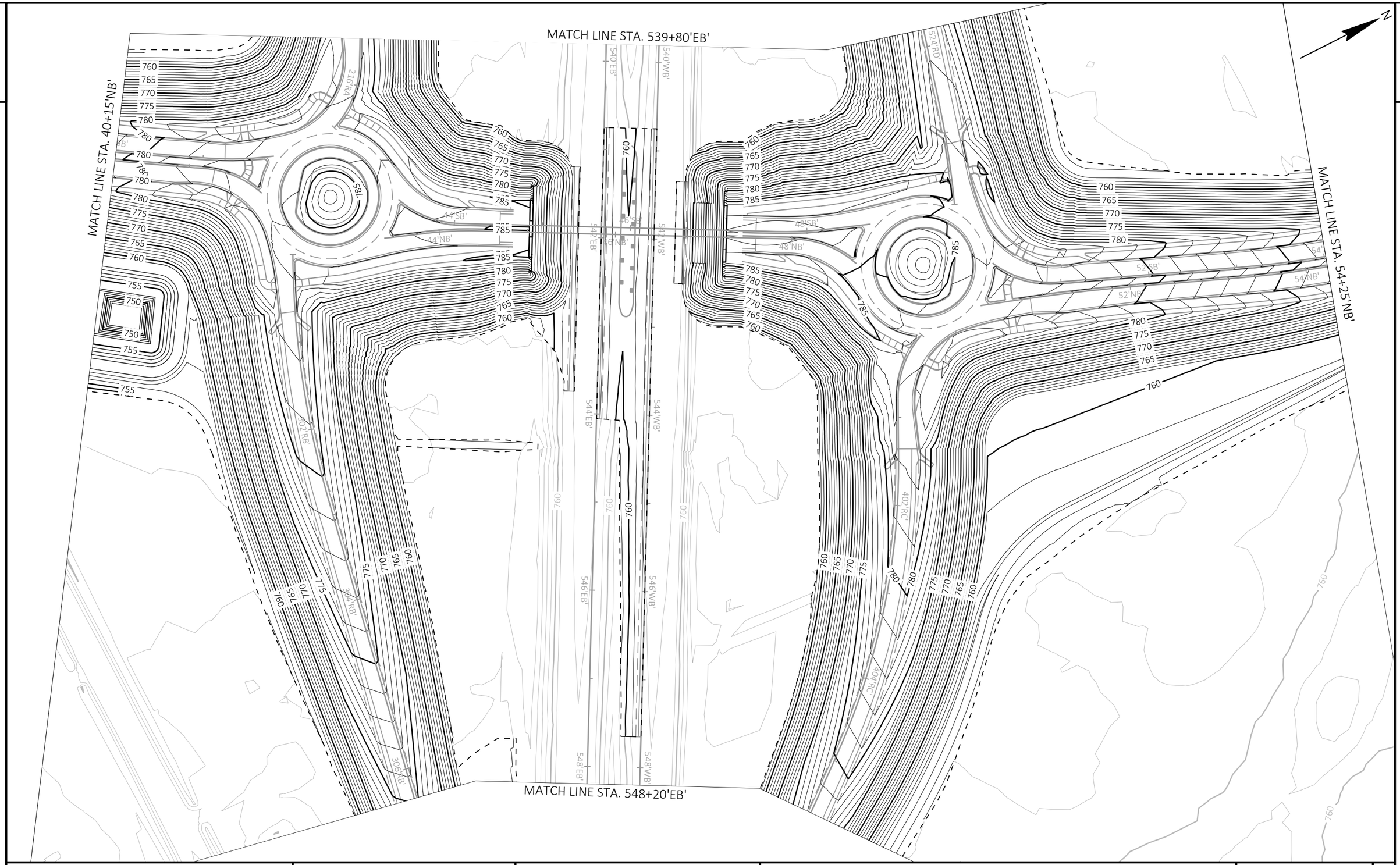
MATCH LINE STA. 104+50'CE'

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CONTOUR MAPS CTH VV	SHEET 164 E

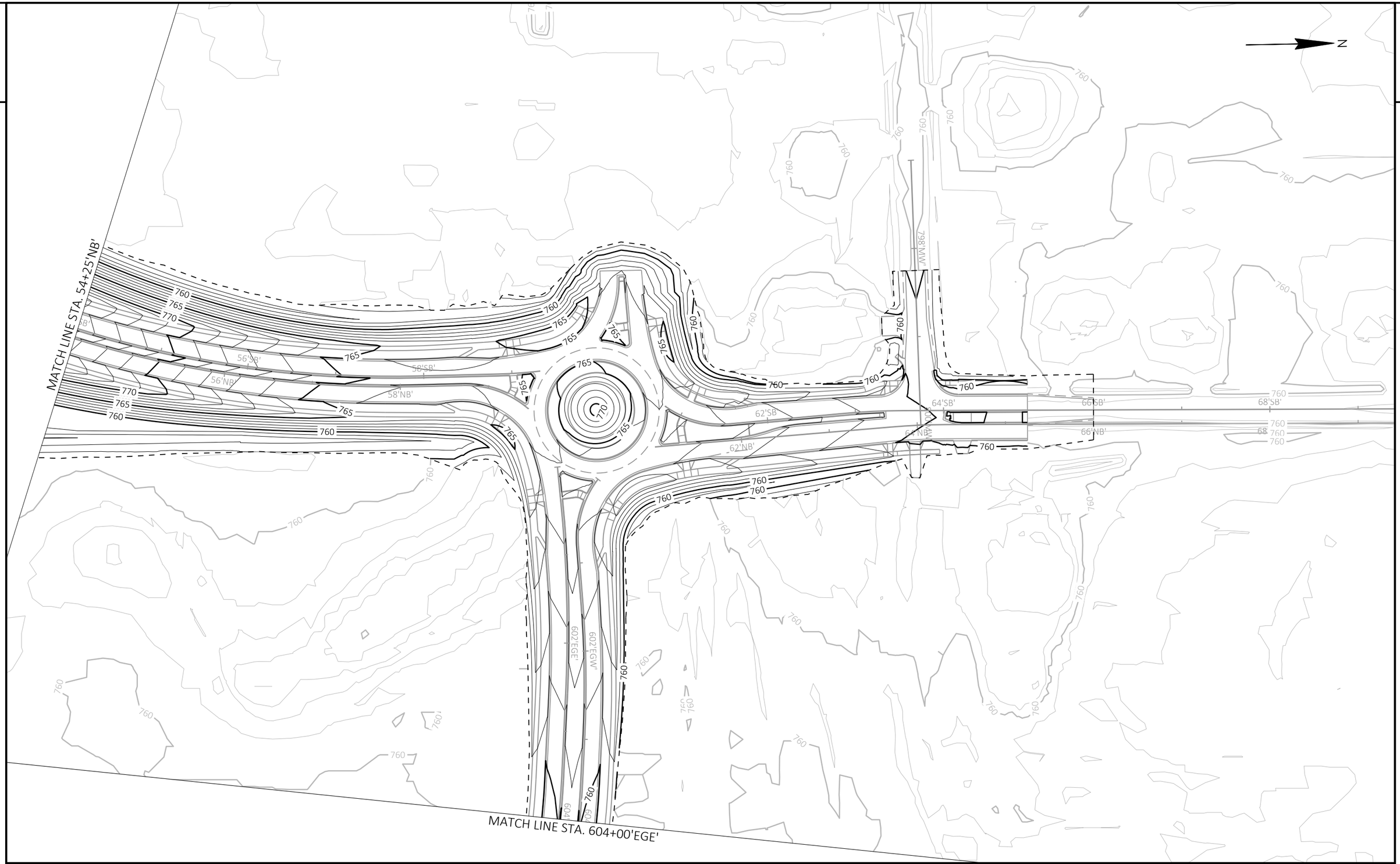
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021701-CM.DWG
LAYOUT NAME - 021701 cm

PLOT DATE : 6/30/2020 8:19 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42


MATCH LINE STA. 539+80'EB'
MATCH LINE STA. 40+15'NB'
MATCH LINE STA. 54+25'NB'
MATCH LINE STA. 548+20'EB'
N
540'EB'
540'WB'
542'EB'
542'WB'
544'EB'
544'WB'
546'EB'
546'WB'
548'EB'
548'WB'
216'RA
302'RB
304'RB
306'RB
524'RD
402'RC
404'RC
44'SB'
44'NB'
46'SB'
46'NB'
48'SB'
48'NB'
52'SB'
52'NB'
760
765
770
775
780
785
755
750

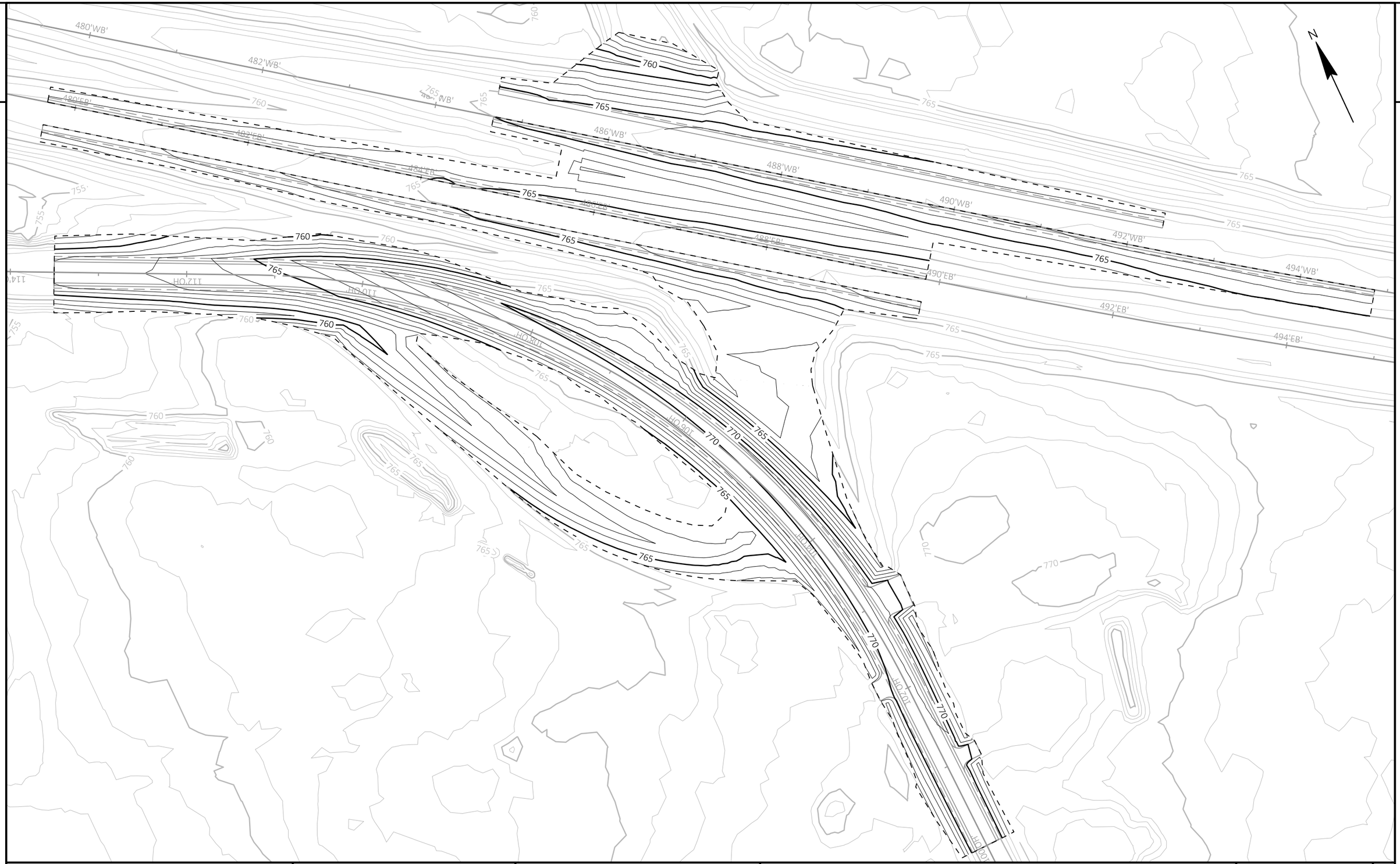
2



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CONTOUR MAPS MARLEY ST.	SHEET 166	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021701-CM.DWG
LAYOUT NAME - 021703 cm

PLOT DATE : 6/30/2020 8:19 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

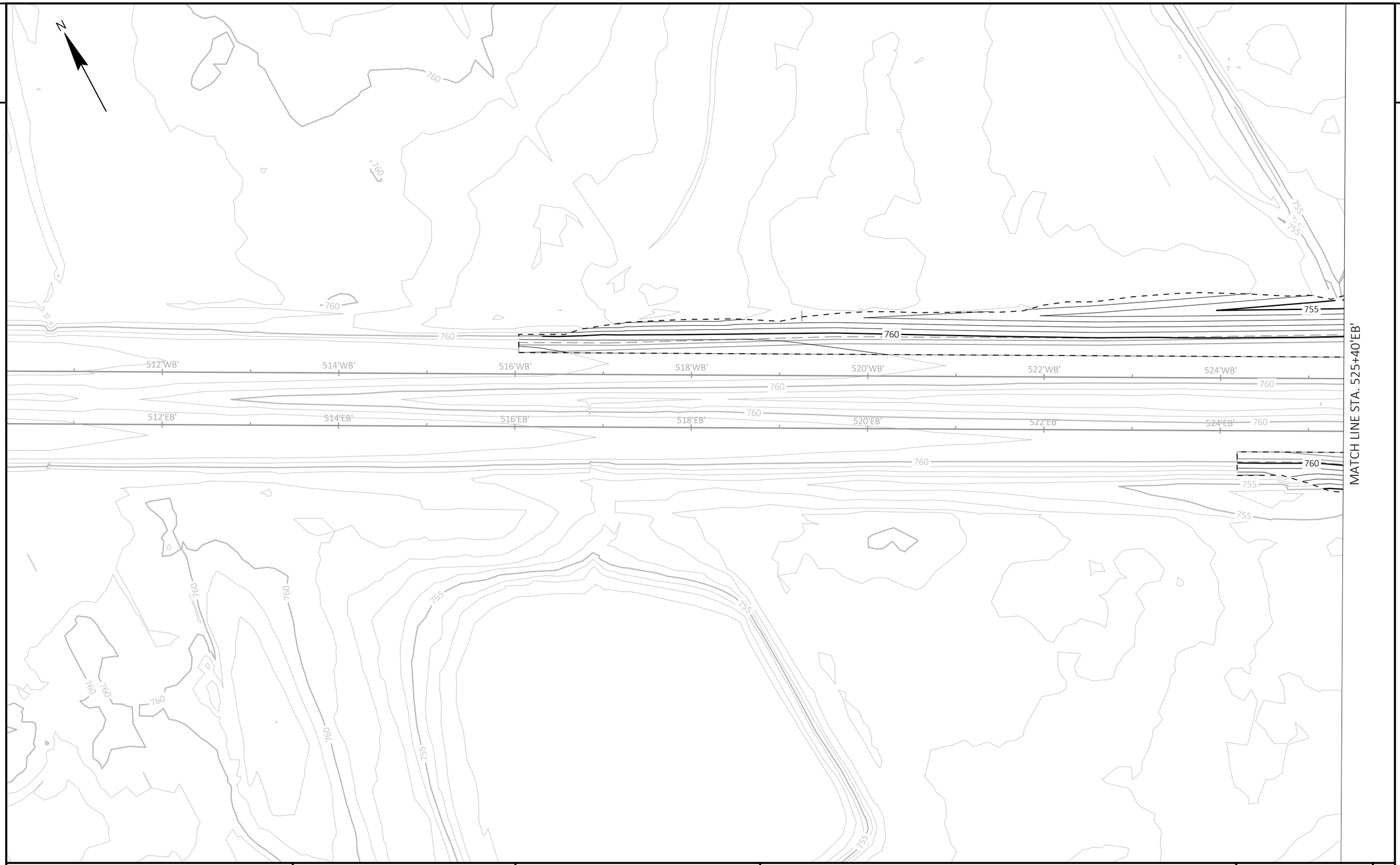


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CONTOUR MAPS STH 29	SHEET 167	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021701-CM.DWG
LAYOUT NAME - 021704 cm

PLOT DATE : 6/30/2020 8:19 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CONTOUR MAPS STH 29	SHEET 168	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021701-CM.DWG
LAYOUT NAME - 021705 cm
PLOT DATE : 6/30/2020 8:19 AM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE STA. 525+40'EB'

MATCH LINE STA. 539+80'EB'

755' 755 760 765 770 775 780

510'RD' 512'RD' 514'RD' 516'RD' 518'RD' 520'RD' 522'RD'

526'WB' 528'WB' 530'WB' 532'WB' 534'WB' 536'WB' 538'WB'

526'EB' 528'EB' 530'EB' 532'EB' 534'EB' 536'EB' 538'EB'

202'RA' 204'RA' 206'RA' 208'RA' 210'RA' 212'RA' 214'RA'

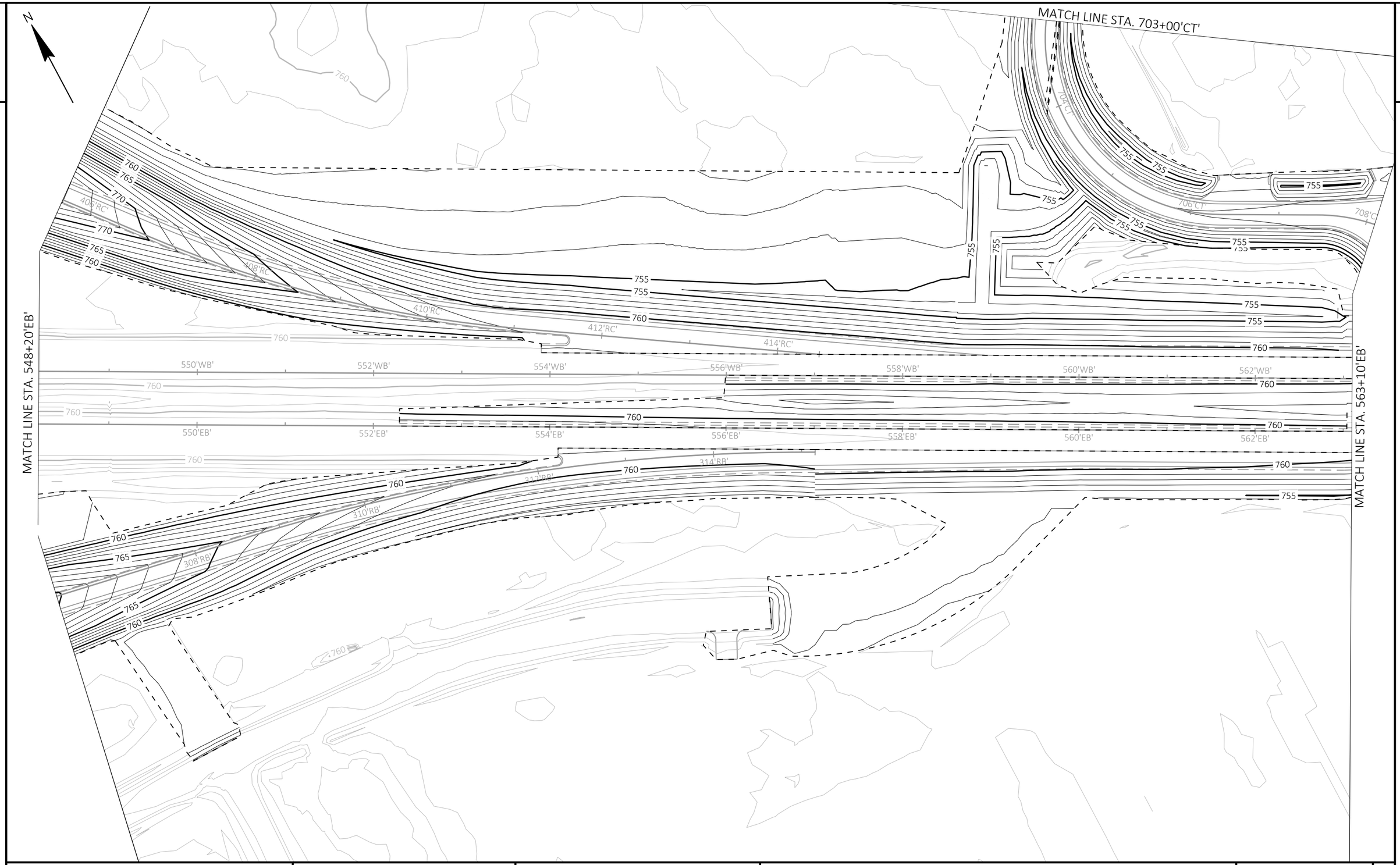
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CONTOUR MAPS STH 29	SHEET 169	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021701-CM.DWG
LAYOUT NAME - 021706 cm

PLOT DATE : 6/30/2020 8:20 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CONTOUR MAPS STH 29	SHEET 170	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021701-CM.DWG
LAYOUT NAME - 021707 cm
PLOT DATE : 6/30/2020 8:20 AM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42



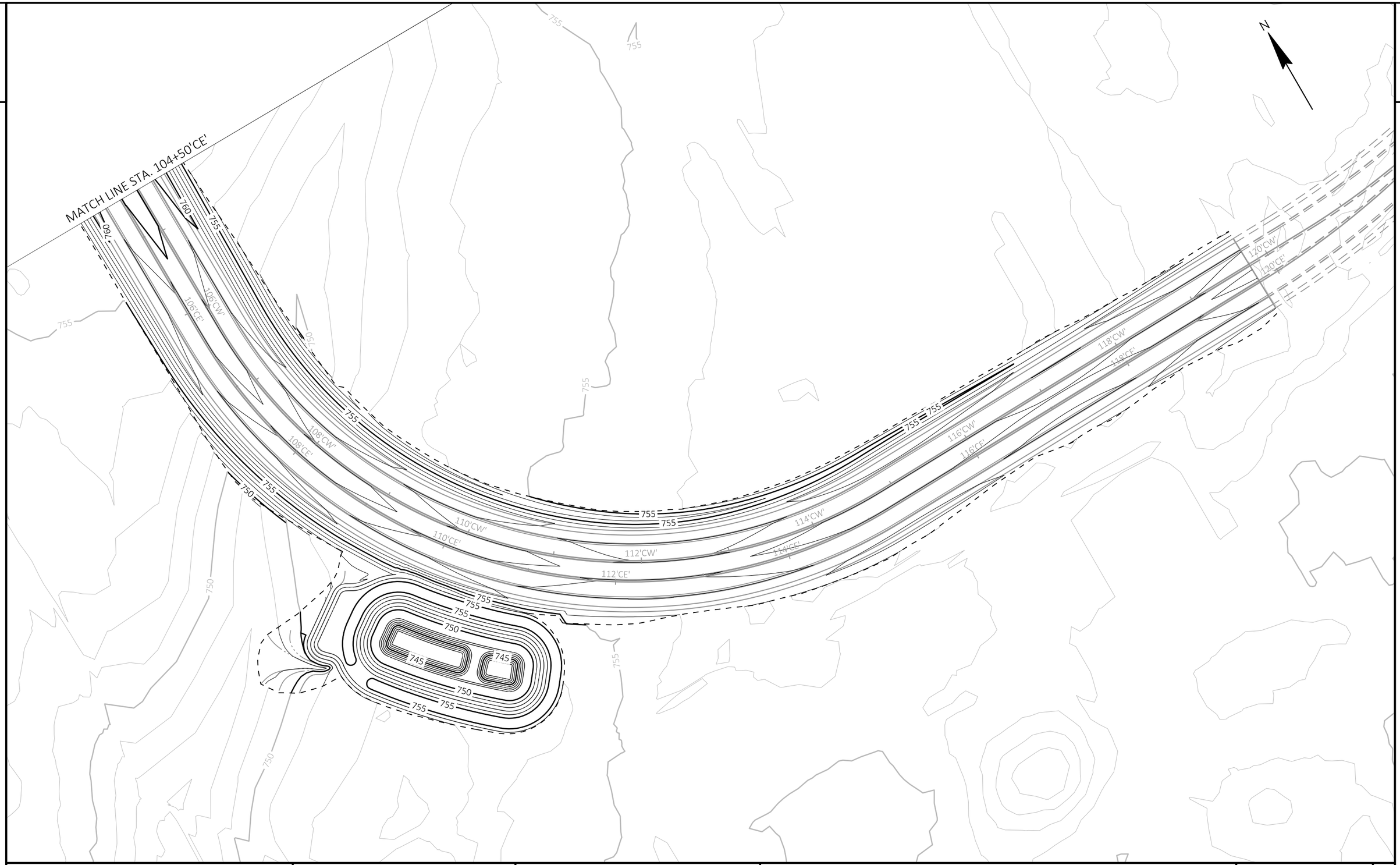
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CONTOUR MAPS STH 29	SHEET 171	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021701-CM.DWG
LAYOUT NAME - 021708 cm

PLOT DATE : 6/30/2020 8:20 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CONTOUR MAPS CENTERLINE DR.	SHEET 172	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021701-CM.DWG
LAYOUT NAME - 021709 cm

PLOT DATE : 6/30/2020 8:20 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

760

755

760

760

760

2

2

N

MATCH LINE STA. 617+00'EGE'

618'EGW'

618'EGE'

620'EGW'

620'EGE'

622'EGW'

622'EGE'

624'EGW'

624'EGE'

626'EGW'

626'EGE'

628'EGW'

628'EGE'

630'EGW'

630'EGE'

760

755

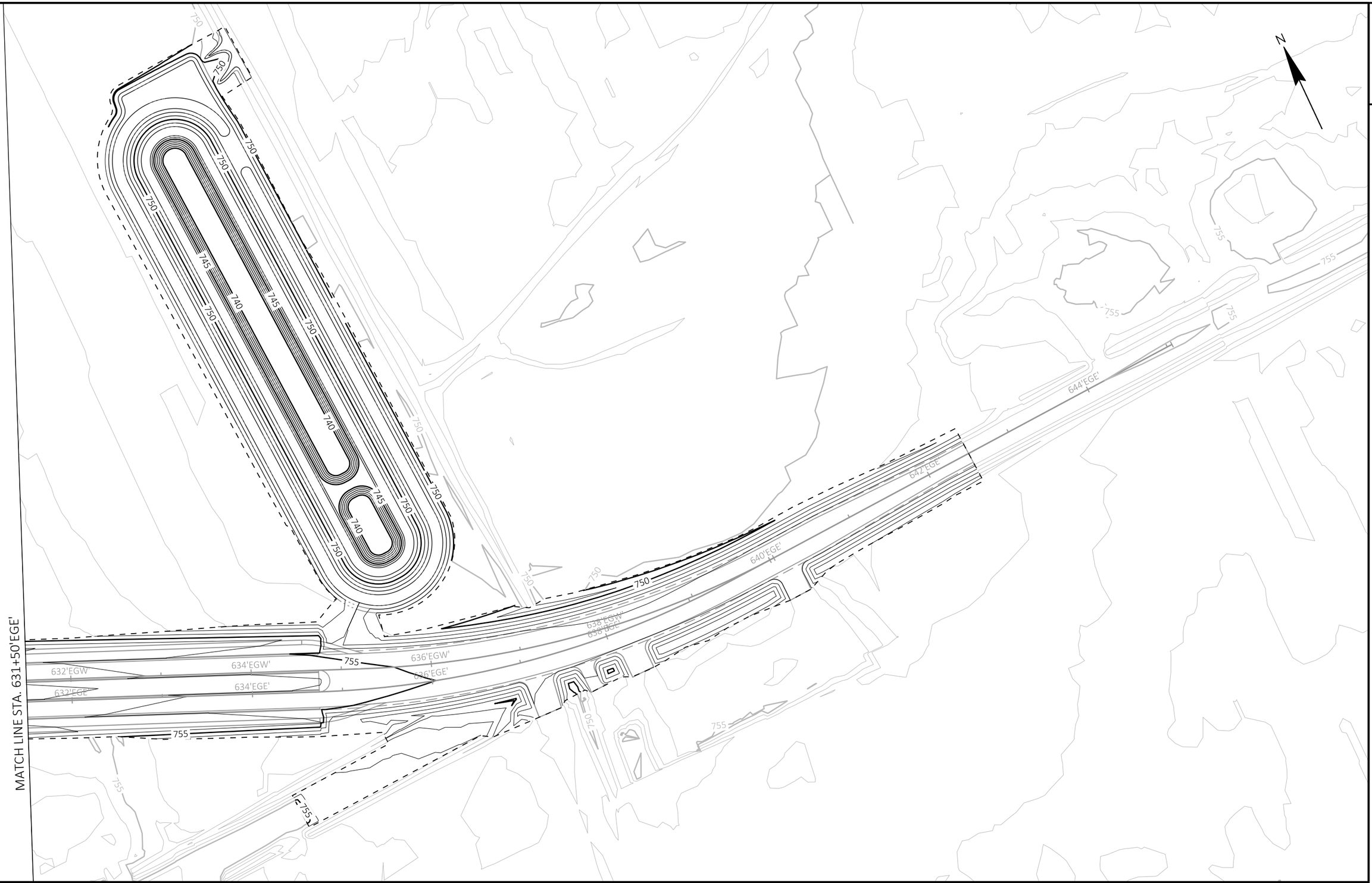
MATCH LINE STA. 631+50'EGE'

MATCH LINE STA. 703+00'CT'

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CONTOUR MAPS EVERGREEN AVE.	SHEET 174 E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021701-CM.DWG
LAYOUT NAME - 021711 cm

PLOT DATE : 6/30/2020 8:20 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CONTOUR MAPS EVERGREEN AVE.	SHEET 175	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021701-CM.DWG
LAYOUT NAME - 021712 cm

PLOT DATE : 6/30/2020 8:20 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE

OLD HWY 29
CONSTRUCTION R/L

MATCH LINE

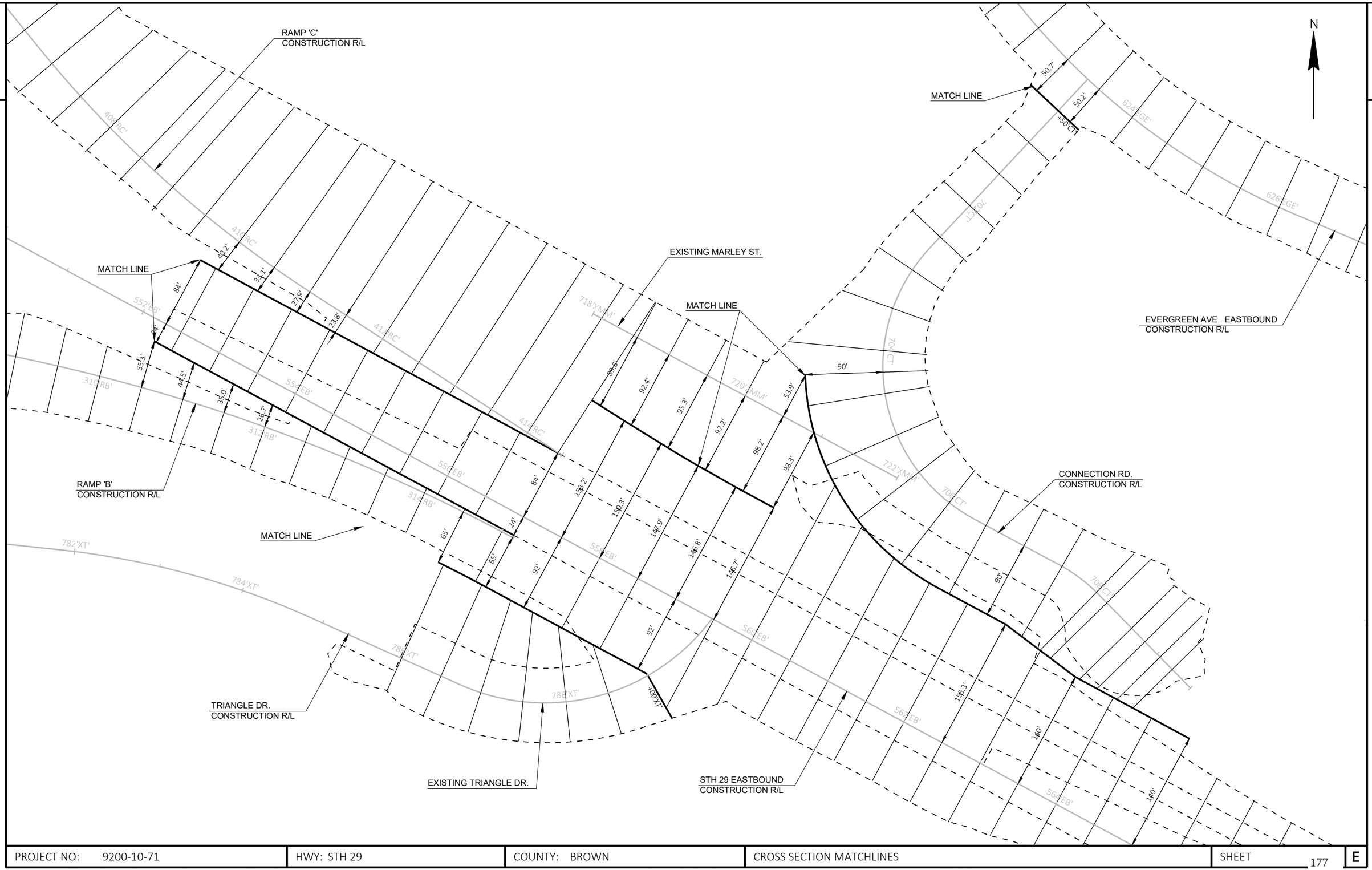
EXISTING OLD HWY 29

MATCH LINE

EXISTING COUNTY LINE RD.

STH 29 EASTBOUND
CONSTRUCTION R/L

124.9'
118.9'
109.5'
100.2'
90.8'
81.4'
80'
70'
70'
60'
80'
87'
87'
64'
64'
60'
+51'XCL'
+17'XCL'
+41'XOH'
714'XOH'
716'XOH'
718'XOH'
720'XOH'
722'XOH'
710'XOH'
708'XOH'
706'XOH'
704'XOH'
712'XCL'
710'XCL'
708'XCL'
706'XCL'
704'XCL'
484'EB'
484'EB'
484'EB



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTION MATCHLINES	SHEET 177	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021801-XM.DWG
LAYOUT NAME - XM2

PLOT DATE : 4/28/2020 7:18 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

N

RAMP 'A'
CONSTRUCTION R/L

STH 29 EASTBOUND
CONSTRUCTION R/L

MATCH LINE

CTH VV/EB RAMP RAB
CONSTRUCTION R/L

CTH VV SOUTHBOUND
CONSTRUCTION R/L

CTH VV/CTH TS RAB
CONSTRUCTION R/L

CTH VV SOUTHBOUND
CONSTRUCTION R/L

MATCH LINE

CTH TS EASTBOUND
CONSTRUCTION R/L

CTH TS WESTBOUND
CONSTRUCTION R/L

CTH VV NORTHBOUND
CONSTRUCTION R/L

MATCH LINE

RAMP 'B'
CONSTRUCTION R/L

CTH VV POND

EXISTING TRIANGLE DR.

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTION MATCHLINES	SHEET 178	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021801-XM.DWG
LAYOUT NAME - XM3

PLOT DATE : 4/28/2020 7:18 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

RAMP 'D'
CONSTRUCTION R/L

MATCH LINE

MARLEY ST. SOUTHBOUND
CONSTRUCTION R/L

MARLEY ST. NORTHBOUND
CONSTRUCTION R/L

MATCH LINE

MARLEY ST. NORTHBOUND
CONSTRUCTION R/L

MATCH LINE

EVERGREEN AVE. EASTBOUND
CONSTRUCTION R/L

MARLEY ST. DITCH

STH 29 EASTBOUND
CONSTRUCTION R/L

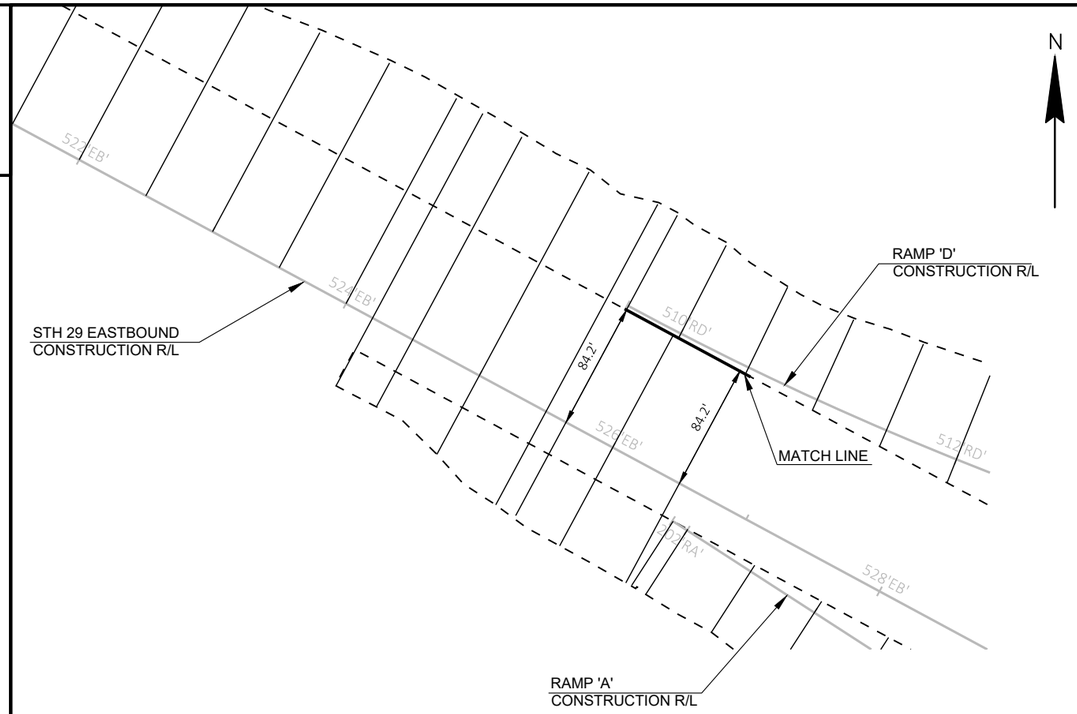
RAMP 'C'
CONSTRUCTION R/L

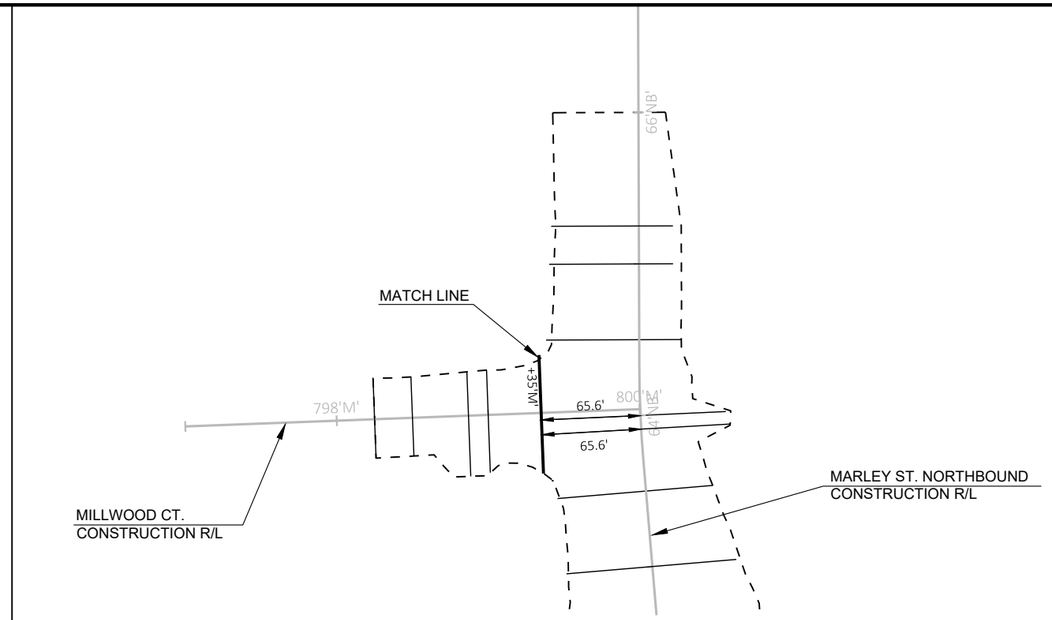
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTION MATCHLINES	SHEET 179	E

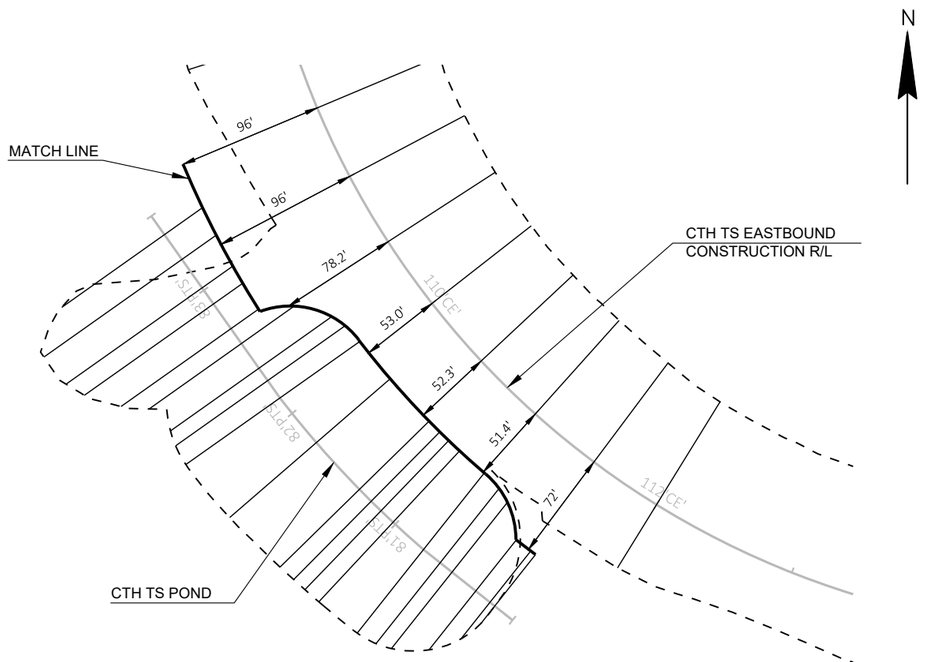
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\021801-XM.DWG
LAYOUT NAME - XM4

PLOT DATE : 4/28/2020 7:18 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42






N
MATCH LINE
96'
96'
78.2'
53.0'
52.3'
51.4'
72'
511'CE'
511'CE'
511'CE

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE C REINFORCED W/ EROSION MAT CLASS I, TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- R — ROCK BAGS
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- RIP RAP MEDIUM
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- ASPH — ASPHALTIC FLUME
- TP — TRACKING PAD

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

N

MATCH LINE STA. 712+00'XCL'

CTH U/COUNTY LINE RD.

LIMITS OF WETLANDS

EXISTING R/W

LIMITS OF WETLANDS

EXISTING R/W

R

475'WB'

STH 29/32 WESTBOUND

480'WB'

485'WB'

475'EB'

STH 29/32 EASTBOUND

480'EB'

485'EB'

LIMITS OF WETLANDS

MATCH LINE STA. 488+00'EB'

EXISTING R/W

18"CMP

115'OH'

TP

110'OH'

EXISTING R/W

OLD STH 29 ROAD

LIMITS OF WETLANDS

LIMITS OF WETLANDS

42"X60"CMP

LIMITS OF WETLANDS

LIMITS OF WETLANDS

LIMITS OF WETLANDS

18"CMP

EXISTING R/W

2

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	EROSION CONTROL	SHEET 181	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022001-ECEB.DWG
LAYOUT NAME - 022001 ec

PLOT DATE : 6/30/2020 9:03 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA. 488+00'EB'

EXISTING R/W

24"RCP

STH 29/32 WESTBOUND

490'WB'

495'WB'

500'WB'

490'EB'

495'EB'

500'EB'

STH 29/32 EASTBOUND

EXISTING R/W

24"CMP

LIMITS OF WETLANDS

LIMITS OF WETLANDS

LIMITS OF WETLANDS

LIMITS OF WETLANDS

LIMITS OF WETLANDS

18"CMP

CTH UIN COUNTY LINE RD.

12"CMP

EXISTING R/W

EXISTING R/W

TP

TP

18"CMP

18"CMP

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE C REINFORCED W/ EROSION MAT CLASS I, TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- R — ROCK BAGS
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- RIP RAP MEDIUM
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- ASPH — ASPHALTIC FLUME
- TP — TRACKING PAD

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	EROSION CONTROL	SHEET 182	E

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE C REINFORCED W/ EROSION MAT CLASS I, TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- R — ROCK BAGS
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- RIP RAP MEDIUM
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- ASPH — ASPHALTIC FLUME
- TP — TRACKING PAD

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

N

MATCH LINE STA. 510+00'NB'

LIMITS OF WETLANDS

LIMITS OF WETLANDS

24"CMCP

EXISTING R/W

STH 29/32 WESTBOUND

WB'

515'WB'

520'WB'

525

INL.

'EB'

515'EB'

520'EB'

525

STH 29/32 EASTBOUND

18" RCCP

R

48"

18"RCP

EXISTING R/W

LIMITS OF WETLANDS

MATCH LINE STA. 525+00'EB'

2

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	EROSION CONTROL	SHEET 183	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022001-ECEB.DWG
LAYOUT NAME - 022003 ec

PLOT DATE : 6/30/2020 9:03 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE C REINFORCED W/ EROSION MAT CLASS I, TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- R — ROCK BAGS
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- RIP RAP MEDIUM
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- ASPH — ASPHALTIC FLUME
- TP — TRACKING PAD

MATCH LINE STA. 525+00'EB'

MATCH LINE STA. 538+00'EB'
(SEE EROSION CONTROL FOR CTH VV/MARLEY STREET

LIMITS OF WETLANDS

LIMITS OF WETLANDS

LIMITS OF WETLANDS

LIMITS OF WETLANDS

510'RD'

515'RD'

520'RD'

NW RAMP

RAMP D

STH 29/32 WESTBOUND

530'WB'

535'WB'

530'EB'

535'EB'

STH 29/32 EASTBOUND

205'RA'

210'RA'

RAMP A

EXISTING R/W

R

R

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	EROSION CONTROL	SHEET 184	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022001-ECEB.DWG
LAYOUT NAME - 022004 ec

PLOT DATE : 6/30/2020 9:03 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

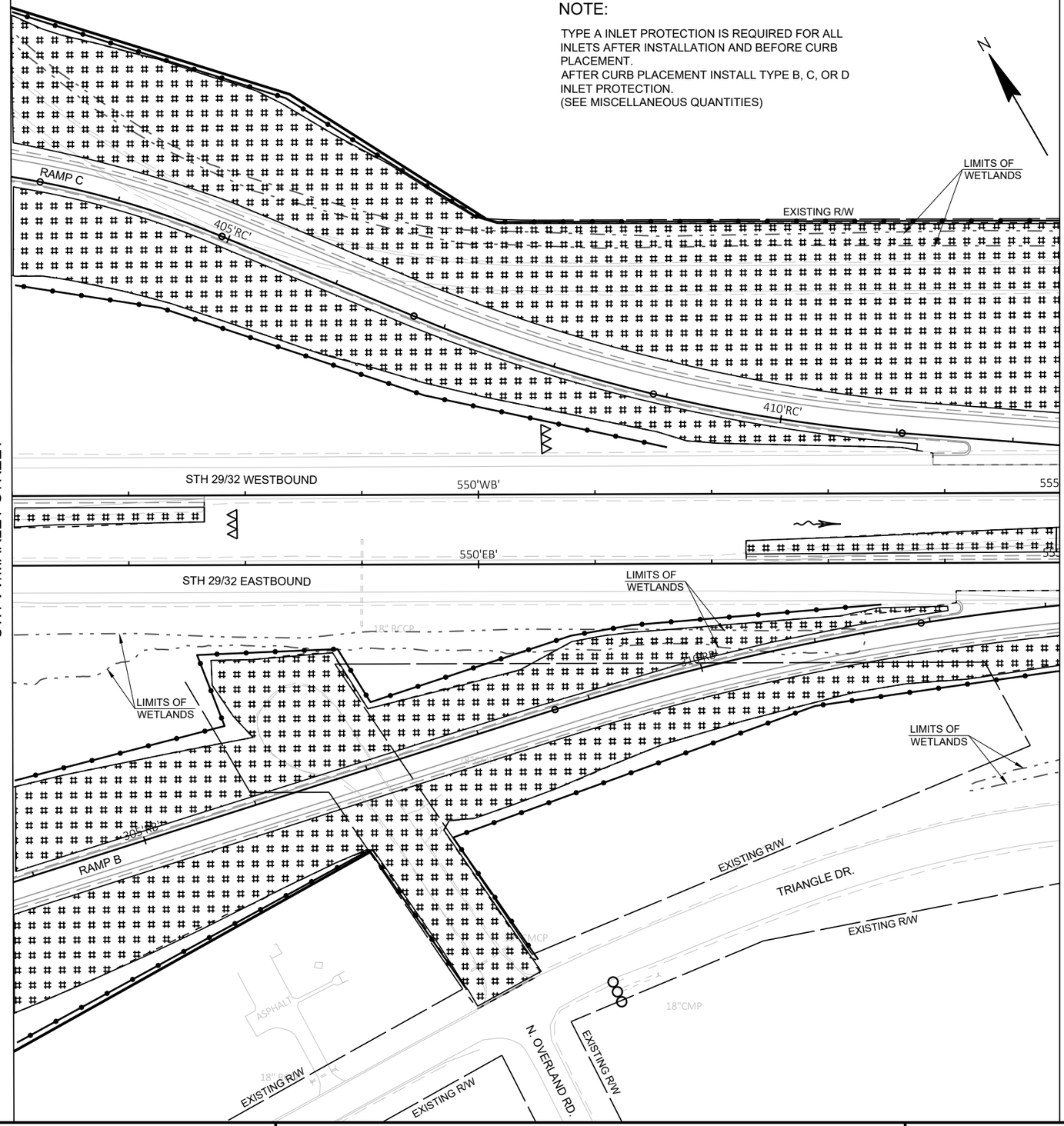
LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE C REINFORCED W/ EROSION MAT CLASS I, TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- ROCK BAGS
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- RIP RAP MEDIUM
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- ASPHALTIC FLUME
- TRACKING PAD

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

MATCH LINE STA. 546+00'EB'
(SEE EROSION CONTROL FOR CTH VV/MARLEY STREET



MATCH LINE STA. 555+00'EB'

2

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	EROSION CONTROL	SHEET 185	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022001-ECEB.DWG
LAYOUT NAME - 022005 ec

PLOT DATE : 6/30/2020 9:03 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

MATCH LINE STA. 702+00'CT'
(SEE EROSION CONTROL FOR EVERGREEN AVE.)

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

N

LIMITS OF WETLANDS
EXISTING R/W
MILLTOWN RD.
CONNECTION RD.
RAMP C
RAMP B
STH 29/32 WESTBOUND
STH 29/32 EASTBOUND
TRIANGLE DR.
703'CT'
704'CT'
705'CT'
706'CT'
707'CT'
708'CT'
709'CT'
555'WB'
560'WB'
565'WB'
565'EB'
315'RB'
18" CMCP
24" CMCP
18" RCP
18" RCCP
ASPHALT

MATCH LINE STA. 555+00'EB'

MATCH LINE STA. 570+00'EB'

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE C REINFORCED W/ EROSION MAT CLASS I, TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- R — ROCK BAGS
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- RIP RAP MEDIUM
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- ASPH — ASPHALTIC FLUME
- TP — TRACKING PAD

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	EROSION CONTROL	SHEET 186	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022001-ECEB.DWG
LAYOUT NAME - 022006 ec
PLOT DATE : 6/30/2020 9:04 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

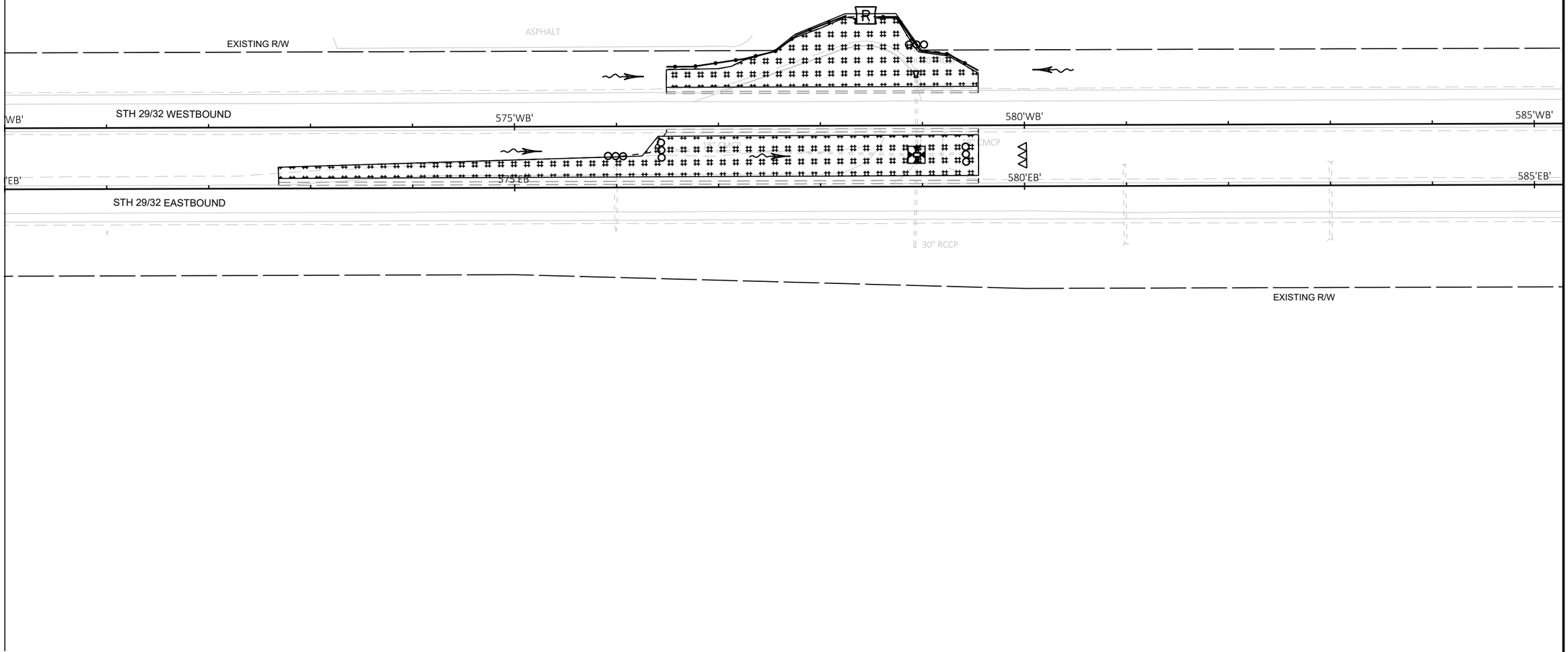
LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE C REINFORCED W/ EROSION MAT CLASS I, TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- R — ROCK BAGS
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- RIP RAP MEDIUM
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- ASPH — ASPHALTIC FLUME
- TP — TRACKING PAD

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

N



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	EROSION CONTROL	SHEET 187	E

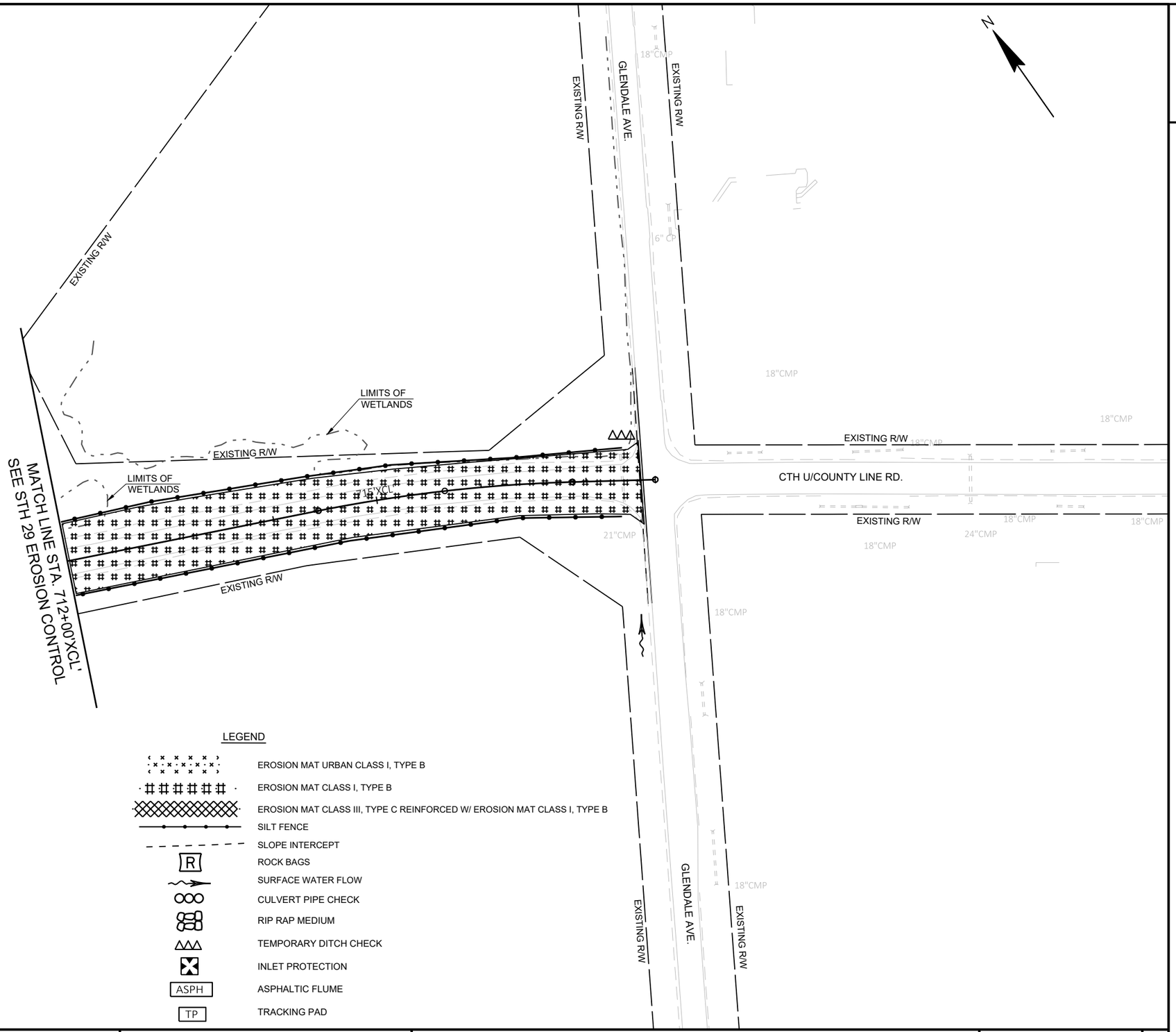
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022001-ECEB.DWG
LAYOUT NAME - 022007 ec

PLOT DATE : 6/30/2020 9:04 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)



LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE C REINFORCED W/ EROSION MAT CLASS I, TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- R — ROCK BAGS
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- RIP RAP MEDIUM
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- ASPH — ASPHALTIC FLUME
- TP — TRACKING PAD

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	EROSION CONTROL-CTH U	SHEET 188	E

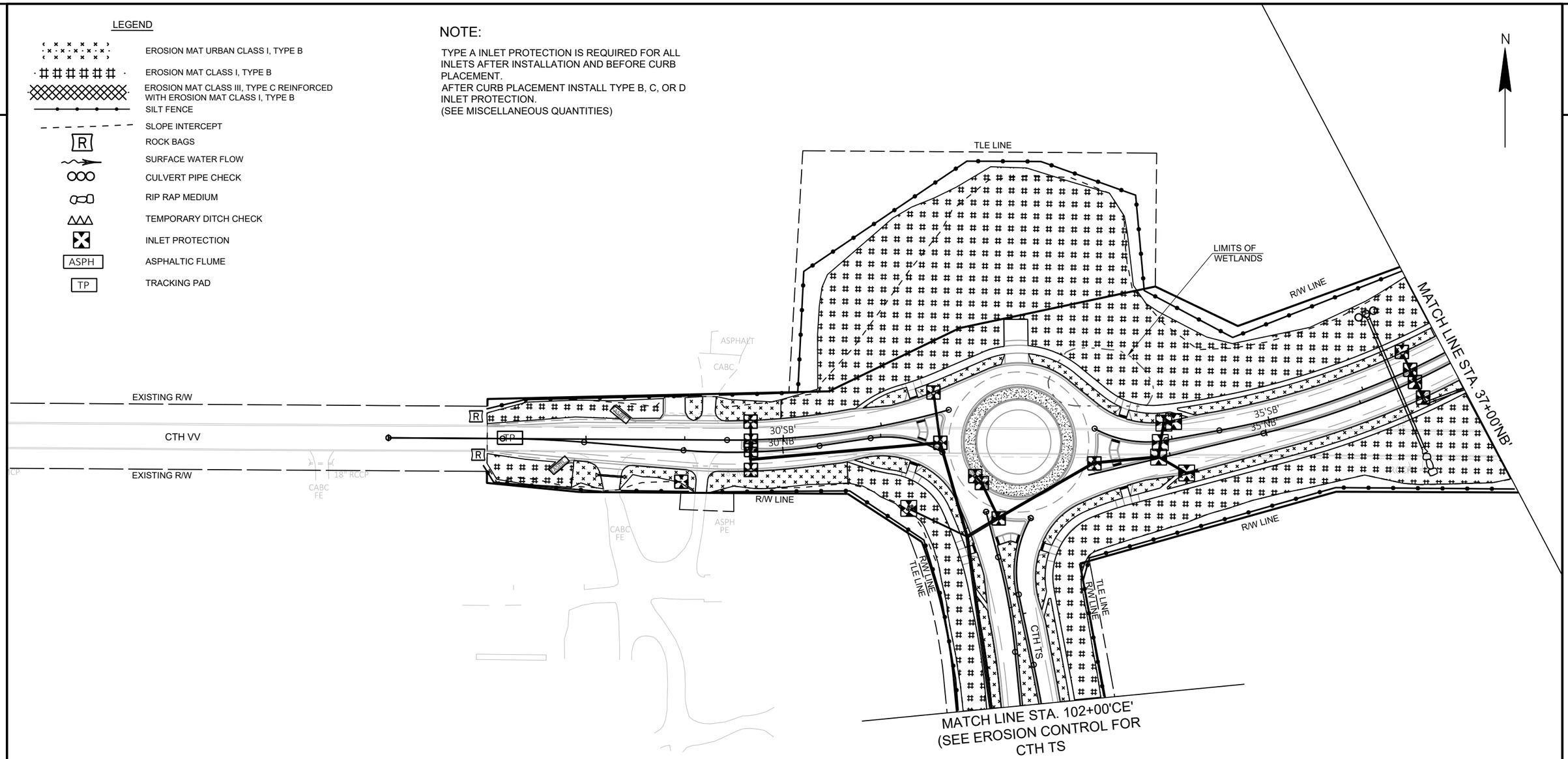
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022002-ECU.DWG
LAYOUT NAME - 022008 ec
PLOT DATE : 6/30/2020 9:04 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE C REINFORCED WITH EROSION MAT CLASS I, TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- R — ROCK BAGS
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- RIP RAP MEDIUM
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- ASPH — ASPHALTIC FLUME
- TP — TRACKING PAD

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)



2

LEGEND

EROSION MAT URBAN CLASS I, TYPE B
EROSION MAT CLASS I, TYPE B
EROSION MAT CLASS III, TYPE C REINFORCED WITH EROSION MAT CLASS I, TYPE B
SILT FENCE
SLOPE INTERCEPT
ROCK BAGS
SURFACE WATER FLOW
CULVERT PIPE CHECK
RIP RAP MEDIUM
TEMPORARY DITCH CHECK
INLET PROTECTION
ASPHALTIC FLUME
TRACKING PAD

MATCH LINE STA. 538+00'EB'
(SEE EROSION CONTROL FOR
STH 29

MATCH LINE STA. 37+00'NB'

MATCH LINE STA. 52+00'NB'

R/W LINE
RAMP A
LIMITS OF WETLANDS
STH 29/32 EASTBOUND
STH 29/32 WESTBOUND
RAMP D
CTH VV
40'SB'
40'NB'
45'SB'
45'NB'
MARLEY ST.
18" RCCP
54'EB'
54'WB'
24" CMCP
TRIANGLE DR.
RAMP B
RAMP C
54.5'EB'
54.5'WB'

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

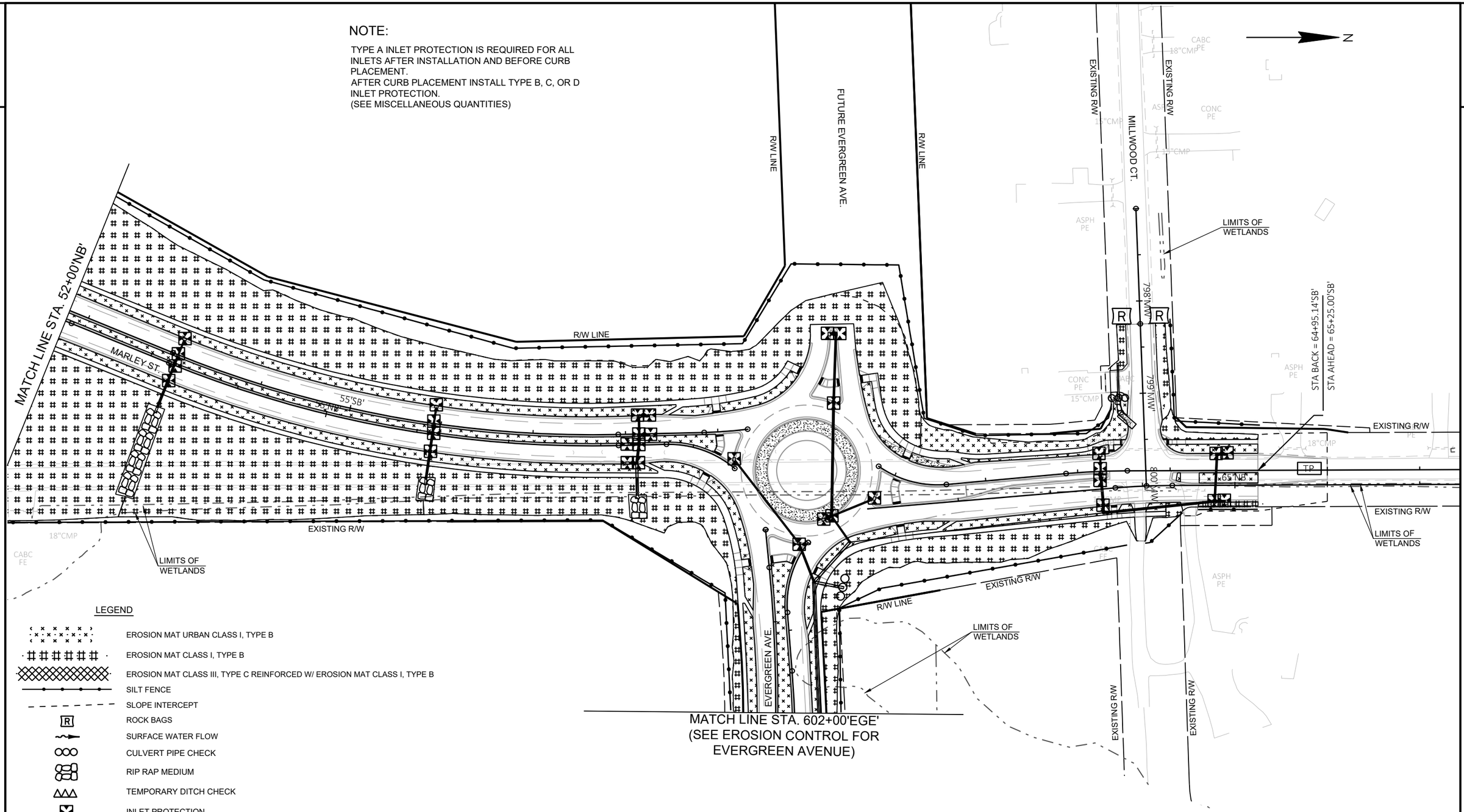
MATCH LINE STA. 546+00'EB'
(SEE EROSION CONTROL FOR
STH 29)

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	EROSION CONTROL	SHEET 190	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022003-ECVV.DWG
LAYOUT NAME - 022010 ec
PLOT DATE : 6/30/2020 9:05 AM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)



LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE C REINFORCED W/ EROSION MAT CLASS I, TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- ROCK BAGS
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- RIP RAP MEDIUM
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- ASPHALTIC FLUME
- TRACKING PAD

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	EROSION CONTROL	SHEET 191	E

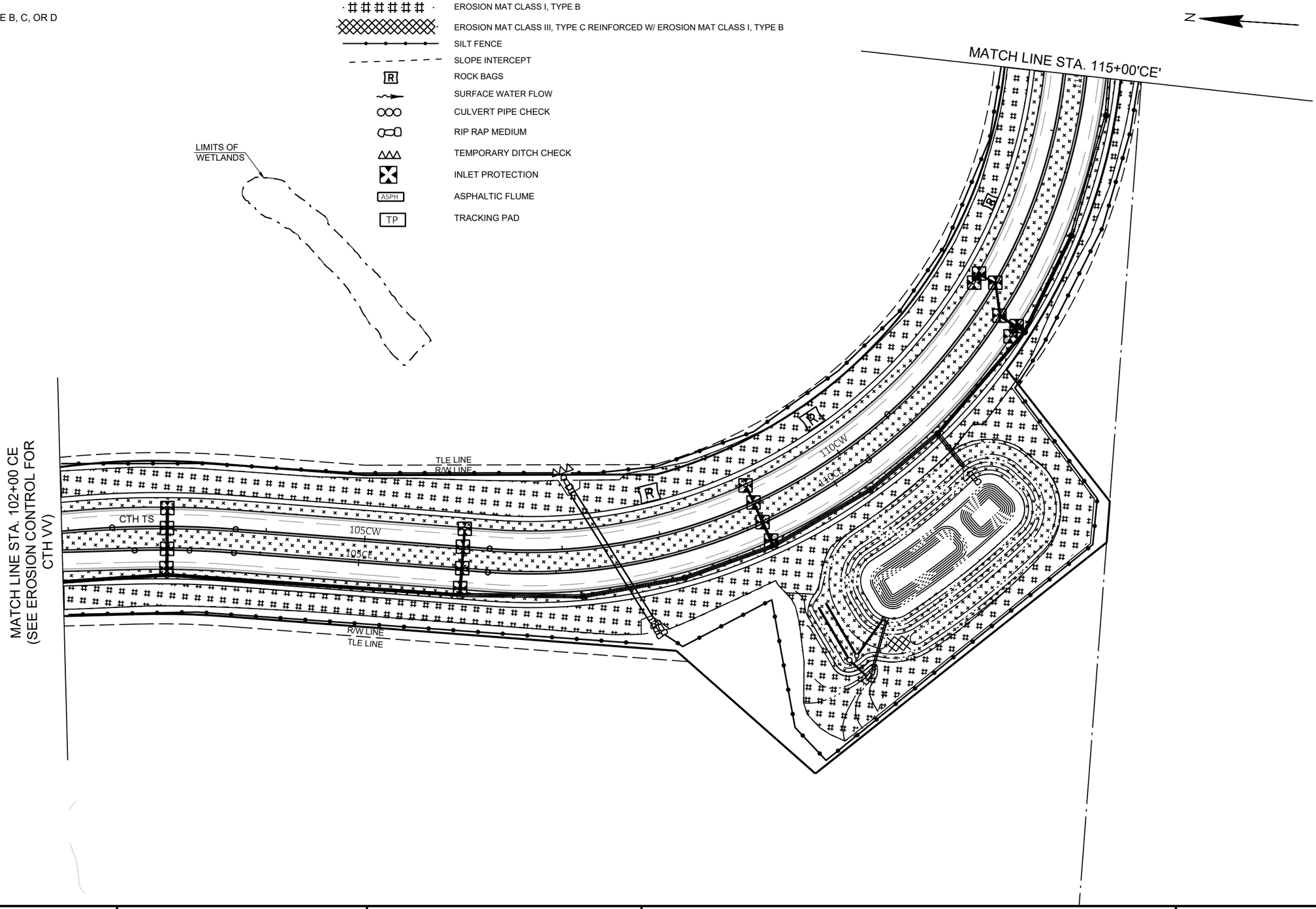
2

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE C REINFORCED W/ EROSION MAT CLASS I, TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- ROCK BAGS
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- RIP RAP MEDIUM
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- ASPHALTIC FLUME
- TRACKING PAD



2

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	EROSION CONTROL	SHEET 192	E

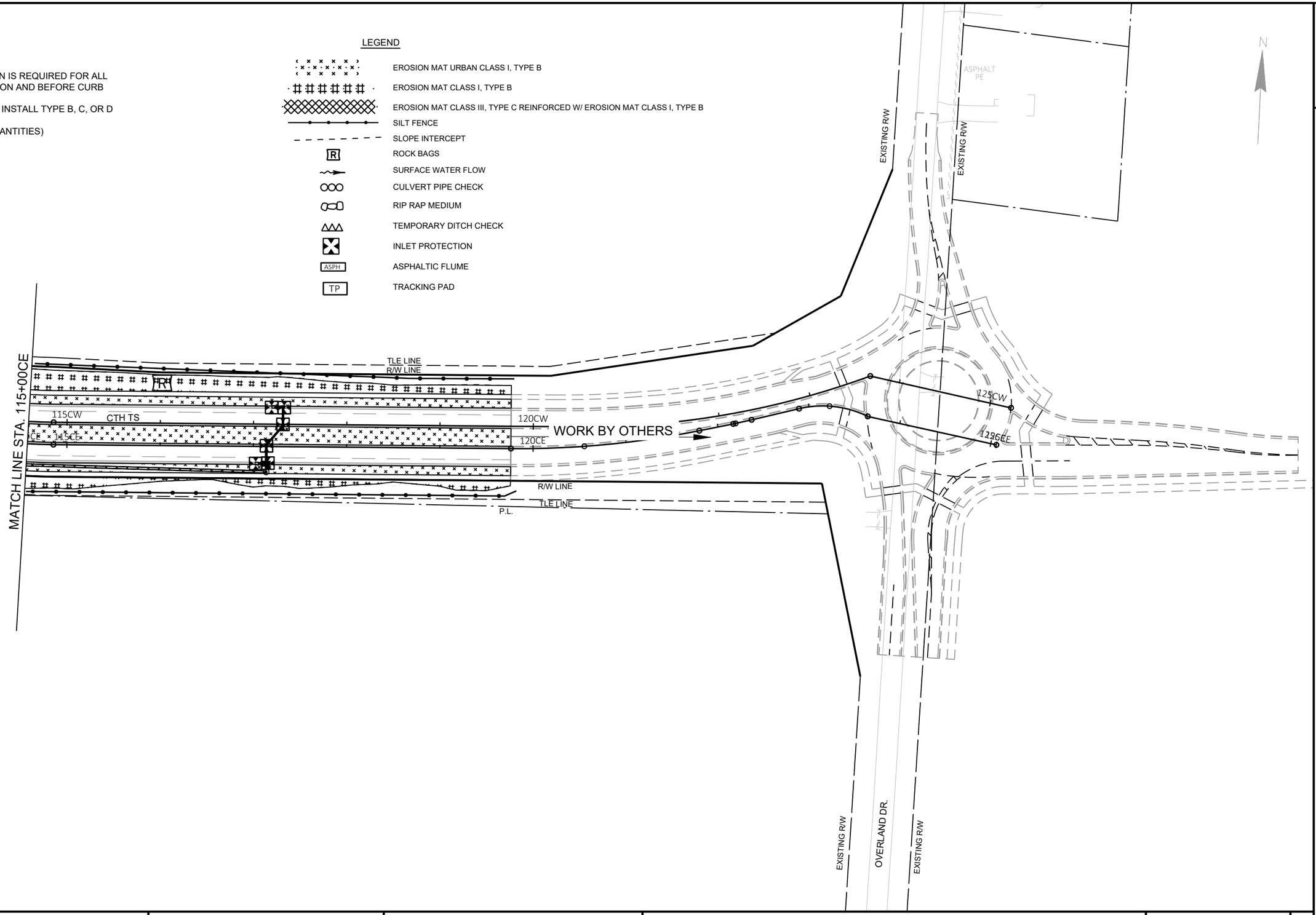
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022004-ECCN.DWG
LAYOUT NAME - 022012 ec
PLOT DATE : 6/30/2020 9:06 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE C REINFORCED W/ EROSION MAT CLASS I, TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- ROCK BAGS
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- RIP RAP MEDIUM
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- ASPHALTIC FLUME
- TRACKING PAD



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	EROSION CONTROL	SHEET 193	E

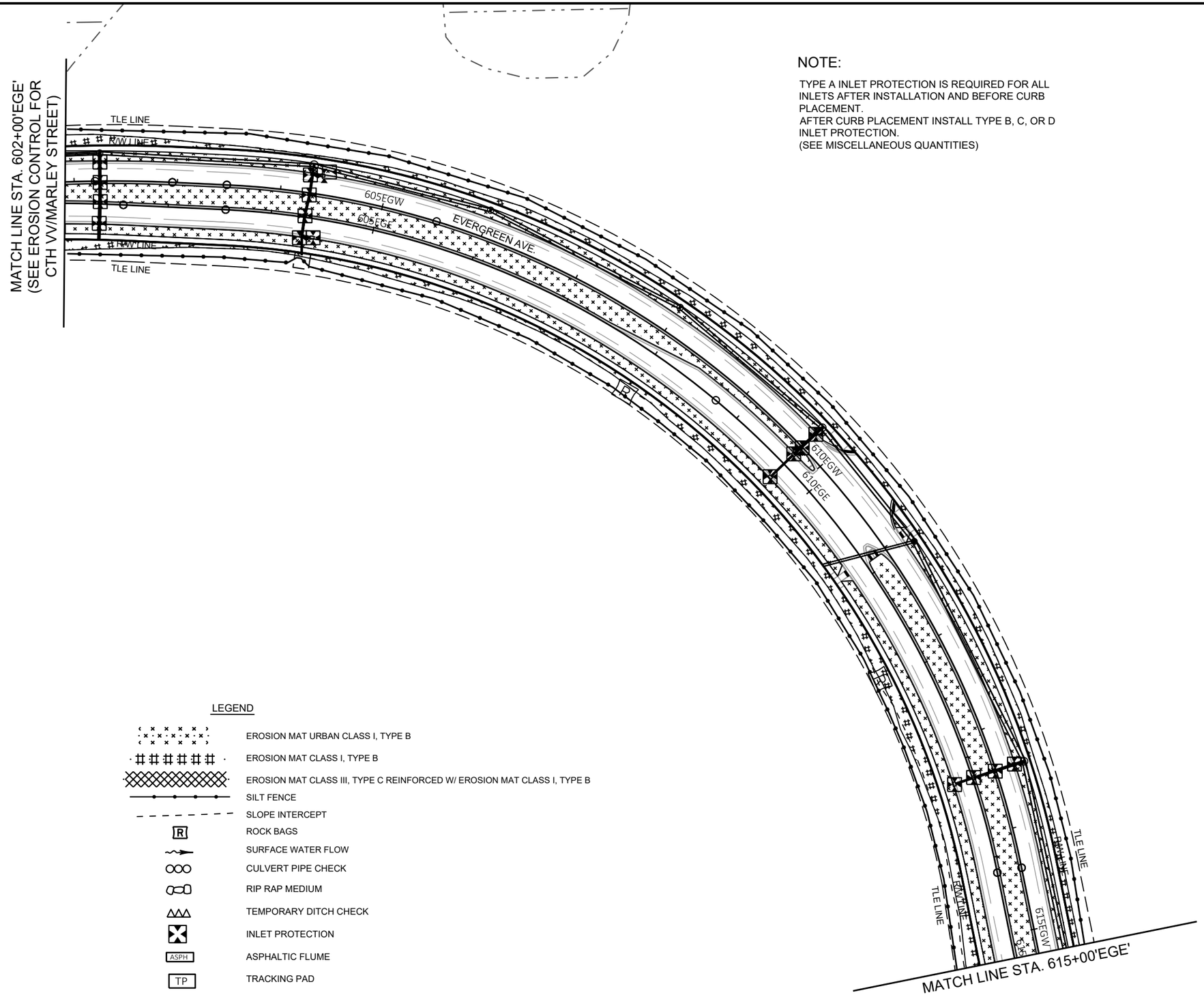
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022004-ECCN.DWG
LAYOUT NAME - 022013 ec
PLOT DATE : 6/30/2020 9:06 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

N



LEGEND

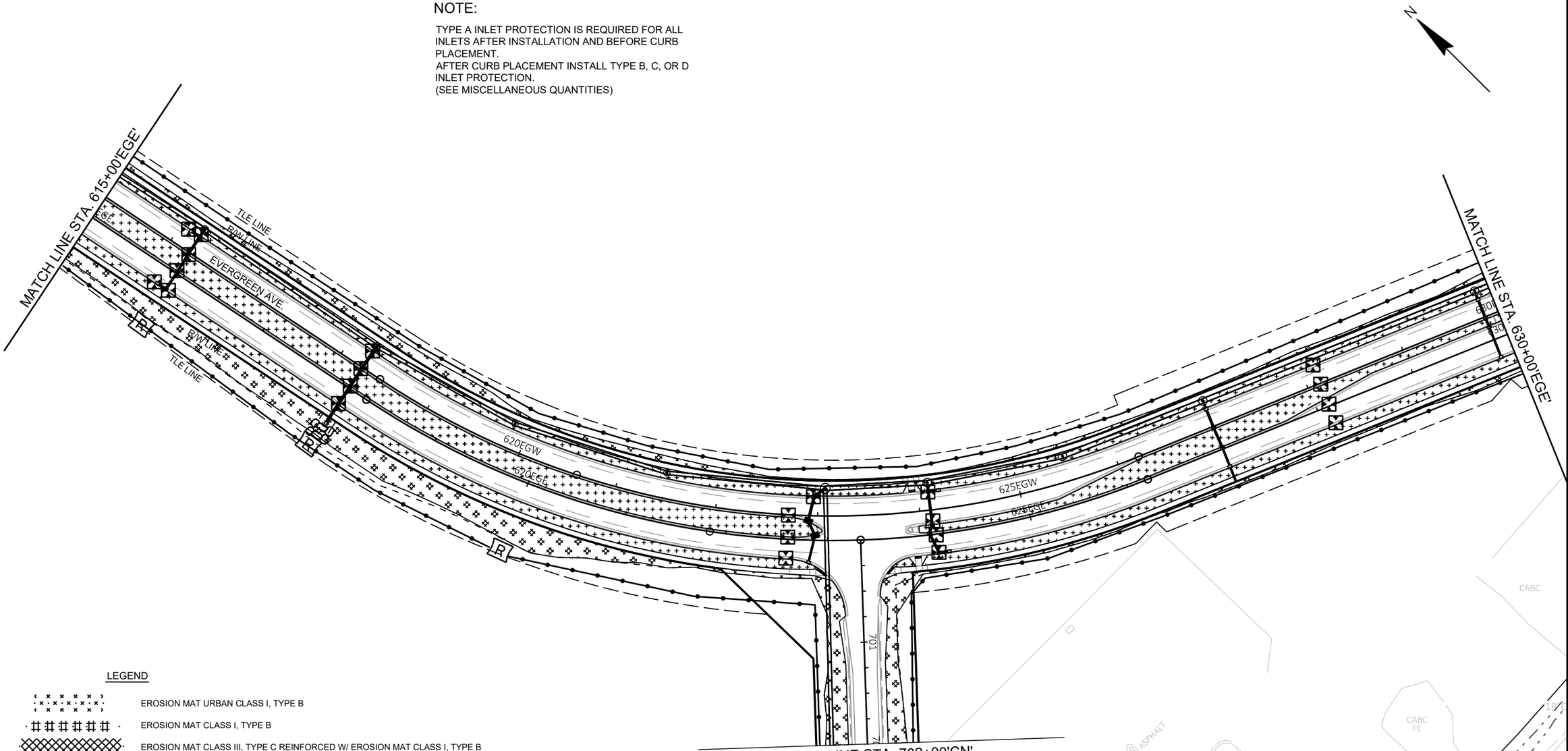
- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE C REINFORCED W/ EROSION MAT CLASS I, TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- ROCK BAGS
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- RIP RAP MEDIUM
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- ASPHALTIC FLUME
- TRACKING PAD

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	EROSION CONTROL	SHEET 194	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022005-ECEG.DWG
LAYOUT NAME - 022014 ec
PLOT DATE : 6/30/2020 9:06 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)



LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE C REINFORCED W/ EROSION MAT CLASS I, TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- R — ROCK BAGS
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- RIP RAP MEDIUM
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- ASPH — ASPHALTIC FLUME
- TP — TRACKING PAD

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	EROSION CONTROL	SHEET 195 E

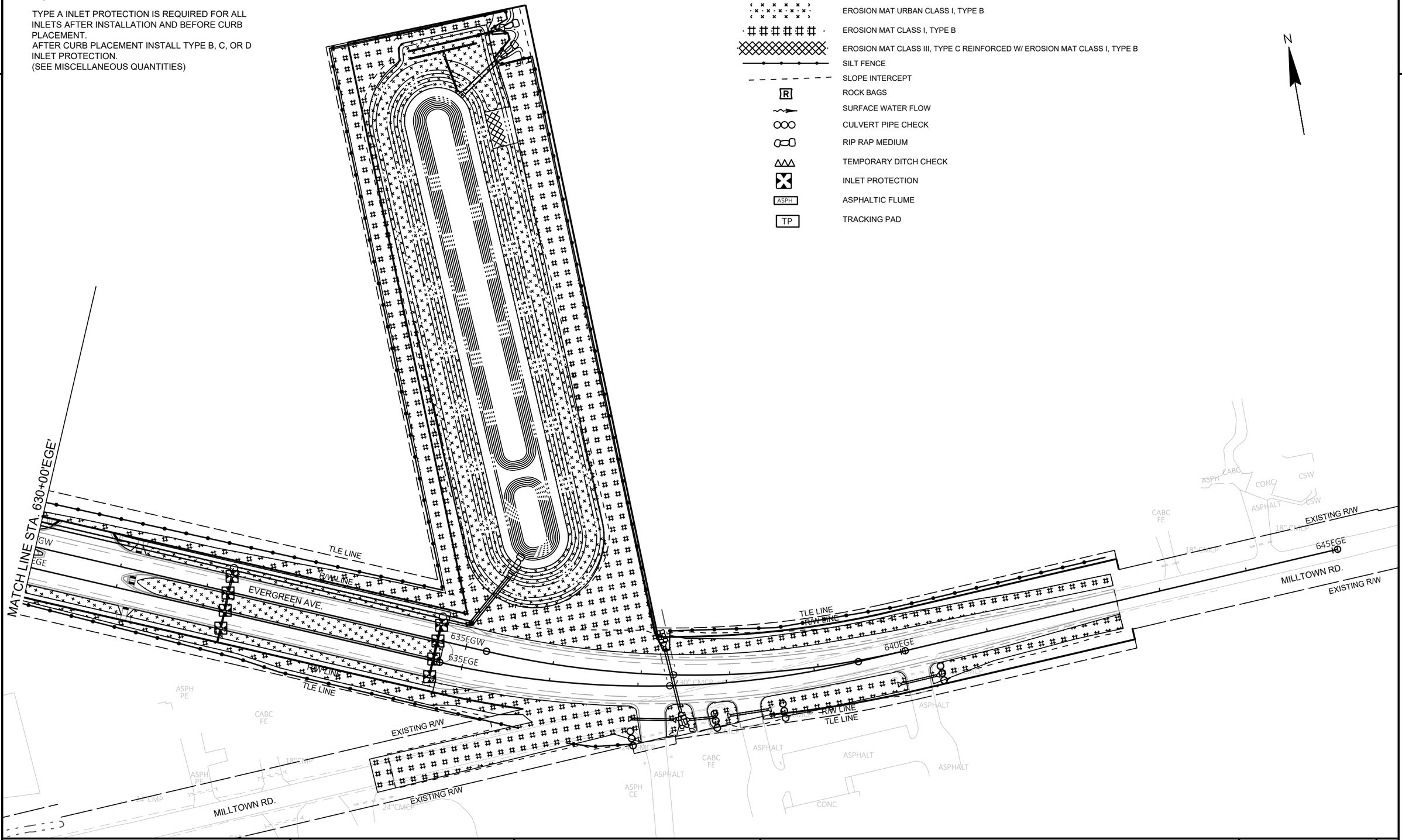
NOTE:

TYPE A INLET PROTECTION IS REQUIRED FOR ALL INLETS AFTER INSTALLATION AND BEFORE CURB PLACEMENT.
AFTER CURB PLACEMENT INSTALL TYPE B, C, OR D INLET PROTECTION.
(SEE MISCELLANEOUS QUANTITIES)

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE C REINFORCED W/ EROSION MAT CLASS I, TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- R — ROCK BAGS
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- RIP RAP MEDIUM
- TEMPORARY DITCH CHECK
- INLET PROTECTION
- ASPH — ASPHALTIC FLUME
- TP — TRACKING PAD

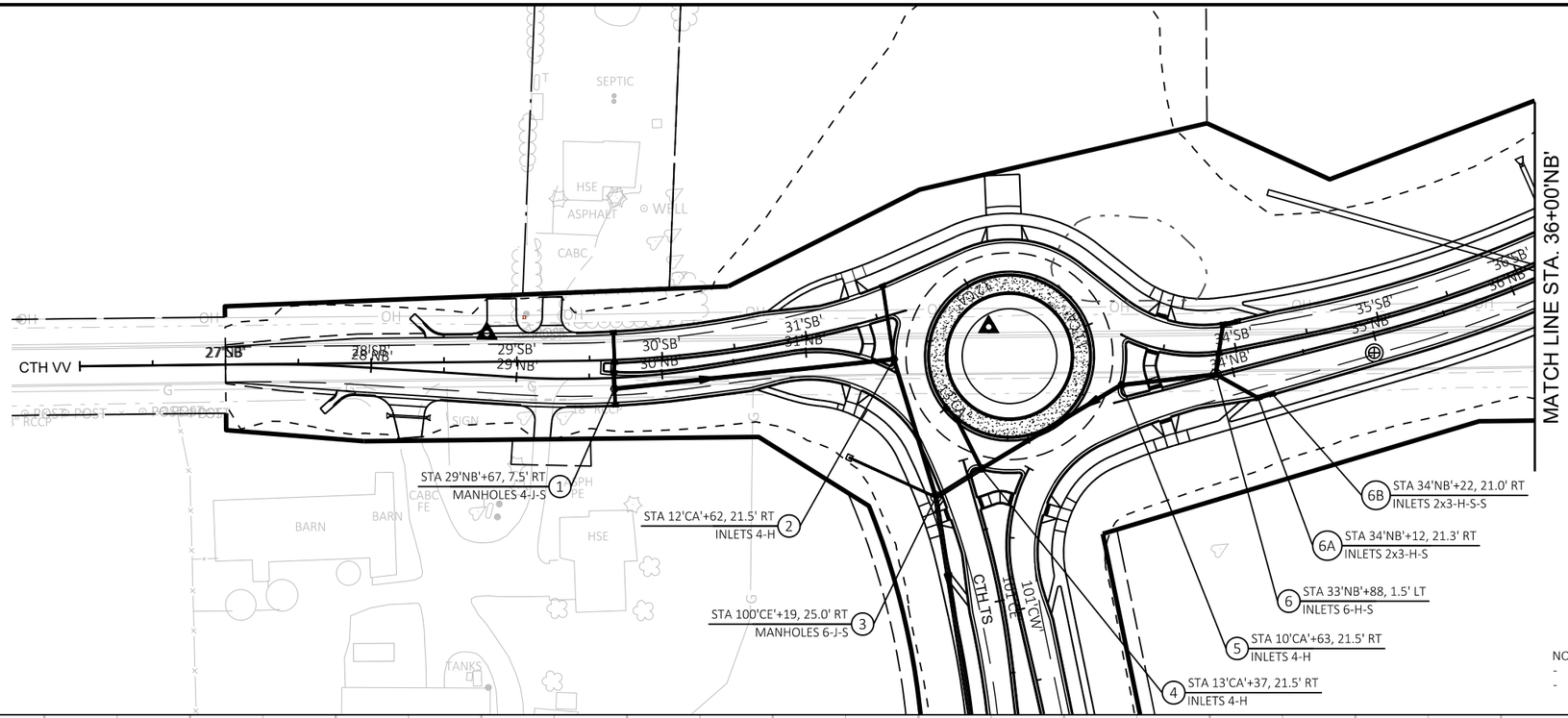
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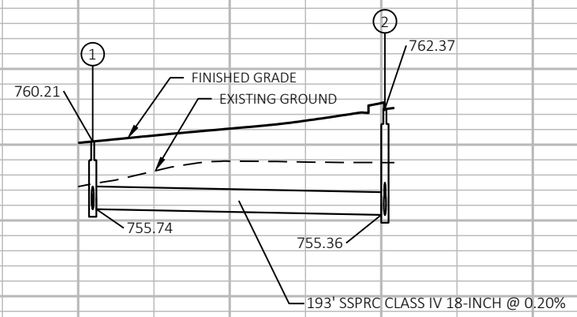
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	EROSION CONTROL	SHEET 196	E

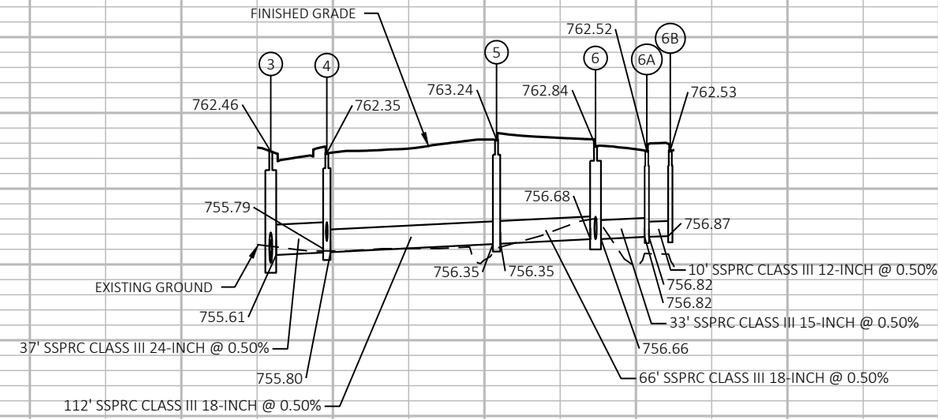
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022005-ECEG.DWG
LAYOUT NAME - 022016 ec
PLOT DATE : 6/30/2020 9:06 AM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

2



NOTES:
- OFFSET DISTANCE TO CENTER OF MANHOLES, CENTER OF INLETS, AND END OF PIPE AT ENDWALLS
- RIM ELEVATION TO CENTER OF MANHOLES, FLANGE AT INLETS, AND PIPE INVERT AT ENDWALLS

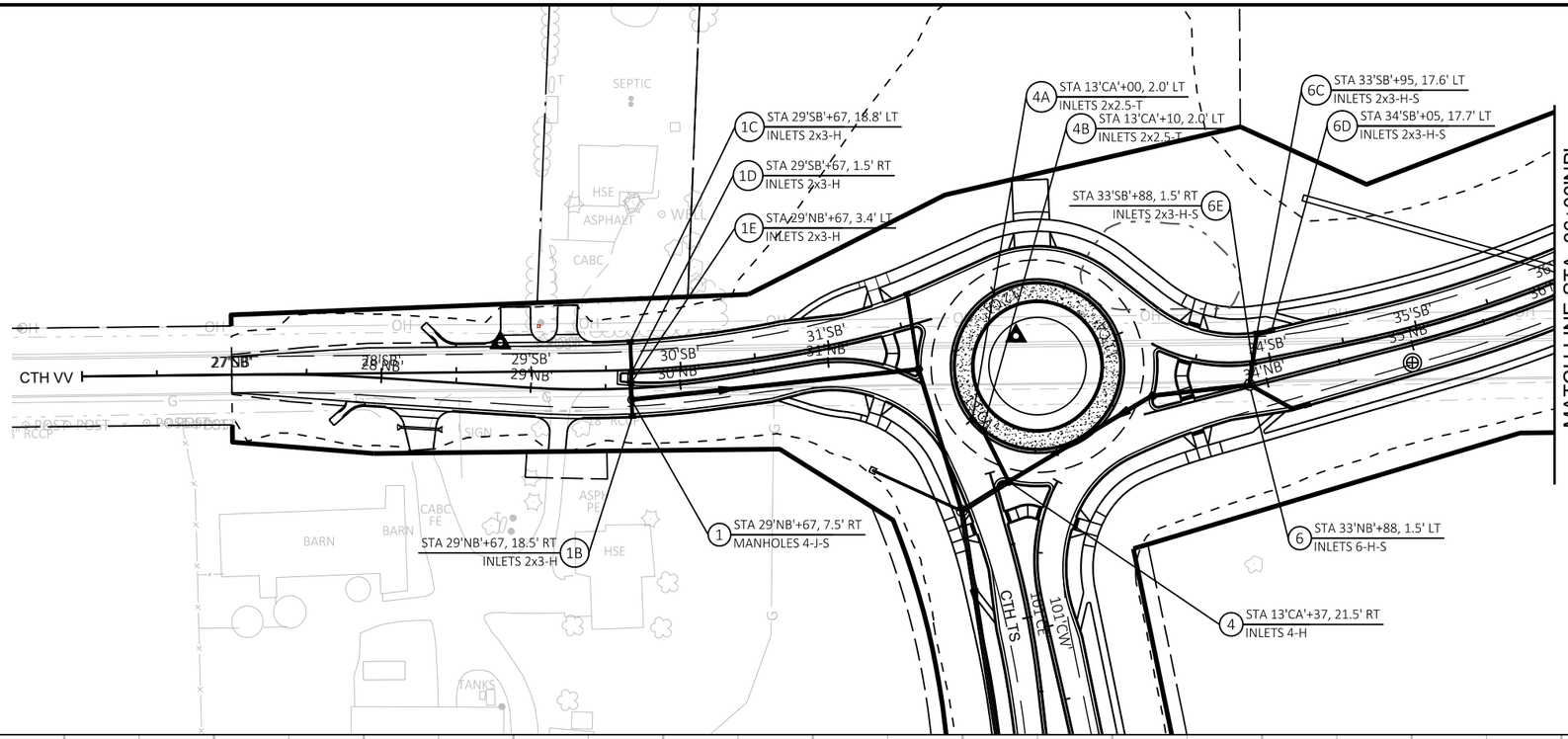




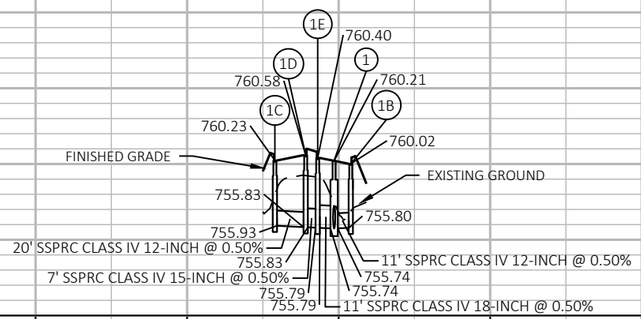
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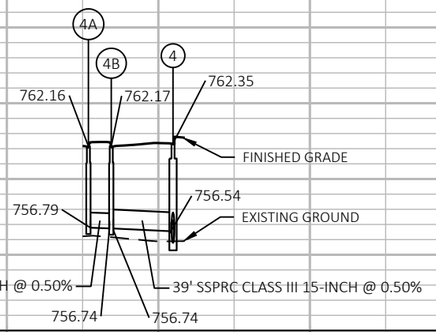
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STORM SEWER	SHEET 197	E

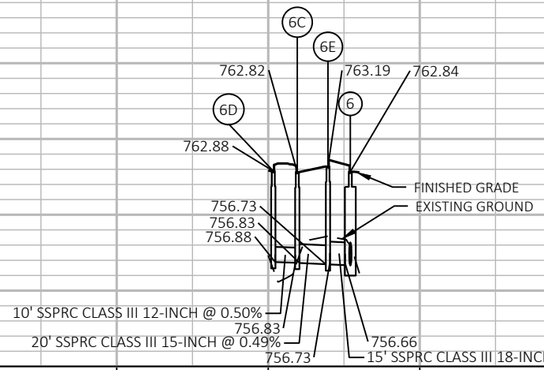
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022501-SSVV.DWG
LAYOUT NAME - 022501
PLOT DATE : 6/30/2020 2:52 PM
PLOT BY : SEIBERT, CHELSEA
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 41



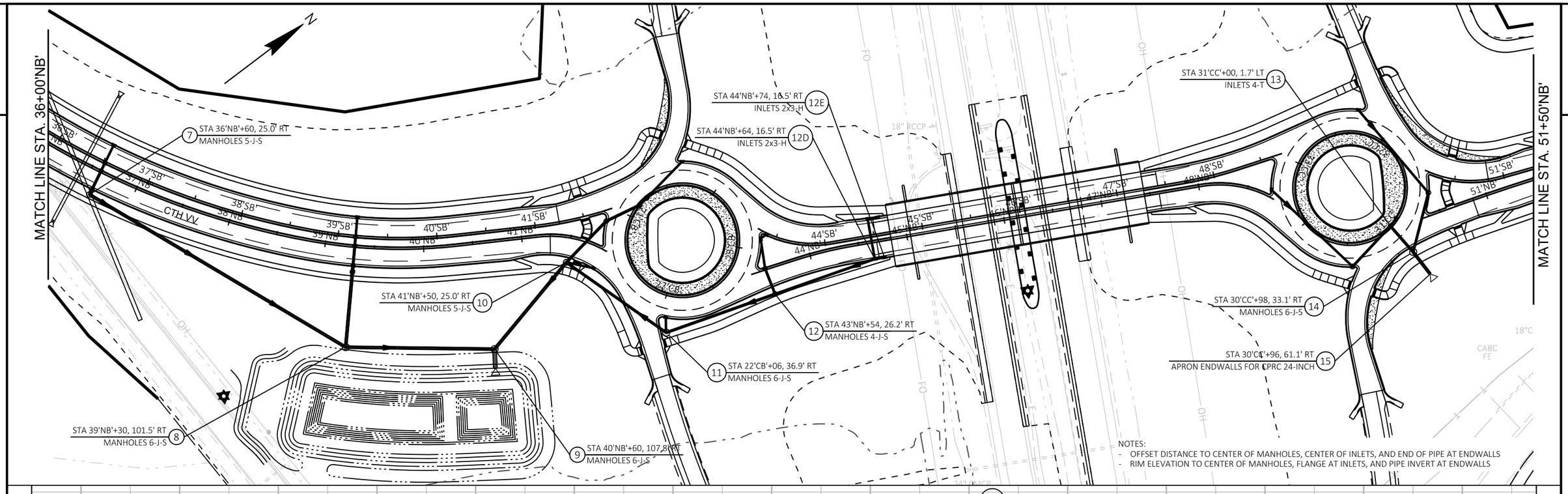
NOTES:
- OFFSET DISTANCE TO CENTER OF MANHOLES, CENTER OF INLETS, AND END OF PIPE AT ENDWALLS
- RIM ELEVATION TO CENTER OF MANHOLES, FLANGE AT INLETS, AND PIPE INVERT AT ENDWALLS

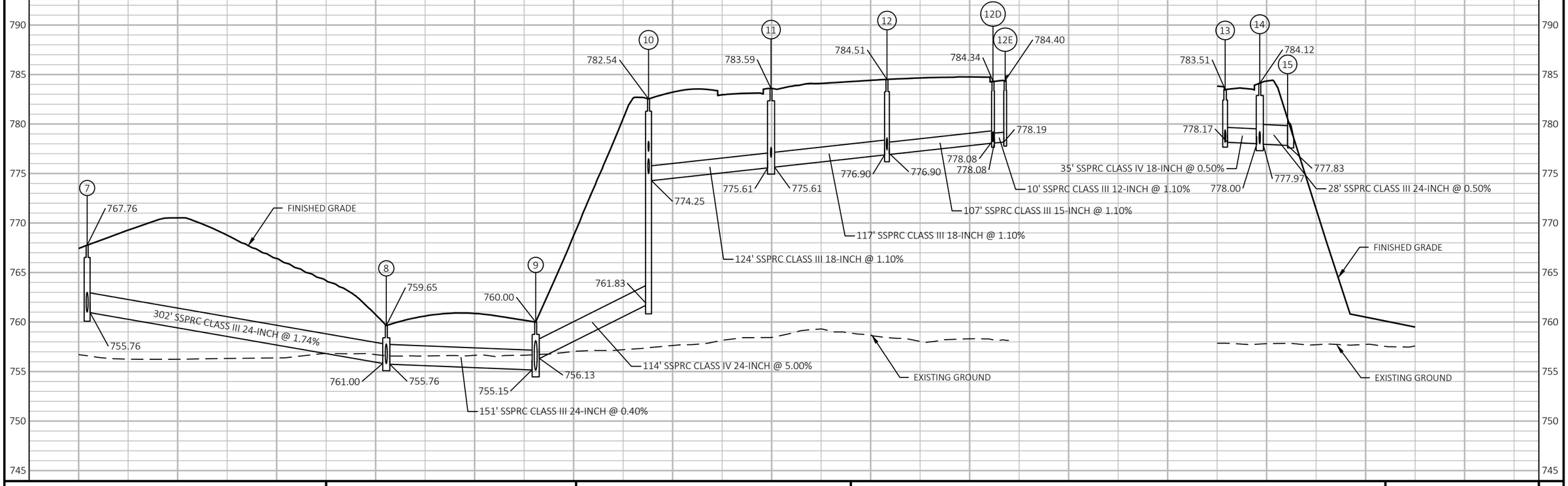






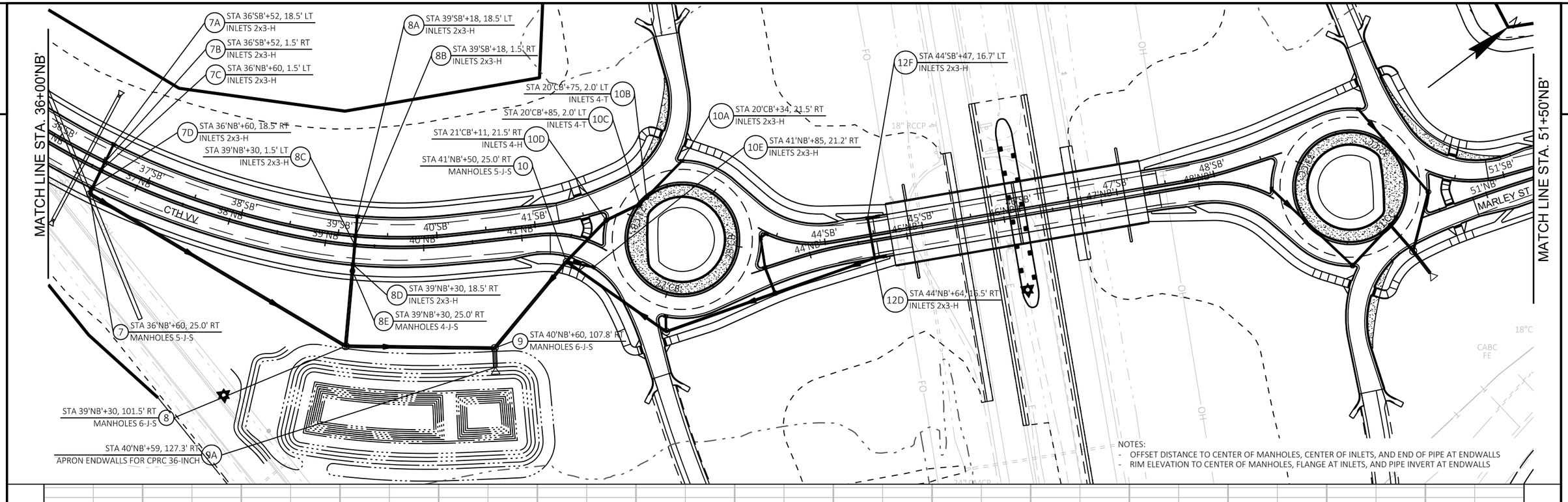
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STORM SEWER	SHEET 198	E

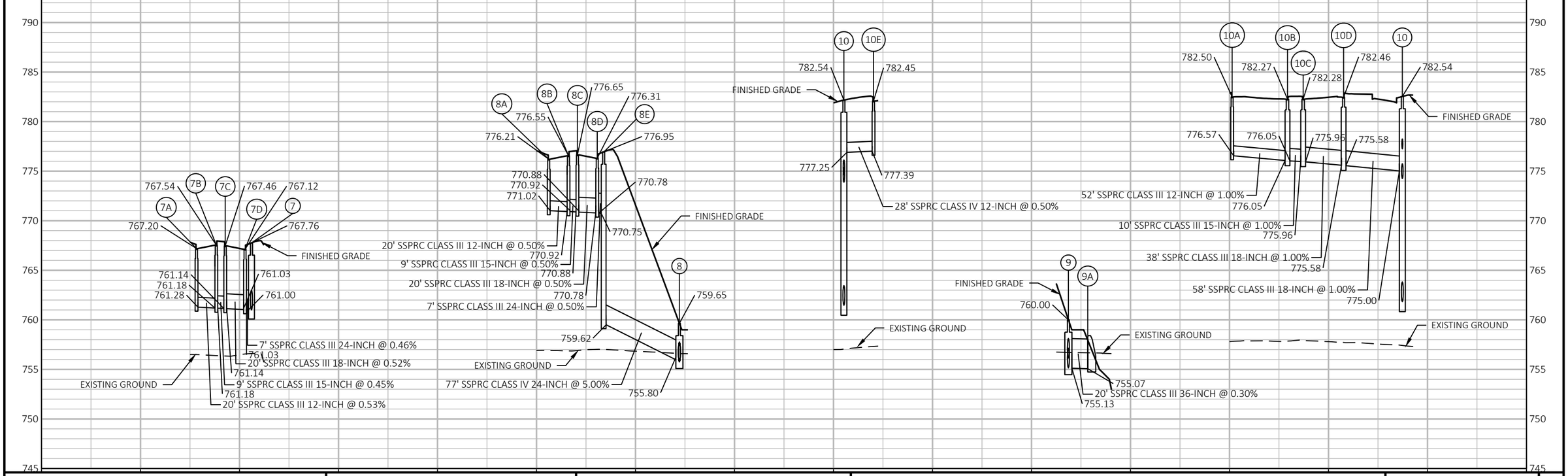




PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STORM SEWER	SHEET 199	E

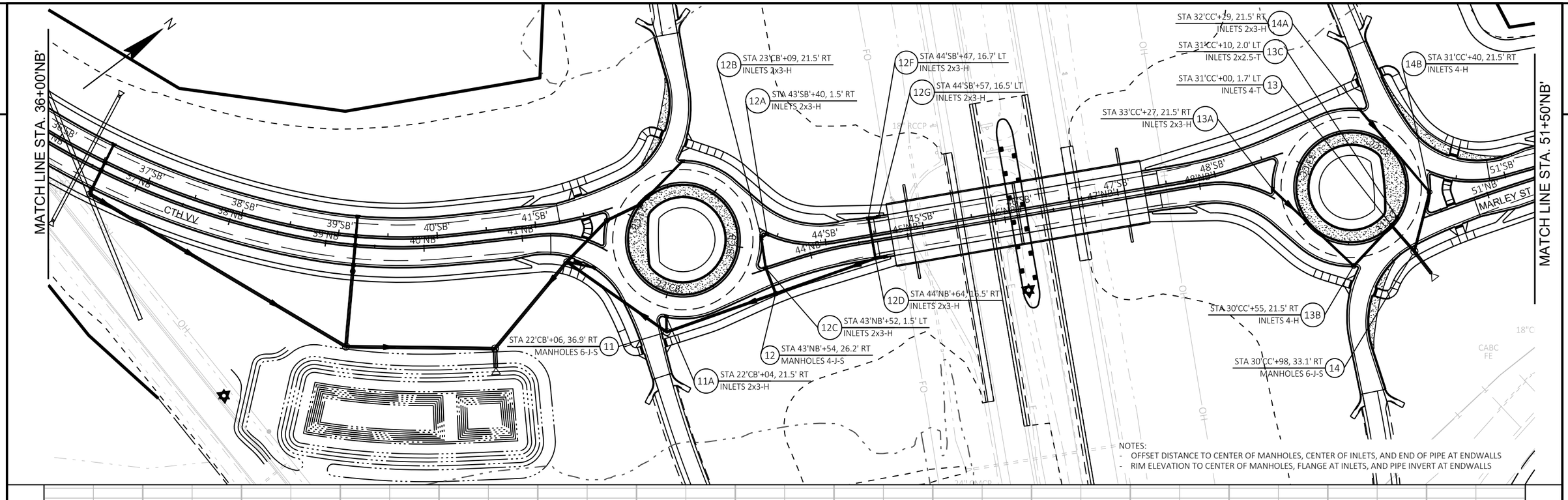
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022501-SSVV.DWG
LAYOUT NAME - 022503
PLOT DATE : 6/30/2020 2:59 PM
PLOT BY : SEIBERT, CHELSEA
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 41





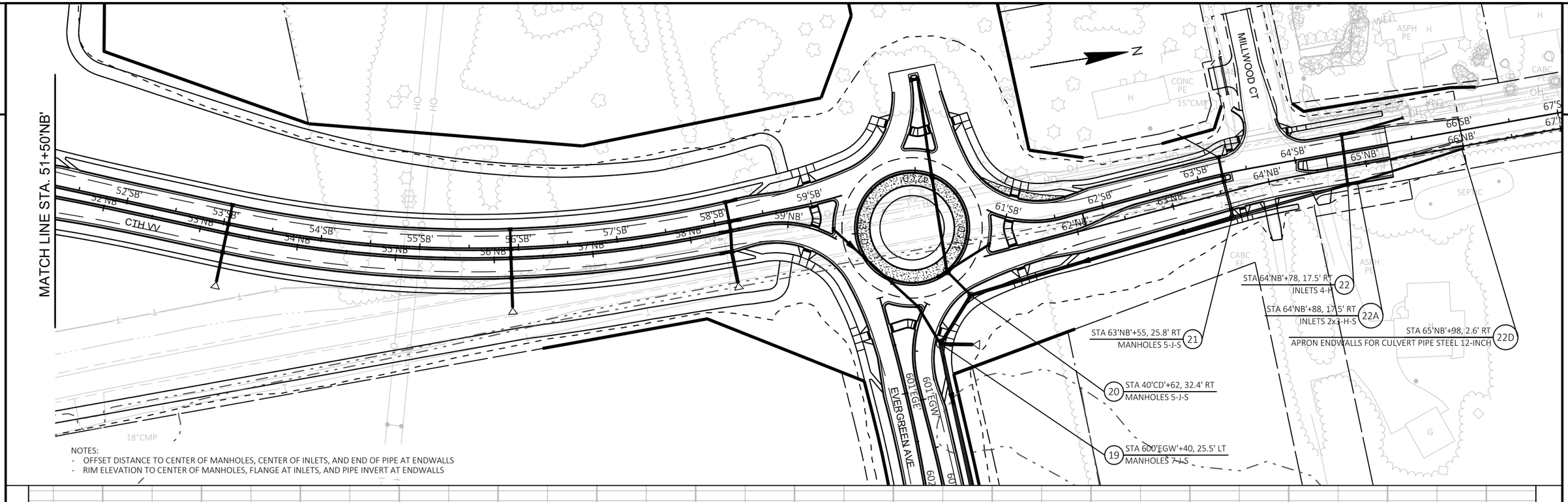
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STORM SEWER	SHEET 200 E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022501-SSVV-LEADS.DWG
LAYOUT NAME - 022504
PLOT DATE : 6/30/2020 3:03 PM
PLOT BY : SEIBERT, CHELSEA
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 41

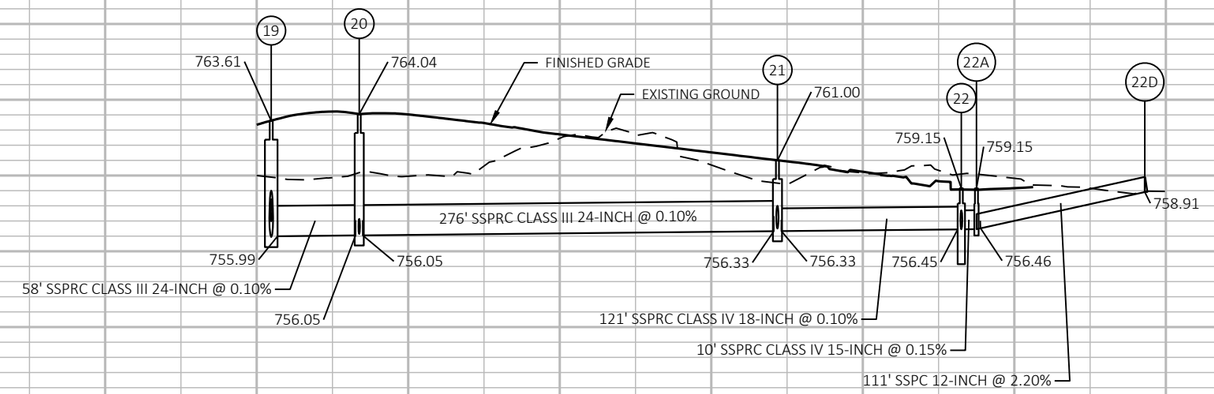


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STORM SEWER	SHEET 201	E

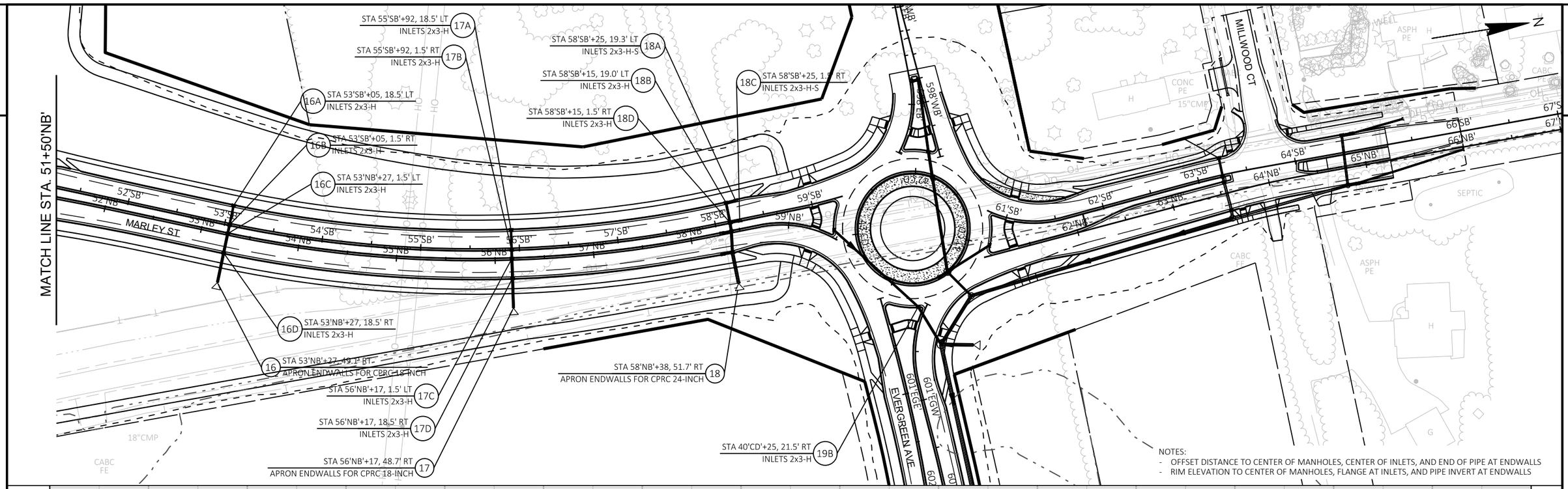
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022501-SSVV-LEADS.DWG
LAYOUT NAME - 022505
PLOT DATE : 6/30/2020 3:04 PM
PLOT BY : SEIBERT, CHELSEA
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 41

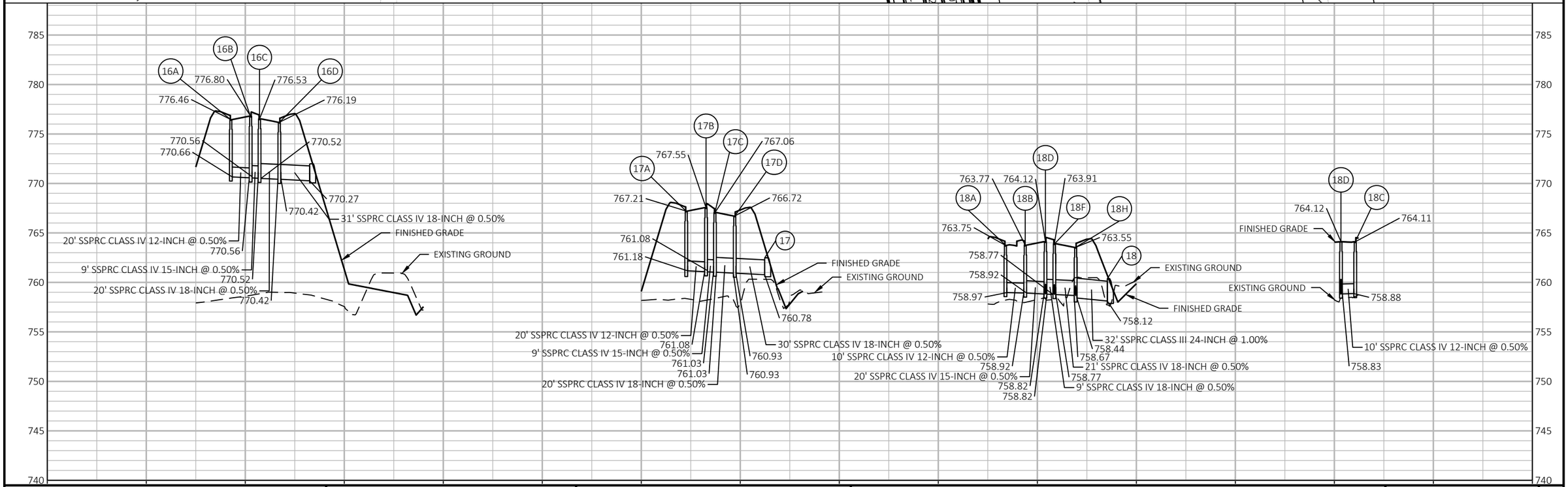


NOTES:
- OFFSET DISTANCE TO CENTER OF MANHOLES, CENTER OF INLETS, AND END OF PIPE AT ENDWALLS
- RIM ELEVATION TO CENTER OF MANHOLES, FLANGE AT INLETS, AND PIPE INVERT AT ENDWALLS



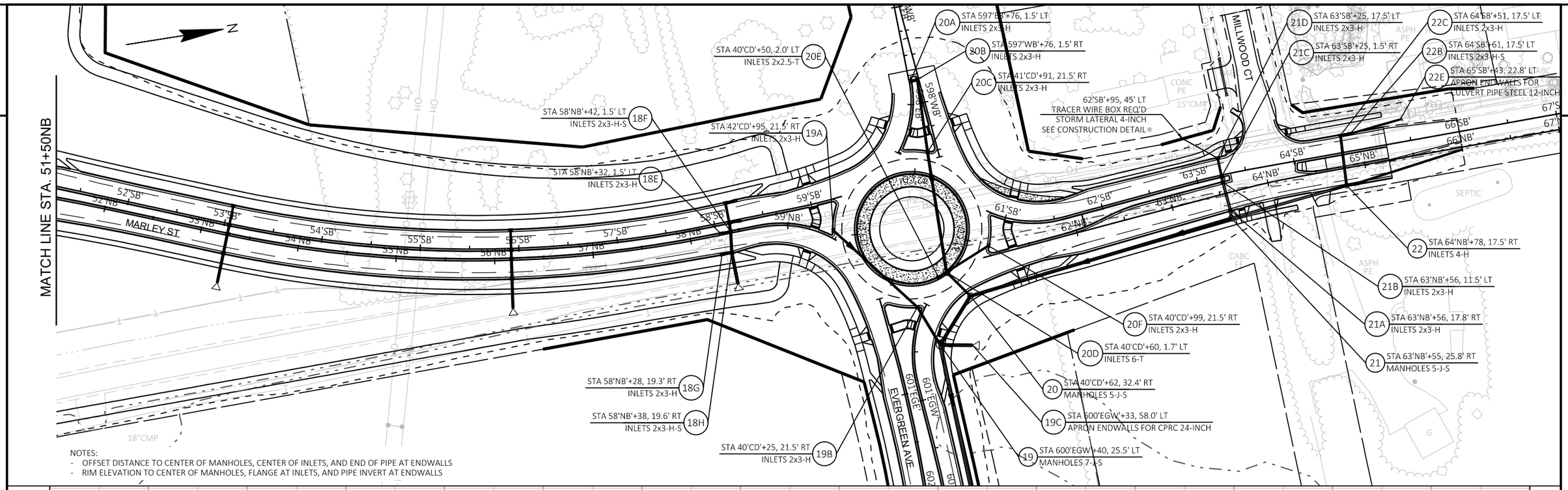
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STORM SEWER	SHEET 202	E

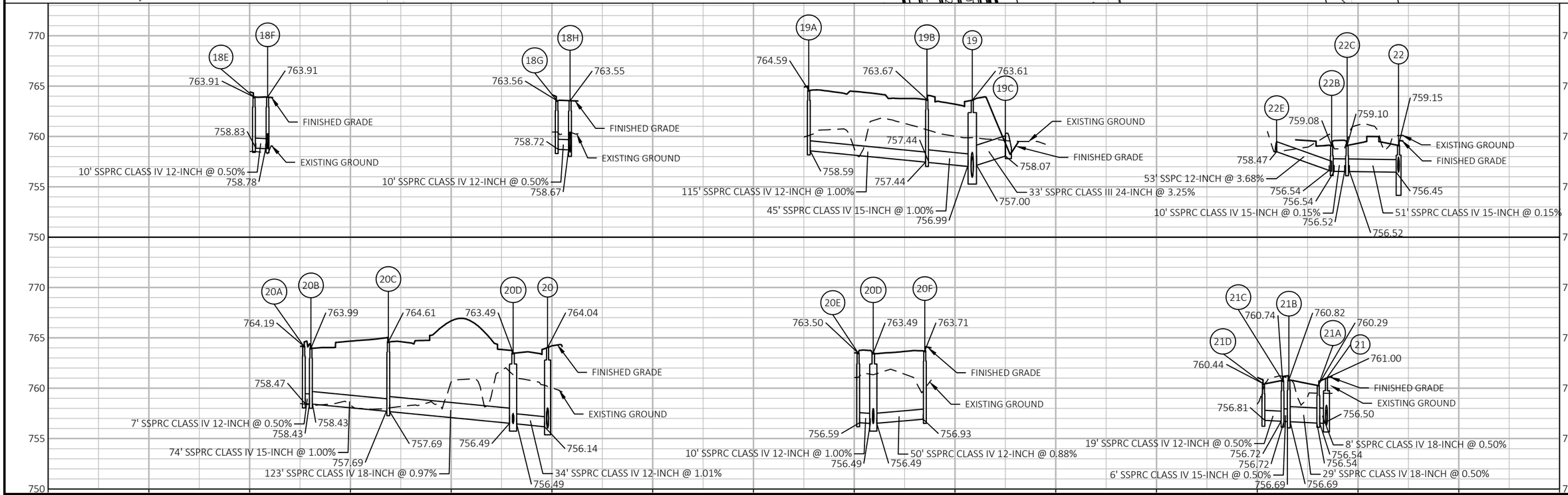




PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STORM SEWER	SHEET 203	E

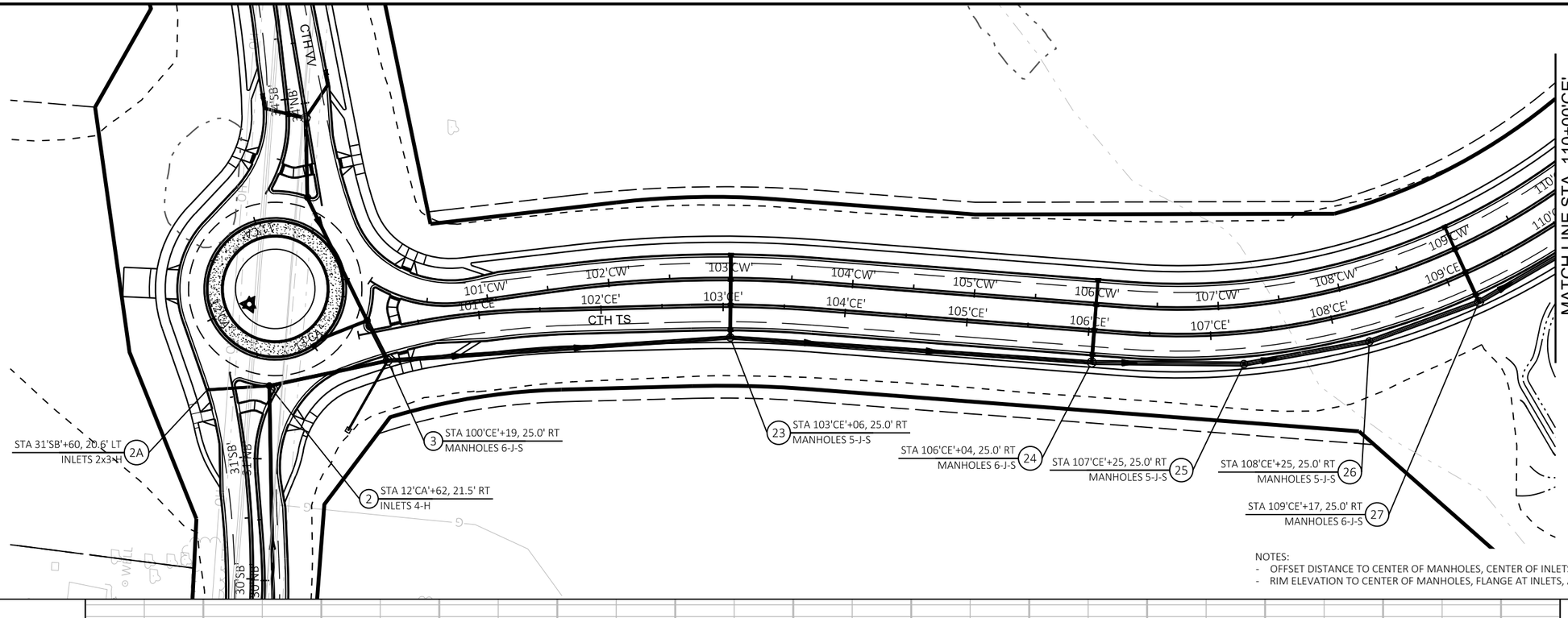
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022501-SSVV-LEADS.DWG
LAYOUT NAME - 022507
PLOT DATE : 6/30/2020 3:11 PM
PLOT BY : SEIBERT, CHELSEA
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



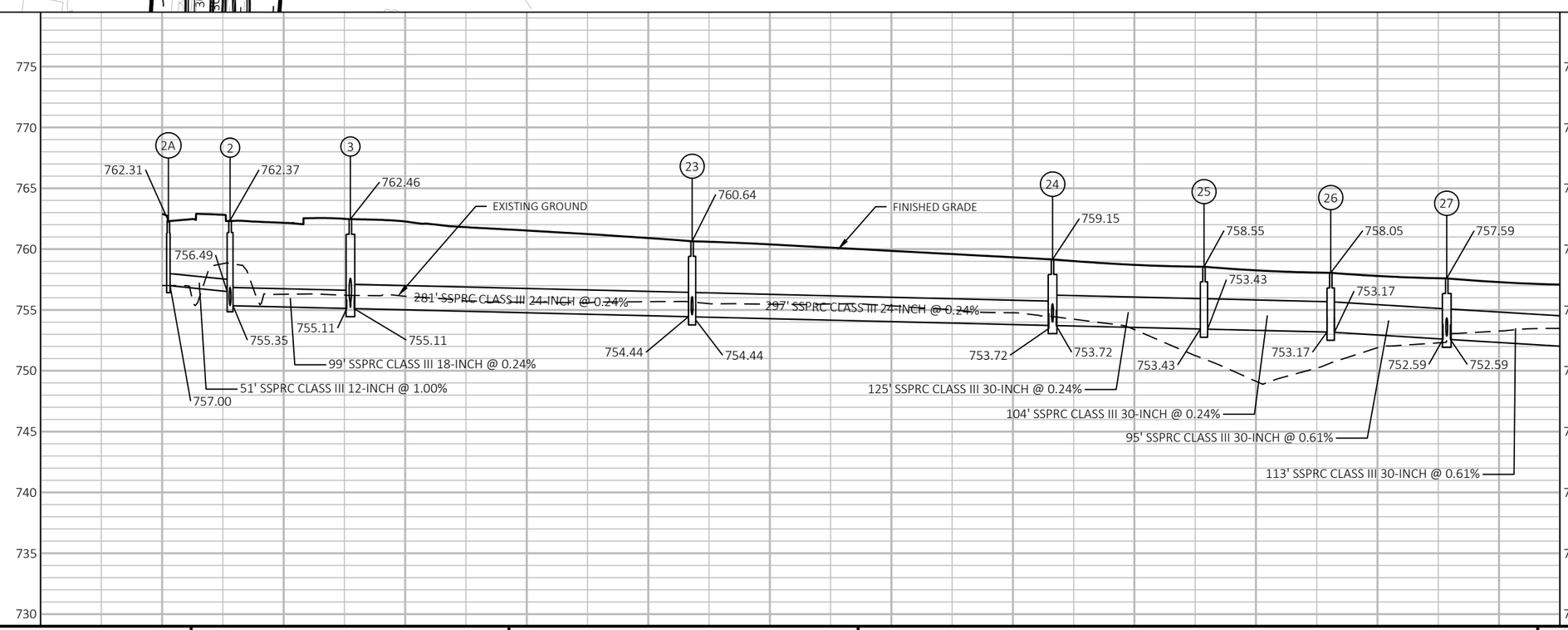


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STORM SEWER	SHEET 204	E

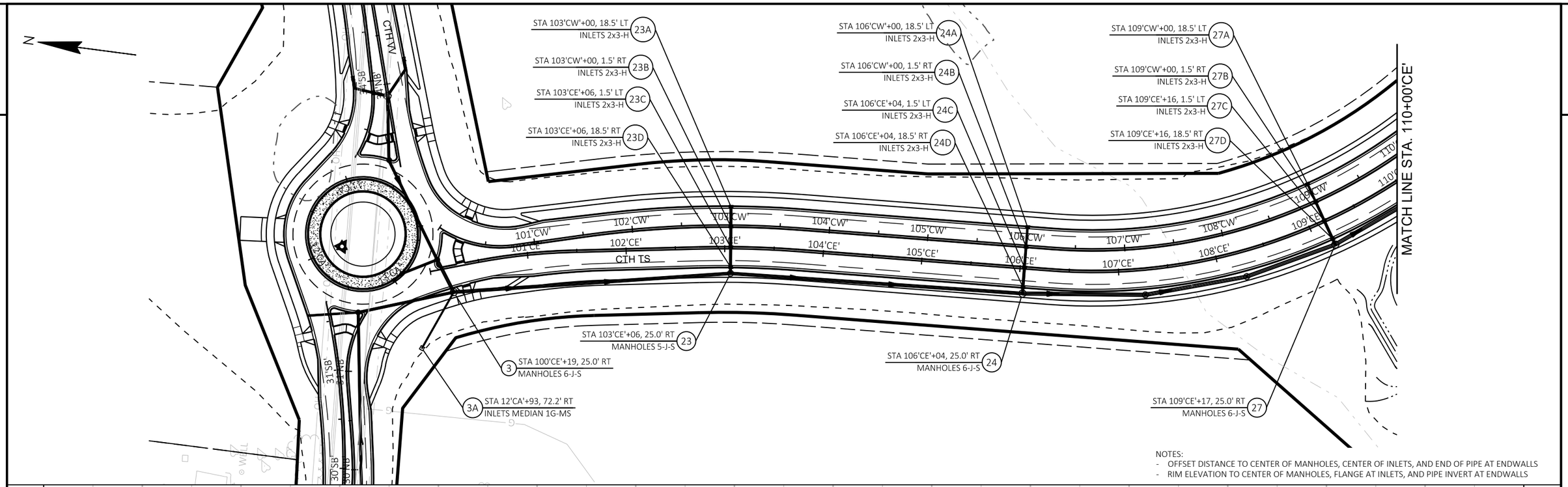
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LAYOUT NAME - 022508
PLOT DATE : 6/30/2020 3:27 PM
PLOT BY : SEIBERT, CHELSEA
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 41



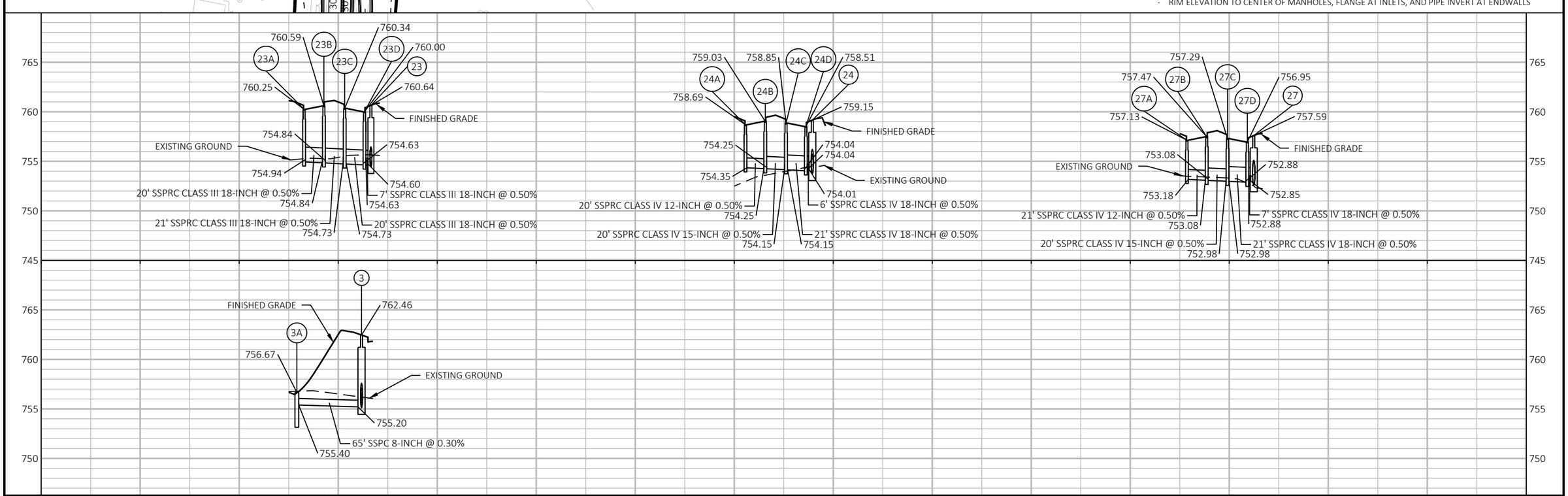
NOTES:
- OFFSET DISTANCE TO CENTER OF MANHOLES, CENTER OF INLETS, AND END OF PIPE AT ENDWALLS
- RIM ELEVATION TO CENTER OF MANHOLES, FLANGE AT INLETS, AND PIPE INVERT AT ENDWALLS



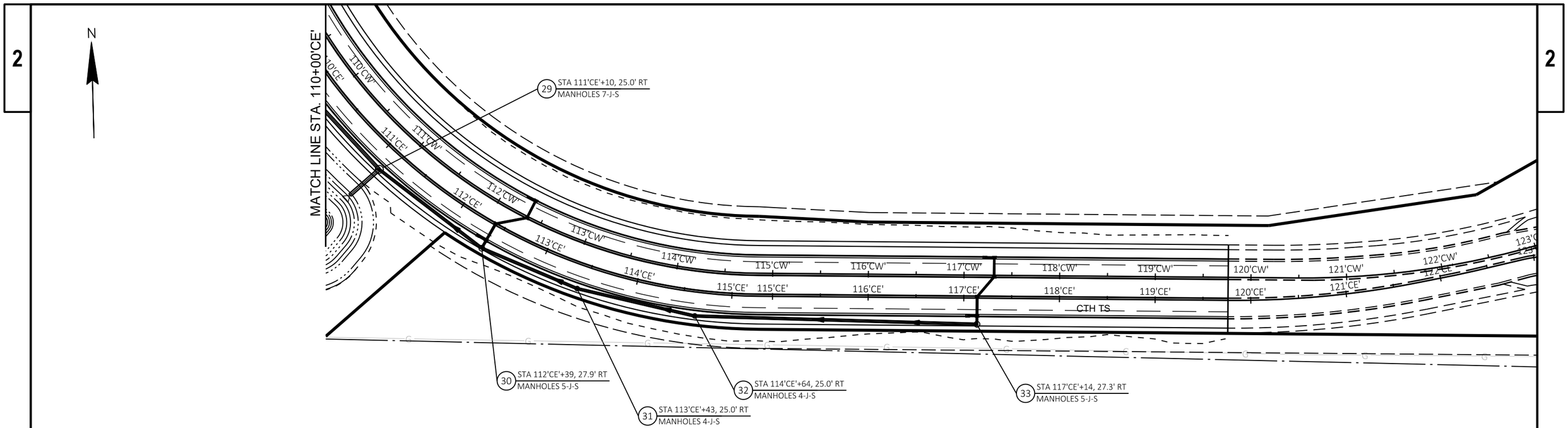
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STORM SEWER	SHEET 205	E



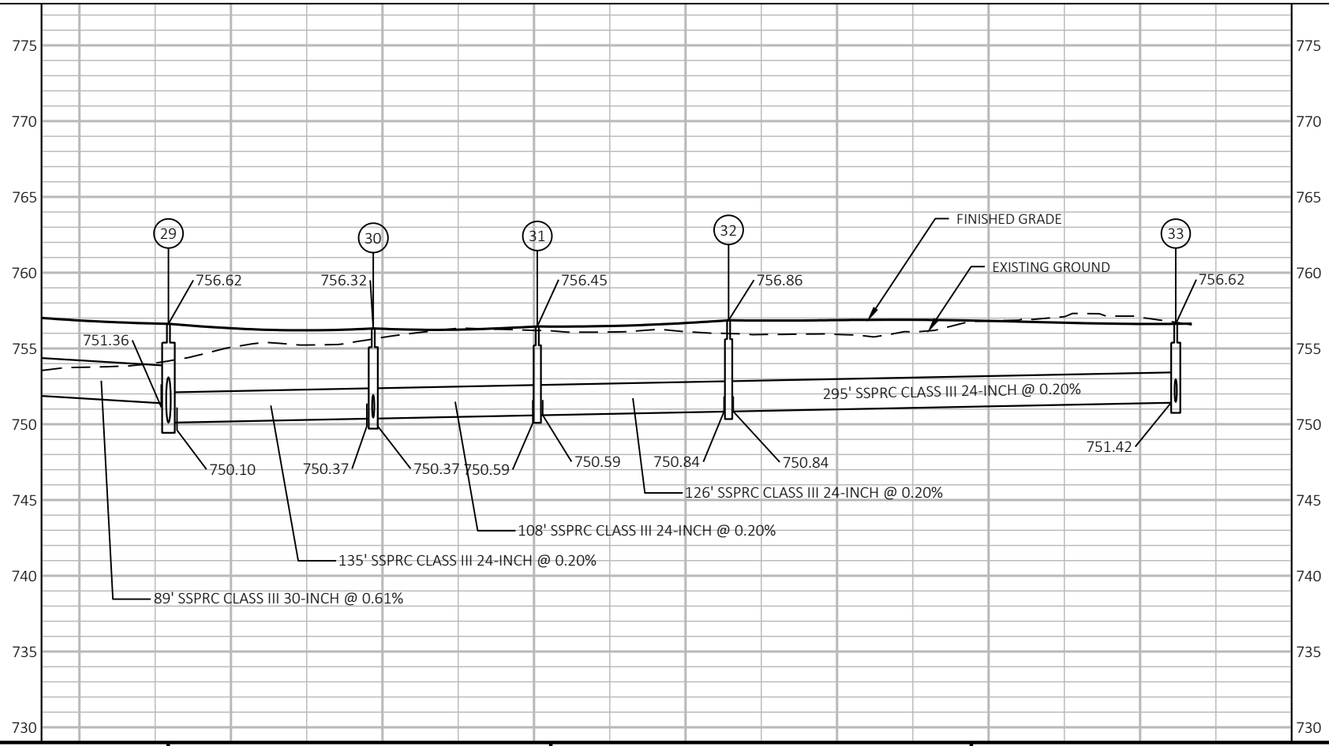
NOTES:
- OFFSET DISTANCE TO CENTER OF MANHOLES, CENTER OF INLETS, AND END OF PIPE AT ENDWALLS
- RIM ELEVATION TO CENTER OF MANHOLES, FLANGE AT INLETS, AND PIPE INVERT AT ENDWALLS



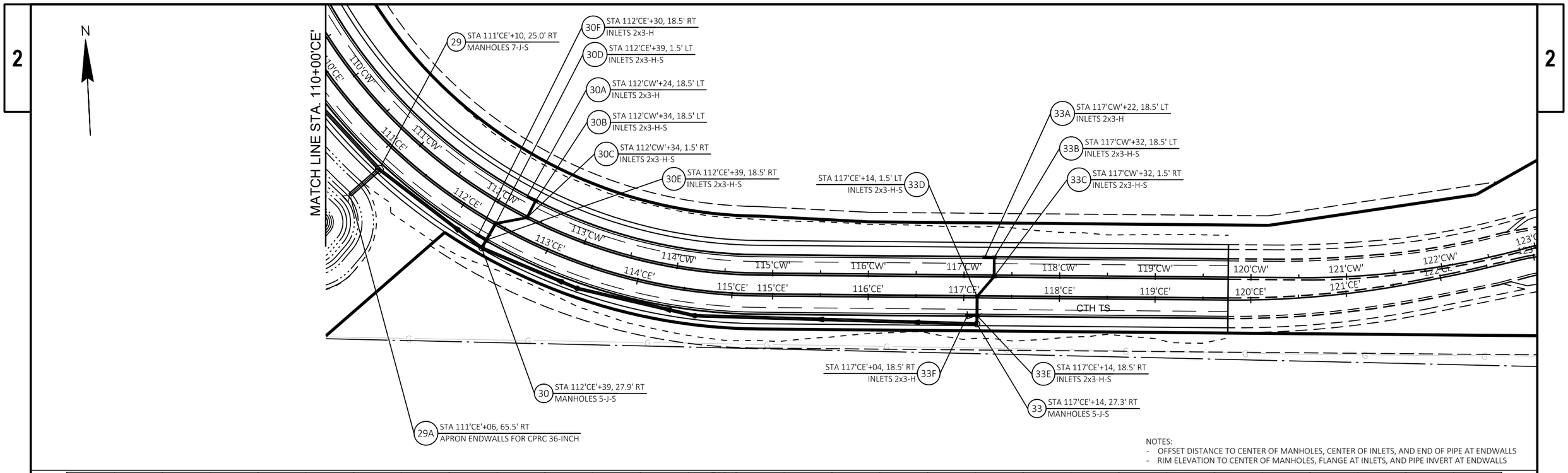
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STORM SEWER	SHEET 206	E



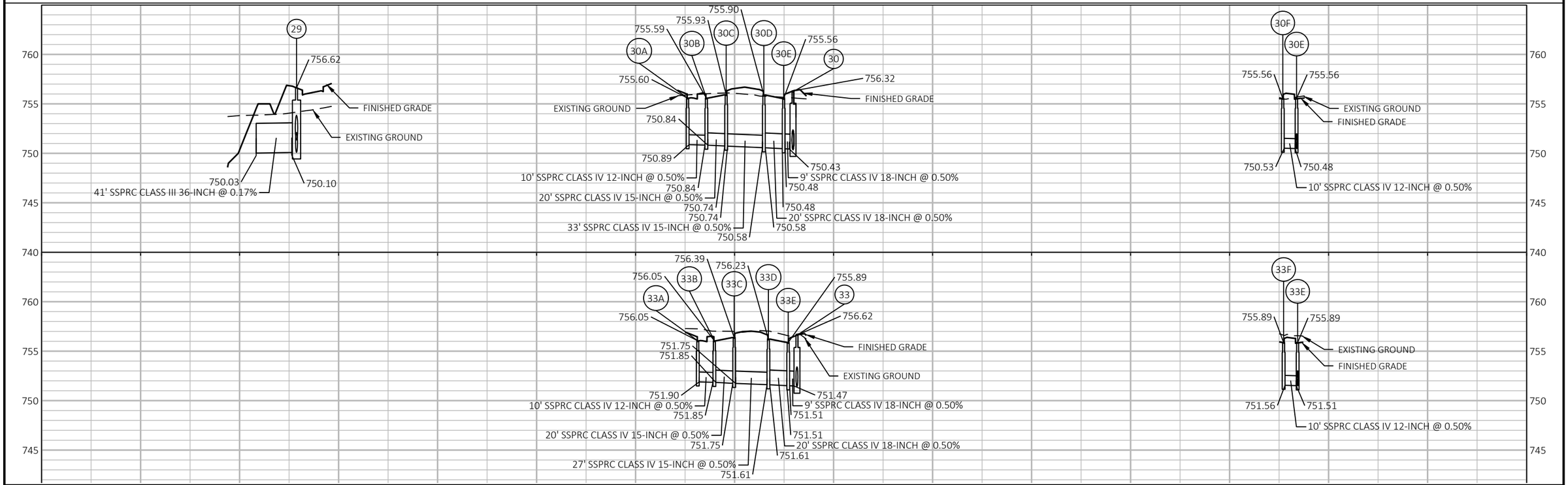
NOTES:
- OFFSET DISTANCE TO CENTER OF MANHOLES, CENTER OF INLETS, AND END OF PIPE AT ENDWALLS
- RIM ELEVATION TO CENTER OF MANHOLES, FLANGE AT INLETS, AND PIPE INVERT AT ENDWALLS



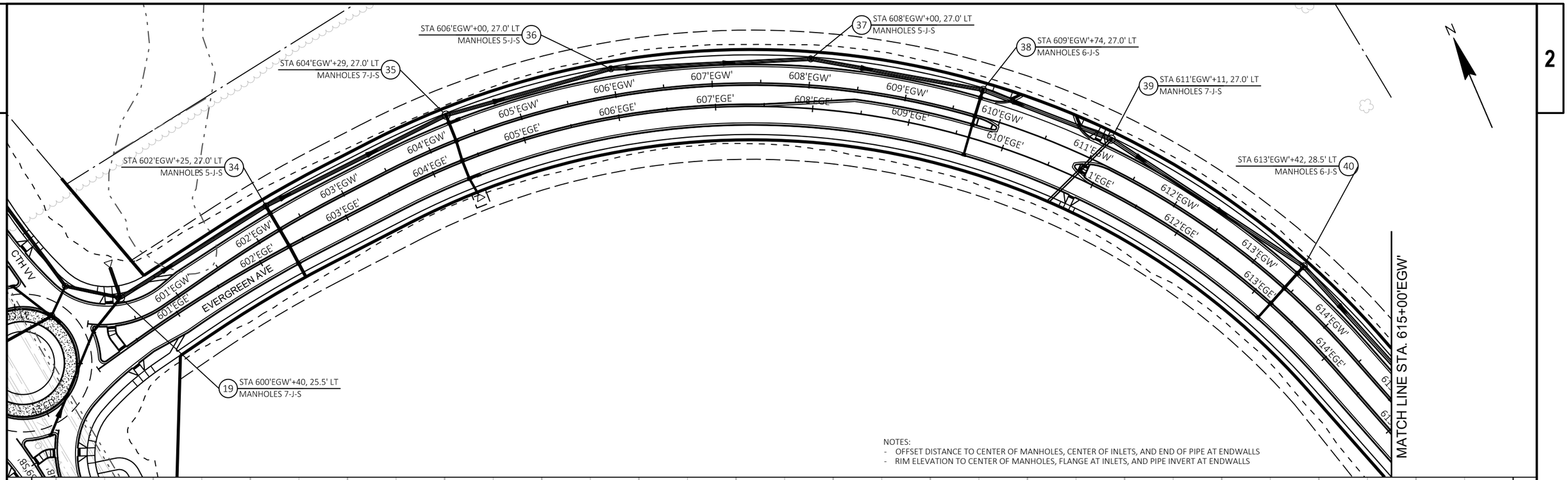
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STORM SEWER	SHEET 207	E

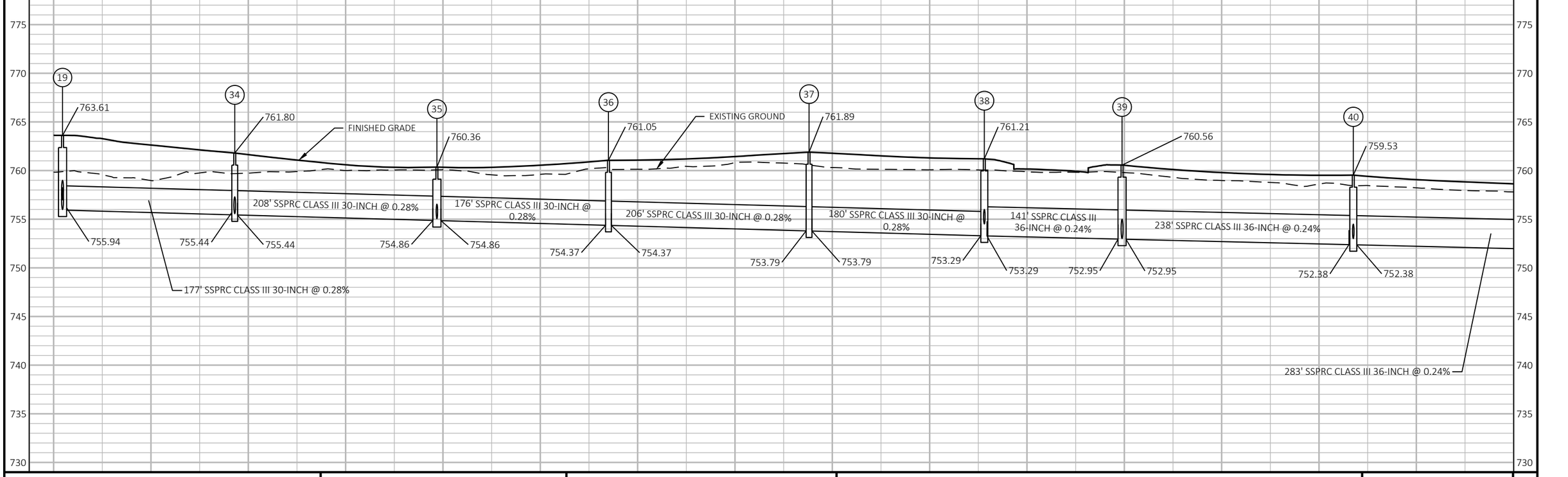


NOTES:
- OFFSET DISTANCE TO CENTER OF MANHOLES, CENTER OF INLETS, AND END OF PIPE AT ENDWALLS
- RIM ELEVATION TO CENTER OF MANHOLES, FLANGE AT INLETS, AND PIPE INVERT AT ENDWALLS



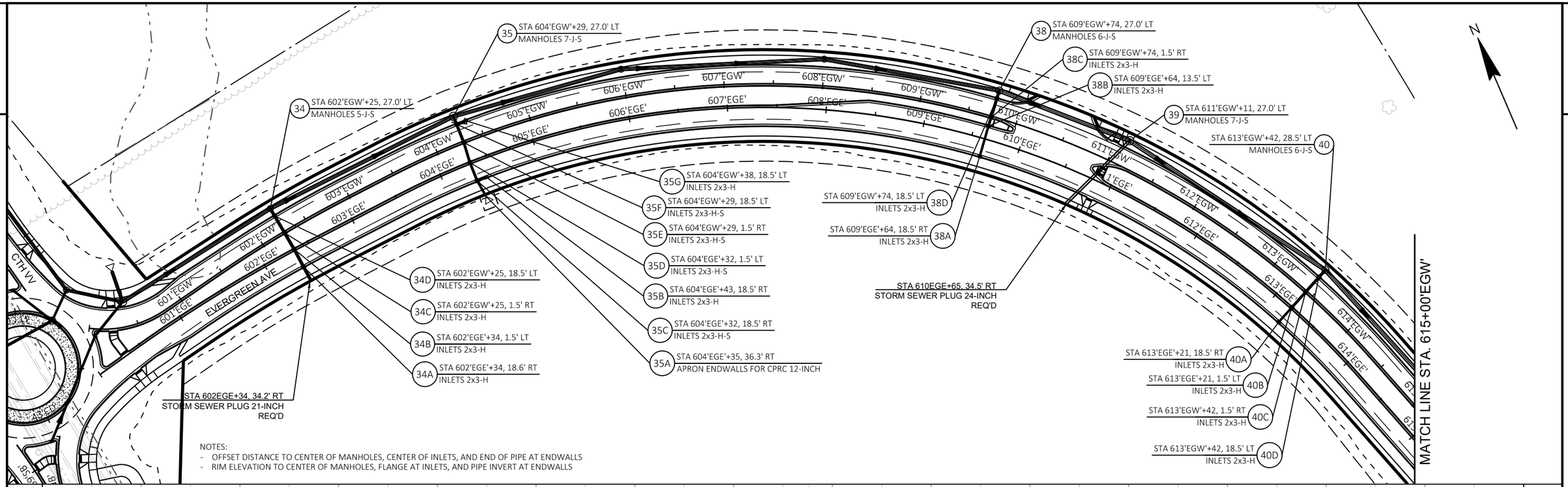
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STORM SEWER	SHEET 208	E



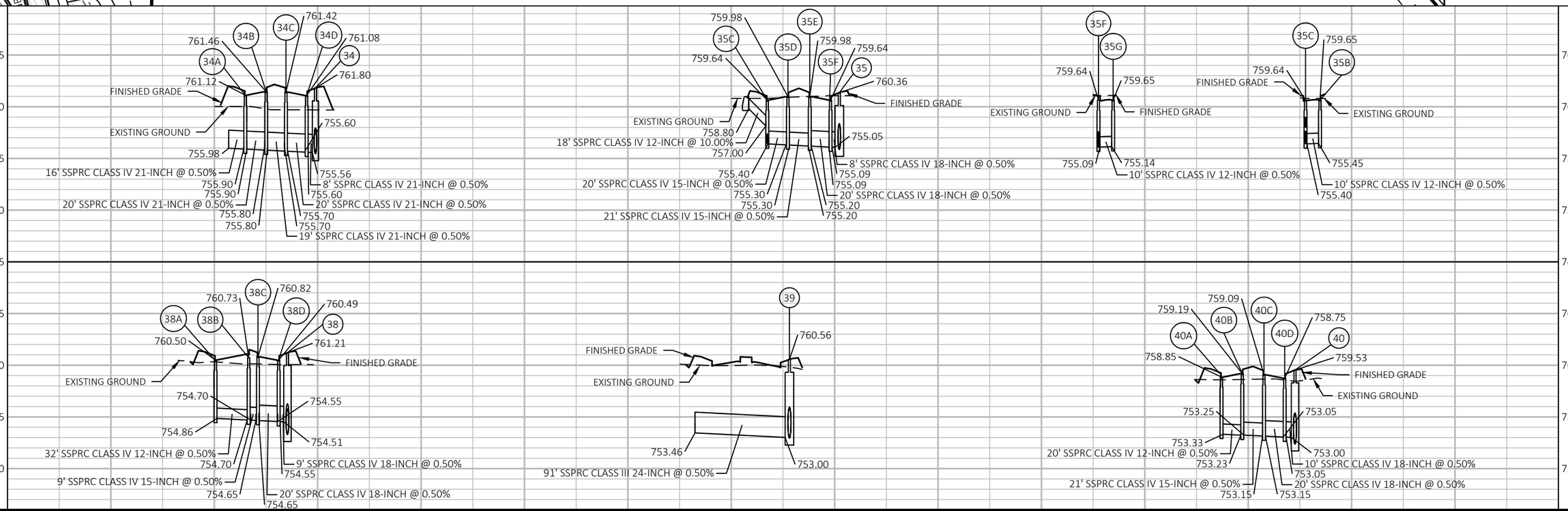


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STORM SEWER	SHEET 209	E

2

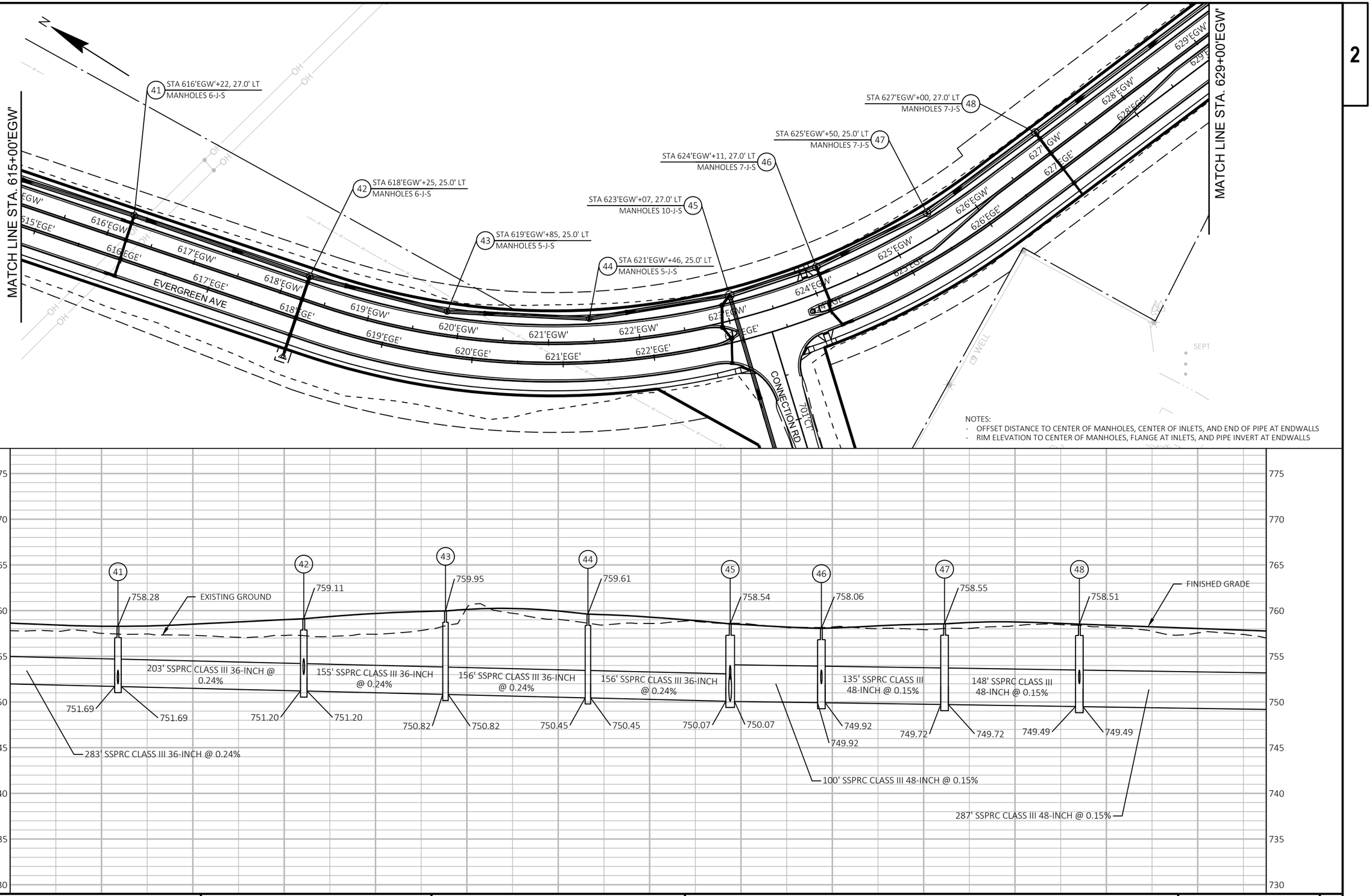


NOTES:
- OFFSET DISTANCE TO CENTER OF MANHOLES, CENTER OF INLETS, AND END OF PIPE AT ENDWALLS
- RIM ELEVATION TO CENTER OF MANHOLES, FLANGE AT INLETS, AND PIPE INVERT AT ENDWALLS



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STORM SEWER	SHEET 210	E

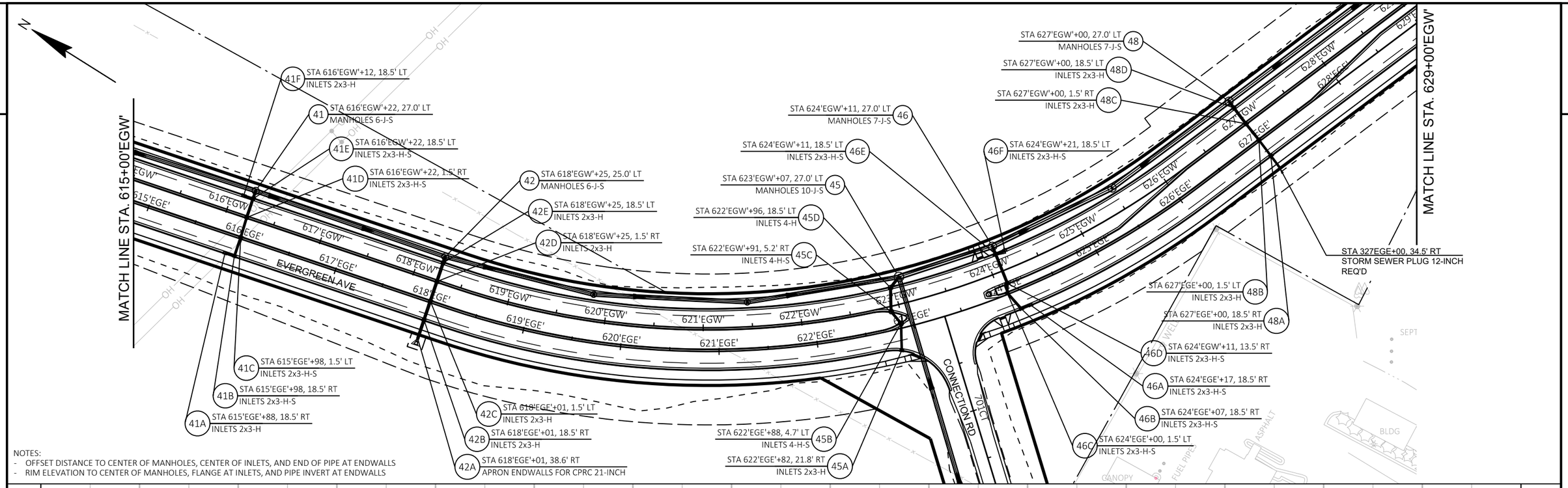
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LAYOUT NAME - 022514
PLOT DATE : 4/27/2020 4:18 PM
PLOT BY : SEIBERT, CHELSEA
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 41



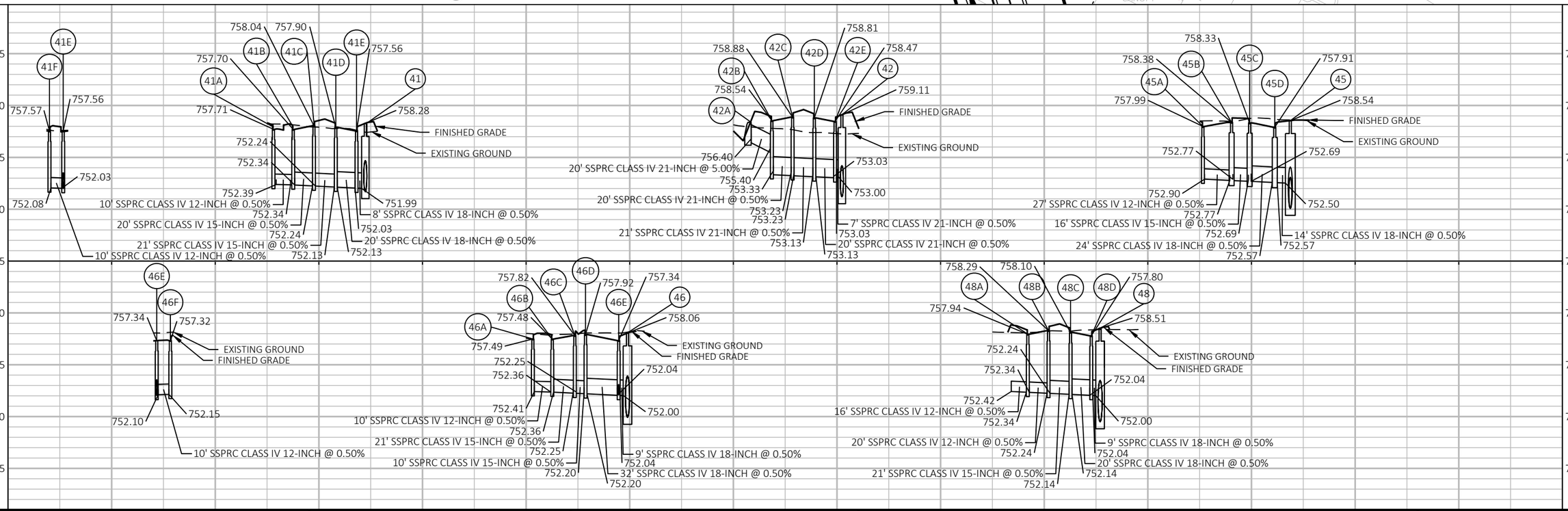
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FILE NAME : I:\45\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022501-SSEG.DWG
LAYOUT NAME - 022515

PLOT DATE : 4/27/2020 4:21 PM PLOT BY : SEIBERT, CHELSEA PLOT NAME : PLOT SCALE : 1 IN:100 FT



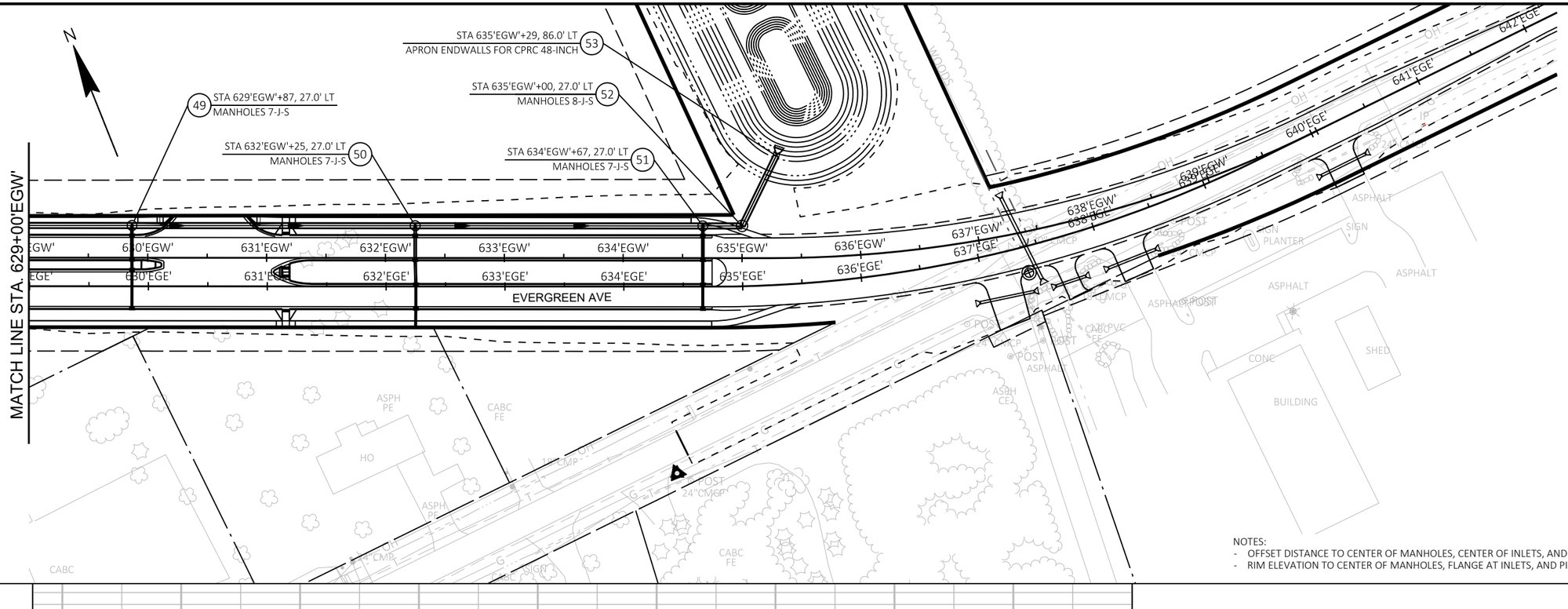
NOTES:
- OFFSET DISTANCE TO CENTER OF MANHOLES, CENTER OF INLETS, AND END OF PIPE AT ENDWALLS
- RIM ELEVATION TO CENTER OF MANHOLES, FLANGE AT INLETS, AND PIPE INVERT AT ENDWALLS

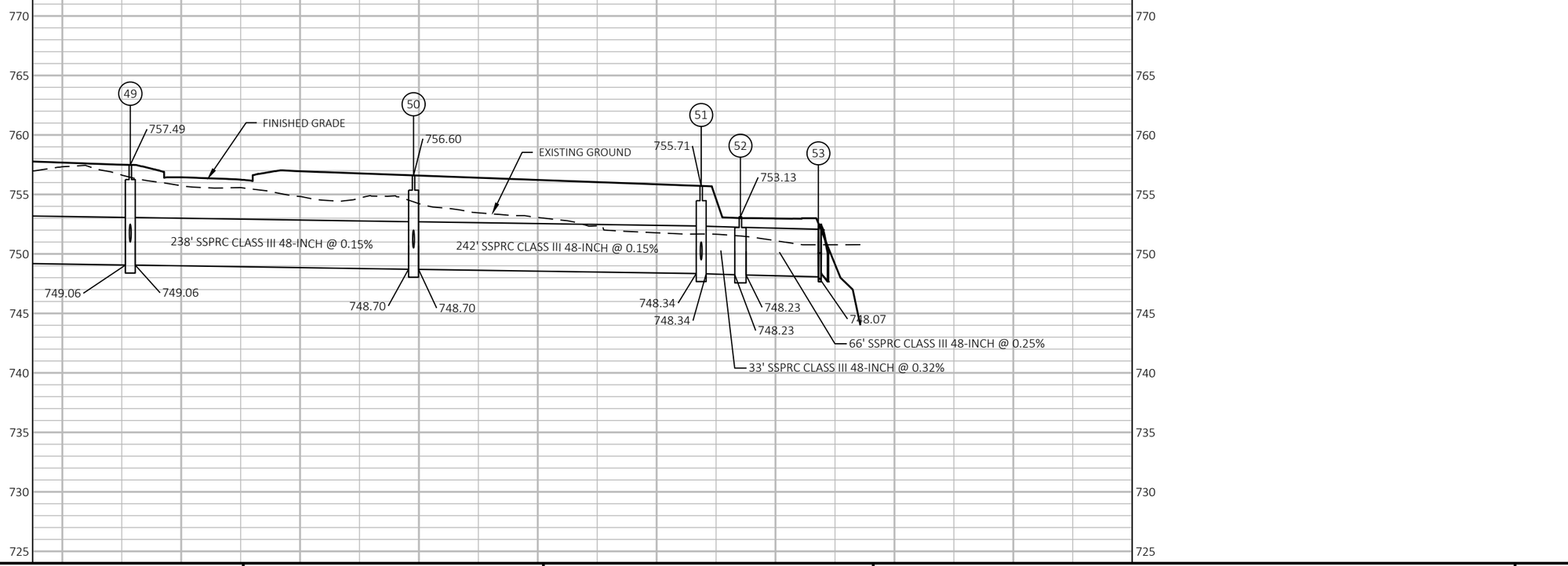


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STORM SEWER	SHEET 212	E

FILE NAME : I:\45\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022501-SSEG-LEADS.DWG
LAYOUT NAME - 022516
PLOT DATE : 4/27/2020 4:23 PM
PLOT BY : SEIBERT, CHELSEA
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 41

2



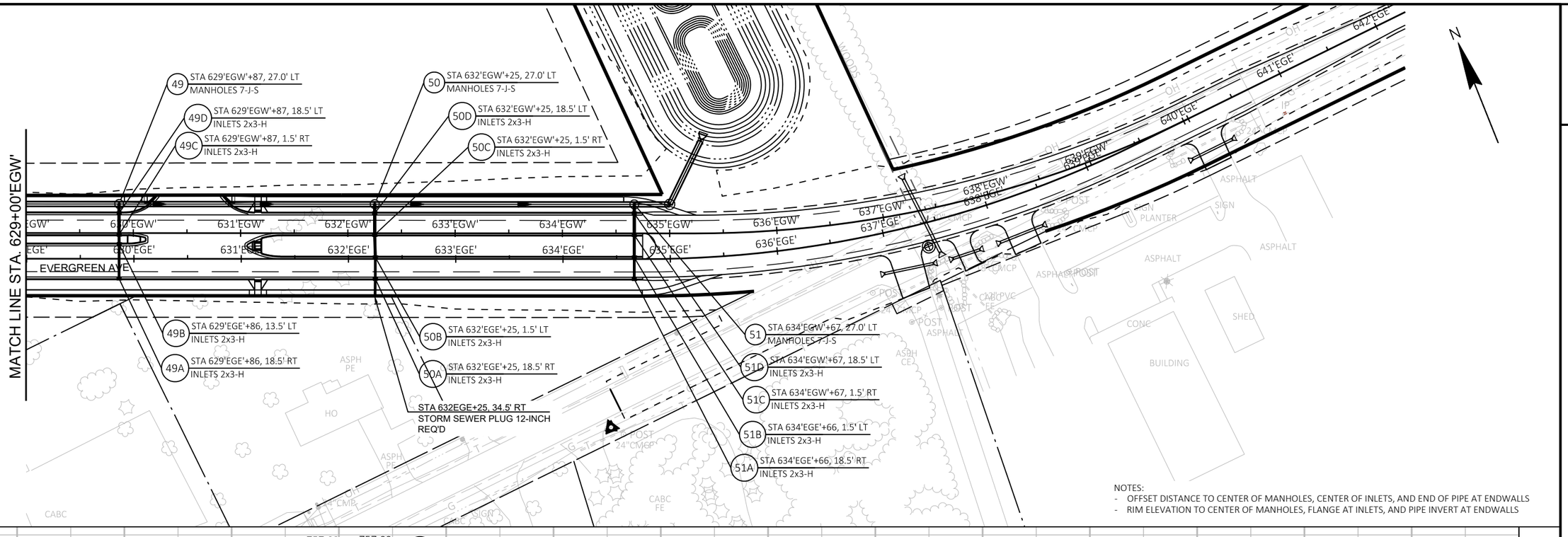


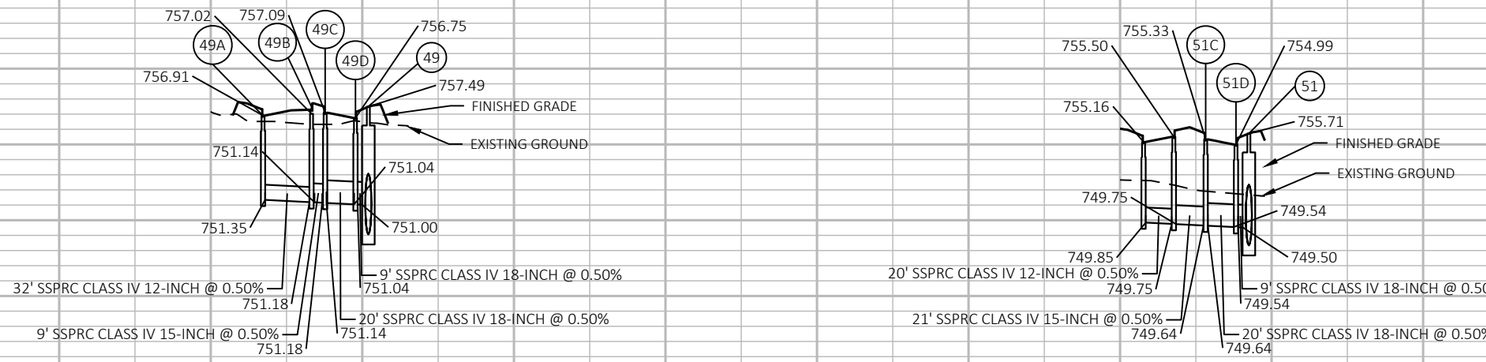
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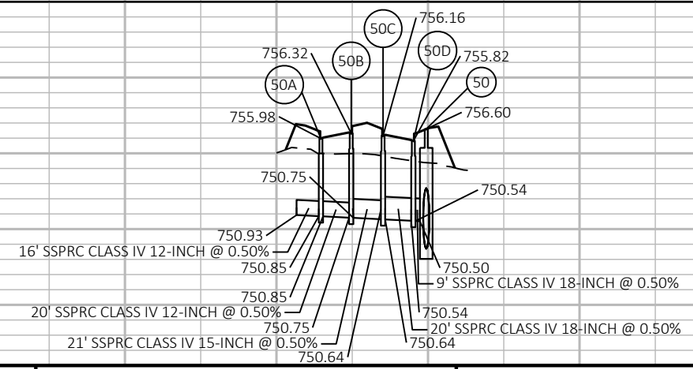
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LAYOUT NAME - 022517

PLOT DATE : 4/27/2020 4:25 PM PLOT BY : SEIBERT, CHELSEA PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



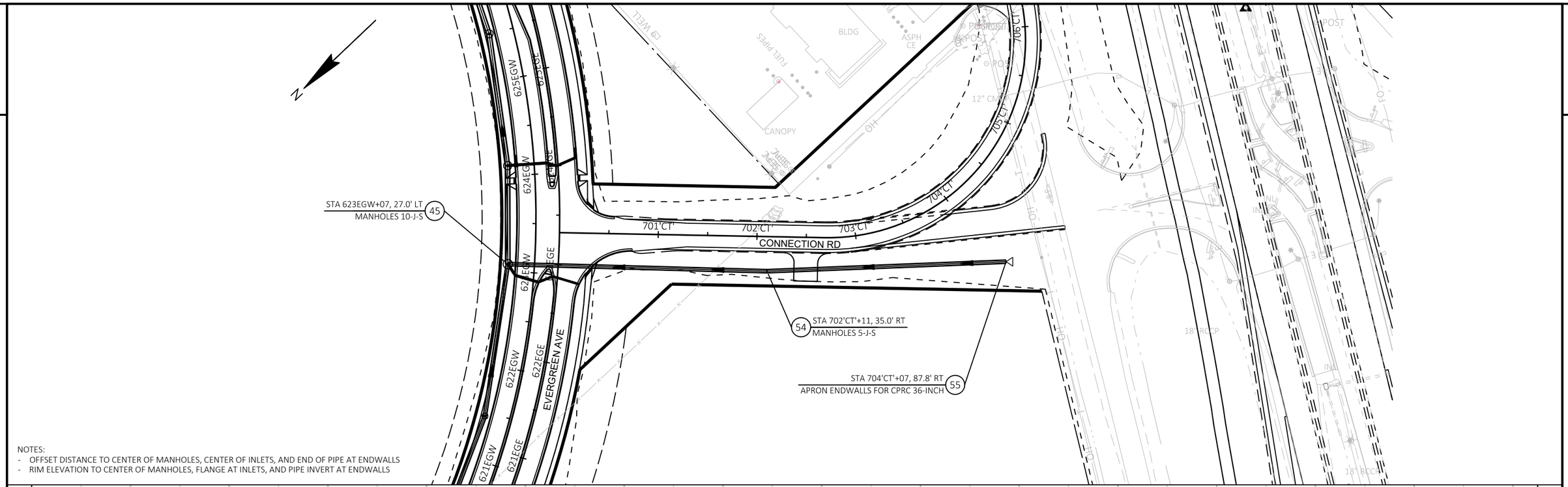




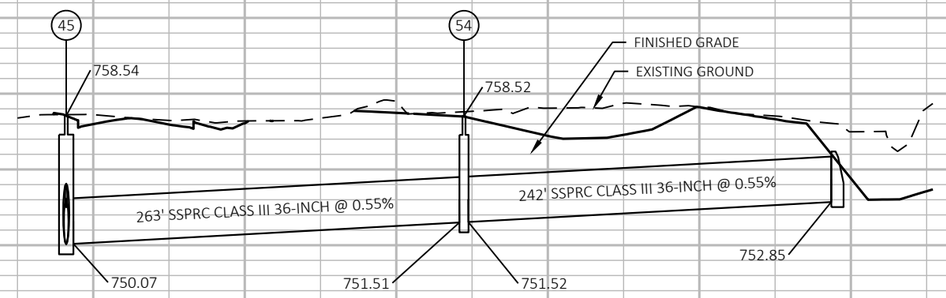
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LAYOUT NAME - 022518
PLOT DATE : 4/27/2020 4:28 PM
PLOT BY : SEIBERT, CHELSEA
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 41

2

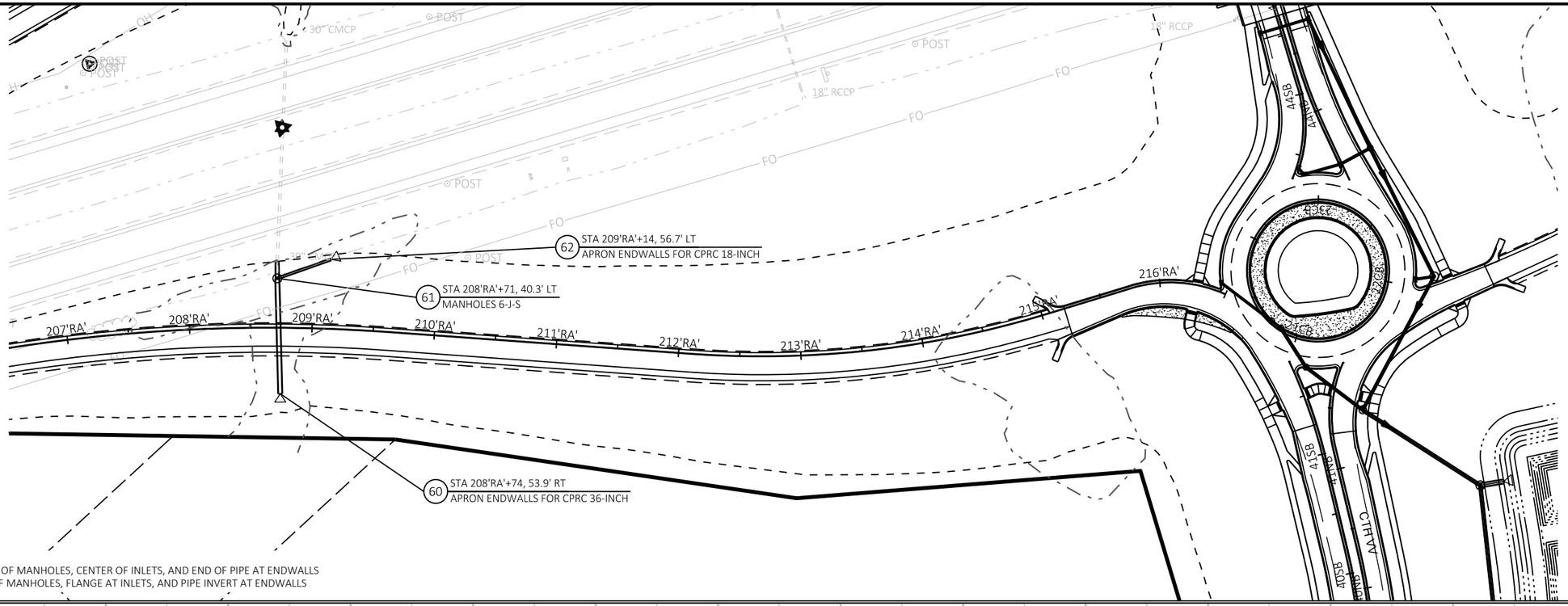


NOTES:
- OFFSET DISTANCE TO CENTER OF MANHOLES, CENTER OF INLETS, AND END OF PIPE AT ENDWALLS
- RIM ELEVATION TO CENTER OF MANHOLES, FLANGE AT INLETS, AND PIPE INVERT AT ENDWALLS

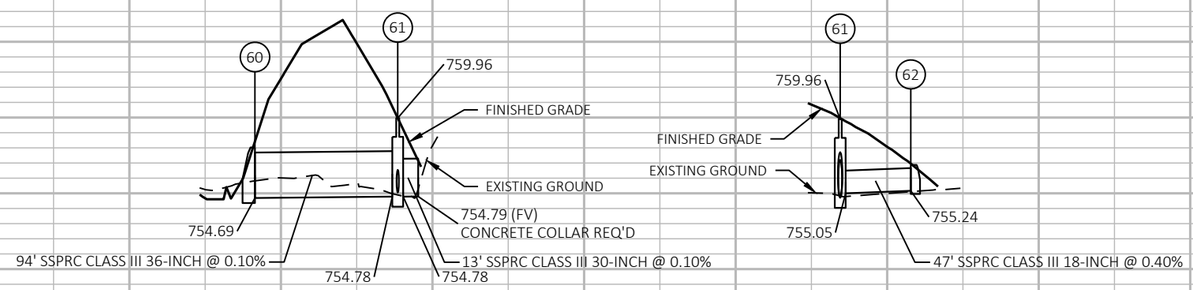


775 770 765 760 755 750 745 740 735 730

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STORM SEWER	SHEET 215	E



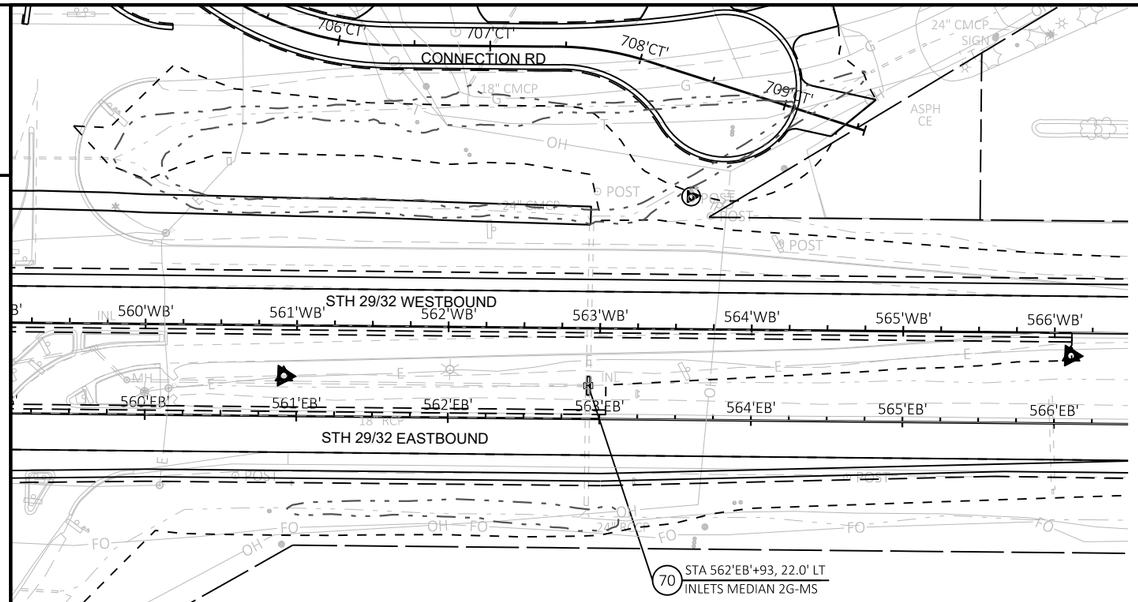
NOTES:
- OFFSET DISTANCE TO CENTER OF MANHOLES, CENTER OF INLETS, AND END OF PIPE AT ENDWALLS
- RIM ELEVATION TO CENTER OF MANHOLES, FLANGE AT INLETS, AND PIPE INVERT AT ENDWALLS

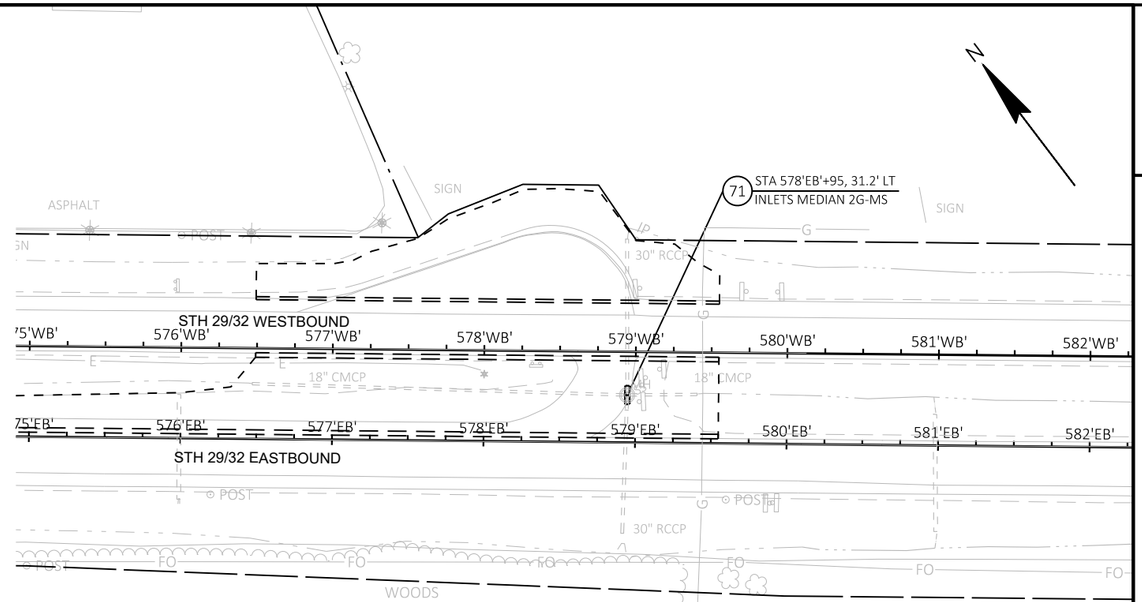


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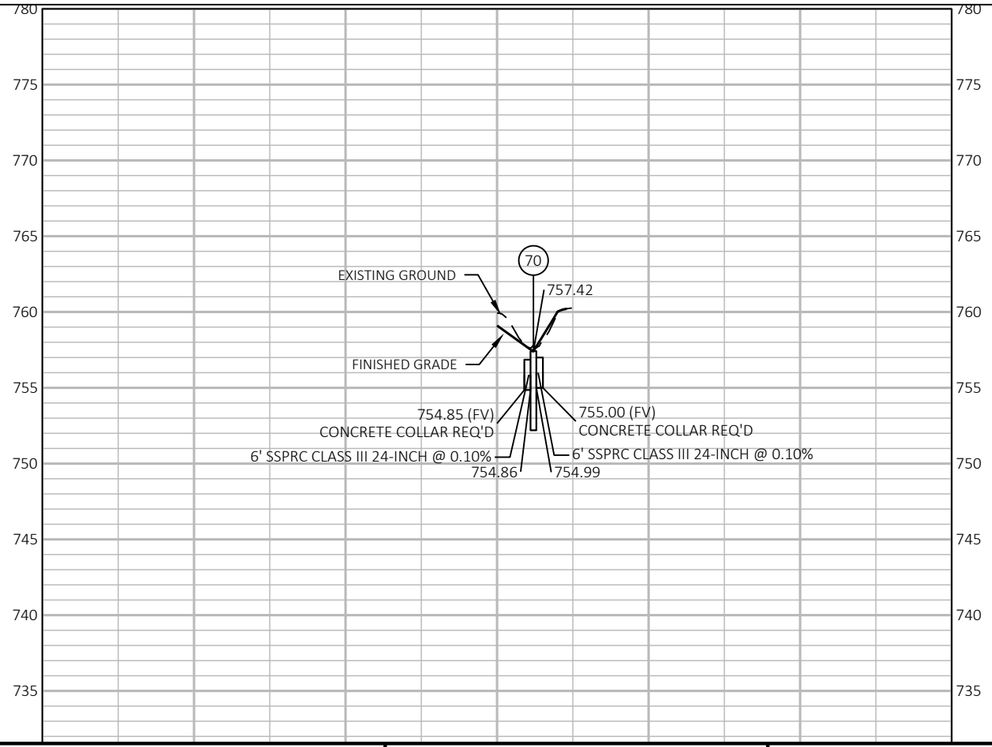
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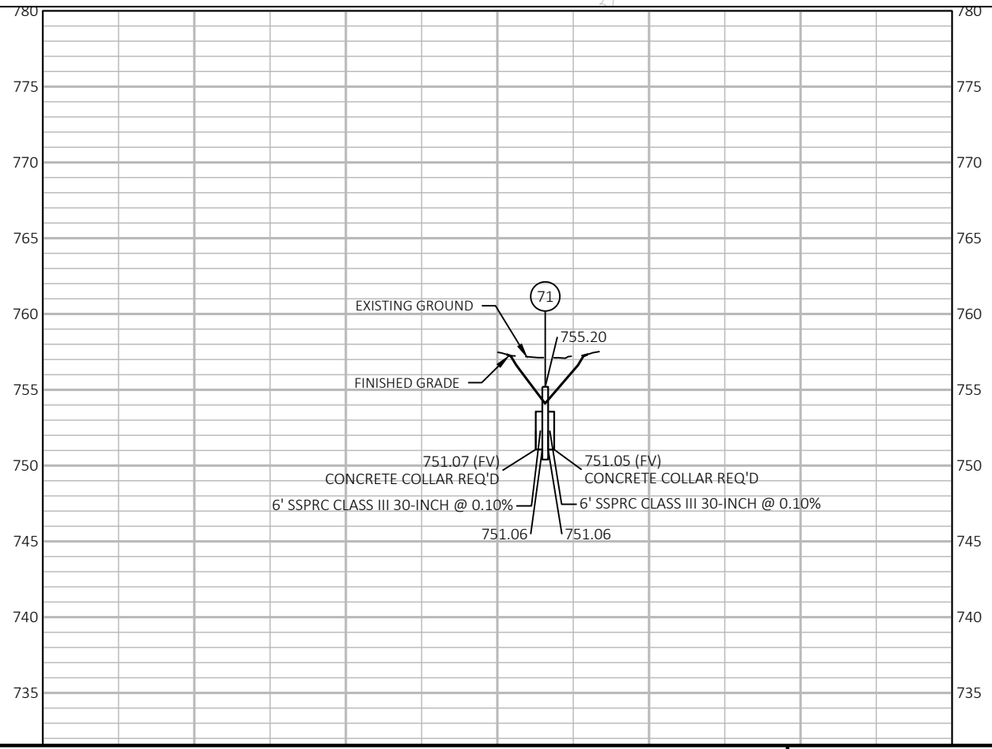
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LAYOUT NAME - 022520
PLOT DATE : 4/27/2020 4:33 PM
PLOT BY : SEIBERT, CHELSEA
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 41





NOTES:
- OFFSET DISTANCE TO CENTER OF MANHOLES, CENTER OF INLETS, AND END OF PIPE AT ENDWALLS
- RIM ELEVATION TO CENTER OF MANHOLES, FLANGE AT INLETS, AND PIPE INVERT AT ENDWALLS





PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STORM SEWER	SHEET 217	E

2

N

0 20 40

POND STAKING TABLE	
POINT	STATION / OUT
1	80+19, 7.5'LT
2	80+19, 7.5'RT
3	80+31, 7.5'LT
4	80+31, 7.5'RT
5	80+51, 7.5'LT
6	80+51, 7.5'RT
7	80+61, 7.5'LT
8	80+61, 7.5'RT
9	80+76, 64.5'LT
10	80+76, 52.5'LT
11	80+76, 32.5'LT
12	80+76, 22.5'LT
13	80+75, 0'
14	80+76, 22.5'RT

POND STAKING TABLE	
POINT	STATION / OUT
15	80+76, 32.5'RT
16	80+74, 52.5'RT
17	80+74, 64.5'RT
18	81+03, 0'
19	81+13, 5.5'LT
20	81+13, 5.5'RT
21	81.23, 5.5'LT
22	81+23, 5.5'RT
23	81+33, 0'
24	82+15, 64.5'LT
25	82+14, 52.5'LT
26	82+12, 32.5'LT
27	82+12, 22.5'LT
28	82+13, 0'

POND STAKING TABLE	
POINT	STATION / OUT
29	82+12, 22.5'RT
30	82+13, 32.5'RT
31	82+14, 52.5'RT
32	82+14, 64.5'RT
33	82+20, 57.5'LT
34	82+30, 26.7'LT
35	82+33, 24.2'LT
36	82+27, 7.5'LT
37	82+27, 7.5'RT
38	82+37, 7.5'LT
39	82+37, 7.5'RT
40	82+43, 47.5'LT
41	82+67, 61.8'LT
42	82+75, 43.3'LT

POND STAKING TABLE	
POINT	STATION / OUT
43	82+73, 40.3'LT
44	82+73, 19.7'LT
45	82+79, 60.3'LT
46	82+84, 43.3'LT
47	82+86, 40.3'LT
48	82+86, 19.7'RT

EP: 83+60.00

ROCK CRIB

SPILLWAY

MAIN POOL

SAFETY SHELF

FOREBAY

BERM

CTH TS

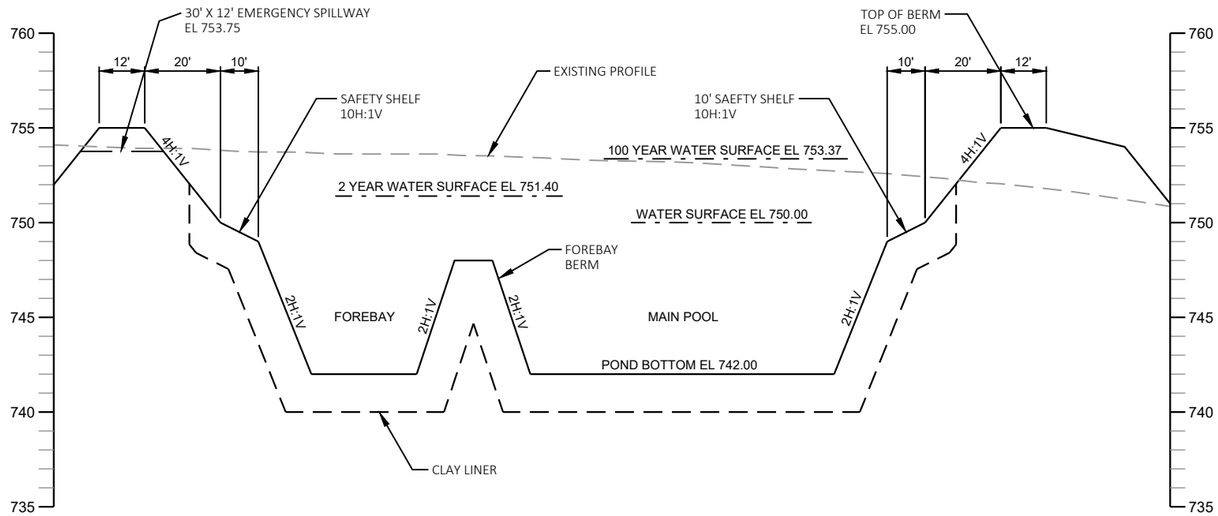
PT: 80+75.69

BP: 80+00.00

755 754 753 752 751 750 742 743 744 745 746 747 748 749

G G G G G G G G

2

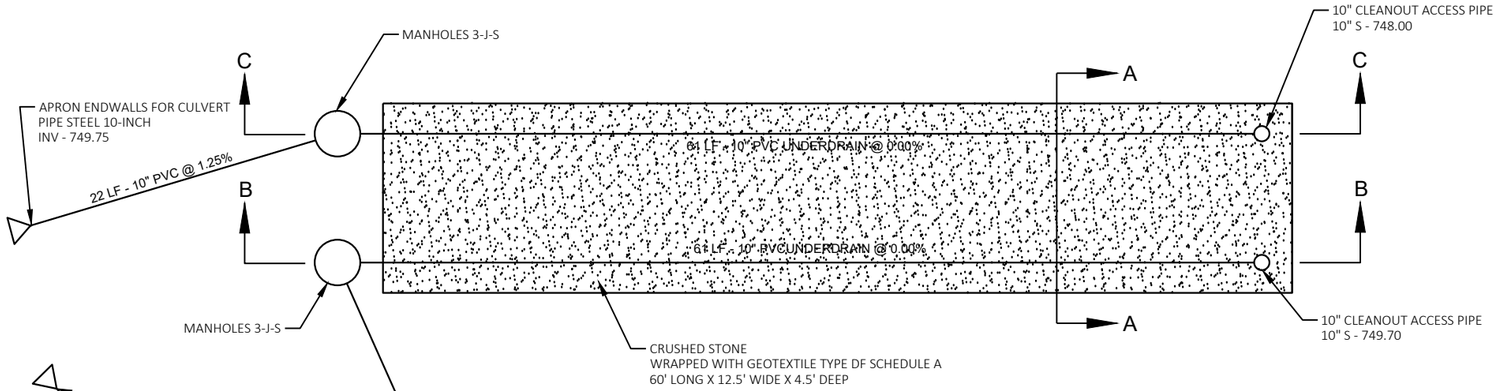


TYPICAL SECTION
CTH TS DETENTION POND

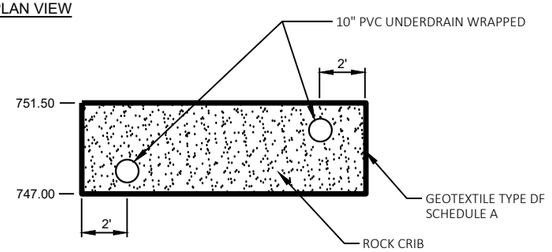
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CTH TS DETENTION POND - SECTION	SHEET 219	E

FILE NAME : I:\45\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022006-EC-CTH TS POND.DWG PLOT DATE : 4/27/2020 4:38 PM PLOT BY : SEIBERT, CHELSEA PLOT NAME :

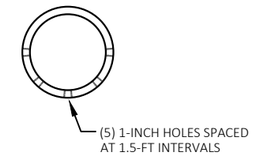
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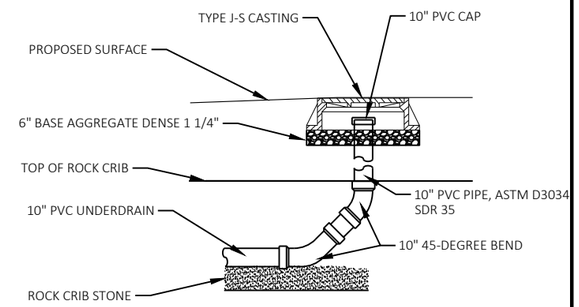
ROCK CRIB PLAN VIEW



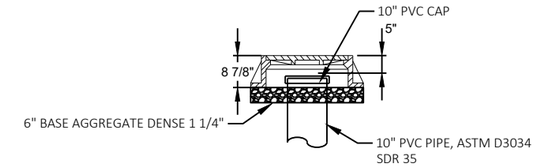
SECTION A-A



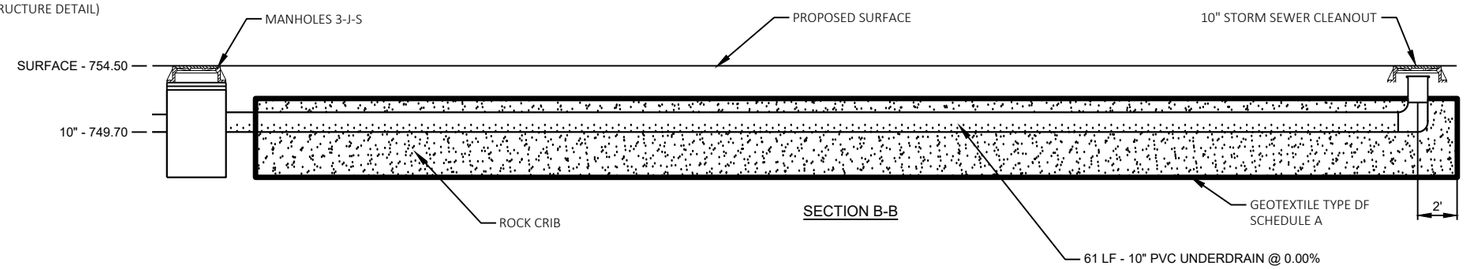
PERFORATIONS



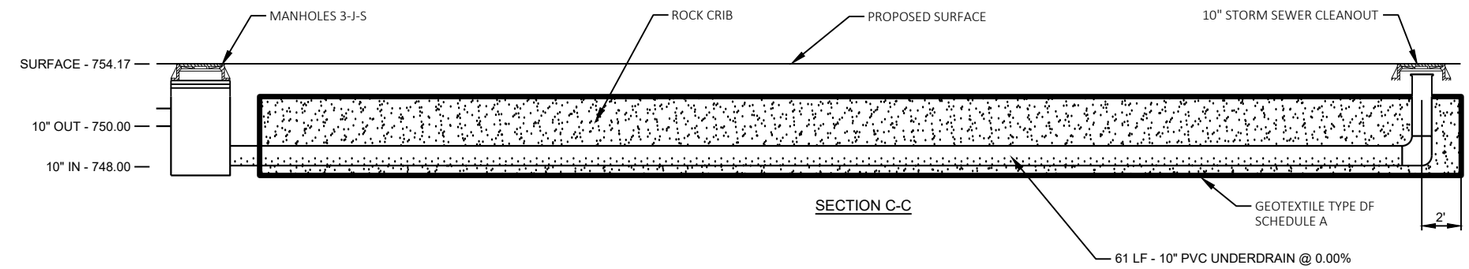
SECTION



STORM SEWER CLEANOUT

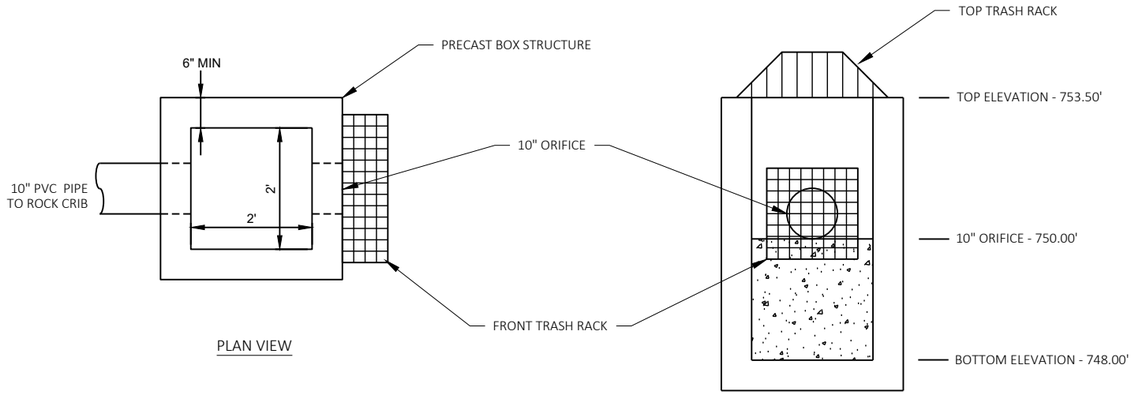


SECTION B-B



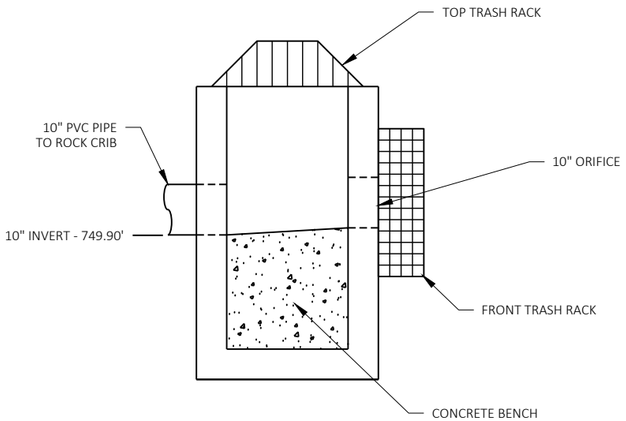
SECTION C-C

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CTH TS DETENTION POND - OUTFALL STRUCTURES AND ROCK CRIB DETAILS	SHEET 220	E



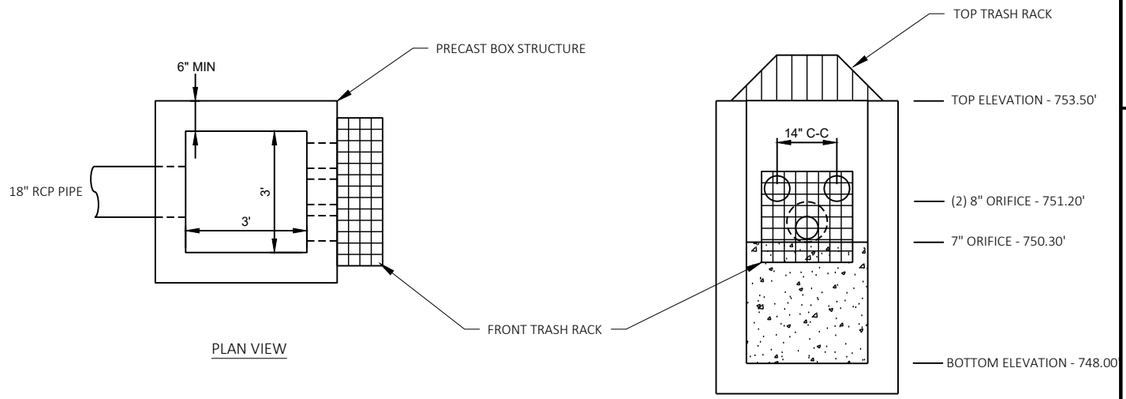
PLAN VIEW

FRONT VIEW



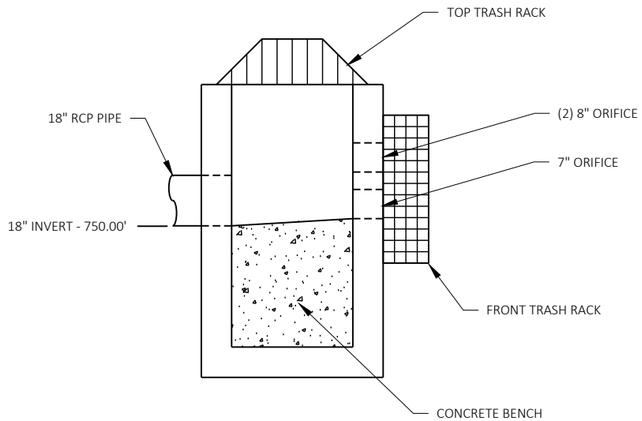
SIDE VIEW

ROCK CRIB POND OUTFALL STRUCTURE



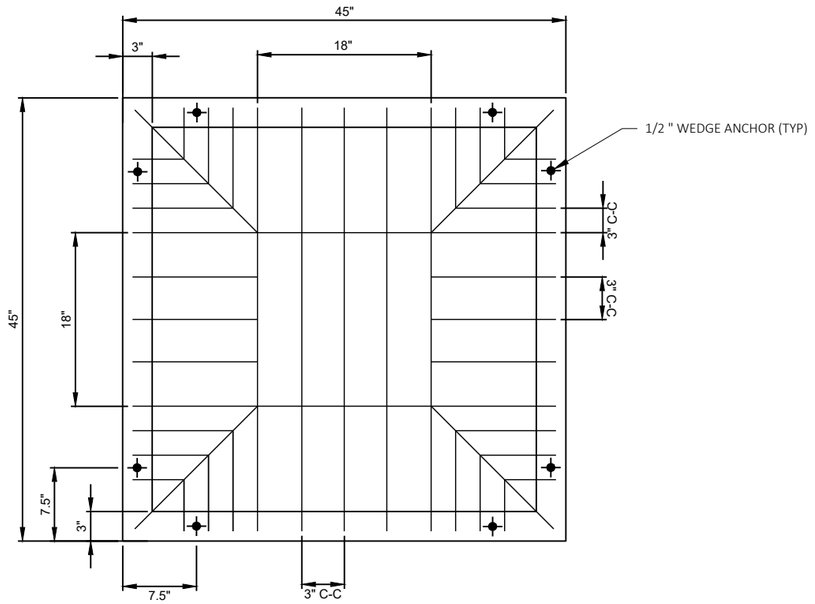
PLAN VIEW

FRONT VIEW

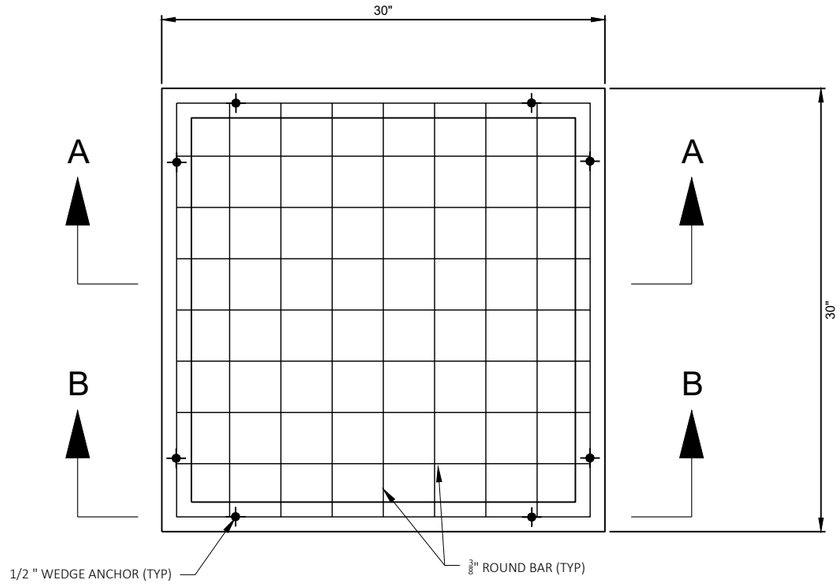


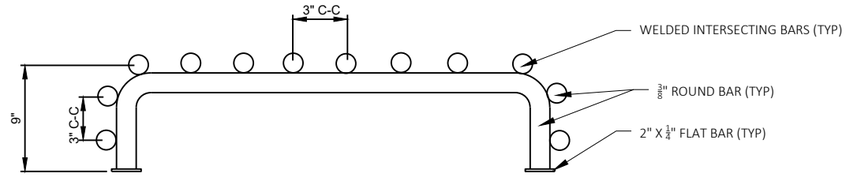
SIDE VIEW

POND OUTFALL STRUCTURE

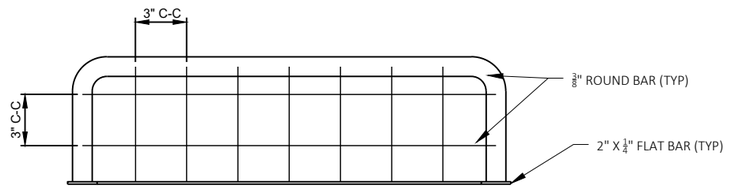


TOP TRASH RACK

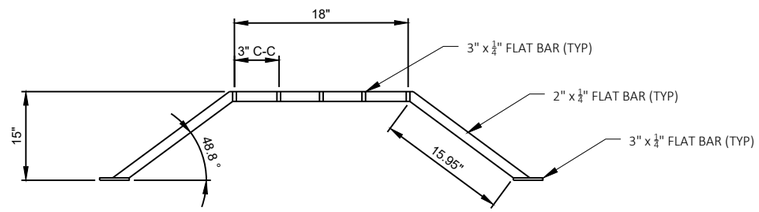




SECTION A-A



SECTION B-B



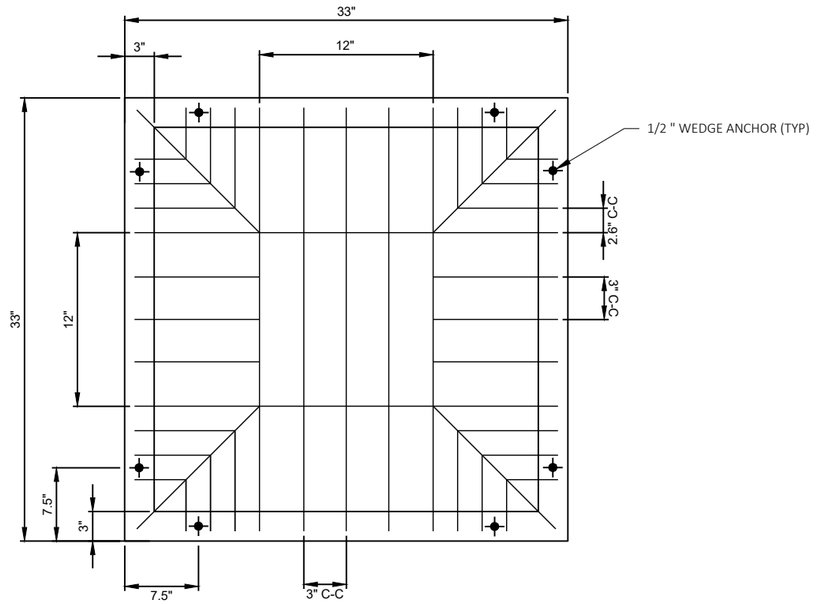
FRONT TRASH RACK

3' X 3' OUTLET STRUCTURE

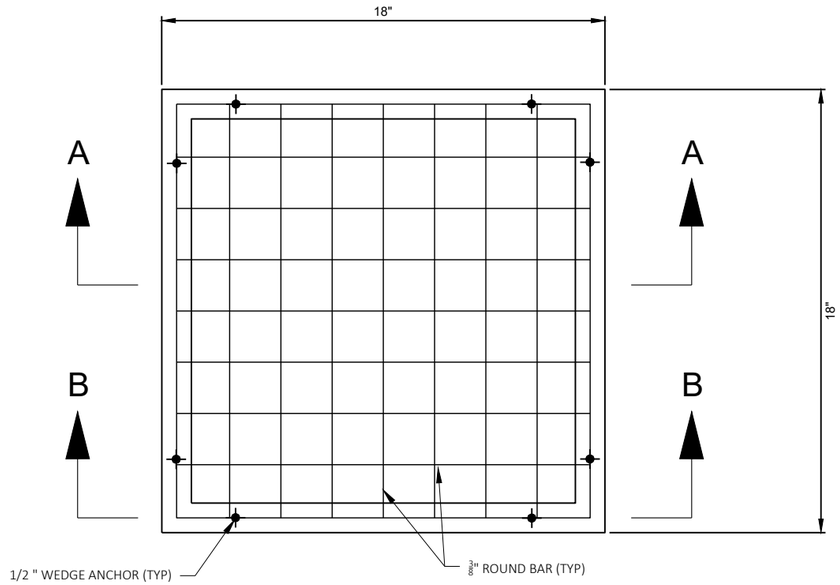
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CTH TS DETENTION POND - POND OUTFALL TRASH RACKS	SHEET 222	E

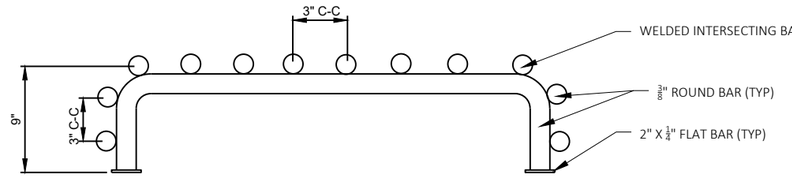
FILE NAME : I:\45\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022006-EC-CTH TS POND.DWG PLOT DATE : 4/27/2020 4:38 PM PLOT BY : SEIBERT, CHELSEA PLOT NAME :

WISDOT/CADDS SHEET 42

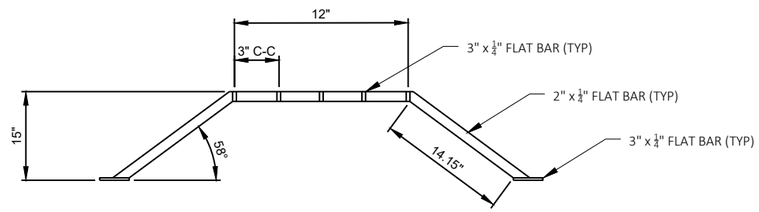


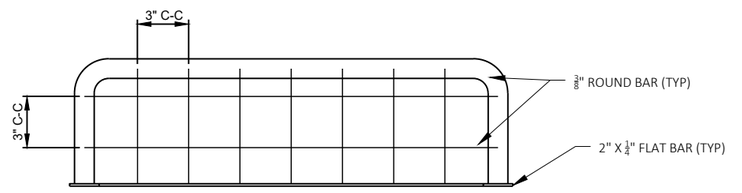
TOP TRASH RACK





SECTION A-A

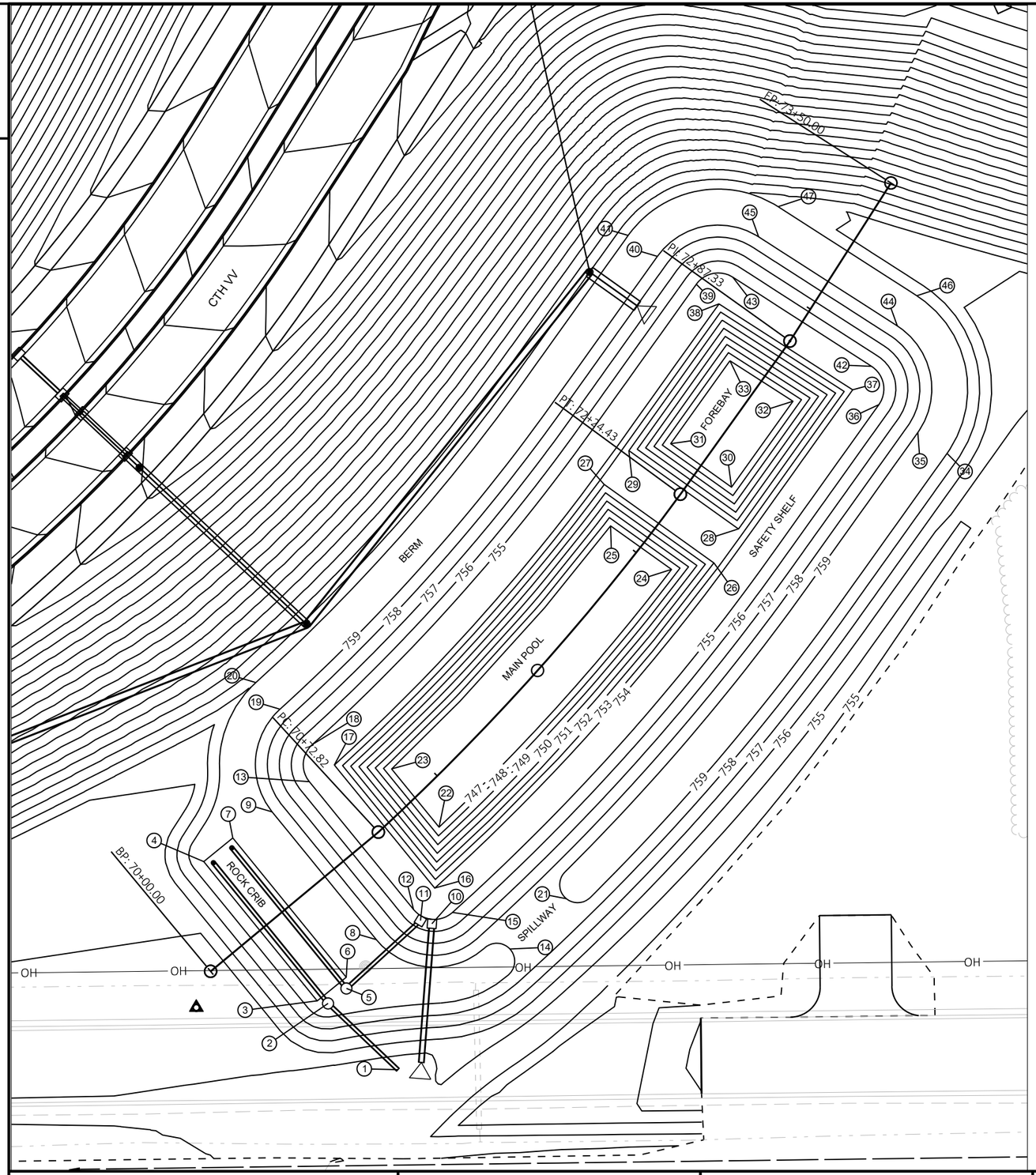


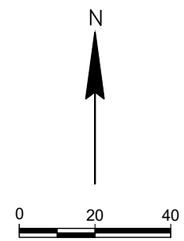


SECTION B-B

2' X 2' OUTLET STRUCTURE

FRONT TRASH RACK





POND STAKING TABLE	
POINT	STATION / OUT
1	70+27, 65.2'RT
2	70+23, 33.3'RT
3	70+21, 30.3'RT
4	70+22, 29.7'LT
5	70+31, 33.4'RT
6	70+34, 30.4'RT
7	70+34, 29.6'LT
8	70+49, 27.2'RT
9	70+50, 27.8'LT
10	70+67, 35.0'RT
11	70+65, 31.7'RT
12	70+65, 27.4'RT
13	70+66, 27.7'LT
14	70+78, 58.5'RT

POND STAKING TABLE	
POINT	STATION / OUT
15	70+73, 36.5'RT
16	70+74, 26.5'RT
17	70+77, 26.5'LT
18	70+77, 36.5'LT
19	70+77, 52.5'LT
20	70+77, 64.5'LT
21	71+02, 59.5'RT
22	70+89, 12.7'RT
23	70+91, 12.3'LT
24	72+03, 12.7'RT
25	72+02, 12.3'RT
26	72+13, 22.6'RT
27	72+12, 22.4'LT
28	72+26, 22.5'RT

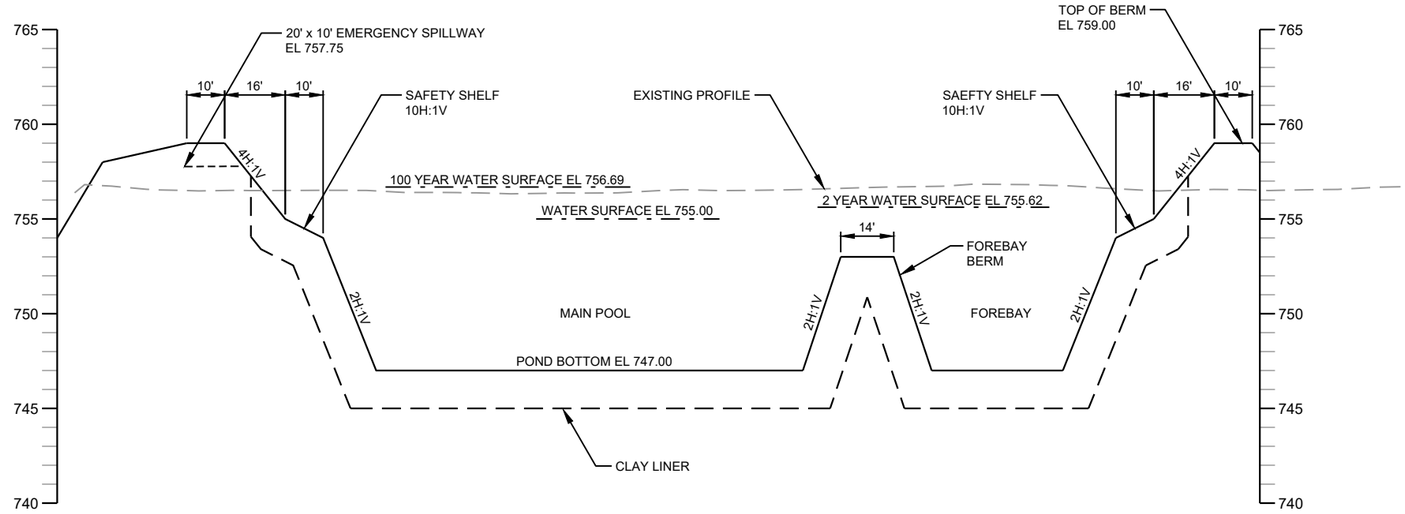
POND STAKING TABLE	
POINT	STATION / OUT
29	72+26, 22.5'LT
30	72+36, 12.5'RT
31	72+36, 12.5'LT
32	72+72, 12.5'RT
33	72+70, 12.5'LT
34	72+87, 64.5'RT
35	72+87, 52.5'RT
36	72+87, 36.5'RT
37	72+86, 26.5'RT
38	72+84, 26.5'LT
39	72+85, 36.5'LT
40	72+85, 52.5'LT
41	72+85, 64.5'LT
42	72+95, 27.5'RT

POND STAKING TABLE	
POINT	STATION / OUT
43	72+95, 27.5'LT
44	73+11, 27.5'RT
45	73+11, 27.5'LT
46	73+23, 27.5'RT
47	72+23, 27.5'LT

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CTH VV DETENTION POND - PLAN	SHEET	E

FILE NAME : I:\45\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022007-EC-CTH VV POND.DWG PLOT DATE : 4/27/2020 4:41 PM PLOT BY : SEIBERT, CHELSEA PLOT NAME :

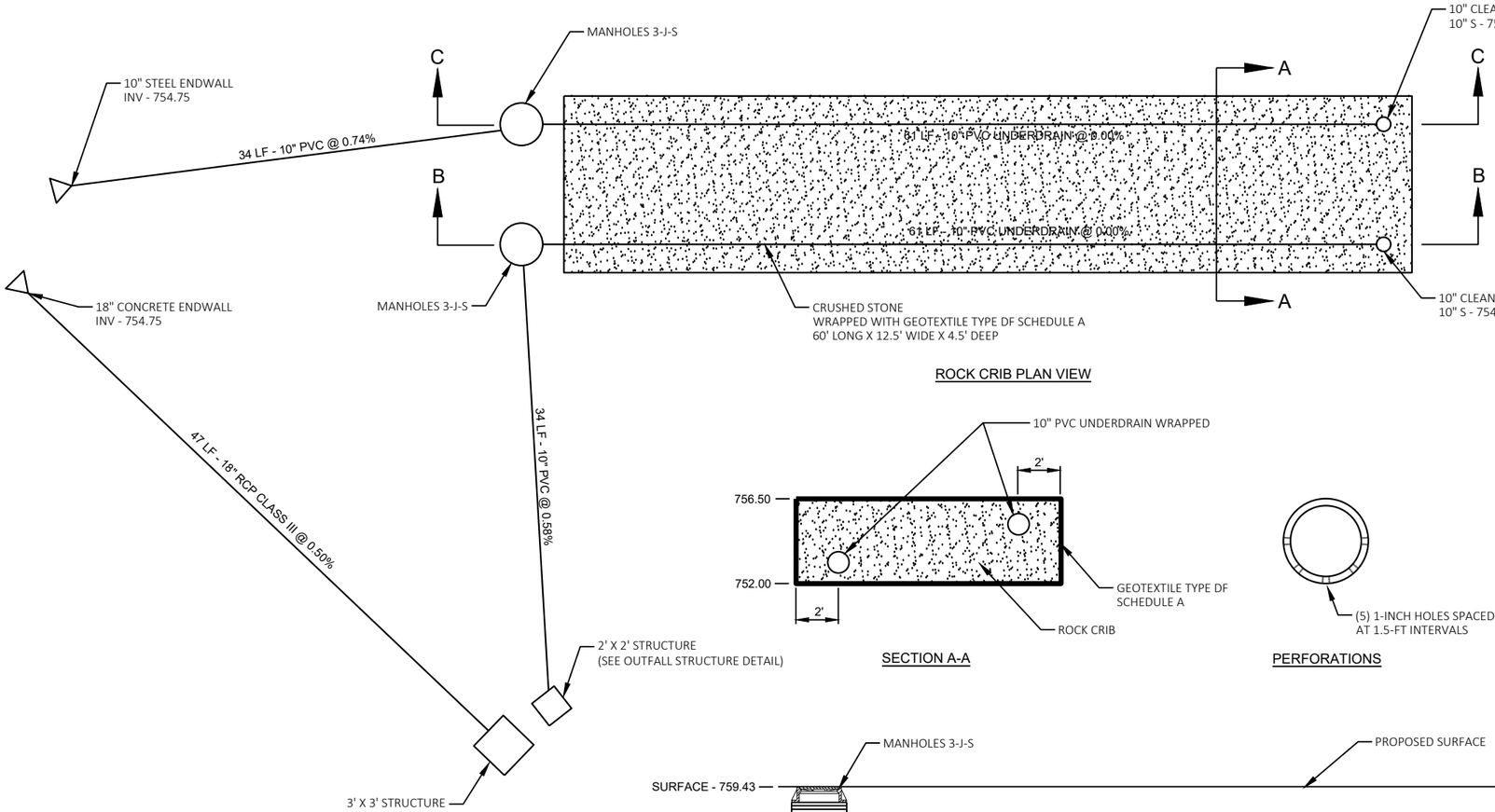
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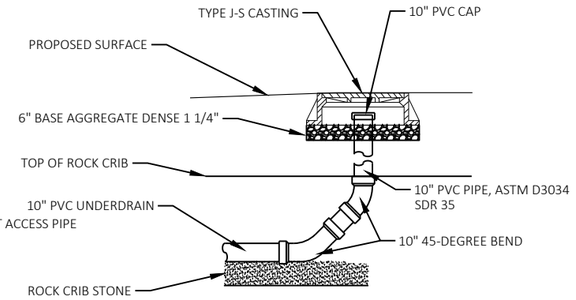
TYPICAL SECTION
CTH VV DETENTION POND

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CTH VV DETENTION POND - SECTION	SHEET 225	E

2



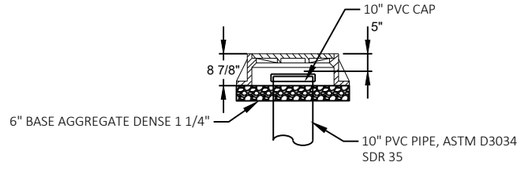
ROCK CRIB PLAN VIEW



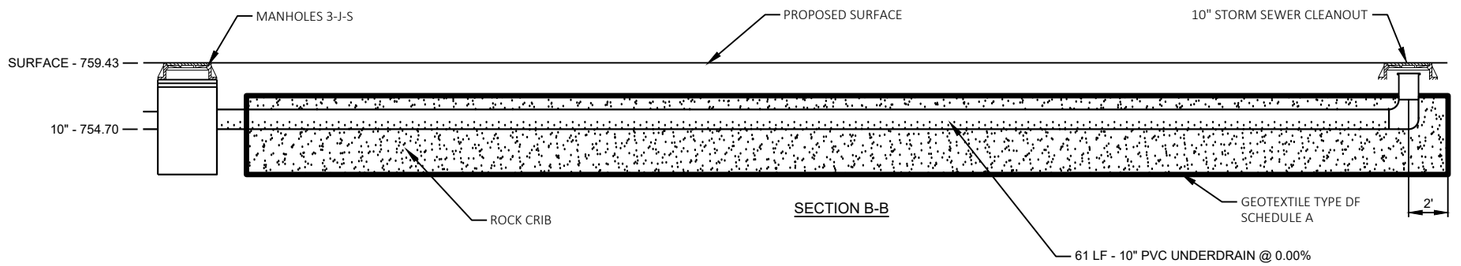
SECTION

SECTION A-A

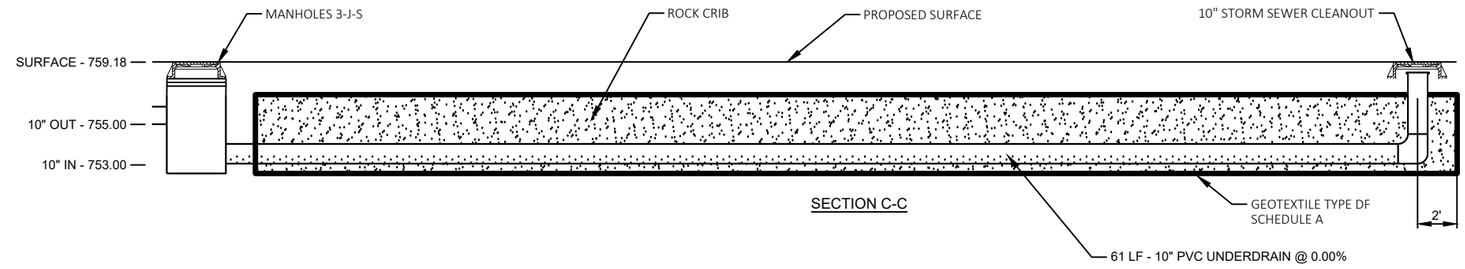
PERFORATIONS



STORM SEWER CLEANOUT

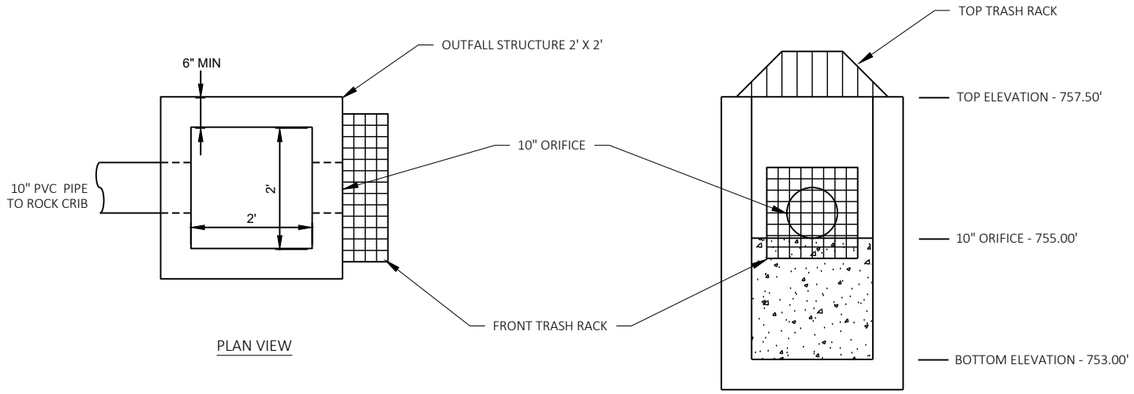


SECTION B-B



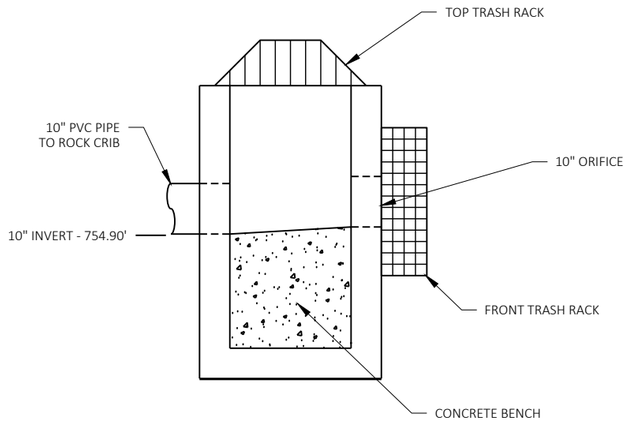
SECTION C-C

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CTH VV DETENTION POND - OUTFALL STRUCTURES AND ROCK CRIB DETAILS	SHEET 226	E



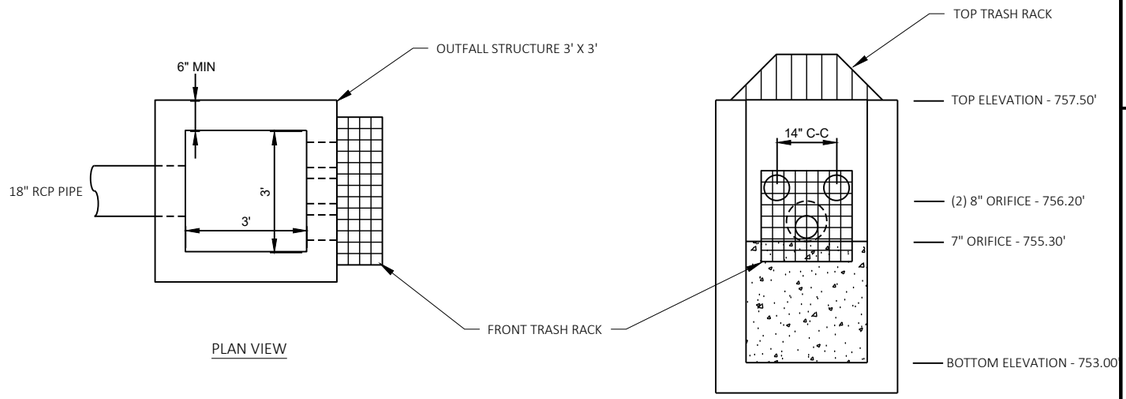
PLAN VIEW

FRONT VIEW



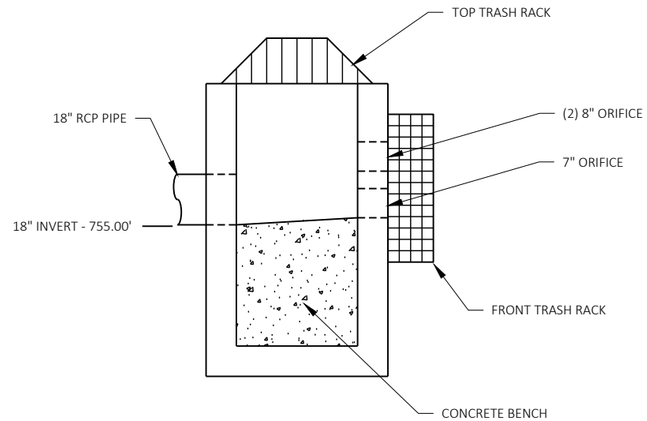
SIDE VIEW

ROCK CRIB POND OUTFALL STRUCTURE



PLAN VIEW

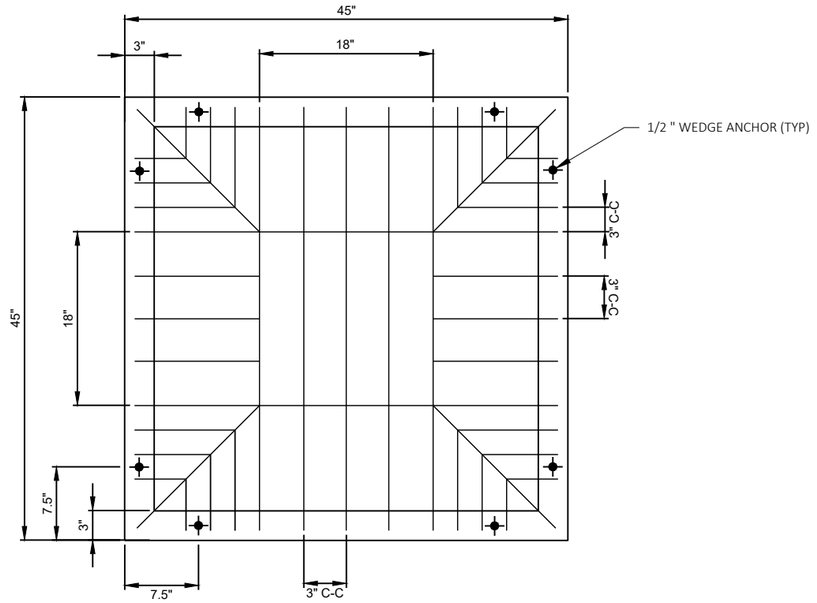
FRONT VIEW



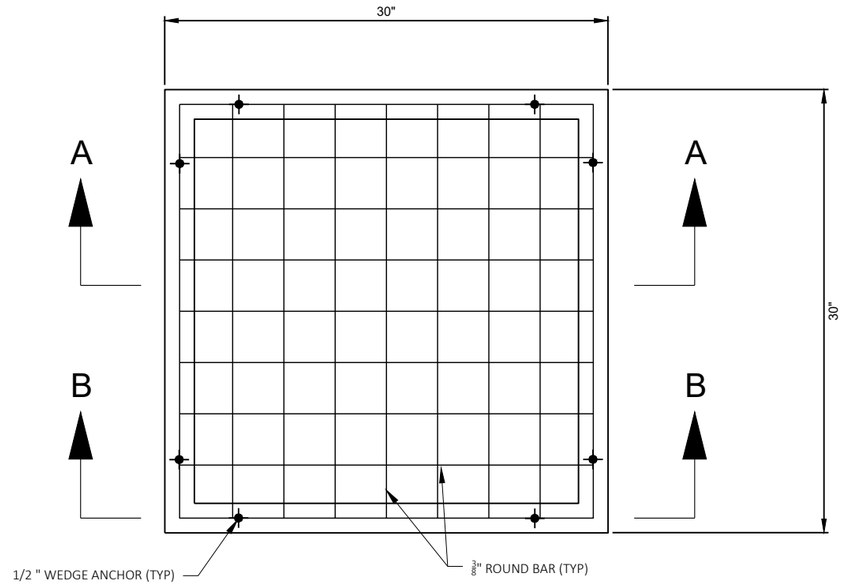
SIDE VIEW

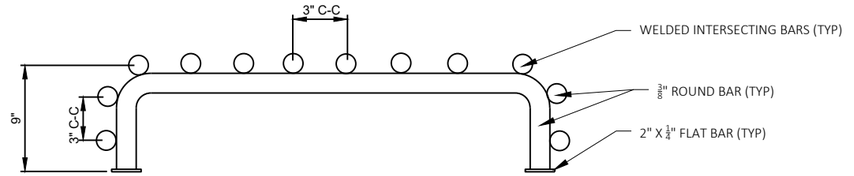
POND OUTFALL STRUCTURE

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CTH VV DETENTION POND - OUTFALL STRUCTURE DETAILS	SHEET 227	E

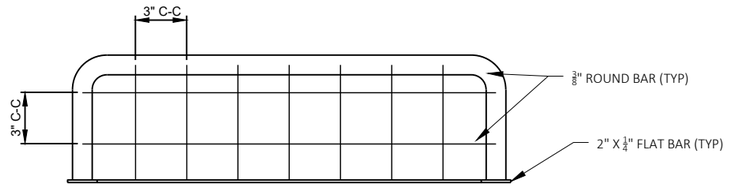


TOP TRASH RACK

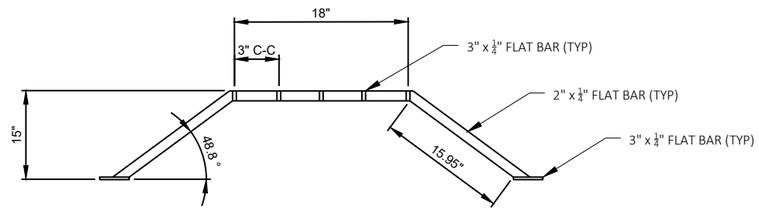




SECTION A-A



SECTION B-B

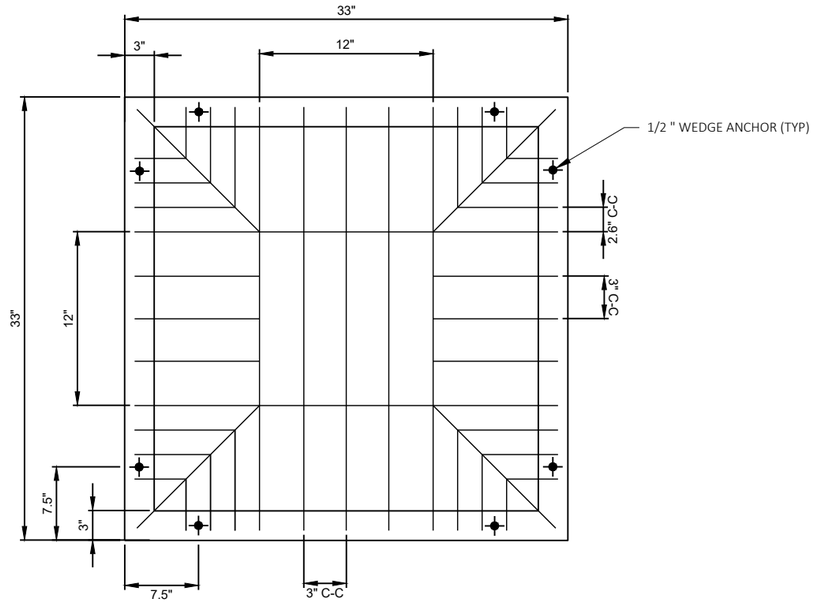


FRONT TRASH RACK

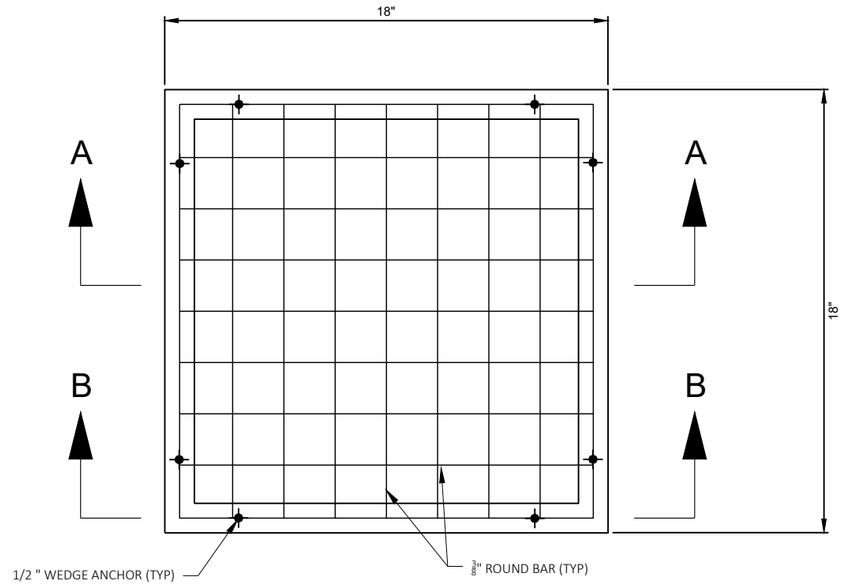
3' X 3' OUTLET STRUCTURE

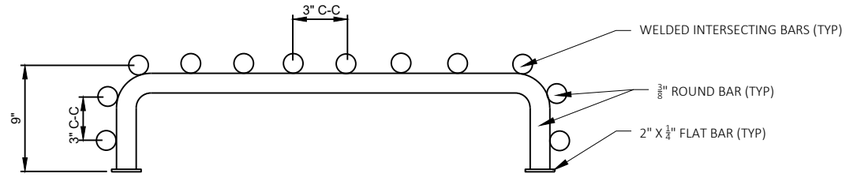
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CTH VV DETENTION POND - POND OUTFALL TRASH RACKS	SHEET 228	E

FILE NAME : I:\45\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022007-EC-CTH VV POND.DWG PLOT DATE : 4/27/2020 4:41 PM PLOT BY : SEIBERT, CHELSEA PLOT NAME :

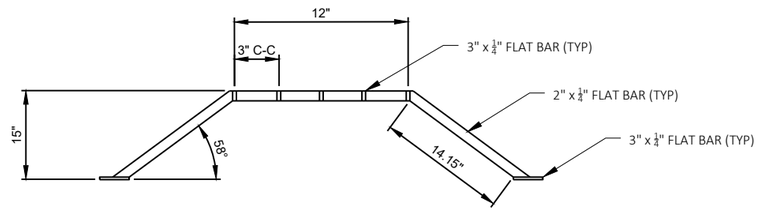


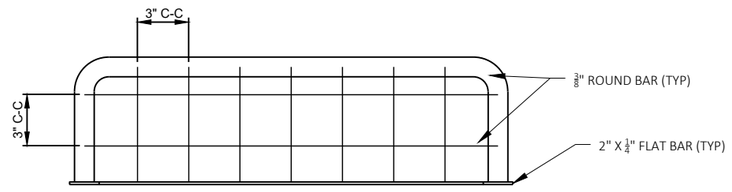
TOP TRASH RACK





SECTION A-A





SECTION B-B

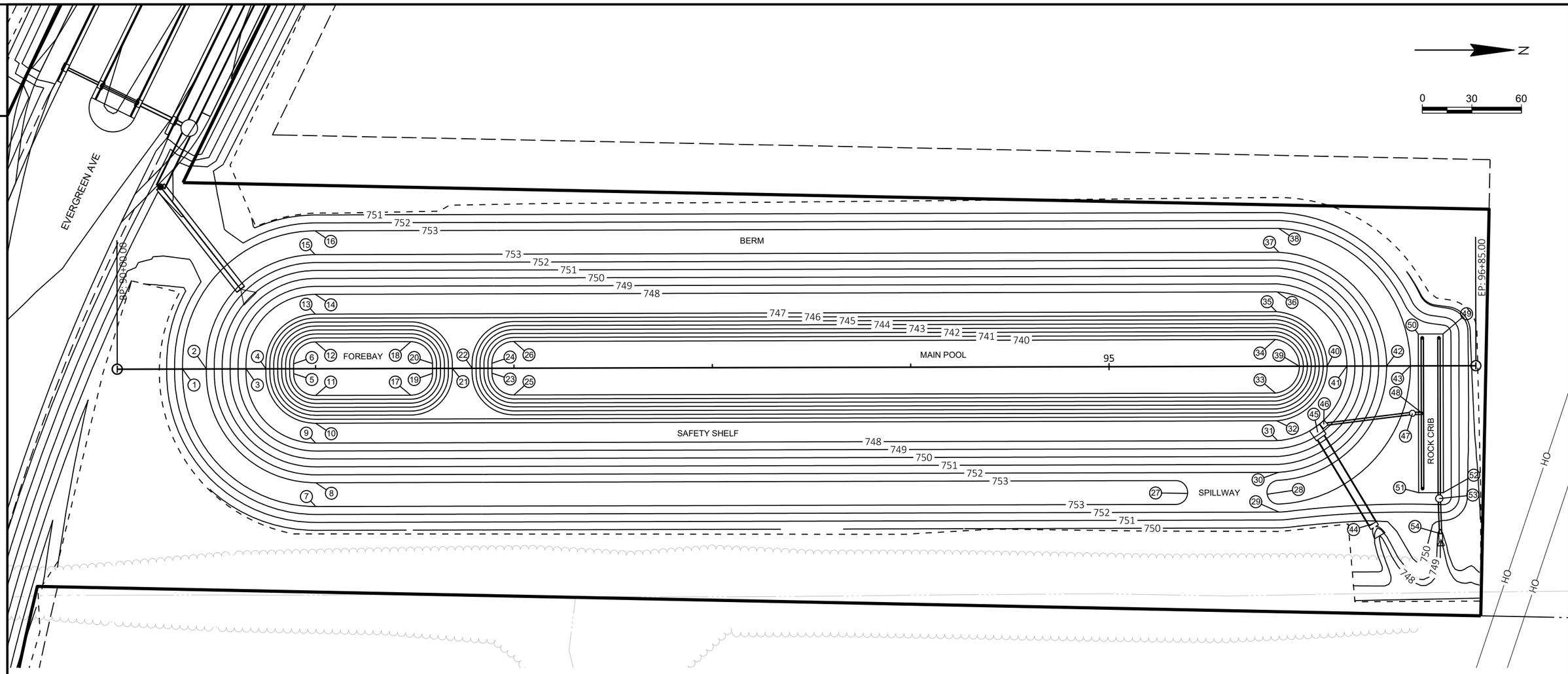
2' X 2' OUTLET STRUCTURE

FRONT TRASH RACK

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CTH VV DETENTION POND - ROCK CRIB OUTFALL TRASH RACKS	SHEET 229	E

FILE NAME : I:\45\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022007-EC-CTH VV POND.DWG PLOT DATE : 4/27/2020 4:41 PM PLOT BY : SEIBERT, CHELSEA PLOT NAME :

WISDOT/CADDS SHEET 42



POND STAKING TABLE	
POINT	STATION / OUT
1	90+33, 0'
2	90+45, 0'
3	90+65, 0'
4	90+75, 0'
5	90+89, 2.5'RT
6	90+89, 2.5'LT
7	91+00, 69.5'RT
8	91+00, 57.5'RT
9	91+00, 37.5'RT
10	91+00, 27.5'RT
11	91+00, 13.5'RT
12	91+00, 13.5'LT
13	91+00, 27.5'LT
14	91+00, 37.5'LT

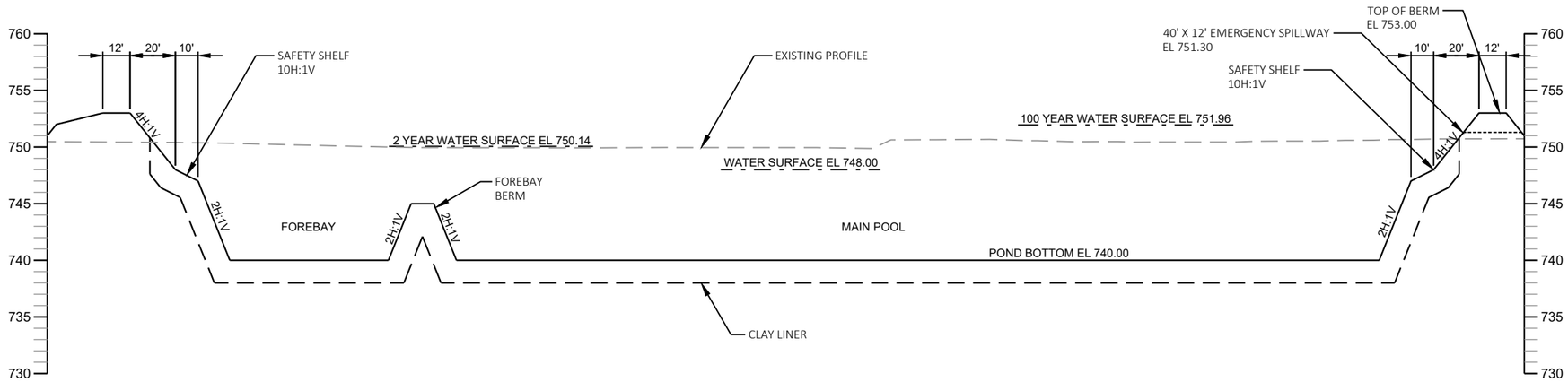
POND STAKING TABLE	
POINT	STATION / OUT
15	91+00, 57.5'LT
16	91+00, 69.5'LT
17	91+48, 13.5'RT
18	91+48, 13.5'LT
19	91+59, 2.5'RT
20	91+59, 2.5'LT
21	91+69, 0'
22	91+79, 0'
23	91+89, 2.5'RT
24	91+89, 2.5'LT
25	92+00, 13.5'RT
26	92+00, 13.5'LT
27	95+40, 63.5'RT
28	95+80, 63.5'RT

POND STAKING TABLE	
POINT	STATION / OUT
29	95+86, 73.5'RT
30	95+85, 53.5'RT
31	95+85, 37.5'RT
32	95+85, 27.5'RT
33	95+84, 13.5'RT
34	95+84, 13.5'LT
35	95+85, 27.5'LT
36	95+85, 37.5'LT
37	95+86, 57.5'LT
38	95+86, 69.5'LT
39	95+96, 0'
40	96+10, 0'
41	96+20, 0'
42	96+40, 0'

POND STAKING TABLE	
POINT	STATION / OUT
43	96+52, 0'
44	96+33, 79.5'RT
45	96+05, 33.5'RT
46	96+08, 29.5'RT
47	96+53, 24'RT
48	96+58, 24'RT
49	96+68.5, 16'LT
50	96+56, 16'LT
51	96+56, 64'RT
52	96+68.5, 64'RT
53	96+66, 67'RT
54	96+67, 85'RT

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	EVERGREEN AVENUE DETENTION POND - PLAN	SHEET 230	E

2

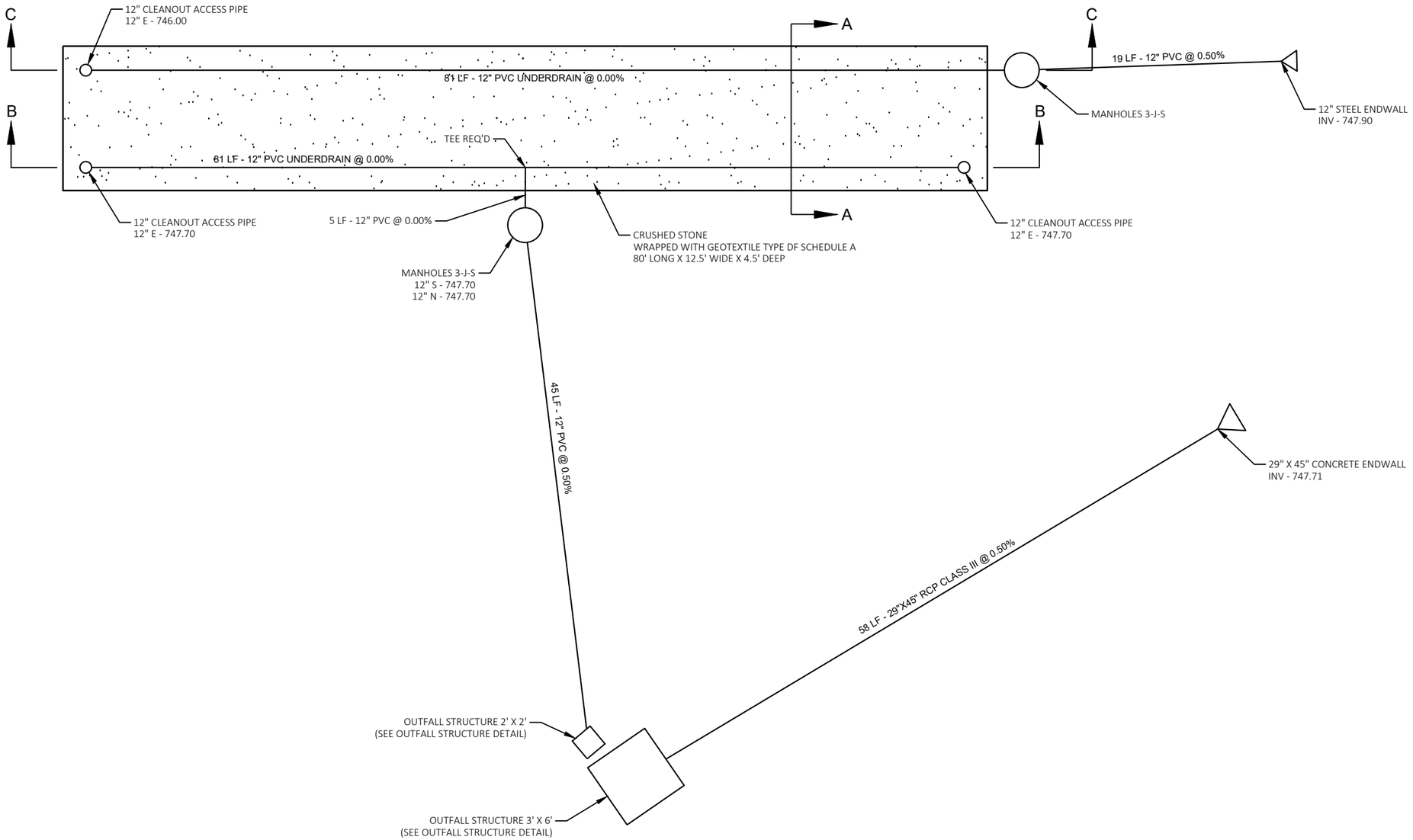


TYPICAL SECTION
EVERGREEN AVENUE DETENTION POND

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	EVERGREEN AVENUE DETENTION POND - SECTION	SHEET 231	E

FILE NAME : I:\45\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022008-EC-EVERGREEN POND.DWG PLOT DATE : 4/27/2020 4:42 PM PLOT BY : SEIBERT, CHELSEA PLOT NAME :

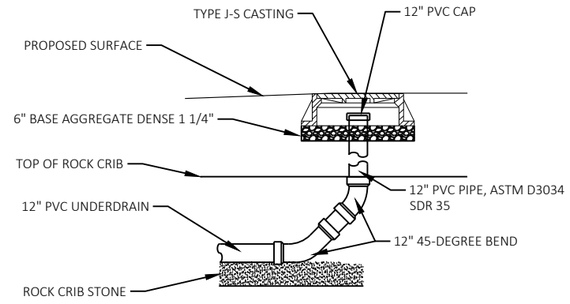
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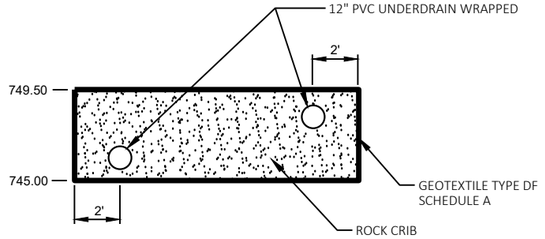
ROCK CRIB PLAN VIEW

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	EVERGREEN AVENUE DETENTION POND - OUTFALL STRUCTURES AND ROCK CRIB	SHEET 232	E

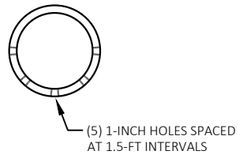
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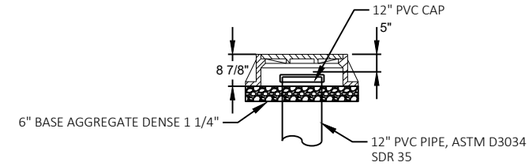
SECTION



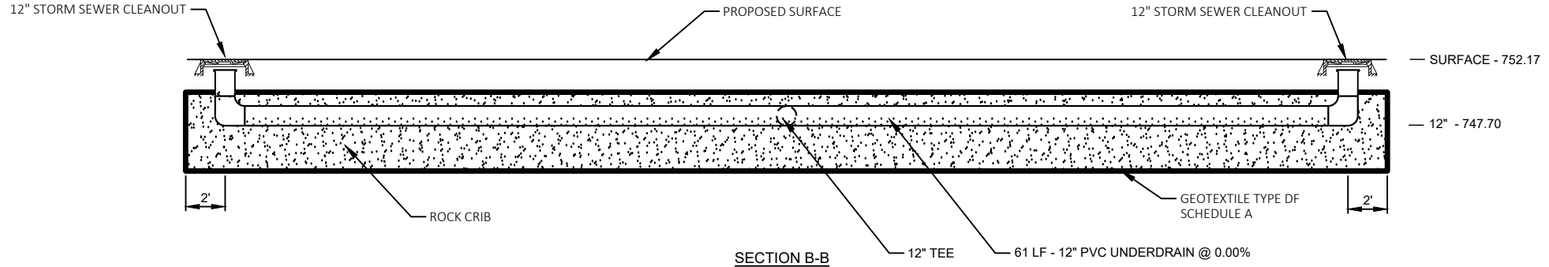
SECTION A-A



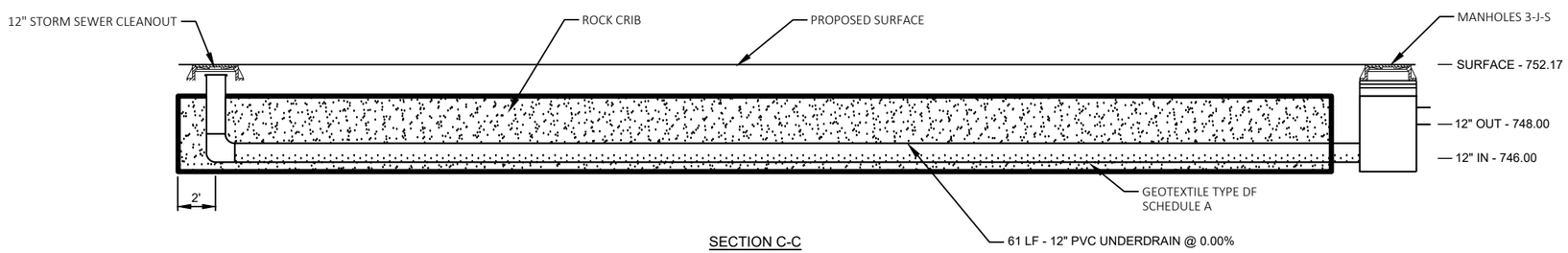
PERFORATIONS



STORM SEWER CLEANOUT

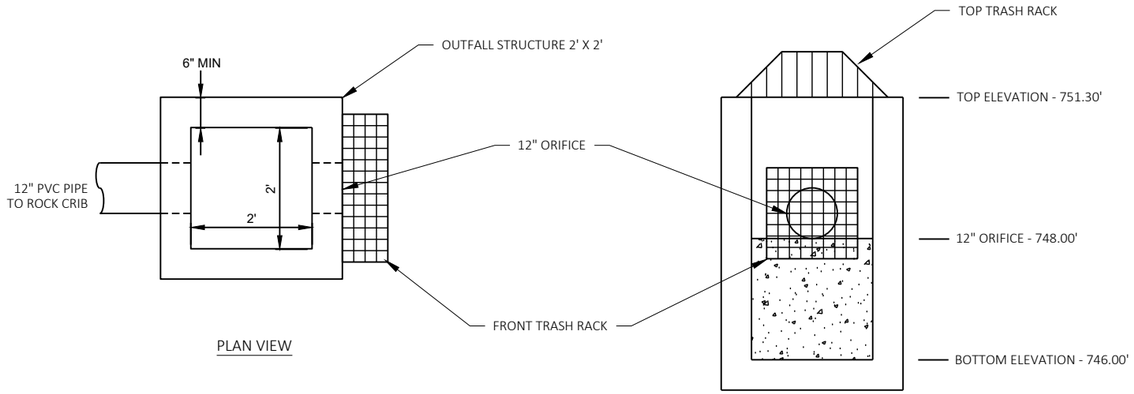


SECTION B-B



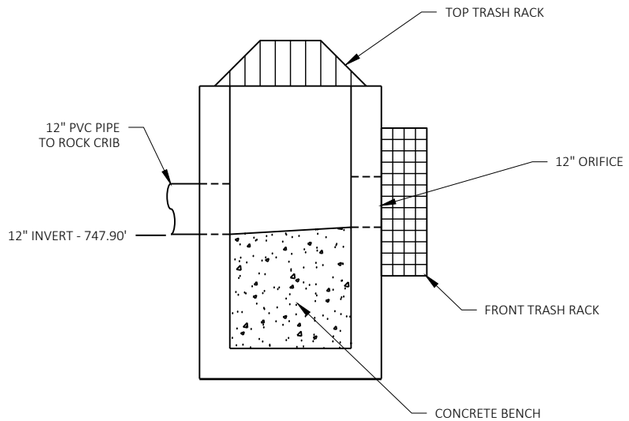
SECTION C-C

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	EVERGREEN AVENUE DETENTION POND - ROCK CRIB DETAILS	SHEET 233	E



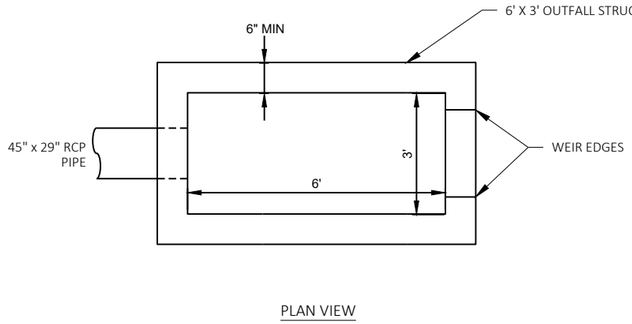
PLAN VIEW

FRONT VIEW

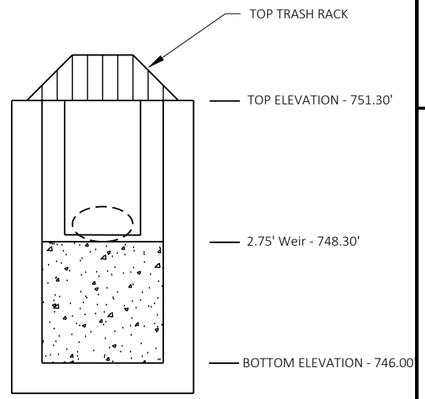


SIDE VIEW

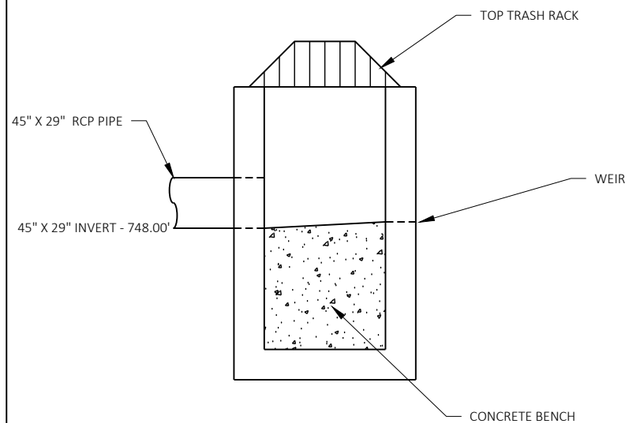
ROCK CRIB POND OUTFALL STRUCTURE



PLAN VIEW



FRONT VIEW

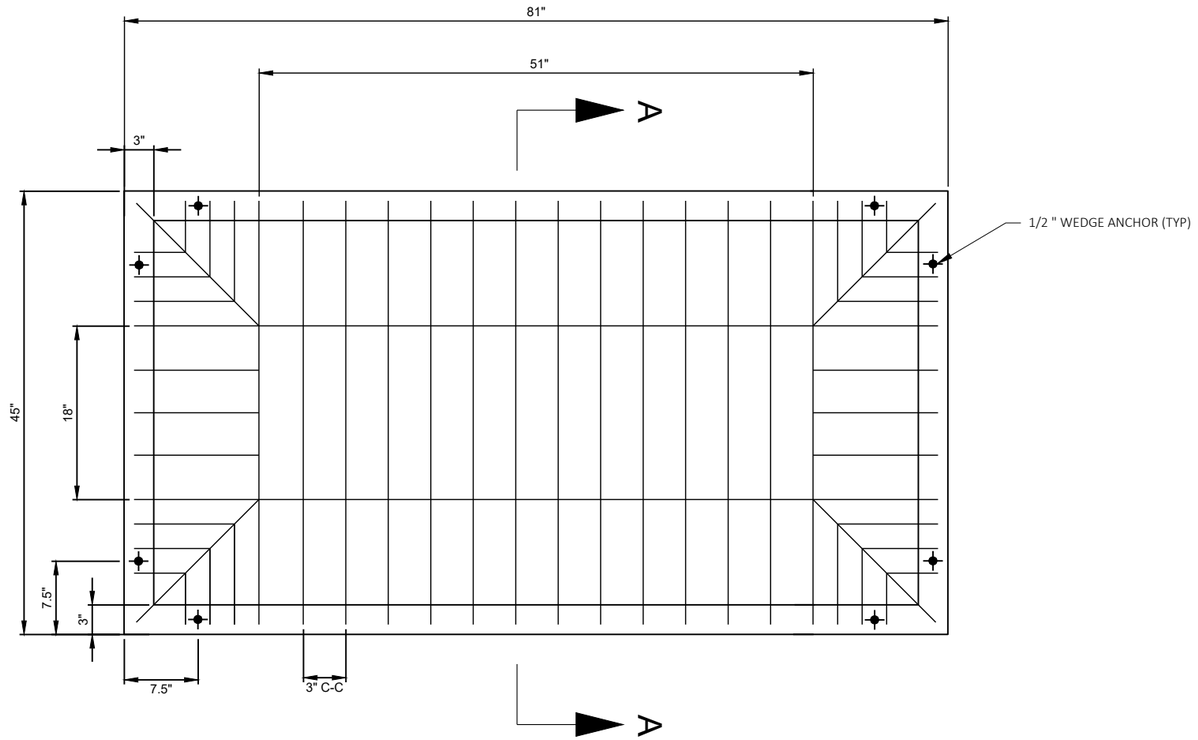


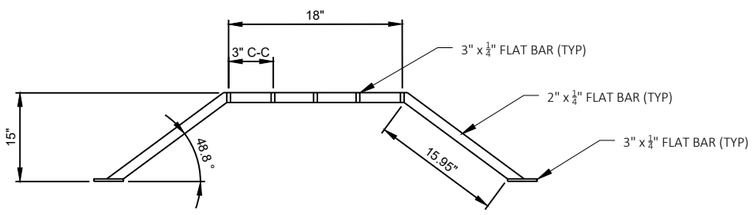
SIDE VIEW

POND OUTFALL STRUCTURE

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	EVERGREEN AVENUE DETENTION POND - POND AND ROCK CRIB OUTLET STRUCTURES	SHEET 234	E

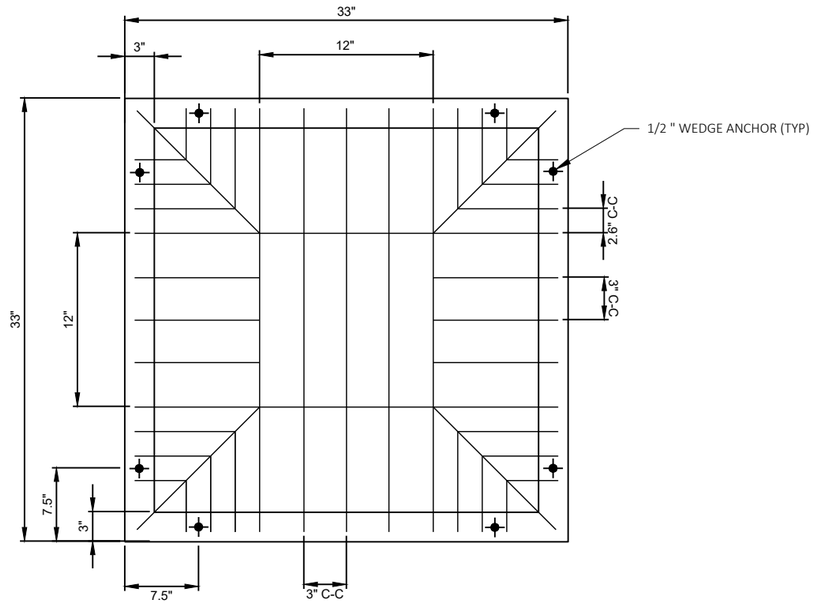
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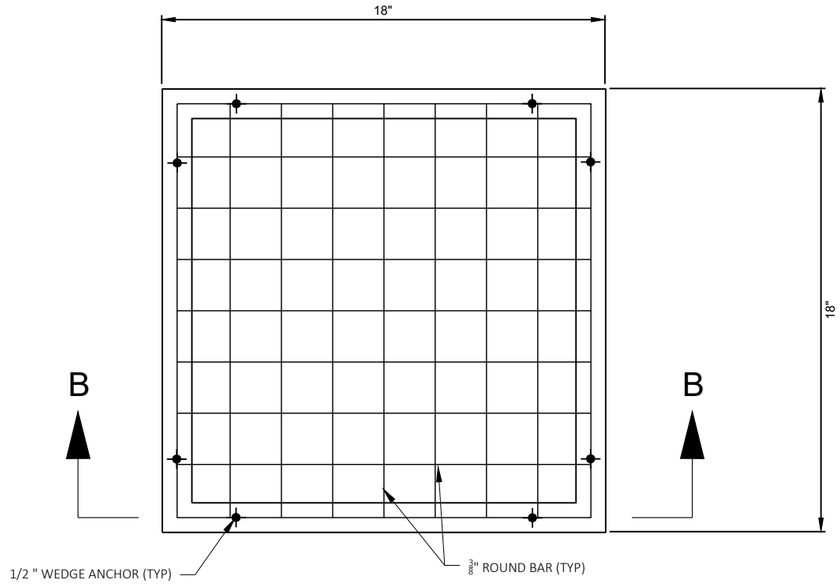


6' X 3' OUTLET STRUCTURE

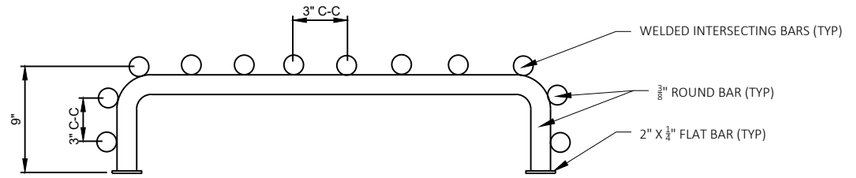
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	EVERGREEN AVENUE DETENTION POND - POND OUTFALL TRASH RACKS	SHEET 235	E



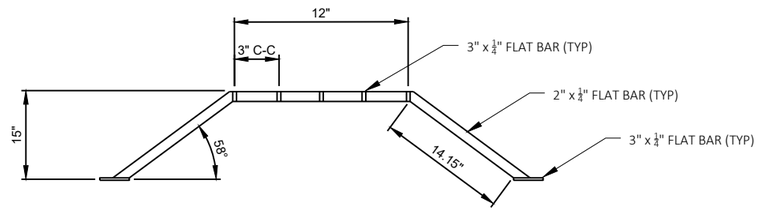
TOP TRASH RACK

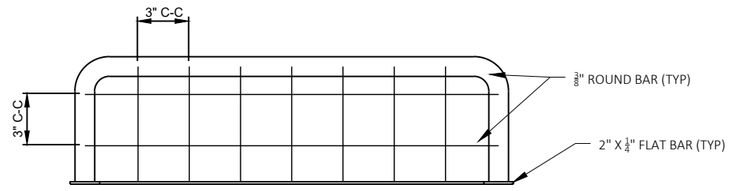


FRONT TRASH RACK



SECTION A-A





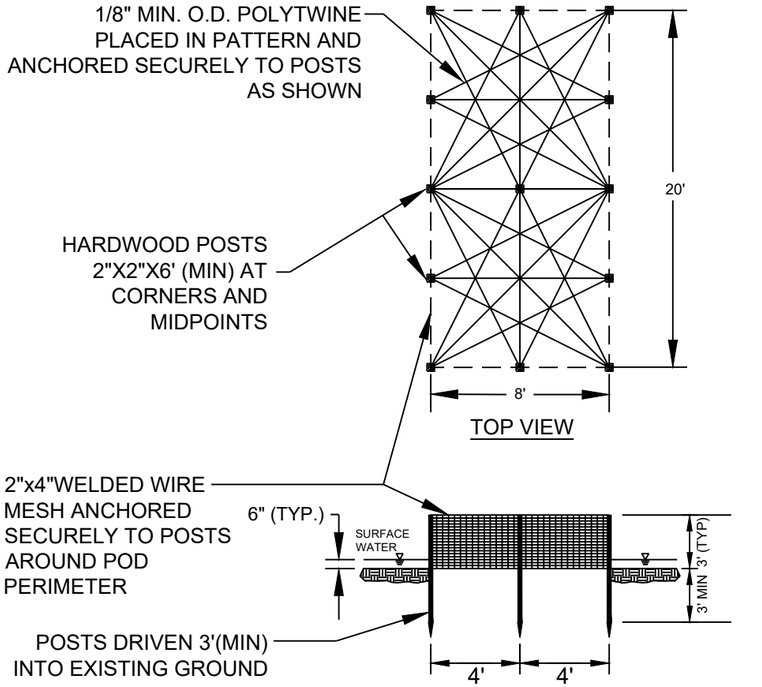
SECTION B-B

2' X 2' OUTLET STRUCTURE

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	EVERGREEN AVENUE DETENTION POND - ROCK CRIB OUTFALL TRASH RACKS	SHEET 236	E

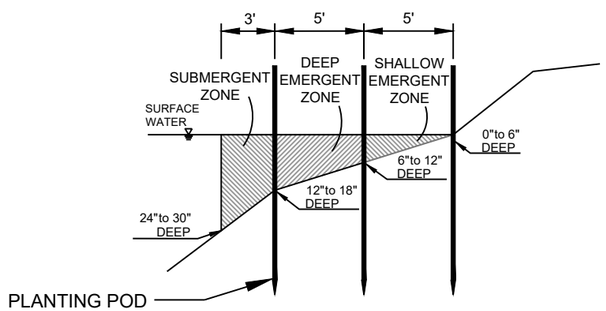
FILE NAME : I:\45\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022008-EC-EVERGREEN POND.DWG PLOT DATE : 4/27/2020 4:42 PM PLOT BY : SEIBERT, CHELSEA PLOT NAME :

PLANTING PODS

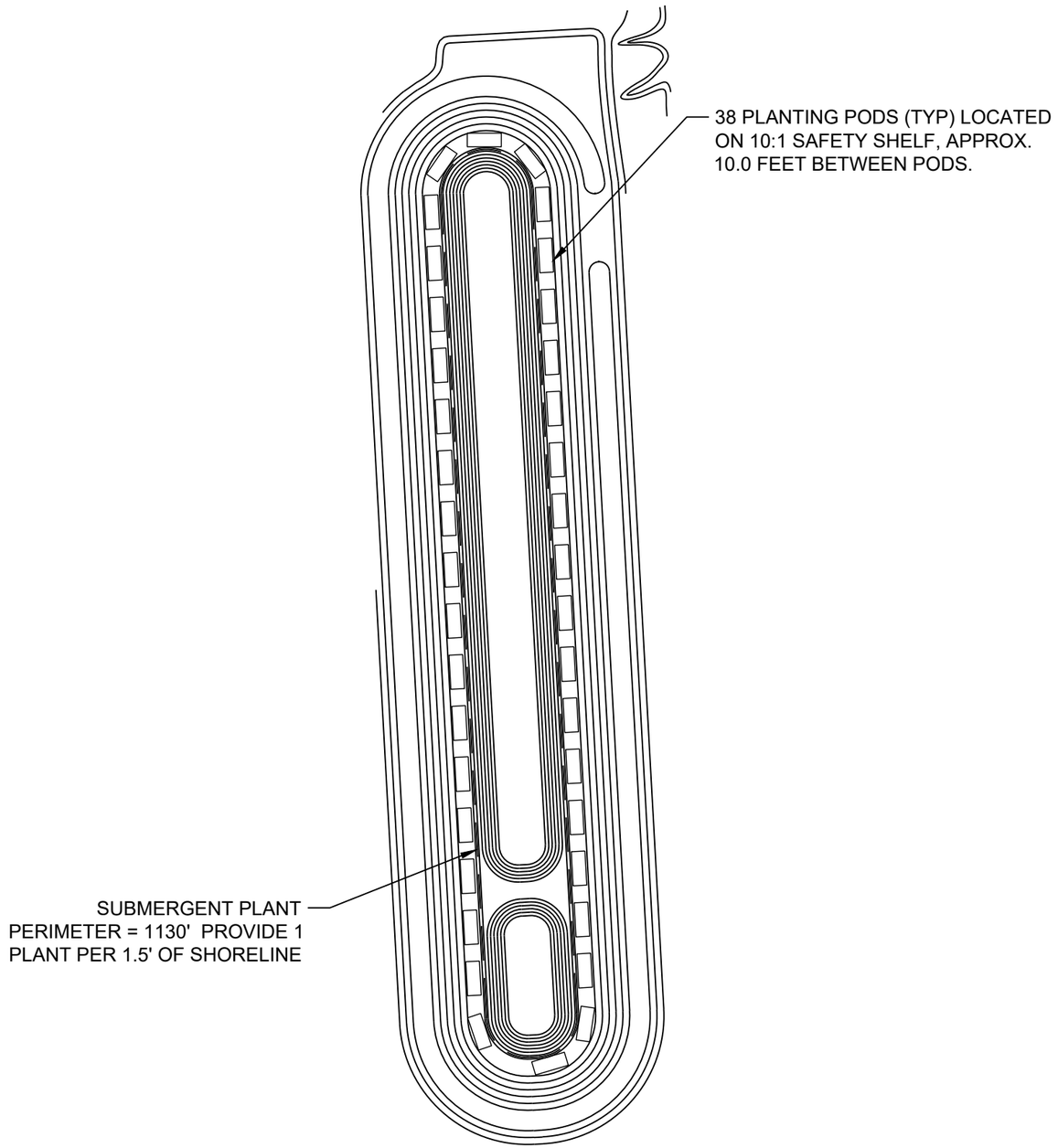


TOP VIEW

FRONT VIEW

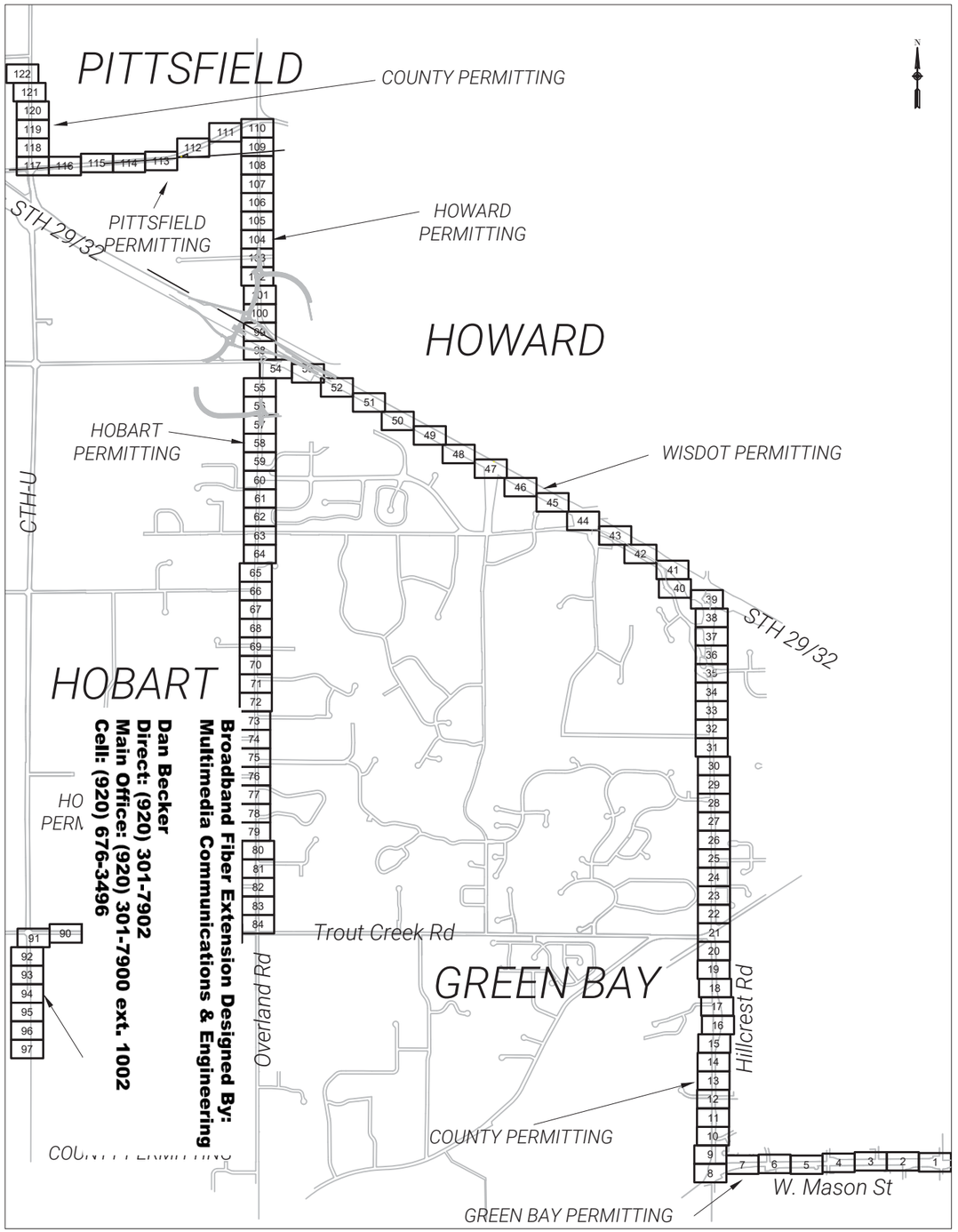


PLANTING ZONES



STATE TRUNK HIGHWAY 29-COUNTY HIGHWAY VV MULTIMODAL INTERCHANGE PROJECT - BROADBAND FIBER EXTENSION

2



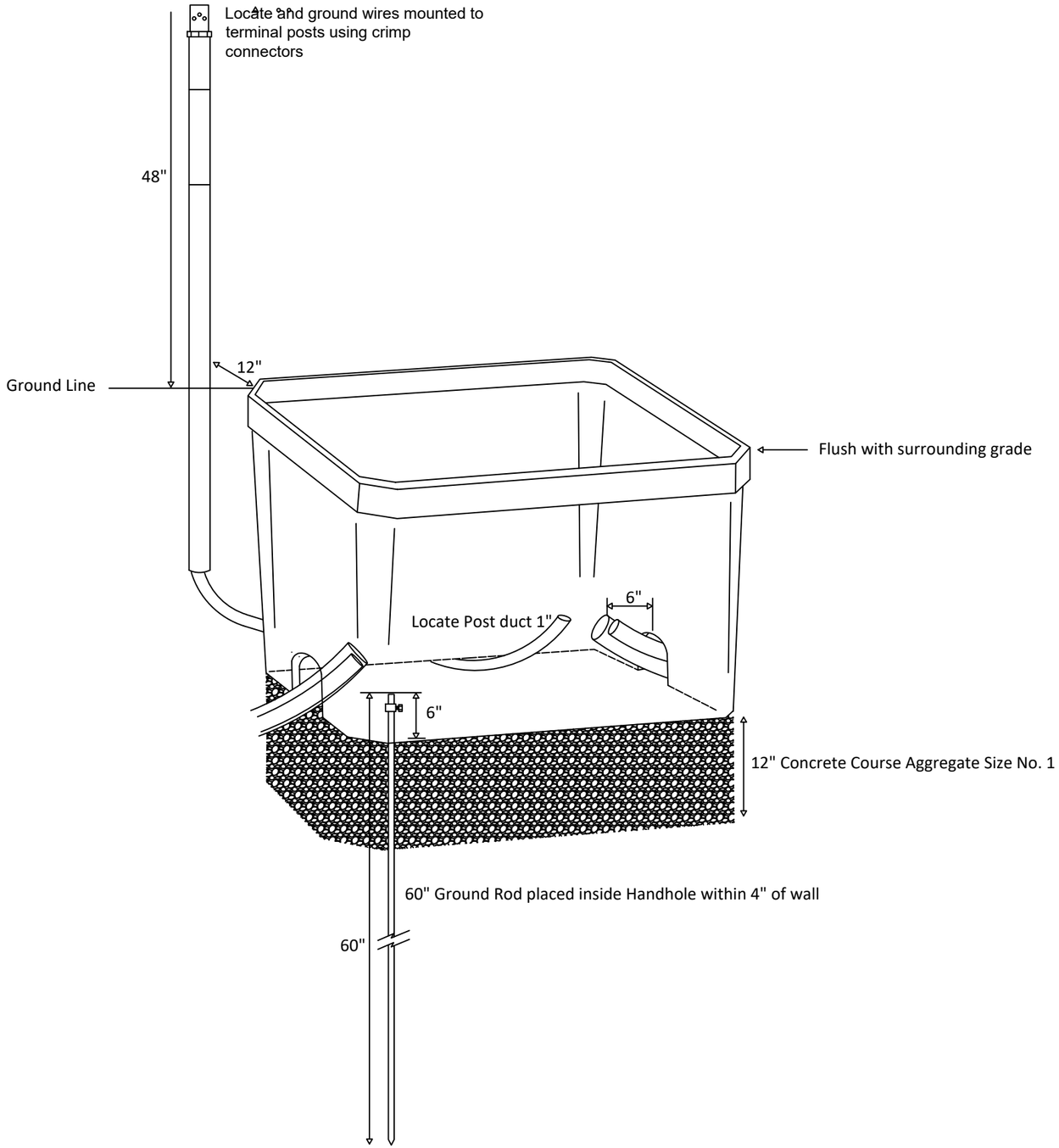
LEGEND

ATT	ATT FACILITIES
F.O.	FIBER OPTIC
G	GAS
TV	CABLE TV
T	TELEPHONE
W	WATER
E	ELECTRIC
S	STORM SEWER
SAN	SANITARY
	MANHOLE
	UTILITY POLE
	TRANSFORMER
	UTILITY PED
	EXISTING HANDHOLE
	WETLAND/WET DITCH
	NEW HANDHOLE
	NEW INSTALL – DIRECTIONAL BORE
	NEW INSTALL - PLOW

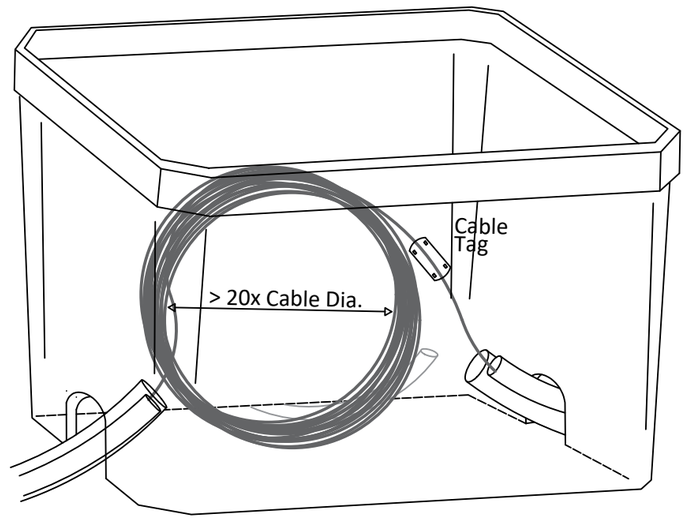
Broadband Fiber Extension Designed By:
Multimedia Communications & Engineering

Dan Becker
Direct: (920) 301-7902
Main Office: (920) 301-7900 ext. 1002
Cell: (920) 676-3496

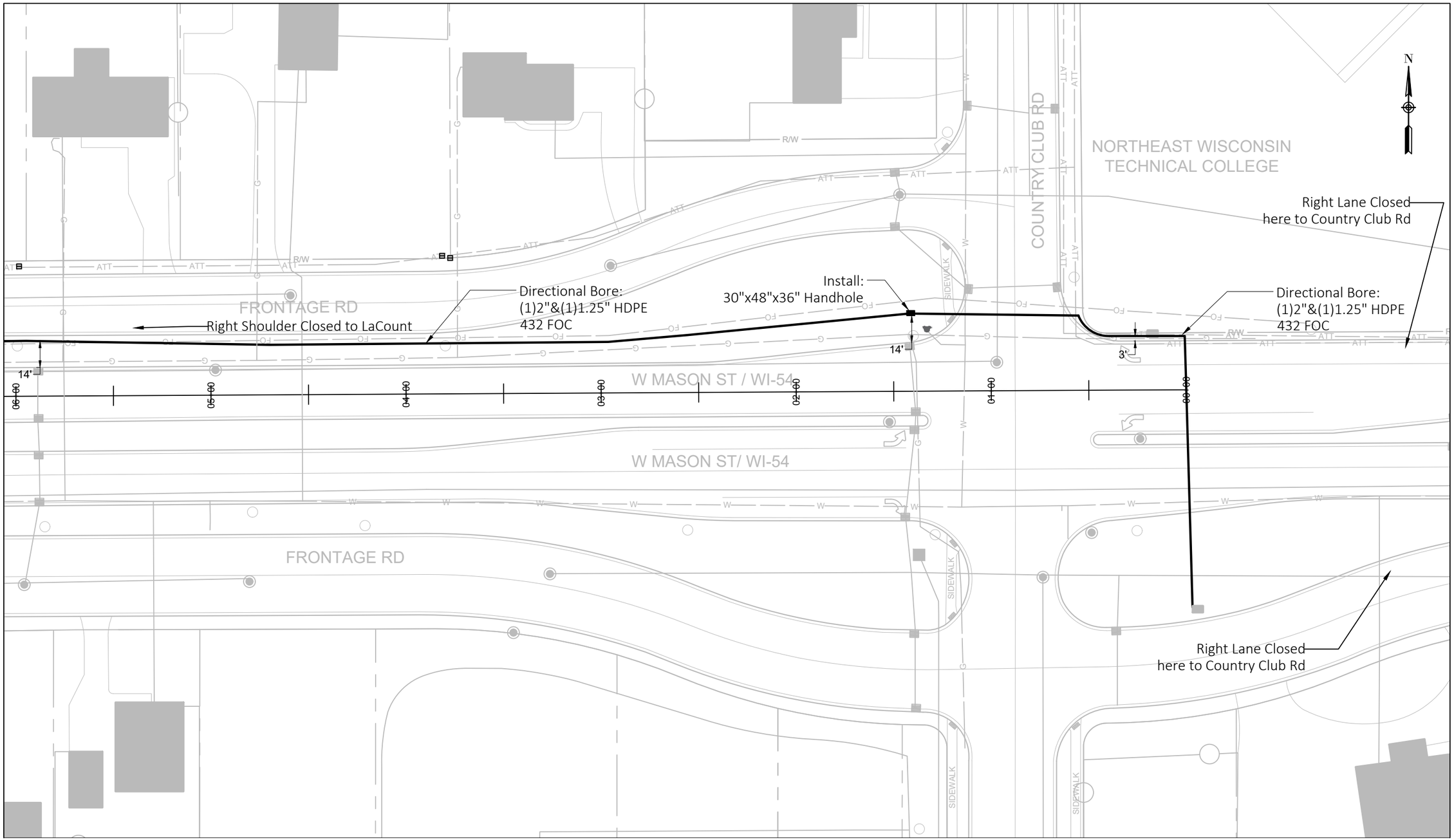
PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 238	E



TYPICAL HANDHOLE AND LOCATE POST PLACEMENT



TYPICAL EXPANSION LOOP PLACEMENT



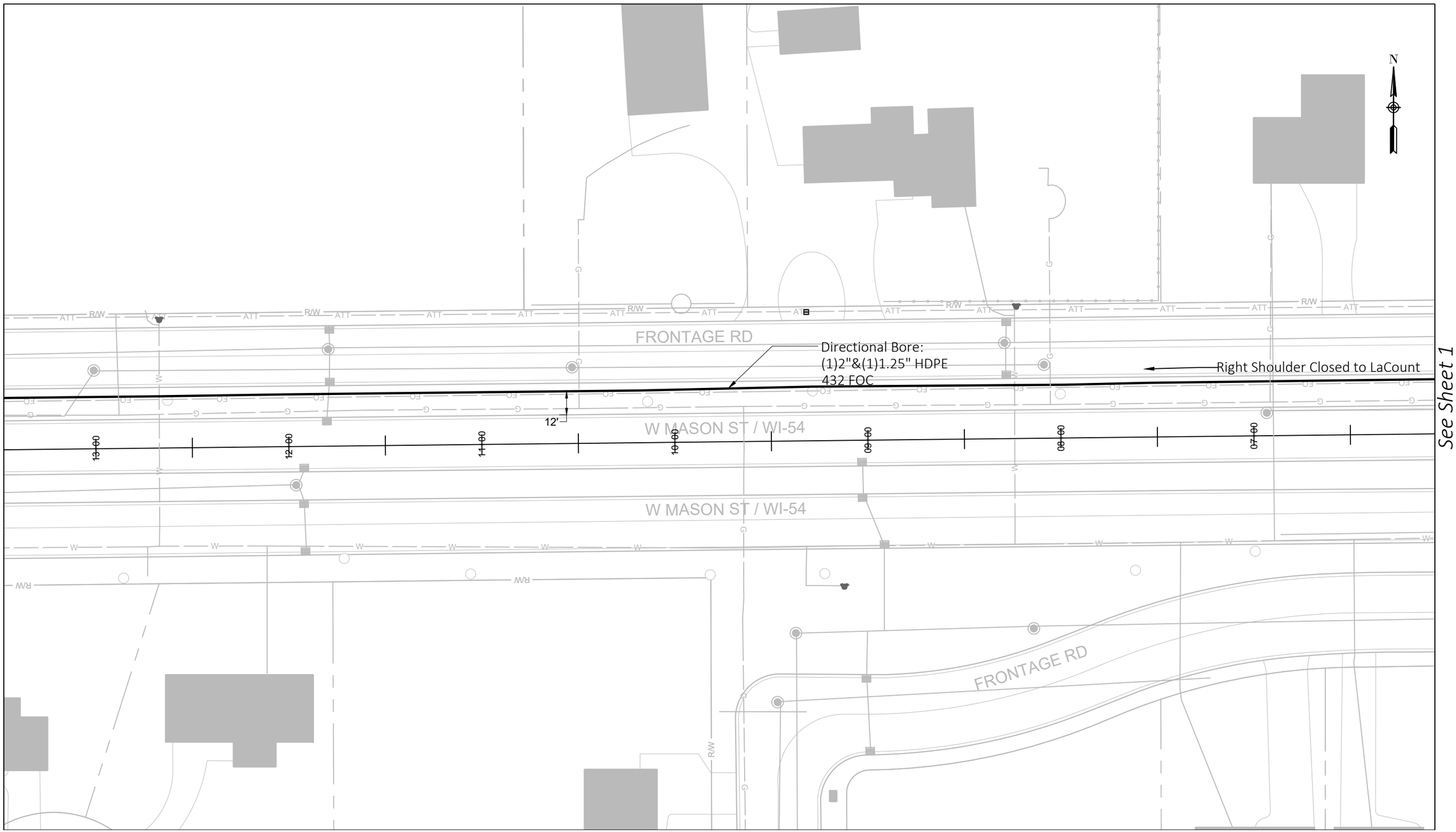
Estimated Quantities:

Directional Bore:	745'	Handhole Installation: 1	Store cable expansion in handhole: 200'
Plow:	0'	Place 432 FOC in duct: 745'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 240	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 01

PLOT DATE : 5/7/2020 2:54 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########

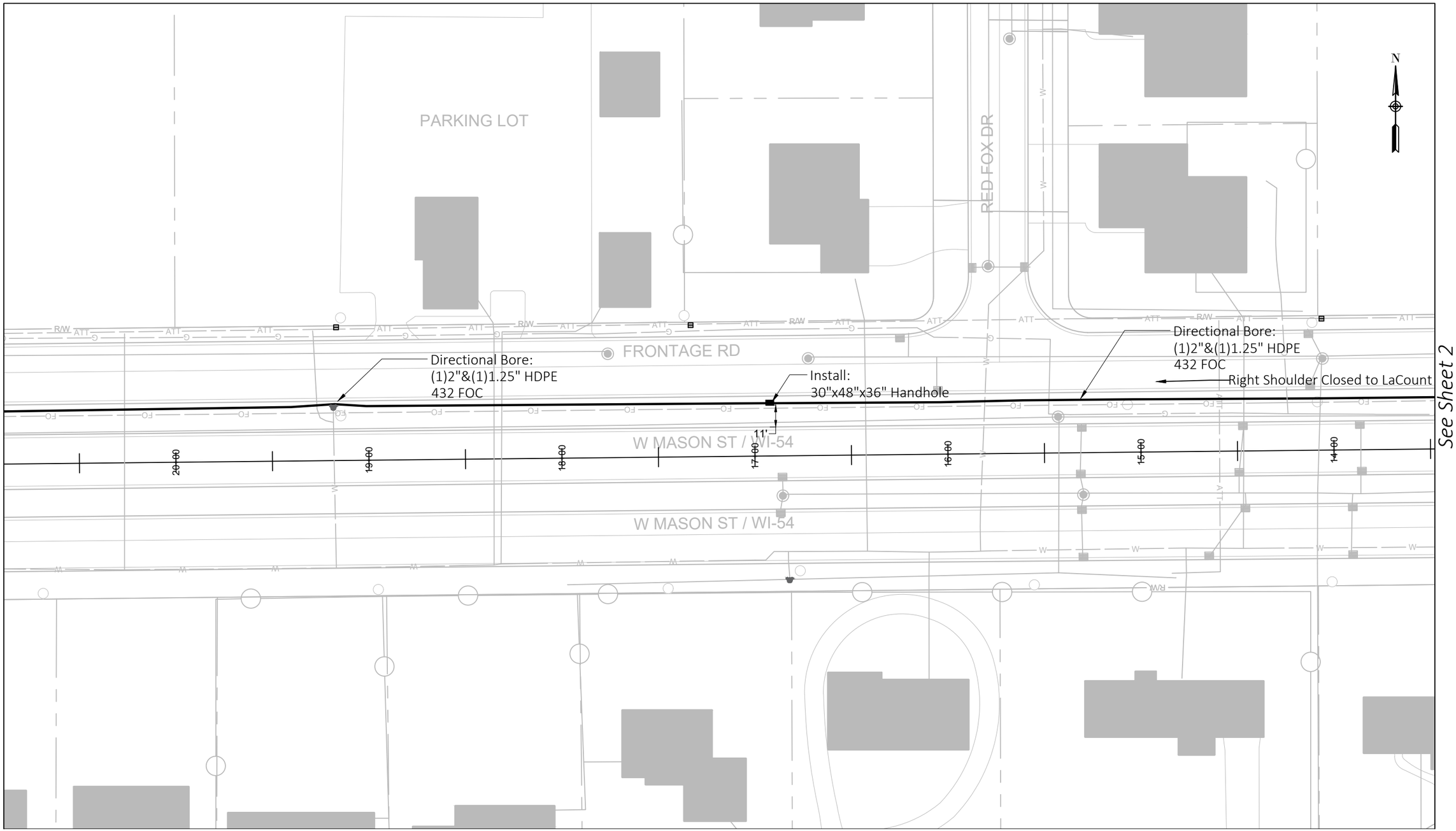


Estimated Quantities:

Directional Bore:	740'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 740'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 241	E

03



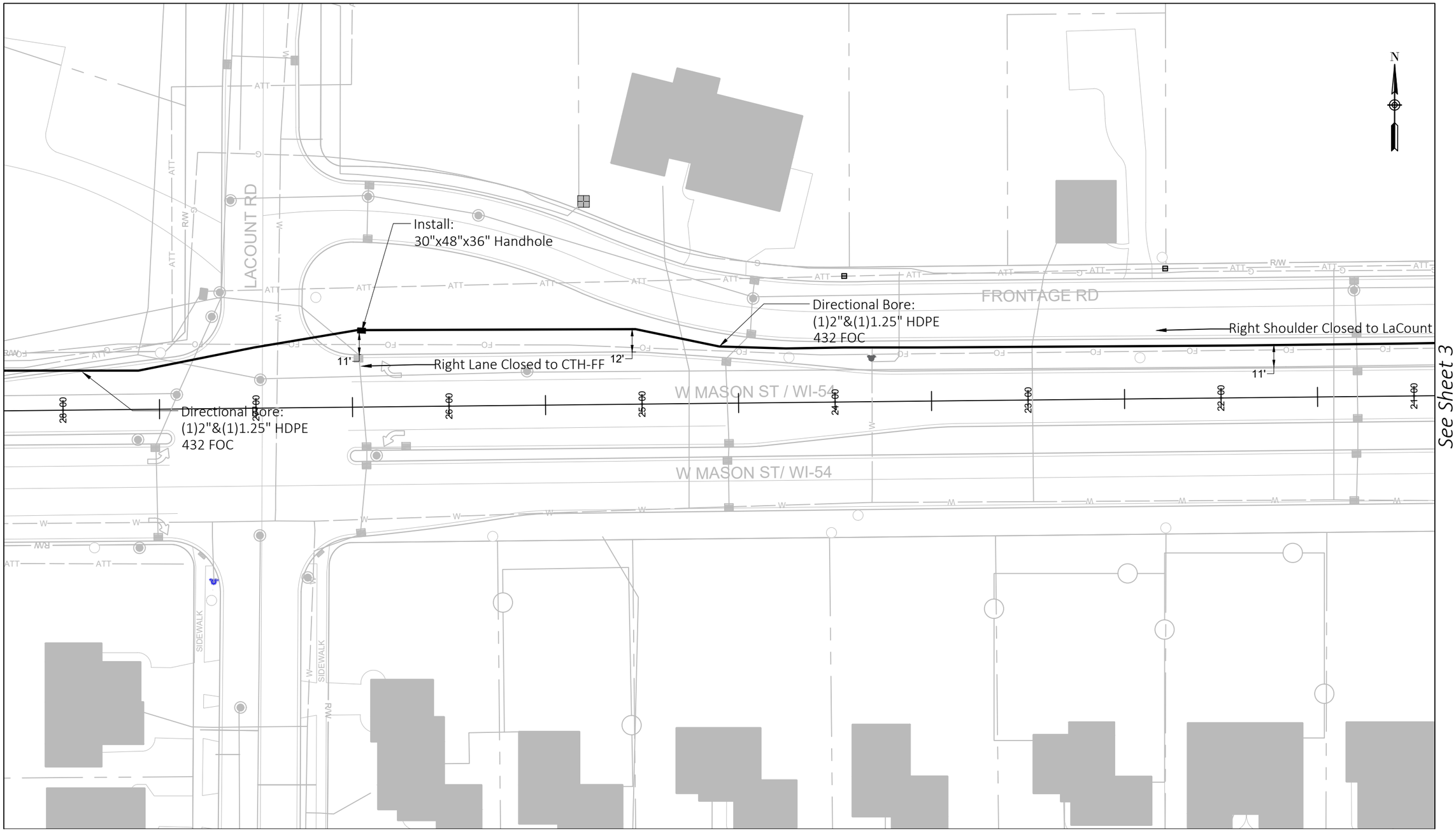
Estimated Quantities:

Directional Bore:	736'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 736'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 242	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 03

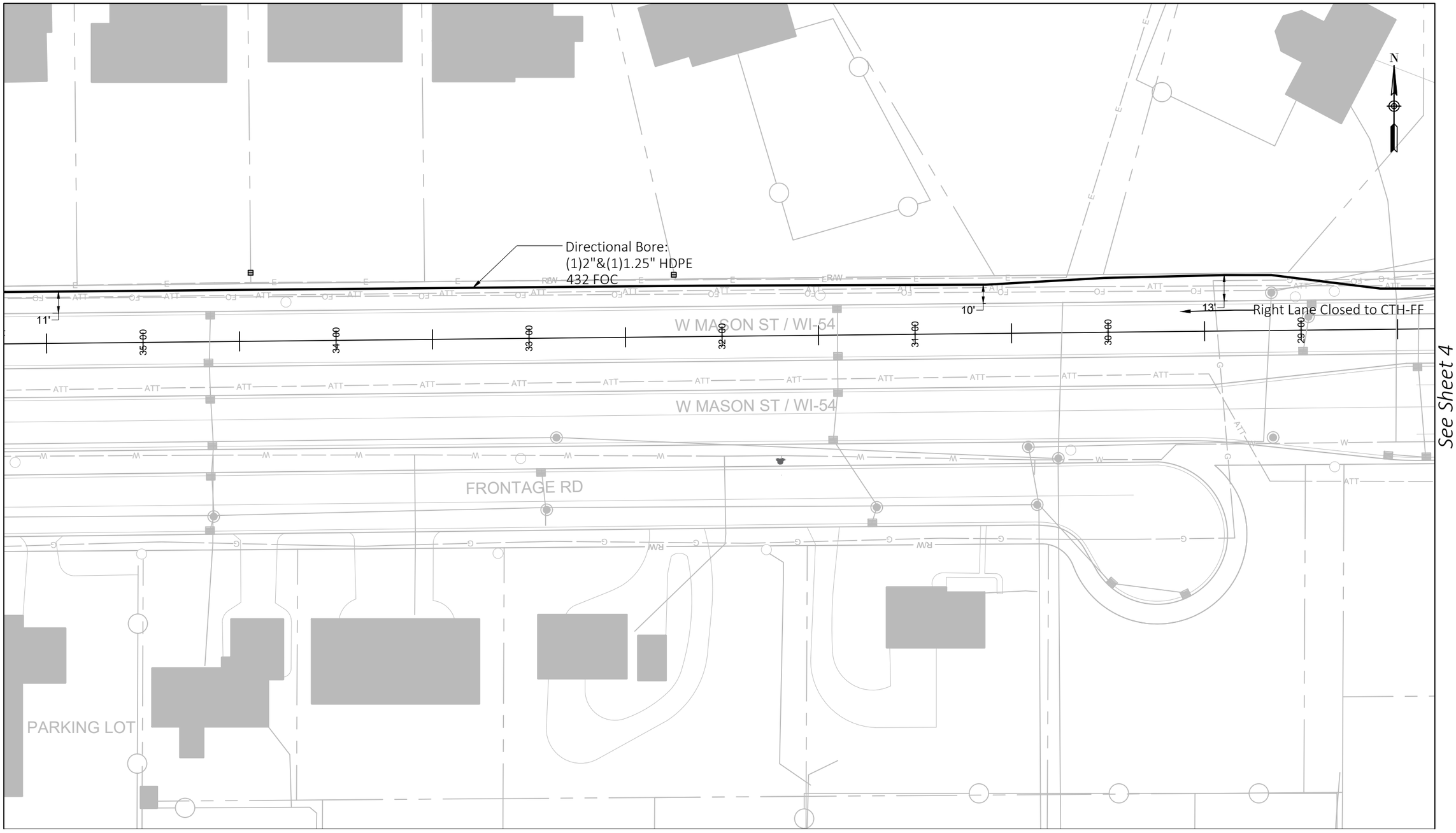
PLOT DATE : 5/7/2020 2:56 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ############



Estimated Quantities:

Directional Bore:	738'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 738'	Place 216 FOC in duct: 0'

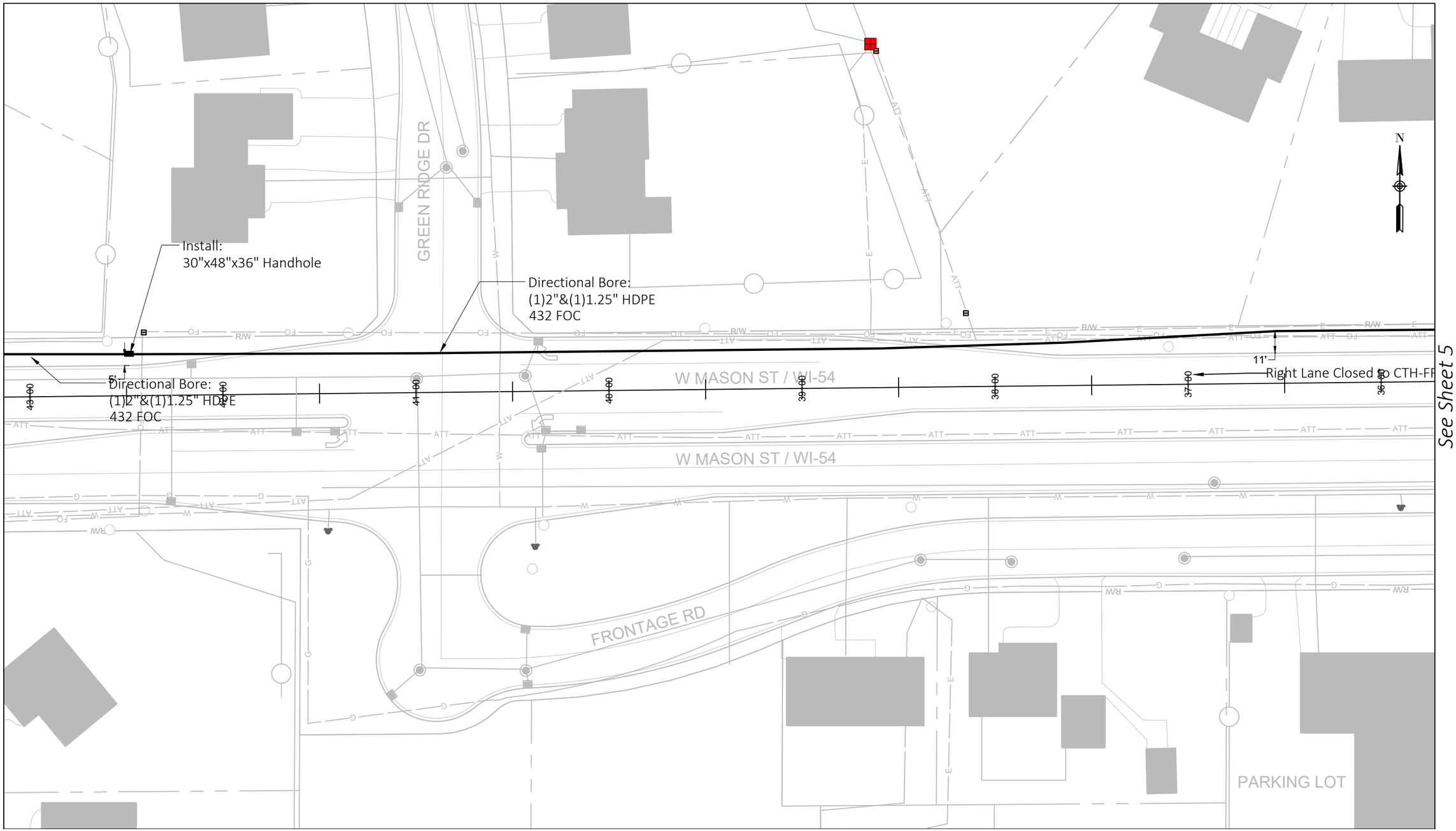
PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 243	E



Estimated Quantities:

Directional Bore:	740'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 740'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 244	E



Estimated Quantities:

Directional Bore:	740'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 740'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 245	E

2

See Sheet 8

See Sheet 6

N

Directional Bore:
(1)2"&(1)1.25" HDPE
432 FOC

7'

Right Lane Closed to CTH-FF

W MASON ST / WI-54

10'

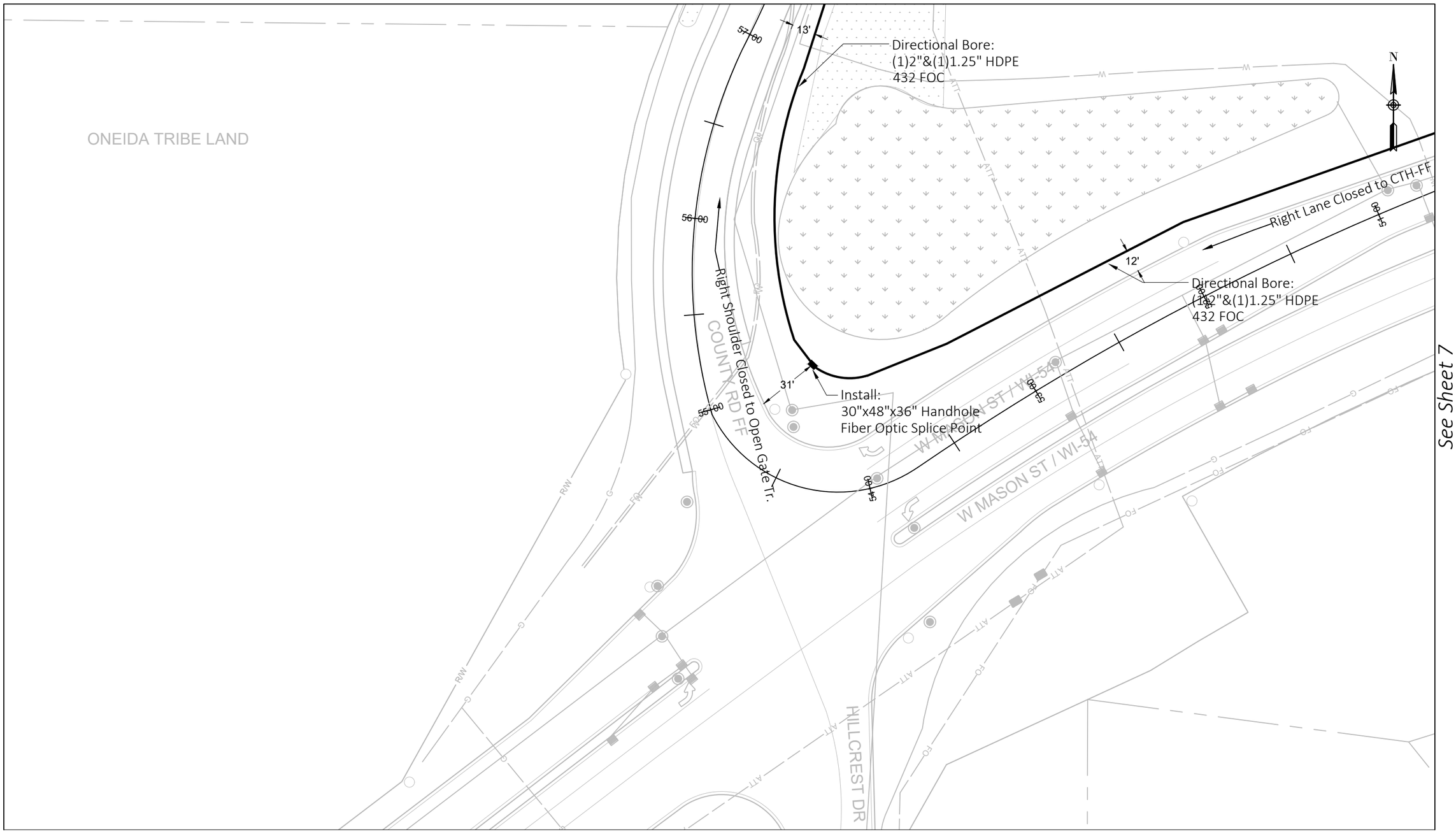
Estimated Quantities:			
Directional Bore:	752'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 752'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 246	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 07

PLOT DATE : 5/7/2020 2:58 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########

See Sheet 9



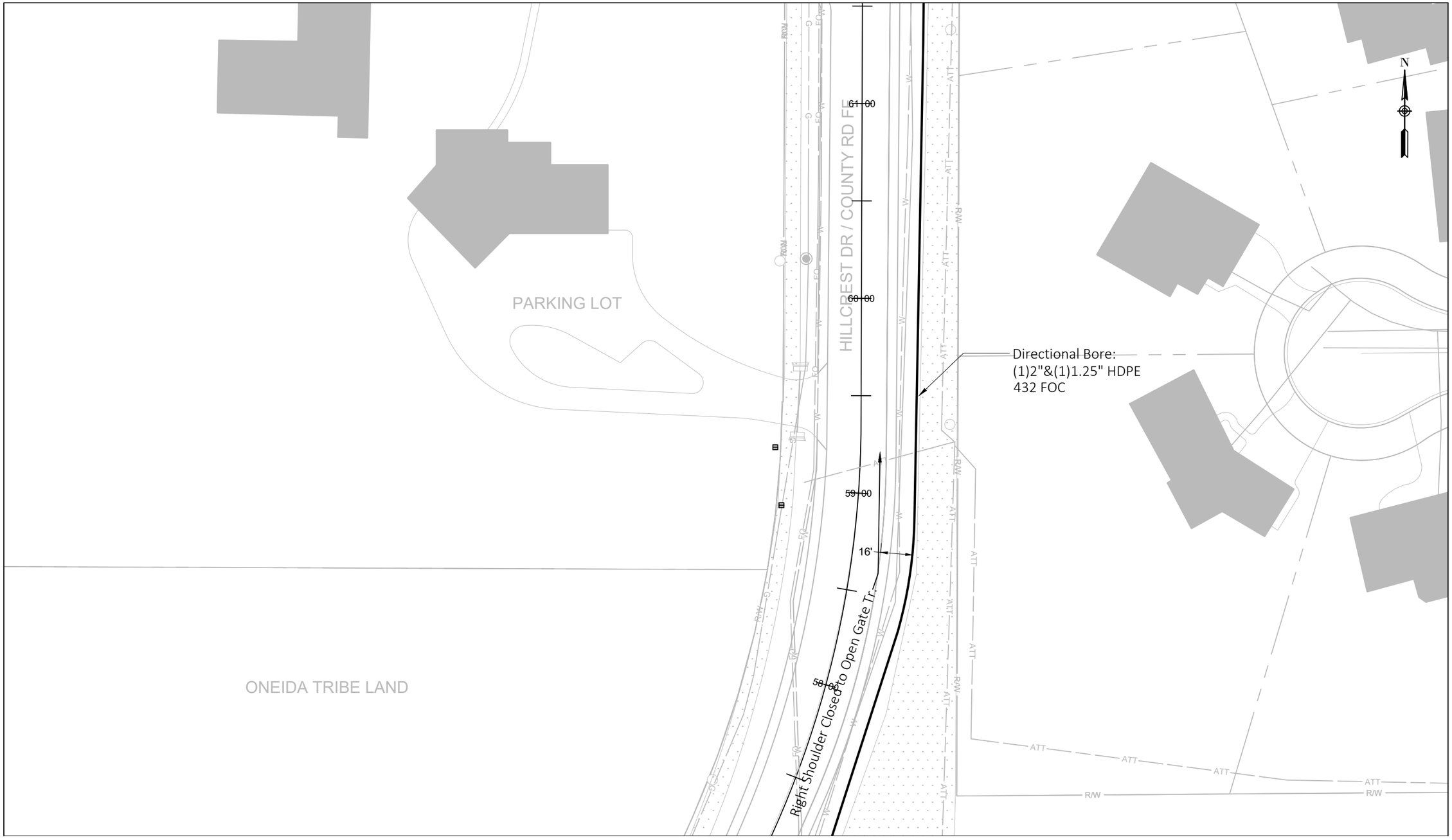
See Sheet 7

Estimated Quantities:

Directional Bore:	542'	Handhole Installation: 1	Store cable expansion in handhole: 200'
Plow:	0'	Place 432 FOC in duct: 542'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 247	E

See Sheet 10



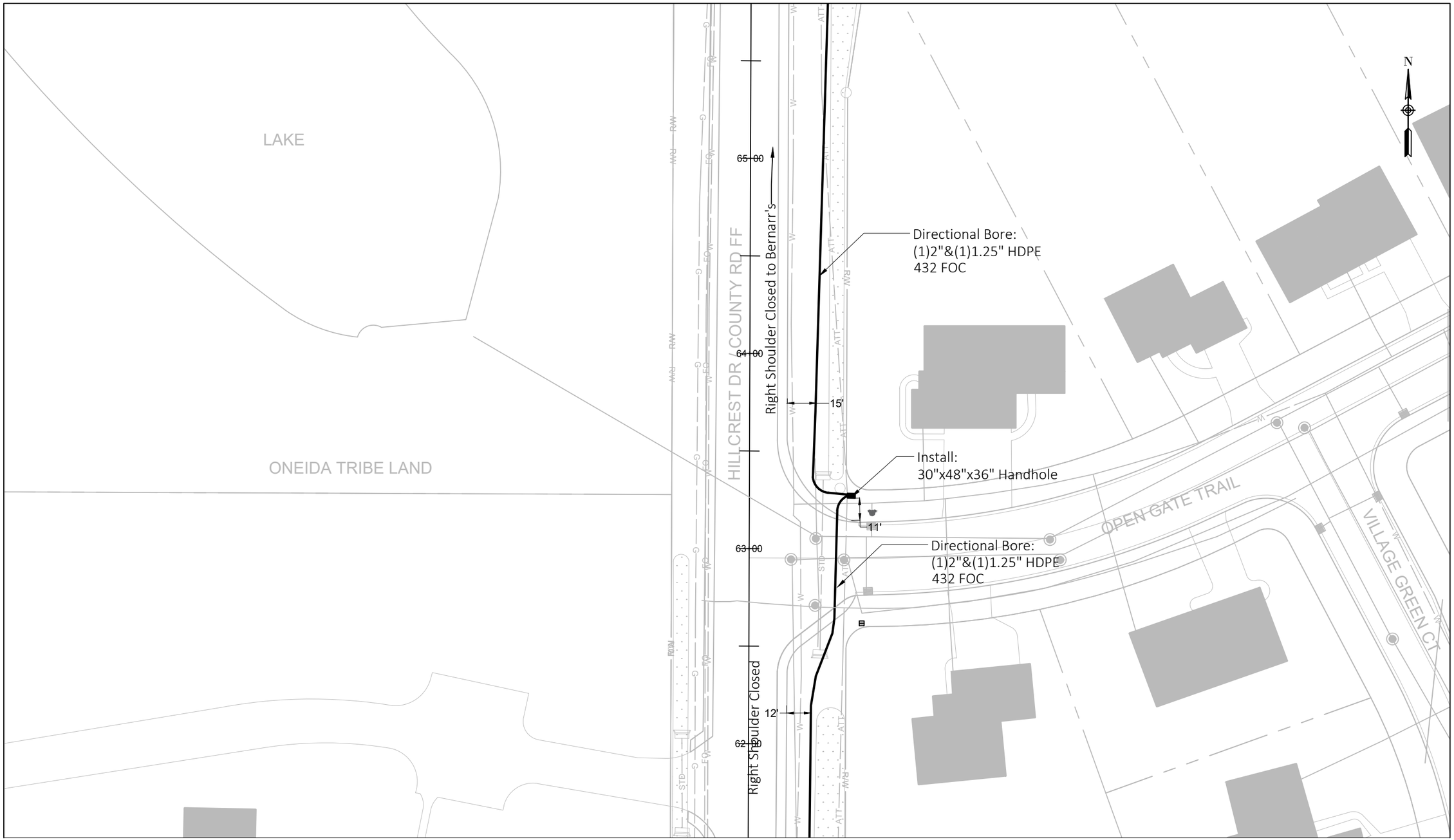
See Sheet 8

Estimated Quantities:

Directional Bore:	433'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 433'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 248	E

See Sheet 11



See Sheet 9

Estimated Quantities:

Directional Bore:	446'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 446'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 249	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 10
PLOT DATE : 5/7/2020 2:59 PM
PLOT BY : DAN BECKER
PLOT NAME :
PLOT SCALE : ############
WISDOT/CADDS SHEET 42

See Sheet 12

ONEIDA TRIBE LAND
MEMBERS ONLY

LAKE

HILLCREST DR / COUNTY RD FF

70+00
69+00
68+00
67+00
66+00

19'

Right Shoulder Closed to Bernarr's

Directional Bore:
(1)2"&(1)1.25" HDPE
432 FOC

N

See Sheet 10

Estimated Quantities:

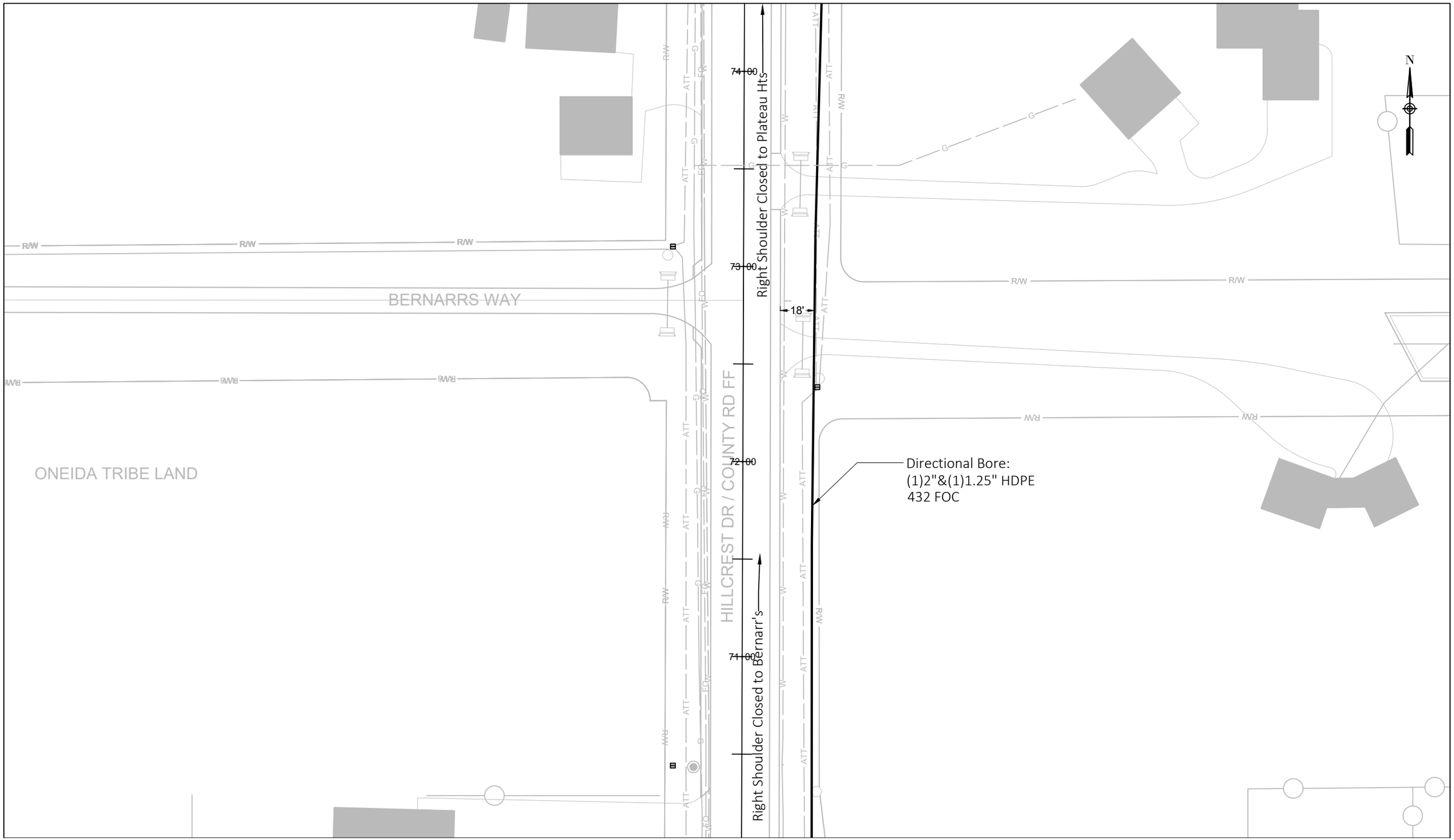
Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 427'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 250	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 11

PLOT DATE : 5/7/2020 3:00 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########

See Sheet 13



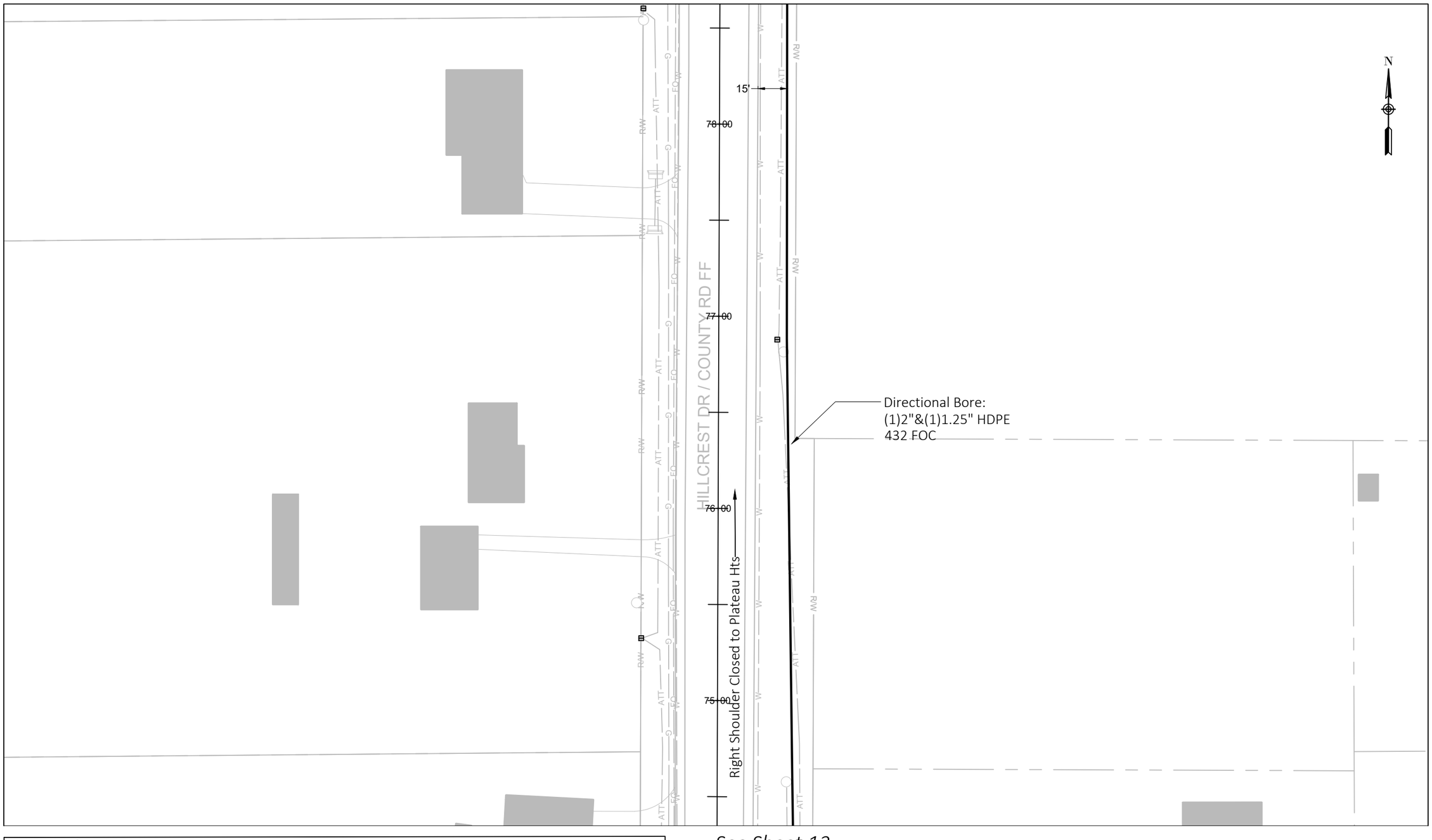
See Sheet 11

Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 427'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 251	E

See Sheet 14

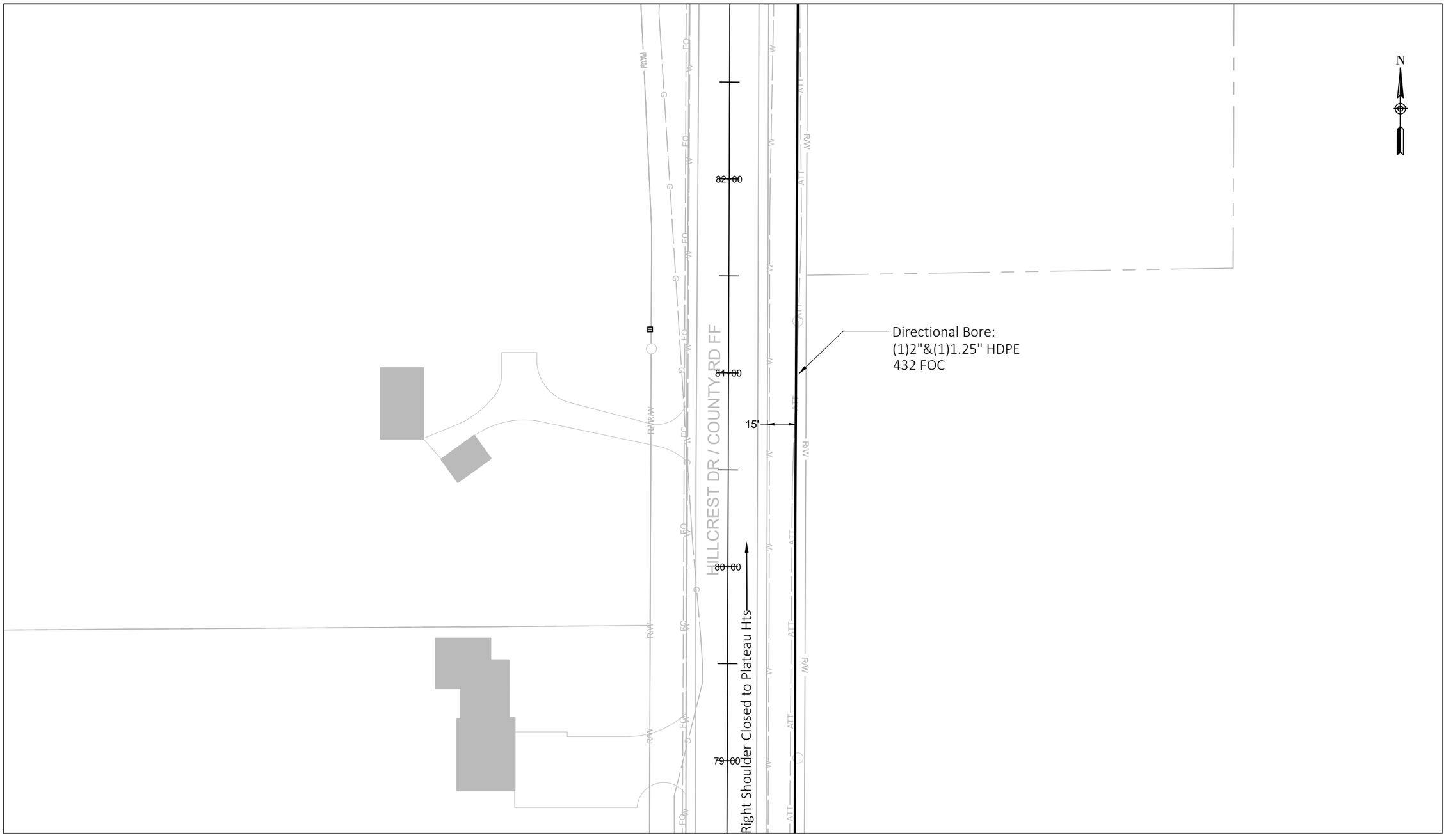


See Sheet 12

Estimated Quantities:			
Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0
Plow:	0'	Place 432 FOC in duct: 427'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 252	E

See Sheet 15



See Sheet 13

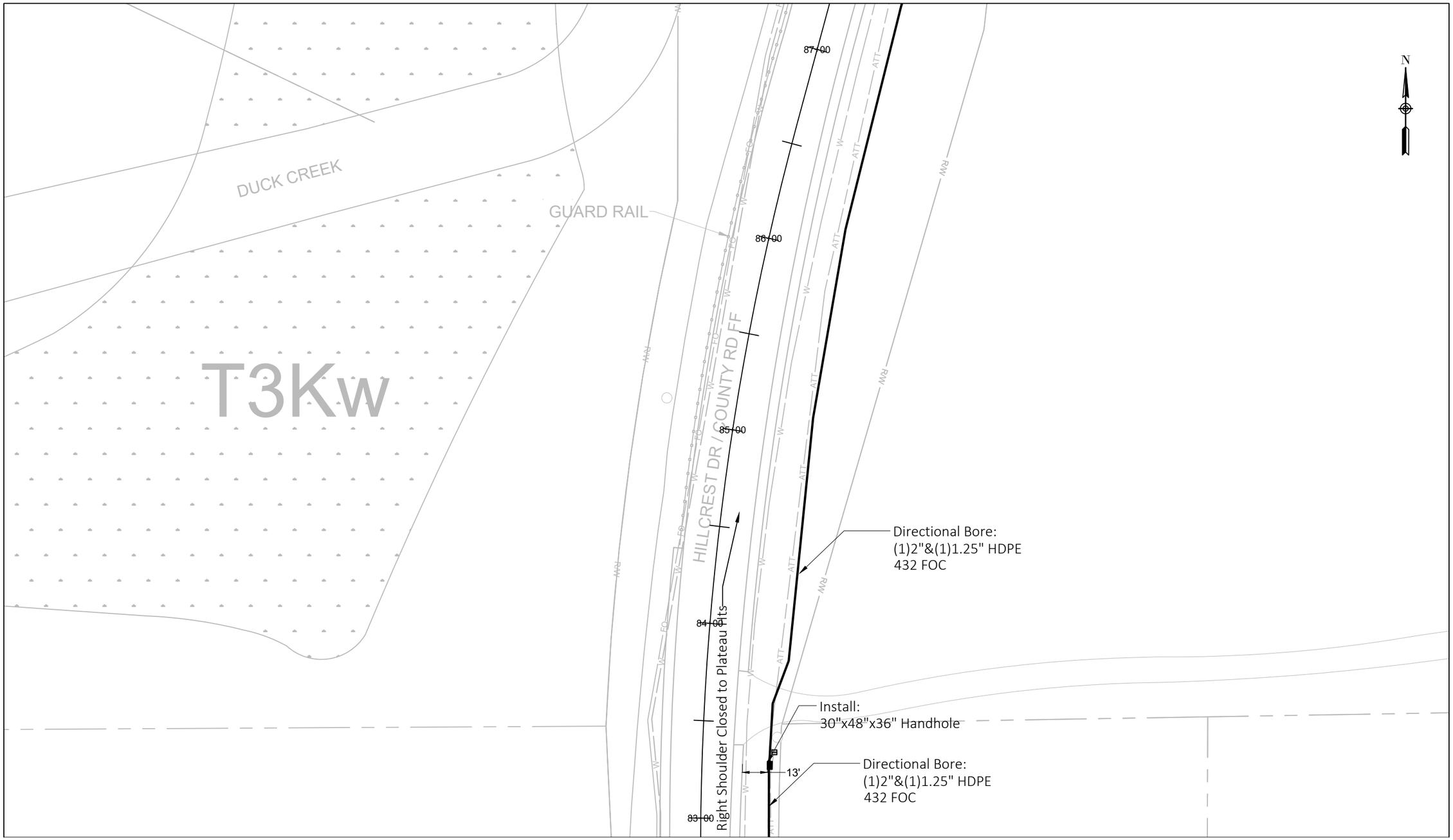
Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0
Plow:	0'	Place 432 FOC in duct: 427'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 253	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 14
PLOT DATE : 5/7/2020 3:01 PM
PLOT BY : DAN BECKER
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 16



See Sheet 14

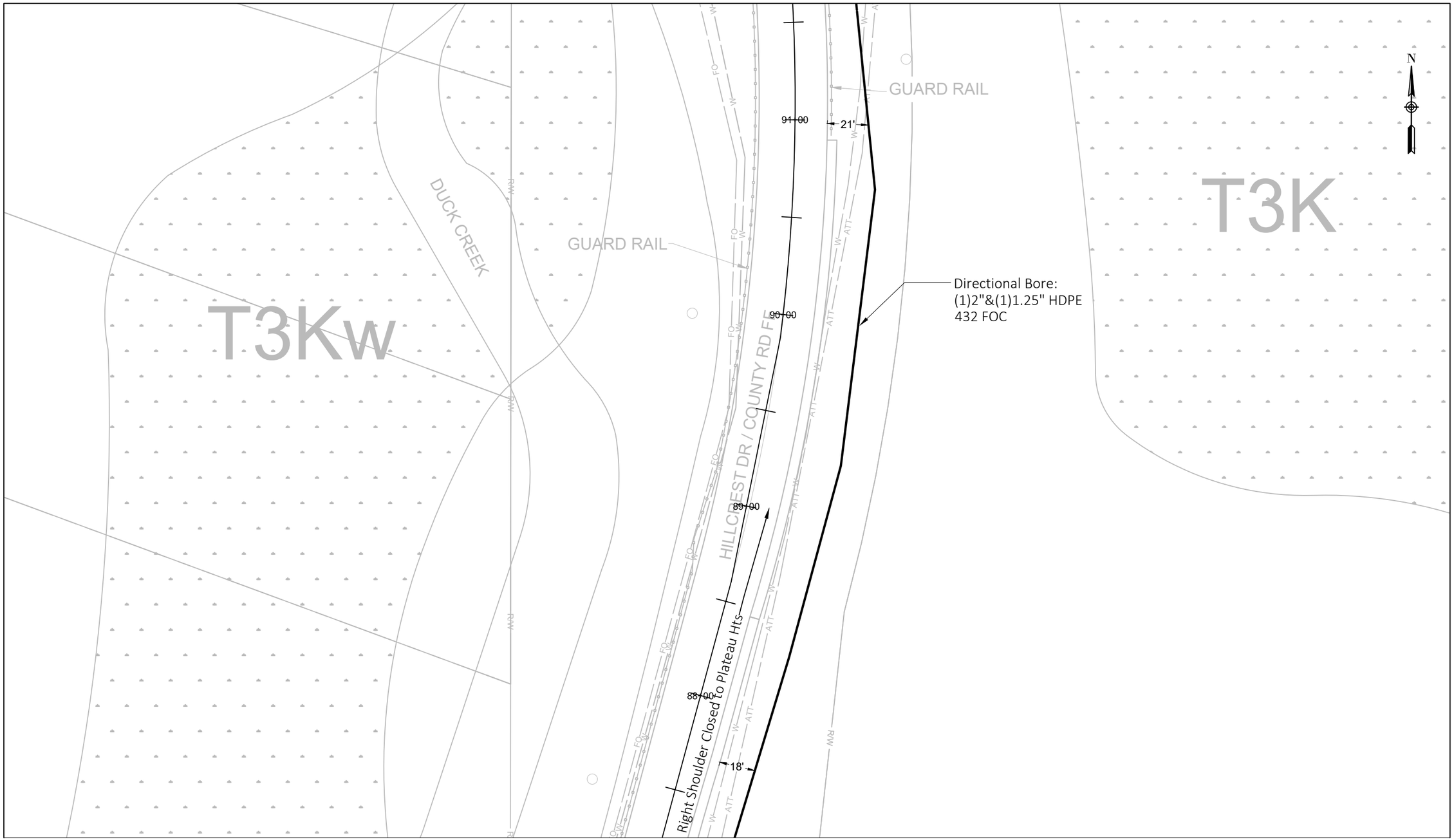
Estimated Quantities:

Directional Bore:	432'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 432'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 254	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 15
PLOT DATE : 5/7/2020 3:02 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 17



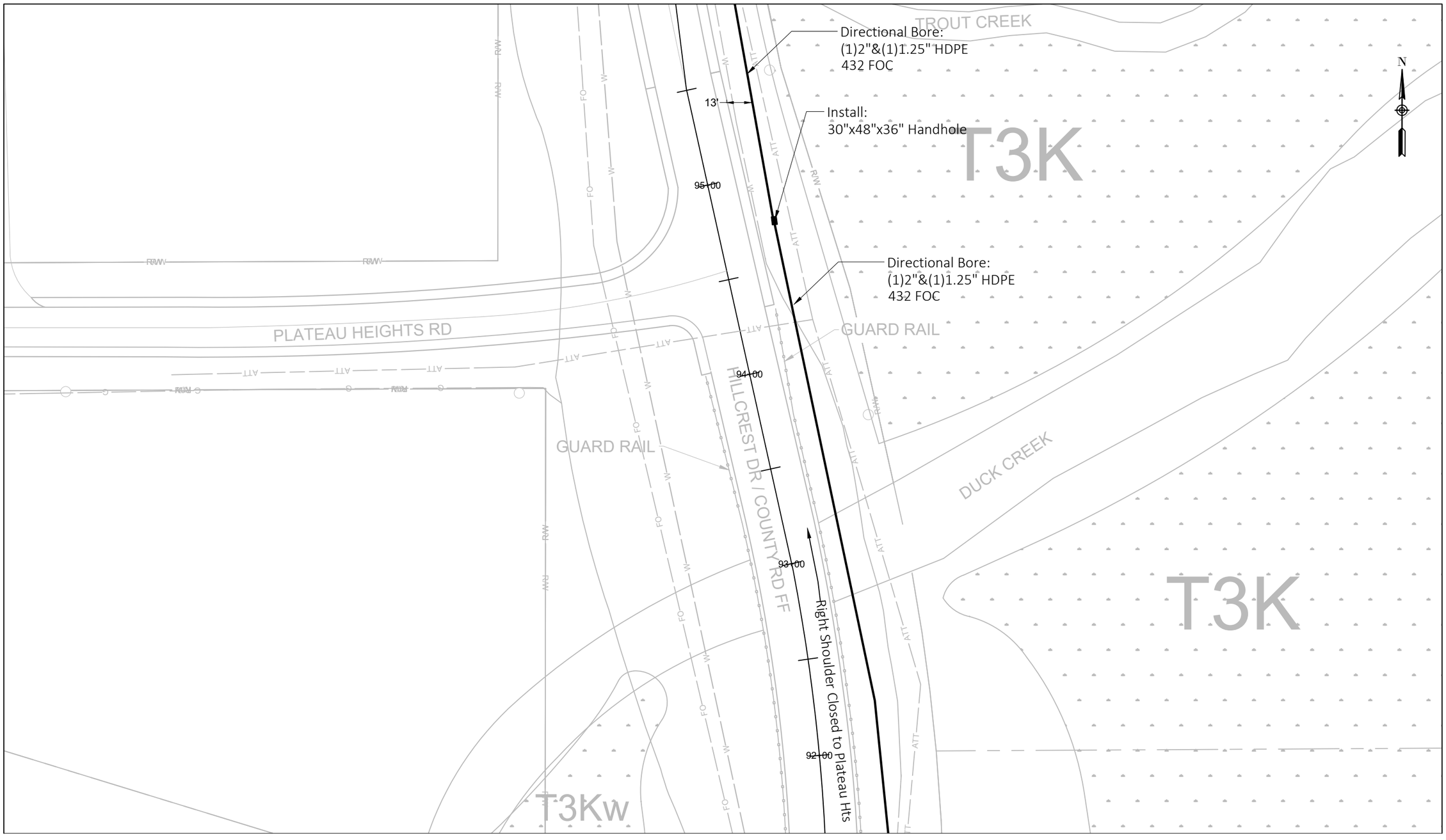
See Sheet 15

Estimated Quantities:

Directional Bore:	433'	Handhole Installation: 0	Store cable expansion in handhole: 0
Plow:	0'	Place 432 FOC in duct: 433'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 255	E

See Sheet 18



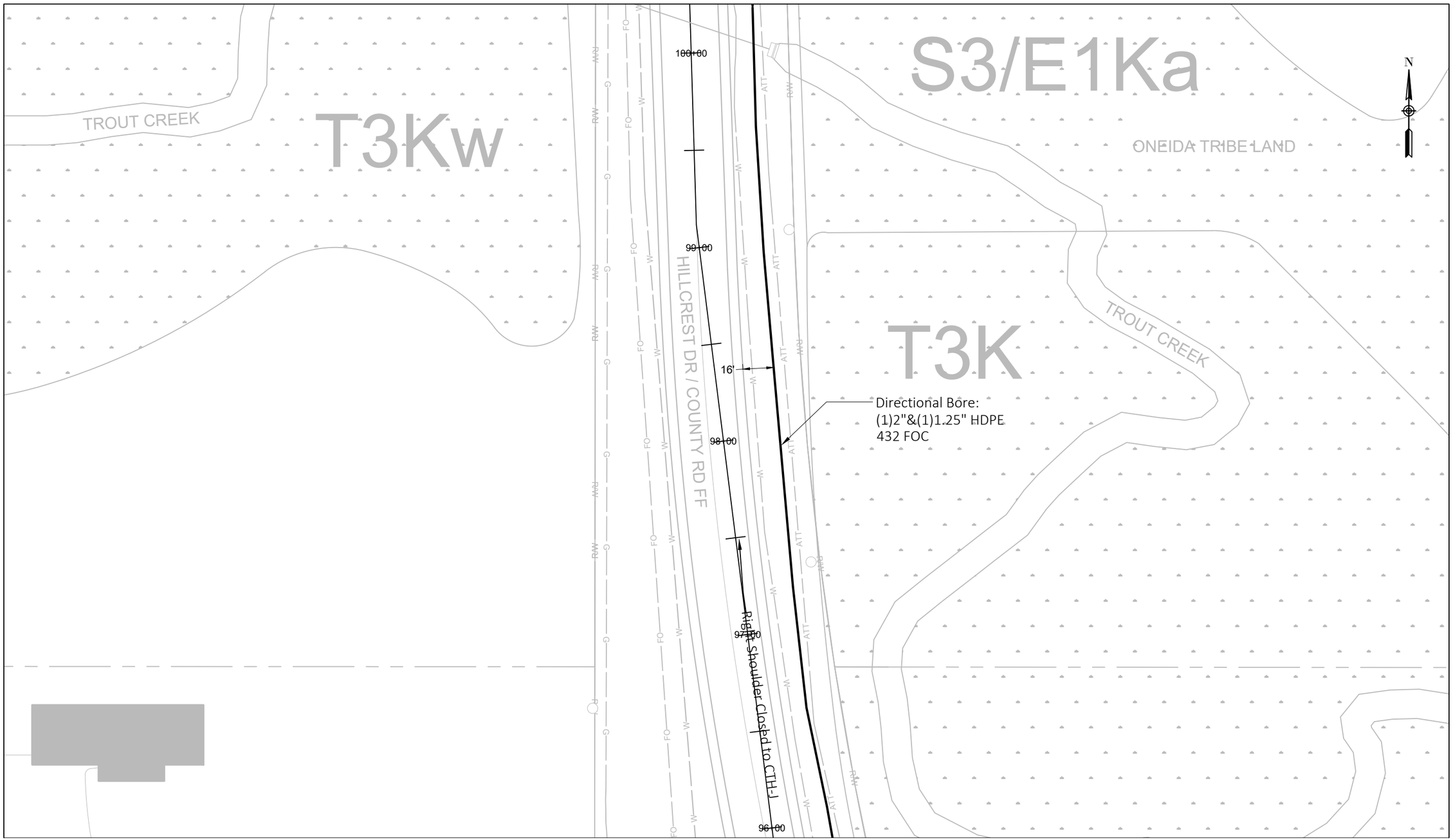
See Sheet 16

Estimated Quantities:

Directional Bore:	435'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 435'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 256	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 17
PLOT DATE : 5/7/2020 3:03 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

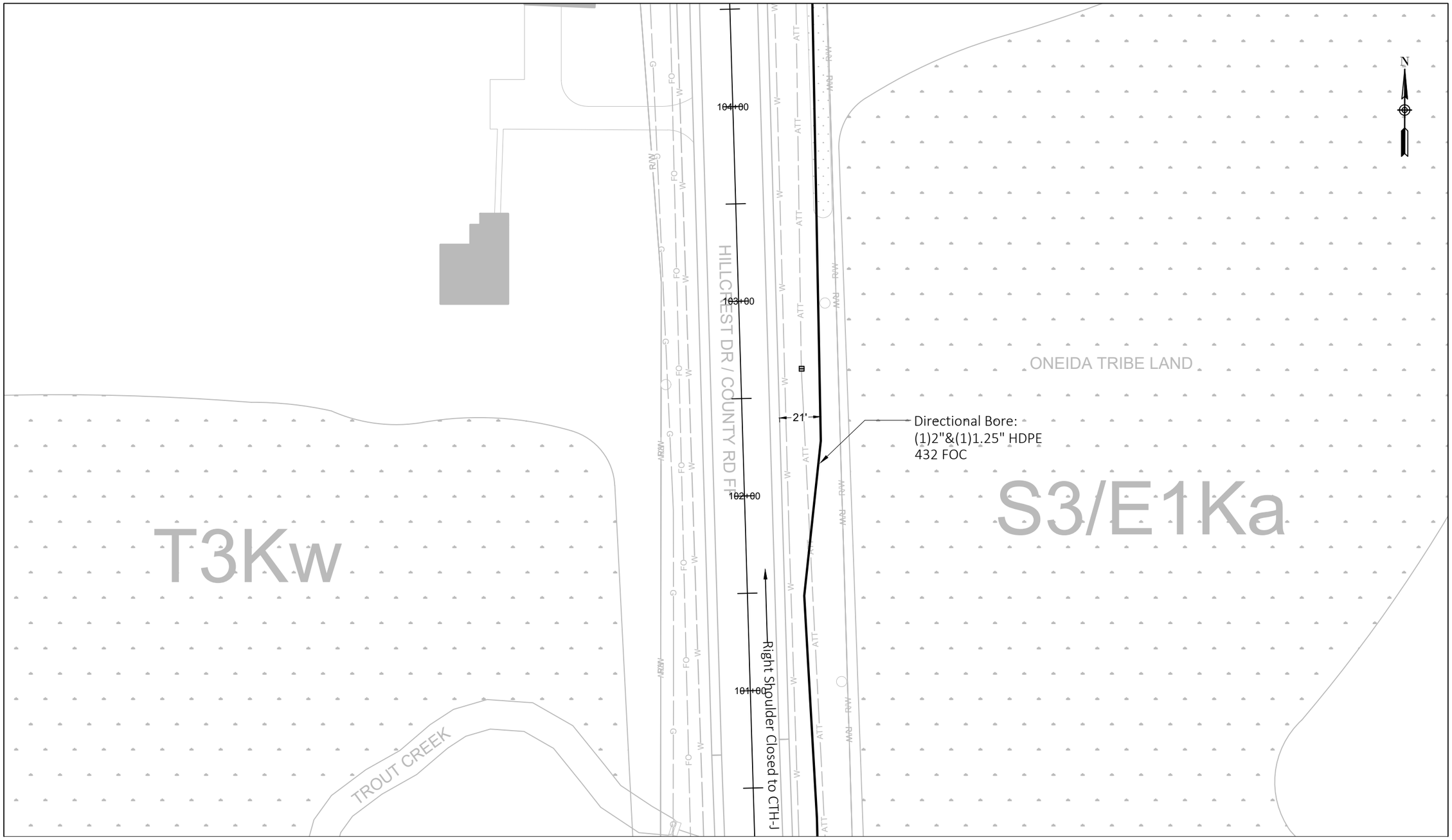


See Sheet 17

Estimated Quantities:

Directional Bore:	430'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 430'	Place 216 FOC in duct: 0'

See Sheet 20



See Sheet 18

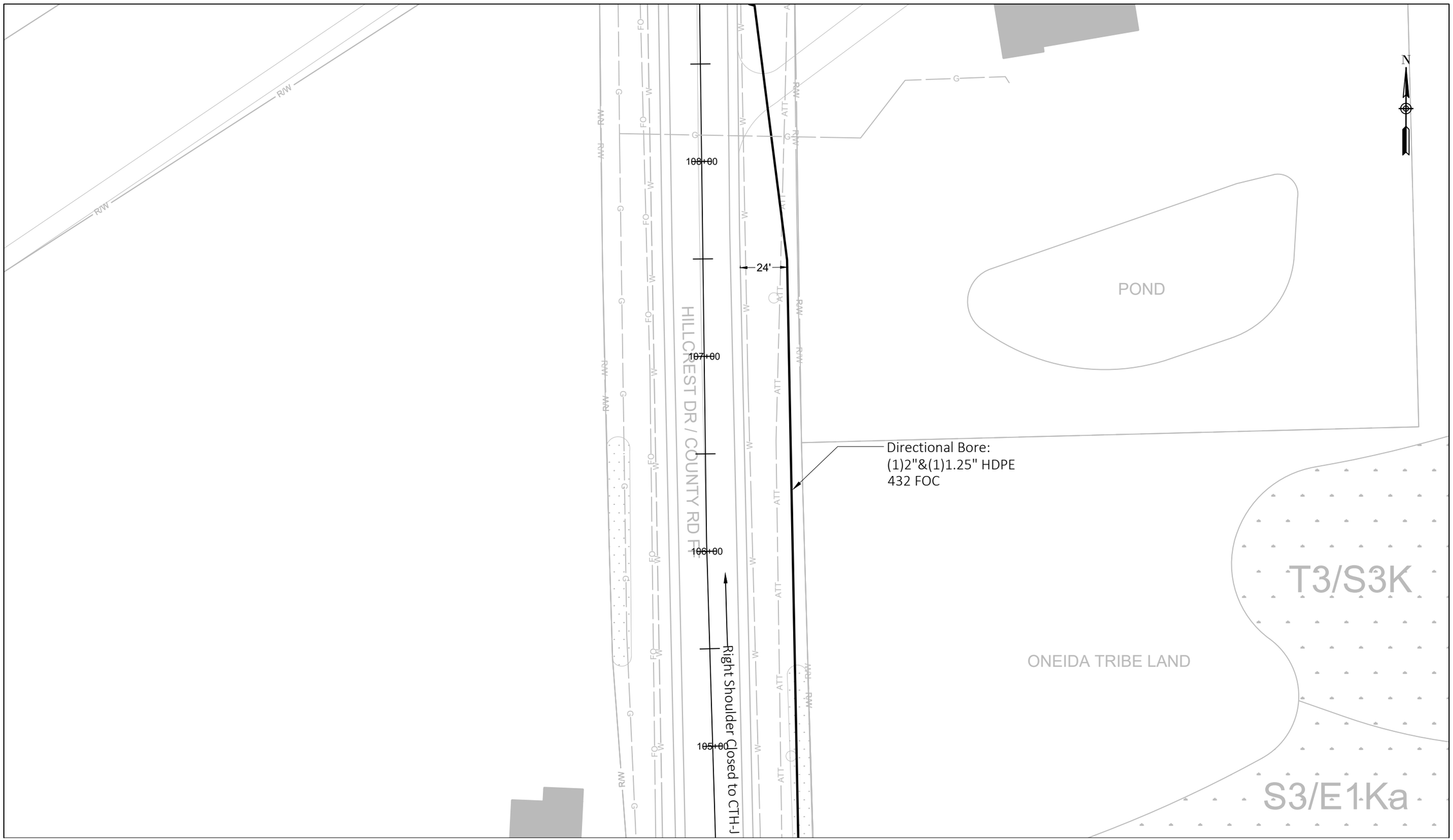
Estimated Quantities:

Directional Bore:	430'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 430'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 258	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 19
PLOT DATE : 5/7/2020 3:04 PM
PLOT BY : DAN BECKER
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 21



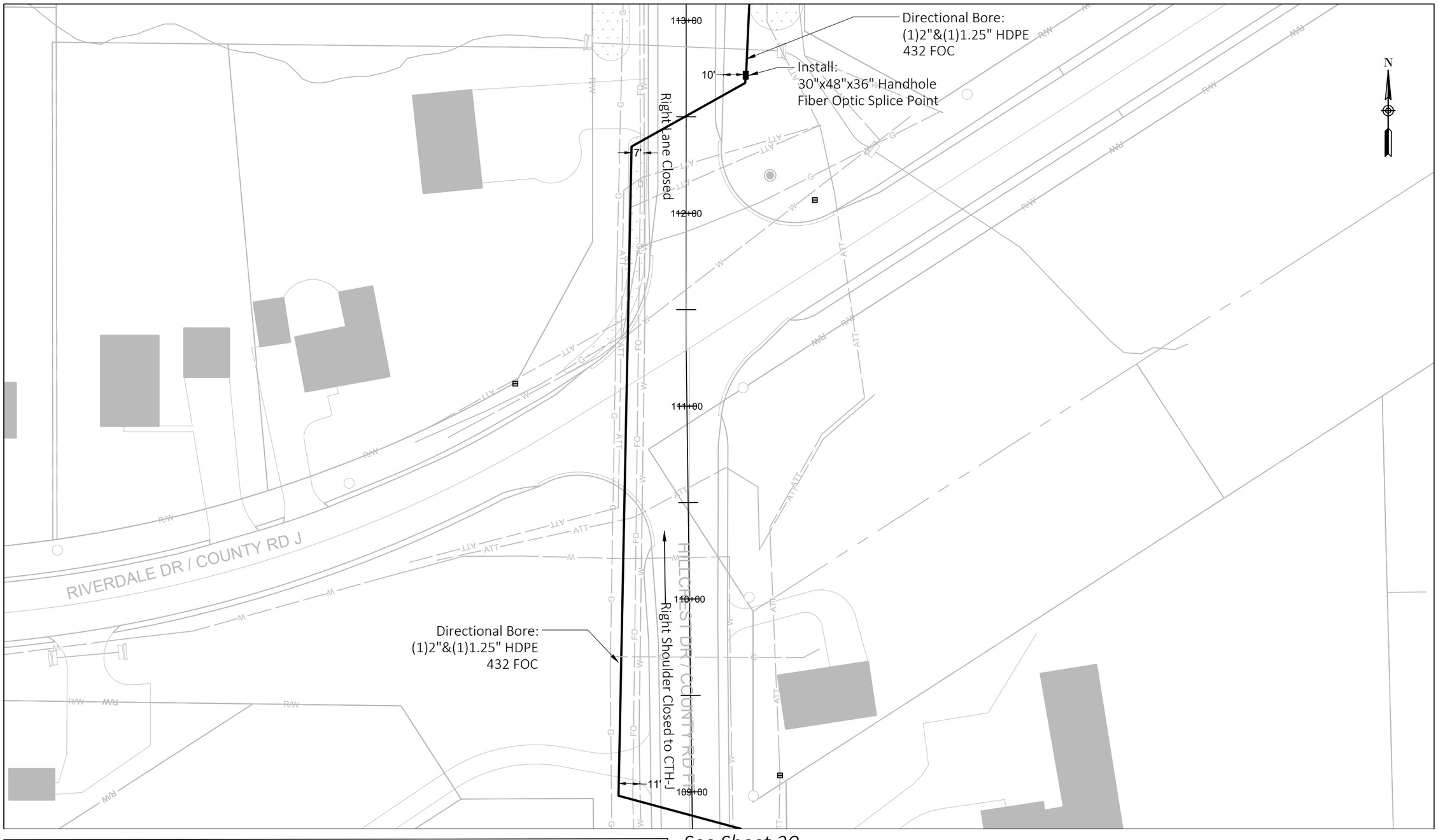
See Sheet 19

Estimated Quantities:

Directional Bore:	430'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 430'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 259	E

See Sheet 22



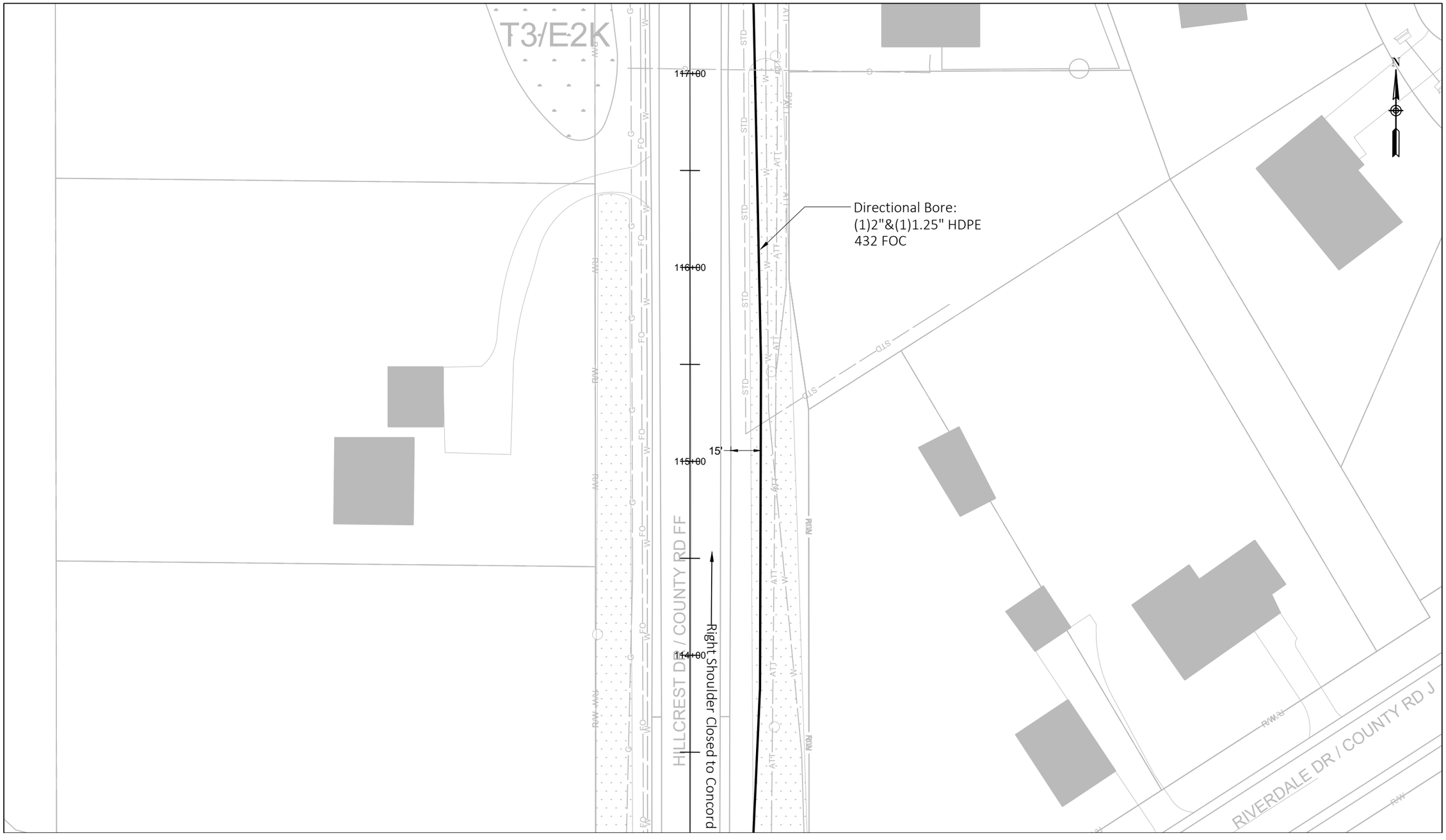
See Sheet 20

Estimated Quantities:

Directional Bore:	512'	Handhole Installation:	1	Store cable expansion in handhole:	200'
Plow:	0'	Place 432 FOC in duct:	512'	Place 216 FOC in duct:	0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 260	E

See Sheet 23



See Sheet 21

Estimated Quantities:

Directional Bore:	428'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 428'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 261	E

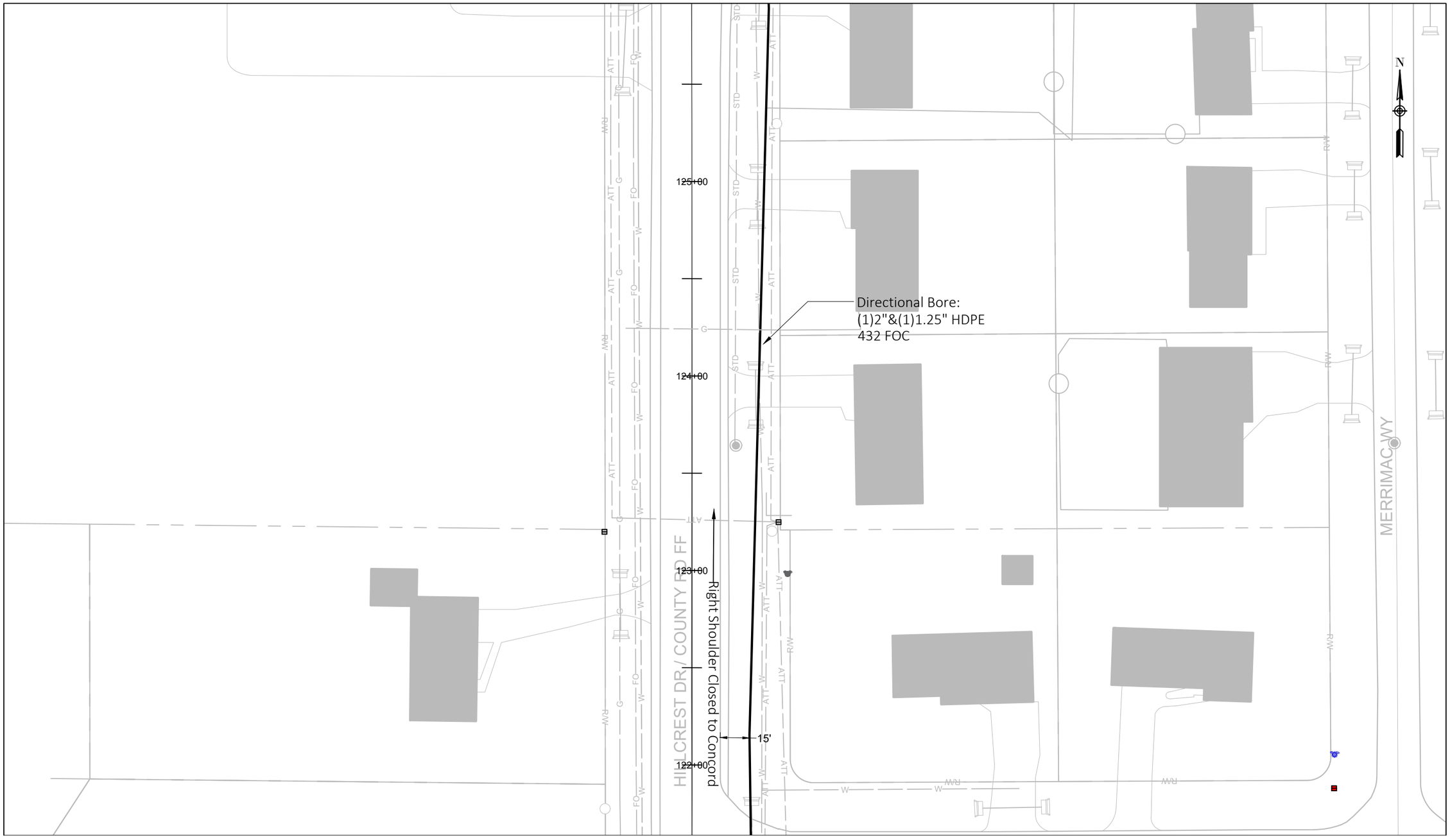
FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 22
PLOT DATE : 5/7/2020 3:05 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ############
WISDOT/CADDS SHEET 42



See Sheet 22

Estimated Quantities:			
Directional Bore:	430'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 430'	Place 216 FOC in duct: 0'

See Sheet 25



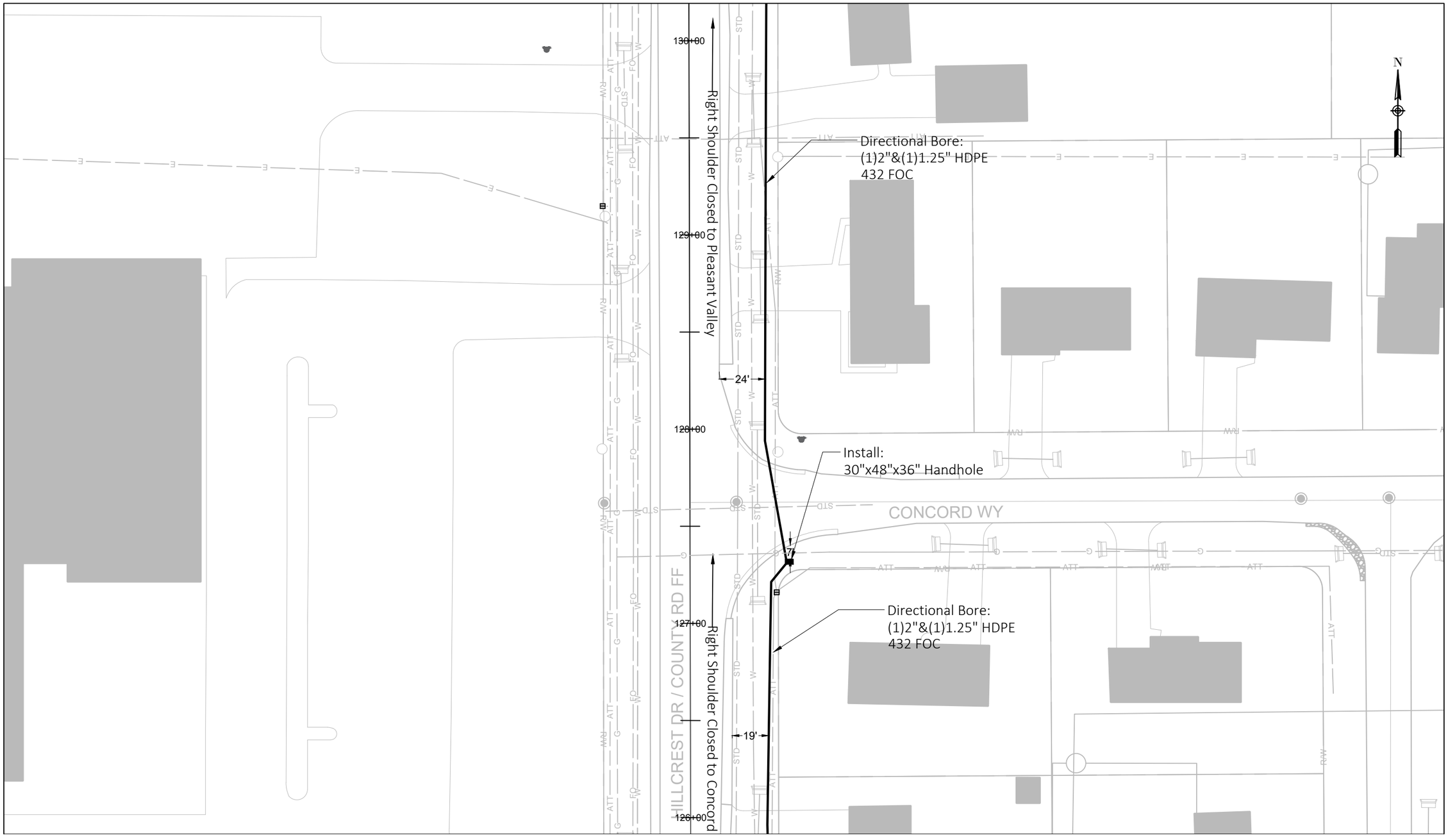
See Sheet 23

Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 427'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 263	E

See Sheet 26



See Sheet 24

Estimated Quantities:

Directional Bore:	433'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 433'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 264	E

See Sheet 27



See Sheet 25

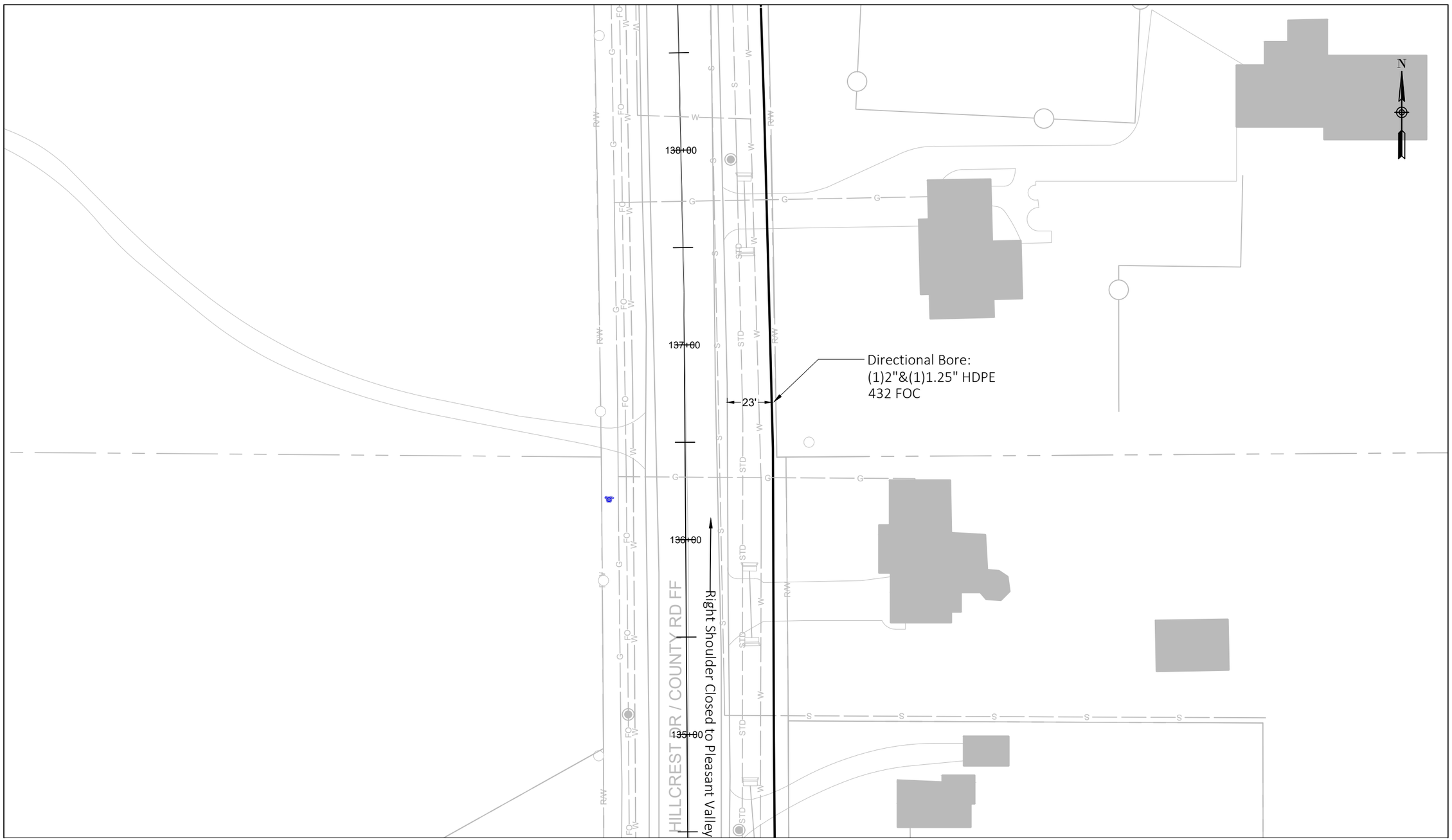
Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 427'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 265	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 26
PLOT DATE : 5/7/2020 3:07 PM
PLOT BY : DAN BECKER
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 28



See Sheet 26

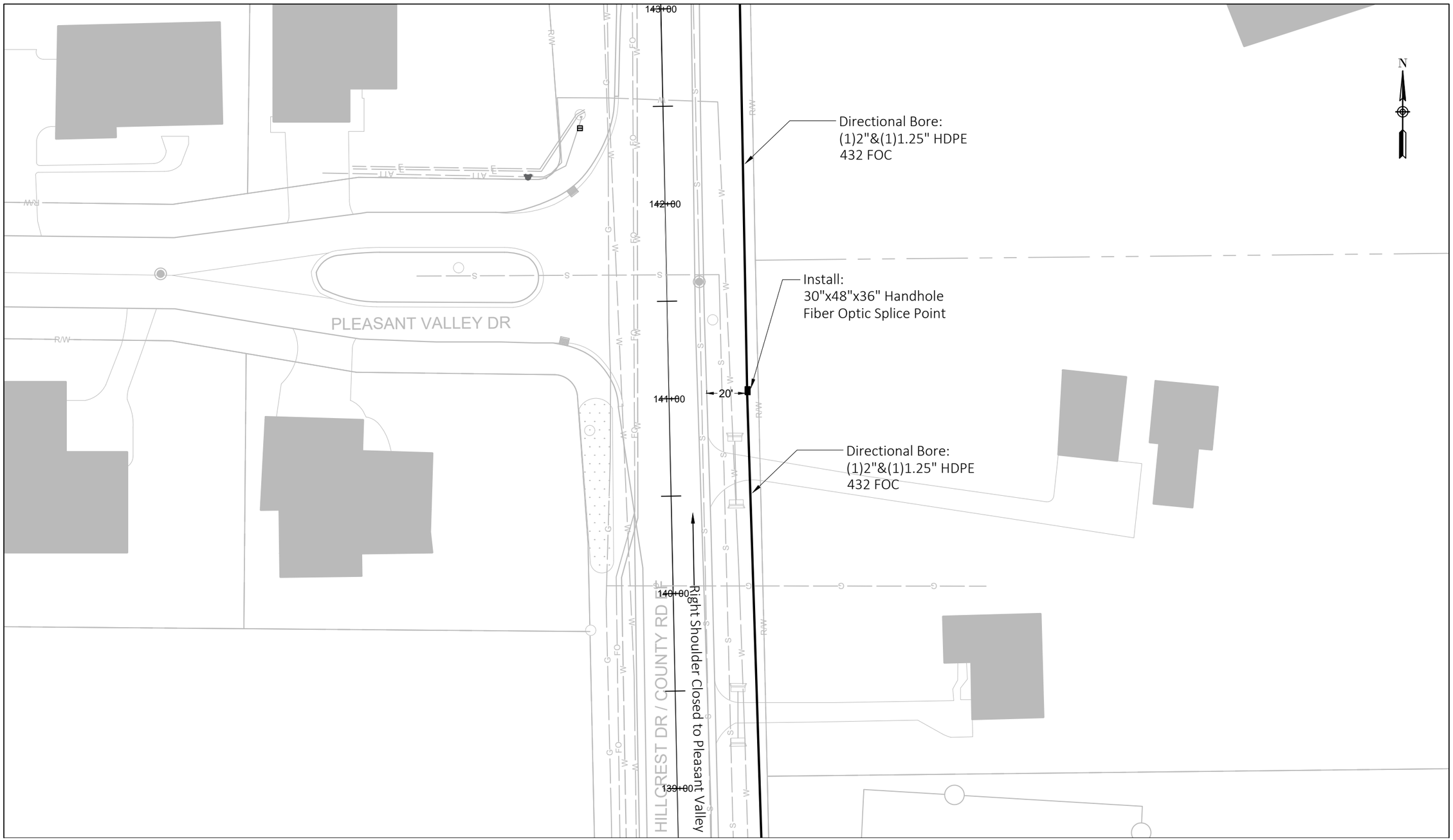
Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 427'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 266 E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 27
PLOT DATE : 5/7/2020 3:07 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ############
WISDOT/CADDS SHEET 42

See Sheet 29



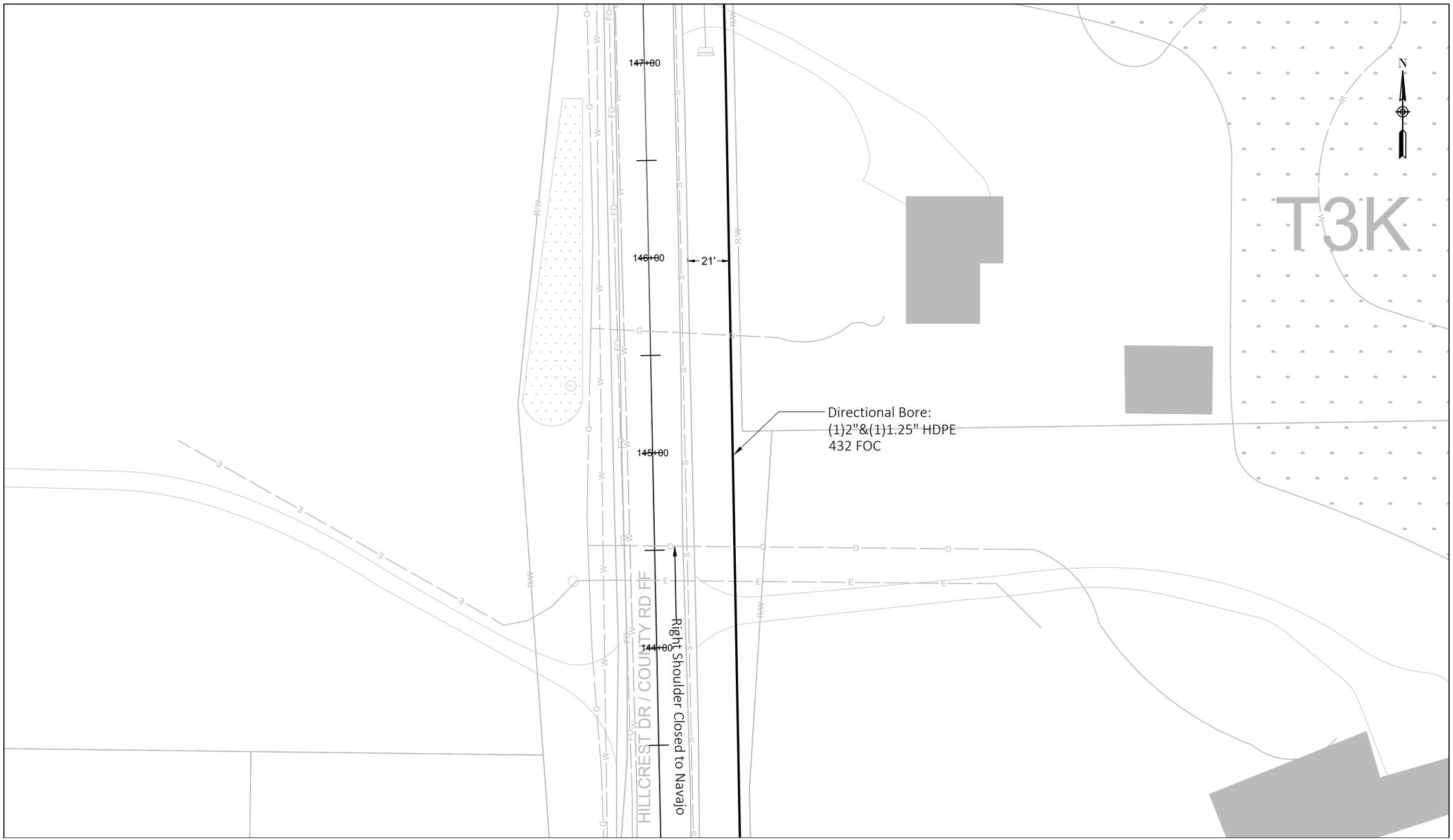
See Sheet 27

Estimated Quantities:

Directional Bore:	425'	Handhole Installation: 1	Store cable expansion in handhole: 200'
Plow:	0'	Place 432 FOC in duct: 425'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 267	E

See Sheet 30



See Sheet 28

Estimated Quantities:

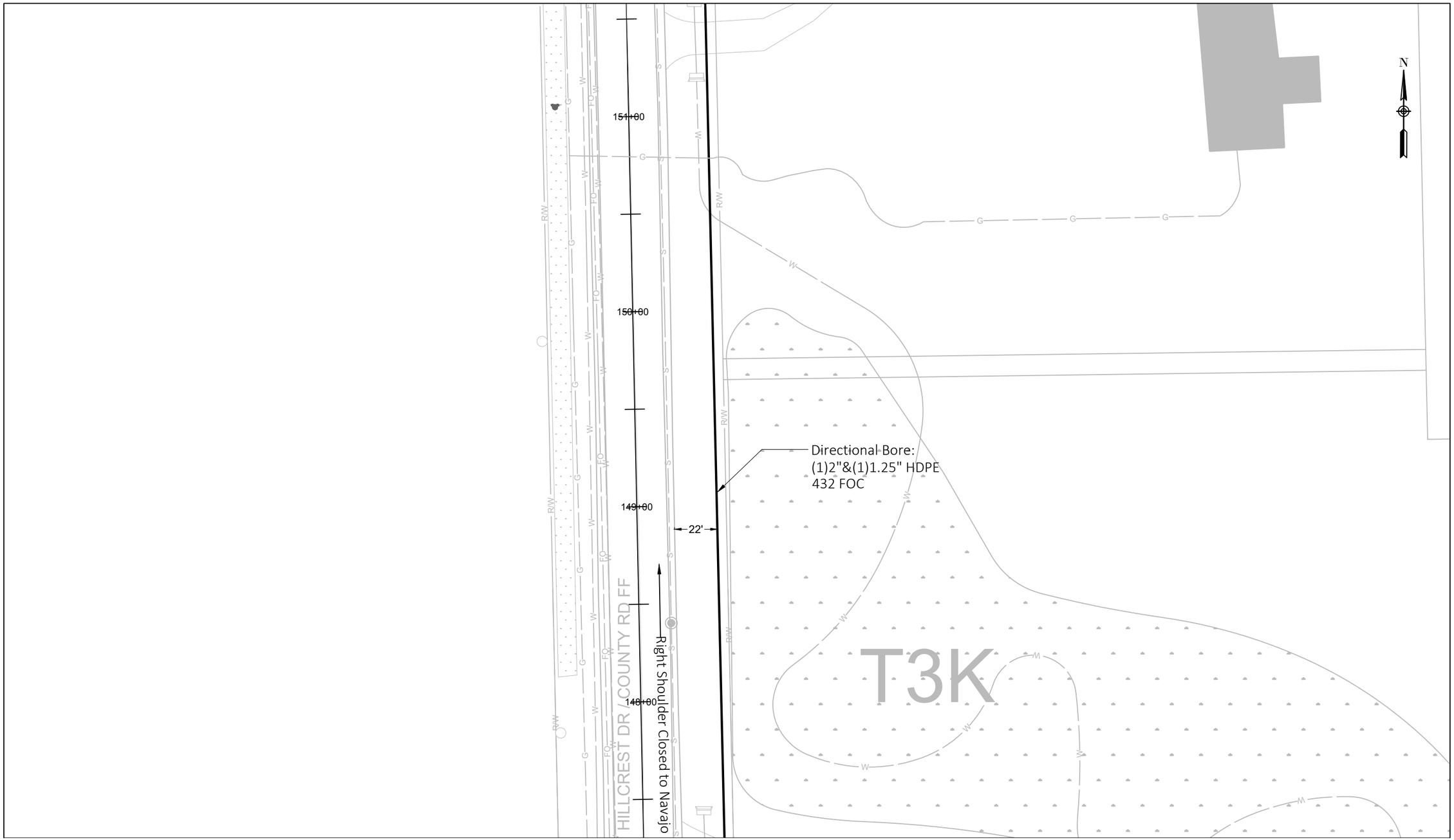
Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 427'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 268 E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 29

PLOT DATE : 5/7/2020 3:08 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ########### WISDOT/CADDS SHEET 42

See Sheet 31

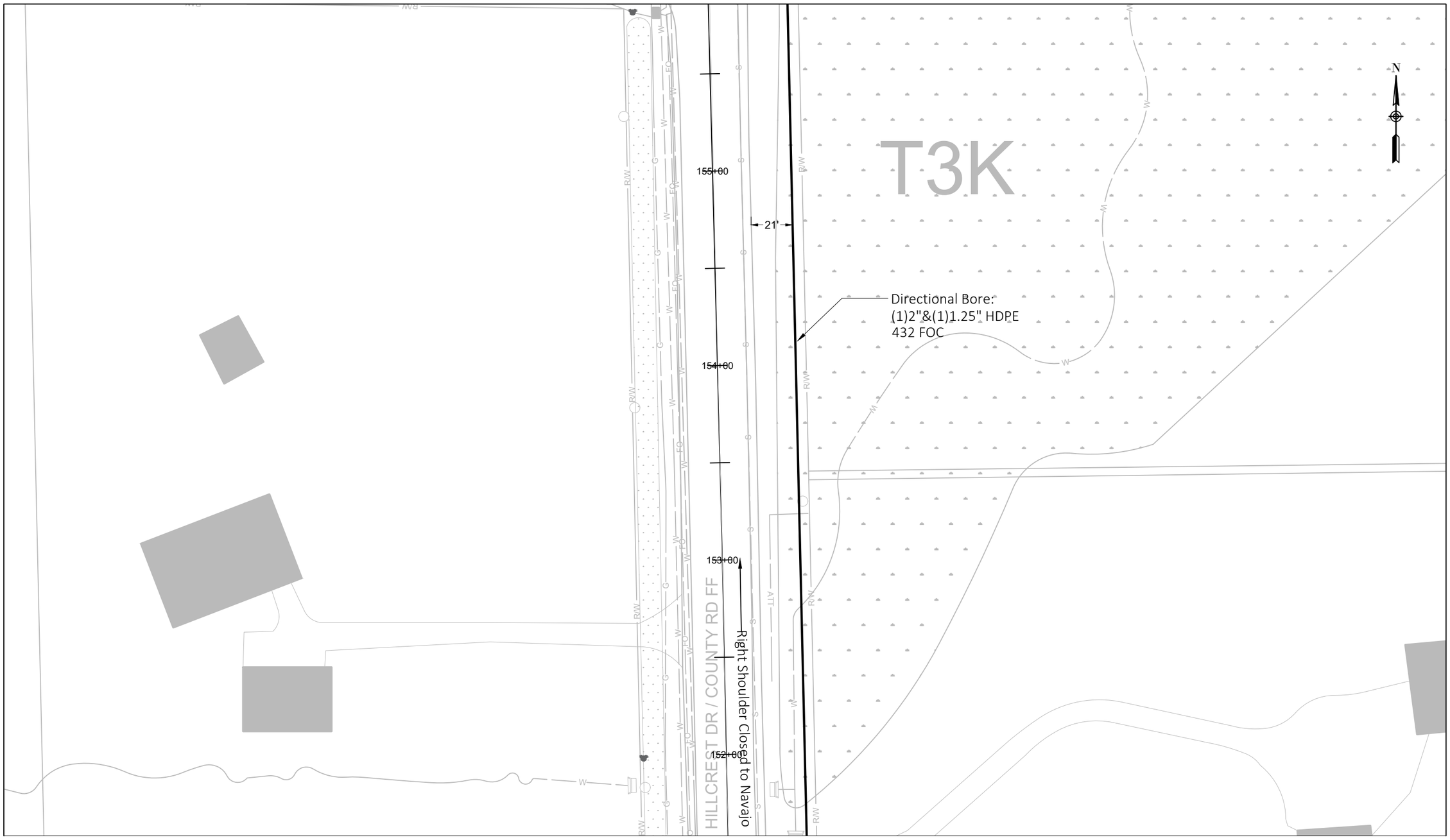


See Sheet 29

Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 427'	Place 216 FOC in duct: 0'

See Sheet 32



See Sheet 30

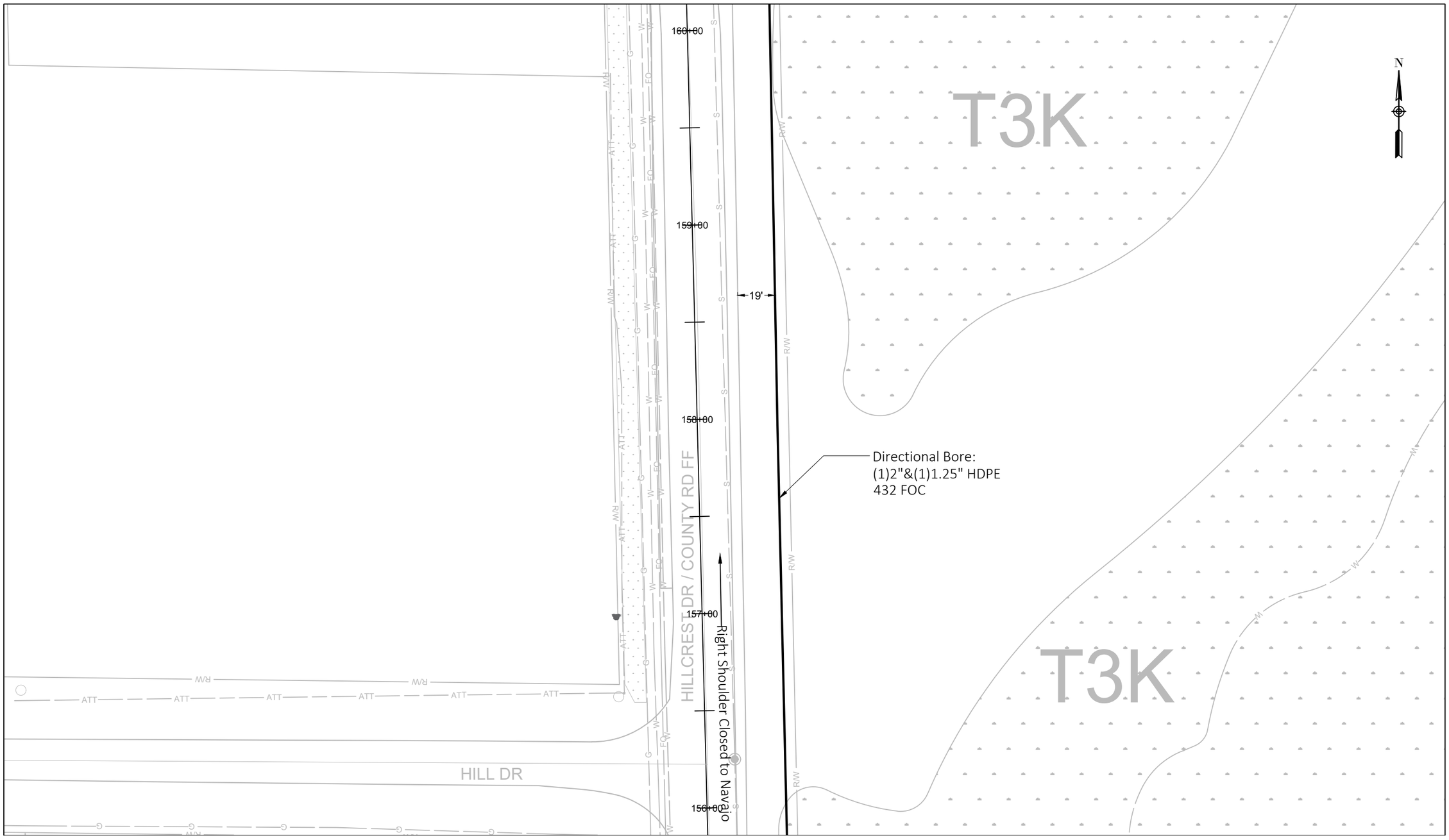
Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 427'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 270	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 31
PLOT DATE : 5/7/2020 3:09 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 33



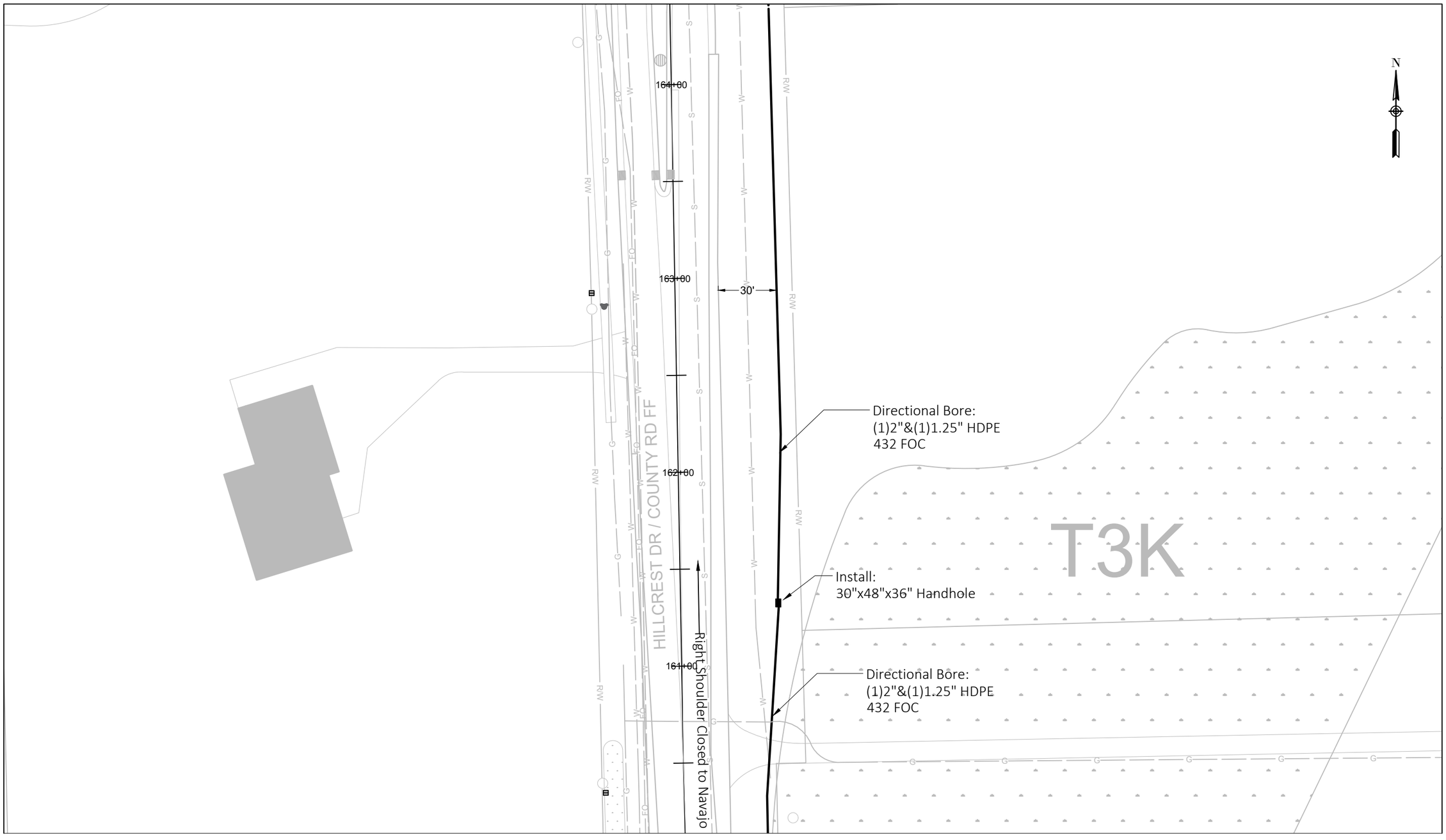
See Sheet 31

Estimated Quantities:			
Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 427'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 271	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 32
PLOT DATE : 5/7/2020 3:10 PM
PLOT BY : DAN BECKER
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 34

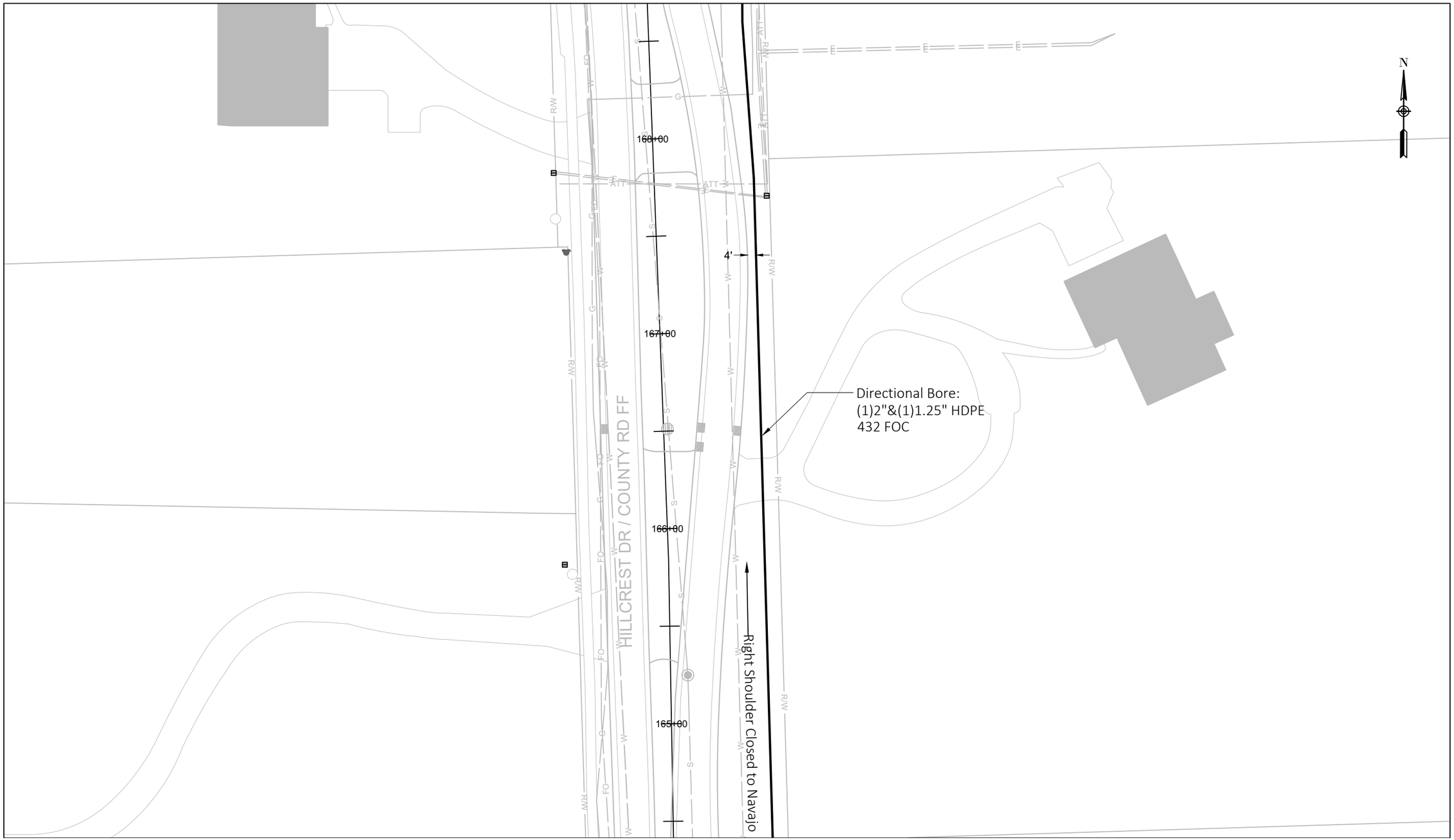


See Sheet 32

Estimated Quantities:

Directional Bore:	425'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 425'	Place 216 FOC in duct: 0'

See Sheet 35



See Sheet 33

Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 427'	Place 216 FOC in duct: 0'

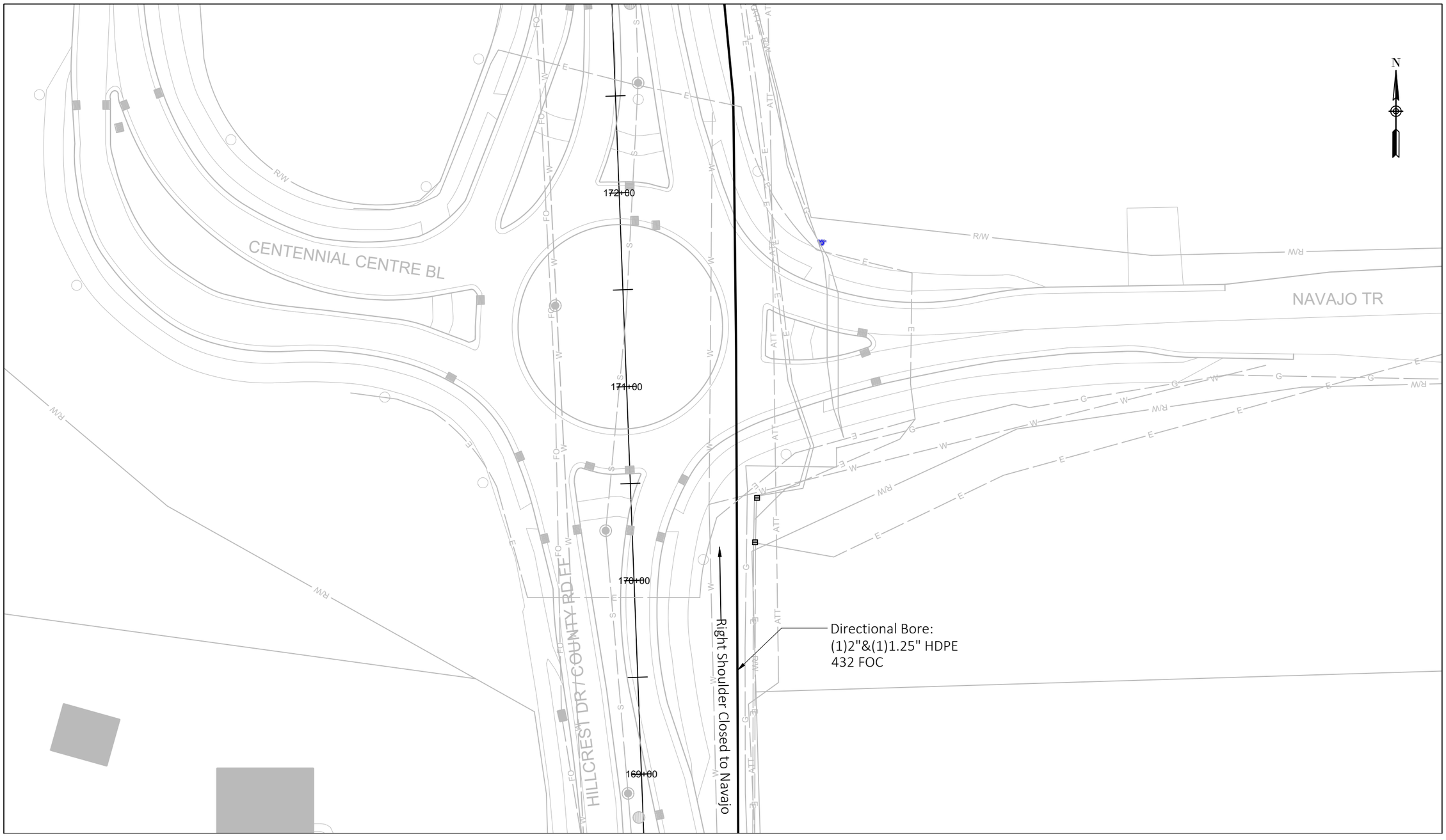
PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 273	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 34

PLOT DATE : 5/7/2020 3:10 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

See Sheet 36



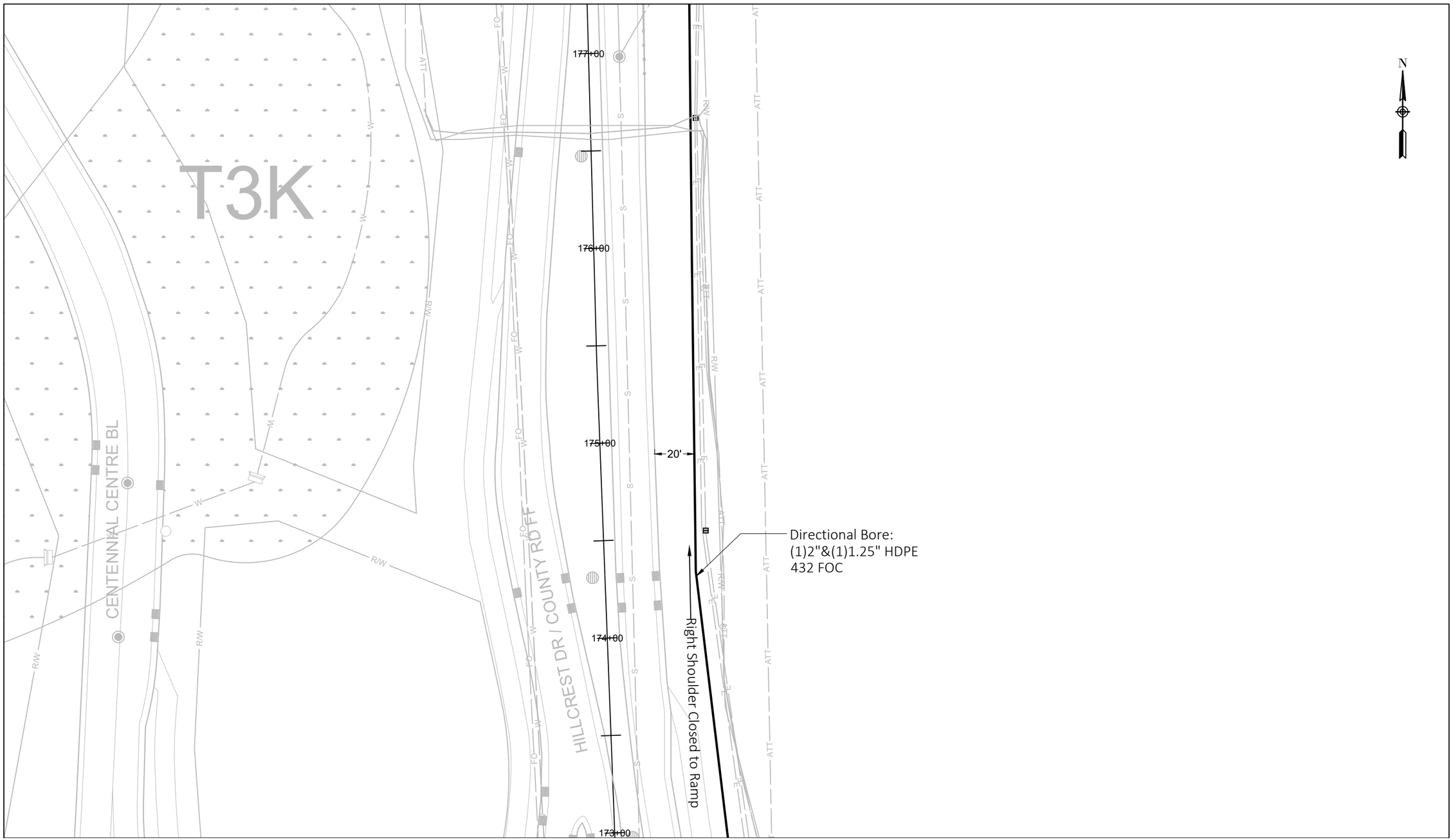
See Sheet 34

Estimated Quantities:			
Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 427'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 274	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 35
PLOT DATE : 5/7/2020 3:11 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 37



See Sheet 35

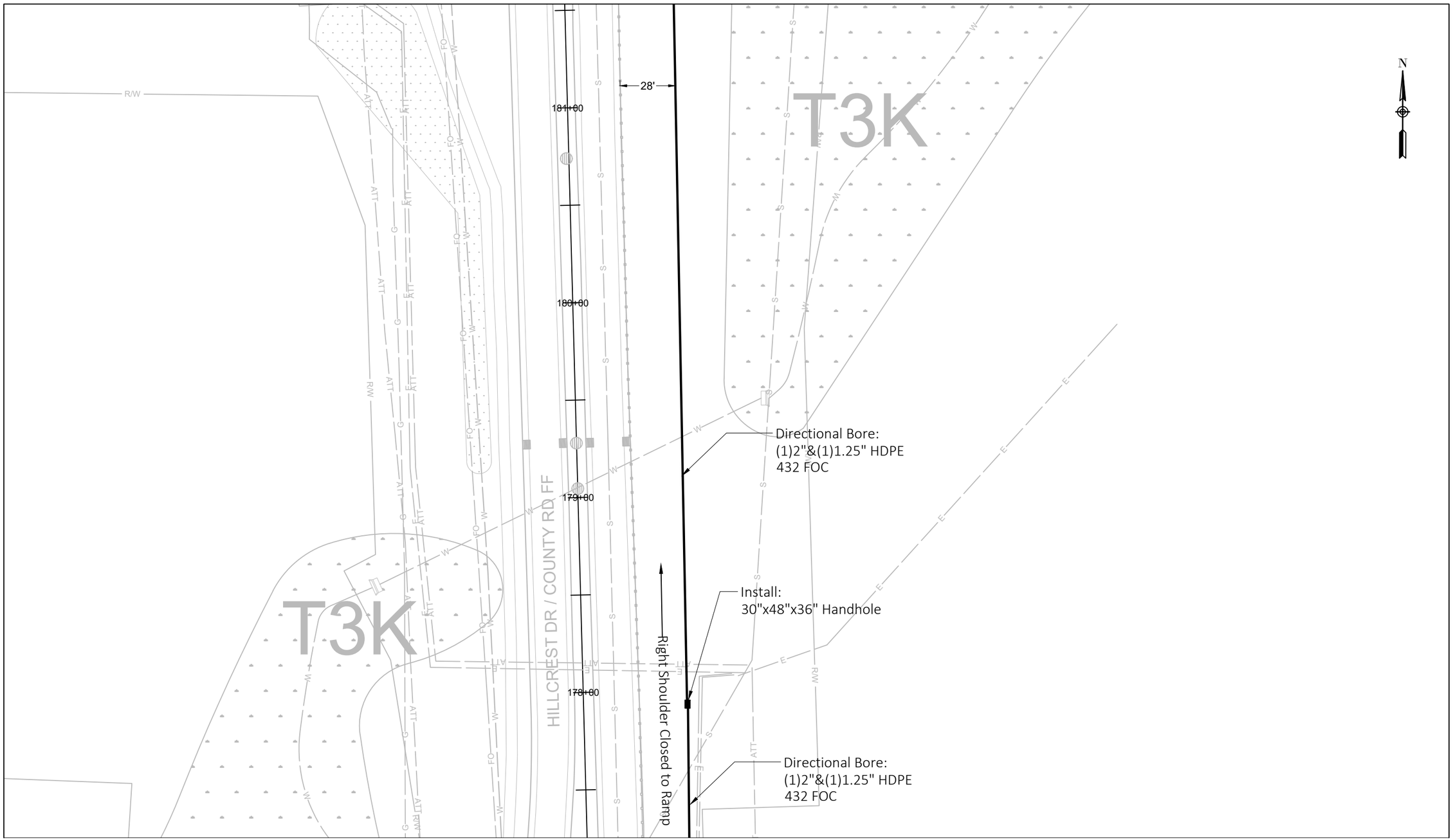
Estimated Quantities:

Directional Bore:	428'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 428'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 275	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 36
PLOT DATE : 5/7/2020 3:11 PM
PLOT BY : DAN BECKER
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 38



See Sheet 36

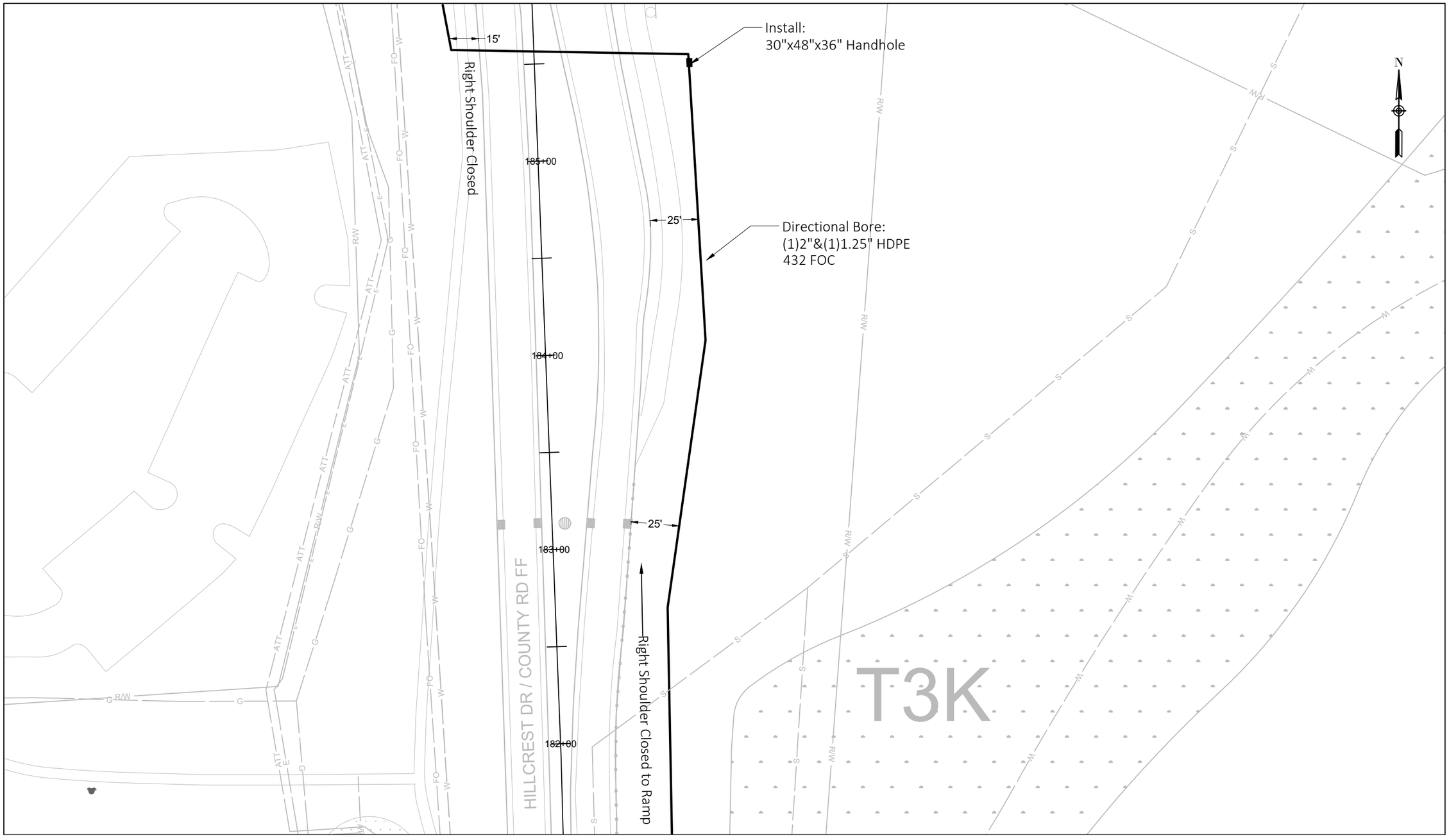
Estimated Quantities:

Directional Bore:	425'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 425'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 276	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 37
PLOT DATE : 5/7/2020 3:12 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 39

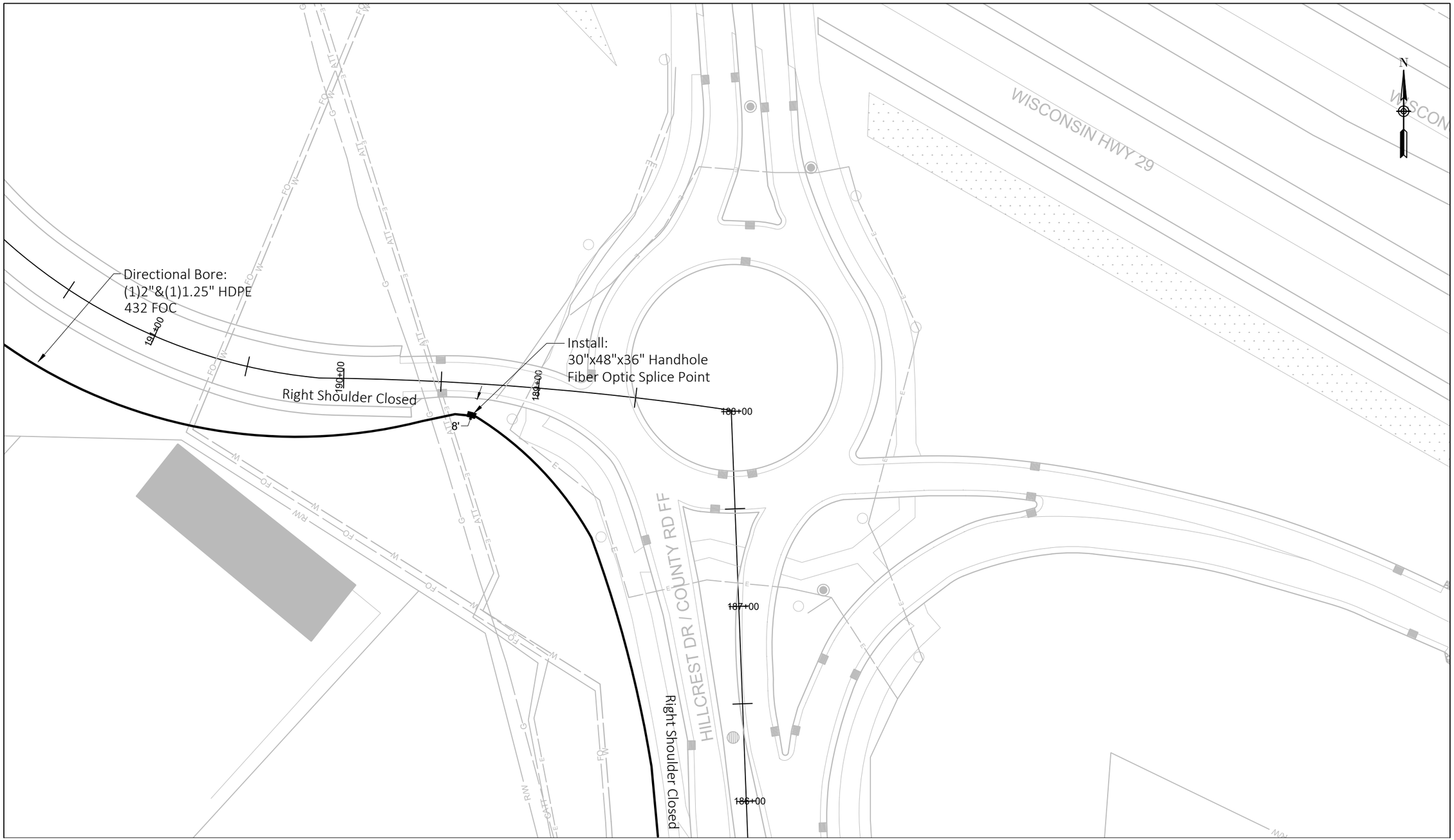


See Sheet 37

Estimated Quantities:			
Directional Bore:	550'	Handhole Installation: 0	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 550'	Place 216 FOC in duct: 0'

2

See Sheet 40



See Sheet 38

Estimated Quantities:

Directional Bore:	495'	Handhole Installation: 1	Store cable expansion in handhole: 200'
Plow:	0'	Place 432 FOC in duct: 495'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 278	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 39
PLOT DATE : 5/7/2020 3:13 PM
PLOT BY : DAN BECKER
PLOT NAME :
PLOT SCALE : ############
WISDOT/CADDS SHEET 42

40

See Sheet 41



Estimated Quantities:

Directional Bore:	540'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 540'	Place 216 FOC in duct: 0'

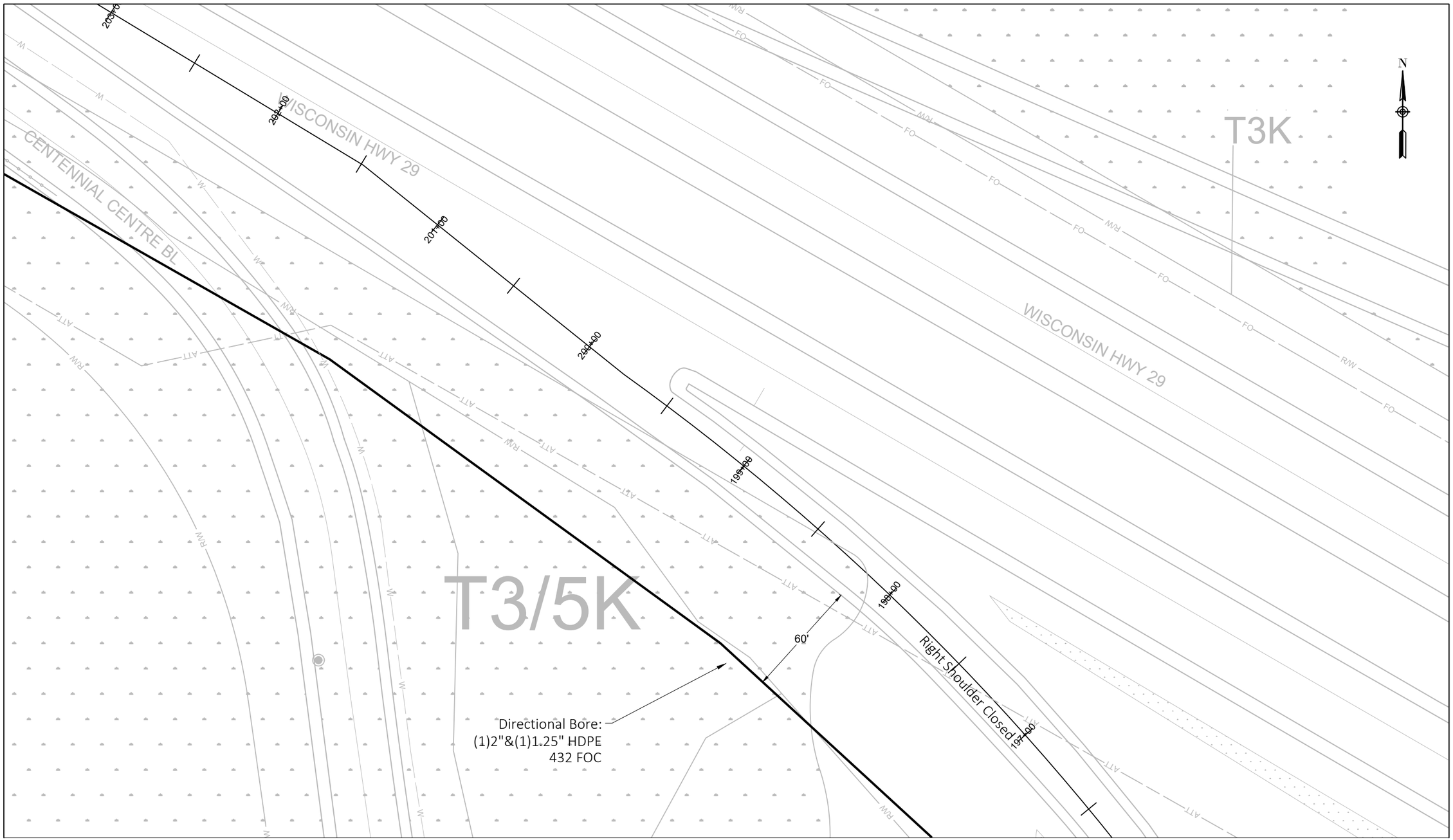
PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 279	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 40

PLOT DATE : 5/7/2020 3:14 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ########## WISDOT/CADDS SHEET 42

41

See Sheet 42



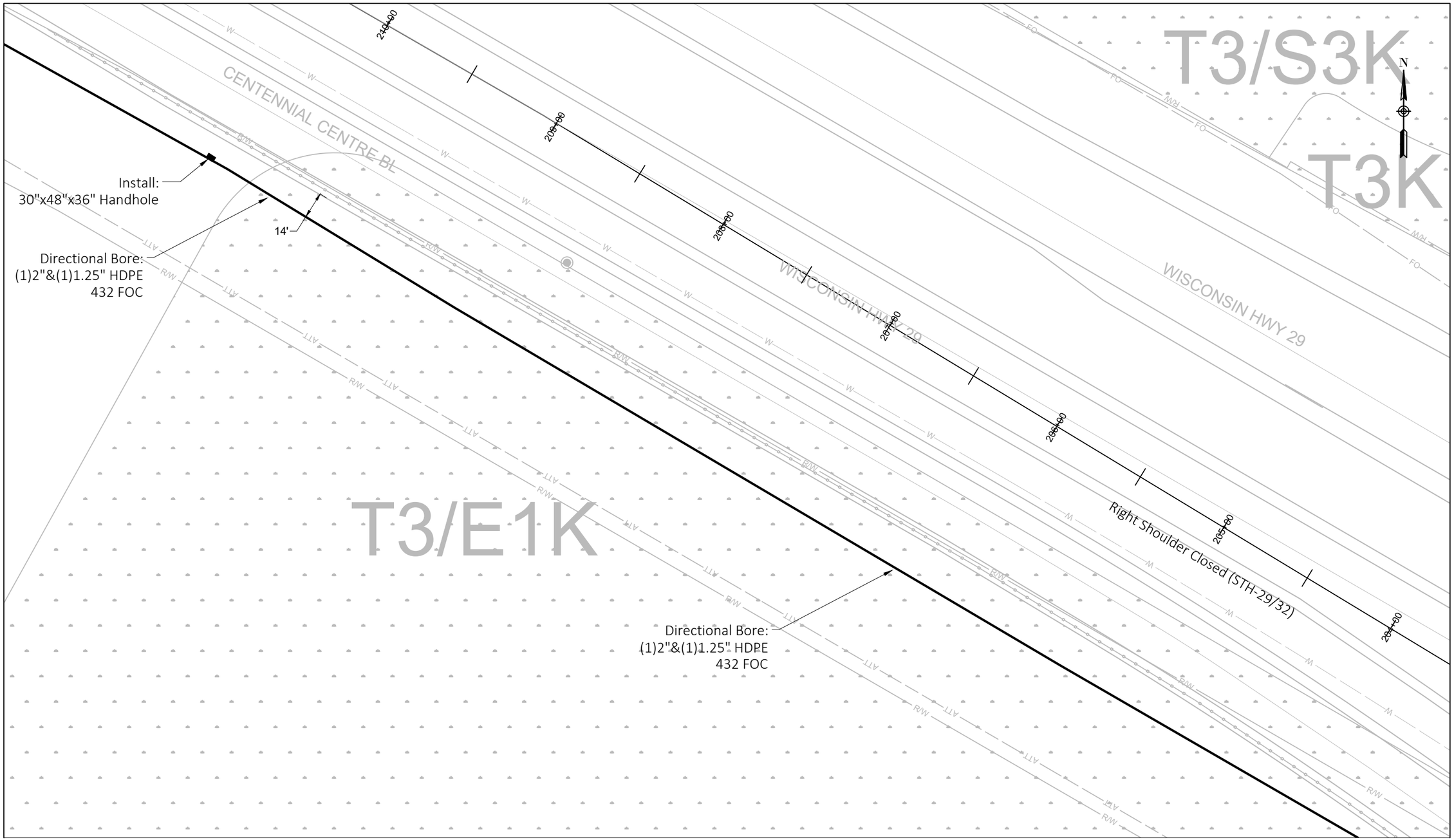
See Sheet 40

Estimated Quantities:			
Directional Bore:	605'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 605'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 280	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 41
PLOT DATE : 5/7/2020 3:14 PM
PLOT BY : DAN BECKER
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 43



See Sheet 41

Estimated Quantities:

Directional Bore:	860	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 860'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 281 E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 42
PLOT DATE : 5/7/2020 3:15 PM
PLOT BY : DAN BECKER
PLOT NAME :
PLOT SCALE : ############
WISDOT/CADDS SHEET 42

2

43

2

See Sheet 44

N

216+00

217+00

218+00

215+00

214+00

213+00

212+00

211+00

WISCONSIN HWY 29

WISCONSIN HWY 29

CENTENNIAL CENTRE BL

Right Shoulder Closed (STH-29/32)

FO RW W ATT R/W

25'

31'

Directional Bore:
(1)2"&(1)1.25" HDPE
432 FOC

See Sheet 42

Estimated Quantities:

Directional Bore:	700'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0	Place 432 FOC in duct: 700'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 282	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 43

PLOT DATE : 5/7/2020 3:15 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ########### WISDOT/CADDS SHEET 42

See Sheet 45

Plow:
(1)2"&(1)1.25" HDPE
432 FOC

63'

5'

Install:
30"x48"x36" Handhole

225+00

224+00

223+00

222+80

221+00

220+00

219+00

76'

WISCONSIN HWY 29

WISCONSIN HWY 29

CENTENNIAL CENTRE BL

R/W

ATT

FO

W

N

Plow:
(1)2"&(1)1.25" HDPE
432 FOC

Directional Bore:
(1)2"&(1)1.25" HDPE
432 FOC

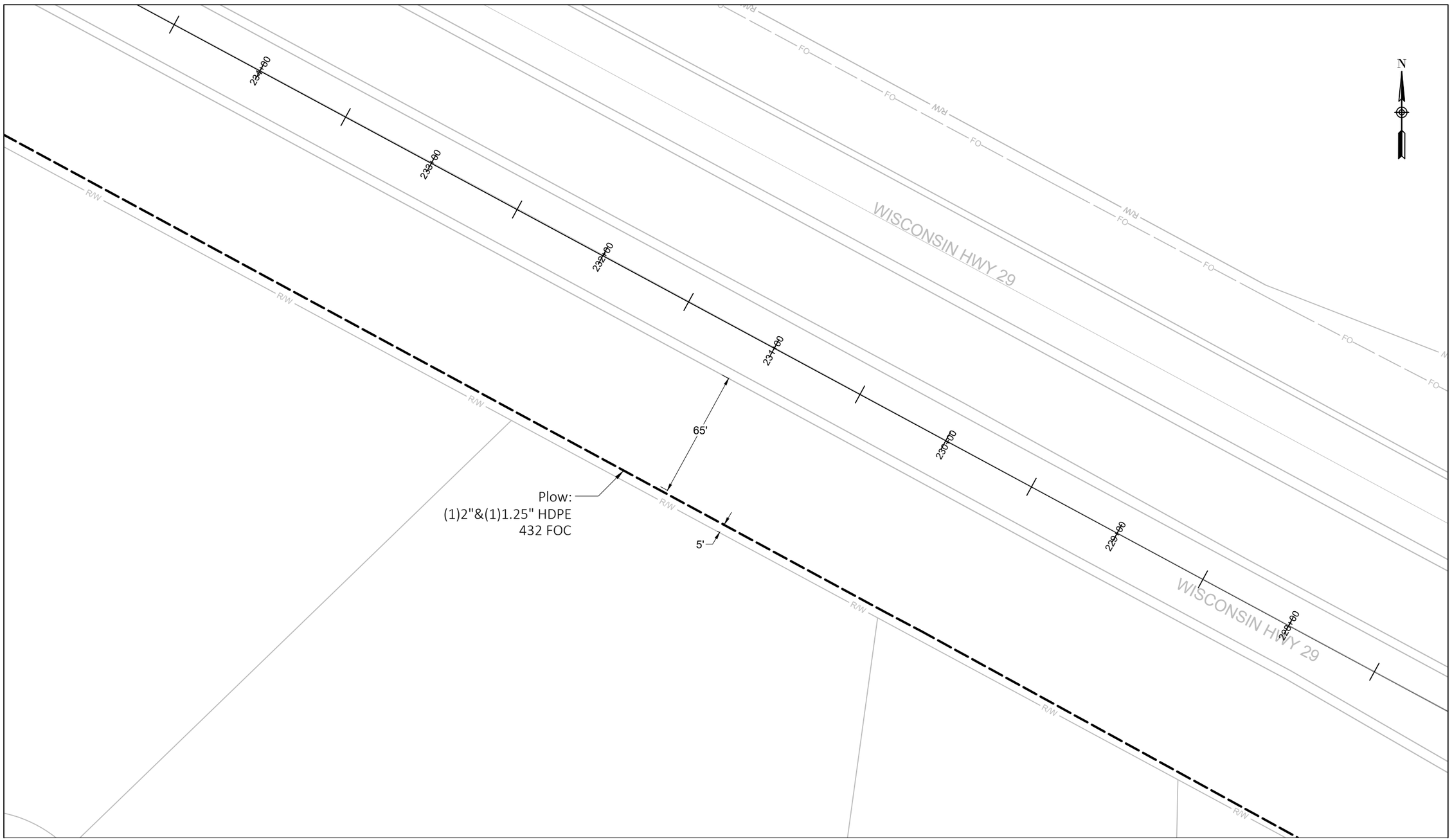
See Sheet 43

Estimated Quantities:

Directional Bore:	85'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	760'	Place 432 FOC in duct: 845'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 283	E

See Sheet 46

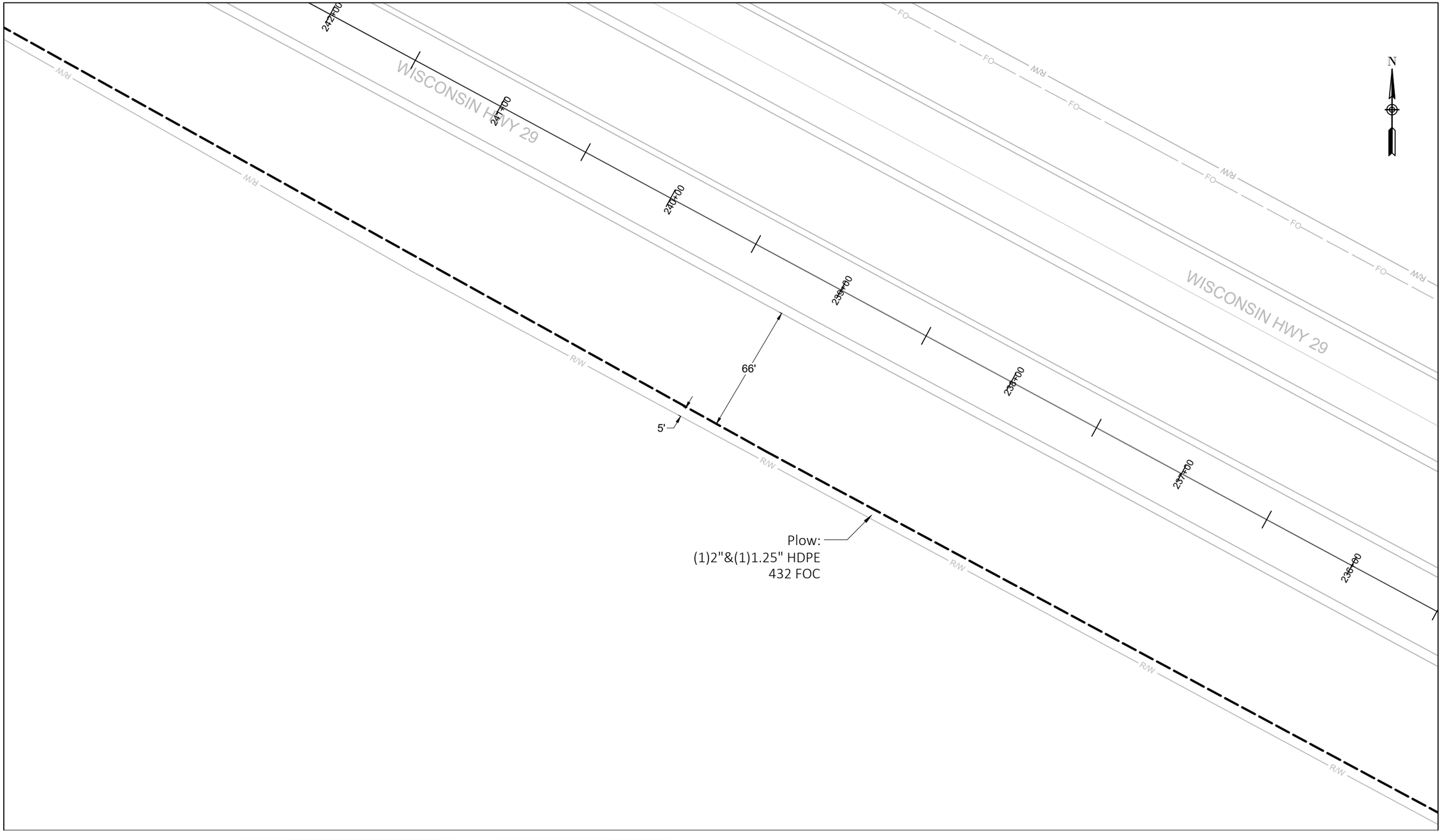


See Sheet 44

Estimated Quantities:

Directional Bore:	0'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	805'	Place 432 FOC in duct: 805'	Place 216 FOC in duct: 0'

46 *See Sheet 47*

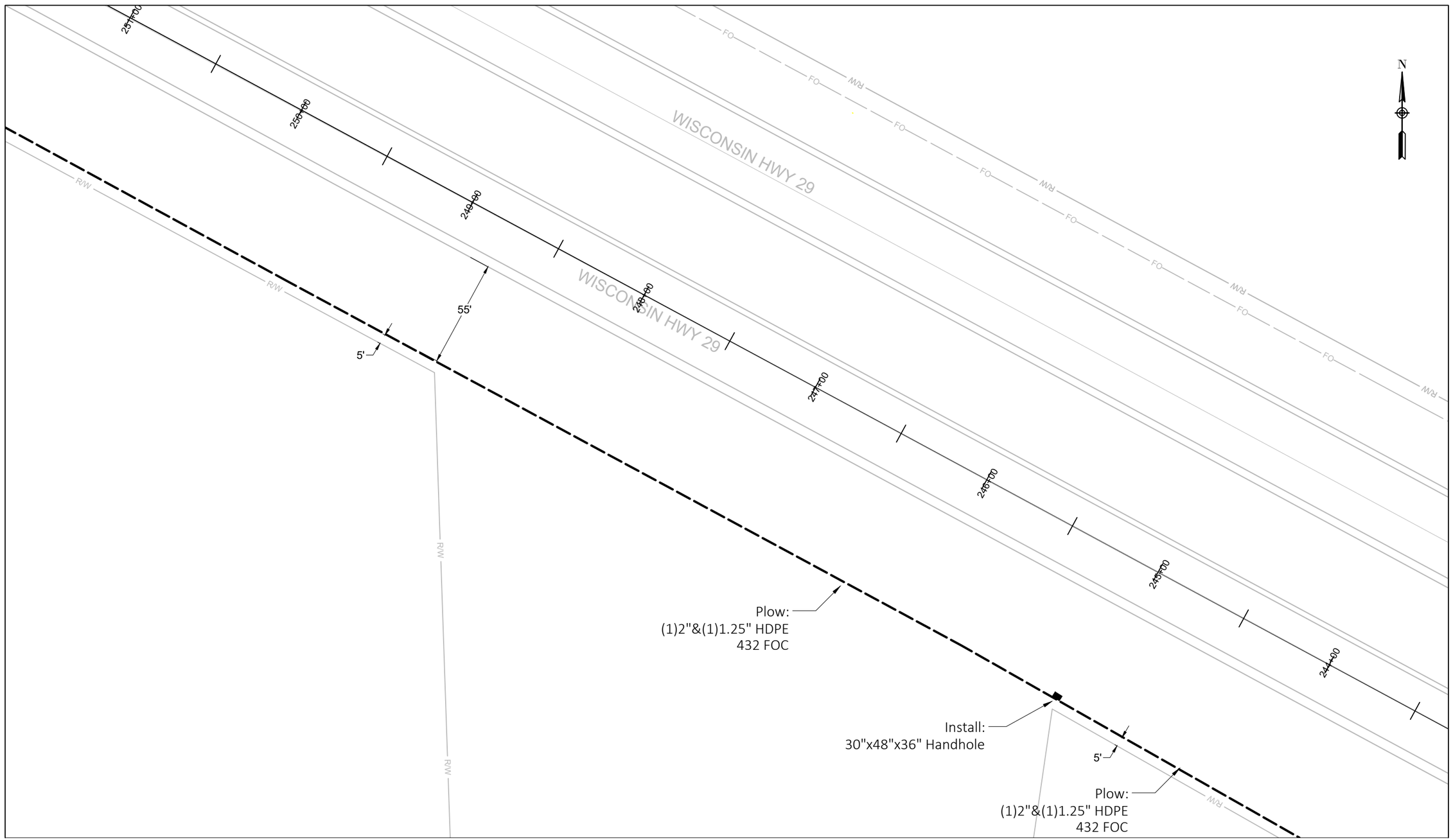


Estimated Quantities:

Directional Bore:	0'	Handhole Installation:	0	Store cable expansion in handhole:	0'
Plow:	850'	Place 432 FOC in duct:	850'	Place 216 FOC in duct:	0'

47

See Sheet 48



See Sheet 46

Estimated Quantities:

Directional Bore:	0'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	785'	Place 432 FOC in duct: 785'	Place 216 FOC in duct: 0'

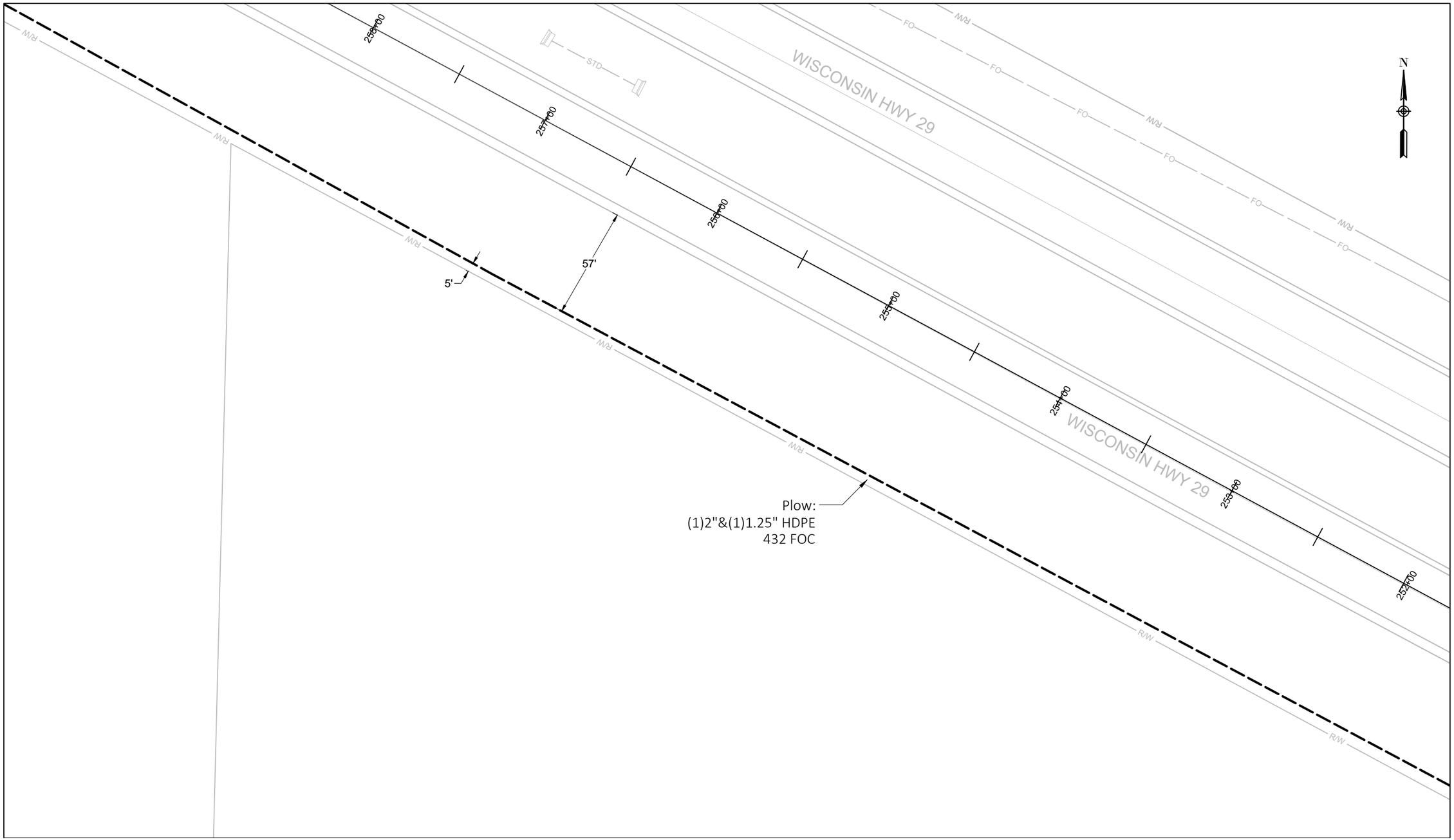
PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 286 E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 47

PLOT DATE : 5/7/2020 3:17 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

48 *See Sheet 49*



2

Estimated Quantities:

Directional Bore:	0'	Handhole Installation:	0	Store cable expansion in handhole:	0'
Plow:	825'	Place 432 FOC in duct:	825'	Place 216 FOC in duct:	0'

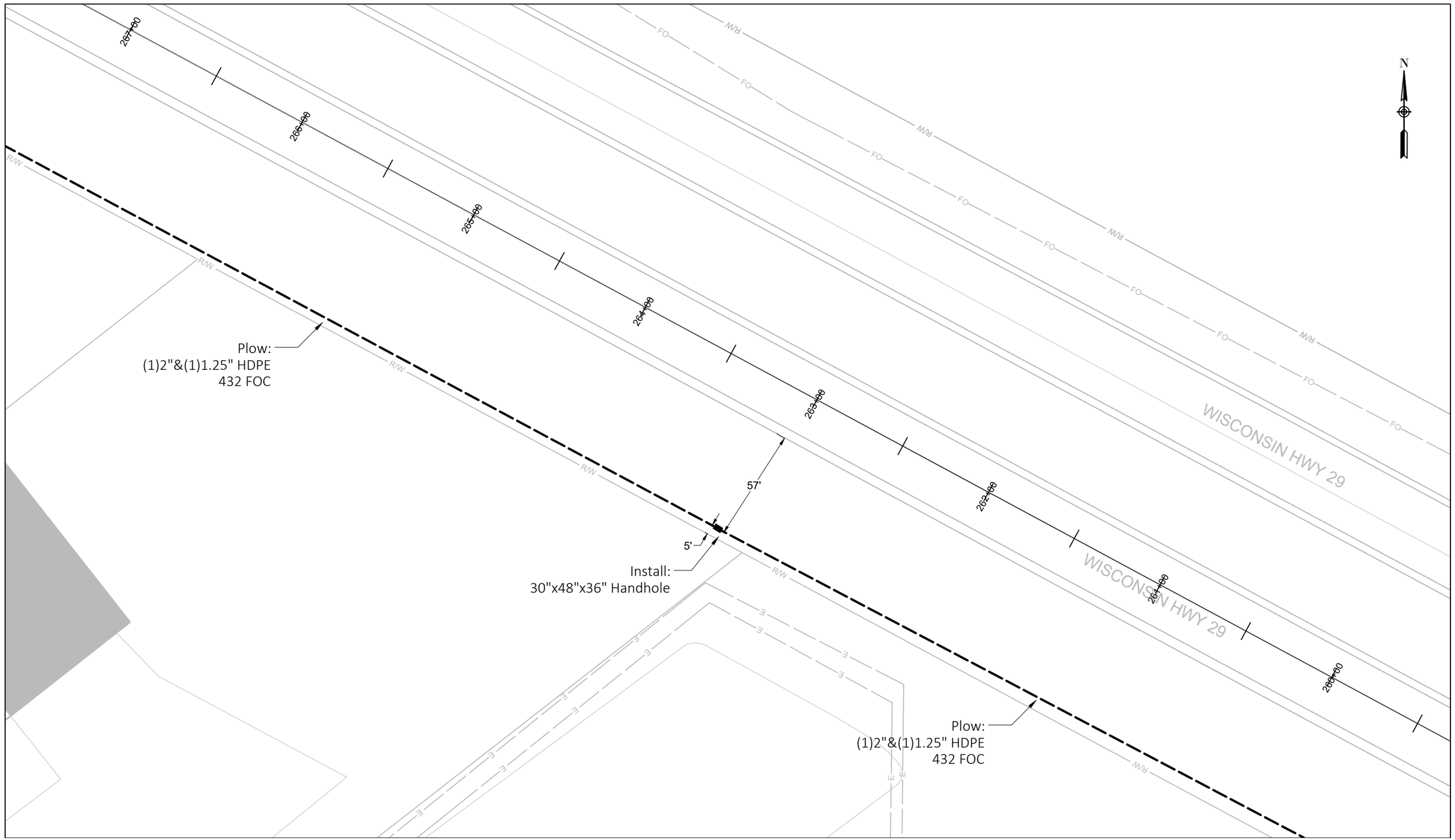
PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 287	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 48

PLOT DATE : 5/7/2020 3:18 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

See Sheet 50



See Sheet 48

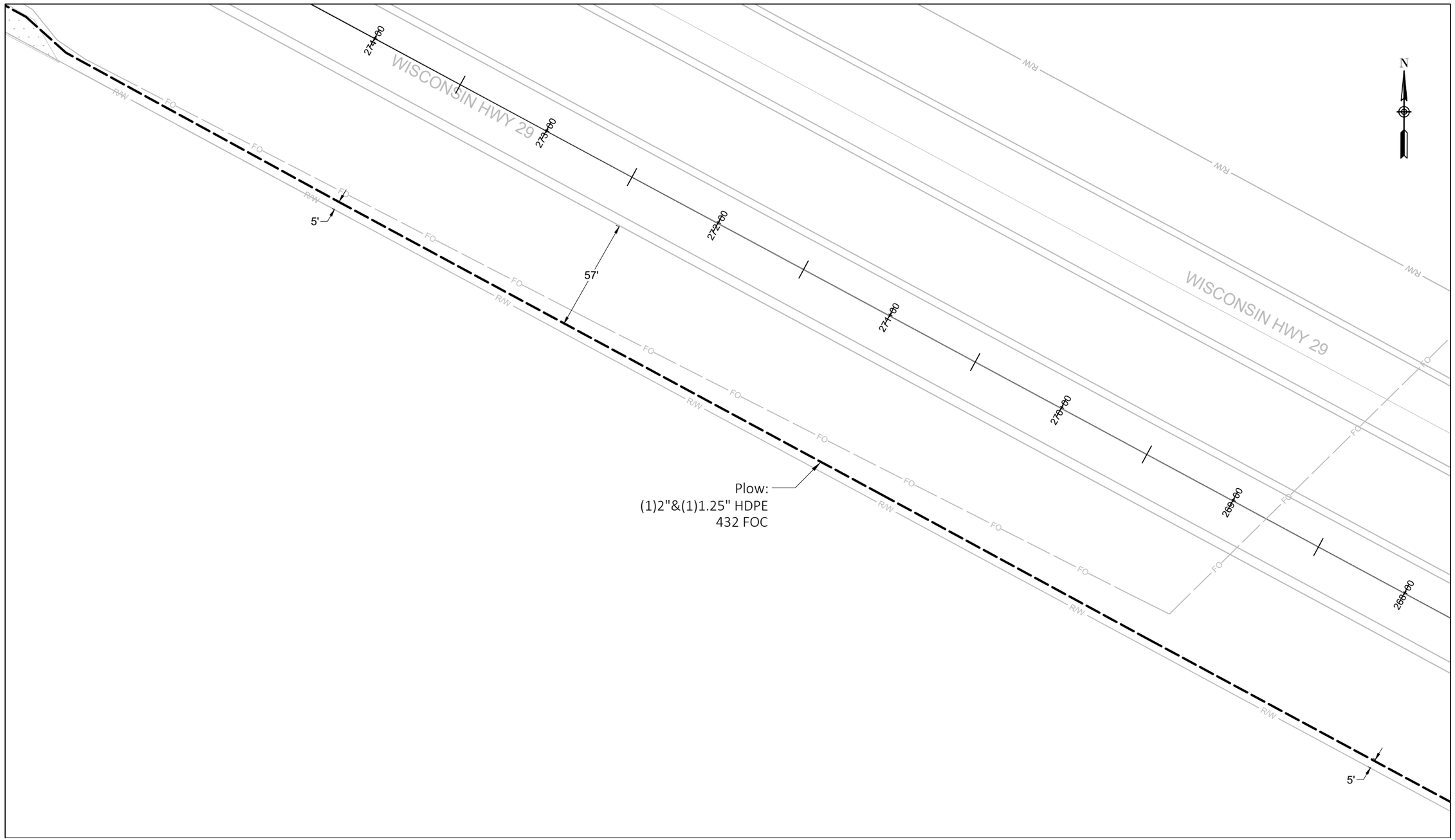
Estimated Quantities:

Directional Bore:	0'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	760'	Place 432 FOC in duct: 760'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 288	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 49
PLOT DATE : 5/7/2020 3:18 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

50 *See Sheet 51*

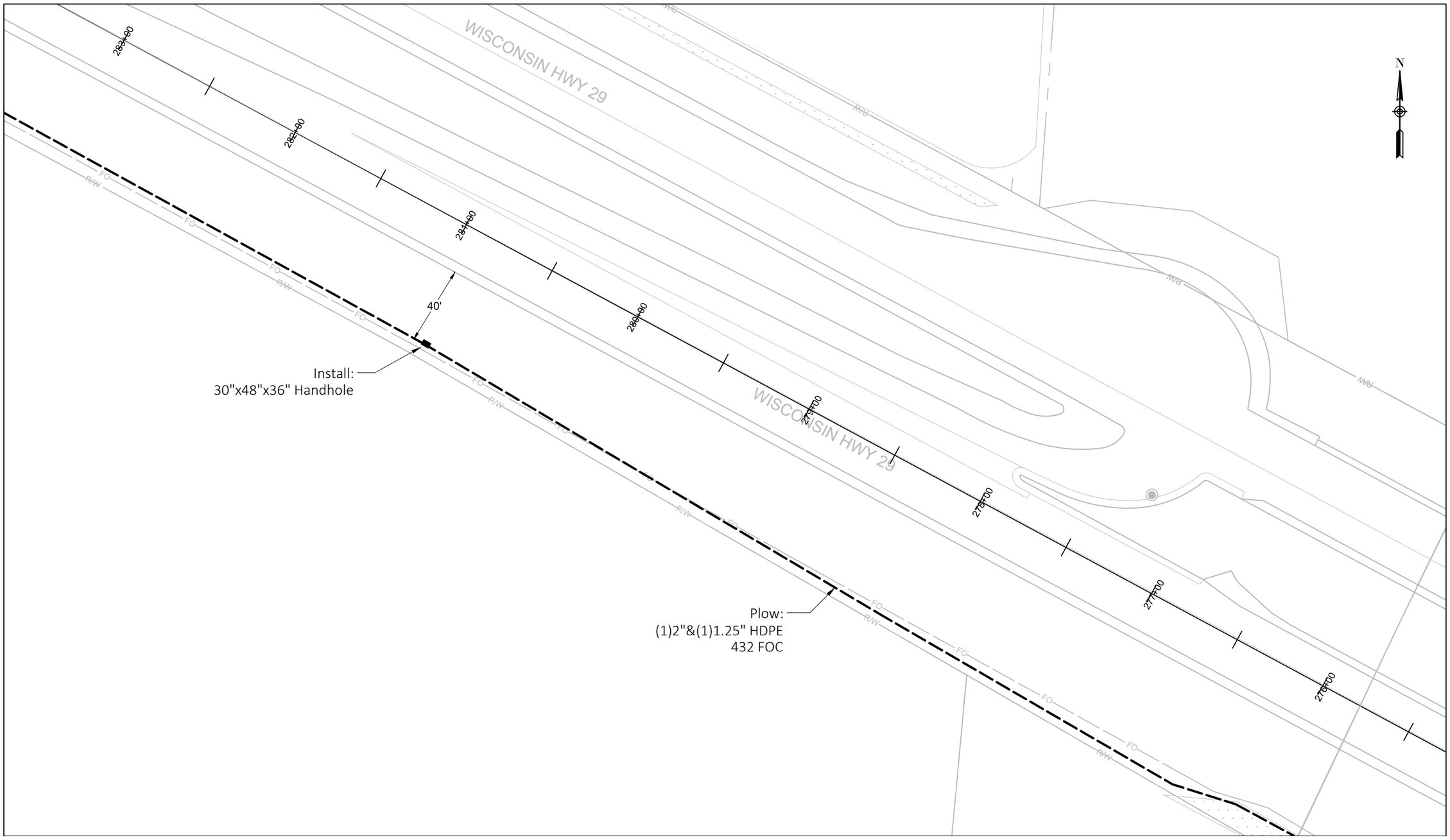


Estimated Quantities:

Directional Bore:	0'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	845'	Place 432 FOC in duct: 845'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 289	E

See Sheet 52

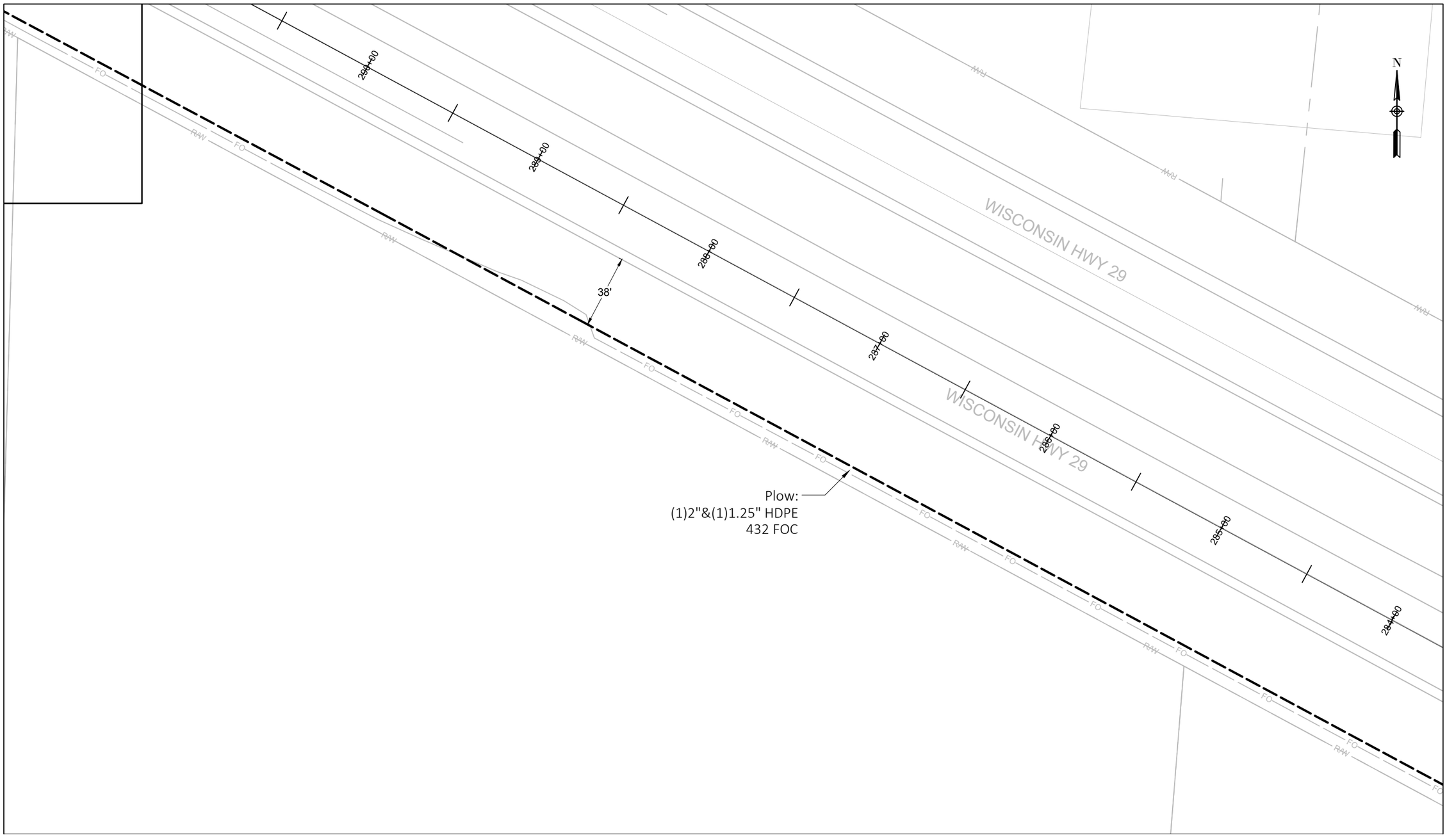


See Sheet 50

Estimated Quantities:

Directional Bore:	0'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	770'	Place 432 FOC in duct: 770'	Place 216 FOC in duct: 0'

52 *See Sheet 53*



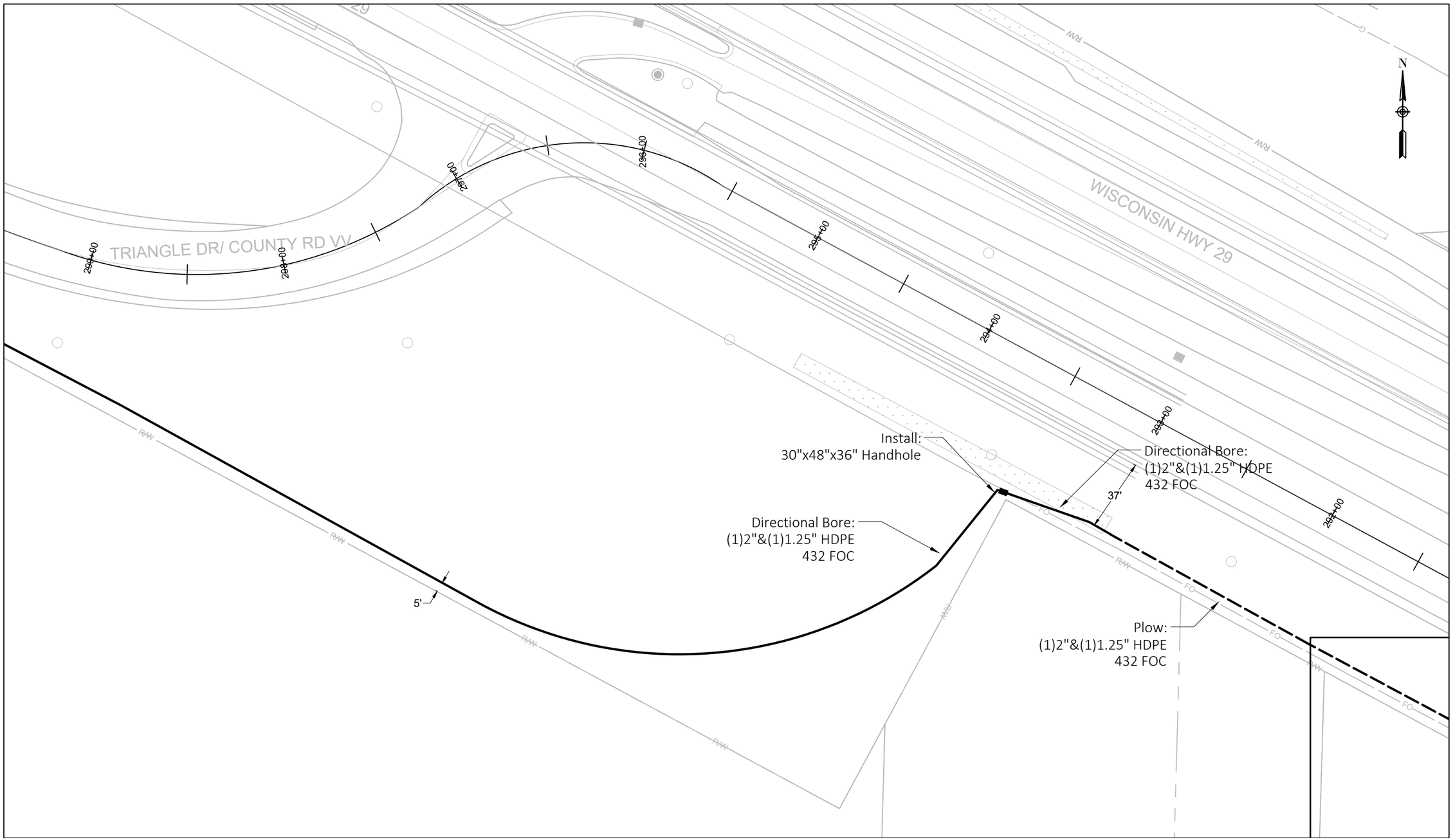
2

Estimated Quantities:

Directional Bore:	0'	Handhole Installation:	0	Store cable expansion in handhole:	0'
Plow:	835'	Place 432 FOC in duct:	835'	Place 216 FOC in duct:	0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 291	E

2



See Sheet 54

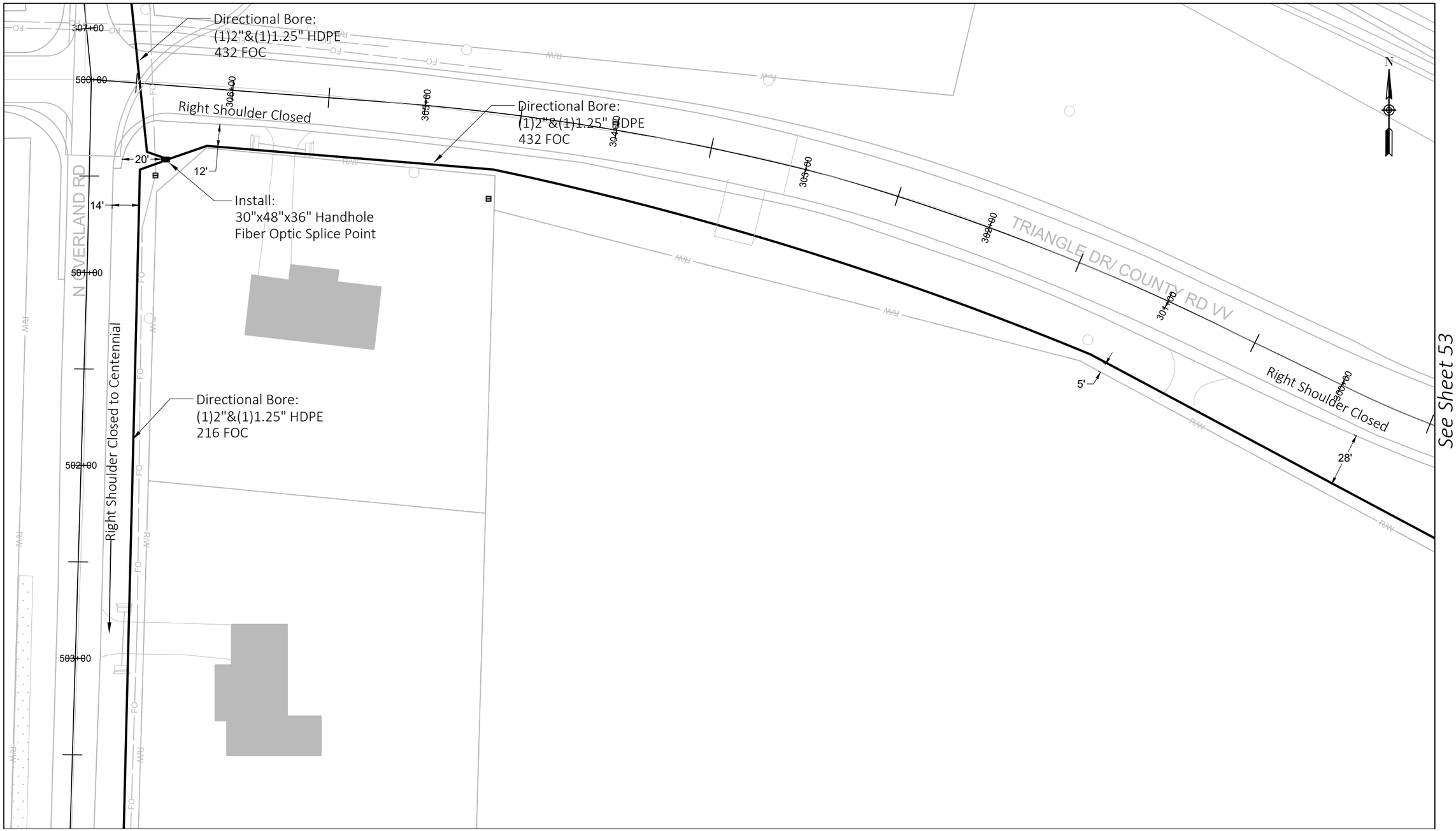
See Sheet 52

Estimated Quantities:

Directional Bore:	640'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	115'	Place 432 FOC in duct: 755'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 292	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 53
PLOT DATE : 5/7/2020 3:20 PM
PLOT BY : DAN BECKER
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



See Sheet 55

Estimated Quantities:			
Directional Bore:	1123'	Handhole Installation: 1	Store cable expansion in handhole: 300'
Plow:	0'	Place 432 FOC in duct: 748'	Place 216 FOC in duct: 375'

See Sheet 54



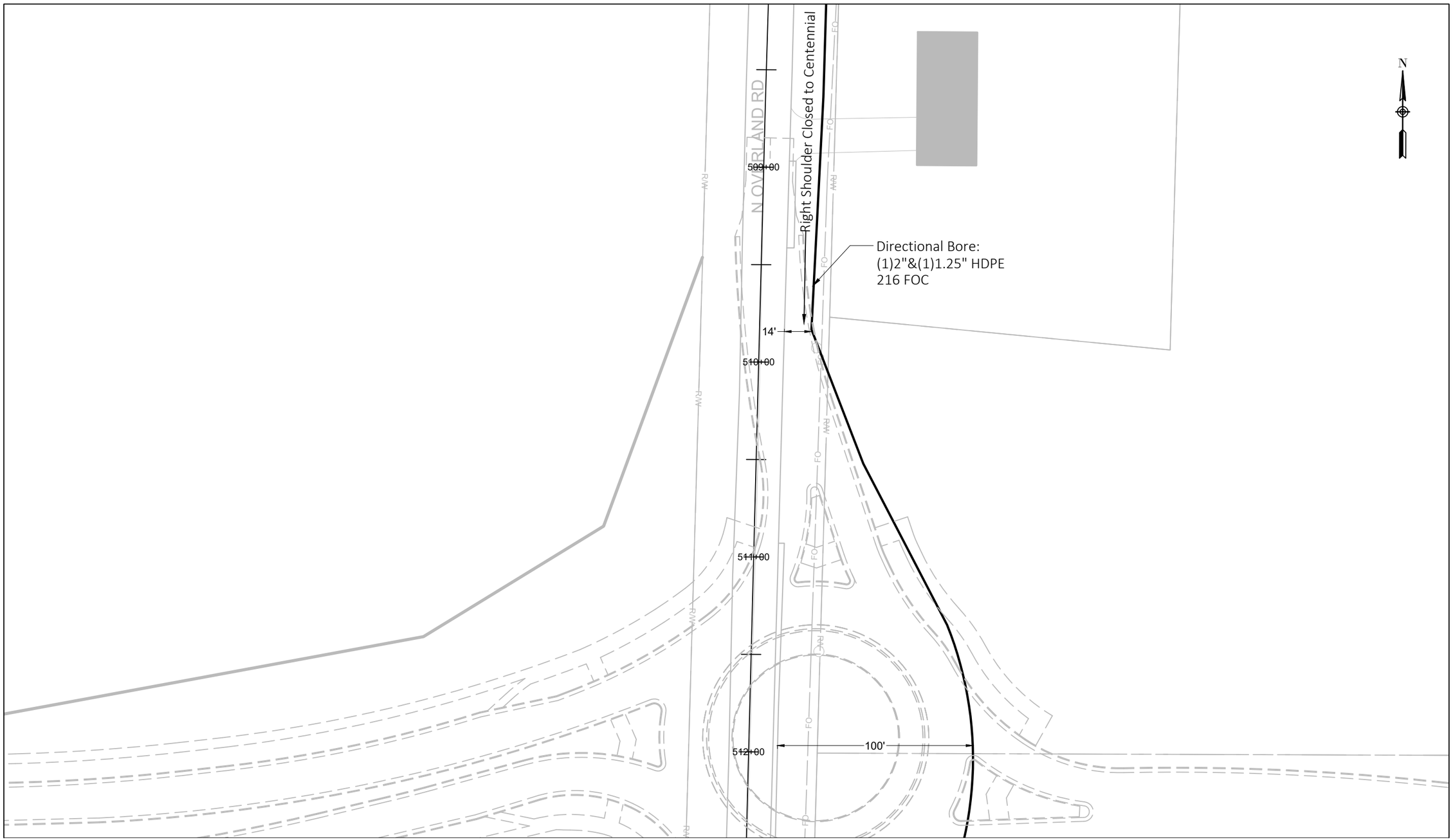
Estimated Quantities:

Directional Bore:	427'	Handhole Installation:	0	Store cable expansion in handhole:	0'
Plow:	0'	Place 432 FOC in duct:	0'	Place 216 FOC in duct:	427'

See Sheet 56

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 294	E

See Sheet 55



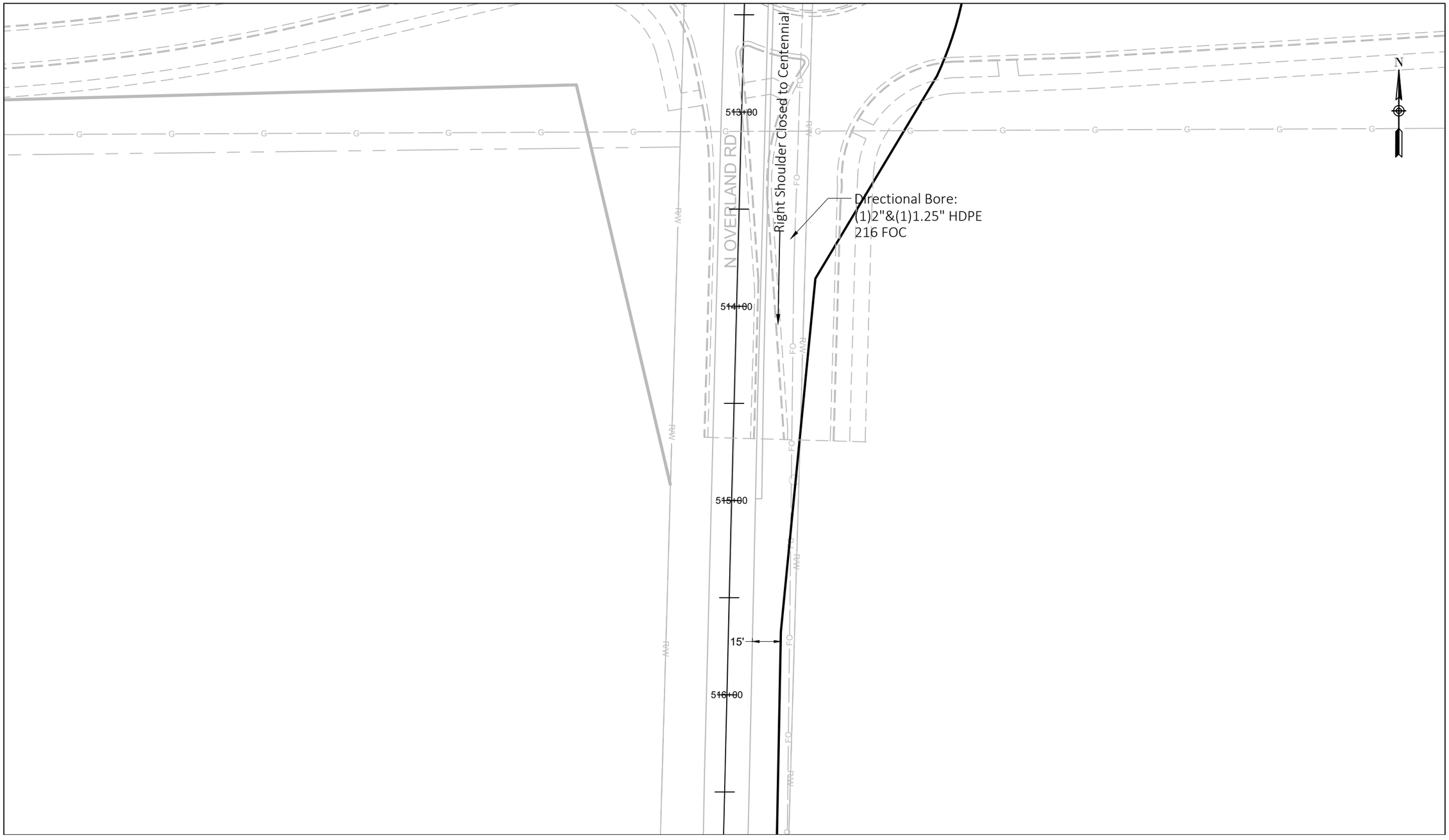
See Sheet 57

Estimated Quantities:

Directional Bore:	485'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 485'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 295 E

See Sheet 56

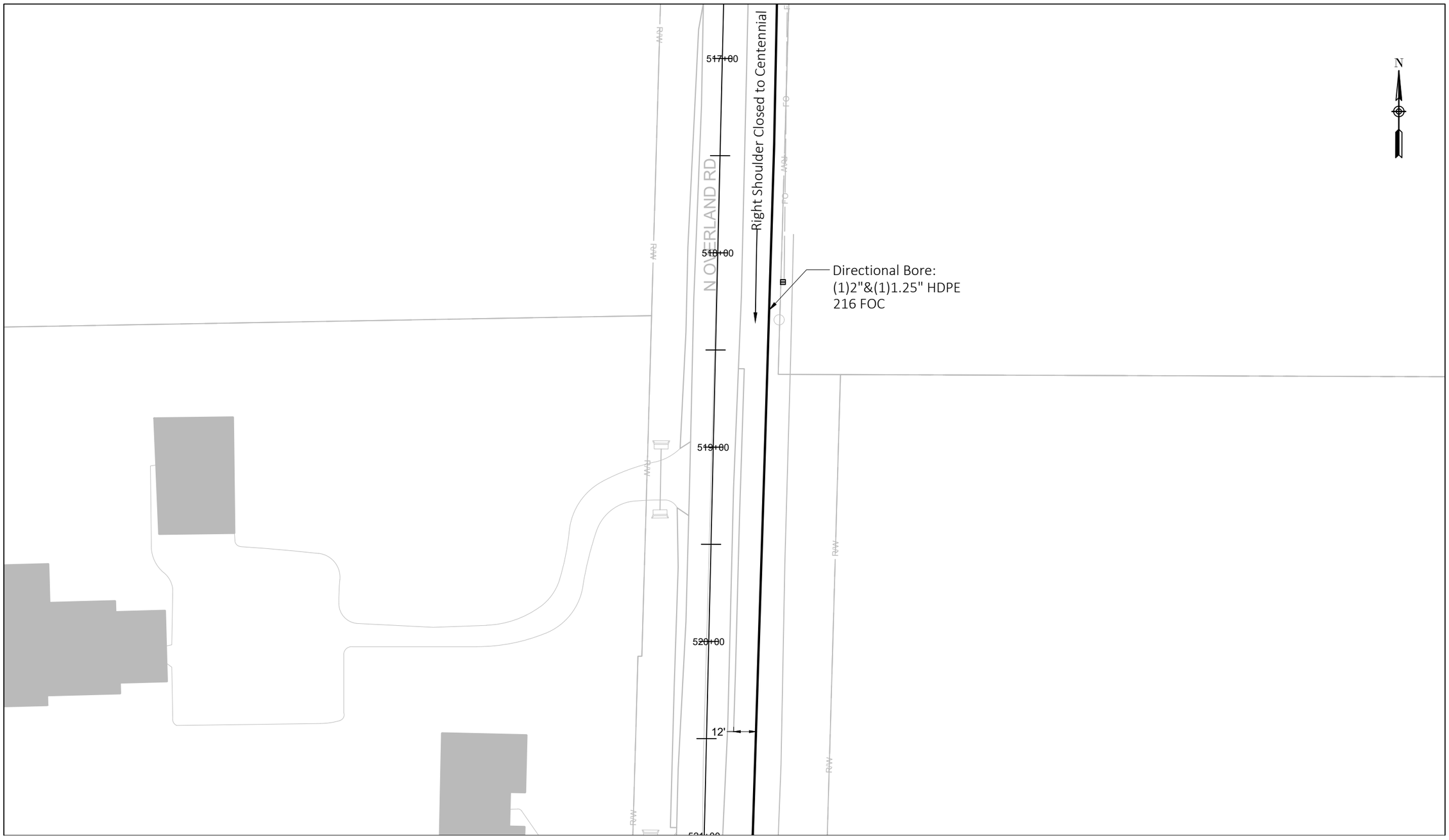


See Sheet 58

Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 427'

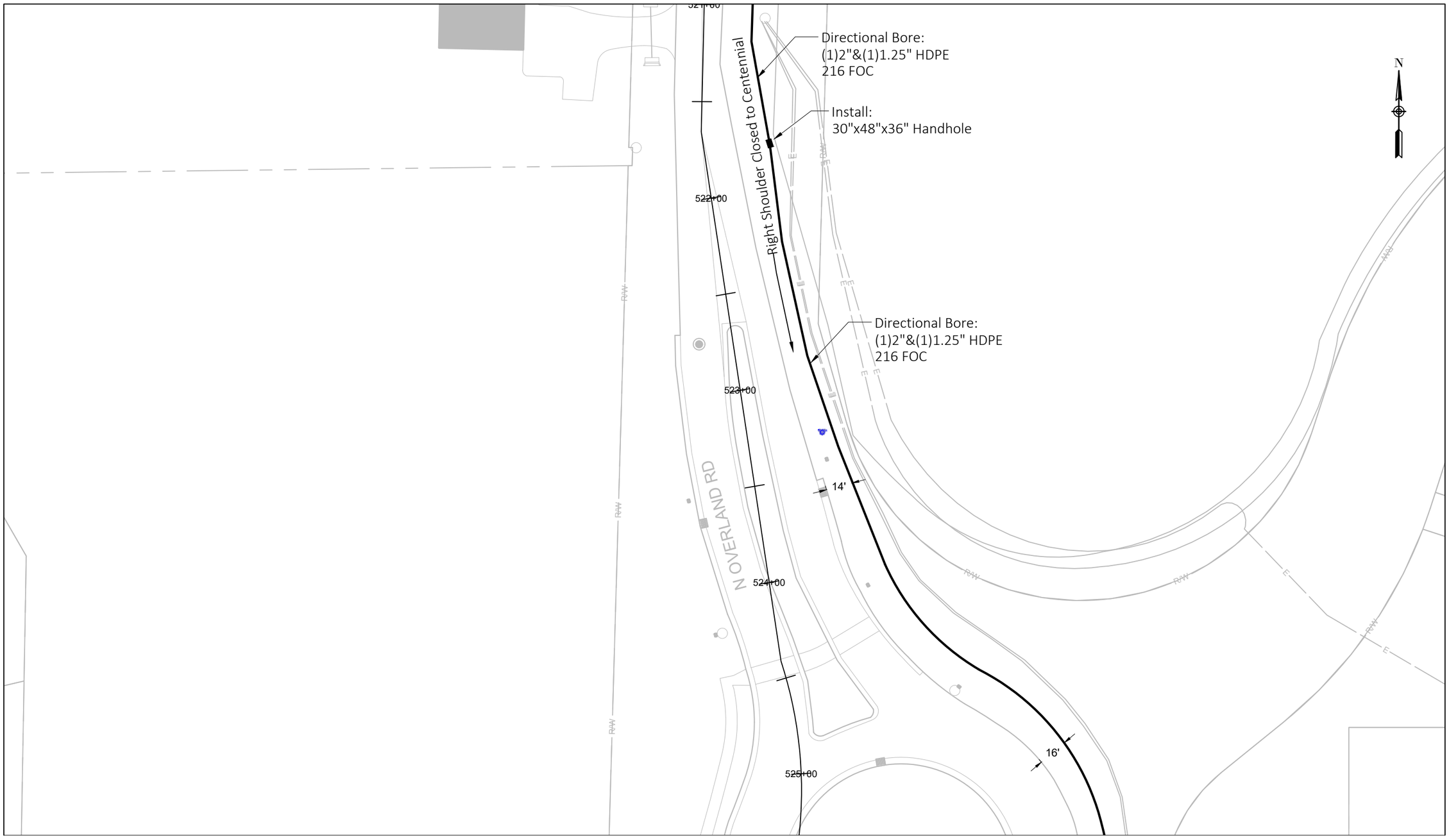
PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 296	E



See Sheet 59

Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 427'

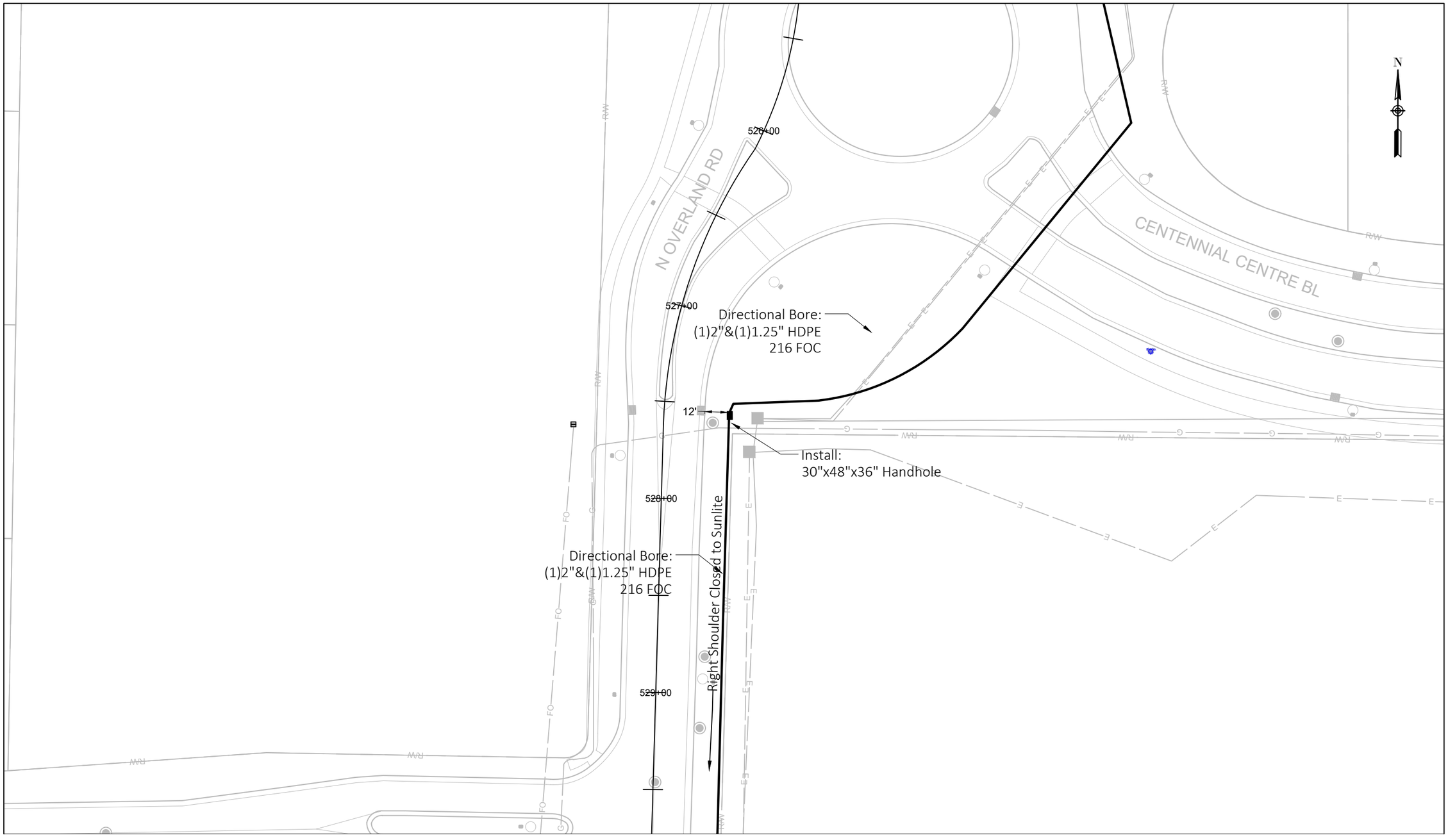


Estimated Quantities:

Directional Bore:	476'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 476'

See Sheet 60

See Sheet 59



Estimated Quantities:

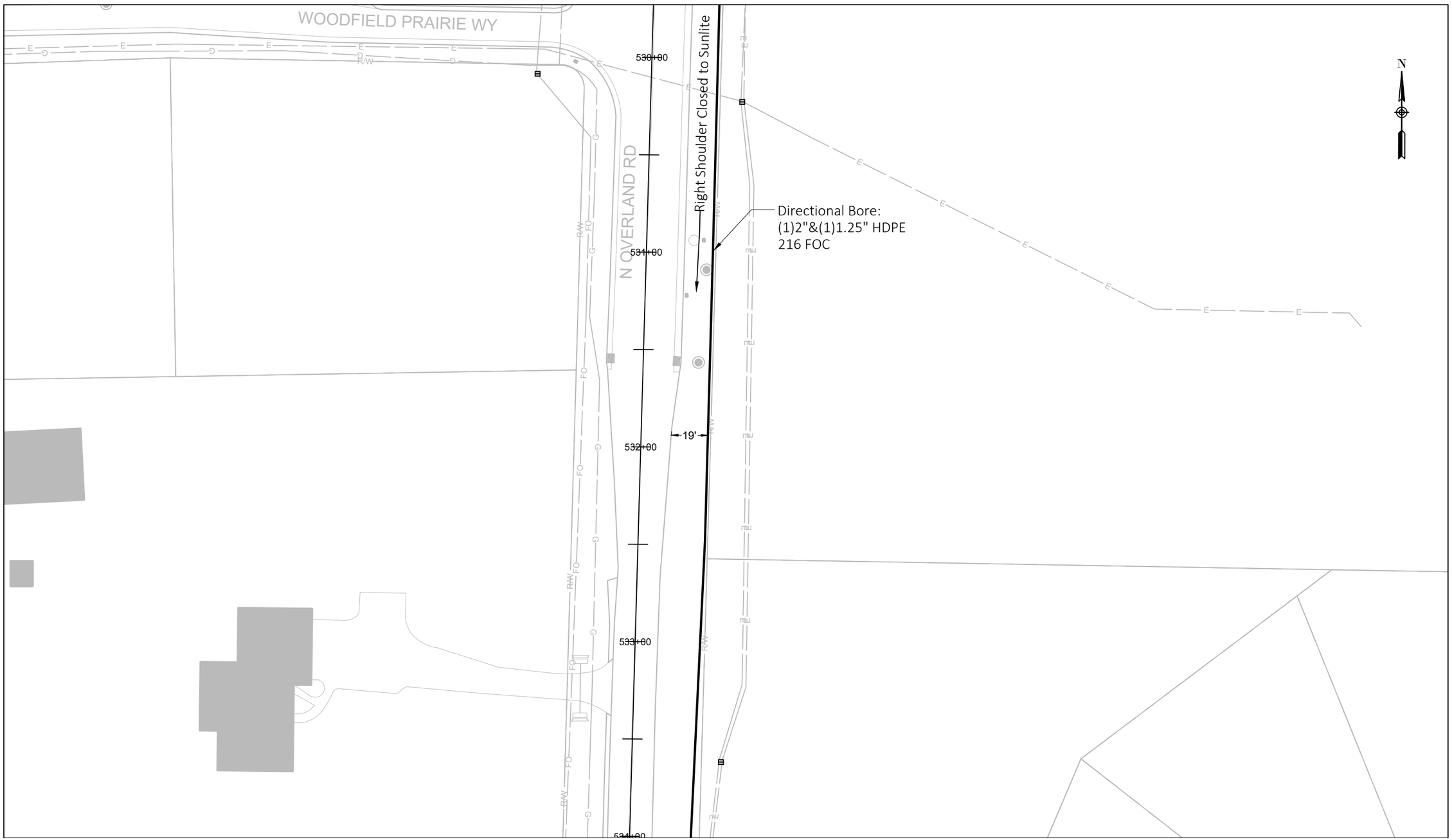
Directional Bore:	520'	Handhole Installation: 1		Store cable expansion in handhole: 100'	
Plow:	0'	Place 432 FOC in duct: 0'		Place 216 FOC in duct: 520'	

See Sheet 61

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 299	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 60
PLOT DATE : 5/7/2020 3:24 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ############
WISDOT/CADDS SHEET 42

See Sheet 60



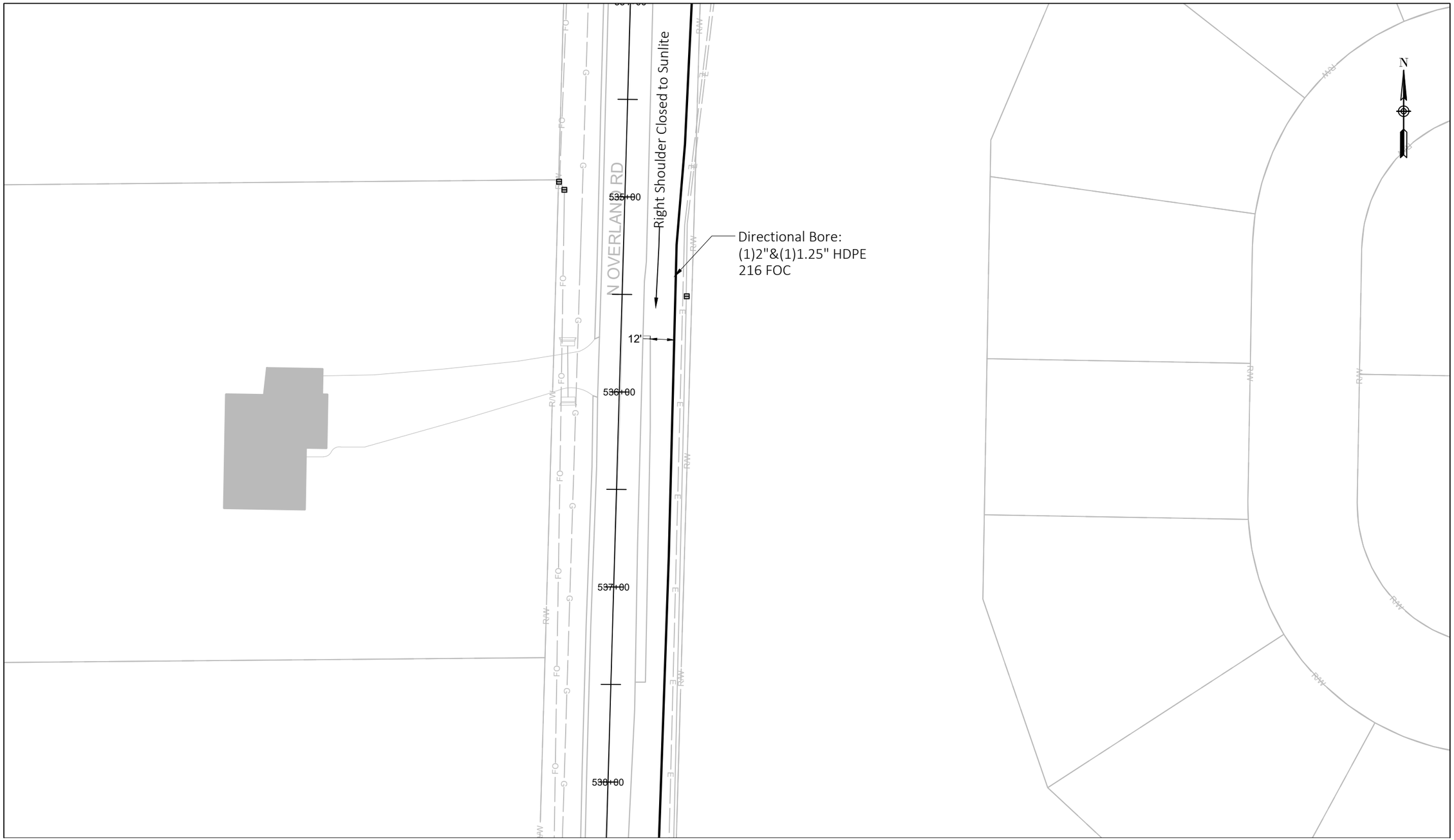
Estimated Quantities:			
Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 427'

See Sheet 62

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 300	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 61
PLOT DATE : 5/7/2020 3:24 PM
PLOT BY : DAN BECKER
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 61



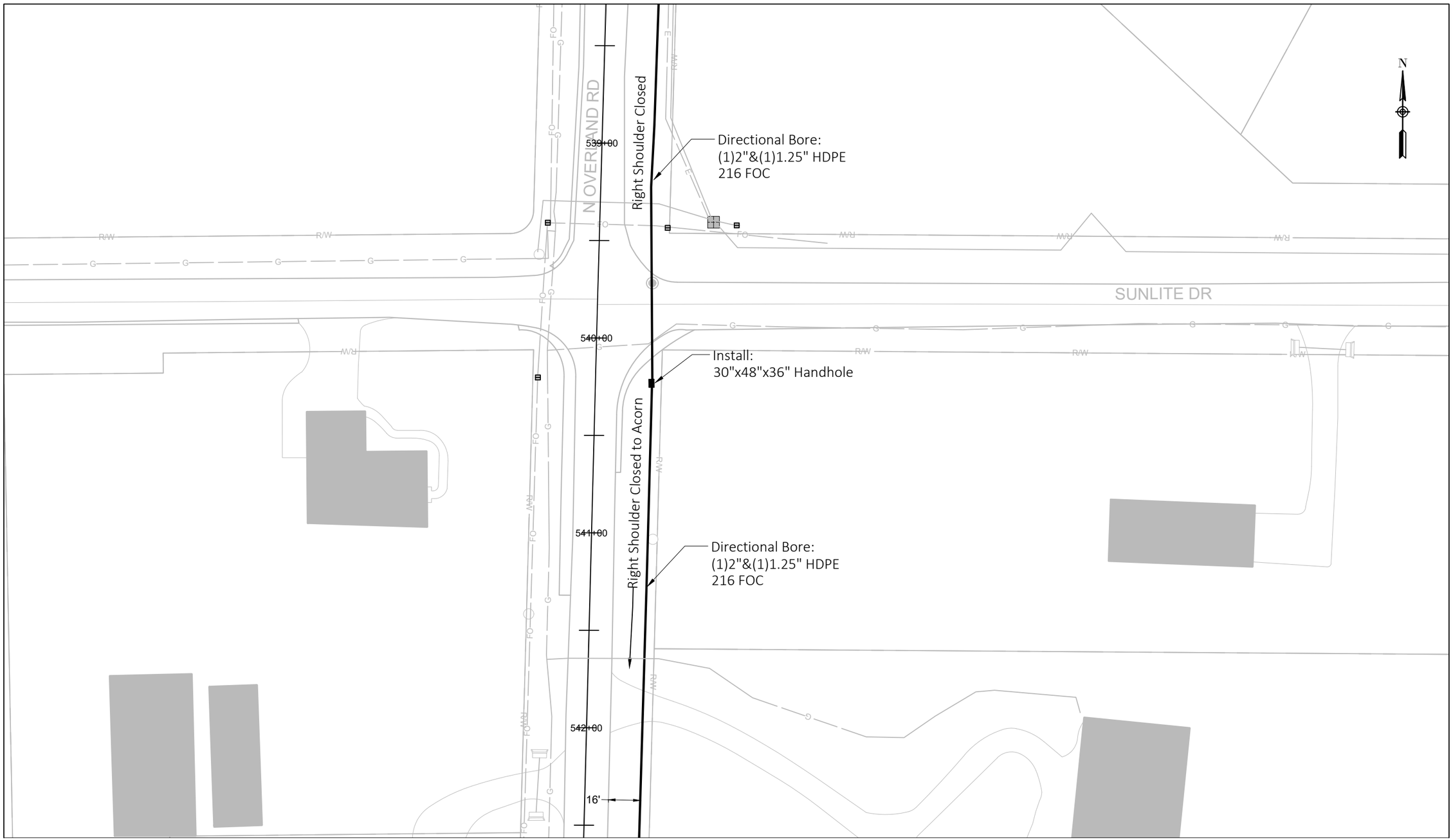
Estimated Quantities:					
Directional Bore:	427'	Handhole Installation: 0		Store cable expansion in handhole: 0'	
Plow:	0'	Place 432 FOC in duct: 0'		Place 216 FOC in duct: 427'	

See Sheet 63

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 301	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 62
PLOT DATE : 5/7/2020 3:25 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ############
WISDOT/CADDS SHEET 42

See Sheet 62



See Sheet 64

Estimated Quantities:

Directional Bore:	423'	Handhole Installation:	1	Store cable expansion in handhole:	100'
Plow:	0'	Place 432 FOC in duct:	0'	Place 216 FOC in duct:	423'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 302 E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 63
PLOT DATE : 5/7/2020 3:25 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########

See Sheet 63



See Sheet 65

Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 427'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 303 E

See Sheet 64



See Sheet 66

Estimated Quantities:

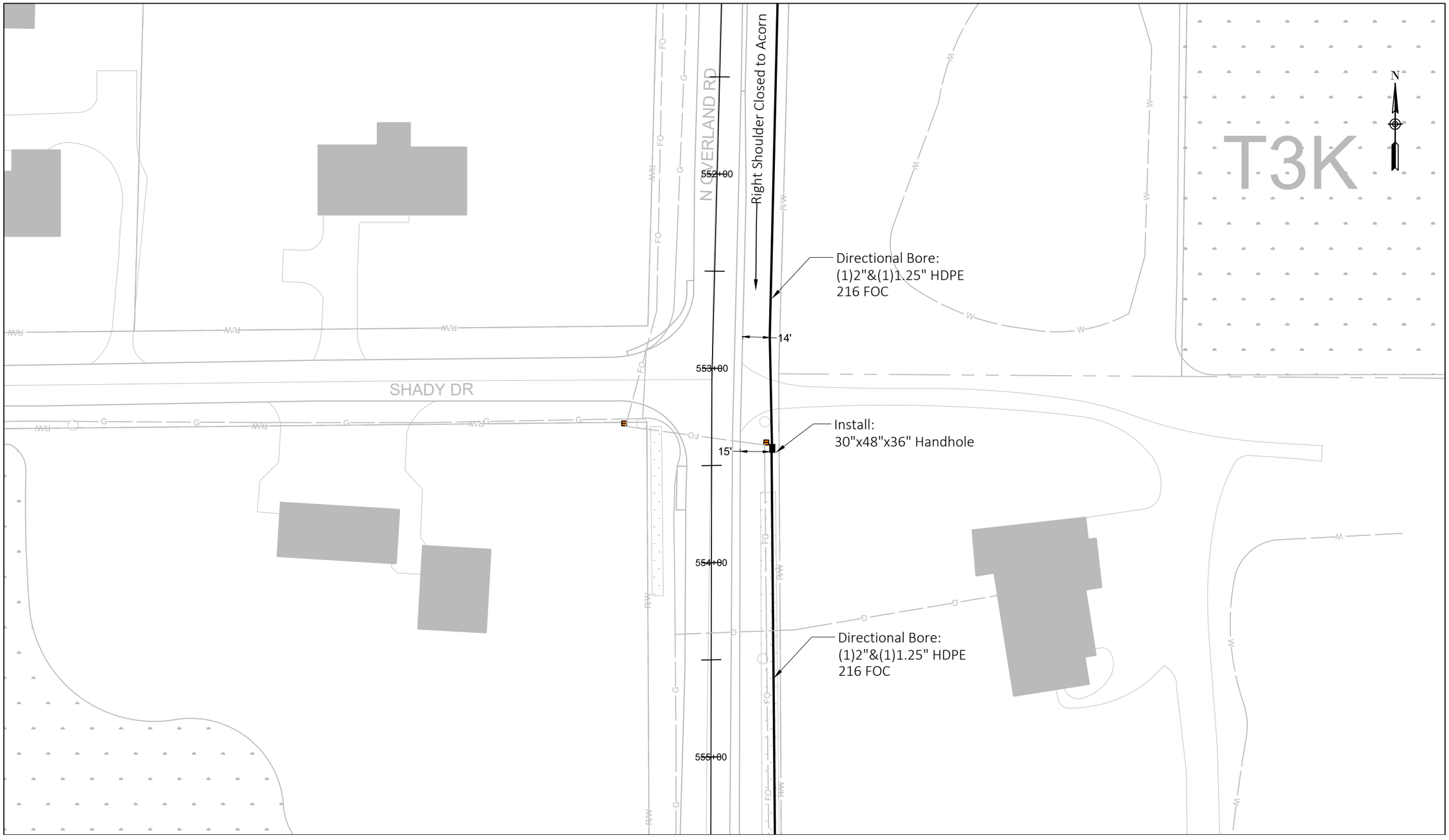
Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 427'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 304 E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 65

PLOT DATE : 5/7/2020 3:26 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########

See Sheet 65



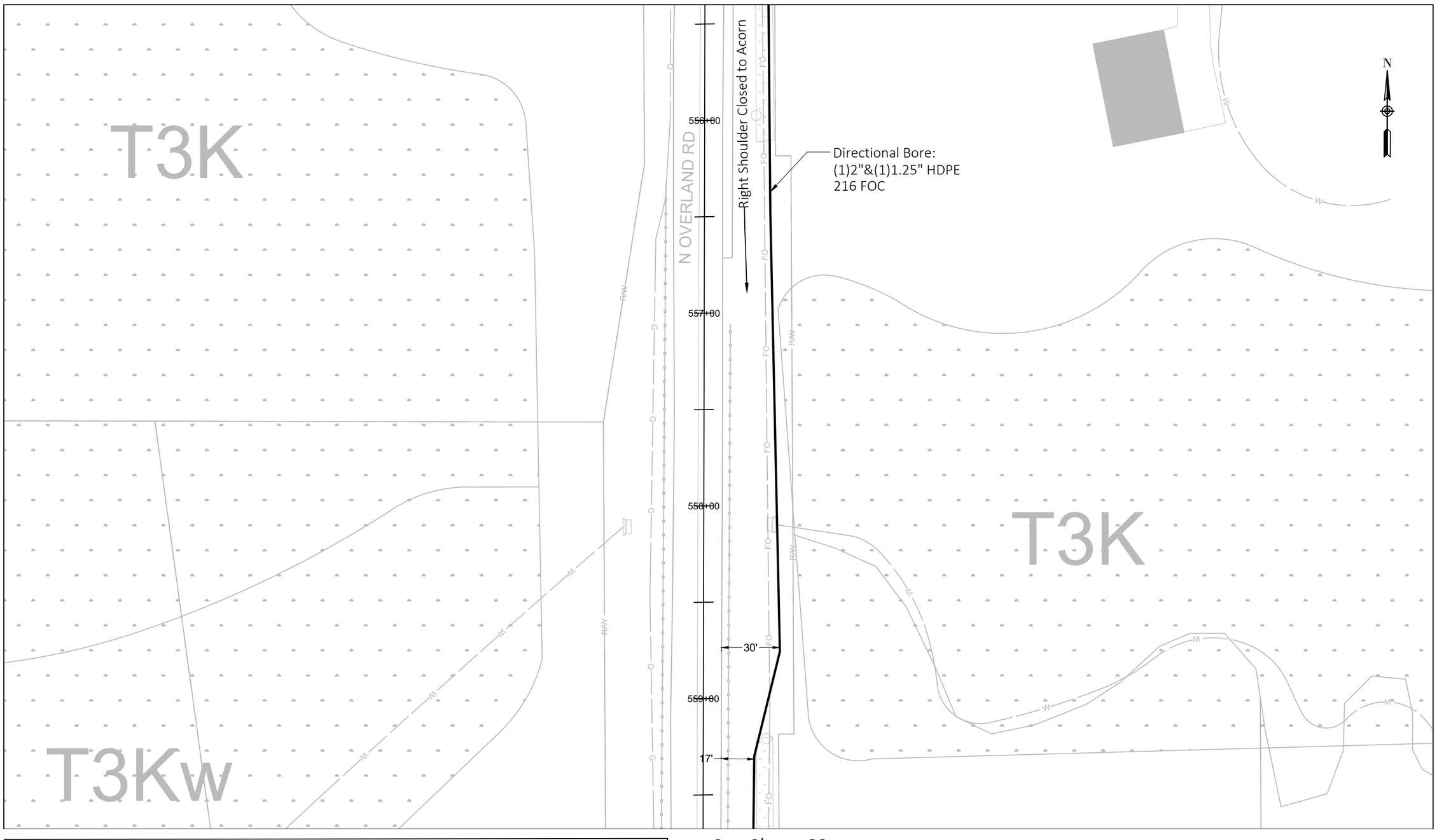
Estimated Quantities:			
Directional Bore:	423'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 423'

See Sheet 67

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 305	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 66
PLOT DATE : 5/7/2020 3:27 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 66



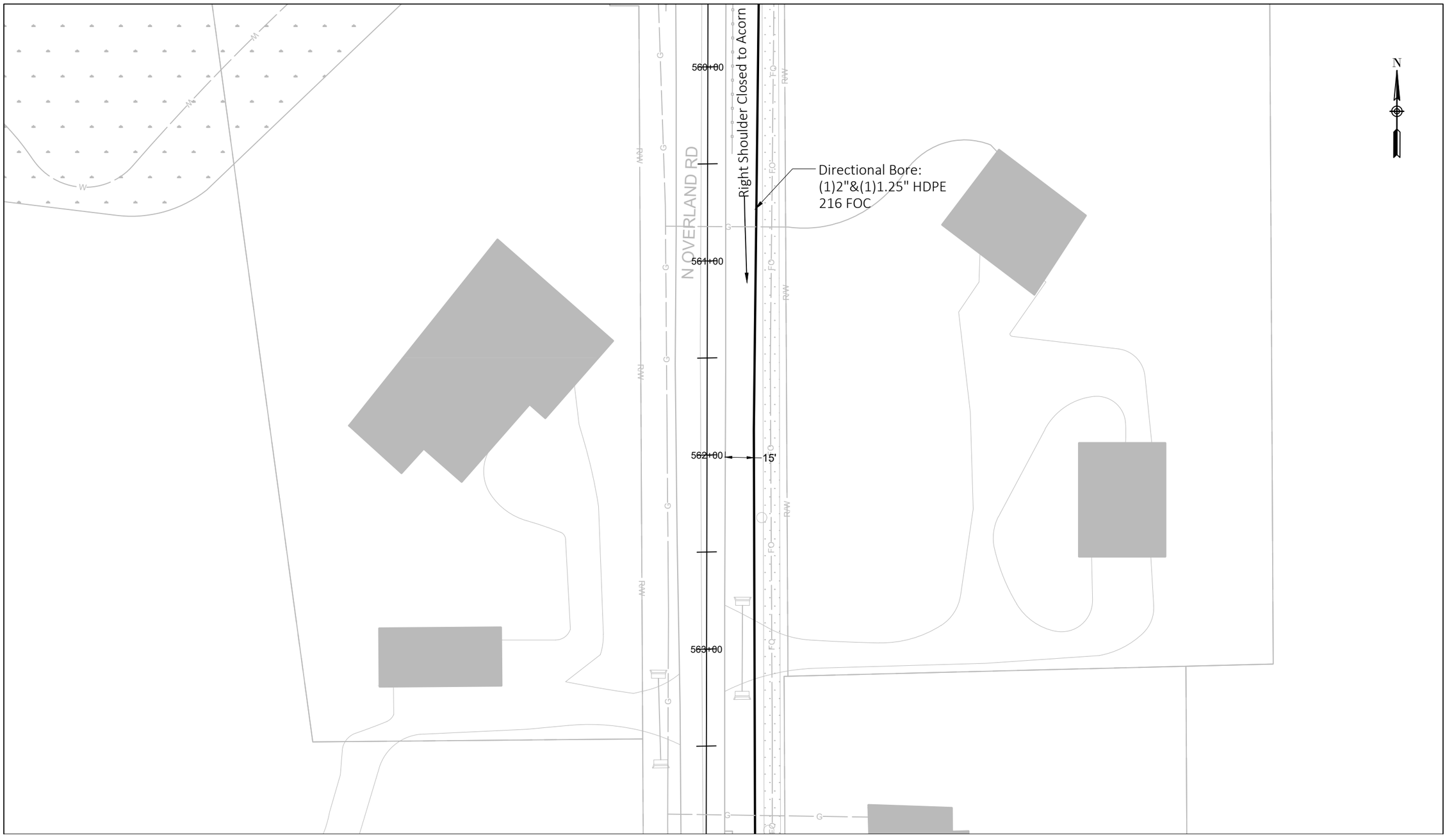
Estimated Quantities:			
Directional Bore:	429'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 429'

See Sheet 68

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 306	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 67
PLOT DATE : 5/7/2020 3:27 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ############
WISDOT/CADDS SHEET 42

See Sheet 67



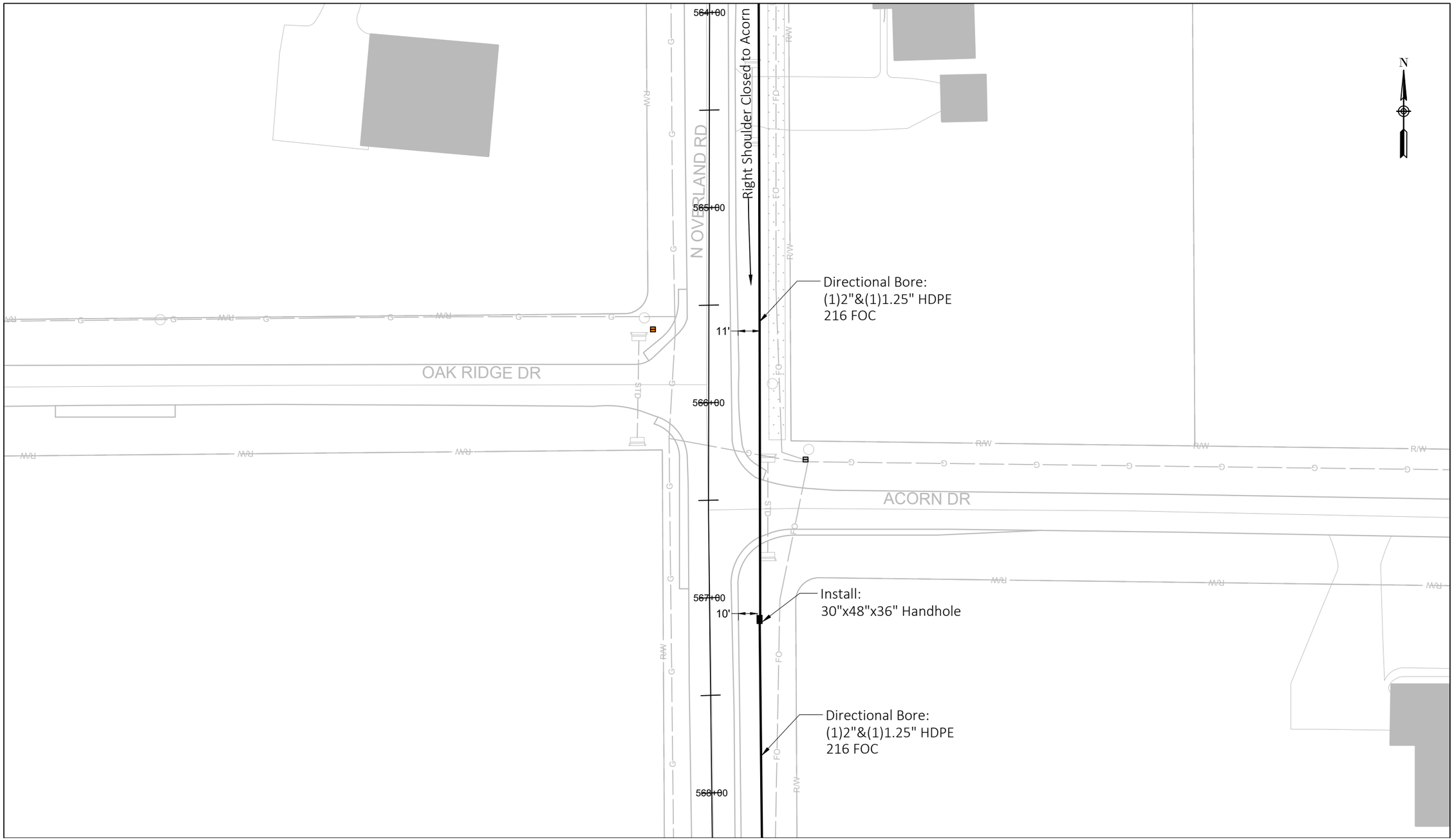
See Sheet 69

Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 427'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 307	E

See Sheet 68



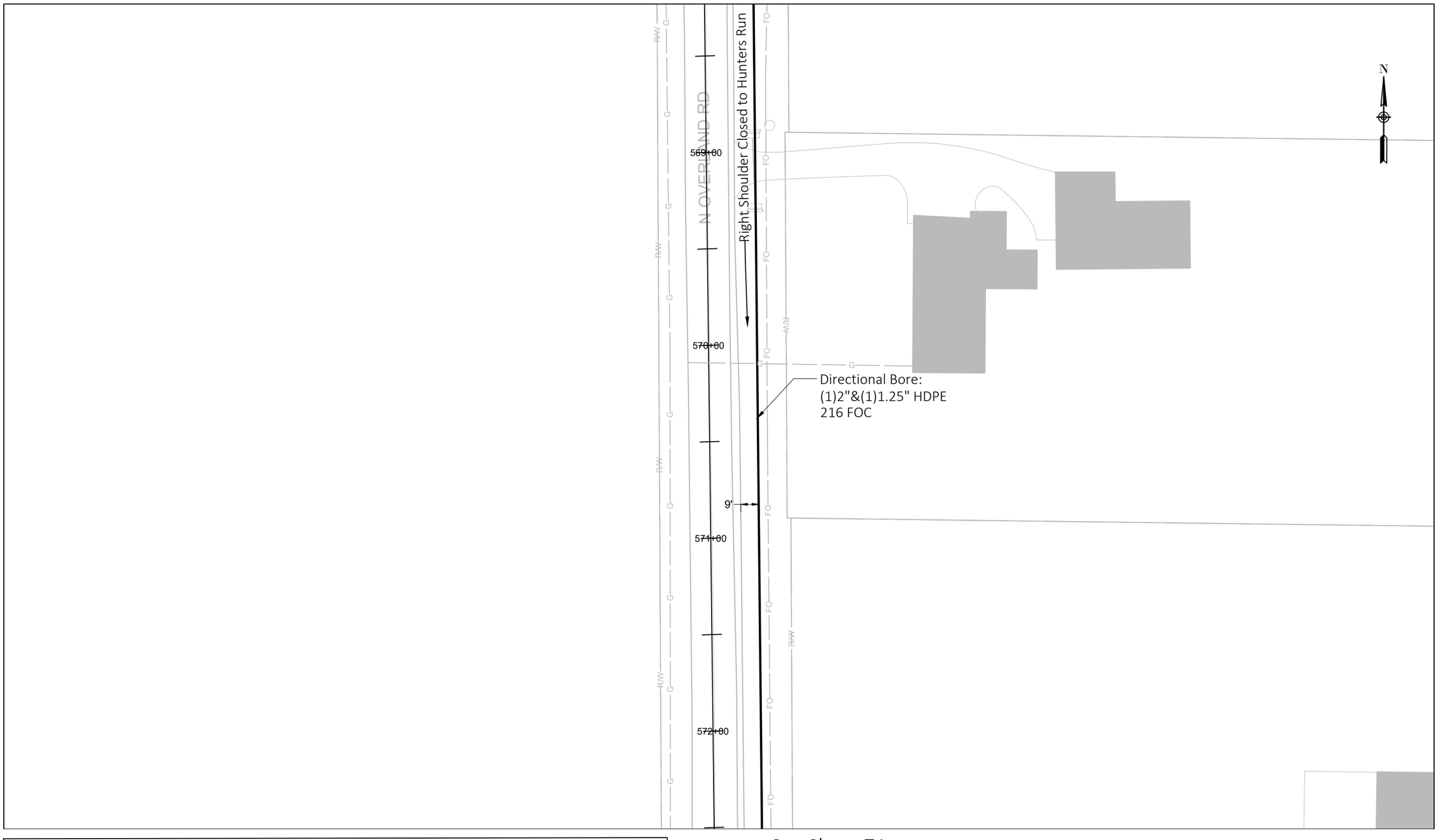
See Sheet 70

Estimated Quantities:

Directional Bore:	425'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 425'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 308 E

See Sheet 69



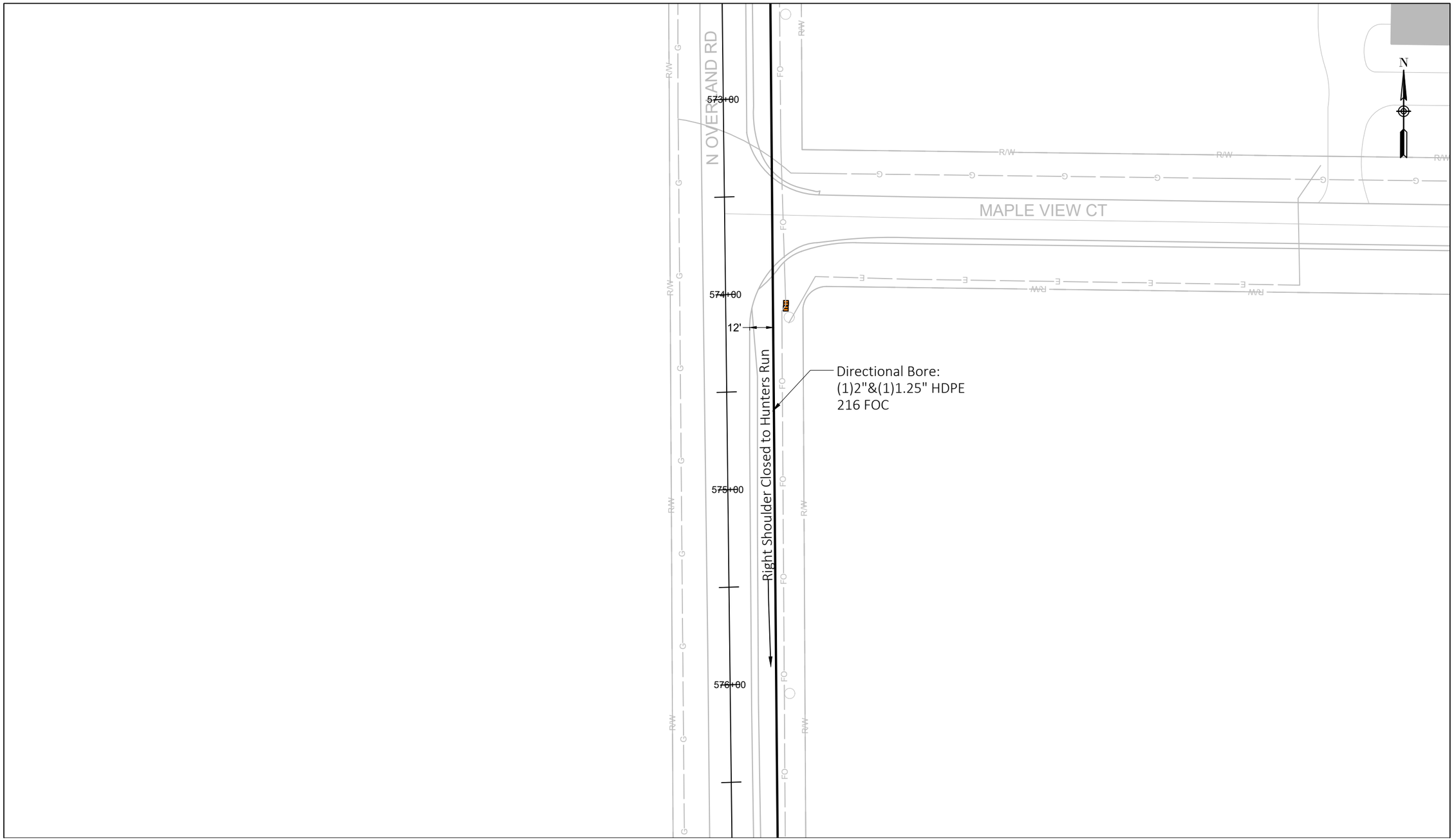
See Sheet 71

Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 427'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 309 E

See Sheet 70



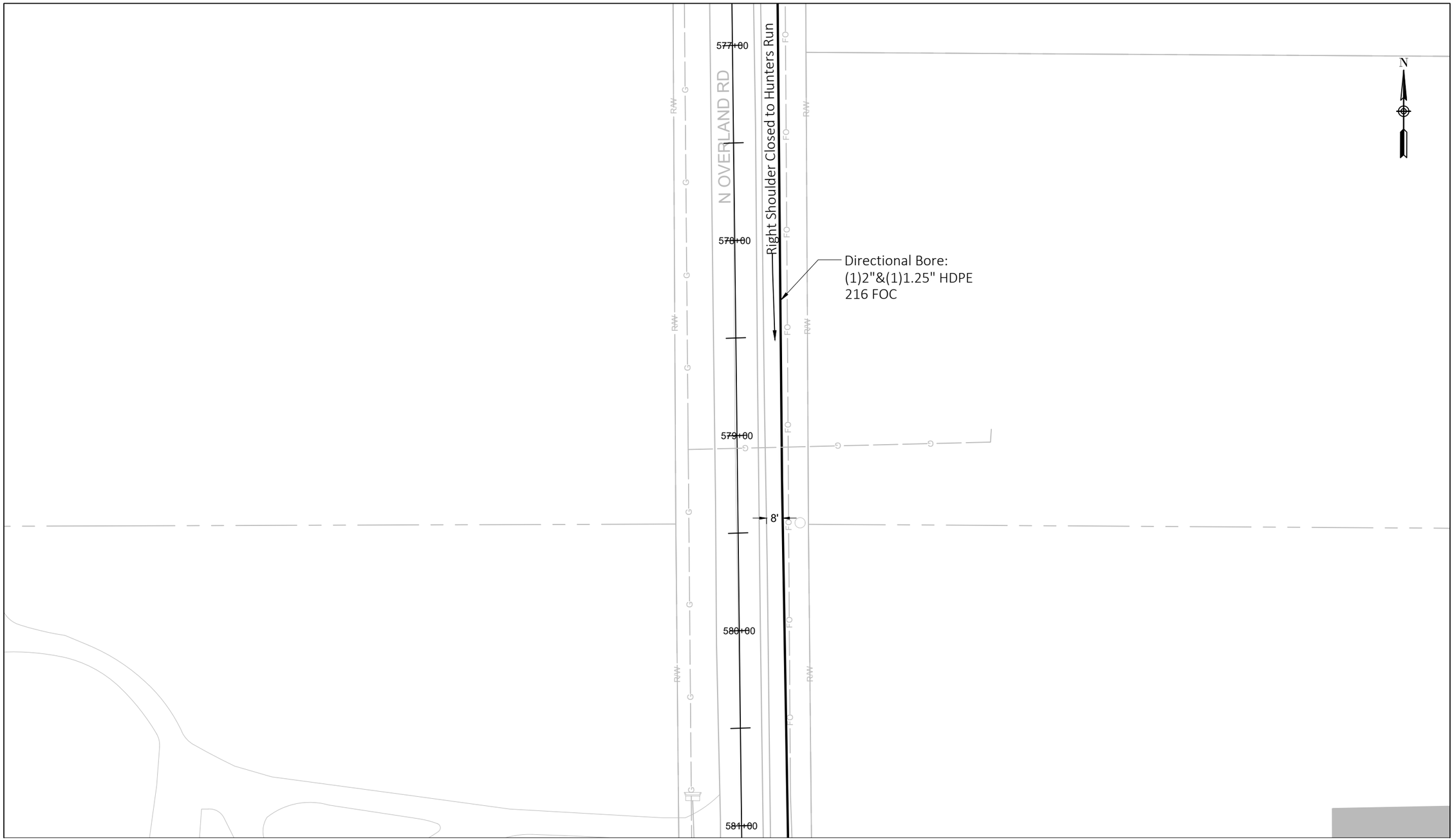
See Sheet 72

Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 427'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 310	E

See Sheet 71



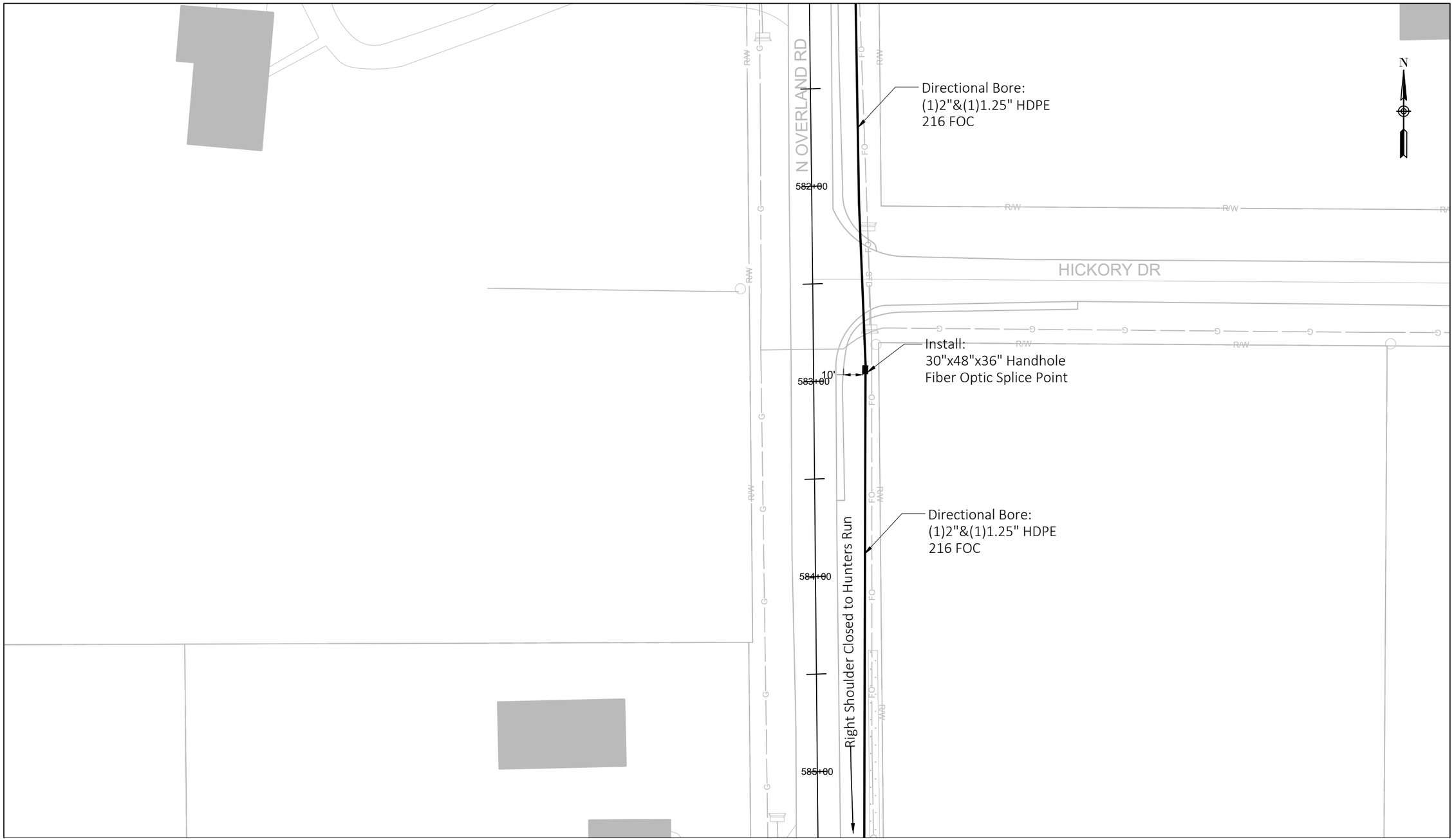
See Sheet 73

Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 427'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 311 E

See Sheet 72



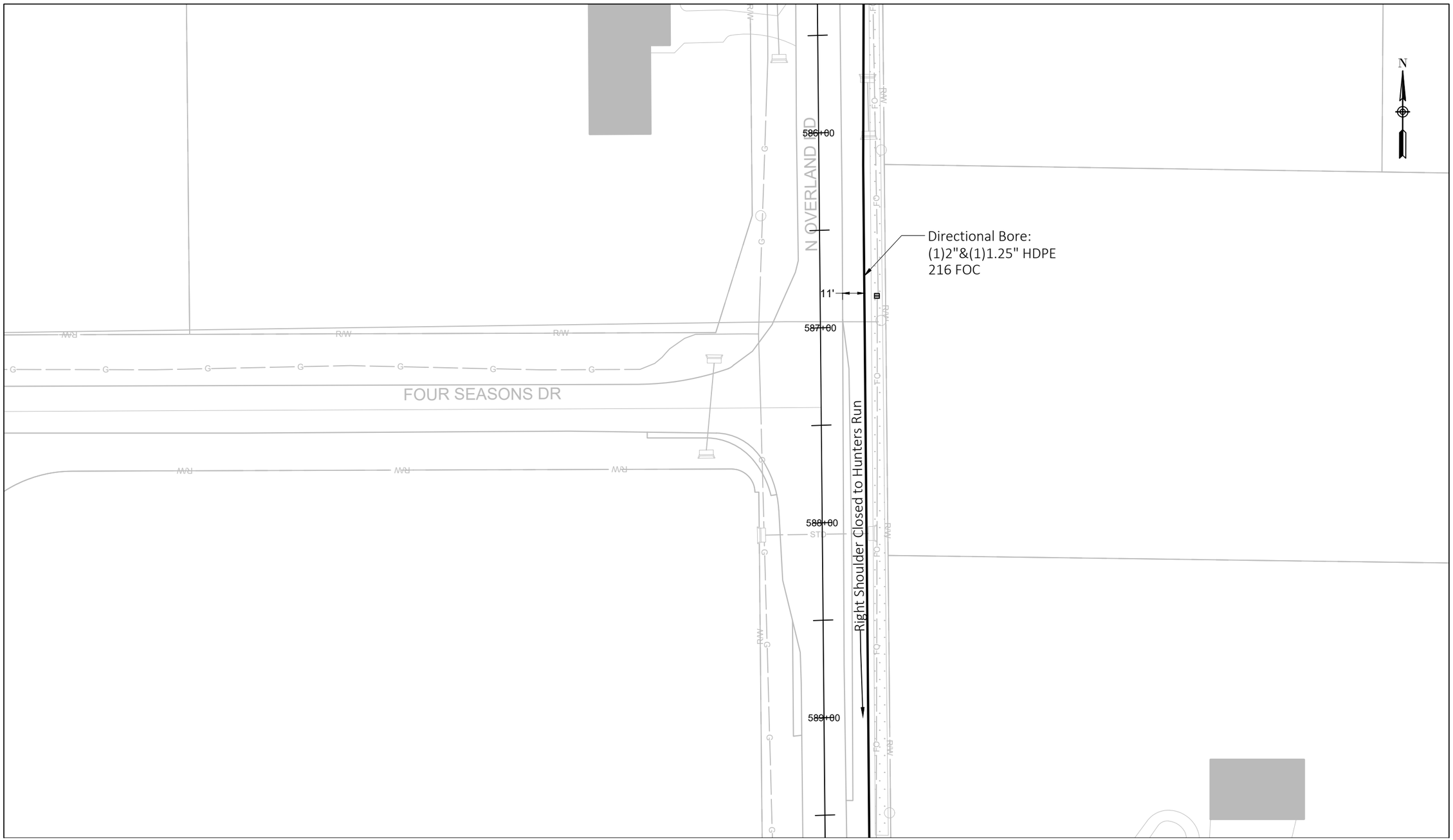
See Sheet 74

Estimated Quantities:					
Directional Bore:	425'	Handhole Installation: 1		Store cable expansion in handhole:	200'
Plow:	0'	Place 432 FOC in duct:	0'	Place 216 FOC in duct:	425'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 312 E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 73
PLOT DATE : 5/7/2020 3:30 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 73



See Sheet 75

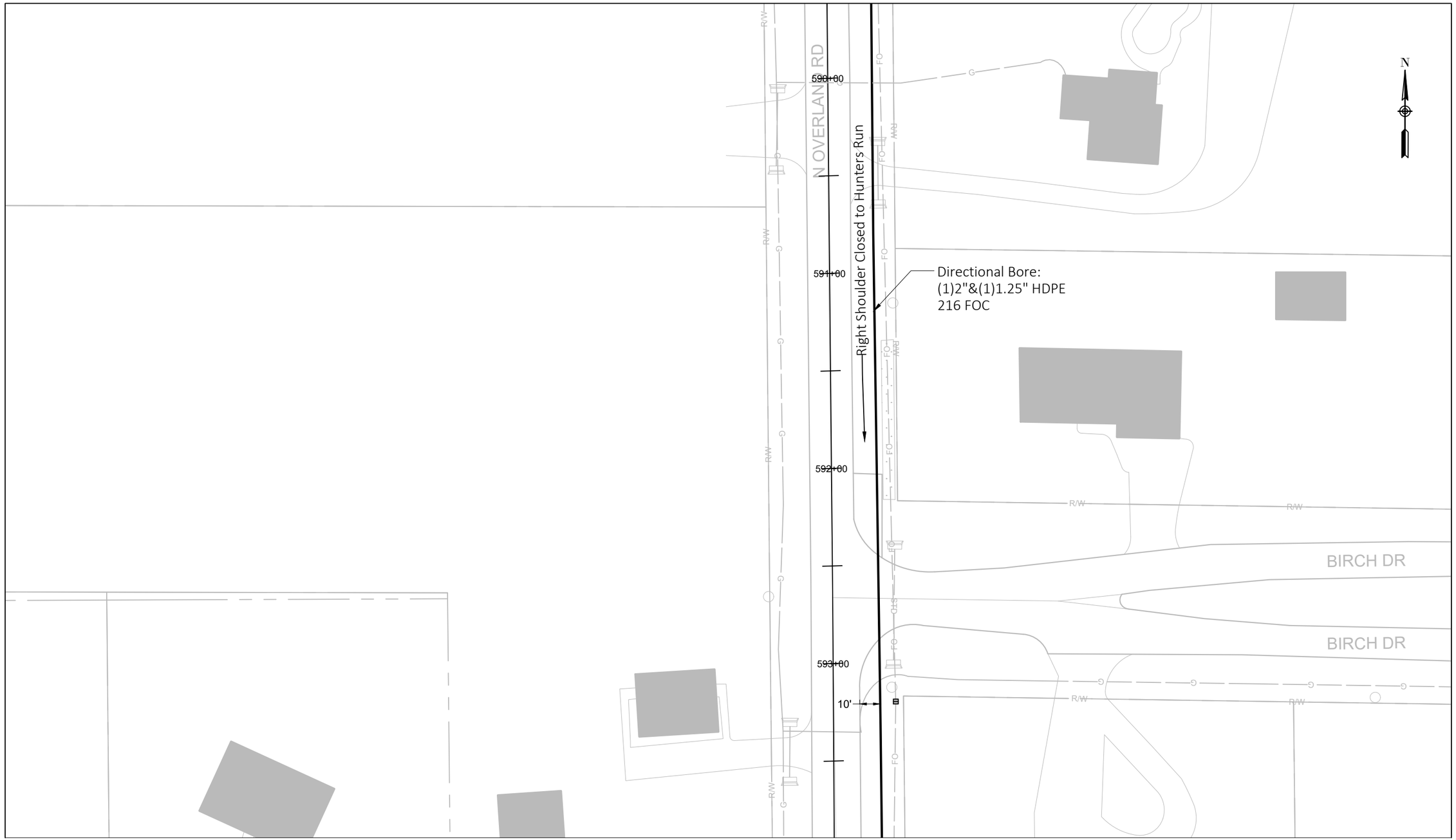
Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 427'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 313 E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 74
PLOT DATE : 5/7/2020 3:30 PM
PLOT BY : DAN BECKER
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 74



See Sheet 76

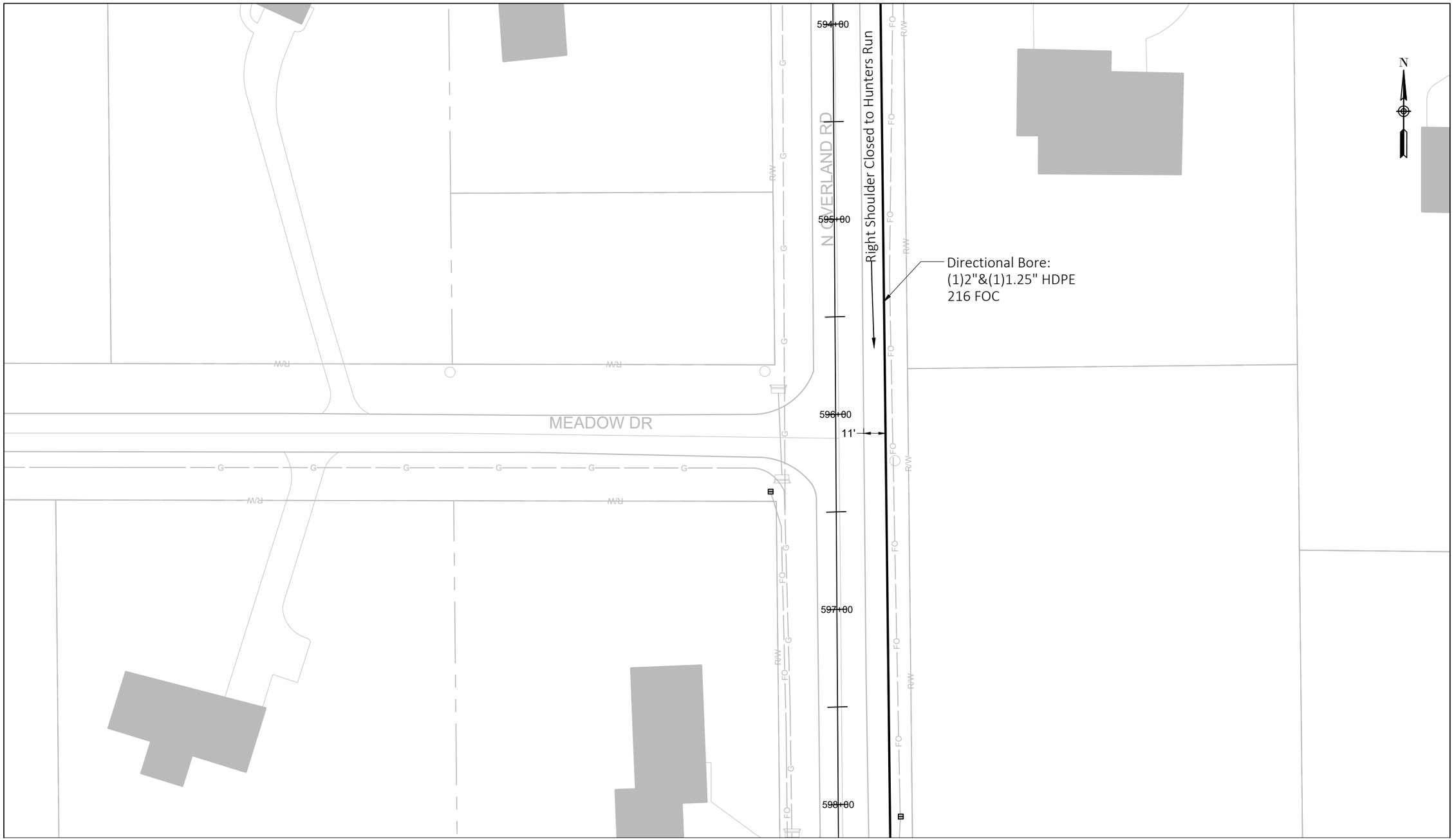
Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 427'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 314 E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 75
PLOT DATE : 5/7/2020 3:30 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ###########
WISDOT/CADDS SHEET 42

See Sheet 75



See Sheet 77

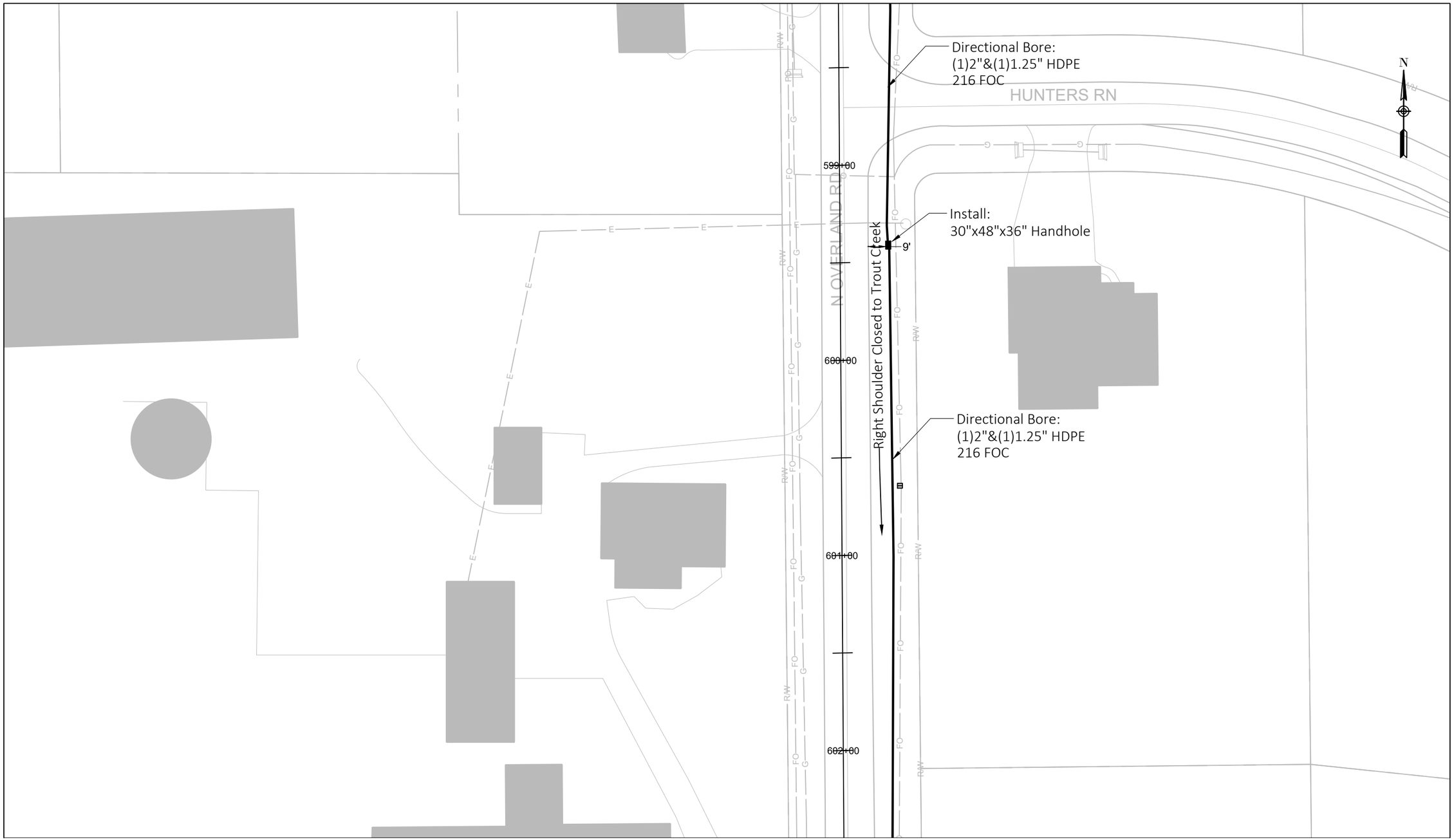
Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 427'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 315 E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 76
PLOT DATE : 5/7/2020 3:31 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########

See Sheet 76



Estimated Quantities:

Directional Bore:	425'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 425'

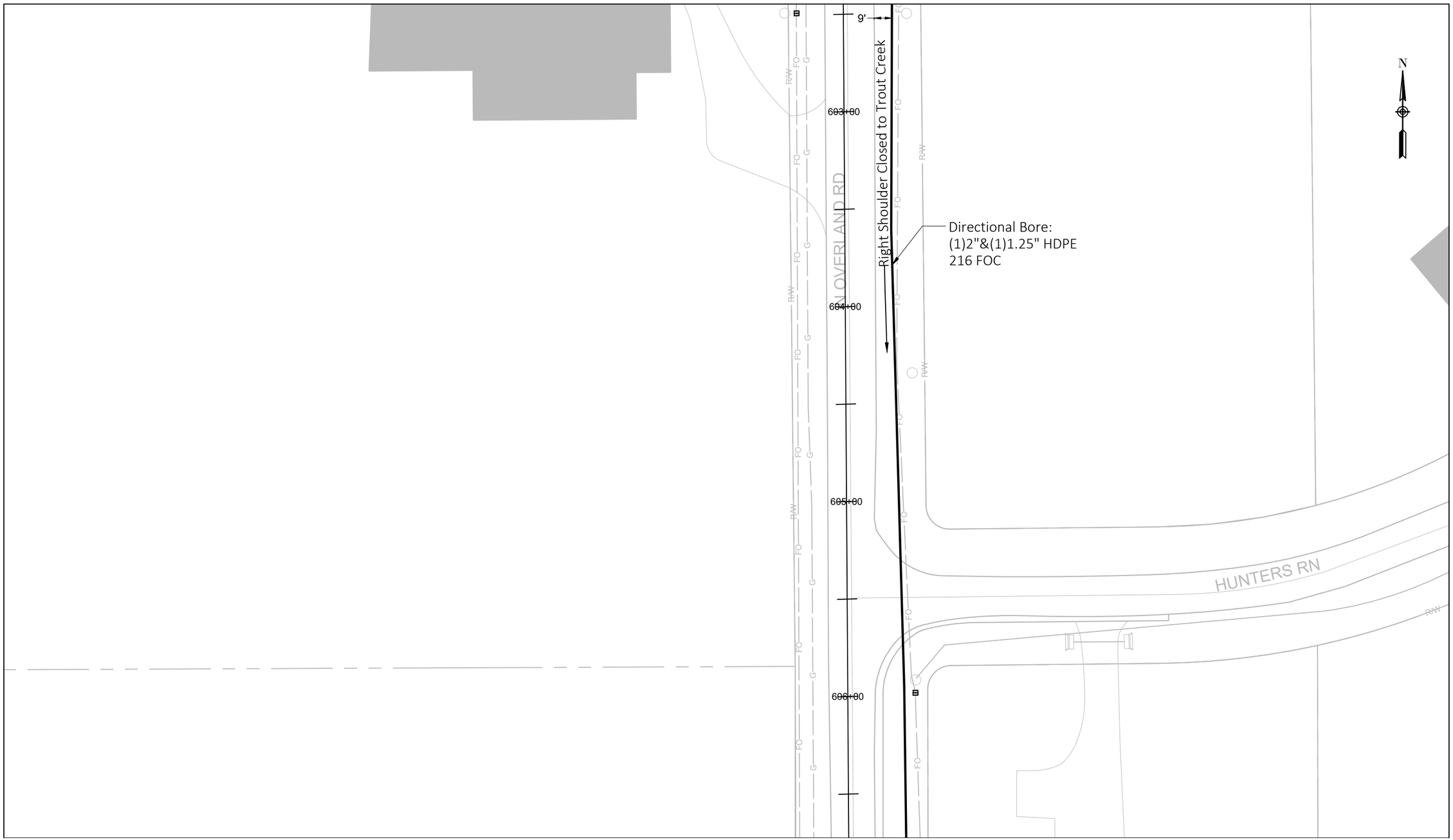
See Sheet 78

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 316	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 77

PLOT DATE : 5/7/2020 3:31 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ########## WISDOT/CADDS SHEET 42

See Sheet 77



See Sheet 79

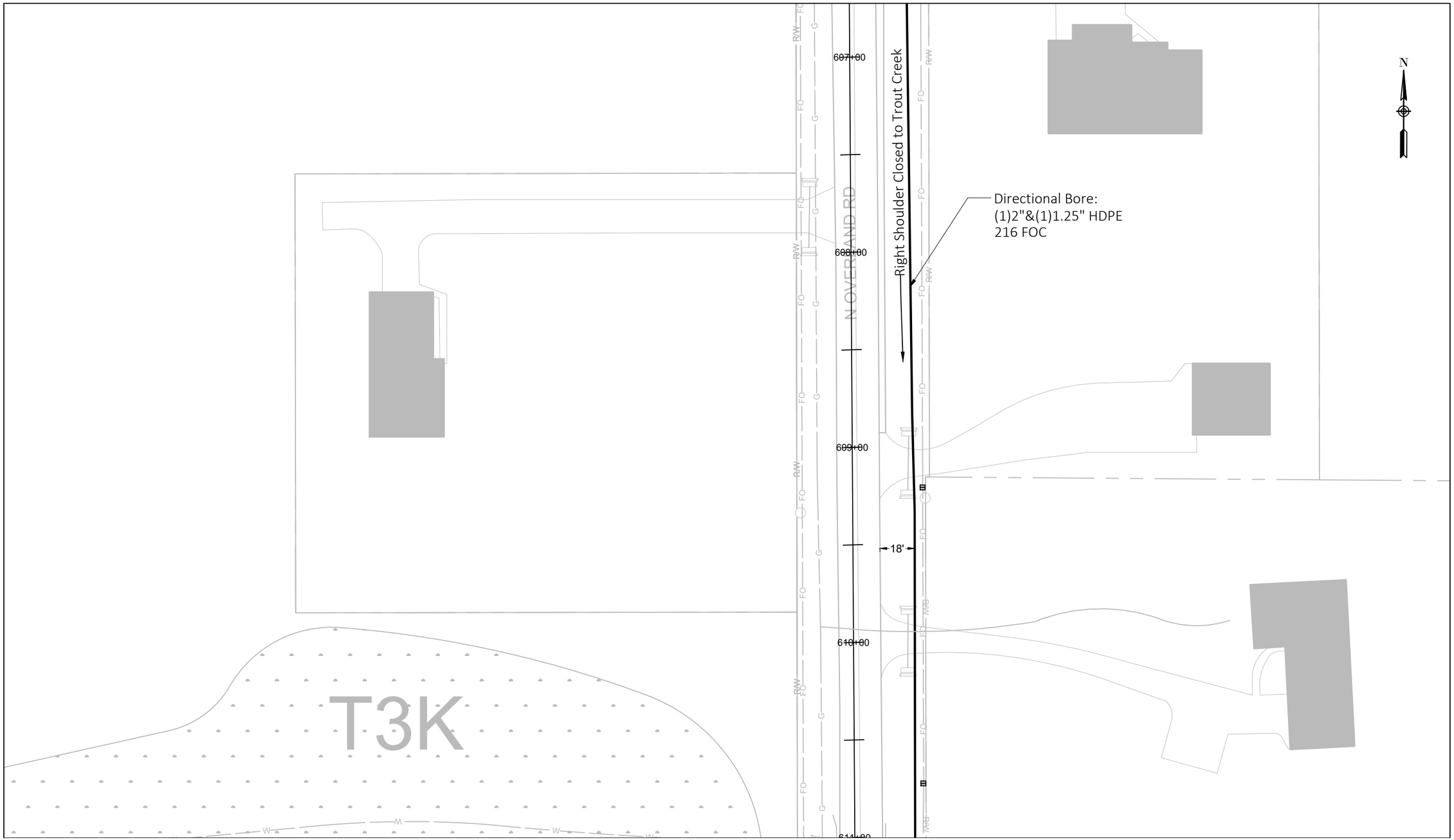
Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 427'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 317	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 78
PLOT DATE : 5/7/2020 3:32 PM
PLOT BY : DAN BECKER
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 78



See Sheet 80

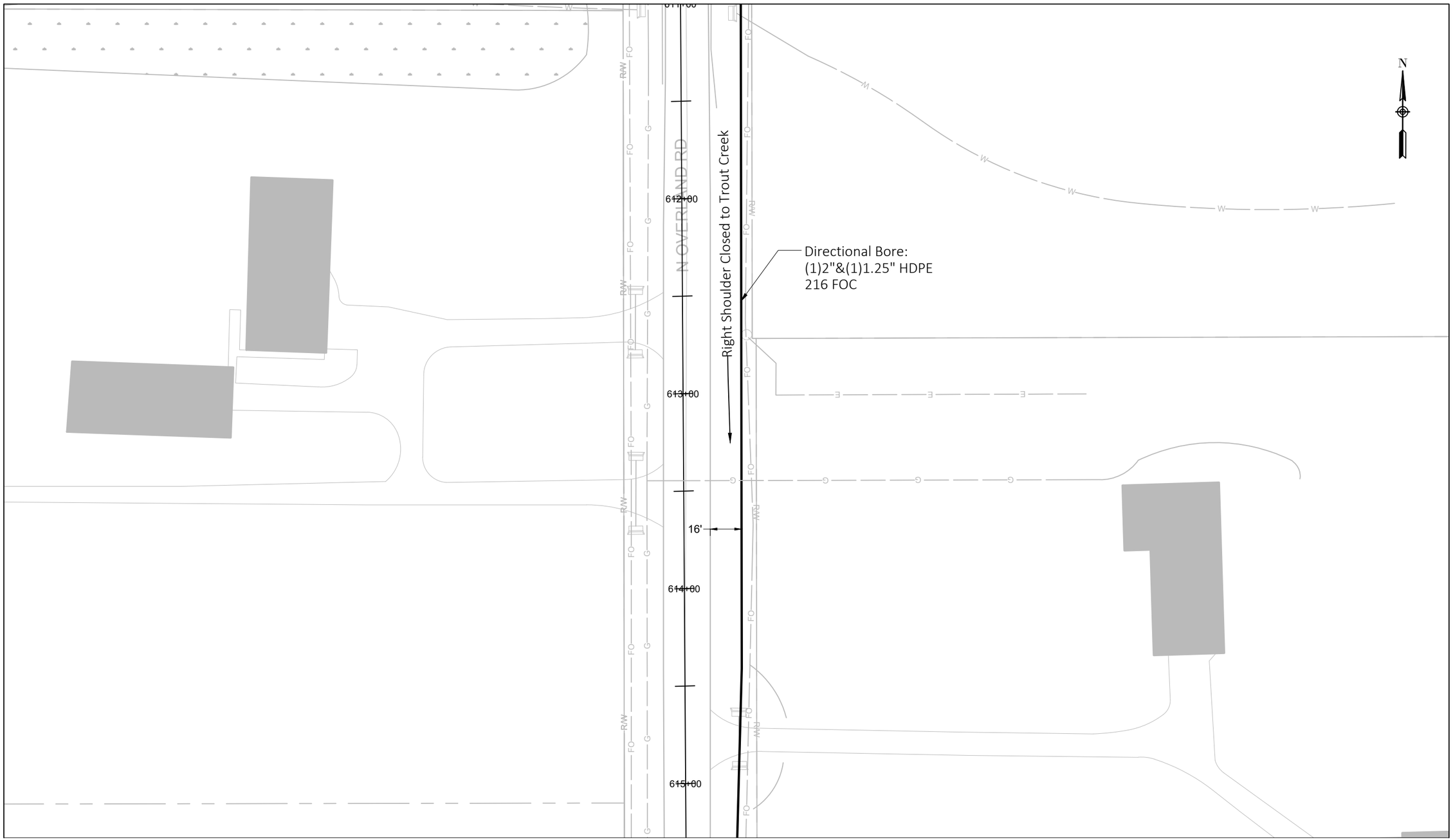
Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 427'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 318 E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 79
PLOT DATE : 5/7/2020 3:32 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 79

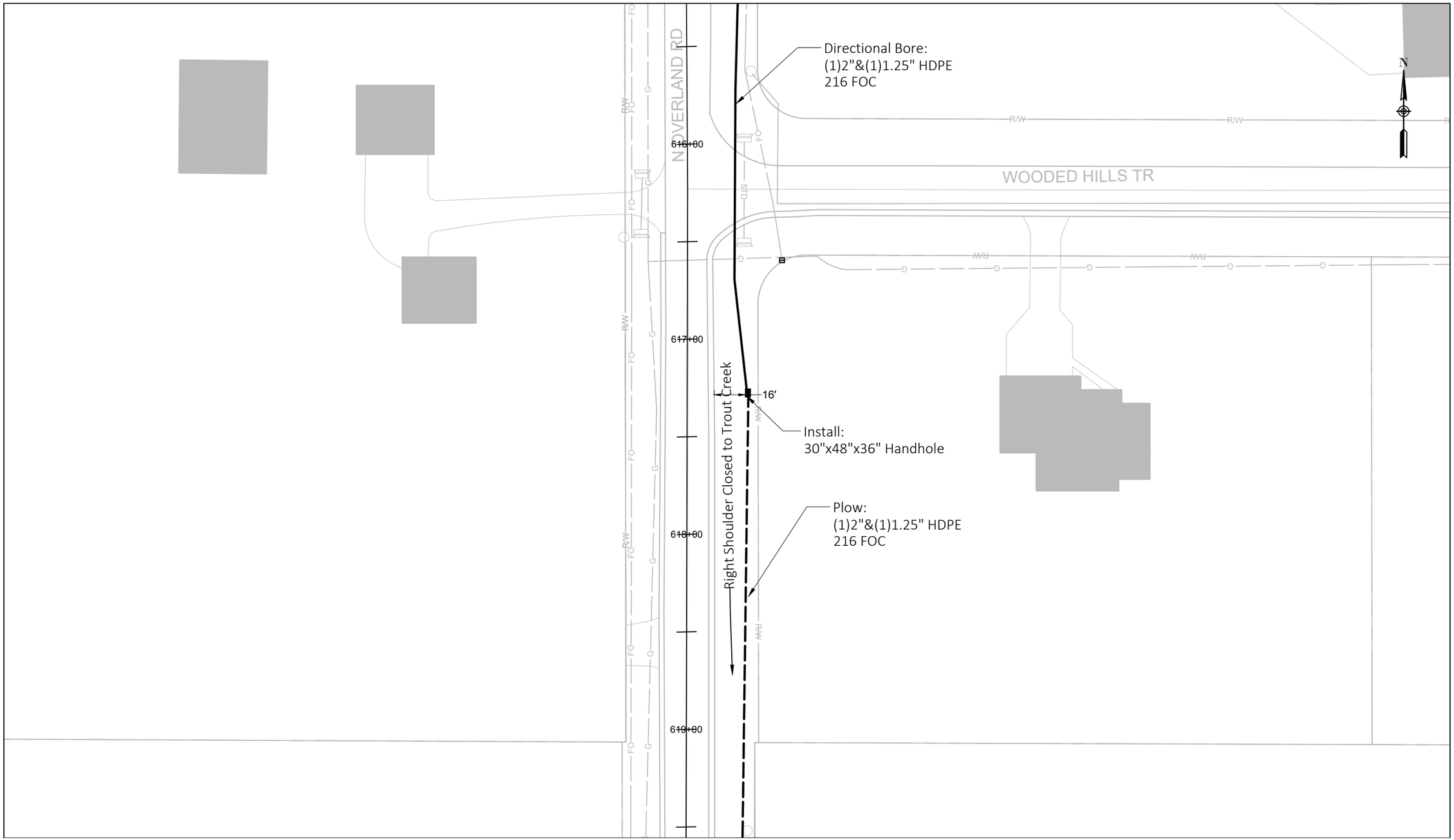


Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 427'

See Sheet 81

See Sheet 80



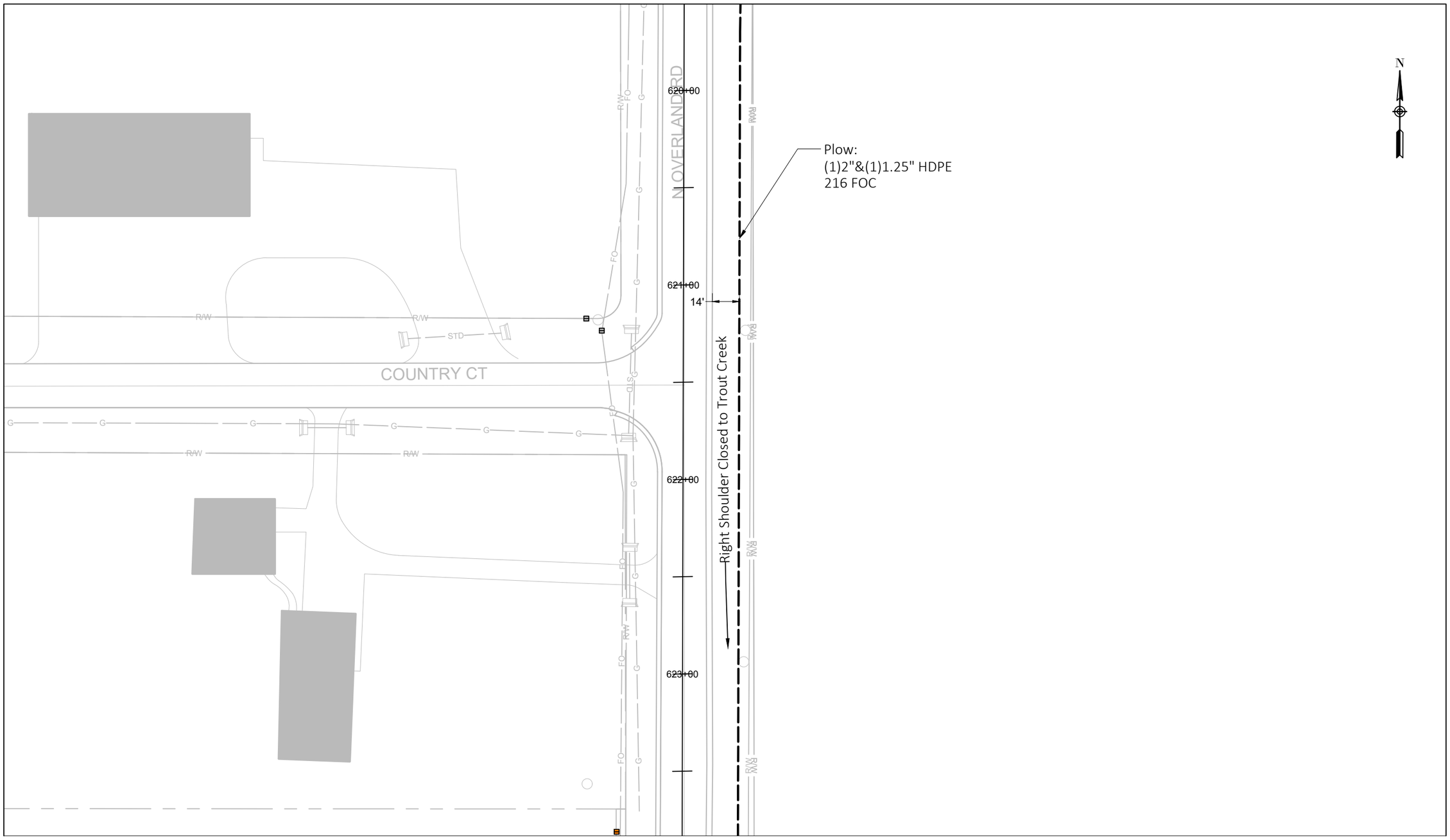
See Sheet 82

Estimated Quantities:

Directional Bore:	197'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	224'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 421'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 320	E

See Sheet 81



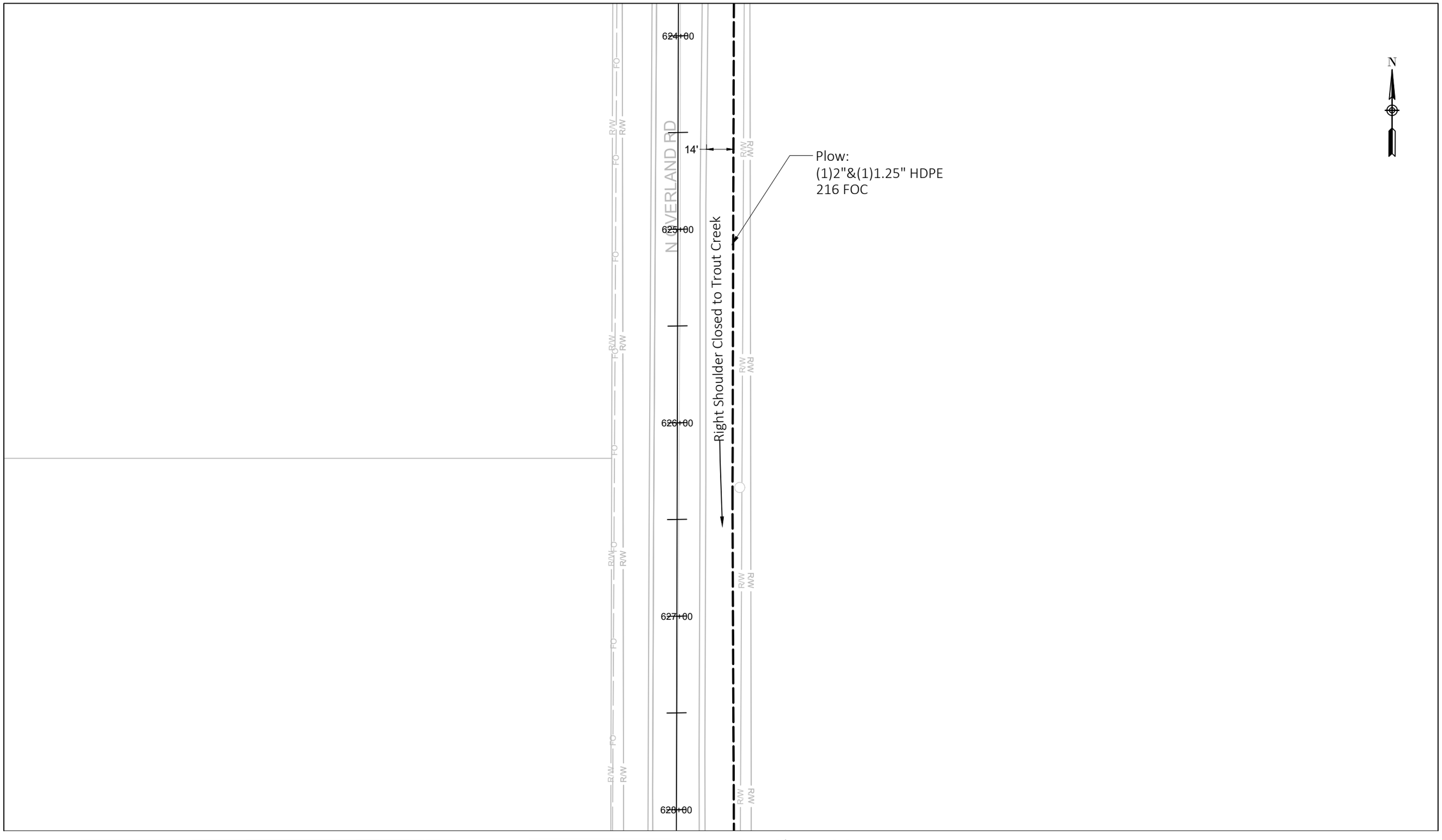
See Sheet 83

Estimated Quantities:

Directional Bore:	0'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	427'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 427'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 321 E

See Sheet 82



See Sheet 84

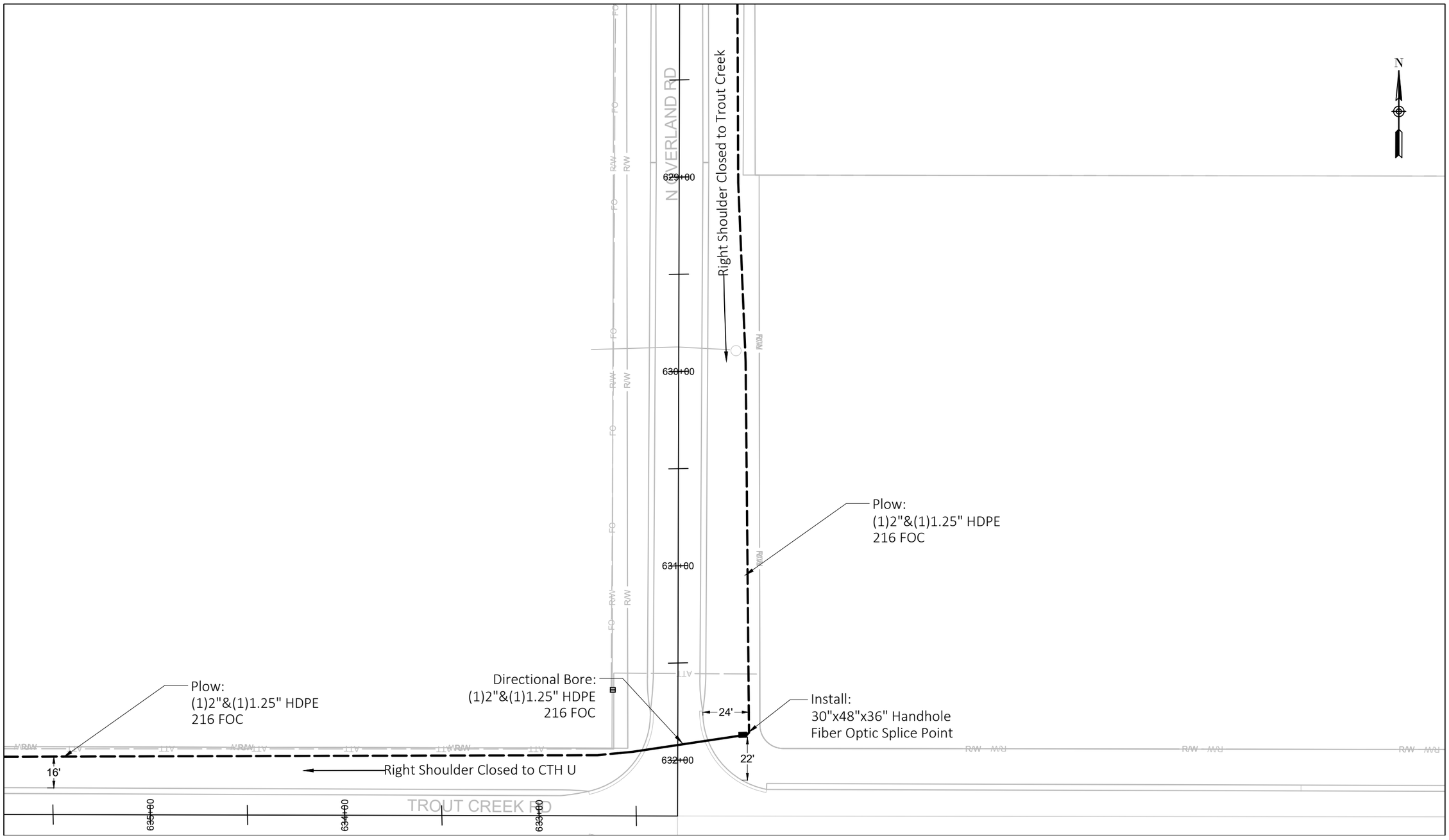
Estimated Quantities:

Directional Bore:	0'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	427'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 427'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 322	E

See Sheet 83

See Sheet 85



Estimated Quantities:

Directional Bore:	63'	Handhole Installation: 1	Store cable expansion in handhole: 200'
Plow:	691'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 754'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 323	E

2

See Sheet 86

See Sheet 84

N

Plow:
(1)2"&(1)1.25" HDPE
216 FOC

Right Shoulder Closed to CTH U

14'

TROUT CREEK RD

643+00 642+00 641+00 640+00 639+00 638+00 637+00 636+00

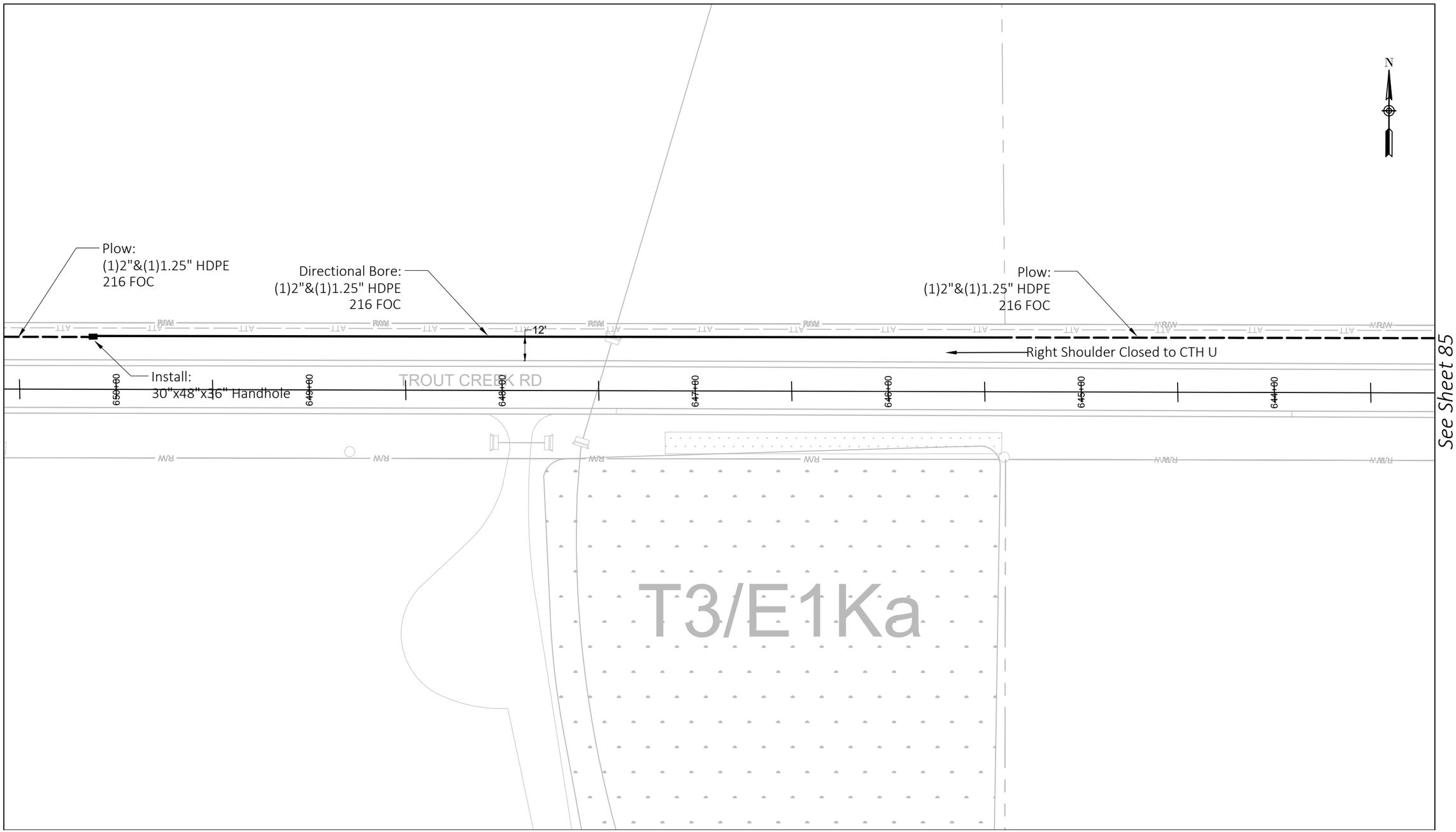
Estimated Quantities:			
Directional Bore:	0'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	740'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 740'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 324	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 85

PLOT DATE : 5/7/2020 3:35 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########

2



Estimated Quantities:

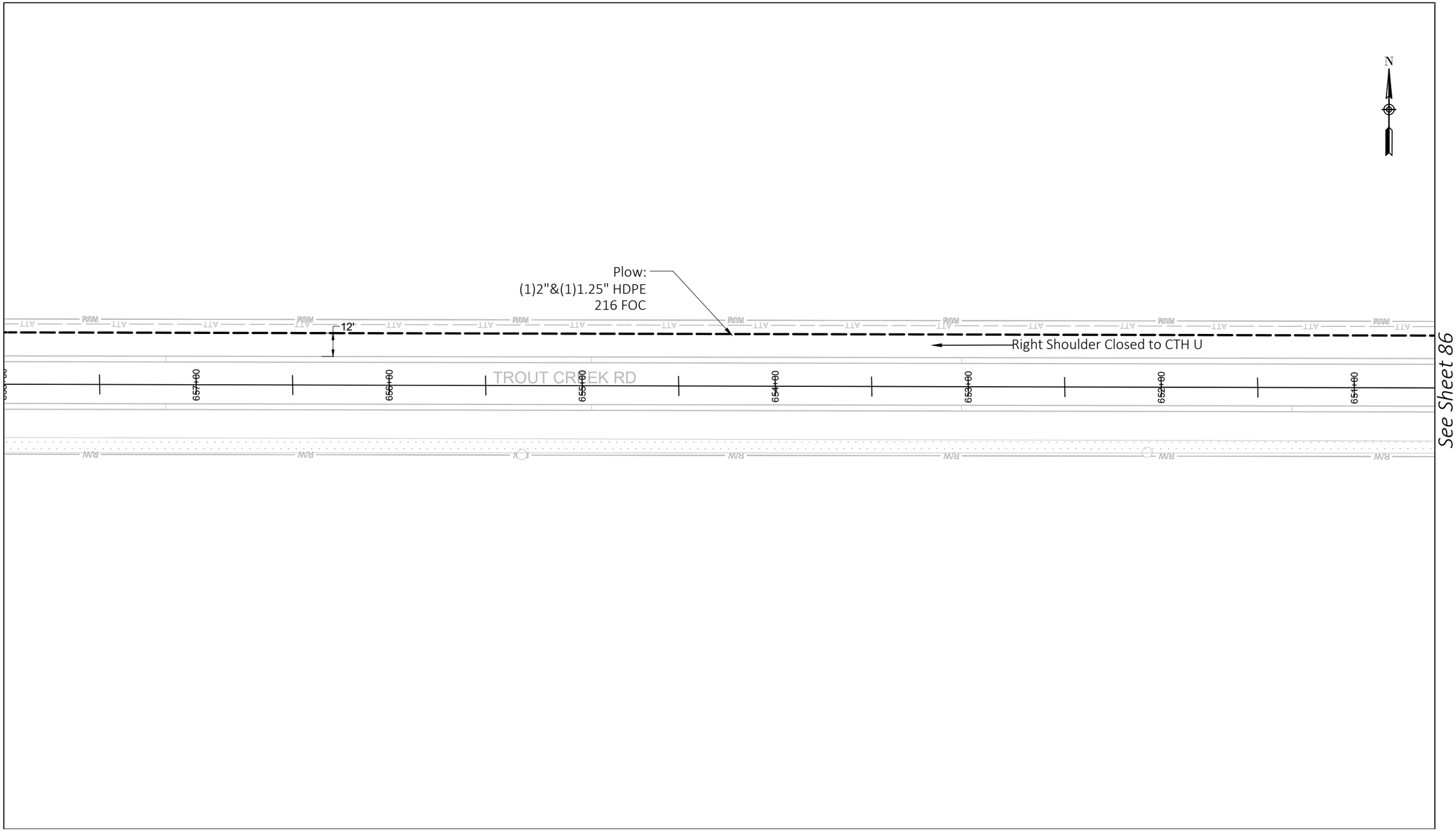
Directional Bore:	465'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	263'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 728'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 325	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 86

PLOT DATE : 5/7/2020 3:35 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########

2



Estimated Quantities:

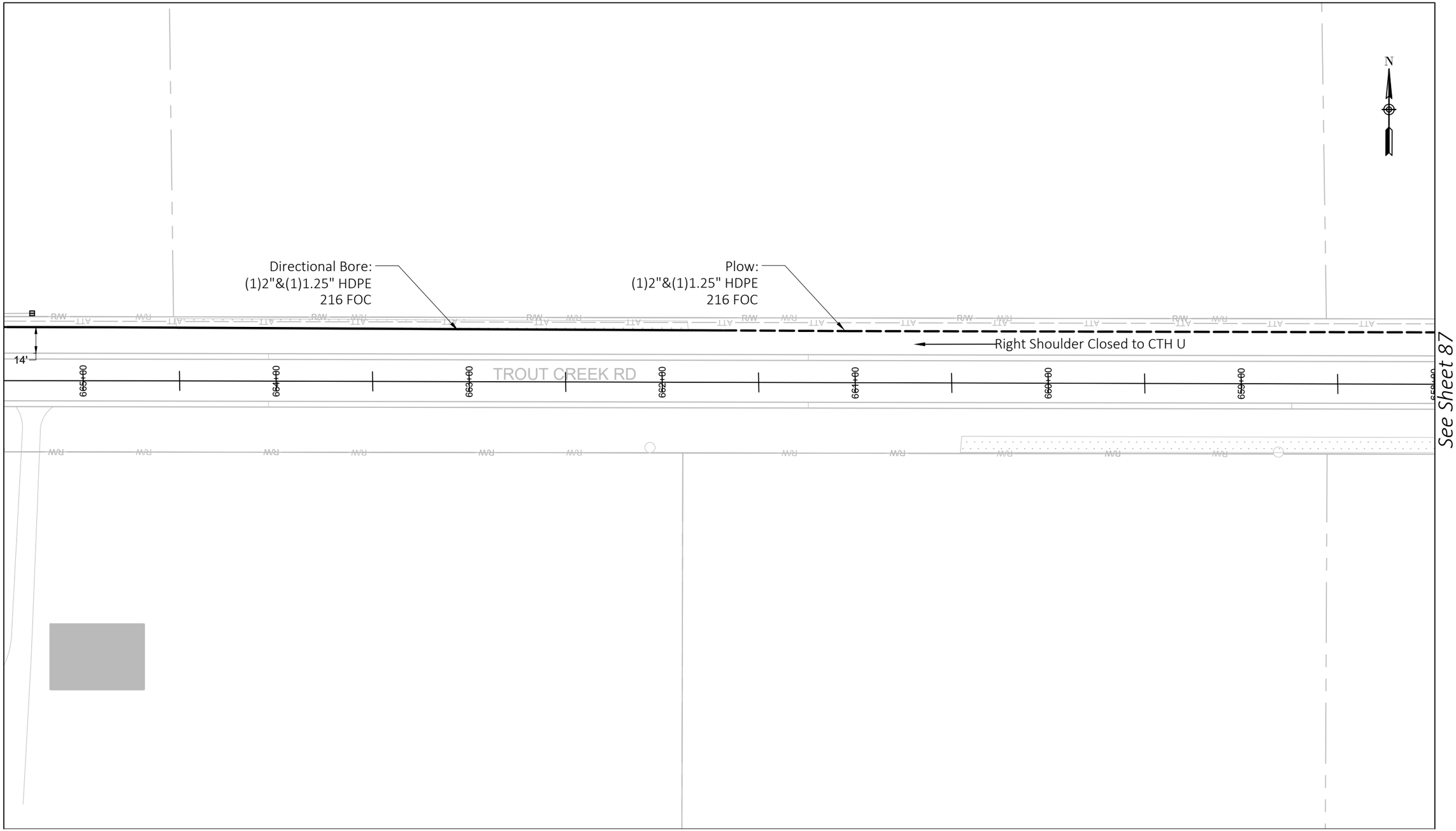
Directional Bore:	0'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	740'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 740'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 326	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 87

PLOT DATE : 5/7/2020 3:36 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ###########

2



Estimated Quantities:

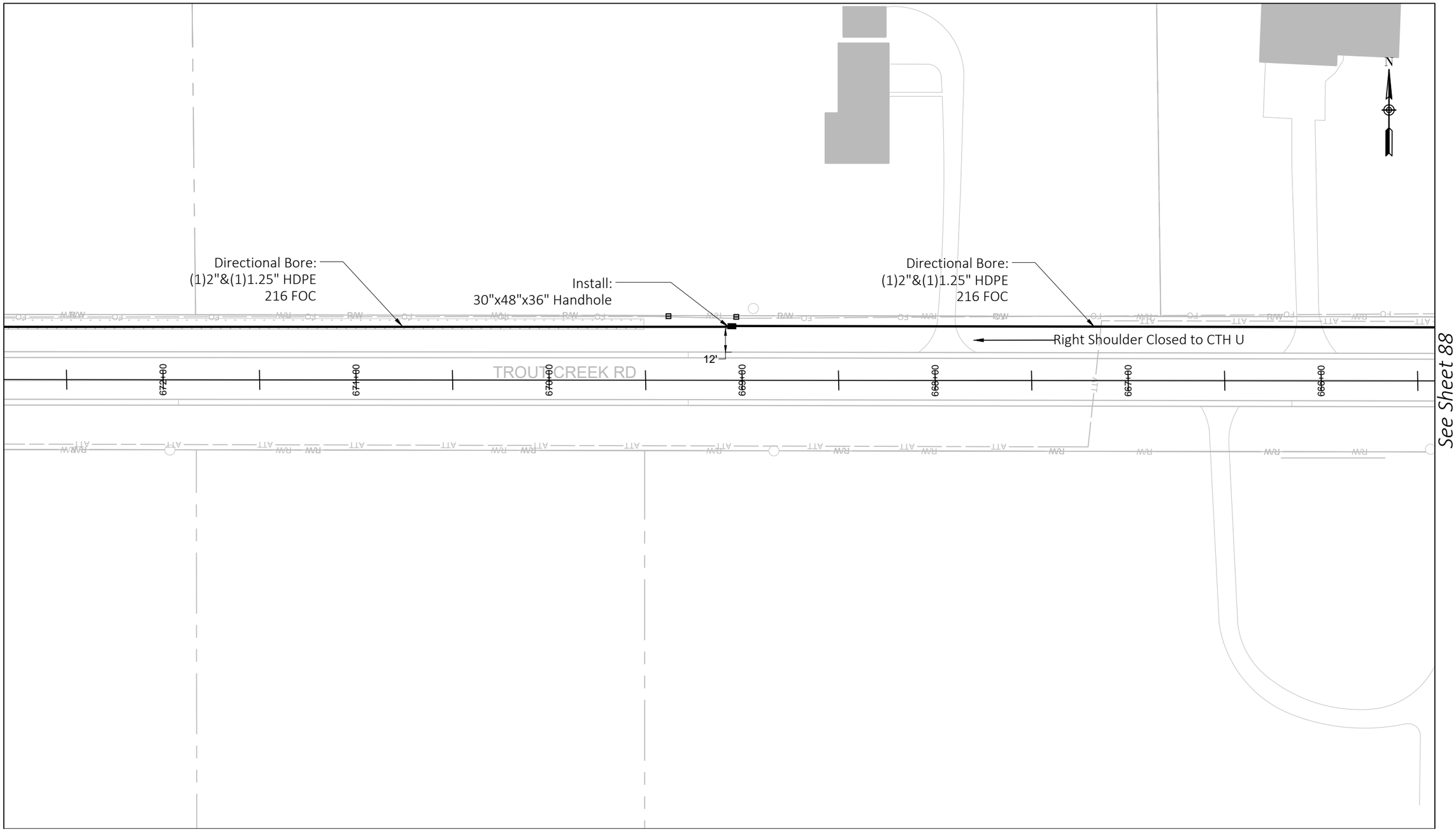
Directional Bore:	370'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	369'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 739'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 327	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 88

PLOT DATE : 5/7/2020 3:36 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########

2



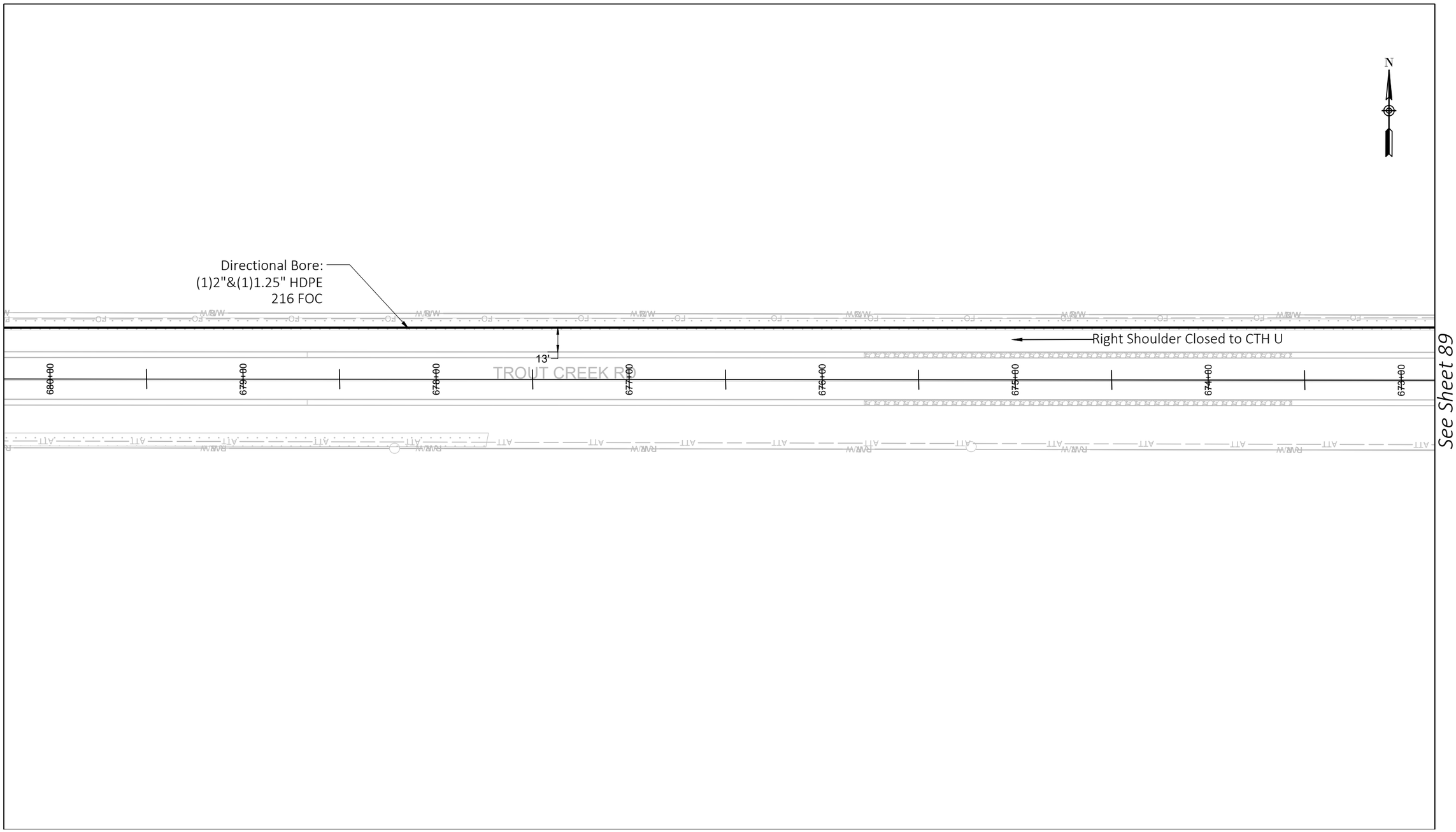
Estimated Quantities:

Directional Bore:	738	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 738'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 328	E

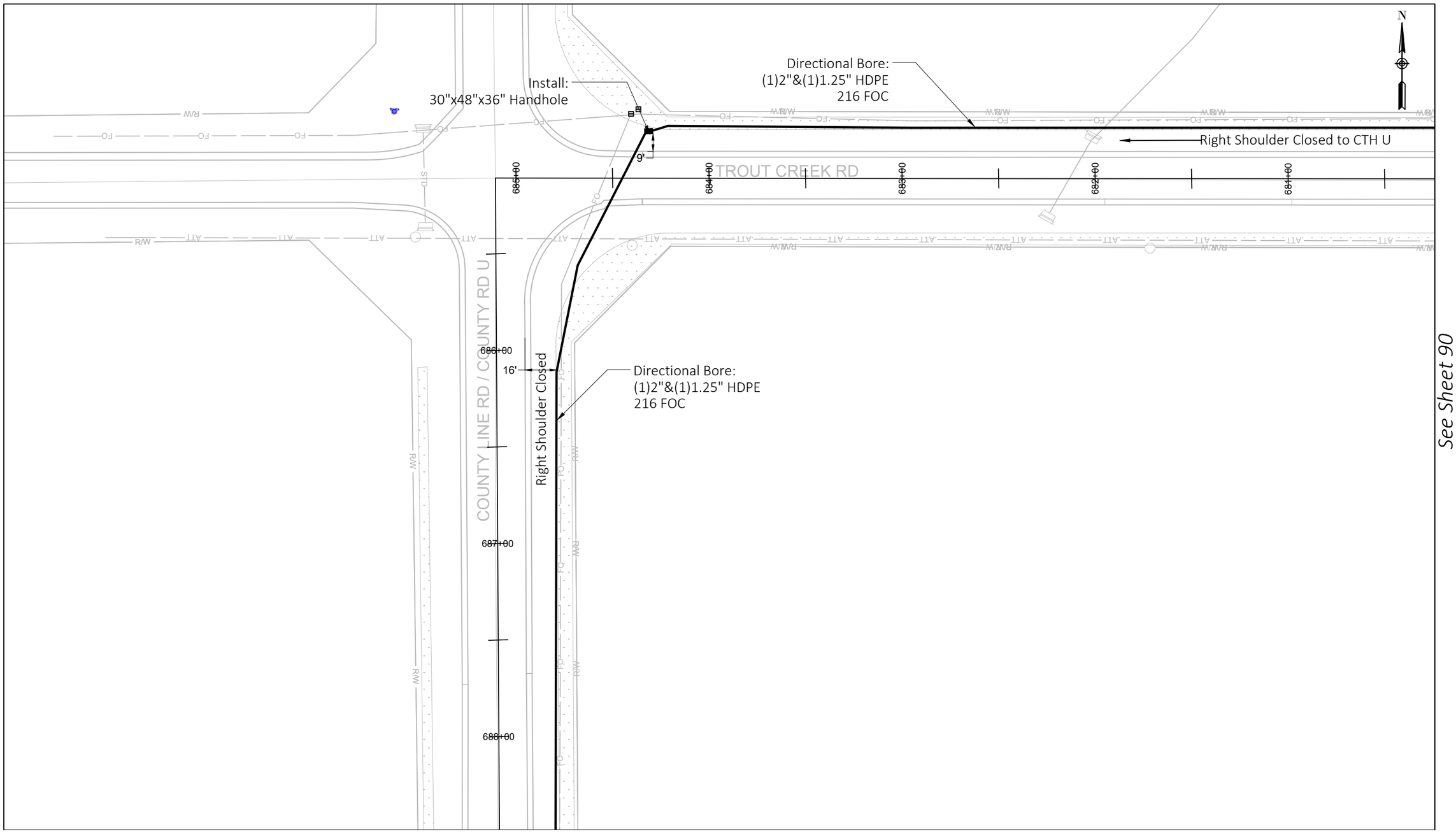
FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 89

PLOT DATE : 5/7/2020 3:37 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########



Estimated Quantities:

Directional Bore:	740'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 740'

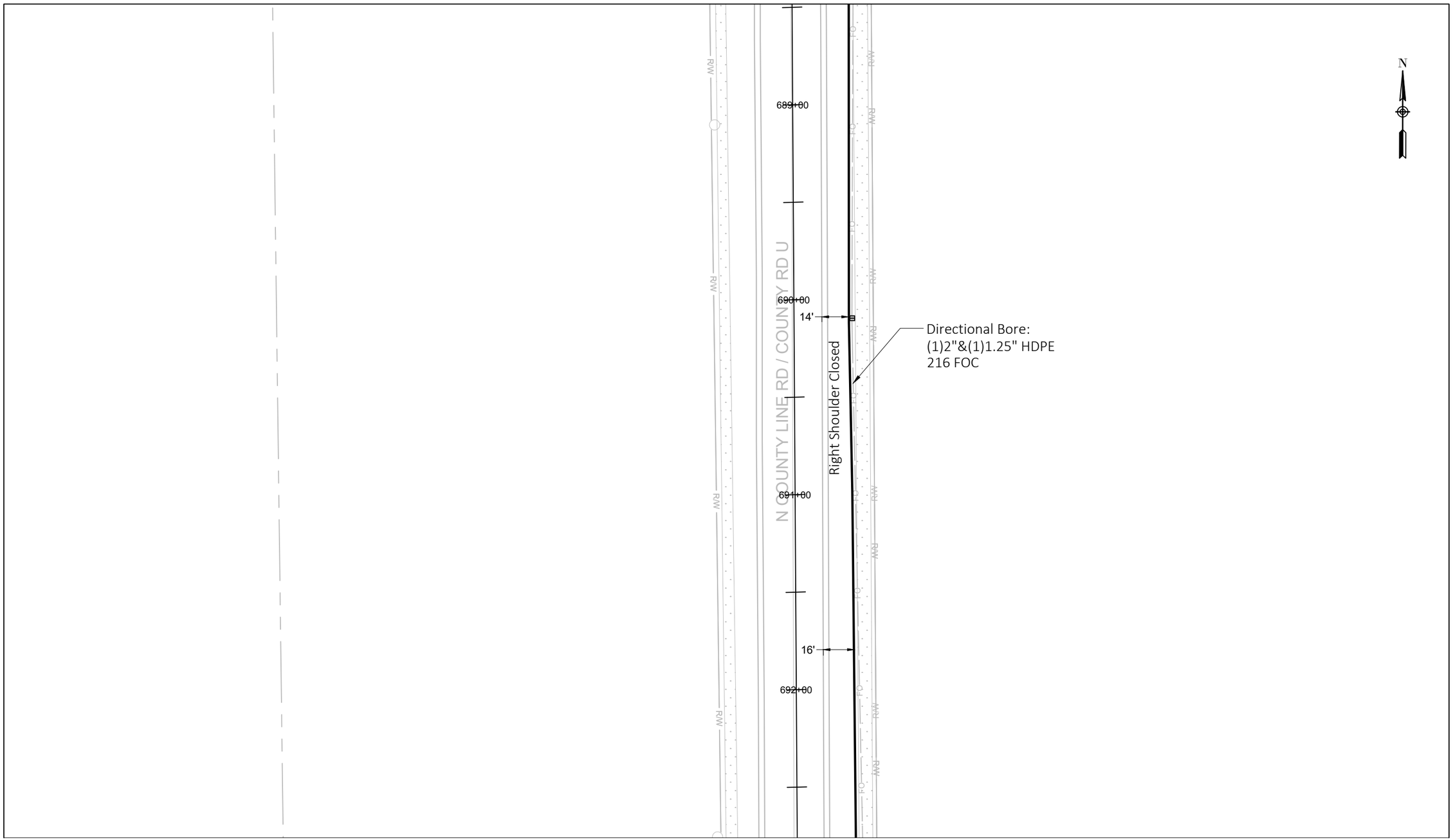


See Sheet 92

Estimated Quantities:

Directional Bore:	779'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 779'

See Sheet 91



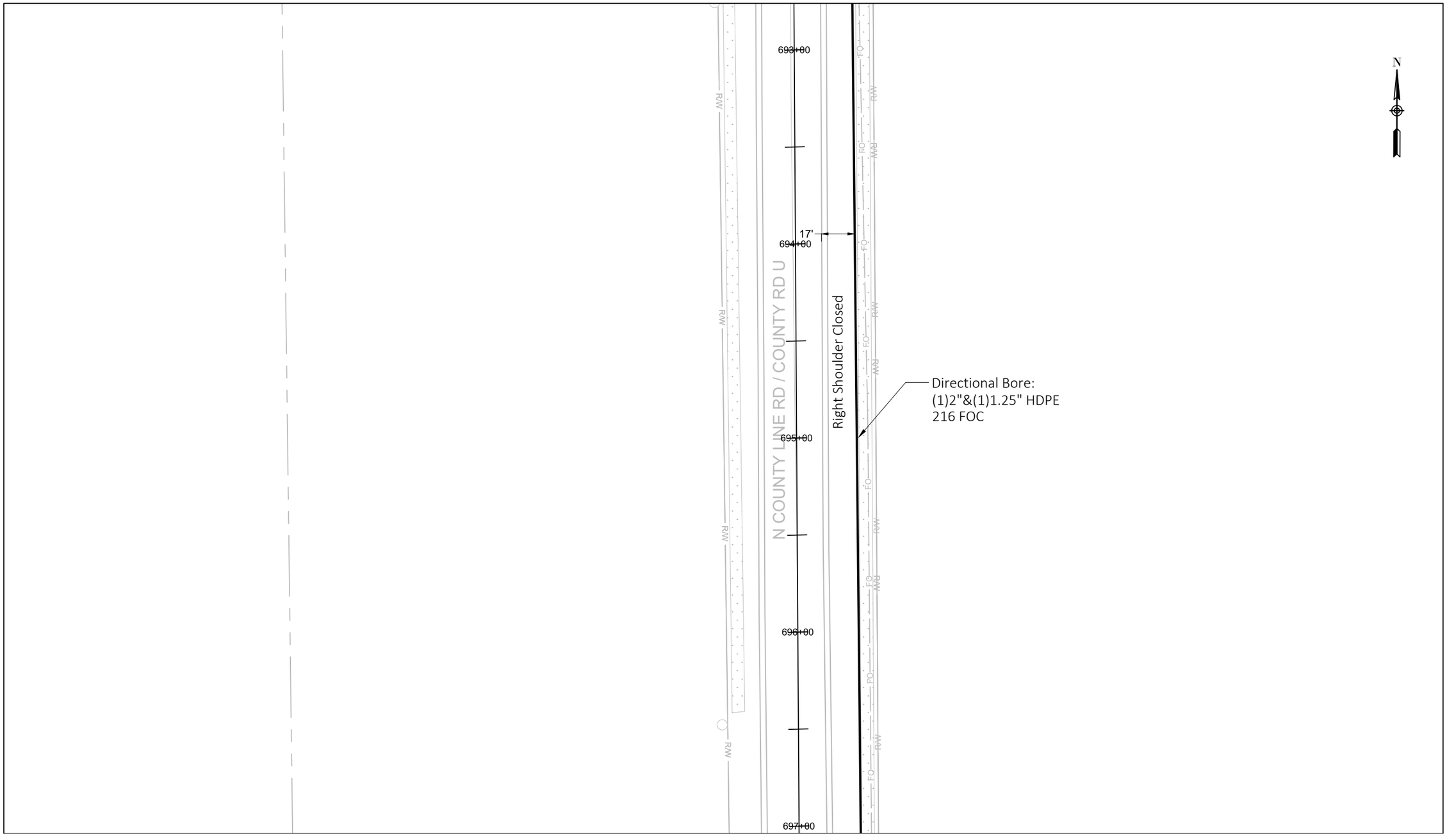
See Sheet 93

Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 427'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 331 E

See Sheet 92

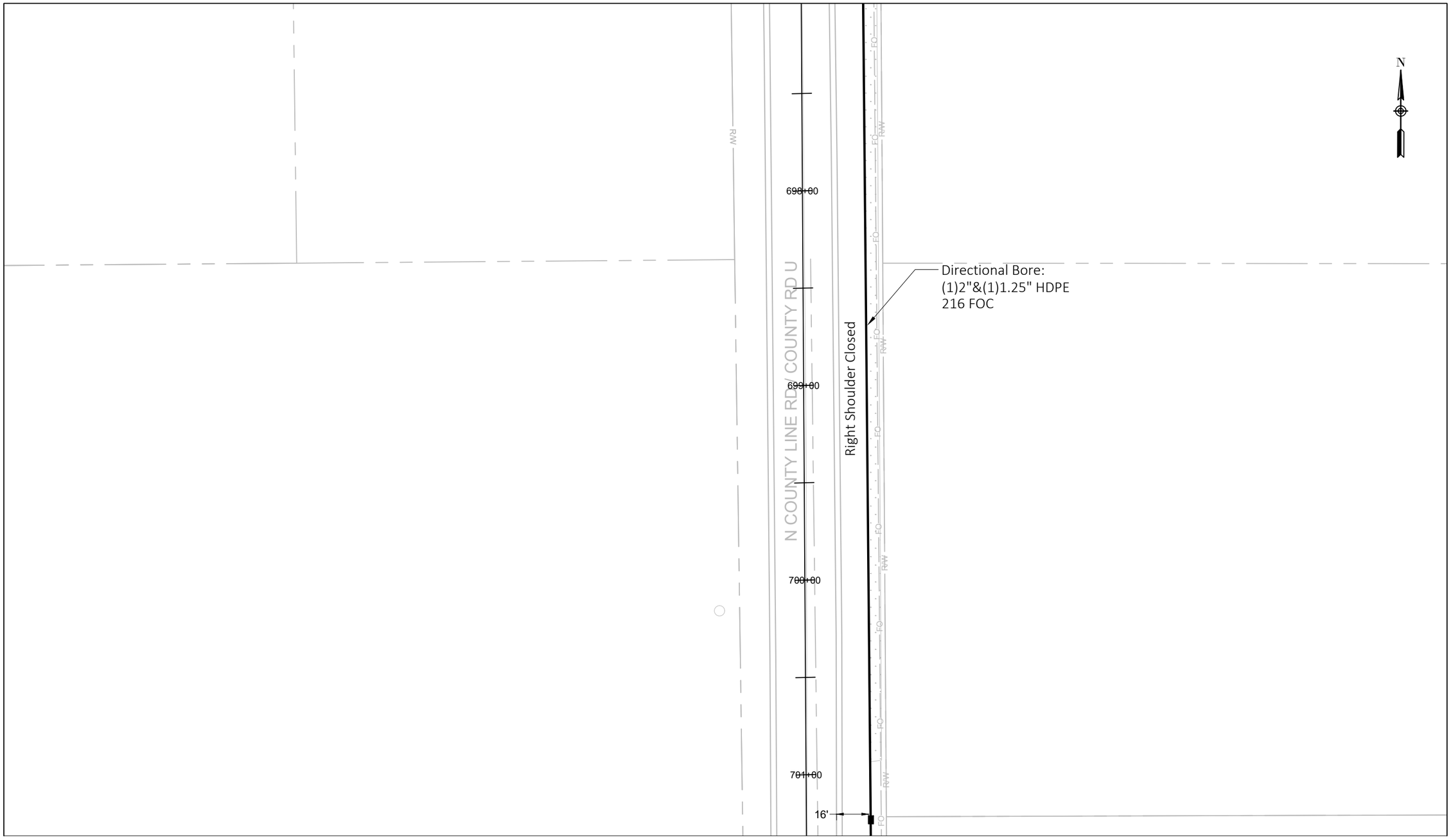


See Sheet 94

Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 427'

See Sheet 93



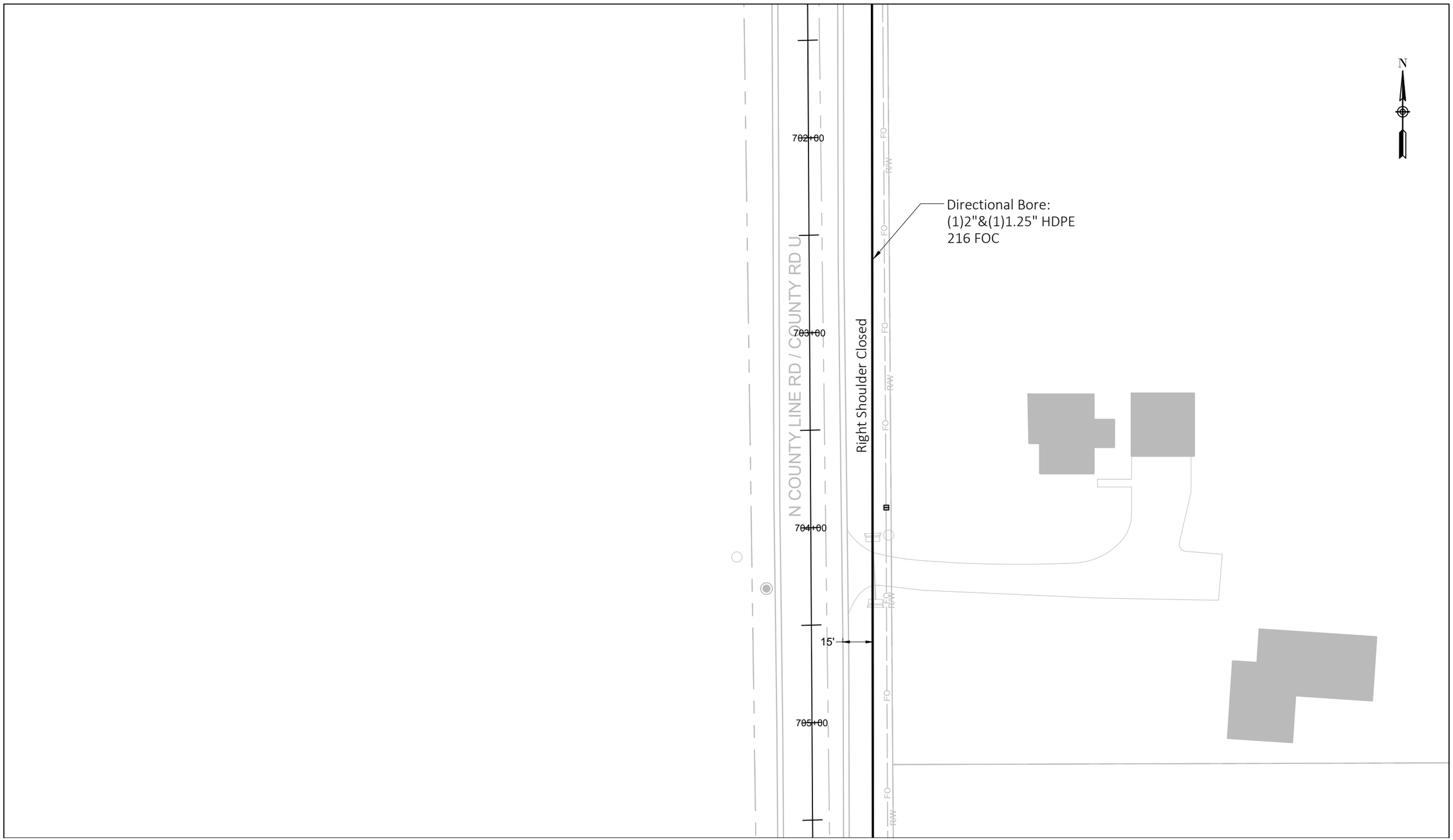
Estimated Quantities:			
Directional Bore:	425'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 425'

See Sheet 95

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 333	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 94
PLOT DATE : 5/7/2020 3:39 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 94



See Sheet 96

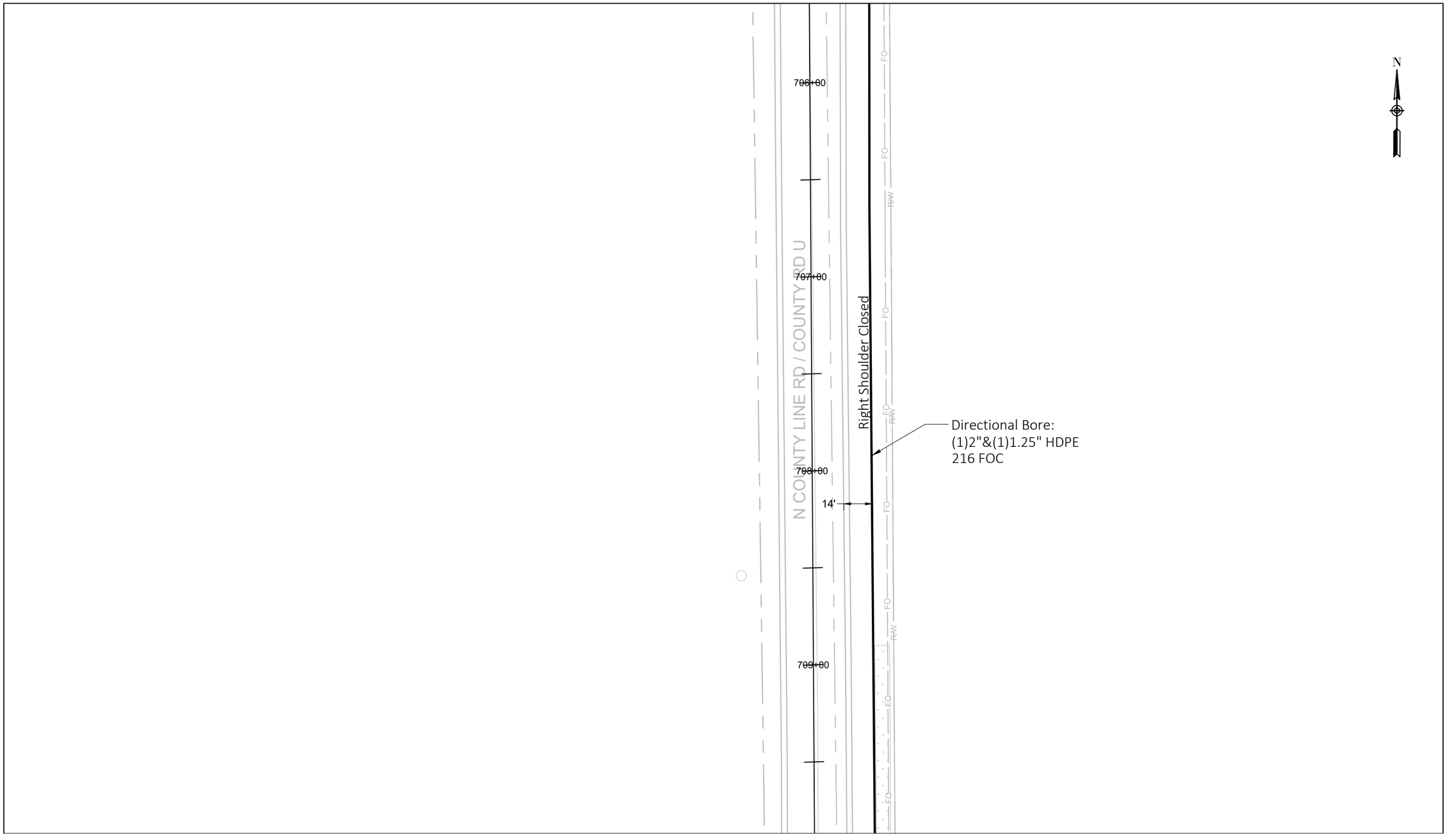
Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 427'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 334 E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 95
PLOT DATE : 5/7/2020 3:40 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 95



See Sheet 97

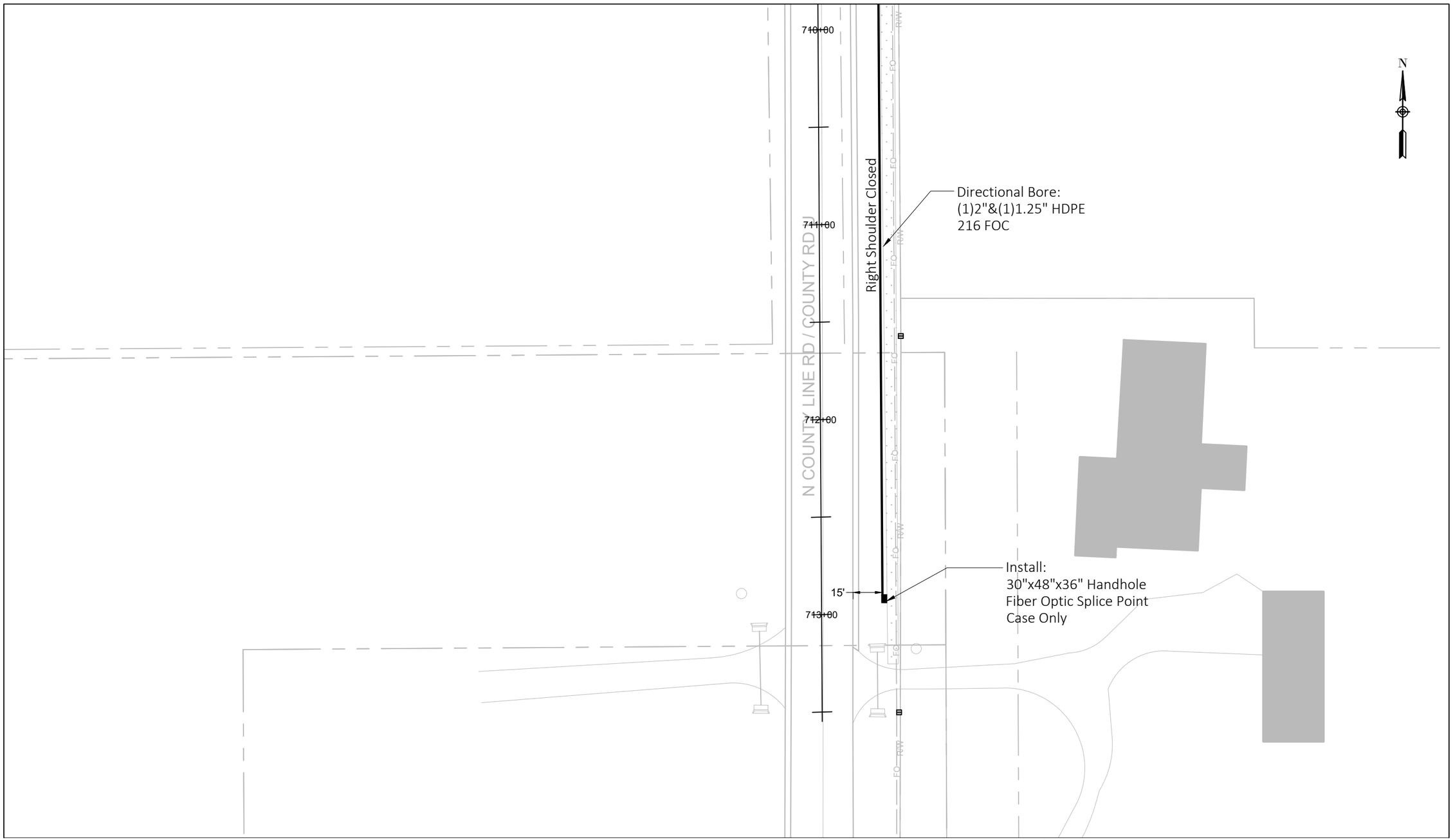
Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 427'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 335	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 96
PLOT DATE : 5/7/2020 3:40 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ############
WISDOT/CADDS SHEET 42

See Sheet 96



Estimated Quantities:

Directional Bore:	302'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 0'	Place 216 FOC in duct: 302'

Print numbering continues with Print 98 at the intersection of Overland Road and STH29/32.

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 336	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 97
PLOT DATE : 5/7/2020 3:41 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########

See Sheet 99



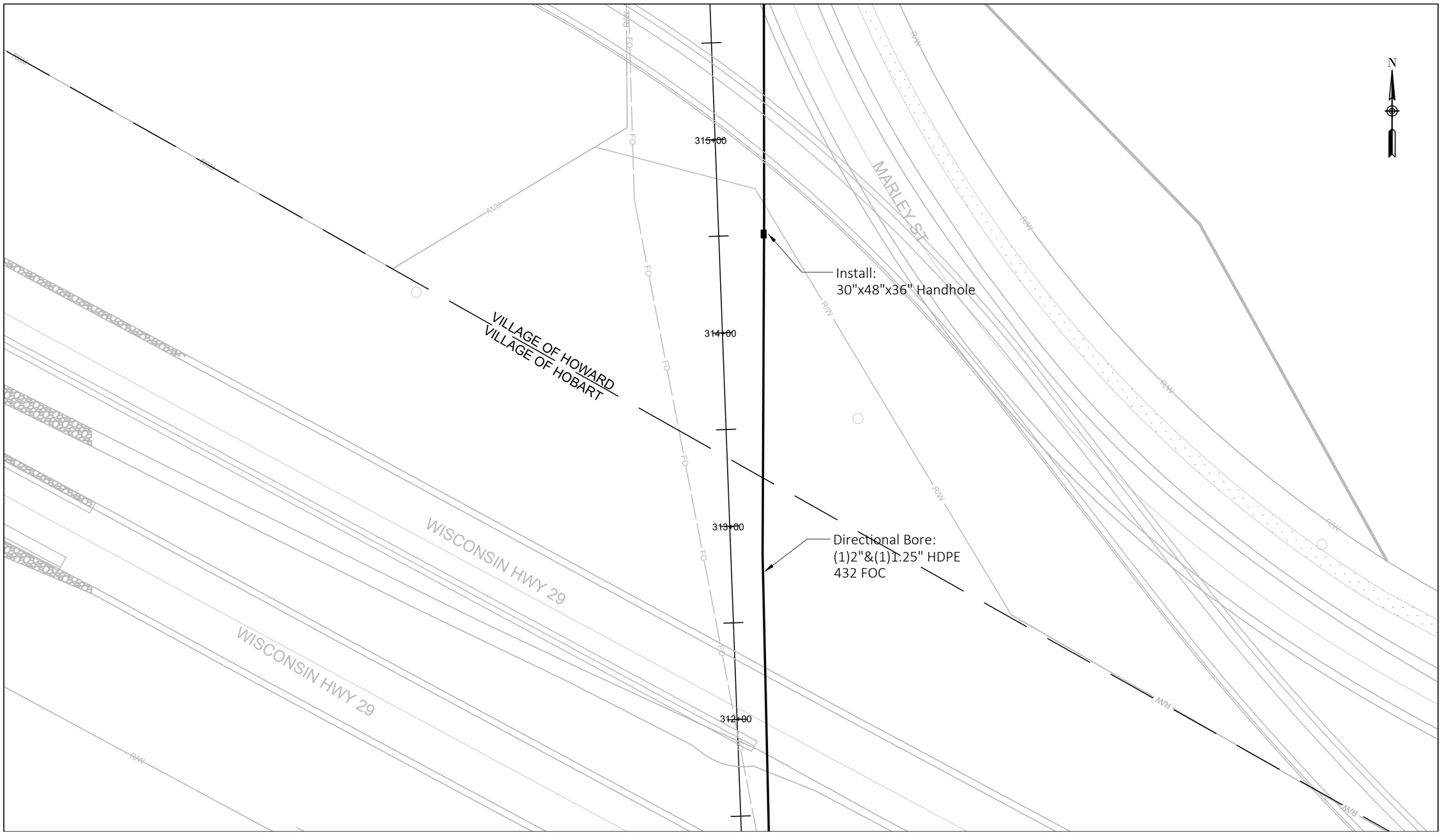
See Sheet 54

Estimated Quantities:

Directional Bore:	431'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 431'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 337 E

See Sheet 100



See Sheet 98

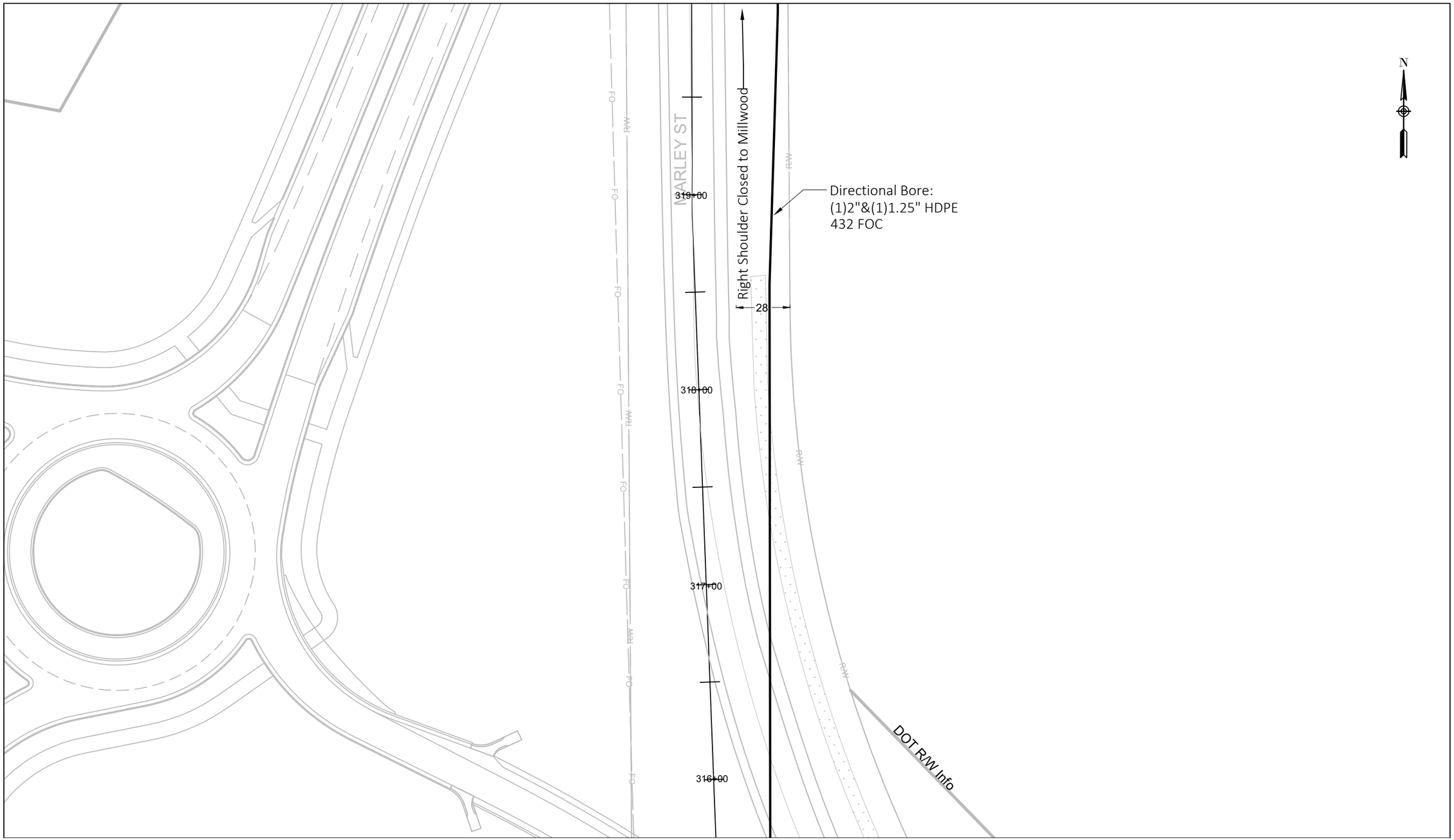
Estimated Quantities:

Directional Bore:	427'	Handhole Installation:	1	Store cable expansion in handhole:	100'
Plow:	0'	Place 432 FOC in duct:	427'	Place 216 FOC in duct:	0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 338	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 99
PLOT DATE : 5/7/2020 3:42 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 101



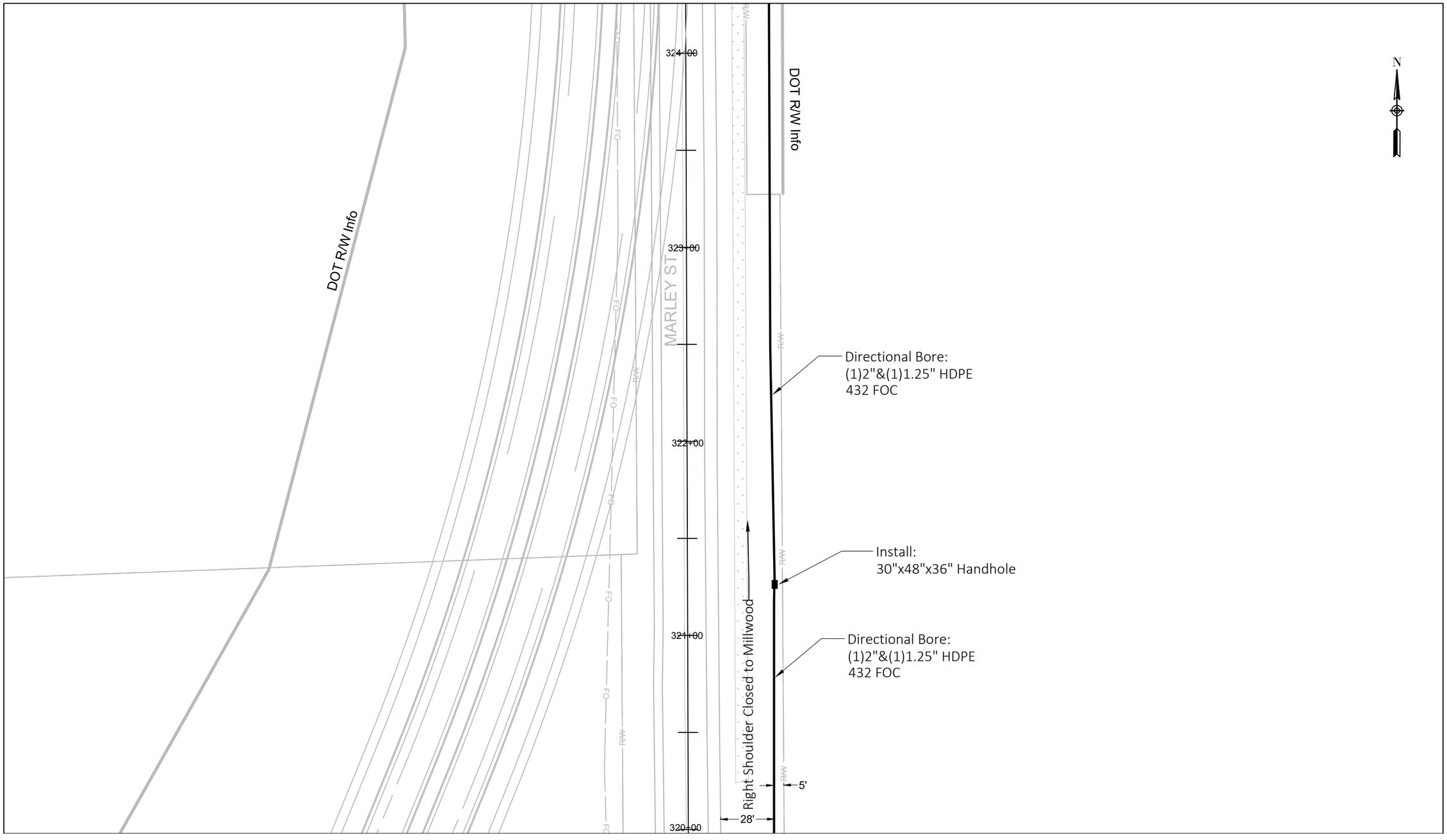
Estimated Quantities:					
Directional Bore:	427'	Handhole Installation:	0	Store cable expansion in handhole:	0'
Plow:	0'	Place 432 FOC in duct:	427'	Place 216 FOC in duct:	0'

See Sheet 99

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 339	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 100
PLOT DATE : 5/7/2020 3:42 PM
PLOT BY : DAN BECKER
PLOT NAME :
PLOT SCALE : ############
WISDOT/CADDS SHEET 42

See Sheet 102



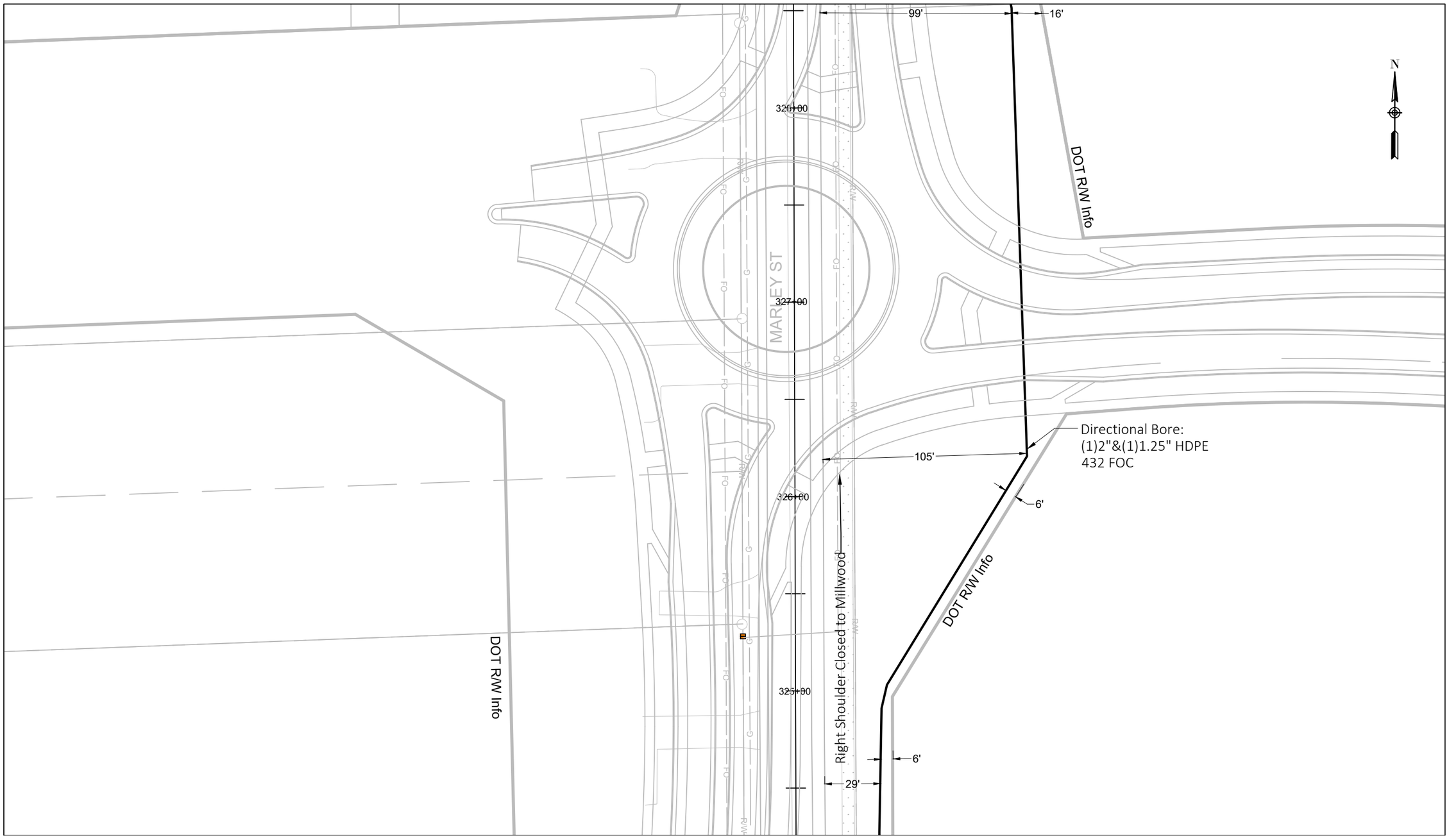
See Sheet 100

Estimated Quantities:

Directional Bore:	427'	Handhole Installation:	1	Store cable expansion in handhole:	100'
Plow:	0'	Place 432 FOC in duct:	427'	Place 216 FOC in duct:	0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 340	E

See Sheet 103

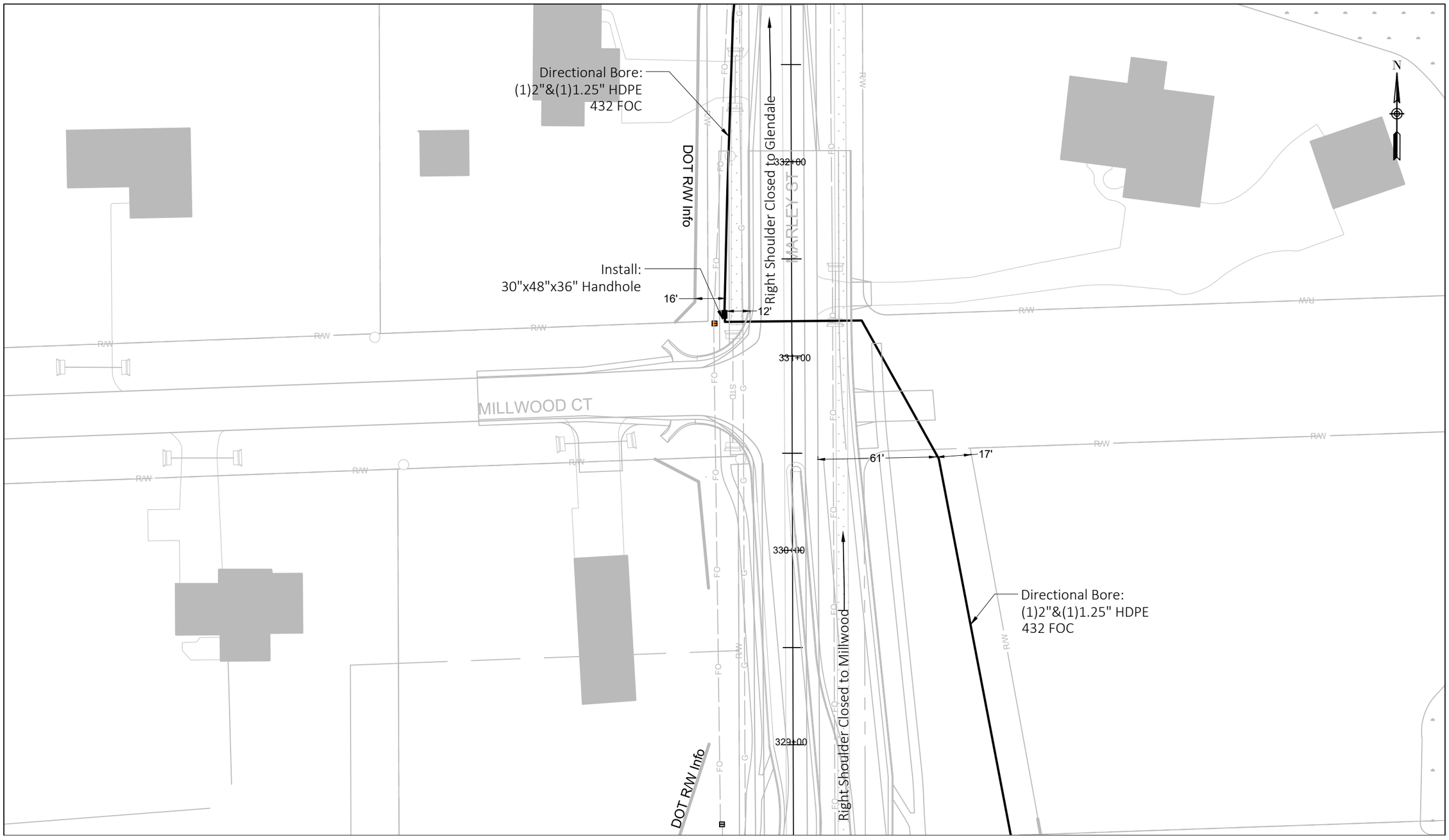


See Sheet 101

Estimated Quantities:

Directional Bore:	455'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 455'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 341	E



See Sheet 102

Estimated Quantities:			
Directional Bore:	511'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 511'	Place 216 FOC in duct: 0'

See Sheet 105



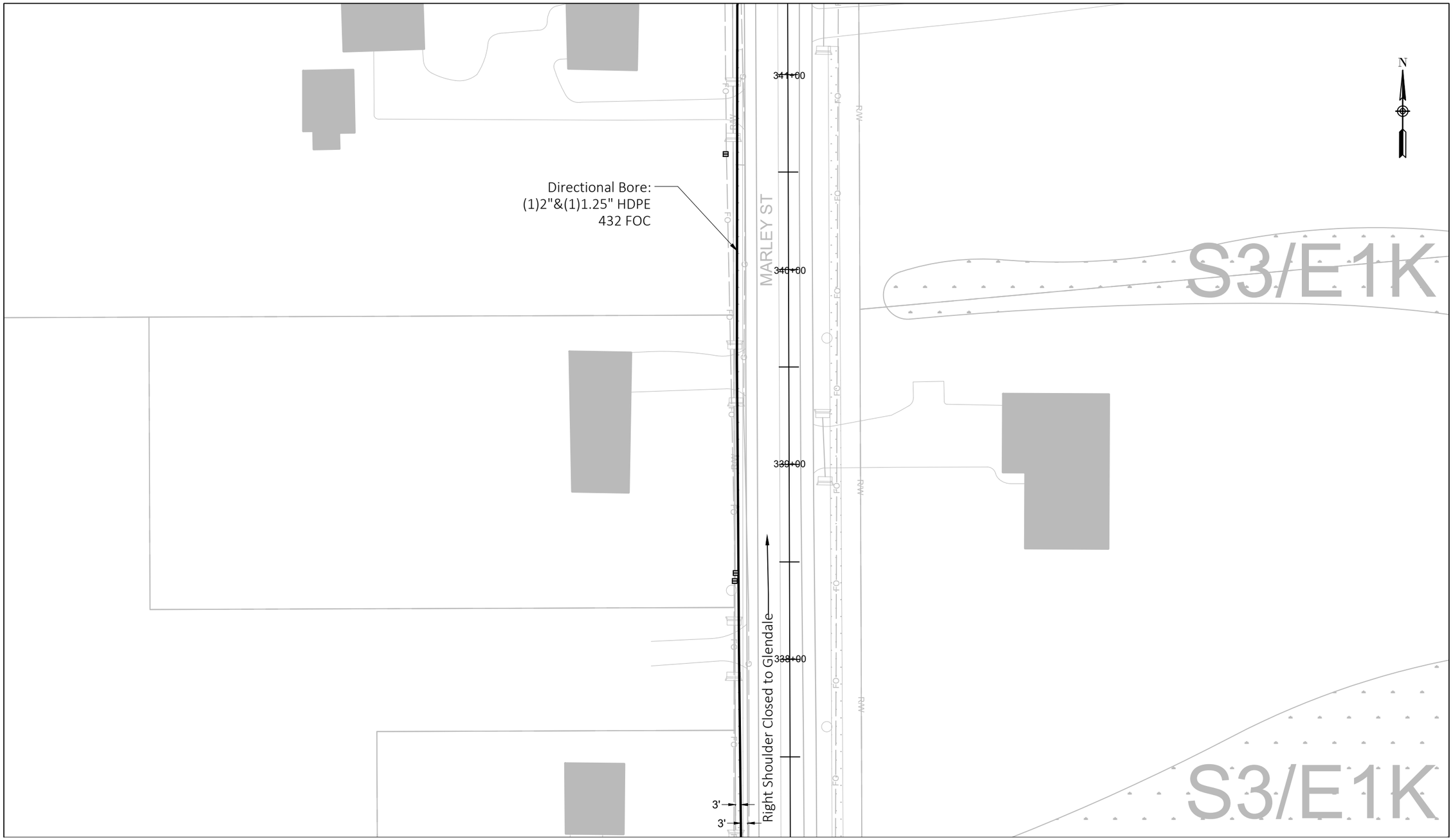
See Sheet 103

Estimated Quantities:			
Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 427'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 343 E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 104
PLOT DATE : 5/7/2020 3:44 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 106



See Sheet 104

Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 427'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 344	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 105
PLOT DATE : 5/7/2020 3:45 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 107



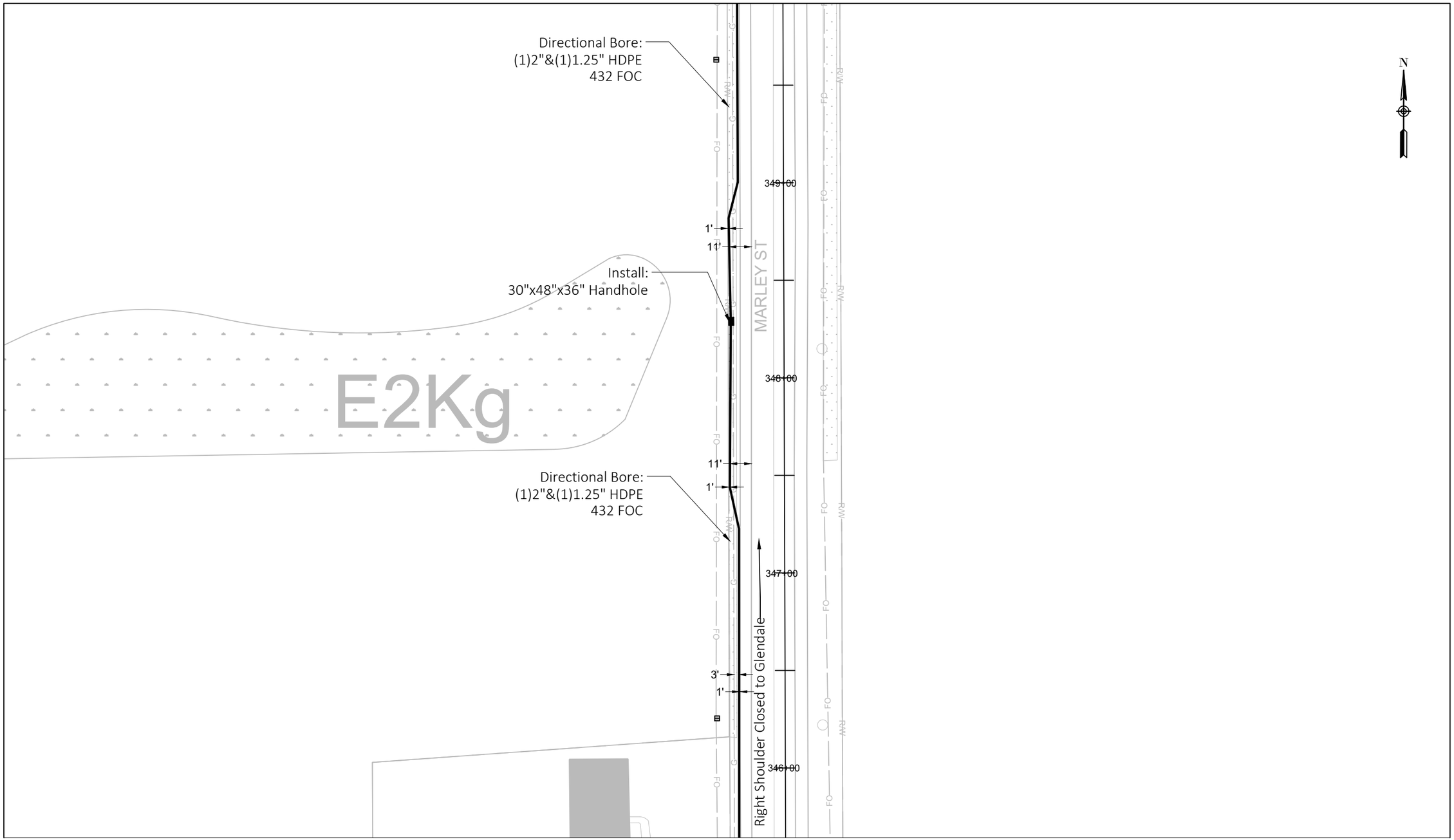
See Sheet 105

Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 427'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 345	E

See Sheet 108



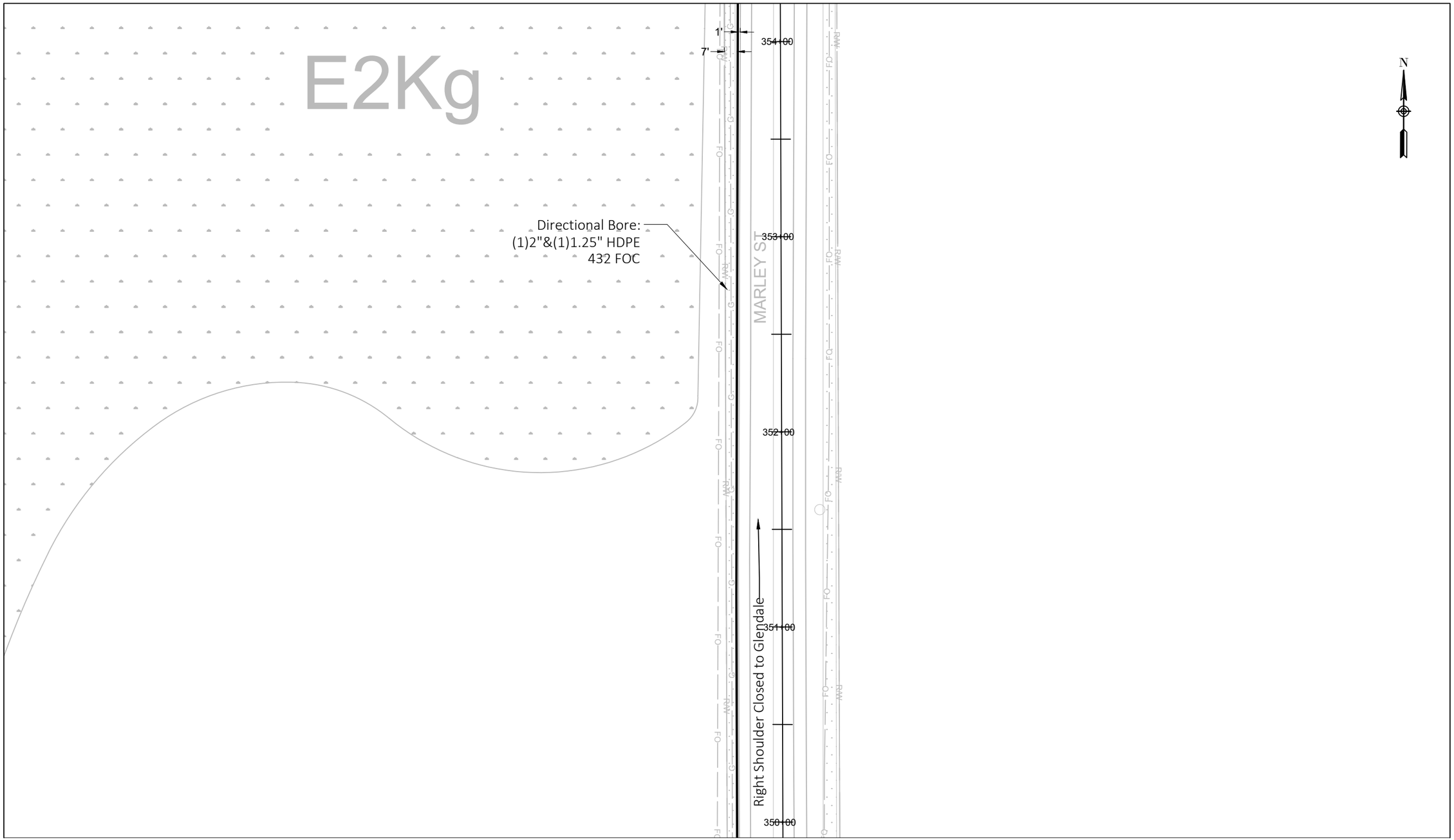
See Sheet 106

Estimated Quantities:

Directional Bore:	425'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 425'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 346	E

See Sheet 109



See Sheet 107

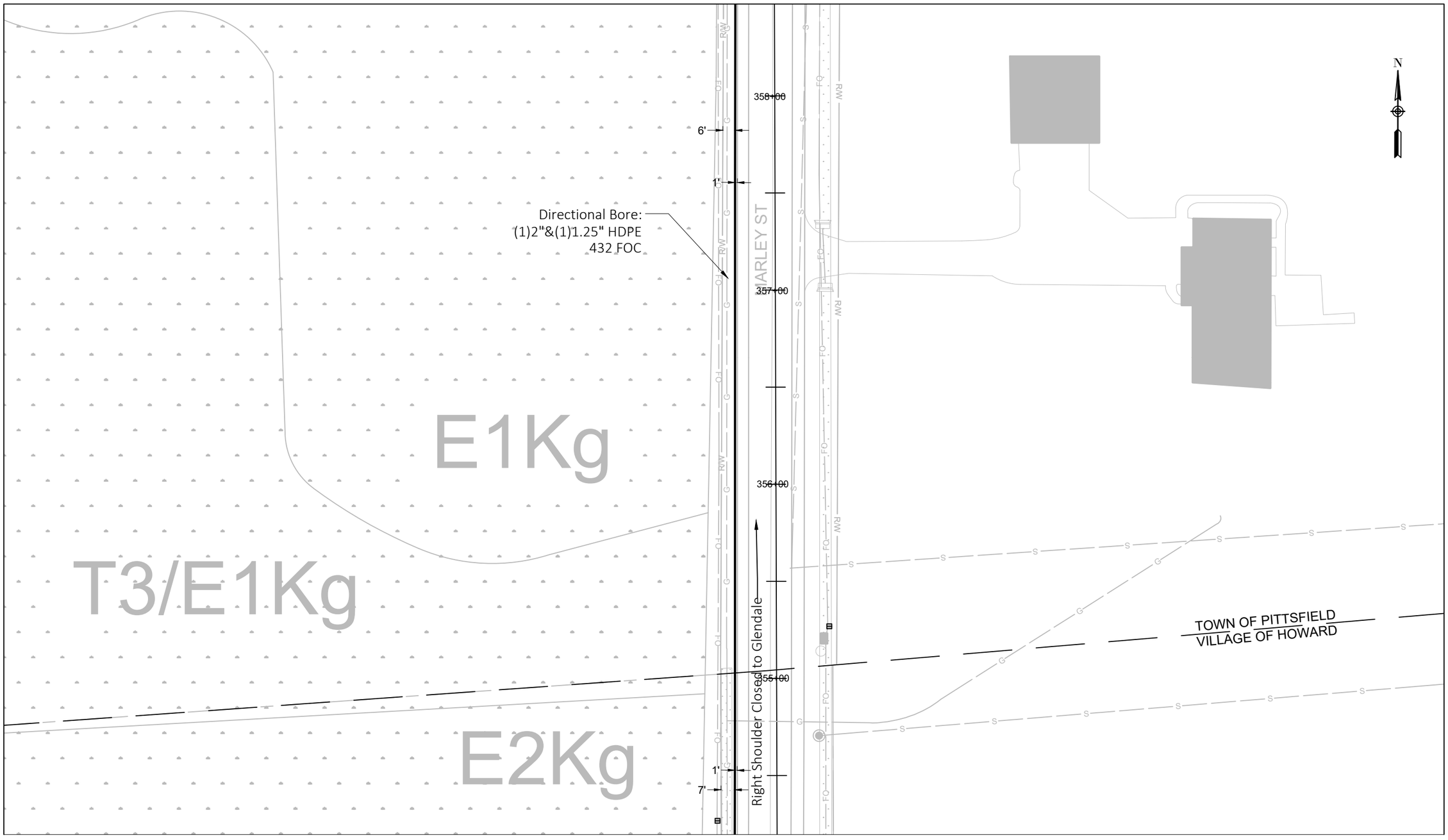
Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 427'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 347	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 108
PLOT DATE : 5/7/2020 3:46 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 110



See Sheet 108

Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 427'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 348	E

2

See Sheet 111

Directional Bore:
(1)2"&(1)1.25" HDPE
432 FOC

14'

Right Shoulder Closed to CTH U

GLENDALE AVE

10'

Install:
30"x48"x36" Handhole
Fiber Optic Splice Point

20'

Directional Bore:
(1)2"&(1)1.25" HDPE
432 FOC

MARLEY ST

362+90

361+00

360+00

359+00

2'

Right Shoulder Closed to Glendale

N

T3/E1Kg

E1Kg

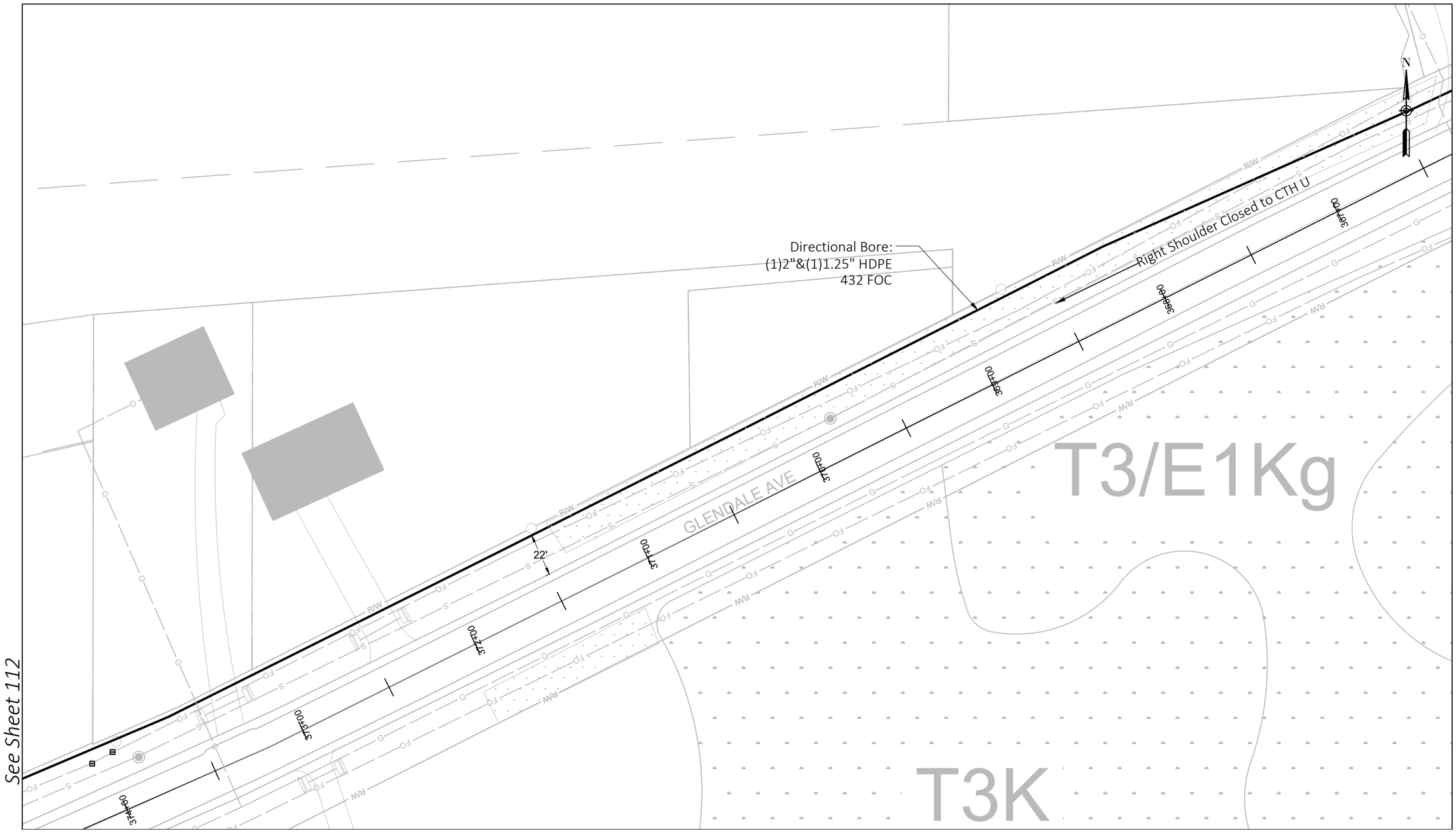
See Sheet 109

Estimated Quantities:

Directional Bore:	711'	Handhole Installation: 1	Store cable expansion in handhole: 200'
Plow:	0'	Place 432 FOC in duct: 711'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 349	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 110
PLOT DATE : 5/7/2020 3:47 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



Estimated Quantities:

Directional Bore:	822'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 822'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 350	E

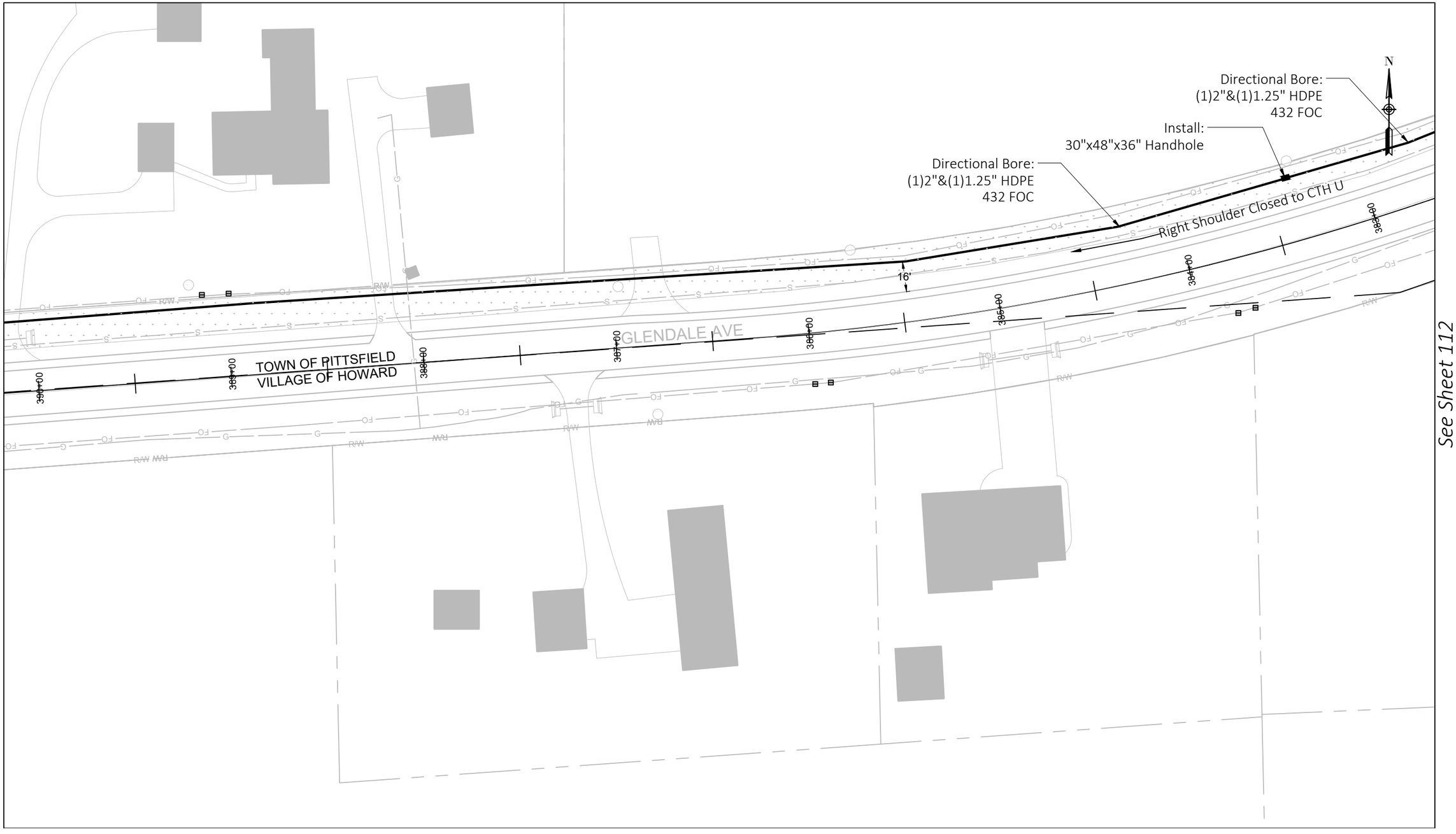
2



Estimated Quantities:

Directional Bore:	809'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 809'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 351	E



Estimated Quantities:

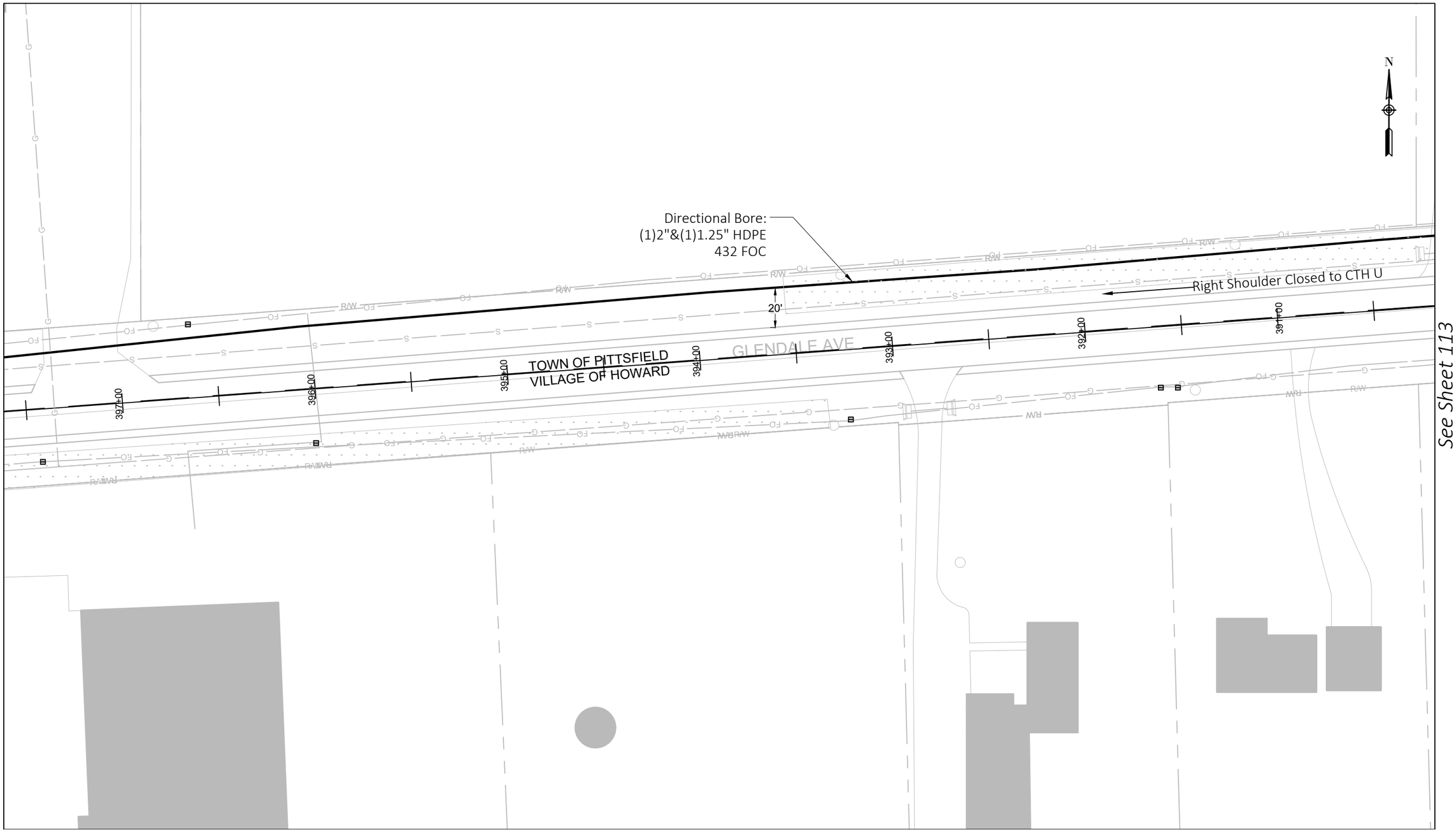
Directional Bore:	750'	Handhole Installation: 1		Store cable expansion in handhole: 100'	
Plow:	0'	Place 432 FOC in duct: 750'		Place 216 FOC in duct: 0'	

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 352	E

114

2

2



Estimated Quantities:

Directional Bore:	743'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 743'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 353	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 114

PLOT DATE : 5/7/2020 3:49 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ############

WISDOT/CADDS SHEET 42

2

2

See Sheet 116

See Sheet 114

N

Directional Bore:
(1)2"&(1)1.25" HDPE
432 FOC

Install:
30"x48"x36" Handhole

Directional Bore:
(1)2"&(1)1.25" HDPE
432 FOC

Right Shoulder Closed to CTH U

14'

GLENDALE AVE

TOWN OF PITTSFIELD
VILLAGE OF HOWARD

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

PARKING LOT

Estimated Quantities:					
Directional Bore:	738'	Handhole Installation:	1	Store cable expansion in handhole:	100'
Plow:	0'	Place 432 FOC in duct:	738'	Place 216 FOC in duct:	0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 354	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 115

PLOT DATE : 5/7/2020 3:49 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ###########

WISDOT/CADDS SHEET 42

2

2

See Sheet 117

See Sheet 115

STORAGE YARD

Directional Bore:
(1)2"&(1)1.25" HDPE
432 FOC

Right Shoulder Closed to CTH U

14'

TOWN OF PITTSFIELD
VILLAGE OF HOWARD

GLENDALE AVE

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

N

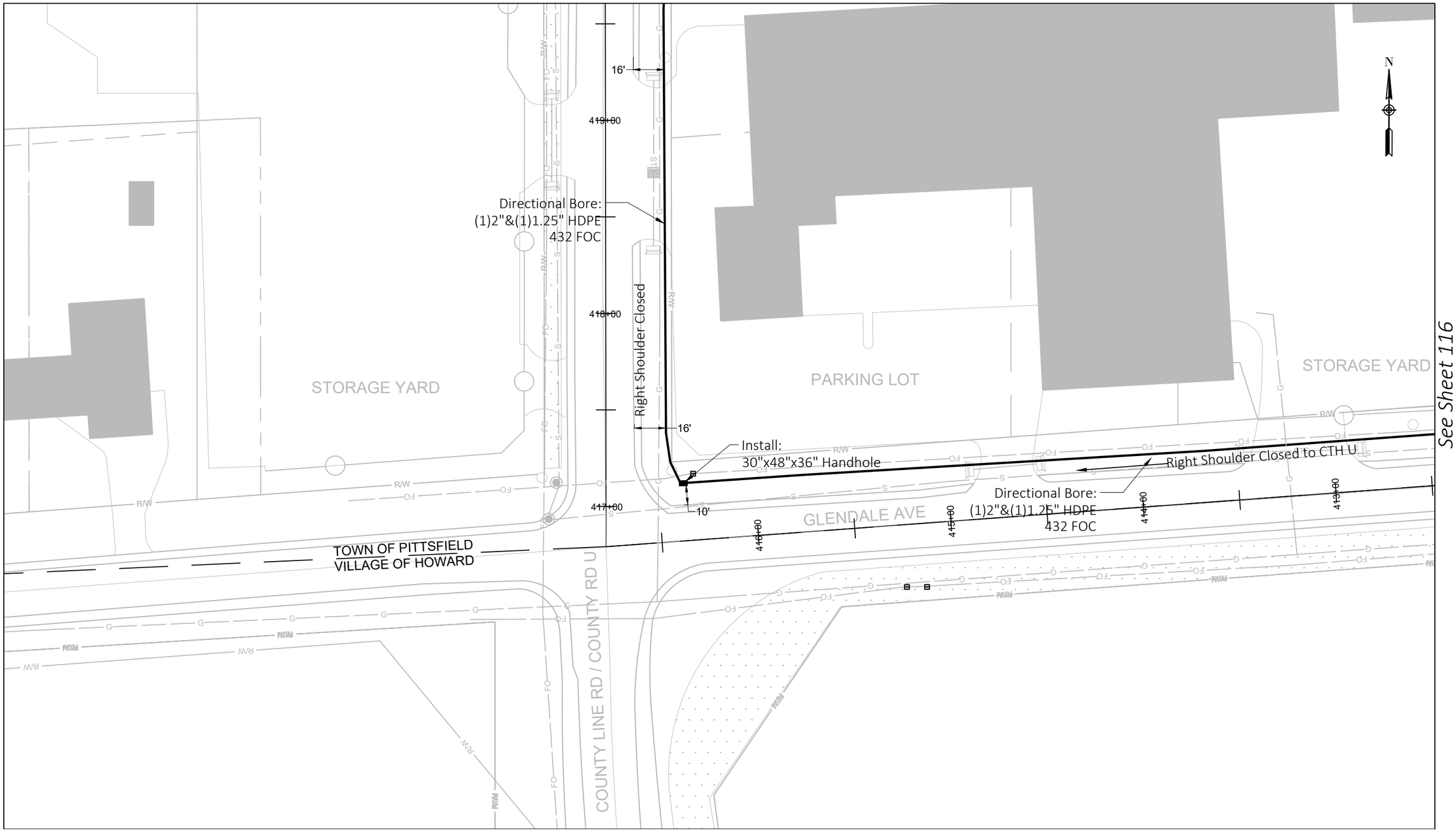
Estimated Quantities:			
Directional Bore:	743'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 743'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 355	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 116

PLOT DATE : 5/7/2020 3:50 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ############

See Sheet 118



See Sheet 116

Estimated Quantities:

Directional Bore:	643'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 643'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 356	E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 117
PLOT DATE : 5/7/2020 3:50 PM PLOT BY : DAN BECKER PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

See Sheet 119

2



See Sheet 117

Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 427'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 357	E

See Sheet 120



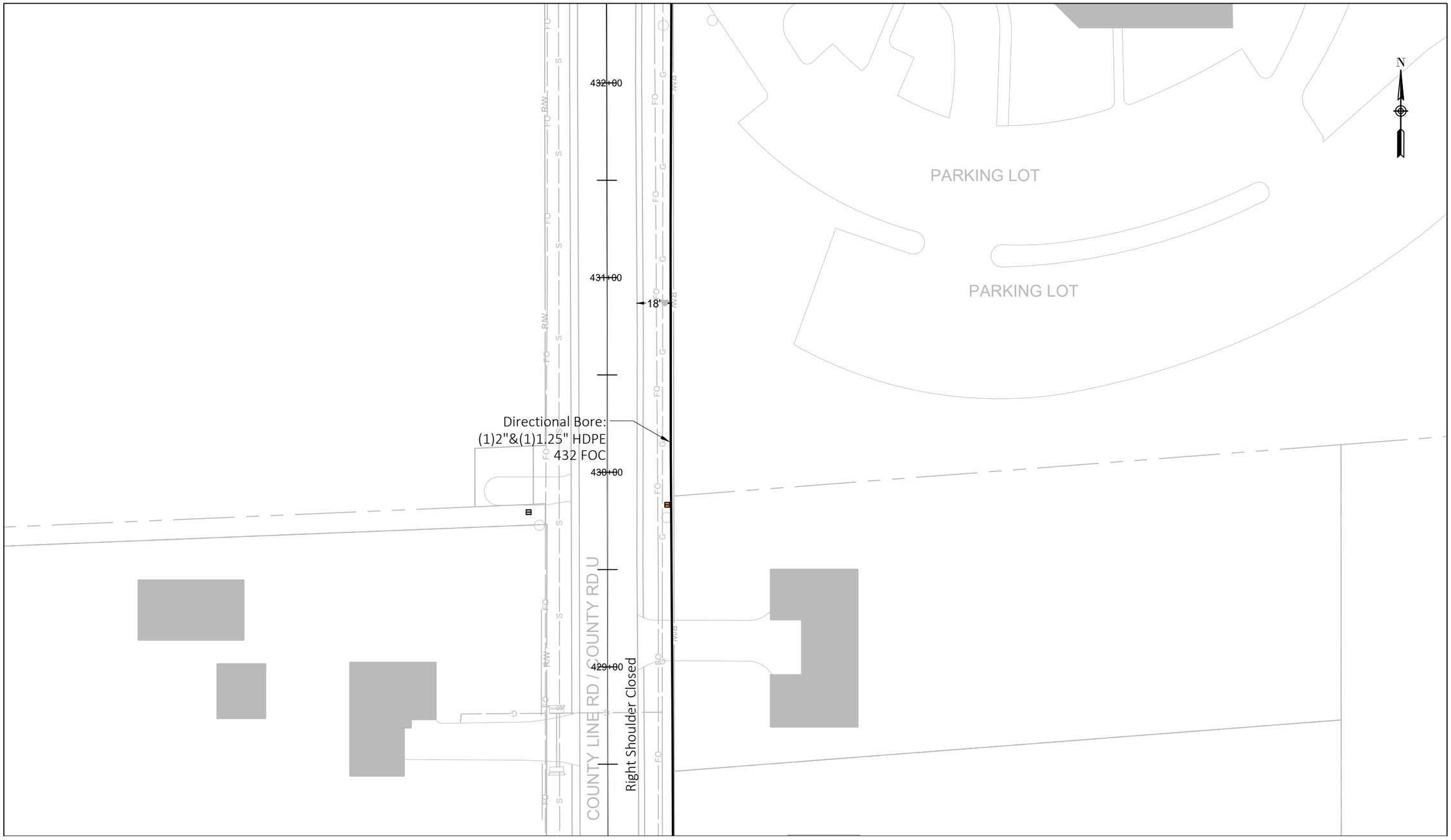
See Sheet 118

Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 427'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 358	E

See Sheet 121



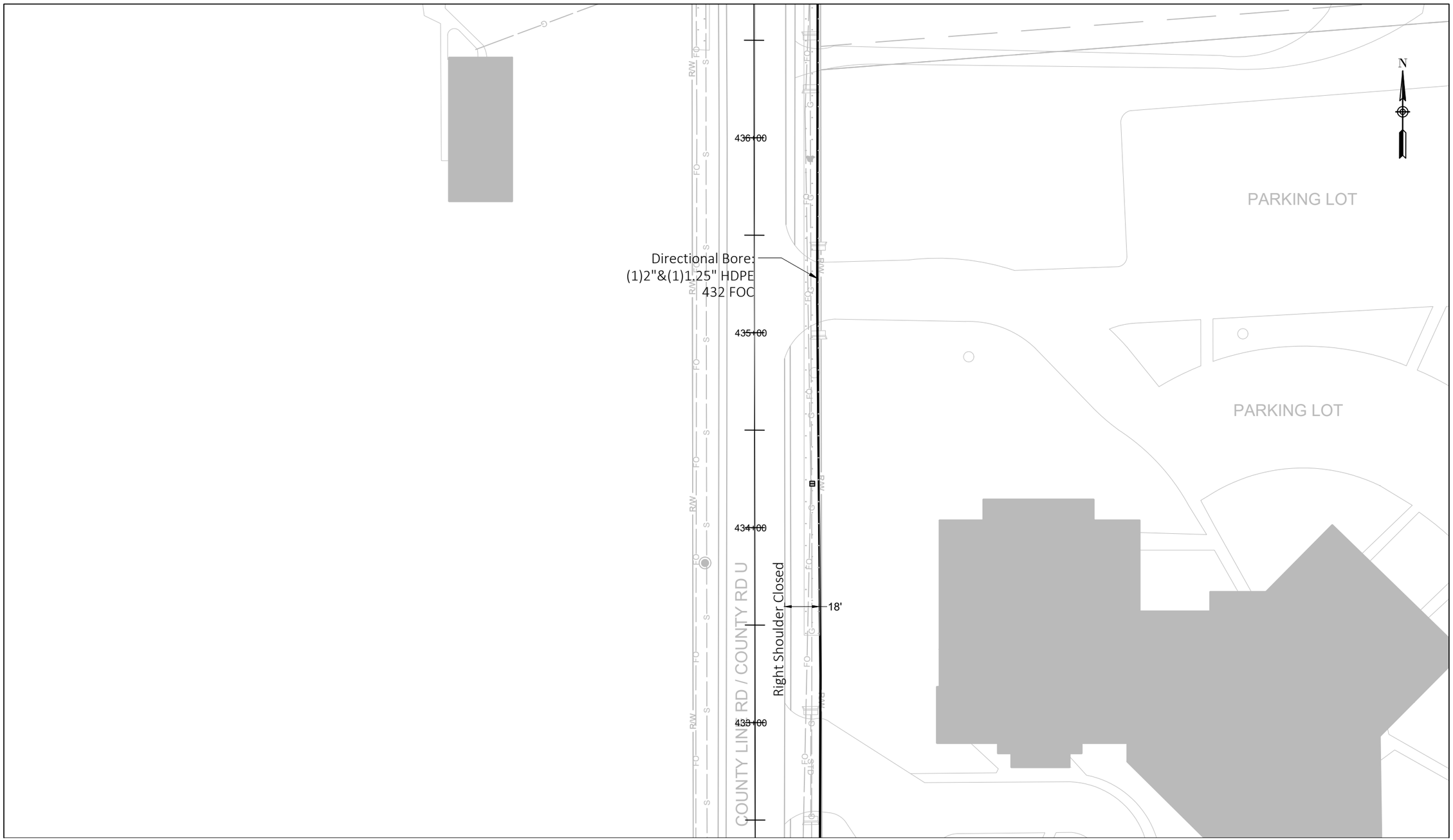
See Sheet 119

Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 427'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 359	E

See Sheet 122

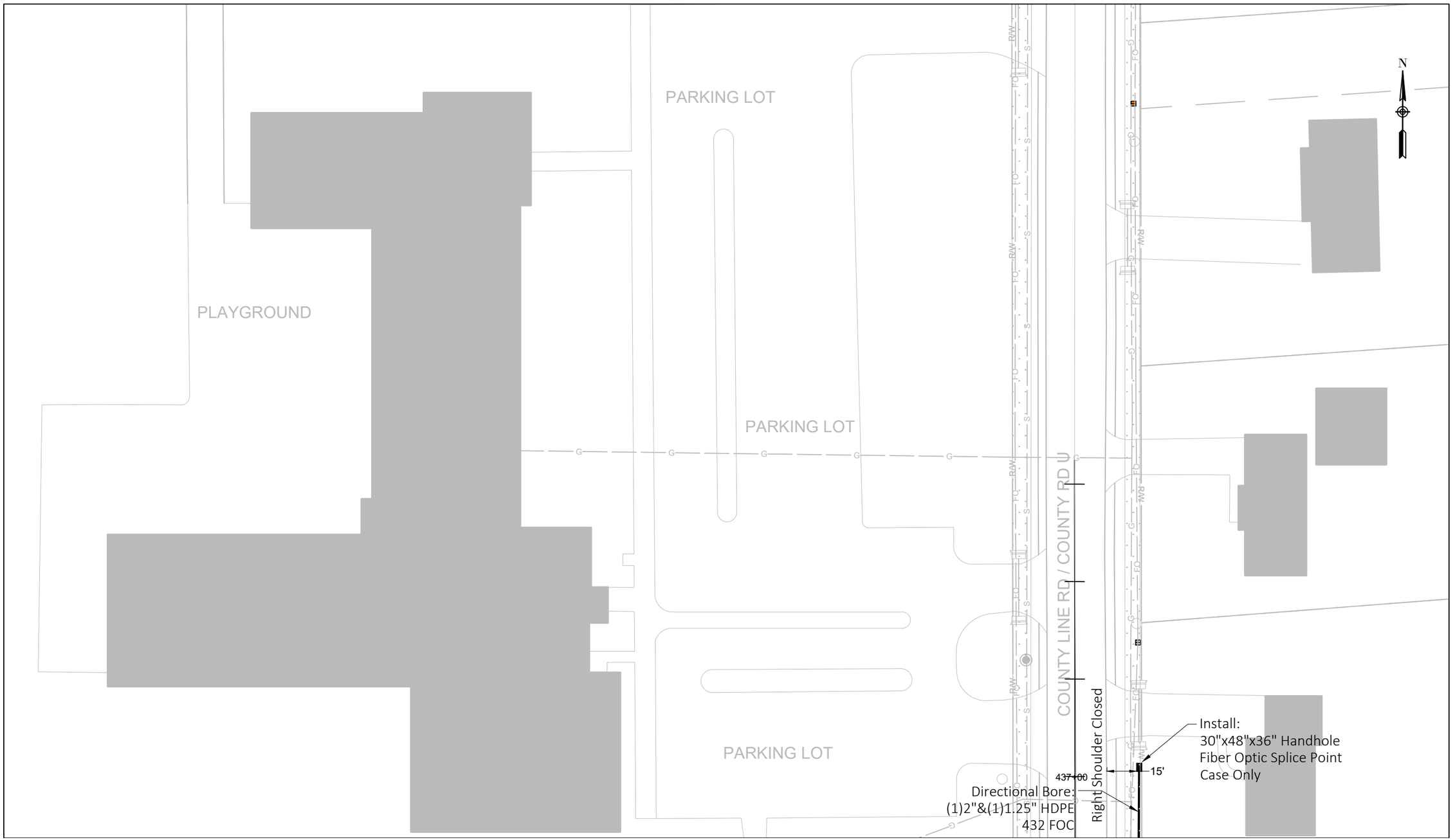


See Sheet 120

Estimated Quantities:

Directional Bore:	427'	Handhole Installation: 0	Store cable expansion in handhole: 0'
Plow:	0'	Place 432 FOC in duct: 427'	Place 216 FOC in duct: 0'

PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 360	E



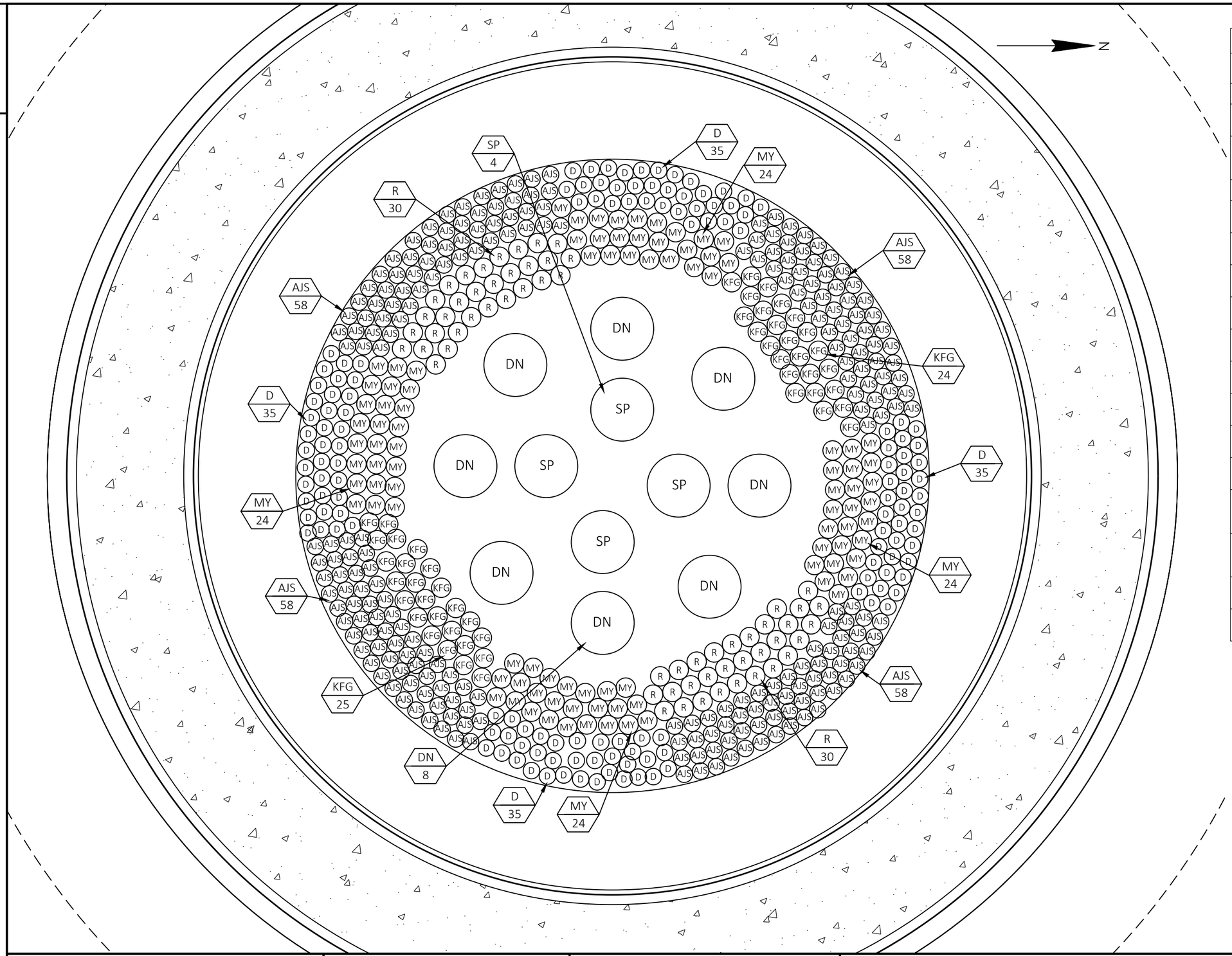
See Sheet 121

Estimated Quantities:

Directional Bore:	34'	Handhole Installation: 1	Store cable expansion in handhole: 100'
Plow:	0'	Place 432 FOC in duct: 34'	Place 216 FOC in duct: 0'

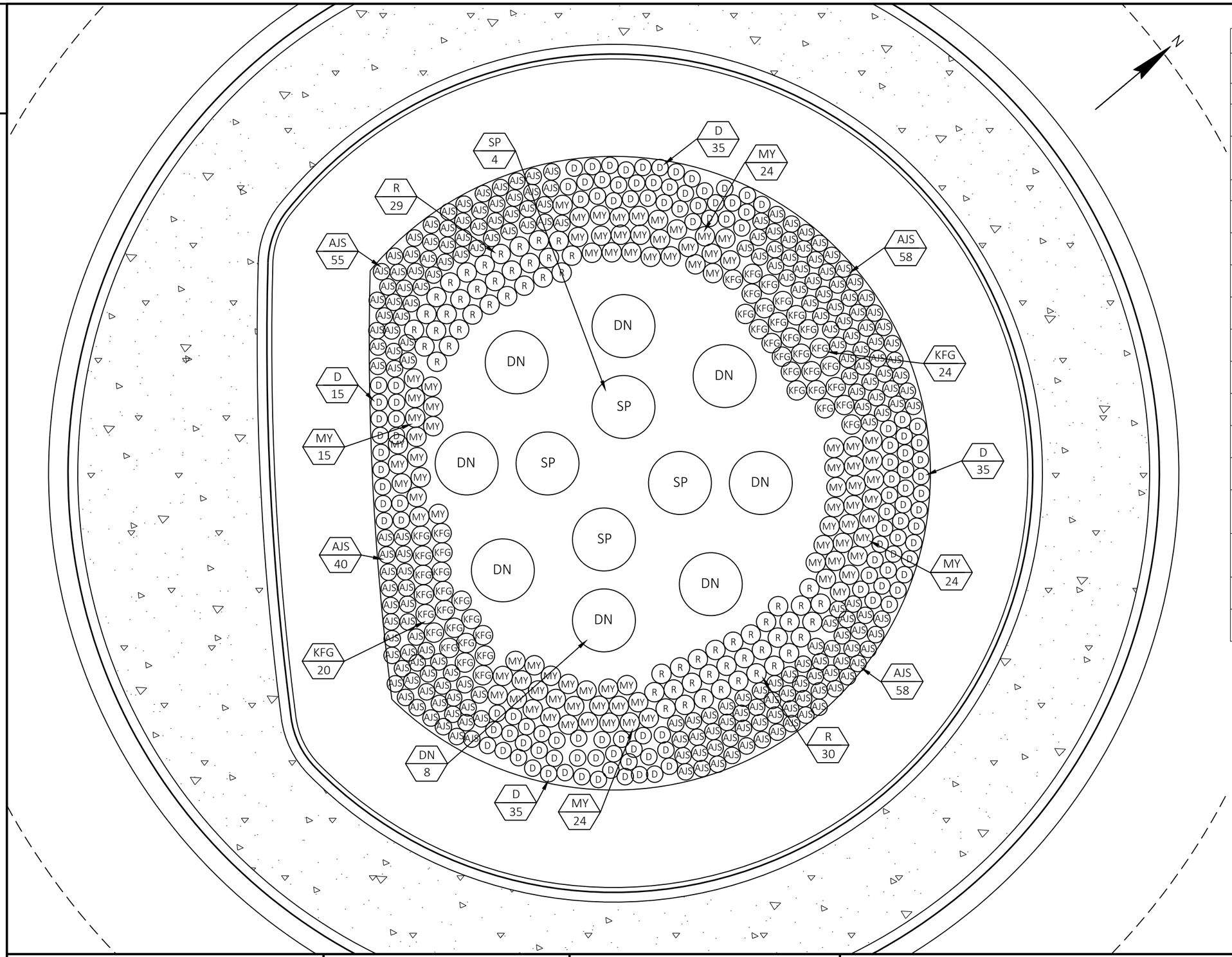
PROJECT NO: 9200-10-72	HWY: STH 29	COUNTY: BROWN	BROADBAND FIBER PLAN	SHEET 361 E

FILE NAME : Z:\1-MCAE PROJECTS\B\BROWN COUNTY\CTH VV CONNECTION\DRAWINGS\CTH VV INTERCHANGE BROADBAND PLANS 04-28-2020.DWG
LAYOUT NAME - 122
PLOT DATE : 5/7/2020 3:53 PM
PLOT BY : DAN BECKER
PLOT NAME :
PLOT SCALE : ############
WISDOT/CADDS SHEET 42



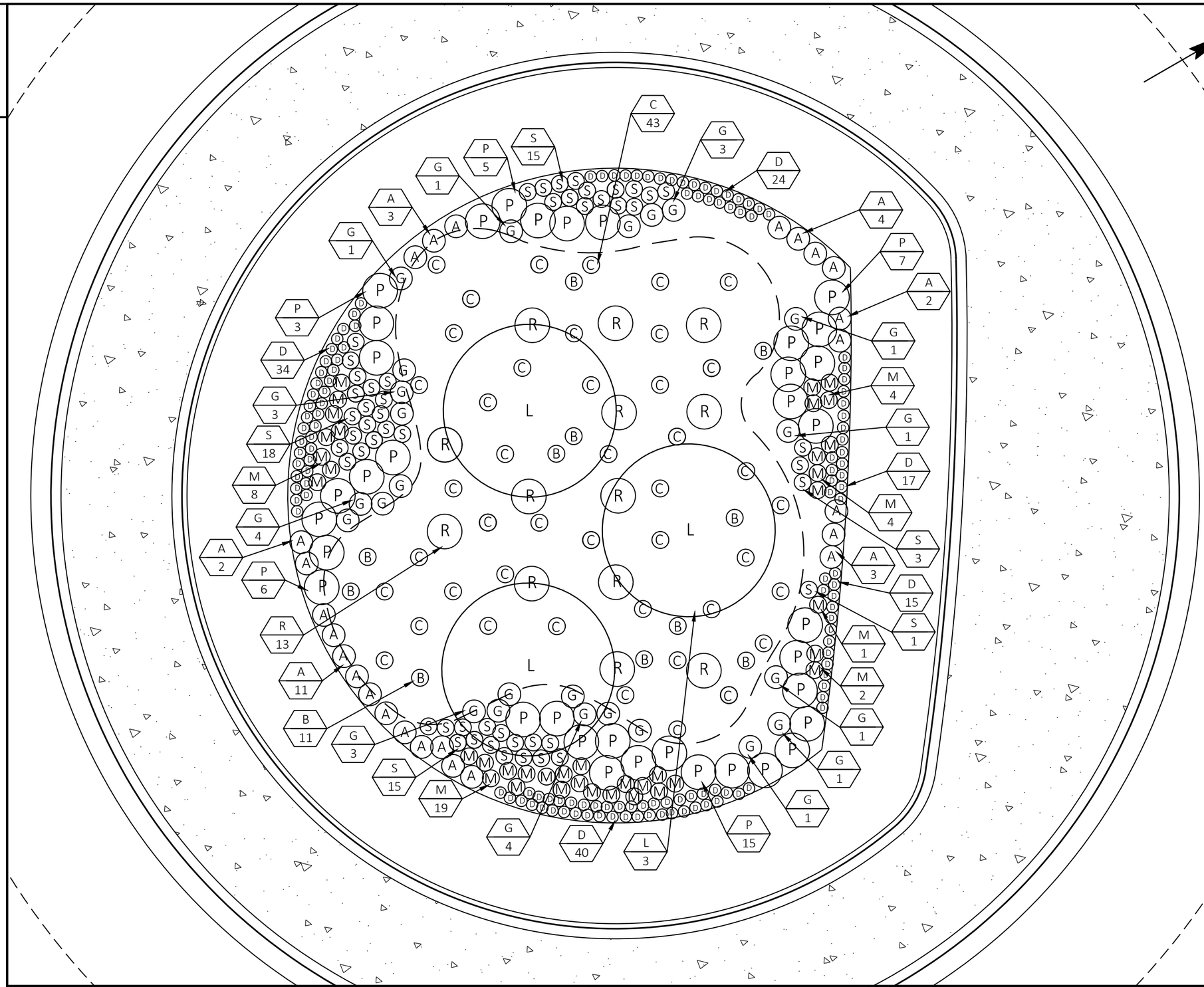
PLANT LIST		
Symbol	Common Name	Quantity on sheet
SMALL TREES		
L	IVORY SILK LILAC (TRESS, SYRINGA RETICULATA)	
SP	SPARTAN JUNIPER (TREES, JUNIPERUS CHINENSIS 'SPARTAN')	4
SHRUBS, GRASSES, & PERENNIALS		
P	ABBOTSWOOD POTENTILLA (SHRUBS, POTENTILLA FRUTICOAS)	
R	RUSSIAN SAGE, LONGIN (PERENNIAL, PEROVSKIA ATRIPLICIFOLIA)	60
A	PROFESSOR KIPPENBEG ASTER (PERENNIAL, ASTER NOVAE - ANGLIAE)	
G	PURPLE GAS PLANT (PERENNIAL, DICATMNUS ALBUS)	
B	BUTTERFLY FLOWER (PERENNIAL, ASCLEPIAS TUBEROSA)	
C	'BRAVADO' CONEFLOWER (PERENNIAL, ECHINACEA PURPUREA)	
M	'FIREBALL' MONARDA (PERENNIAL, MONARDA DIDYMA)	
S	'AUTUMN FIRE' SEDUM (PERENNIAL, SEDUM X)	
D	'STELLA D'ORO' DAYLILLY (PERENNIAL, HEMROCALIS)	140
DN	DIABOLO NINEBARK (SHRUBS, PHYSOCARPUS OPULIFOLIUS 'MONLO')	8
KFG	KARL FOERSTER FEATHER REED GRASS (GRASSES, CALAMAGROSTIS X ACUTIFLORA)	49
AJS	AUTUMN JOY SEDUM (PERENNIALS, SEDUM SPECTABILE)	232
MY	MOONSHINE YARROW (PERENNIALS, ACHILLEA MOONSHINE)	96

1. EXSITING SOIL IN PLANTING AREA TO BE REMOVED TO A DEPTH OF 24" AND REPLACED WITH PLANTING MIXTURE.
2. MULCH ENTIRE PLANTING BED WITH SHREDDED MULCH TO A MAXIMUM DEPTH OF 3 INCHES. DO NOT BURY PLANT VEGETATION WITH MULCH.



PLANT LIST		
Symbol	Common Name	Quantity on sheet
SMALL TREES		
L	IVORY SILK LILAC (TRESS, SYRINGA RETICULATA)	
SP	SPARTAN JUNIPER (TREES, JUNIPERUS CHINENSIS 'SPARTAN')	4
SHRUBS, GRASSES, & PERENNIALS		
P	ABBOTSWOOD POTENTILLA (SHRUBS, POTENTILLA FRUTICOAS)	
R	RUSSIAN SAGE, LONGIN (PERENNIAL, PEROVSKIA ATRIPLICIFOLIA)	59
A	PROFESSOR KIPPENBEG ASTER (PERENNIAL, ASTER NOVAE - ANGLIAE)	
G	PURPLE GAS PLANT (PERENNIAL, DICATMNUS ALBUS)	
B	BUTTERFLY FLOWER (PERENNIAL, ASCLEPIAS TUBEROSA)	
C	'BRAVADO' CONEFLOWER (PERENNIAL, ECHINACEA PURPUREA)	
M	'FIREBALL' MONARDA (PERENNIAL, MONARDA DIDYMA)	
S	'AUTUMN FIRE' SEDUM (PERENNIAL, SEDUM X)	
D	'STELLA D'ORO' DAYLILLY (PERENNIAL, HEMROCALIS)	120
DN	DIABOLO NINEBARK (SHRUBS, PHYSOCARPUS OPULIFOLIUS 'MONLO')	8
KFG	KARL FOERSTER FEATHER REED GRASS (GRASSES, CALAMAGROSTIS X ACUTIFLORA)	44
AJS	AUTUMN JOY SEDUM (PERENNIALS, SEDUM SPECTABILE)	211
MY	MOONSHINE YARROW (PERENNIALS, ACHILLEA MOONSHINE)	87

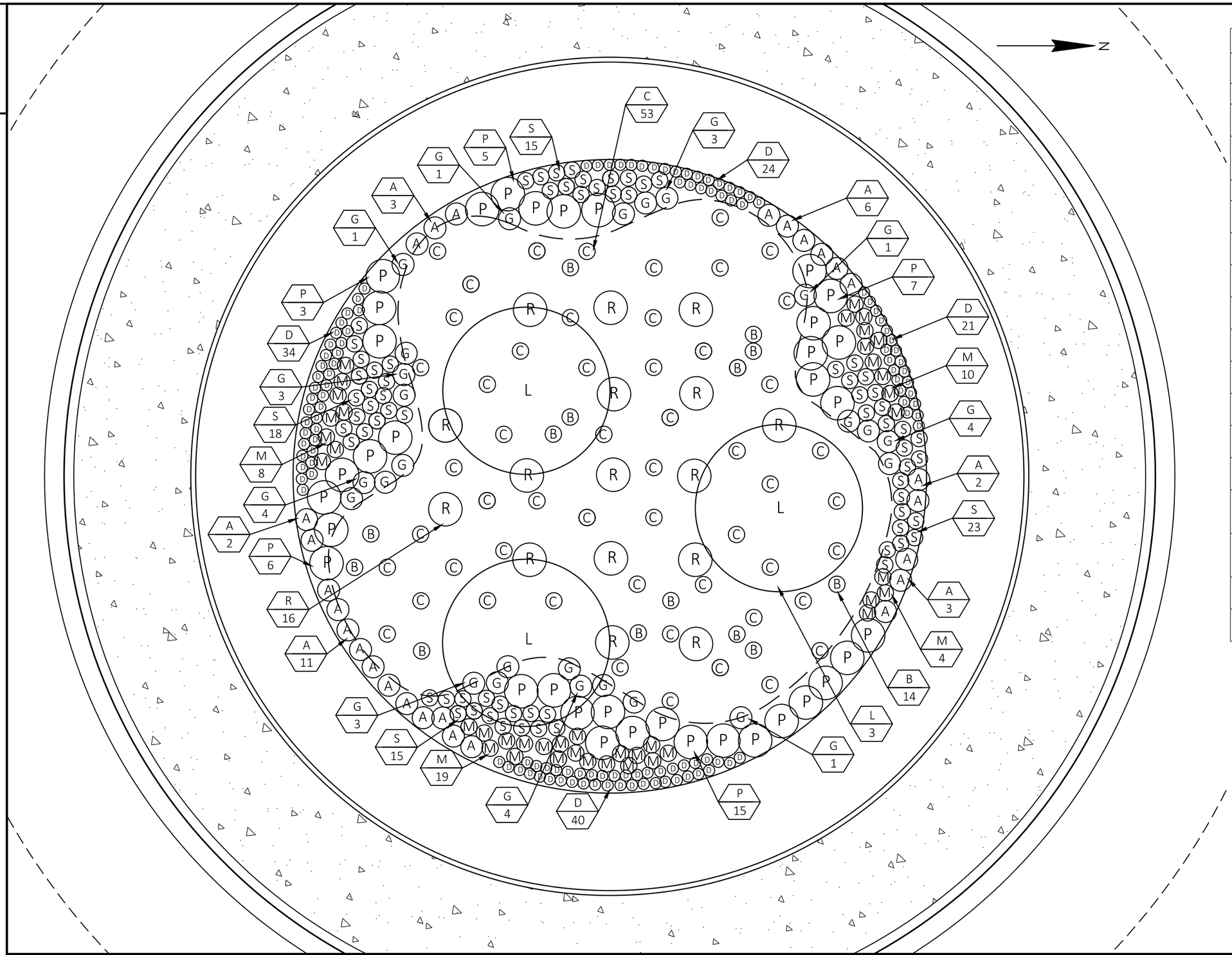
1. EXSITING SOIL IN PLANTING AREA TO BE REMOVED TO A DEPTH OF 24" AND REPLACED WITH PLANTING MIXTURE.
2. MULCH ENTIRE PLANTING BED WITH SHREDDED MULCH TO A MAXIMUM DEPTH OF 3 INCHES. DO NOT BURY PLANT VEGETATION WITH MULCH.



PLANT LIST

Symbol	Common Name	Quantity on sheet
SMALL TREES		
L	IVORY SILK LILAC (TRESS, SYRINGA RETICULATA)	3
SP	SPARTAN JUNIPER (TREES, JUNIPERUS CHINENSIS 'SPARTAN')	
SHRUBS, GRASSES, & PERENNIALS		
P	ABBOTSWOOD POTENTILLA (SHRUBS, POTENTILLA FRUTICOAS)	36
R	RUSSIAN SAGE, LONGIN (PERENNIAL, PEROVSKIA ATRIPLICIFOLIA)	13
A	PROFESSOR KIPPENBEG ASTER (PERENNIAL, ASTER NOVAE - ANGLIAE)	25
G	PURPLE GAS PLANT (PERENNIAL, DICATMNUS ALBUS)	24
B	BUTTERFLY FLOWER (PERENNIAL, ASCLEPIAS TUBEROSA)	11
C	'BRAVADO' CONEFLOWER (PERENNIAL, ECHINACEA PURPUREA)	43
M	'FIREBALL' MONARDA (PERENNIAL, MONARDA DIDYMA)	38
S	'AUTUMN FIRE' SEDUM (PERENNIAL, SEDUM X)	52
D	'STELLA D'ORO' DAYLILLY (PERENNIAL, HEMROCALIS)	130
DN	DIABOLO NINEBARK (SHRUBS, PHYSOCARPUS OPULIFOLIUS 'MONLO')	
KFG	KARL FOERSTER FEATHER REED GRASS (GRASSES, CALAMAGROSTIS X ACUTIFLORA)	
AJS	AUTUMN JOY SEDUM (PERENNIALS, SEDUM SPECTABILE)	
MY	MOONSHINE YARROW (PERENNIALS, ACHILLEA MOONSHINE)	

1. EXSITING SOIL IN PLANTING AREA TO BE REMOVED TO A DEPTH OF 24" AND REPLACED WITH PLANTING MIXTURE.
2. MULCH ENTIRE PLANTING BED WITH SHREDDED MULCH TO A MAXIMUM DEPTH OF 3 INCHES. DO NOT BURY PLANT VEGETATION WITH MULCH.



PLANT LIST		
Symbol	Common Name	Quantity on sheet
SMALL TREES		
L	IVORY SILK LILAC (TRESS, SYRINGA RETICULATA)	3
SP	SPARTAN JUNIPER (TREES, JUNIPERUS CHINENSIS 'SPARTAN')	
SHRUBS, GRASSES, & PERENNIALS		
P	ABBOTSWOOD POTENTILLA (SHRUBS, POTENTILLA FRUTICOAS)	36
R	RUSSIAN SAGE, LONGIN (PERENNIAL, PEROVSKIA ATRIPLICIFOLIA)	16
A	PROFESSOR KIPPENBEG ASTER (PERENNIAL, ASTER NOVAE - ANGLIAE)	27
G	PURPLE GAS PLANT (PERENNIAL, DICATMNUS ALBUS)	25
B	BUTTERFLY FLOWER (PERENNIAL, ASCLEPIAS TUBEROSA)	14
C	'BRAVADO' CONEFLOWER (PERENNIAL, ECHINACEA PURPUREA)	53
M	'FIREBALL' MONARDA (PERENNIAL, MONARDA DIDYMA)	41
S	'AUTUMN FIRE' SEDUM (PERENNIAL, SEDUM X)	71
D	'STELLA D'ORO' DAYLILLY (PERENNIAL, HEMROCALIS)	119
DN	DIABOLO NINEBARK (SHRUBS, PHYSOCARPUS OPULIFOLIUS 'MONLO')	
KFG	KARL FOERSTER FEATHER REED GRASS (GRASSES, CALAMAGROSTIS X ACUTIFLORA)	
AJS	AUTUMN JOY SEDUM (PERENNIALS, SEDUM SPECTABILE)	
MY	MOONSHINE YARROW (PERENNIALS, ACHILLEA MOONSHINE)	

1. EXISTING SOIL IN PLANTING AREA TO BE REMOVED TO A DEPTH OF 24" AND REPLACED WITH PLANTING MIXTURE.
2. MULCH ENTIRE PLANTING BED WITH SHREDDED MULCH TO A MAXIMUM DEPTH OF 3 INCHES. DO NOT BURY PLANT VEGETATION WITH MULCH.

SIGNING NOTES

WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

N

1 MILE 2 5 1 D10-3

2 MILE 2 5 1 D10-3

3 SPEED LIMIT 65 R2-1

4 JCT COUNTY U J1-1

5 JCT COUNTY U J1-1

6 Kunesh D1-1

7 Sanger B Powers Correctional Center D1-3

8 WEST NORTH 29 32 J4-2

9 NORTH COUNTY U J3-1

10 WRONG WAY R5-1A

11 ONE WAY R6-1L YIELD R1-2

12 ONE WAY R6-1L YIELD R1-2

13 DO NOT ENTER R5-1

14 SOUTH COUNTY U J3-1

15 DO NOT ENTER R5-1

16 ONE WAY R6-1L YIELD R1-2

17 DO NOT ENTER R5-1

18 R4-7

19 R3-2

20 Green Bay D1-1

21 W3-1

22 W1-6

23 29 32 J13-2

24 ONE WAY R6-1R STOP R1-1

25 ONE WAY R6-1R STOP R1-1

26 R4-7

27 R3-2

28 R4-7

29 ONE WAY R6-1R

30 NORTH COUNTY U J4-1

STH 29/32

STH 29 WB

STH 29 EB

CTH U

CABLE

2"CMP

18"CMP

CABC PE

WALL

42"X60"CMP

LEGEND

WOOD POST WITH SIGN

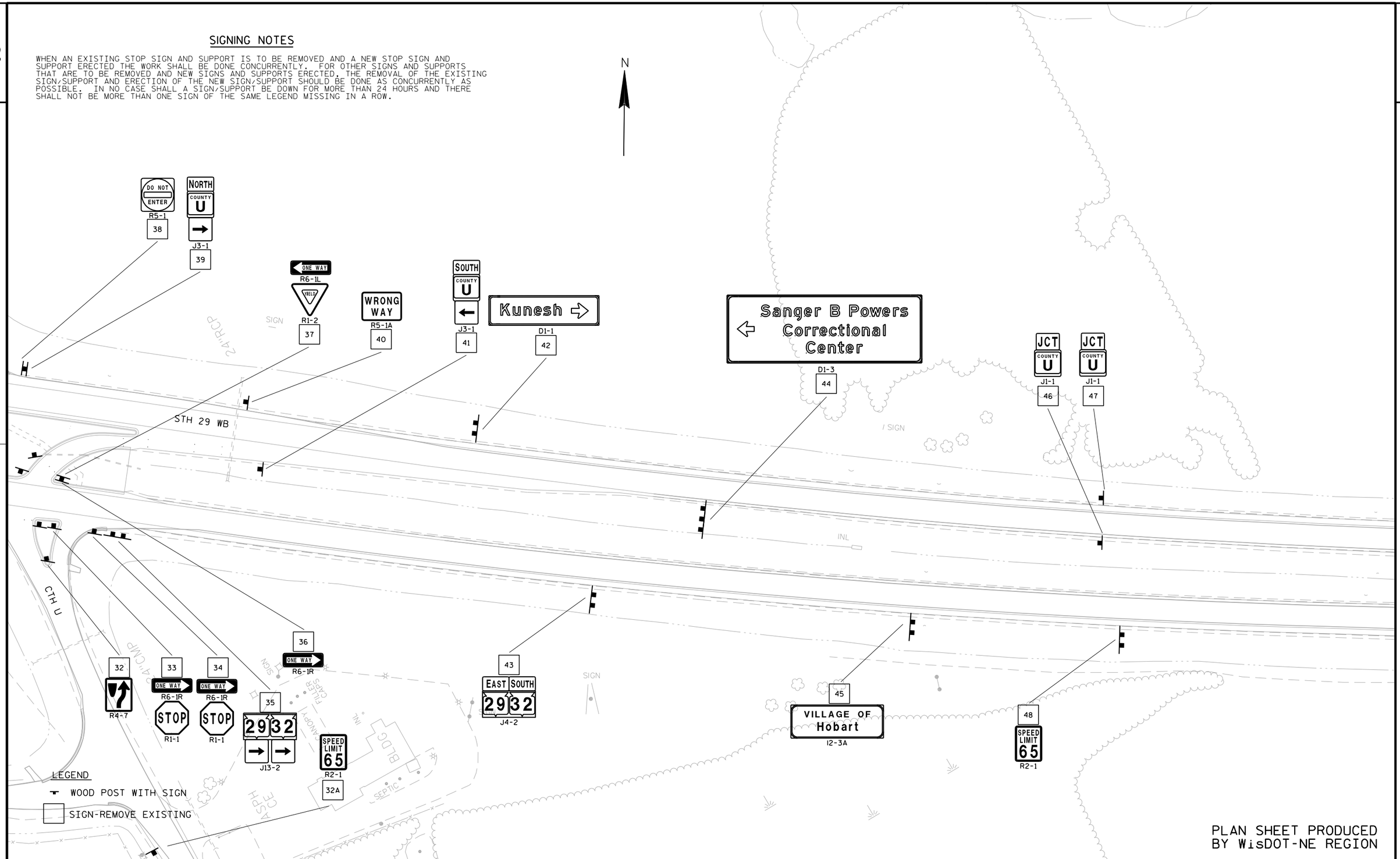
SIGN-REMOVE EXISTING

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO:9200-10-71	HWY: STH 29	COUNTY: BROWN	SIGN REMOVALS	SHEET 366 E

SIGNING NOTES

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PLAN SHEET PRODUCED BY WisDOT-NE REGION

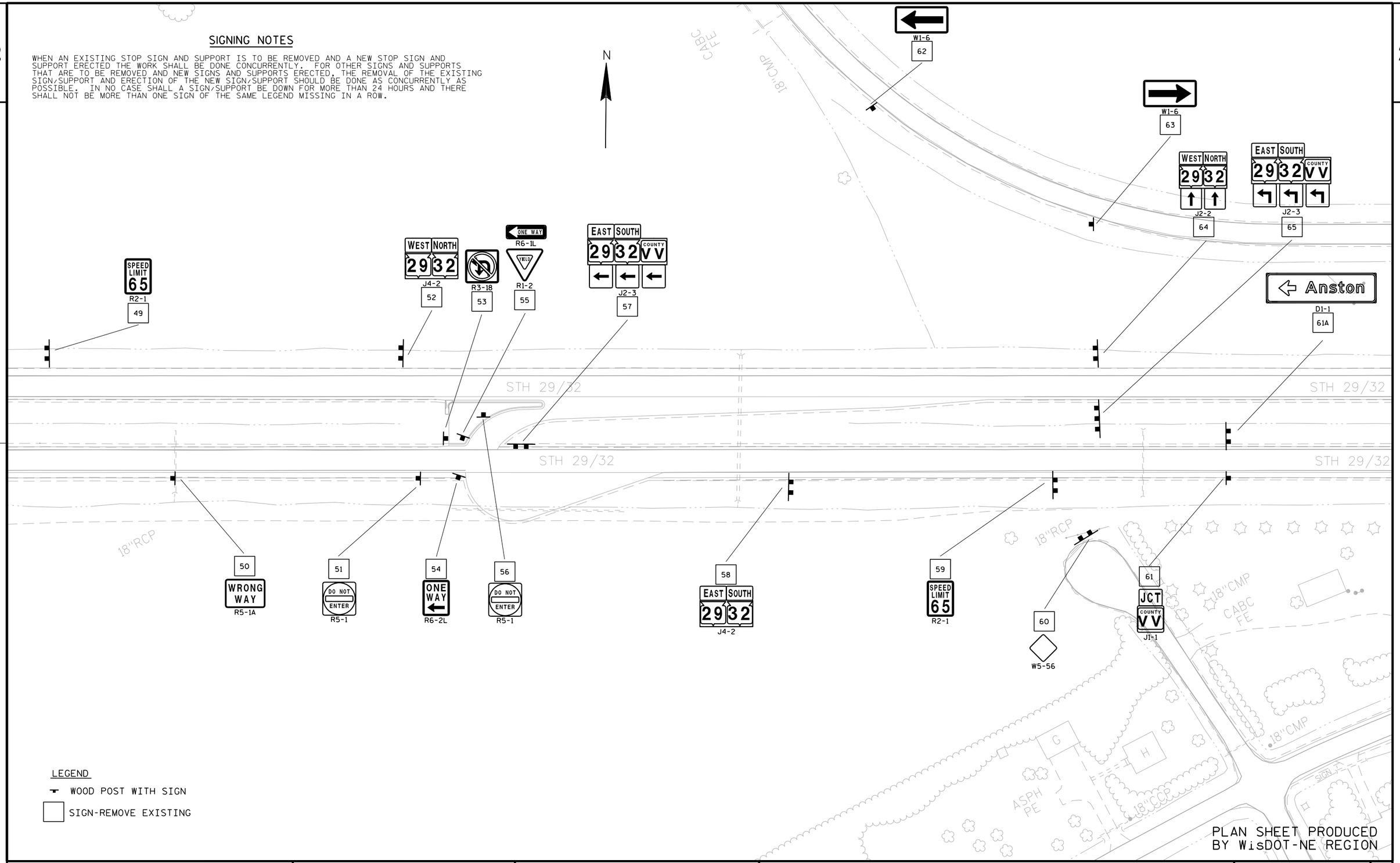
PROJECT NO:9200-10-71	HWY: STH 29	COUNTY: BROWN	SIGN REMOVALS	SHEET 367 E

FILE NAME : N:\spo\traffic\SIGNING\Projects\9200-06-71 STH 29\023202_ps.dgn PLOT DATE : 02-MAR-2020 12:21 PLOT BY : dotets PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

SIGNING NOTES

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LEGEND

WOOD POST WITH SIGN

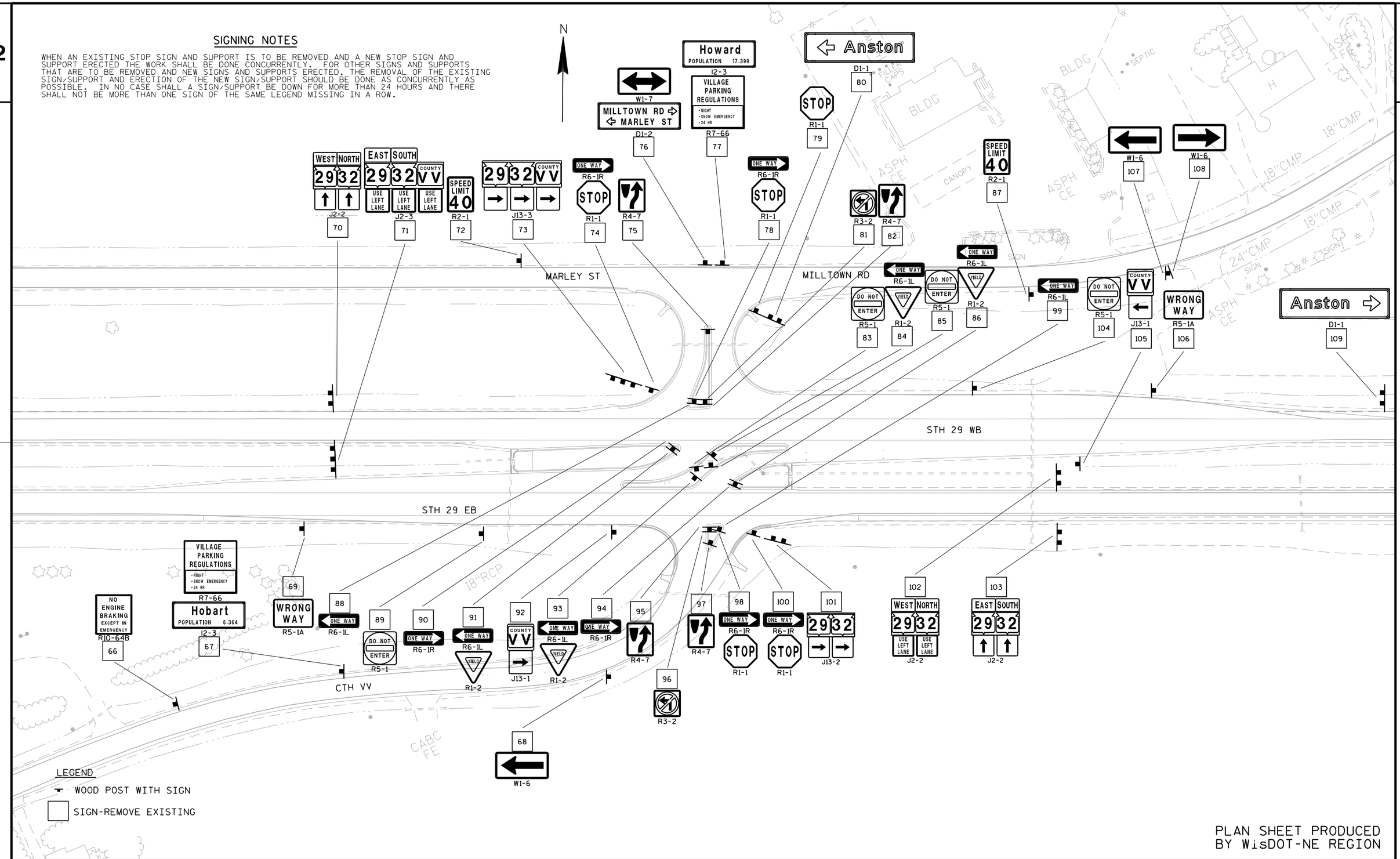
SIGN-REMOVE EXISTING

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO:9200-10-71	HWY: STH 29	COUNTY: BROWN	SIGN REMOVALS	SHEET 368	E

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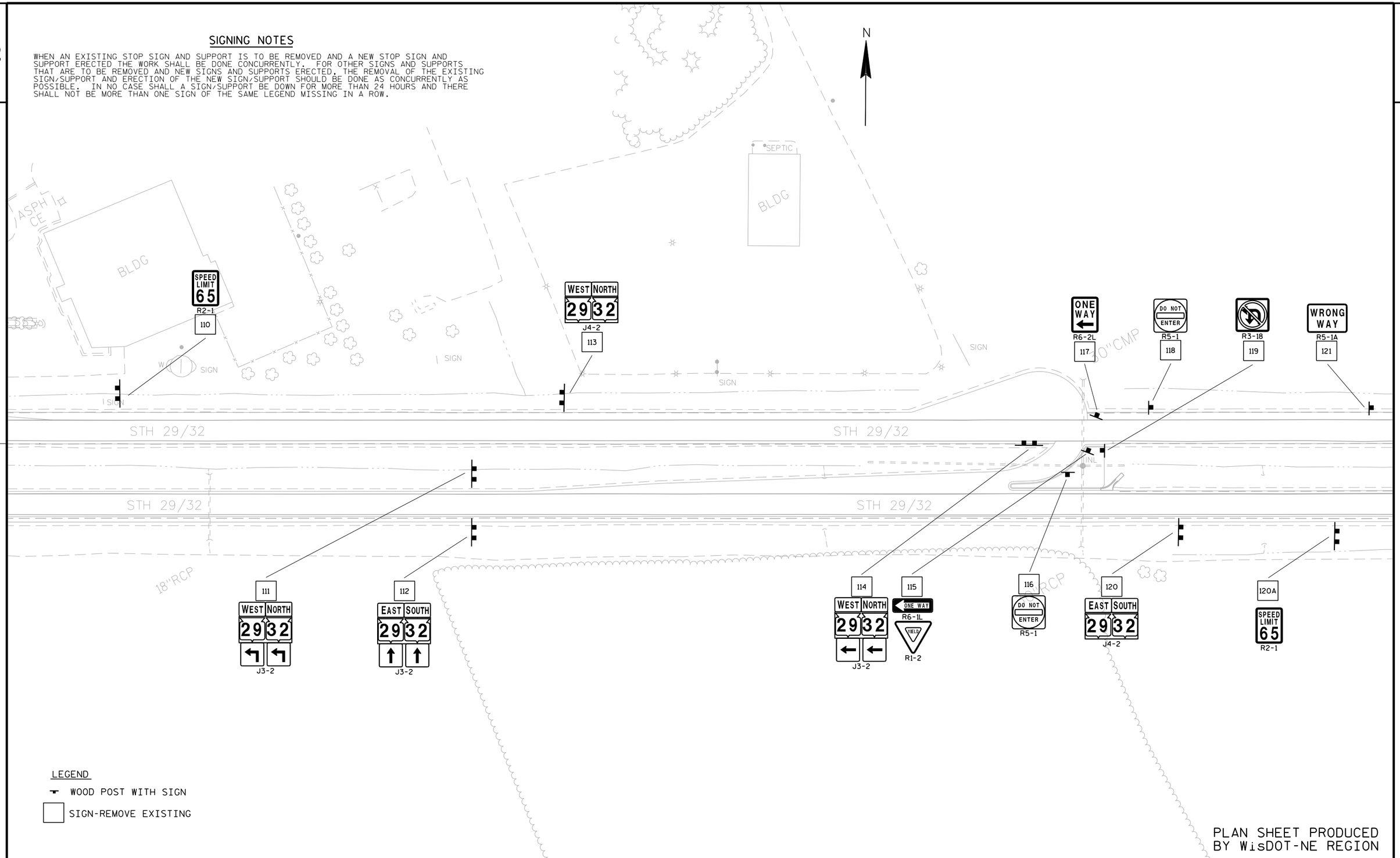


PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO:9200-10-71	HWY: STH 29	COUNTY: BROWN	SIGN REMOVALS	SHEET 369 E

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LEGEND

WOOD POST WITH SIGN

SIGN-REMOVE EXISTING

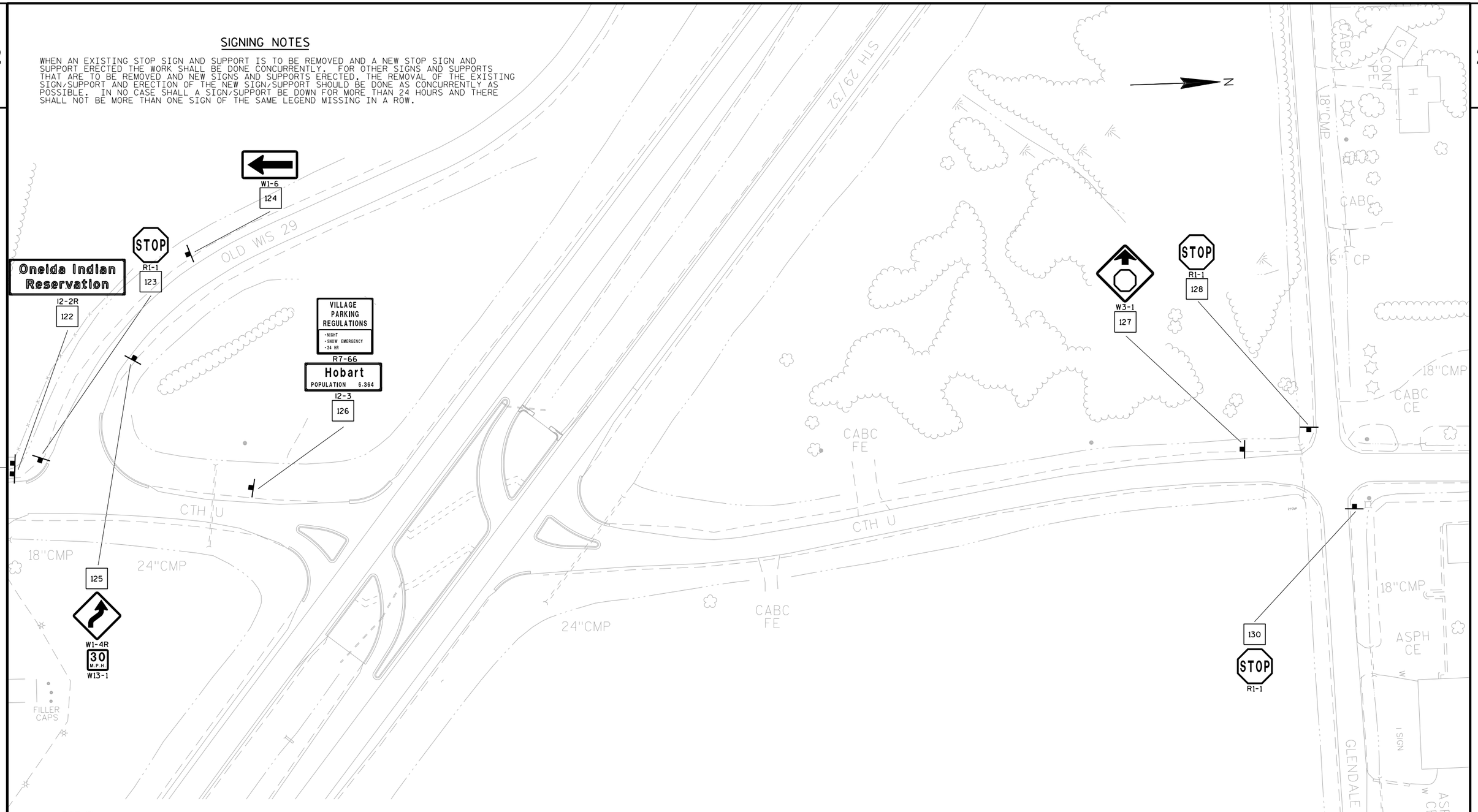
PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO:9200-10-71	HWY: STH 29	COUNTY: BROWN	SIGN REMOVALS	SHEET 370	E

2

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LEGEND

WOOD POST WITH SIGN

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PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO:9200-10-71	HWY: STH 29	COUNTY: BROWN	SIGN REMOVALS	SHEET 371	E

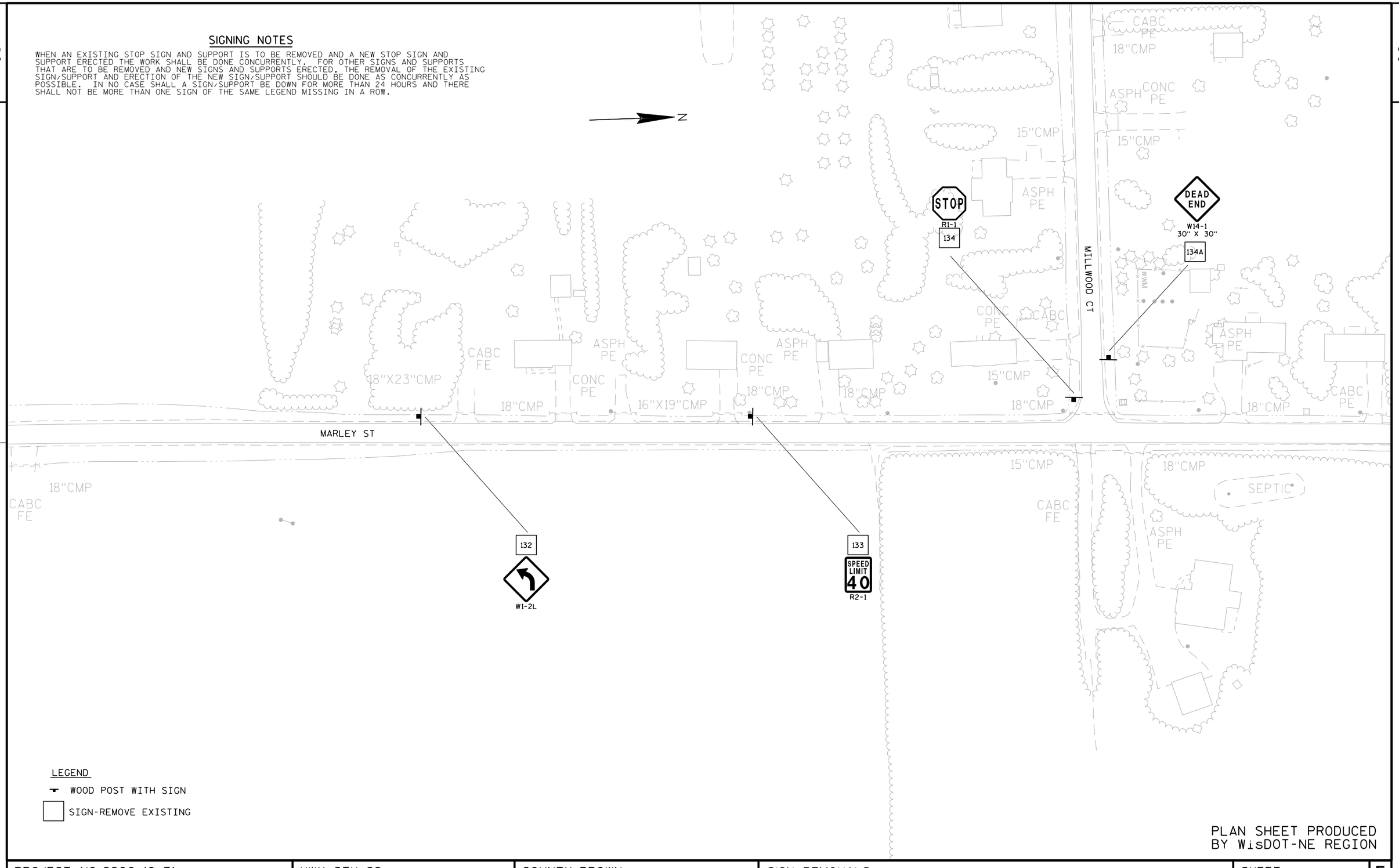
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WISDOT/CADDS SHEET 42

2

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LEGEND

WOOD POST WITH SIGN

SIGN-REMOVE EXISTING

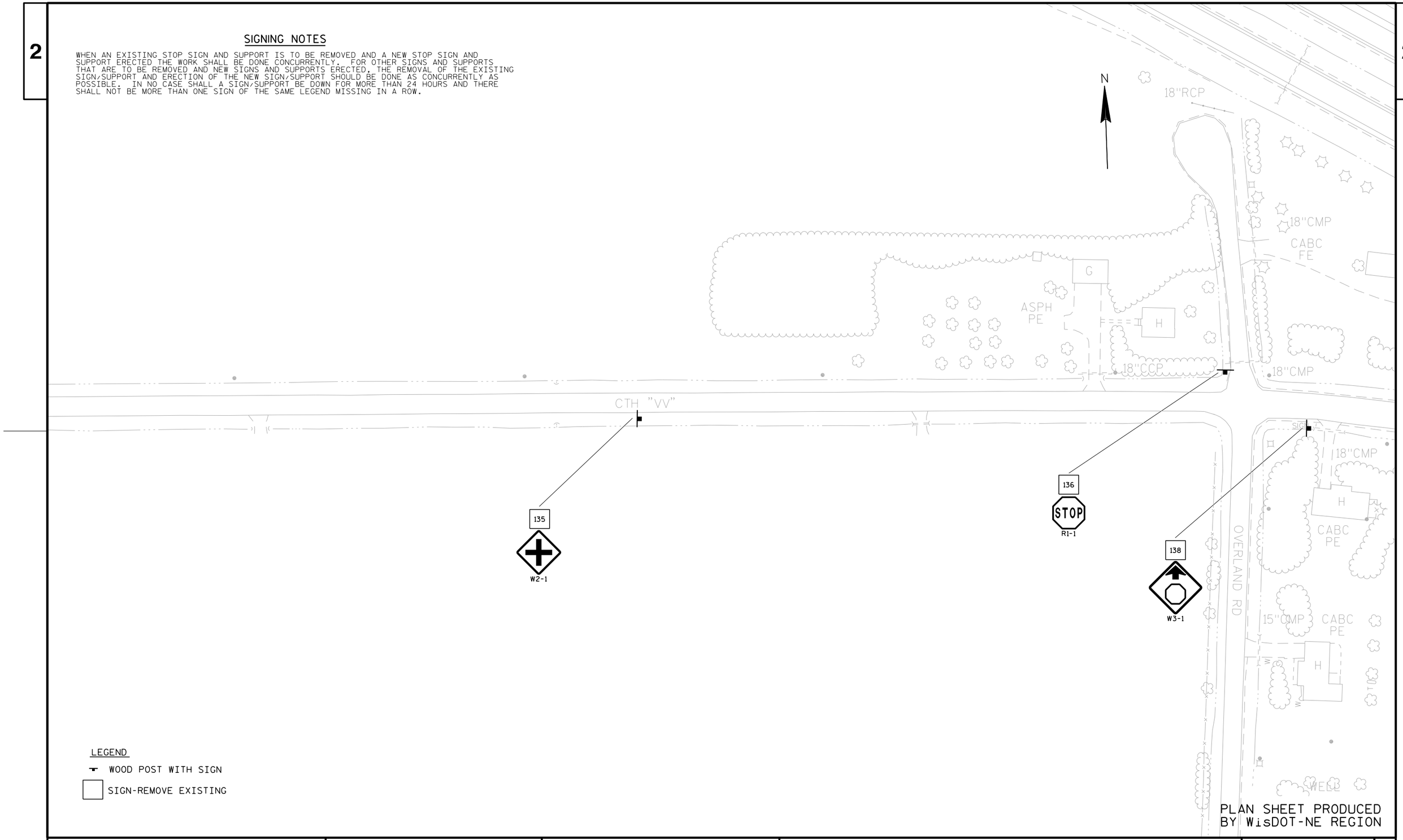
PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO:9200-10-71	HWY: STH 29	COUNTY: BROWN	SIGN REMOVALS	SHEET 372	E

2

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LEGEND

WOOD POST WITH SIGN

SIGN-REMOVE EXISTING

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO:9200-10-71	HWY: STH 29	COUNTY:BROWN	SIGN REMOVALS	SHEET 373	E

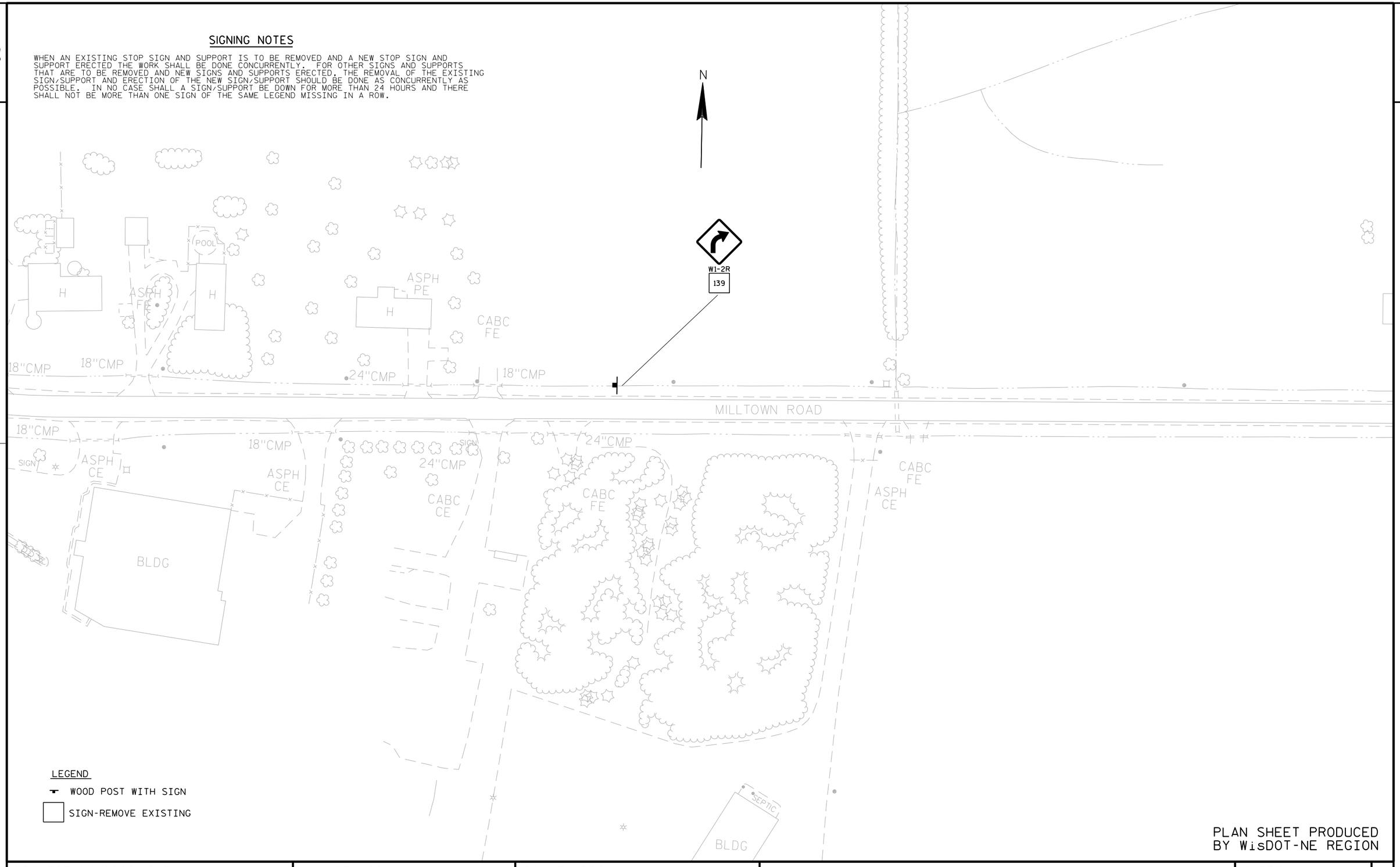
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WISDOT/CADDS SHEET 42

2

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LEGEND

WOOD POST WITH SIGN

SIGN-REMOVE EXISTING

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO:9200-10-71	HWY: STH 29	COUNTY: BROWN	SIGN REMOVALS	SHEET 374	E

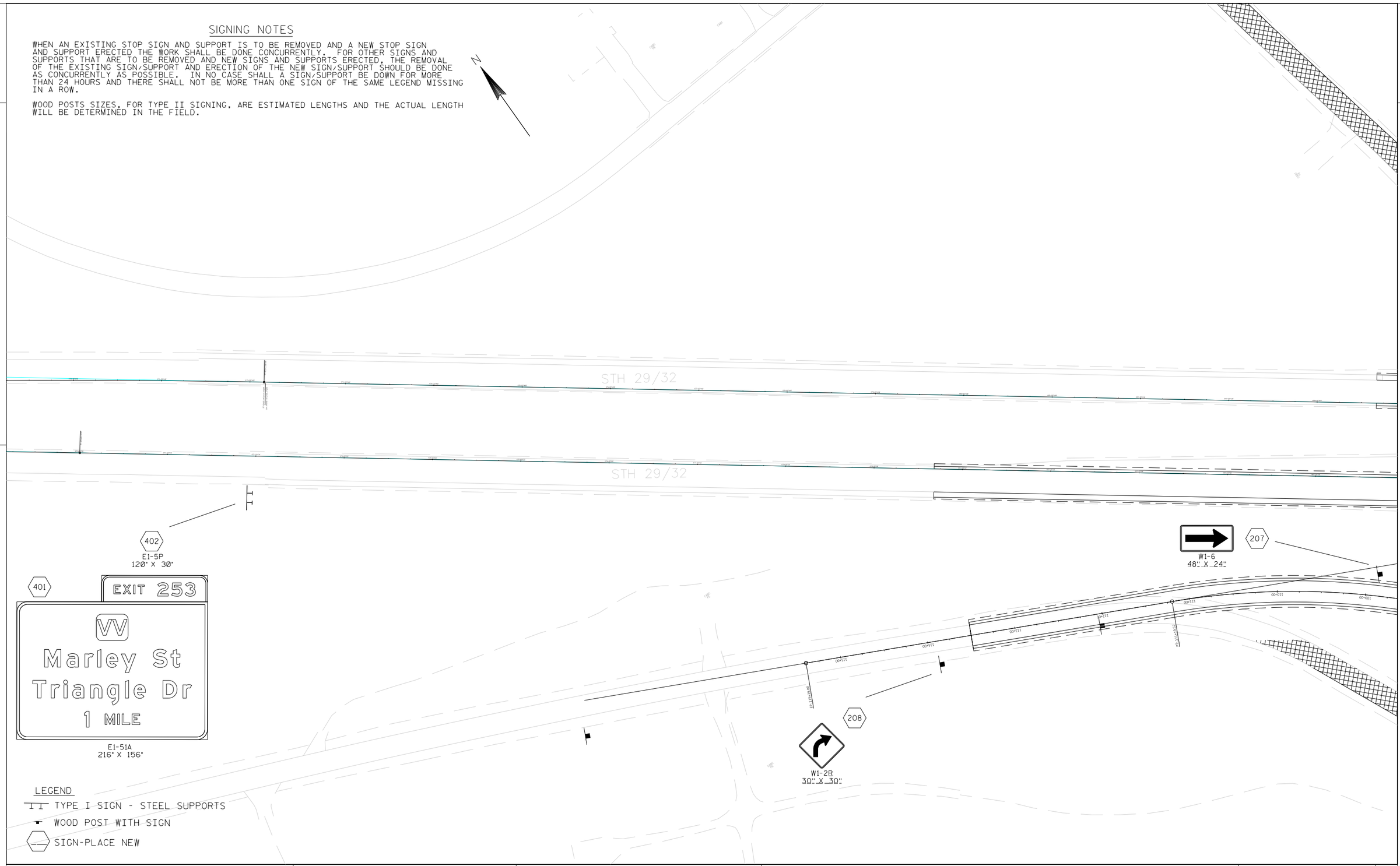
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WISDOT/CADDS SHEET 42

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WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.



LEGEND

- TYPE I SIGN - STEEL SUPPORTS
- WOOD POST WITH SIGN
- SIGN-PLACE NEW

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PERMANENT SIGNING	SHEET E

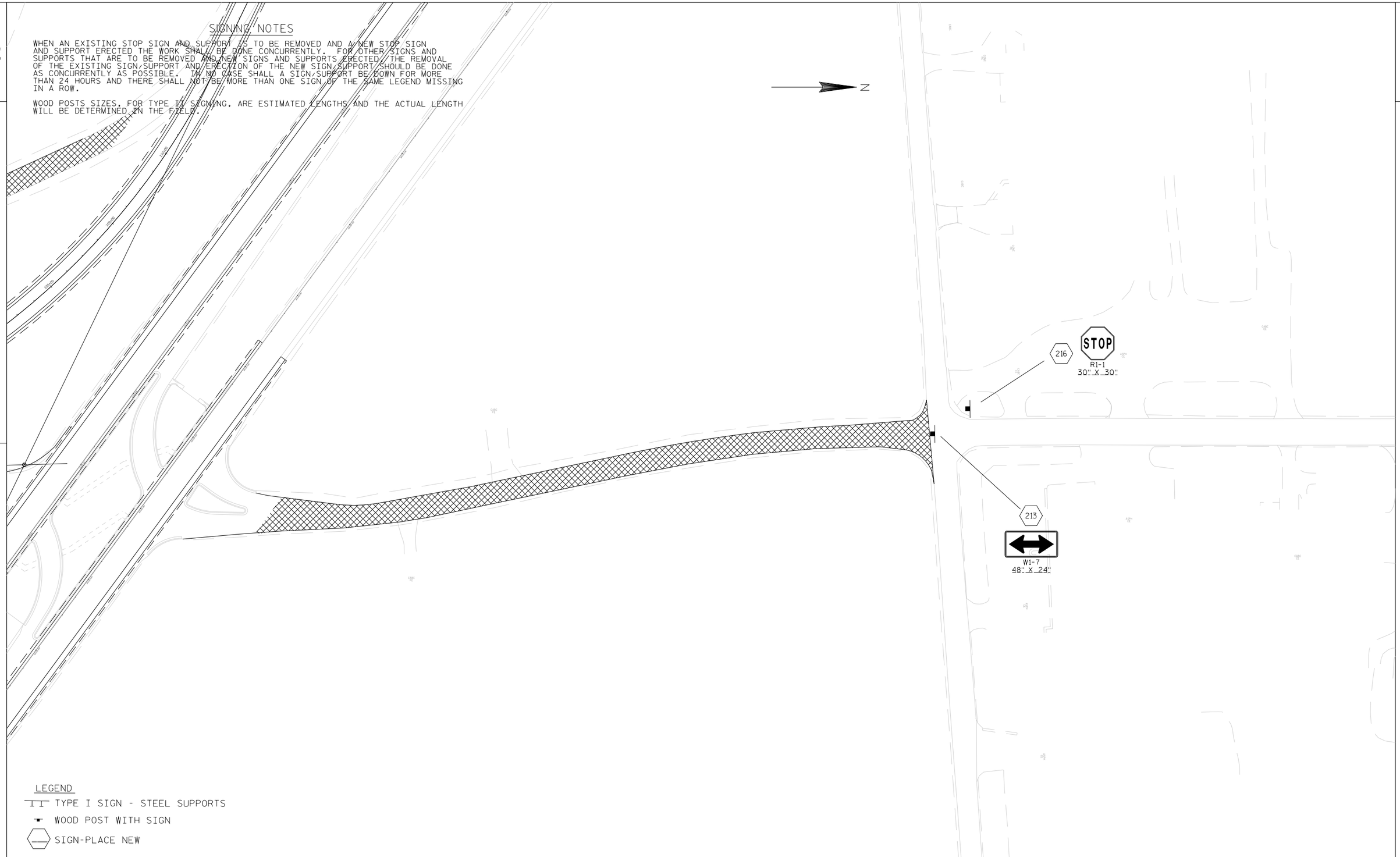
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WISDOT/CADDS SHEET 42

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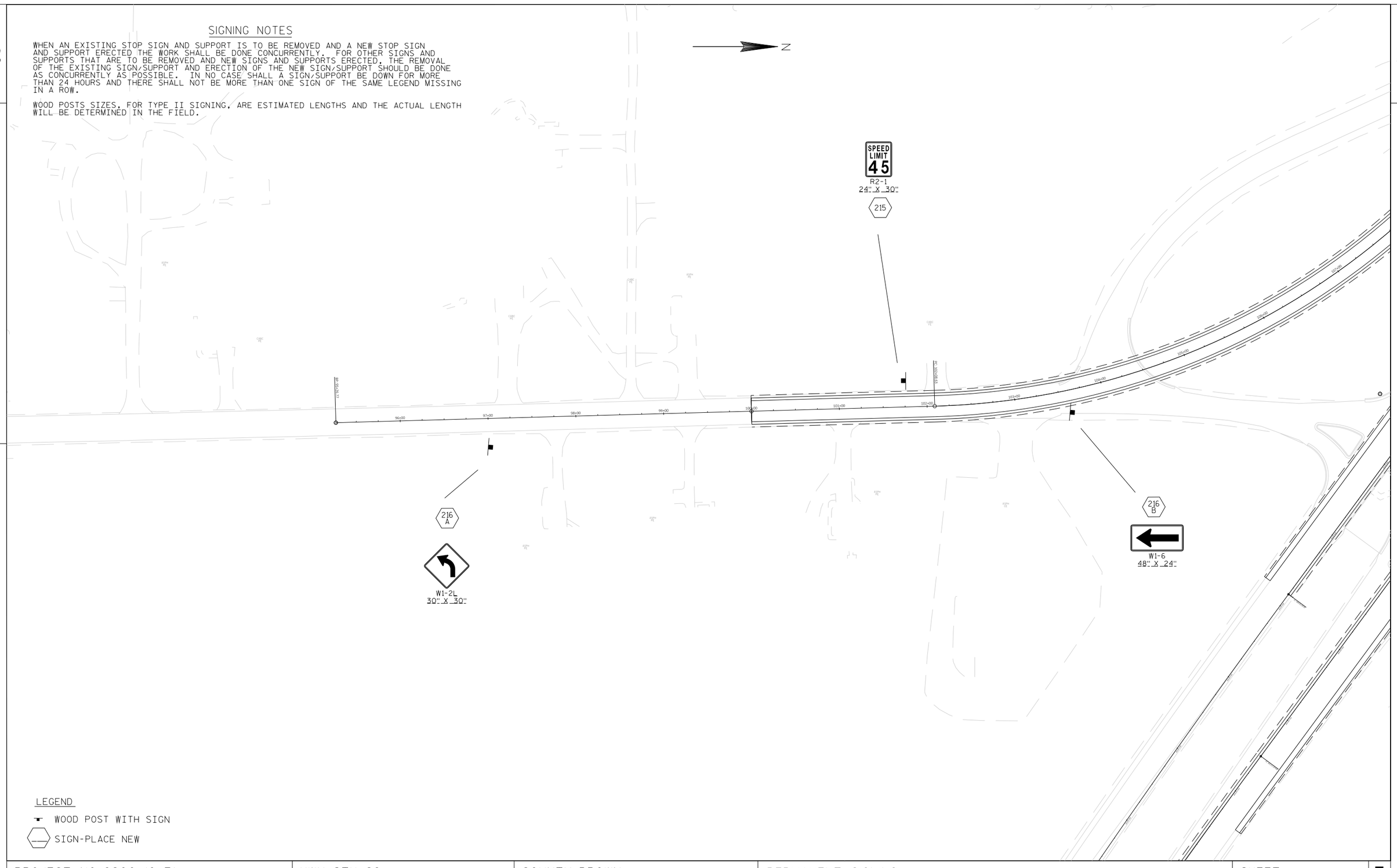
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LEGEND

WOOD POST WITH SIGN

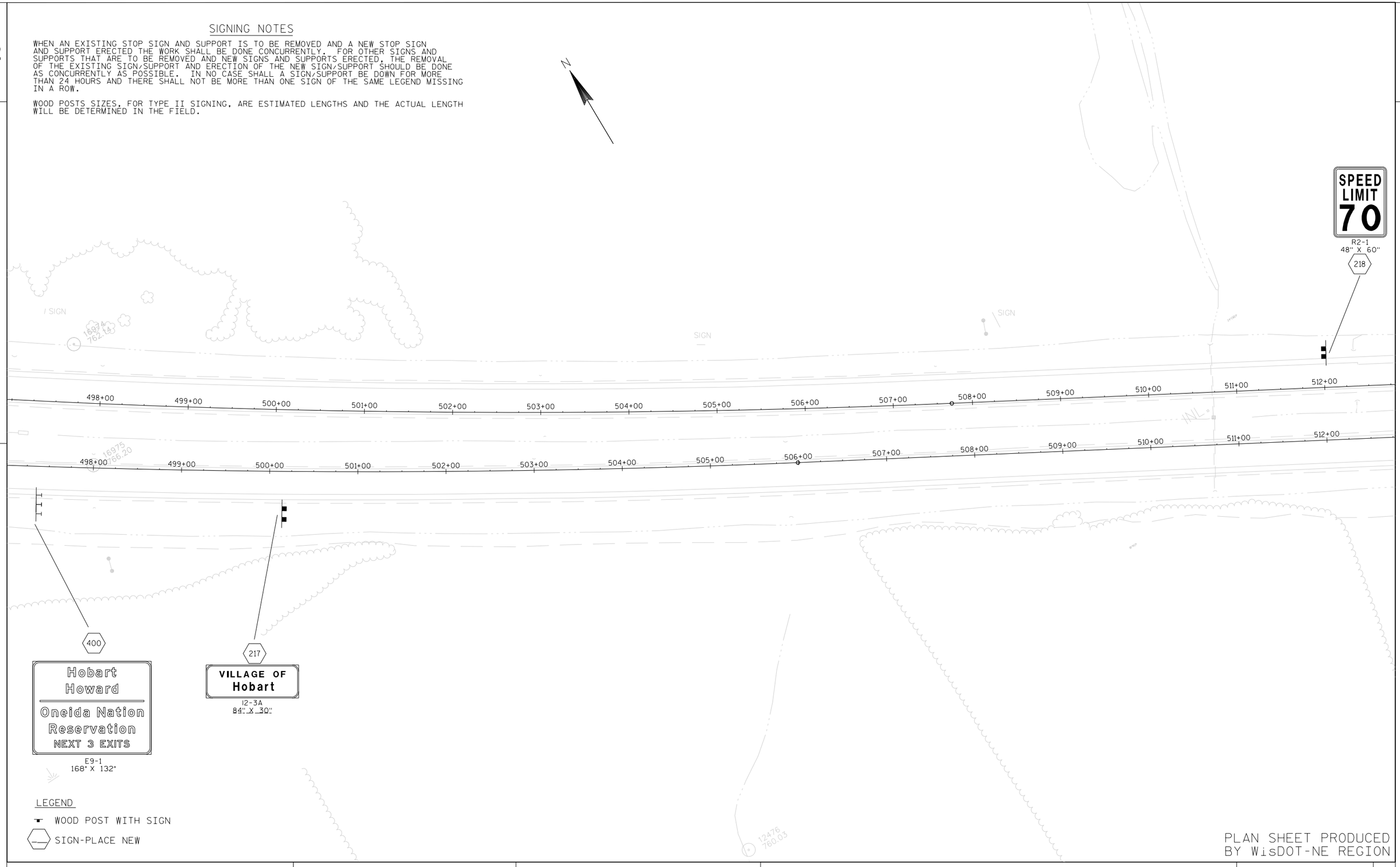
SIGN-PLACE NEW

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PERMANENT SIGNING	SHEET 377 E

SIGNING NOTES

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LEGEND

- WOOD POST WITH SIGN
- SIGN-PLACE NEW

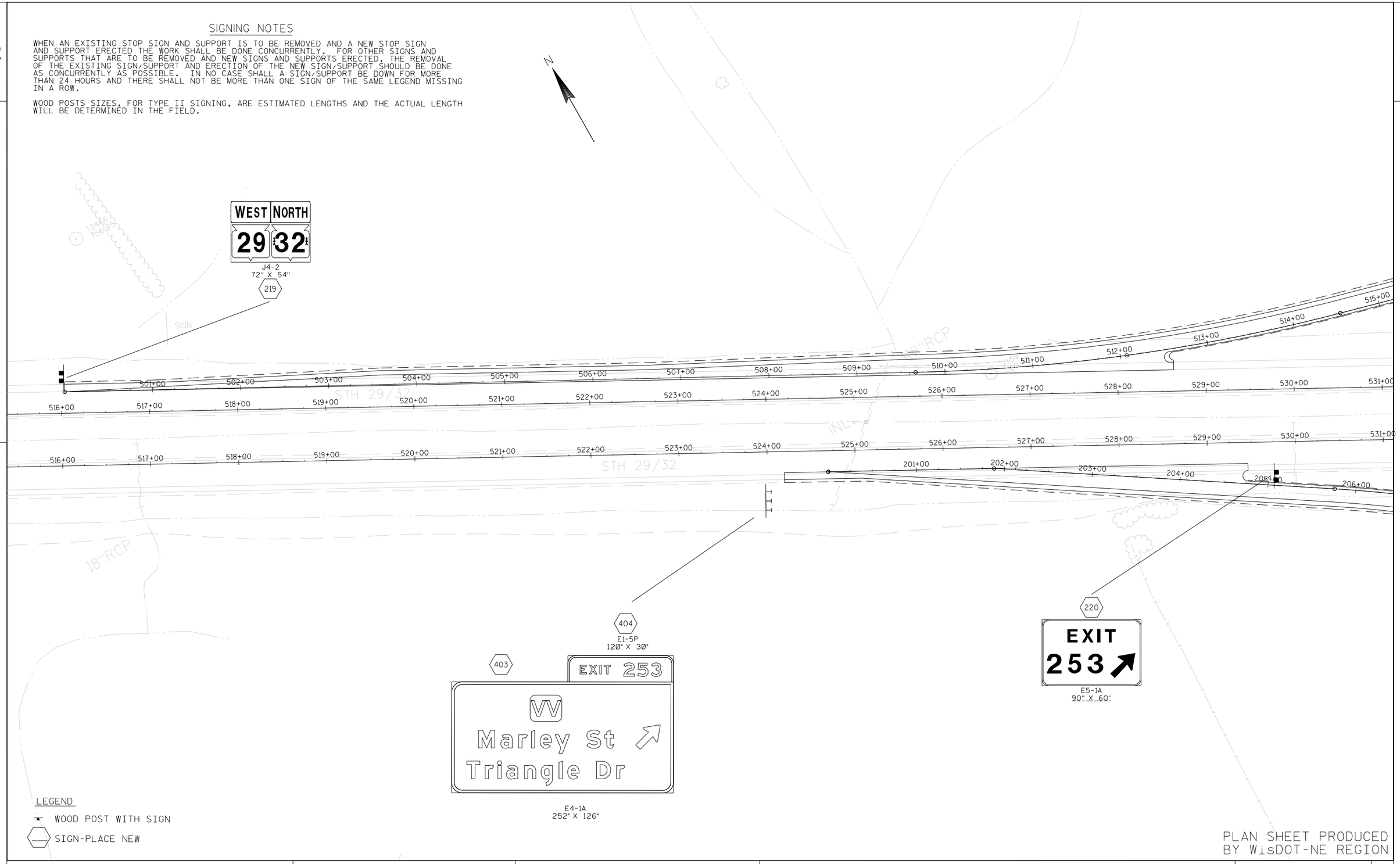
PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PERMANENT SIGNING	SHEET 378 E

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LEGEND

- WOOD POST WITH SIGN
- SIGN-PLACE NEW

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO:9200-10-71	HWY:STH 29	COUNTY:BROWN	PERMANENT SIGNING	SHEET 379 E

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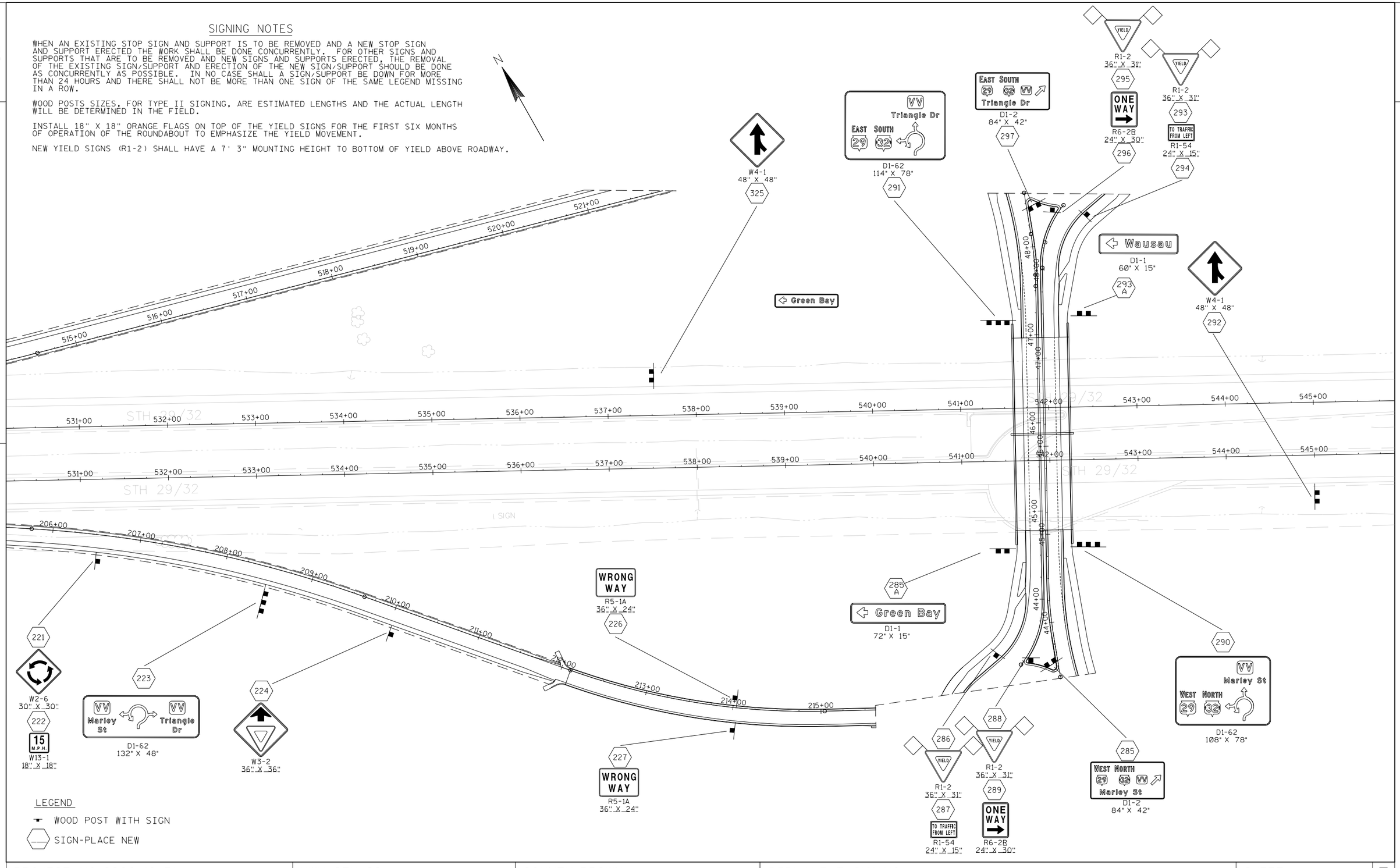
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INSTALL 18" X 18" ORANGE FLAGS ON TOP OF THE YIELD SIGNS FOR THE FIRST SIX MONTHS OF OPERATION OF THE ROUNDABOUT TO EMPHASIZE THE YIELD MOVEMENT.

NEW YIELD SIGNS (R1-2) SHALL HAVE A 7' 3" MOUNTING HEIGHT TO BOTTOM OF YIELD ABOVE ROADWAY.



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PERMANENT SIGNING	SHEET 380 E

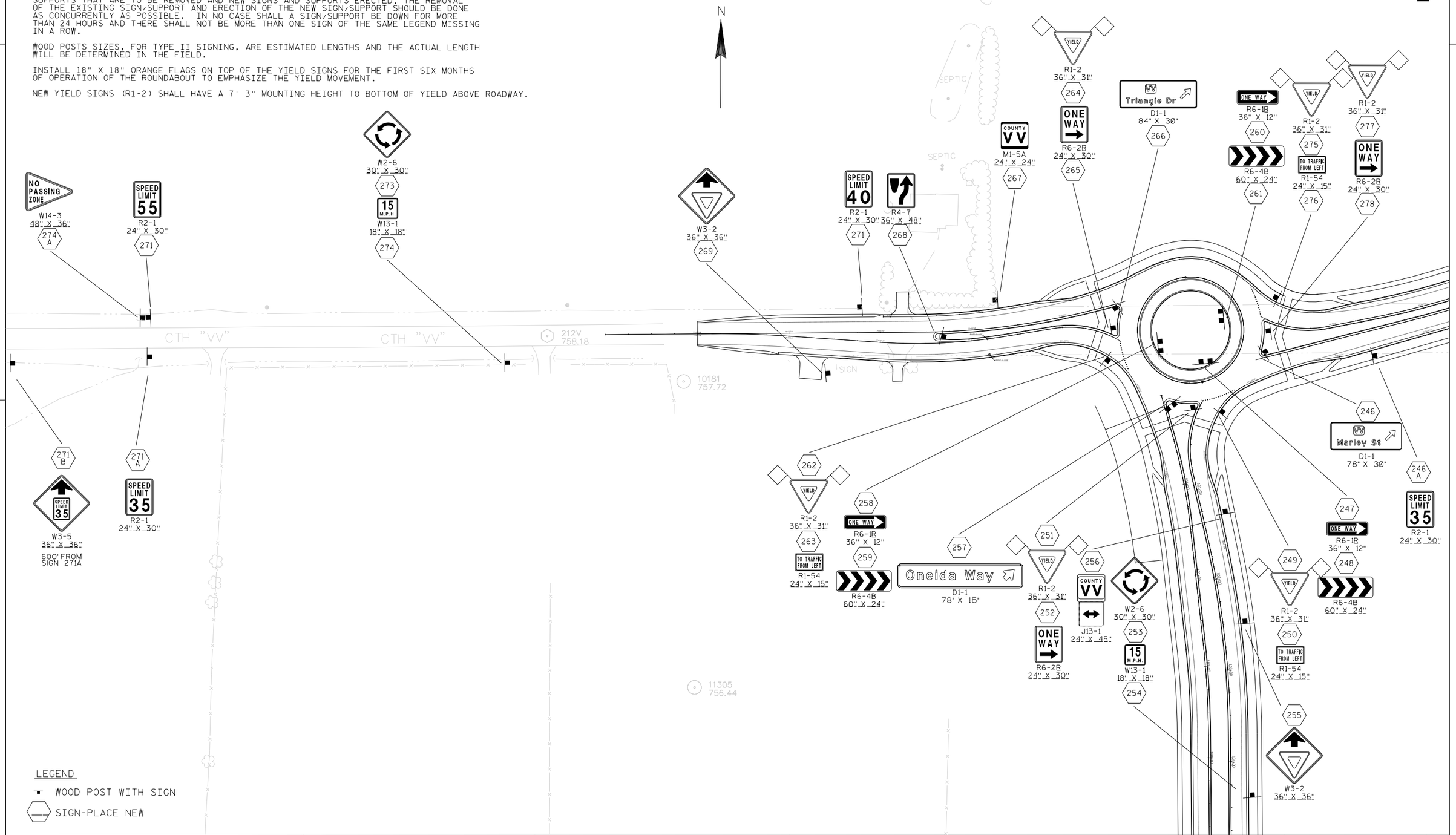
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LEGEND

WOOD POST WITH SIGN

SIGN-PLACE NEW

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PERMANENT SIGNING	SHEET 381 E

2

SIGNING NOTES

WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

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N

R1-2 36" X 31" — 228
R1-2 36" X 31" — 230
R5-1 36" X 36" — 232
R3-1 24" X 24" — 233
R6-1R 36" X 12" — 283
R6-4B 60" X 24" — 284
R6-1R 36" X 12" — 234
R1-54 24" X 15" — 229
R6-2R 24" X 30" — 231
R6-4B 60" X 24" — 235
D1-1 66" X 30" — 282
D1-1 84" X 30" — 236
R1-2 36" X 31" — 237
R1-2 36" X 31" — 239
R1-2 36" X 31" — 238
R6-2R 24" X 30"
R1-54 24" X 15" — 240
W3-2 36" X 36" — 244
R6-1R 36" X 12" — 279
R6-4B 60" X 24" — 280
R5-57 36" X 36" — 281
J1-2 48" X 39" — 245
M1-5A 24" X 24" — 241
D1-2 72" X 30" — 242
W3-2 36" X 36" — 242A
D1-62 108" X 78" — 243
W5-56 18" X 18" — 282A, 282B, 282C

CTH "VV"

LEGEND

WOOD POST WITH SIGN

SIGN-PLACE NEW

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PERMANENT SIGNING	SHEET 382 E

2

SIGNING NOTES

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NEW YIELD SIGNS (R1-2) SHALL HAVE A 7' 3" MOUNTING HEIGHT TO BOTTOM OF YIELD ABOVE ROADWAY.

N

ONE WAY R6-1B 36" X 12" 298
R6-4B 60" X 24" 299
PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBITED R5-57 36" X 36" 324
WEST NORTH 29 32 D1-1 66" X 30" 323
ONE WAY R6-1R 36" X 12" 321
R6-4B 60" X 24" 322
YIELD R1-2 36" X 31" 319
TO TRAFFIC FROM LEFT R1-54 24" X 15" 320
YIELD R1-2 36" X 31" 317
ONE WAY R6-2R 24" X 30" 318
EAST SOUTH 29 32 WEST NORTH 29 32 D1-62 108" X 78" 327
R3-1 24" X 24" 300
DO NOT ENTER R5-1 36" X 36" 301
W3-2 36" X 36" 326
Green Bay Wausau D1-2 72" X 30" 329 A
JCT JCT 29 32 COUNTY VV J1-3 72" X 39" 329
YIELD R1-2 36" X 31" 331
ONE WAY R6-2R 24" X 30" 332
VV Triangle Dr D1-1 84" X 30" 330
ONE WAY R6-1R 36" X 12" 348
R6-4B 60" X 24" 349
ONE WAY R6-1R 36" X 12" 346
R6-4B 60" X 24" 347
ONE WAY R6-1R 36" X 12" 350
R6-4B 60" X 24" 351
YIELD R1-2 36" X 31" 355
TO TRAFFIC FROM LEFT R1-54 24" X 15" 356
YIELD R1-2 36" X 31" 353
ONE WAY R6-2R 24" X 30" 354
W3-2 36" X 36" 357 A
YIELD R1-2 36" X 31" 304
YIELD R1-2 36" X 31" 306
ONE WAY R6-1R 36" X 12" 302
VV Marley St D1-1 78" X 30" 316
SPEED LIMIT 35 R2-1 24" X 30" 316 A
ONE WAY R6-2R 24" X 30" 305
TO TRAFFIC FROM LEFT R1-54 24" X 15" 307
R6-4B 60" X 24" 303
WRONG WAY R5-1A 36" X 24" 308
WRONG WAY R5-1A 36" X 24" 309
W3-2 36" X 36" 328
YIELD R1-2 36" X 31" 333
TO TRAFFIC FROM LEFT R1-54 24" X 15" 334
Evergreen Ave D1-1 96" X 15" 335
YIELD R1-2 36" X 31" 336
ONE WAY R6-2R 24" X 30" 337
SPEED LIMIT 40 R2-1 24" X 30" 338
YIELD R1-2 36" X 31" 344
TO TRAFFIC FROM LEFT R1-54 24" X 15" 345
VV Marley St D1-1 78" X 30" 352
COUNTY VV M1-5A 24" X 24" 357 C
SPEED LIMIT 35 R2-1 24" X 30" 357
R4-7 24" X 30" 357 B

LEGEND

WOOD POST WITH SIGN

SIGN-PLACE NEW

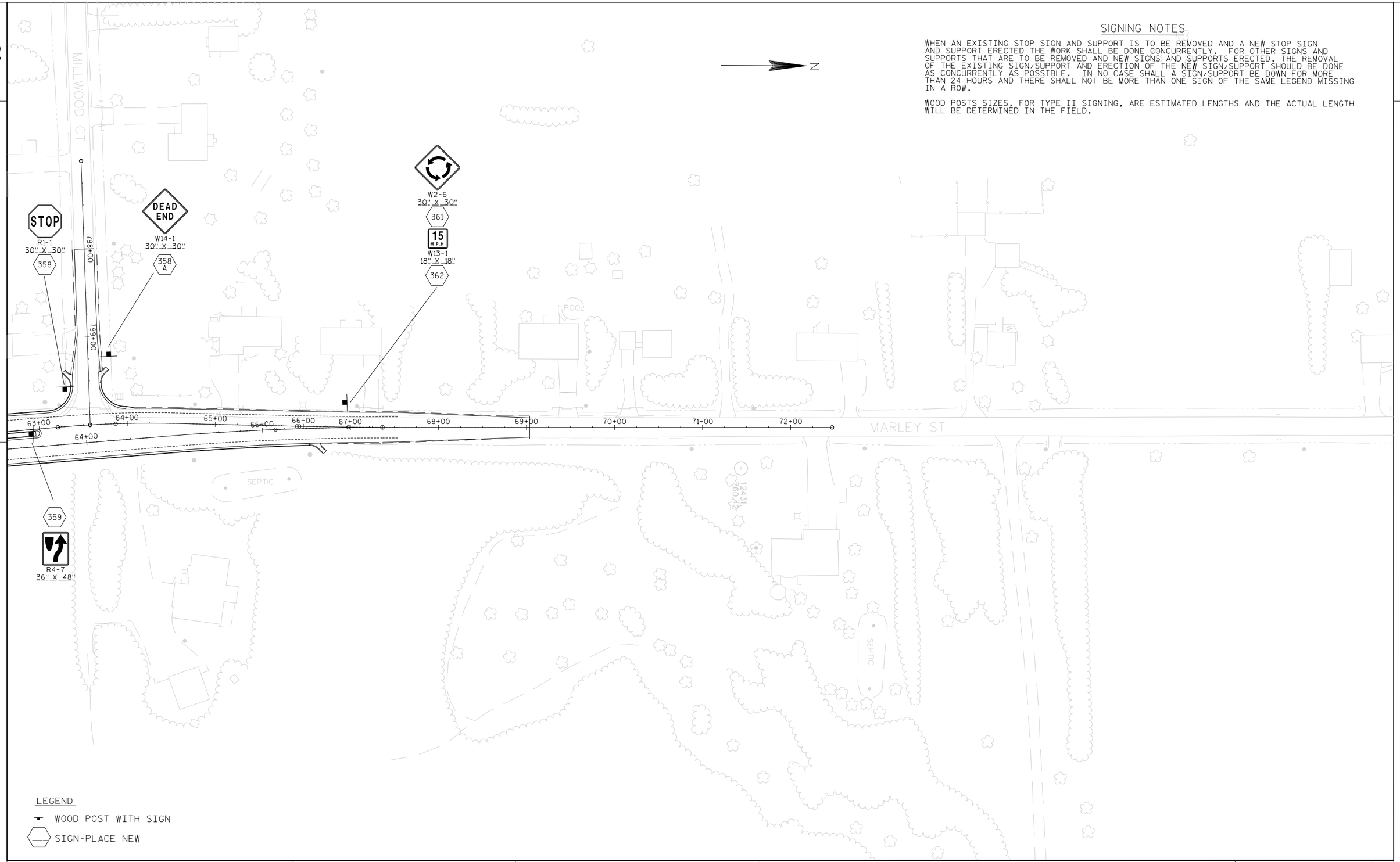
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PERMANENT SIGNING	SHEET 383 E

2

SIGNING NOTES

WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.



LEGEND

WOOD POST WITH SIGN

SIGN-PLACE NEW

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PERMANENT SIGNING	SHEET 384 E

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W3-2
36" X 36"
311

D1-62
132" X 48"
312

W2-6
30" X 30"
314

W13-1
18" X 18"
15 M.P.H.
315

E5-1A
90" X 60"
EXIT 253
313

406
E1-5P
120" X 30"

405
EXIT 253
Marley St
Triangle Dr

E4-1A
252" X 126"

391
392
393
W5-56
18" X 18"

391
A
W1-7
48" X 24"

LEGEND
WOOD POST WITH SIGN
SIGN-PLACE NEW

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PERMANENT SIGNING	SHEET 385 E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

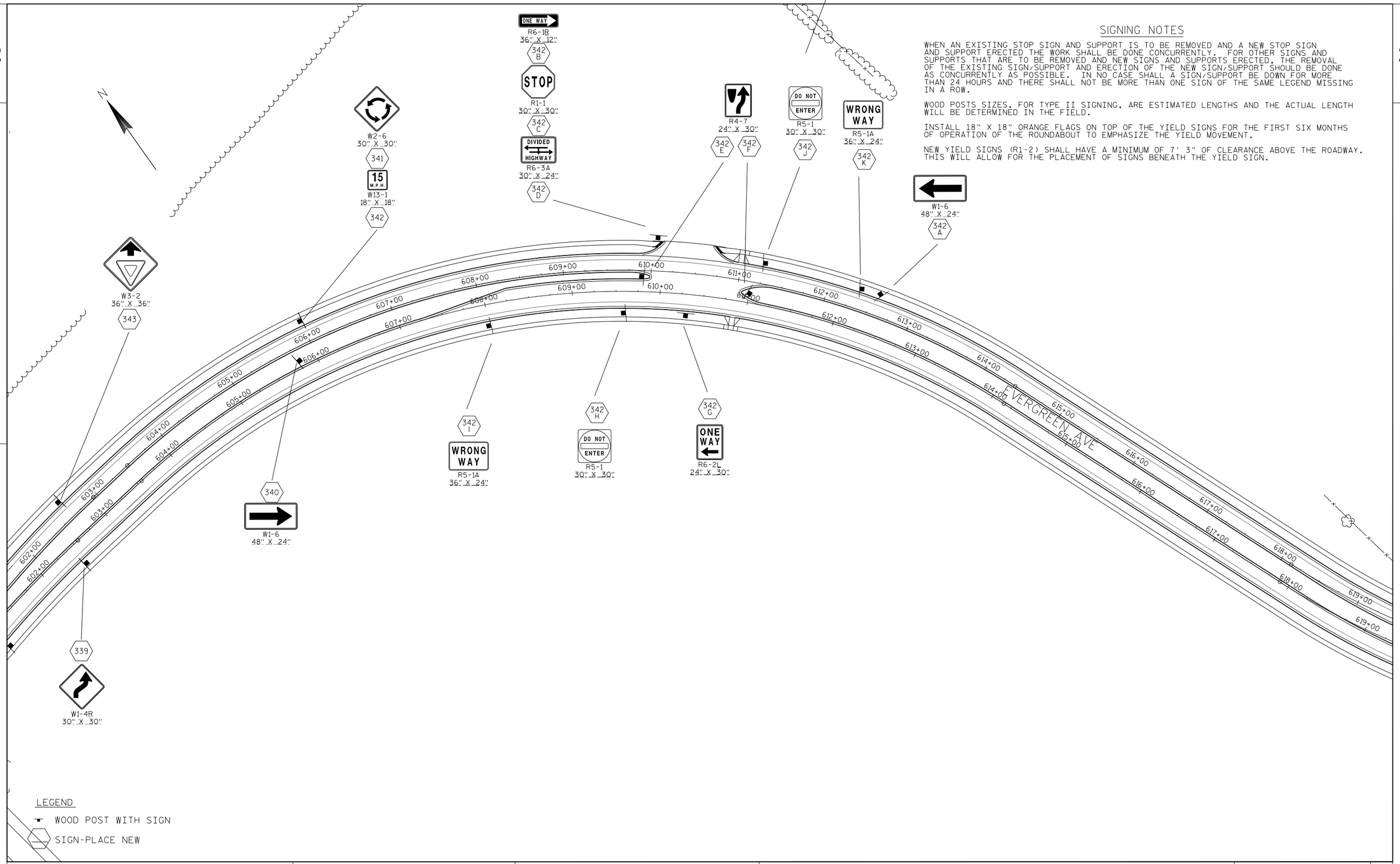
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LEGEND

WOOD POST WITH SIGN

SIGN-PLACE NEW

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PERMANENT SIGNING	SHEET 386 E

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363 A — W1-6 48" X 24"

363 C — WRONG WAY R5-1A 36" X 24"

363 E — WRONG WAY R5-1A 36" X 24"

363 D — DO NOT ENTER R5-1 30" X 30"

366 — ONE WAY R6-2L 24" X 30"

364 A — ONE WAY R6-1R 36" X 12"

364 B — STOP R1-1 30" X 30"

364 — W1-4R 30" X 30"

364 C — DIVIDED HIGHWAY R6-3A 30" X 24"

365 A — DO NOT ENTER R5-1 30" X 30"

365 — SPEED LIMIT 40 R2-1 24" X 30"

365 B — WRONG WAY R5-1A 36" X 24"

363 B — DO NOT ENTER R5-1 30" X 30"

367 — R4-7 24" X 30"

368 — ONE WAY R6-1R 36" X 12"

369 — STOP R1-1 30" X 30"

370 — DIVIDED HIGHWAY R6-3A 30" X 24"

363 F — WRONG WAY R5-1A 36" X 24"

365 D — DO NOT ENTER R5-1 30" X 30"

365 C — ONE WAY R6-2L 24" X 30"

365 E — R4-7 36" X 48"

377 — W6-2 36" X 36"

379 — DO NOT ENTER R5-1 30" X 30"

374 — W5-56 18" X 18"

372 — W5-56 18" X 18"

373 — W5-56 18" X 18"

LEGEND

WOOD POST WITH SIGN

SIGN PLACE NEW

PLAN SHEET PRODUCED BY WisDOT-NE REGION

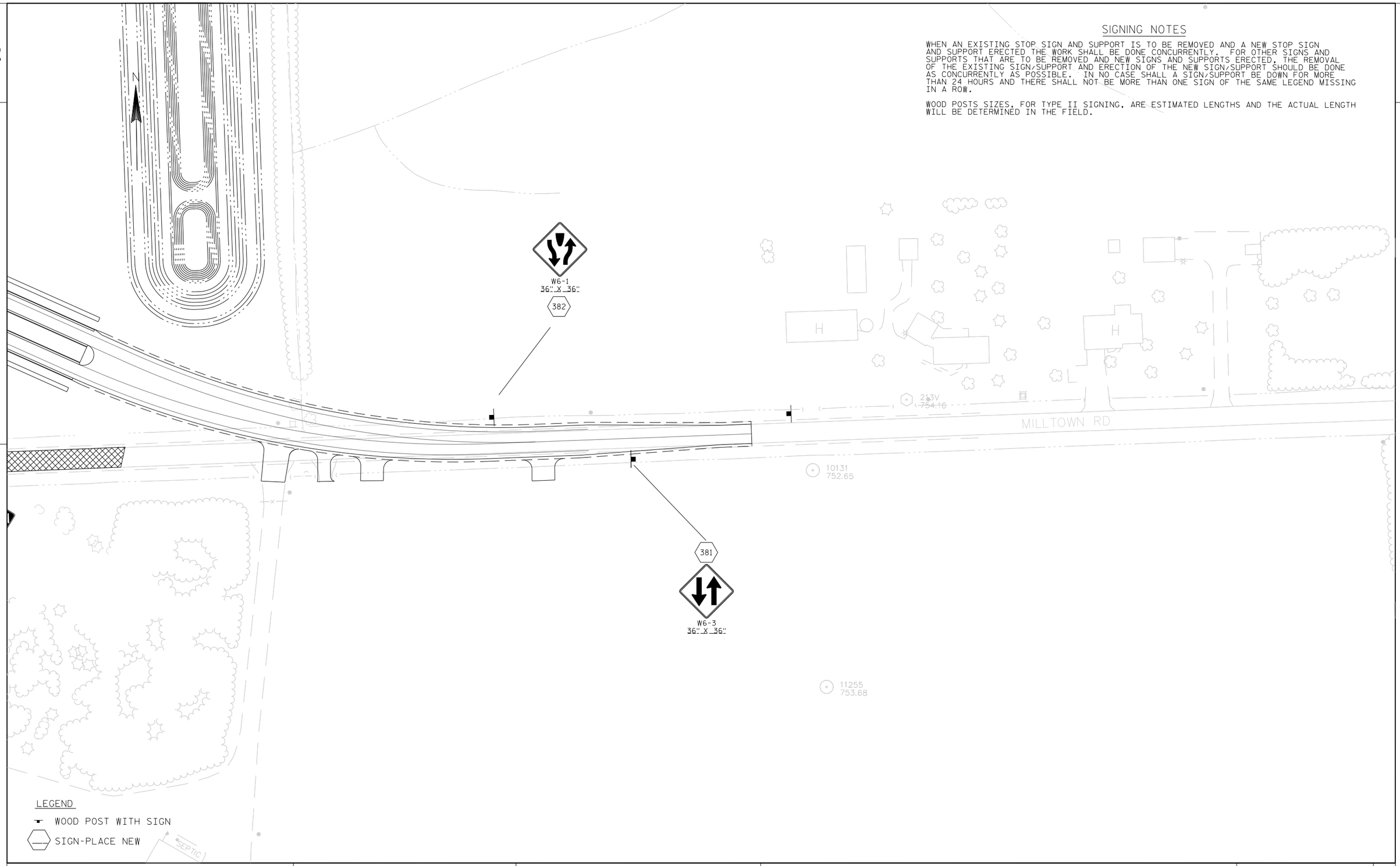
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PERMANENT SIGNING	SHEET 387 E

2

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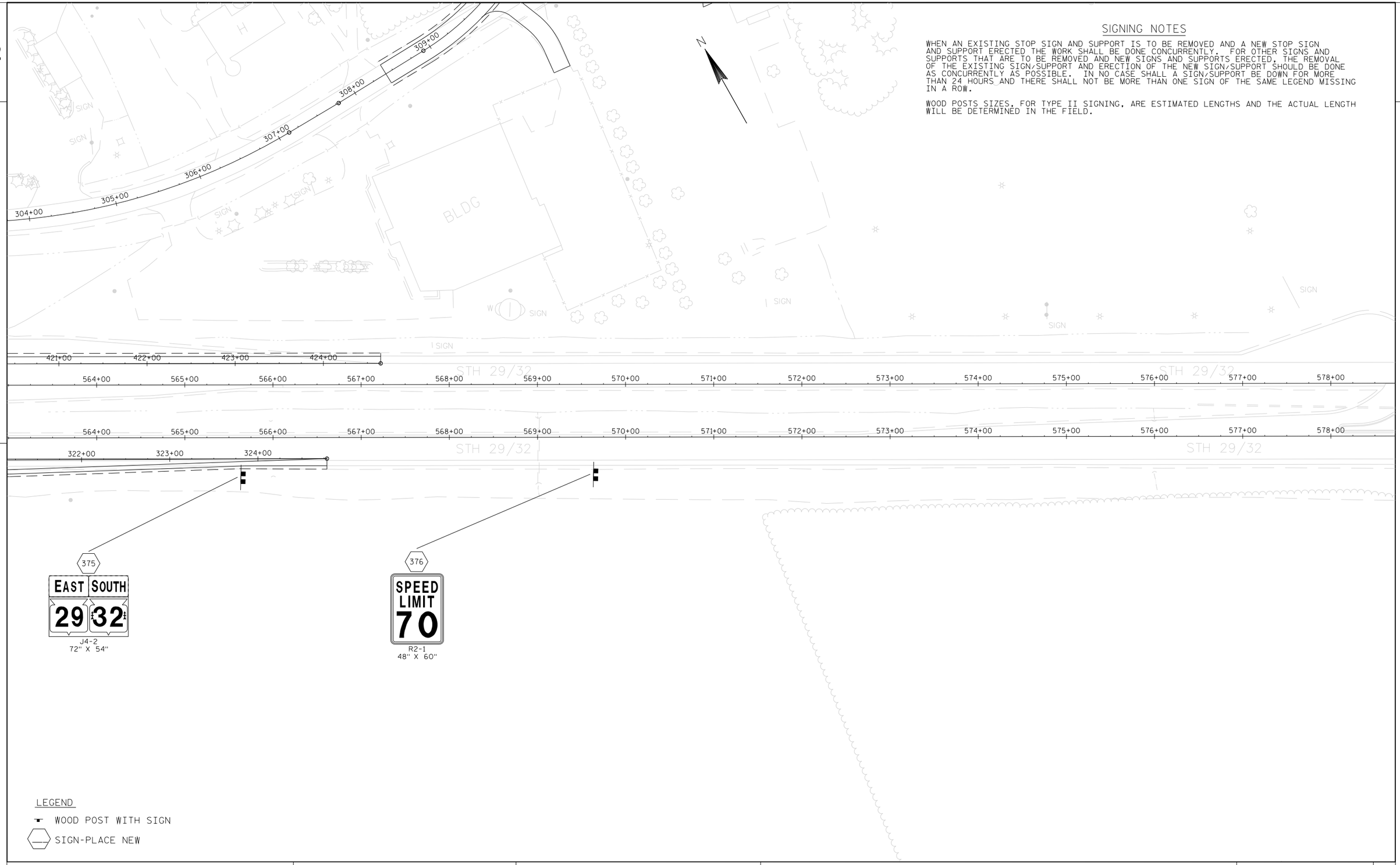
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PERMANENT SIGNING	SHEET 388 E

2

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LEGEND

WOOD POST WITH SIGN

SIGN-PLACE NEW

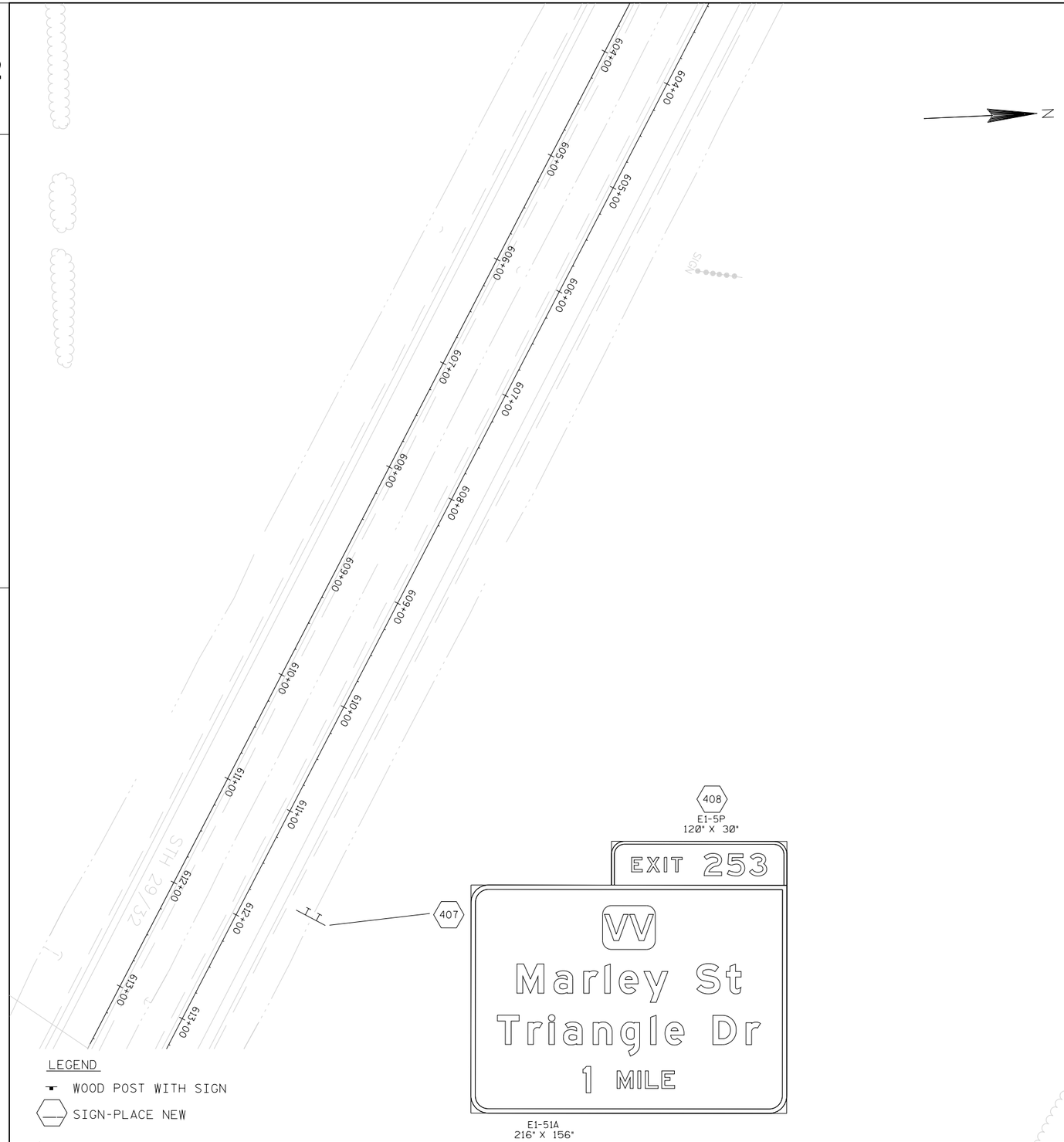
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PERMANENT SIGNING	SHEET 389 E

2

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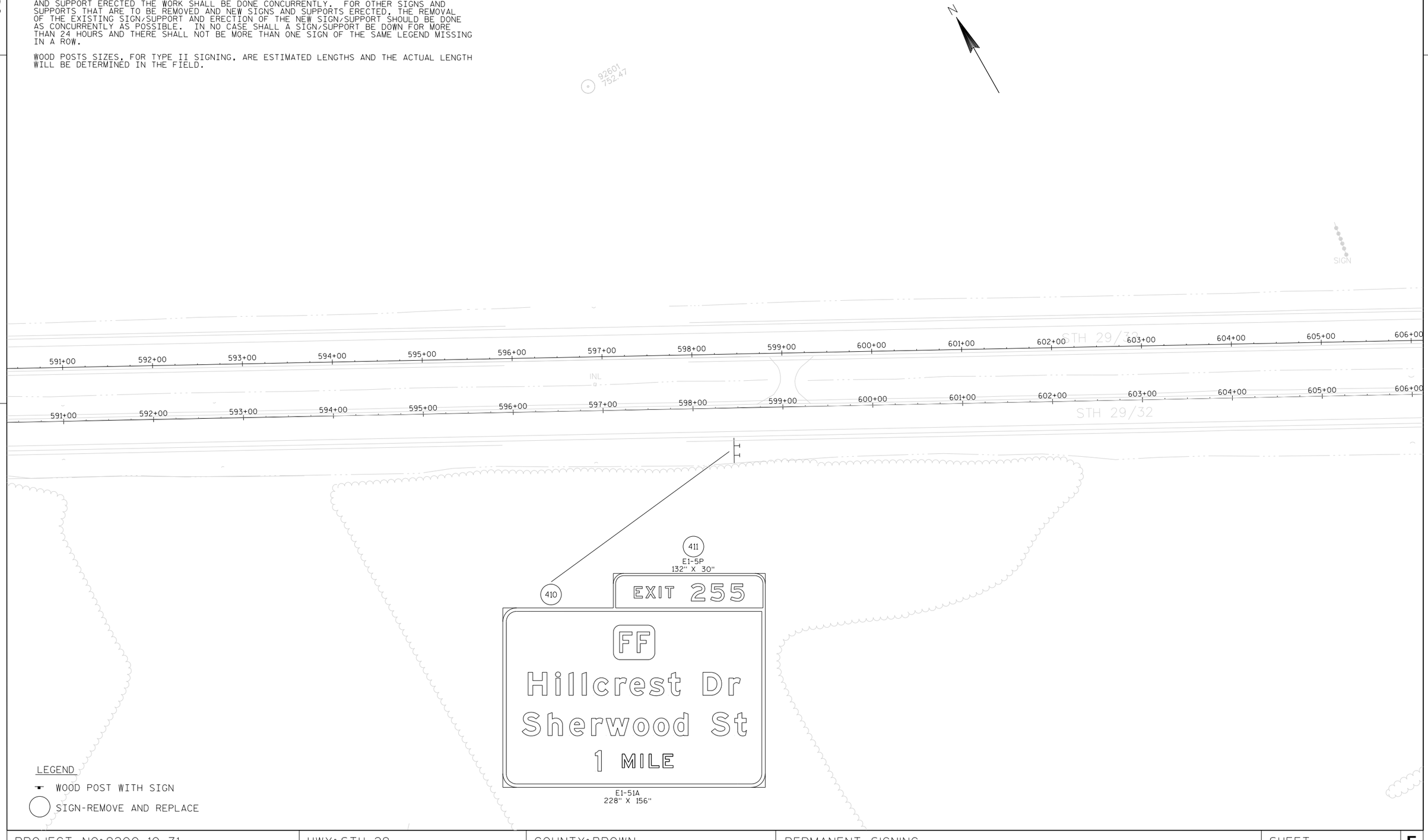
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LEGEND

WOOD POST WITH SIGN

SIGN-REMOVE AND REPLACE

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PERMANENT SIGNING	SHEET	E

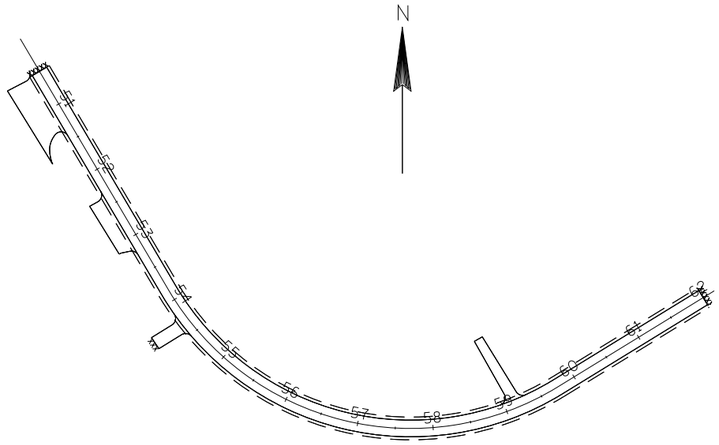
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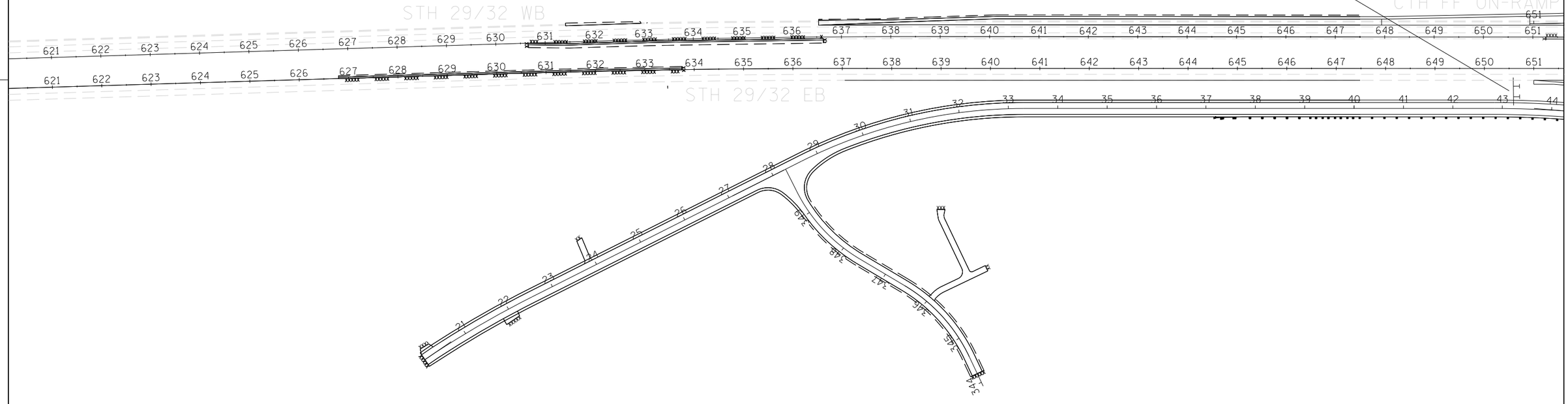
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LEGEND

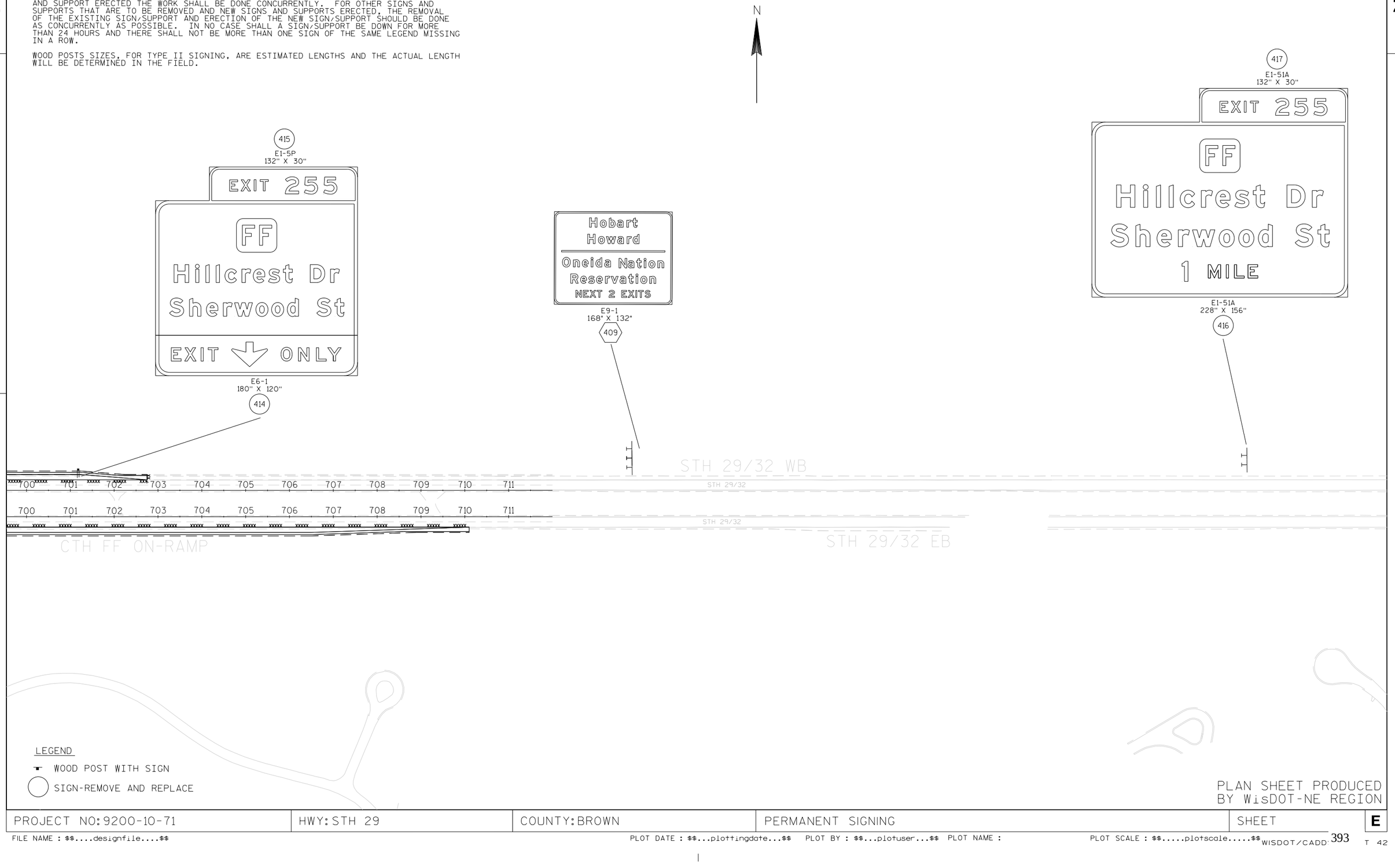
- WOOD POST WITH SIGN
- SIGN-REMOVE AND REPLACE

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PERMANENT SIGNING	SHEET E

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LEGEND

WOOD POST WITH SIGN

SIGN-REMOVE AND REPLACE

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PERMANENT SIGNING	SHEET	E

2

ORIGINAL PLANS PREPARED BY

KL Engineering

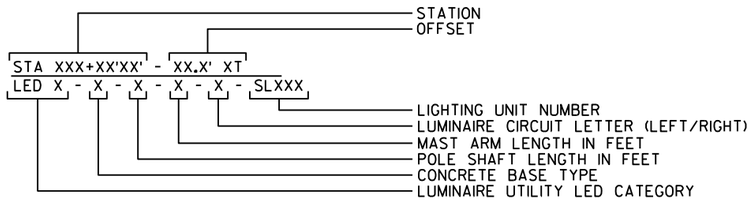
WISCONSIN
JACOB A. JOYAL
46965-6
OREGON, WI
PROFESSIONAL ENGINEER

05/01/2020
(Date)

(Signature)

LIGHTING PLAN LEGEND:

- SINGLE ARM LIGHTING UNIT
- SINGLE ARM LIGHTING UNIT BY WISDOT SEE ADDITIONAL SHEETS
- CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE BY WISDOT SEE ADDITIONAL SHEETS
- PULL BOX NON-CONDUCTIVE (24"X42")
- PULL BOX NON-CONDUCTIVE (24"X42") BY WISDOT SEE ADDITIONAL SHEETS
- LIGHTING CONDUIT
- LIGHTING CONDUIT BY WISDOT SEE ADDITIONAL SHEETS



GENERAL STREET LIGHTING NOTES:

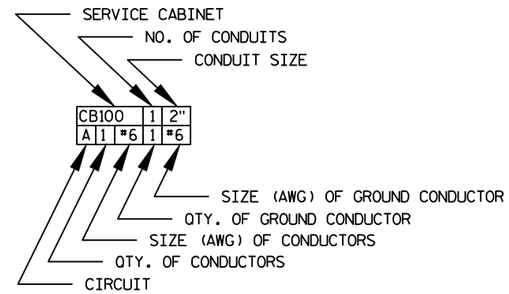
1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

2) PITCH ALL CONDUITS TOWARD PULLBOXES. INSTALL A 2" DRAIN DUCT TO DITCH OR STORM SEWER AS REQUIRED FOR DRAINAGE. THIS 2" DRAIN DUCT IS INCIDENTAL TO THE PULL BOX BID ITEM. DRAIN DUCT IS NOT SHOWN. DO NOT SPLICE IN PULLBOXES.

3) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

4) REFER TO STAKING DATA FOR EXACT OFFSET LOCATIONS, WITH ALL LOCATION APPROVED BY THE ENGINEER PRIOR TO INSTALL. GENERAL GUIDELINES FOR OFFSETS ARE AS FOLLOWS:
- -BEHIND CURB AND GUTTER: 6.730' FROM FACE OF CURB TO CENTER OF BASE
- -BEHIND SIDEWALK: 2.833' FROM EDGE OF SIDEWALK TO CENTER OF BASE

CONDUIT/CONDUCTOR LEGEND



PWO = PULL WIRE ONLY

NEU = NEUTRAL

CONDUCTOR COLOR LEGEND

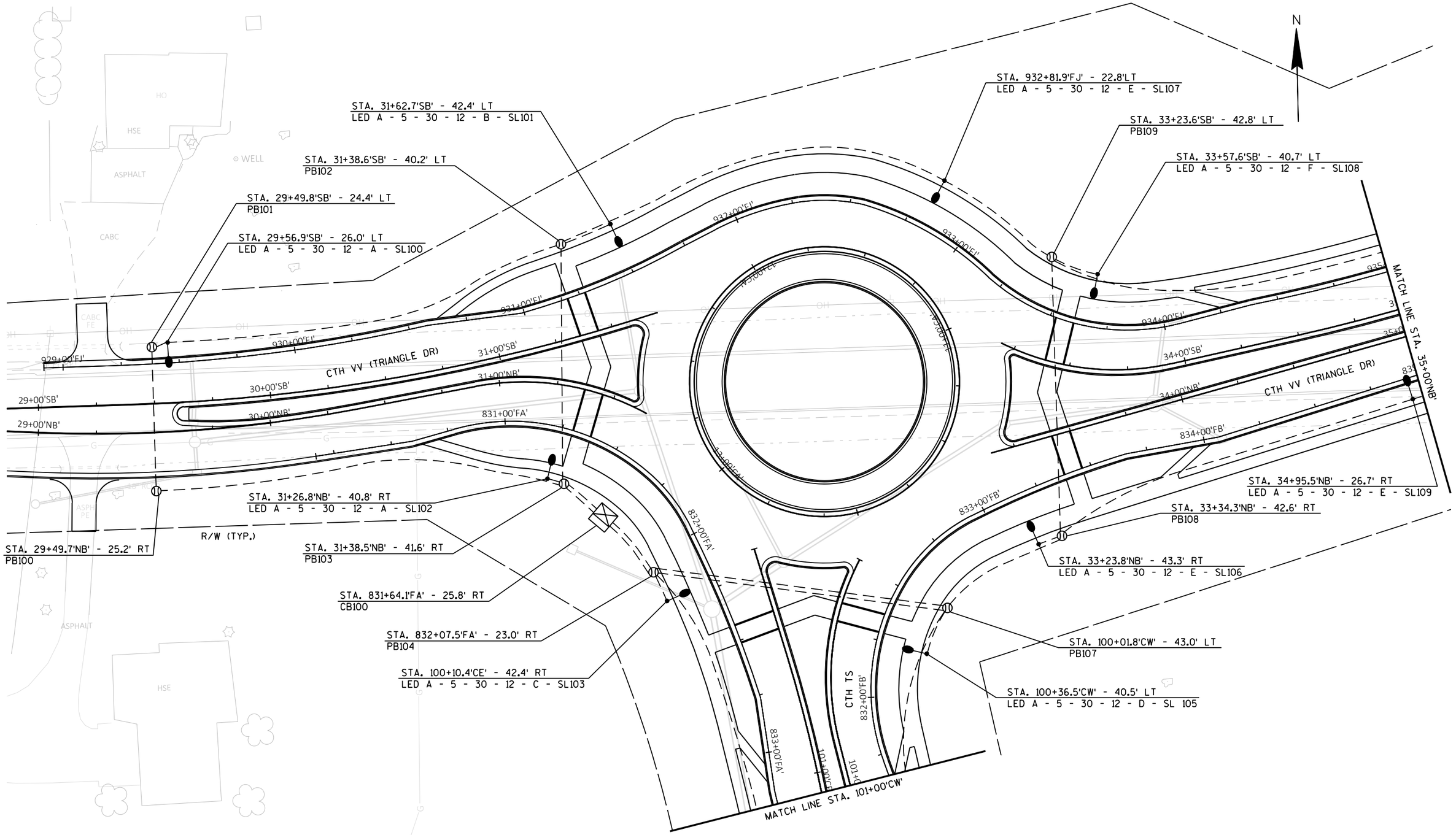
CB100

LIGHTING CONDUCTORS
A - BLACK
B - RED
C - BLACK
D - RED
E - BLACK
F - RED
240V PHASE TO PHASE

CB200

LIGHTING CONDUCTORS
A - BLACK
B - RED
C - BLACK
D - RED
E - BLACK
F - RED
240V PHASE TO PHASE

2



SHEET 2 OF 15

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	LIGHTING PLANS	SHEET 395	E

FILE NAME : G:\AYRES\A20-10032-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\023601_LP.DWG PLOT DATE : 2/24/2020 1:30 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

CB100	1	3"
A	4	#6
B	4	#6

240V

PWO 1-2"

SL101

SL107

PB102

E_1

CB100	1	3"
E	6	#6
F	6	#6

240V

PB109

SL108

E_1

MATCH LINE STA. 35+00'NB'

A_1

PB101

PWO 1-2"

SL100

929+00'FJ'

930+00'FJ'

931+00'FJ'

932+00'FJ'

933+00'FJ'

934+00'FJ'

CTH VV (TRIANGLE DR)

29+00'SB'

29+00'NB'

30+00'SB'

30+00'NB'

31+00'SB'

31+00'NB'

34+00'SB'

34+00'NB'

PWO 1-3"

B_1

F_1

831+00'FA'

834+00'FB'

SL109

E_1

PWO 1-2"

PB100

SL102

PWO 1-3"

PB103

B_1

CB100

D_1

F_1

832+00'FA'

833+00'FB'

PB104

R/W (TYP.)

CB100	1	3"
A	4	#6
B	4	#6

240V

CB100	1	3"
C	6	#6
D	6	#6

240V

SL103

F_1

D_1

PB107

D_1

SL105

PWO 1-2"

CTH TS

832+00'FB'

833+00'FA'

101+00'CB'

101+00'CA'

C_1

MATCH LINE STA. 101+00'CW'

PB108

SL106

E_1

CB100	1	3"
E	6	#6
F	6	#6

240V

C_1 =

CB100	1	2"
C	2	#6
D	2	#6

240V

D_1 =

CB100	1	3"
C	2	#6
D	2	#6

240V

A_1 =

CB100	1	2"
A	2	#6
B	2	#6

240V

E_1 =

CB100	1	2"
E	2	#6
F	2	#6

240V

B_1 =

CB100	1	3"
A	2	#6
B	2	#6

240V

F_1 =

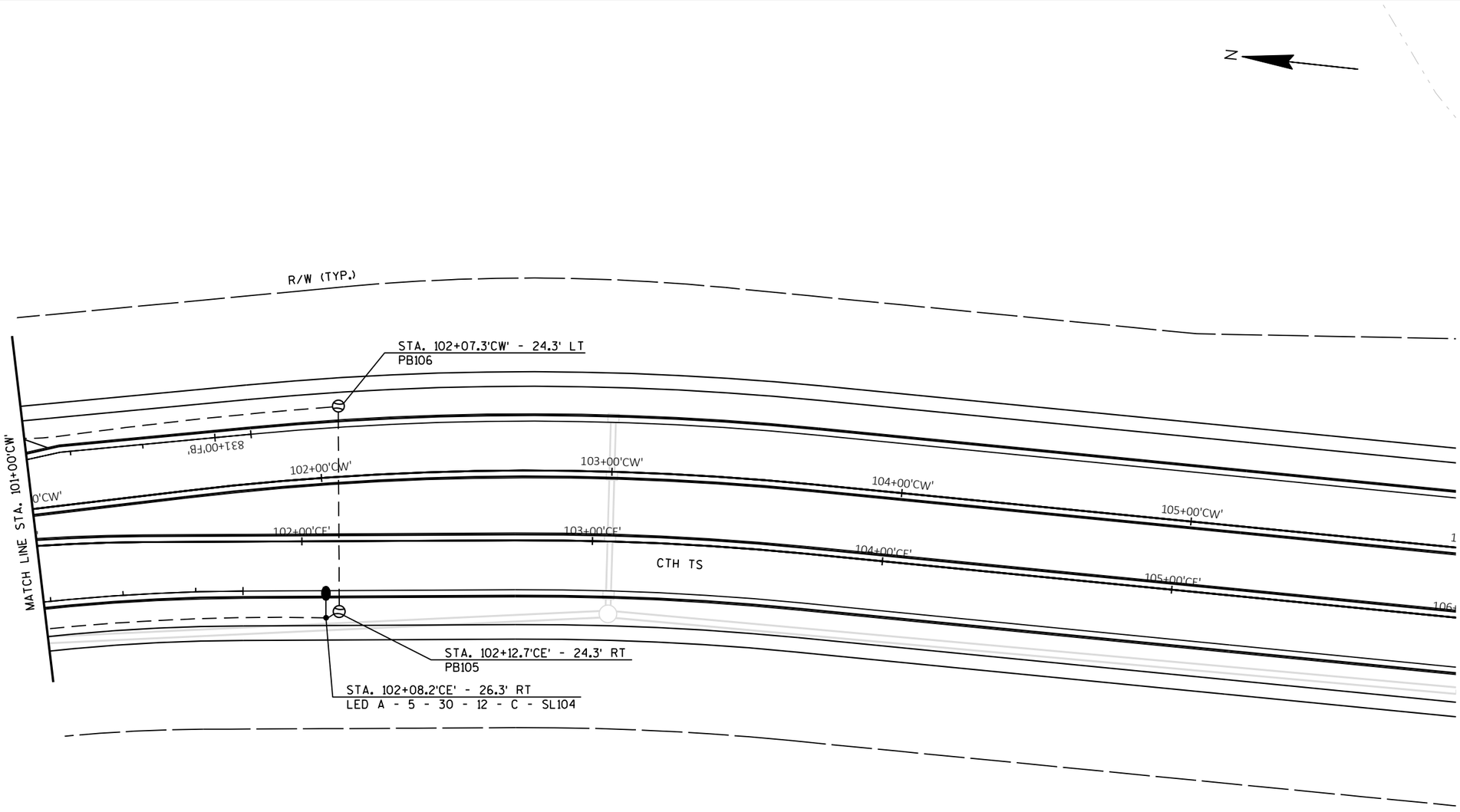
CB100	1	3"
E	2	#6
F	2	#6

240V

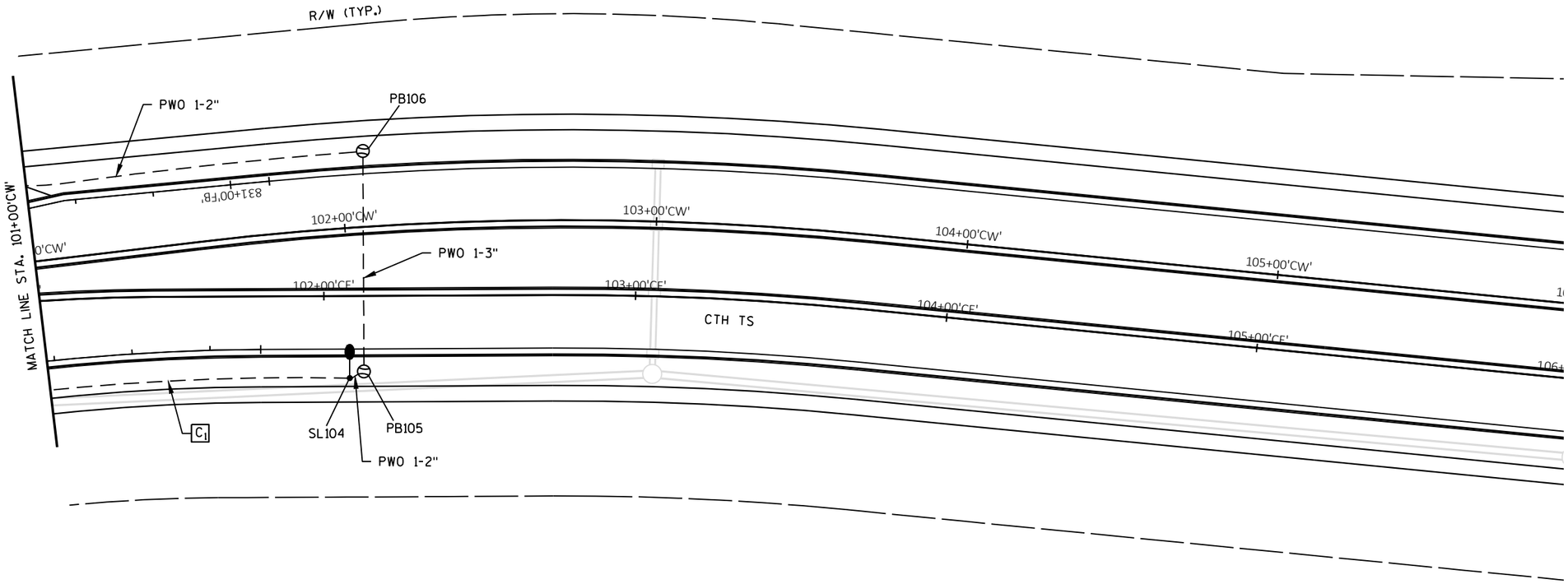
SHEET 3 OF 15

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	LIGHTING PLANS	SHEET 396	E

2


N
R/W (TYP.)
STA. 102+07.3'CW' - 24.3' LT
PB106
831+00'FB'
MATCH LINE STA. 101+00'CW'
0'CW'
102+00'CW'
103+00'CW'
104+00'CW'
105+00'CW'
102+00'CF'
103+00'CF'
104+00'CF'
105+00'CF'
CTH TS
STA. 102+12.7'CE' - 24.3' RT
PB105
STA. 102+08.2'CE' - 26.3' RT
LED A - 5 - 30 - 12 - C - SL104

2



C1 =

CB100			1	2"	
C	2	#6	1	#6	240V
D	2	#6	-	-	

SHEET 5 OF 15

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	LIGHTING PLANS	SHEET 398	E

2

N

SEE ADDITIONAL SHEETS FOR
WISDOT DESIGNED LIGHTING

MATCH LINE STA. 41+00'NB'

STA. 39+90.2'SB' - 24.2' LT
PB110

STA. 39+81.4'SB' - 25.7' LT
LED A - 5 - 30 - 12 - F - SL112

R/W (TYP.)

STA. 36+45.8'SB' - 25.7' LT
LED A - 5 - 30 - 12 - F - SL110

CTH VV (TRIANGLE DR)

SEE ADDITIONAL SHEETS FOR
WISDOT DESIGNED LIGHTING

STA. 39+98.9'NB' - 24.2' RT
PB111

MATCH LINE STA. 35+00'NB'

STA. 38+40.1'NB' - 26.2' RT
LED A - 5 - 30 - 12 - E - SL111

OH

RCCP

CABC

FE

SHEET 6 OF 15

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	LIGHTING PLANS	SHEET 399	E

2

N

SEE ADDITIONAL SHEETS FOR WISDOT DESIGNED LIGHTING

MATCH LINE STA. 41+00'NB'

MATCH LINE STA. 35+00'NB'

R/W (TYP.)

CTH VV (TRIANGLE DR)

CTH VV (TRIANGLE DR)

PB110

PWO 1-2"

SL112

PWO 1-3"

PB111

PWO 1-2"

SL110

SL111

E_1

941+00'FB'

940+00'FB'

940+00'E'

939+00'E'

40+00'SB'

40+00'NB'

39+00'SB'

39+00'NB'

938+00'E'

937+00'E'

936+00'E'

38+00'SB'

38+00'NB'

37+00'SB'

37+00'NB'

36+00'SB'

36+00'NB'

839+00'FB'

838+00'FB'

837+00'FB'

836+00'FB'

OH

RCCP

CABC

FE

E_1 =	CB100		1	2"	
	E	2	#6	1	#6
	F	2	#6	-	-

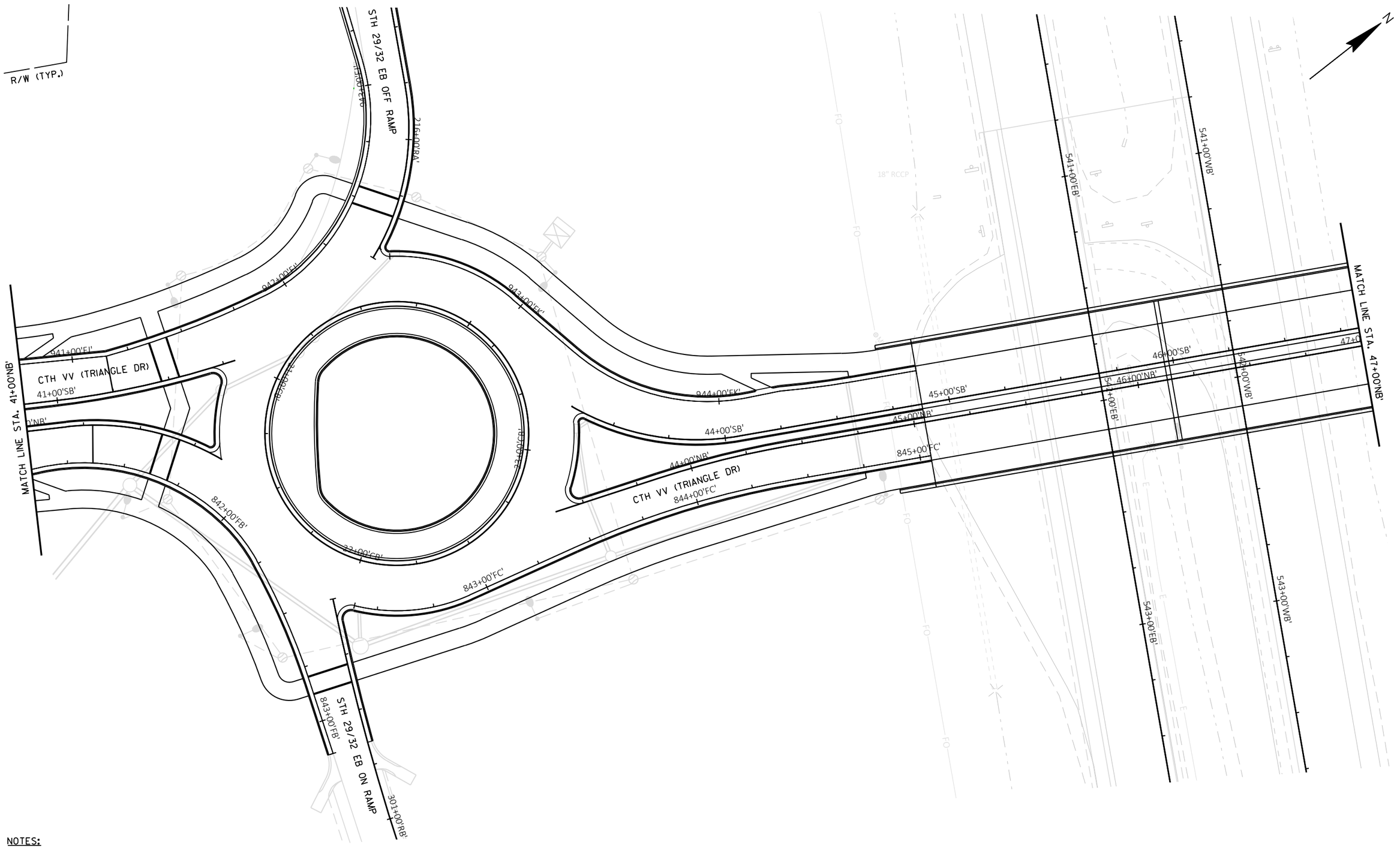
240V

SHEET 7 OF 15

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	LIGHTING PLANS	SHEET 400	E

FILE NAME : G:\AYRES\A20-10032-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\023602_LP_A_9200-10-71.DWG PLOT DATE : 2/24/2020 1:33 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



NOTES:

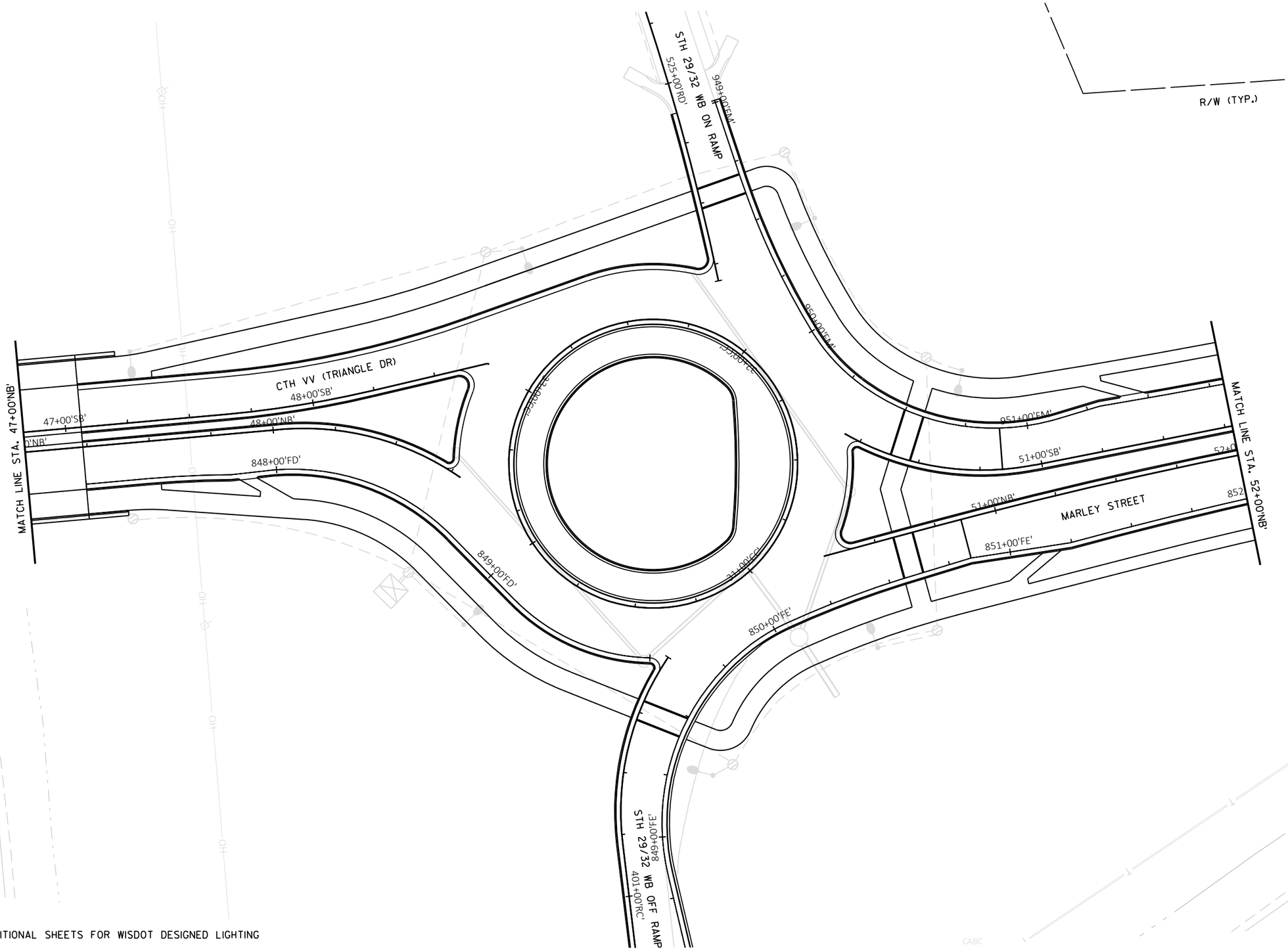
1) SEE ADDITIONAL SHEETS FOR WISDOT DESIGNED LIGHTING

SHEET 8 OF 15

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	LIGHTING PLANS	SHEET 401 E

FILE NAME : G:\AYRES\A20-10032-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\023601_LP.DWG PLOT DATE : 2/24/2020 1:33 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



NOTES:

1) SEE ADDITIONAL SHEETS FOR WISDOT DESIGNED LIGHTING

SHEET 9 OF 15

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	LIGHTING PLANS	SHEET 402	E

FILE NAME : G:\AYRES\A20-10032-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\023601_LP.DWG PLOT DATE : 2/24/2020 1:34 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

R/W (TYP.)

SEE ADDITIONAL SHEETS FOR
WISDOT DESIGNED LIGHTING

STA. 52+27.5'SB' - 24.2' LT
PB201

STA. 54+00.4'SB' - 26.3' LT
LED A - 5 - 30 - 12 - A - SL201

ATC EASEMENT (TYP.)

STA. 57+47.1'SB' - 26.3' LT
LED A - 5 - 30 - 12 - A - SL203

MATCH LINE STA. 52+00'NB'

MATCH LINE STA. 58+00'NB'

952+00'EM'
953+00'EM'
954+00'EM'
955+00'EM'
956+00'EM'
957+00'EM'
52+00'SB'
53+00'SB'
54+00'SB'
55+00'SB'
56+00'SB'
57+00'SB'
53+00'NB'
54+00'NB'
55+00'NB'
56+00'NB'
57+00'NB'
853+00'FE'
854+00'FE'
855+00'FE'
856+00'FE'
857+00'FE'

MARLEY STREET

MARLEY STREET

STA. 52+54.9'NB' - 26.3' RT
LED A - 5 - 30 - 12 - B - SL200

STA. 52+24.3'NB' - 24.3' RT
PB200

SEE ADDITIONAL SHEETS FOR
WISDOT DESIGNED LIGHTING

STA. 55+53.6'NB' - 26.3' RT
LED A - 5 - 30 - 12 - B - SL202

SHEET 10 OF 15

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	LIGHTING PLANS	SHEET 403	E

FILE NAME : G:\AYRES\A20-10032-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\023601_LP.DWG PLOT DATE : 2/24/2020 1:34 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

R/W (TYP.)

ATC EASEMENT (TYP.)

SEE ADDITIONAL SHEETS FOR
WISDOT DESIGNED LIGHTING

PB201

PWO 1-2"

PWO 1-3"

SL201

SL203

A_2

MATCH LINE STA. 52+00'NB'

MATCH LINE STA. 58+00'NB'

952+00'EM'

953+00'EM'

954+00'EM'

955+00'EM'

956+00'EM'

957+00'EM'

52+00'SB'

53+00'SB'

54+00'SB'

55+00'SB'

56+00'SB'

57+00'SB'

53+00'NB'

54+00'NB'

55+00'NB'

56+00'NB'

57+00'NB'

MARLEY STREET

853+00'FE'

854+00'FE'

855+00'FE'

856+00'FE'

857+00'FE'

858+00

SL200

PWO 1-2"

PB200

SL202

SEE ADDITIONAL SHEETS FOR
WISDOT DESIGNED LIGHTING

A_2 =

CB200		1	2"	
A	2	#6	1	#6
B	2	#6	-	-

240V

SHEET 11 OF 15

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	LIGHTING PLANS	SHEET 404	E

FILE NAME : G:\AYRES\A20-10032-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\023602_LP_A_9200-10-71.DWG PLOT DATE : 2/24/2020 1:34 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

STA. 960+14.4'FM' - 22.8' LT
LED A - 5 - 30 - 12 - B - SL205

STA. 959+93.8'FM' - 23.0' LT
PB204

STA. 59+24.8'SB' - 43.1' LT
LED A - 5 - 30 - 12 - A - SL204

STA. 59+10.1'SB' - 42.0' LT
PB203

FUTURE ROAD TBD

STA. 860+31.7'FN' - 22.8' LT
LED A - 5 - 30 - 12 - A - SL211

STA. 860+37.8'FN' - 23.0' LT
PB210

STA. 860+72.7'FN' - 25.8' LT
CB200

STA. 60+96.6'SB' - 42.1' LT
PB211

STA. 63+45.4'SB' - 35.1' LT
PB212

STA. 61+15.4'SB' - 41.0' LT
LED A - 5 - 30 - 12 - C - SL212

MILLWOOD COURT

MARLEY STREET

MATCH LINE STA. 58+00'NB'

STA. 59+13.5'NB' - 40.9' RT
LED A - 5 - 30 - 12 - B - SL206

STA. 59+35.1'NB' - 42.2' RT
PB202

STA. 600+11.4'EGE' - 41.8' RT
LED A - 5 - 30 - 12 - F - SL207

STA. 600+36.9'EGE' - 39.9' RT
PB205

STA. 600+43.9'EGE' - 12.4' LT
PB207

EVERGREEN AVE

MATCH LINE STA. 601+00'EGW'

STA. 61+25.0'NB' - 41.5' RT
PB209

STA. 61+12.7'NB' - 43.0' RT
LED A - 5 - 30 - 12 - D - SL210

STA. 600+12.3'EGW' - 42.4' LT
PB208

STA. 600+53.3'EGW' - 40.2' LT
LED A - 5 - 30 - 12 - E - SL209

R/W (TYP.)

STA. 63+59.9'NB' - 36.6' RT
LED A - 5 - 30 - 12 - C - SL213

STA. 63+72.1'NB' - 36.6' RT
PB213

SHEET 12 OF 15

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	LIGHTING PLANS	SHEET 405	E

2

N

CB200	1	3"
A	4	#6
B	4	#6

240V

SL205

FUTURE ROAD TBD

CB200	1	3"
A	6	#6
B	6	#6

240V

A_2

PB204

PB203

SL204

B_2

PWO 1-3"

CB200	1	3"
A	4	#6
B	4	#6

240V

SL211

PB210

B_2

CB200

D_2

PB211

SL212

F_2

CB200	1	3"
C	4	#6
D	4	#6

240V

PB212

PWO 1-2"

MILLWOOD COURT

MARLEY STREET

MATCH LINE STA. 58+00'NB'

A_2

SL206

PB202

CB200	1	3"
A	4	#6
B	4	#6

240V

PWO 1-2"

SL207

F_2

PB205

PB207

EVERGREEN AVE

E_2

CB200	1	3"
E	4	#6
F	4	#6

240V

MATCH LINE STA. 601+00'EGW'

PB208

SL209

CB200	1	3"
E	6	#6
F	6	#6

240V

SL210

PB209

CB200	1	3"
C	4	#6
D	4	#6

240V

R/W (TYP.)

C_2

PB213

SL213

PWO 1-2"

A_2 = CB200 | 1 | 2" — A | 2 | #6 | 1 | #6 — B | 2 | #6 | - | - — 240V

B_2 = CB200 | 1 | 3" — A | 2 | #6 | 1 | #6 — B | 2 | #6 | - | - — 240V

C_2 = CB200 | 1 | 2" — C | 2 | #6 | 1 | #6 — D | 2 | #6 | - | - — 240V

D_2 = CB200 | 1 | 3" — C | 2 | #6 | 1 | #6 — D | 2 | #6 | - | - — 240V

E_2 = CB200 | 1 | 2" — E | 2 | #6 | 1 | #6 — F | 2 | #6 | - | - — 240V

F_2 = CB200 | 1 | 3" — E | 2 | #6 | 1 | #6 — F | 2 | #6 | - | - — 240V

SHEET 13 OF 15

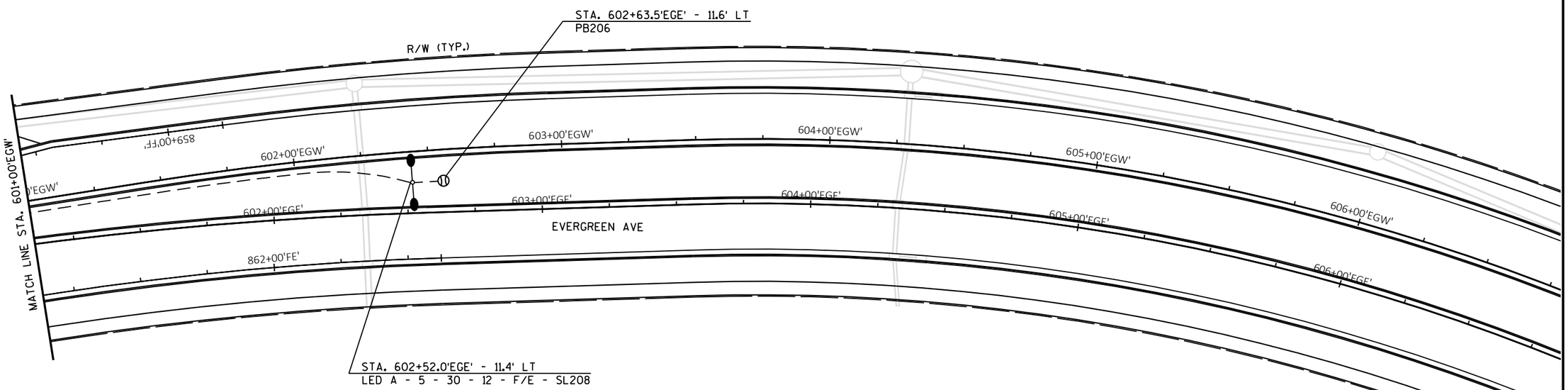
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	LIGHTING PLANS	SHEET 406	E

FILE NAME : G:\AYRES\A20-10032-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\023602_LP_A_9200-10-71.DWG PLOT DATE : 2/24/2020 1:35 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

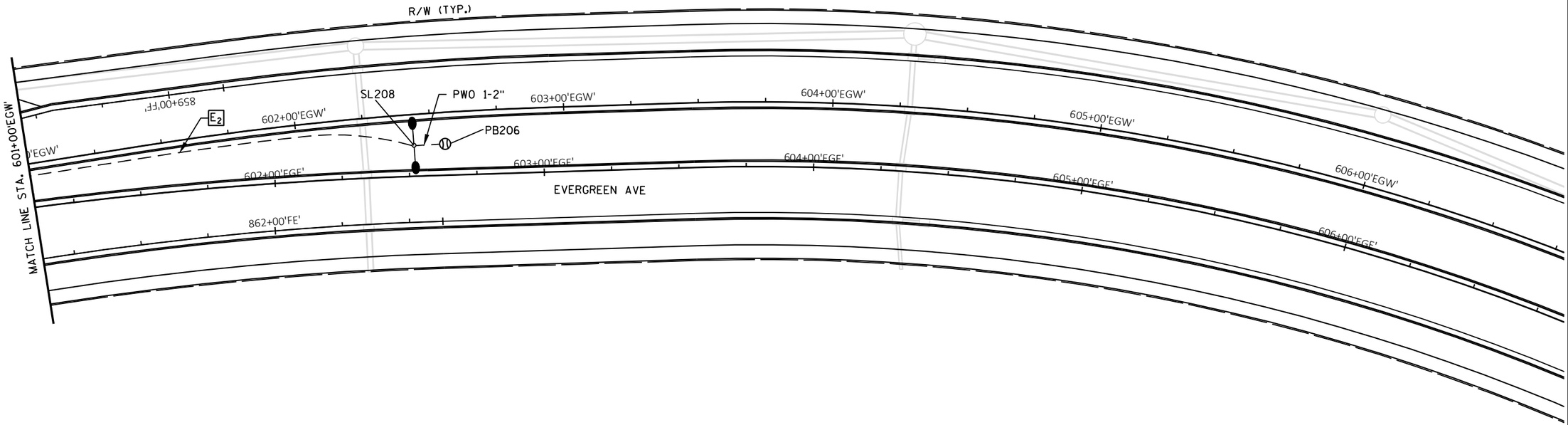


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	LIGHTING PLANS	SHEET 407	E

FILE NAME : G:\AYRES\A20-10032-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\023601_LP.DWG PLOT DATE : 2/24/2020 1:36 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N



E_2 =

CB200			1	2"
E	2	#6	1	#6
F	2	#6	-	-

240V

SHEET 15 OF 15

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	LIGHTING PLANS	SHEET 408	E

FILE NAME : G:\AYRES\A20-10032-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\023602_LP_A_9200-10-71.DWG PLOT DATE : 2/24/2020 1:36 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

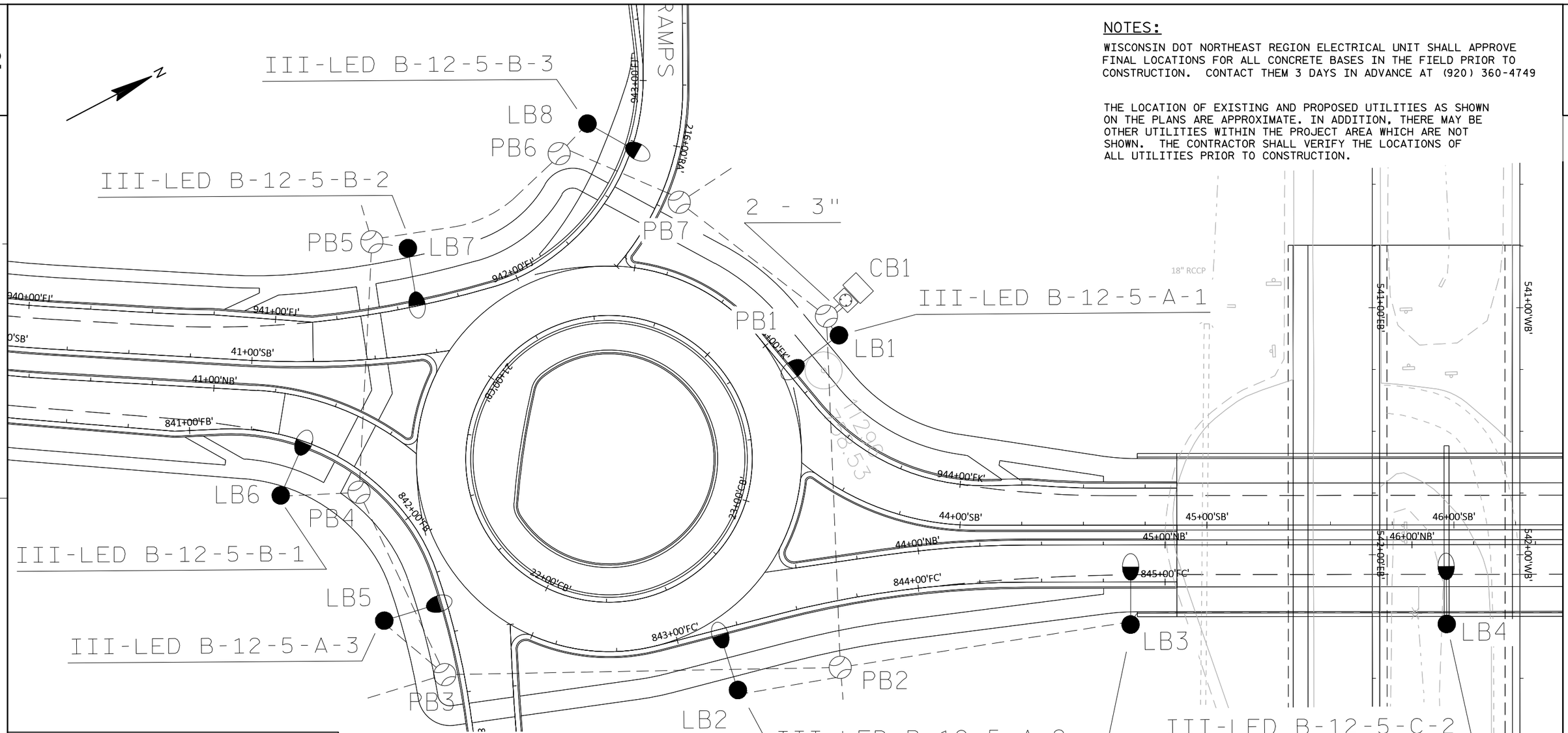
WISDOT/CADDS SHEET 42

2

NOTES:

WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 360-4749

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.



LEGEND

- LIGHTING CONTROL CABINET WITH METER BREAKER PEDESTAL
- 2" CONDUIT, NON-METALLIC (unless otherwise noted)
- LIGHTING UNIT
- PULL BOX 24" X 42"
- UTILITY POLE
- ELECTRIC, UNDERGROUND — E —
- ELECTRIC, OVERHEAD — OH —

EXAMPLE (see individual label on each lighting unit)

III-LED A-12-5-A-4

- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT ID
- BASE TYPE
- MAST ARM LENGTH (in feet)
- LAMP WATTAGE
- DISTRIBUTION TYPE

240 VOLT SYSTEM

120/240 VOLT ELECTRIC SERVICE

CONDUCTOR COLOR SCHEME

Circuit "A" = Black
Circuit "B" = Red
Circuit "C" = Blue
Circuit "D" = Brown
Circuit "E" = Orange
Circuit "F" = Yellow

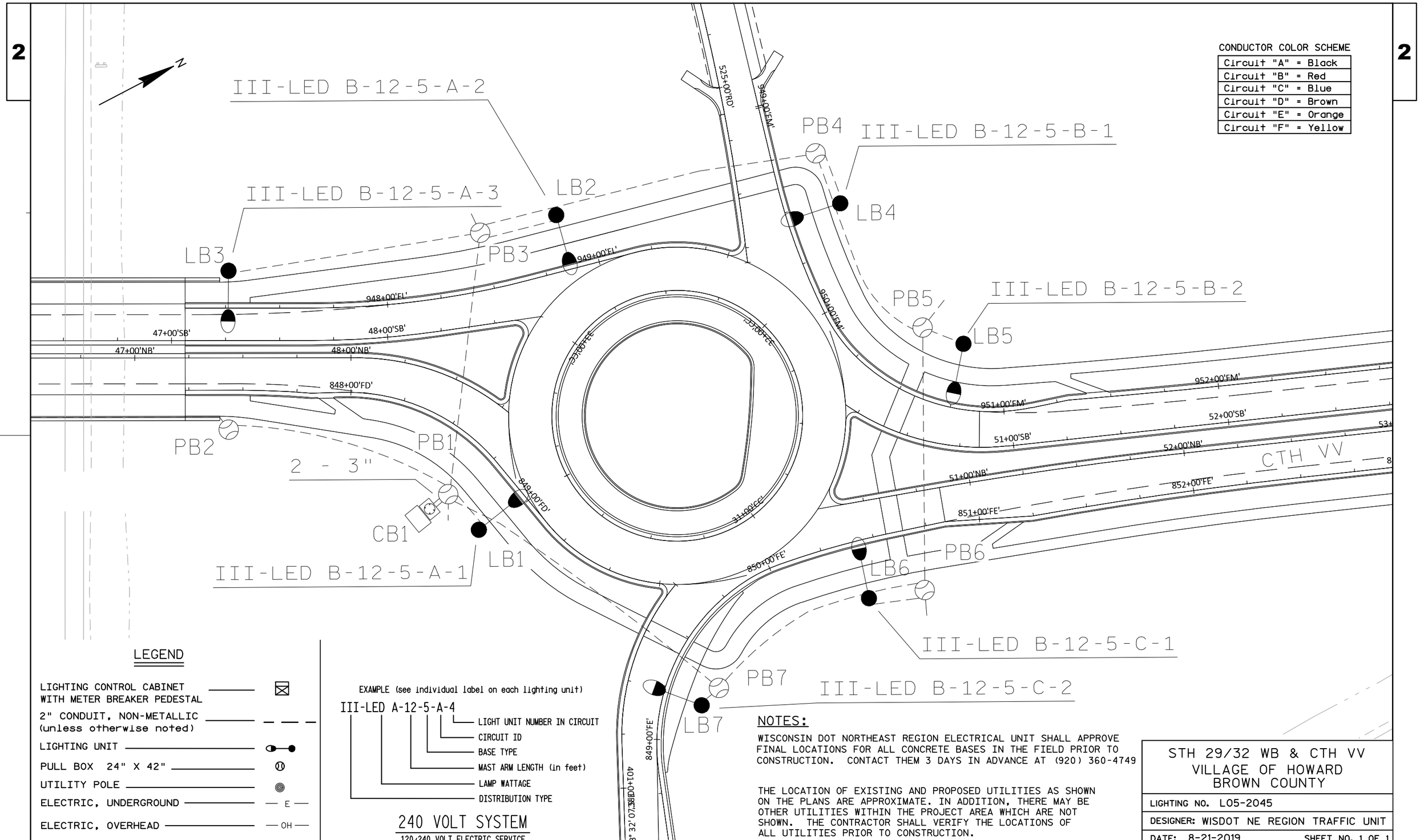
STH 29/32 EB & CTH VV
VILLAGE OF HOWARD
BROWN COUNTY

LIGHTING NO. L05-2025

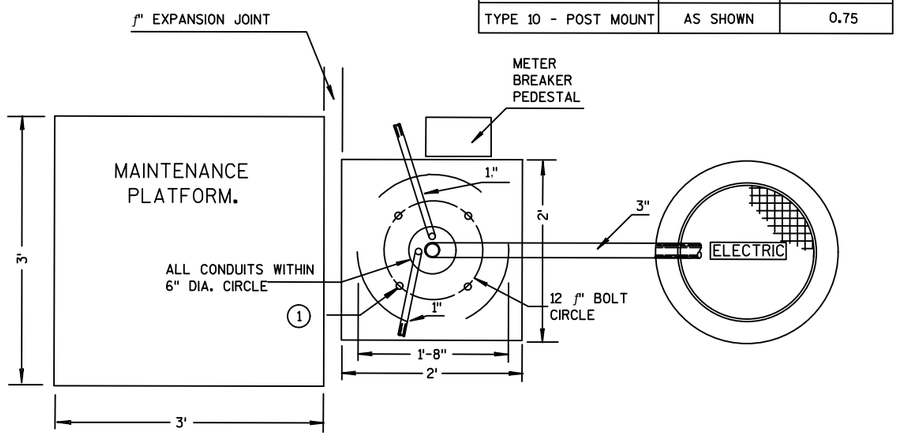
DESIGNER: WISDOT NE REGION TRAFFIC UNIT

DATE: 8-21-2019 SHEET NO. 1 OF 1

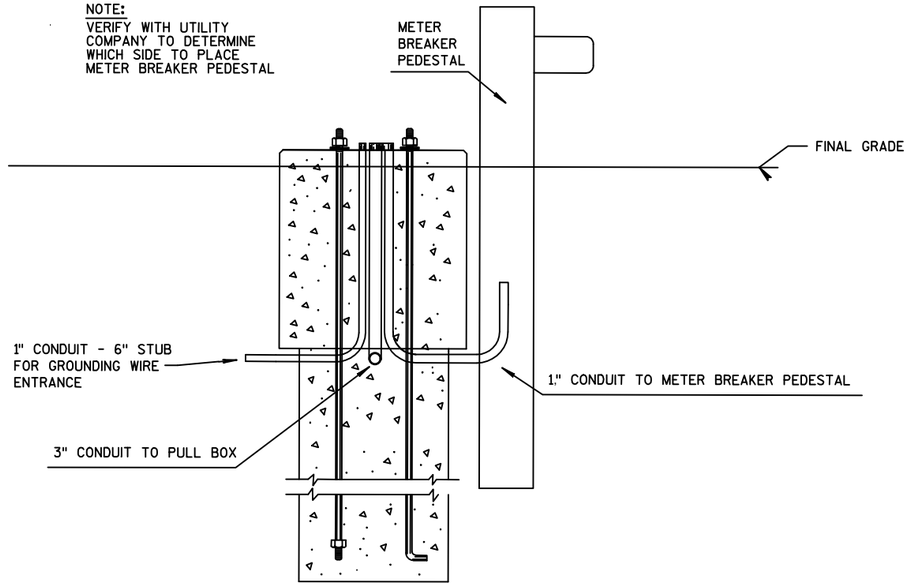
PROJECT NO: 9200-10-71	HWY: 29/32	COUNTY: BROWN	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING	SHEET 409	E


III-LED B-12-5-A-2
III-LED B-12-5-A-3
III-LED B-12-5-A-1
III-LED B-12-5-B-1
III-LED B-12-5-B-2
III-LED B-12-5-C-1
III-LED B-12-5-C-2
LB1
LB2
LB3
LB4
LB5
LB6
LB7
PB1
PB2
PB3
PB4
PB5
PB6
PB7
CB1
2 - 3"
525+00'RD'
949+00'EM'
950+00'EM'
949+00'EL'
948+00'EL'
47+00'SB'
47+00'NB'
48+00'SB'
48+00'NB'
848+00'FD'
849+00'FD'
850+00'FE'
851+00'FE'
852+00'FE'
951+00'EM'
952+00'EM'
51+00'SB'
51+00'NB'
52+00'SB'
52+00'NB'
CTH VV
849+00'FE'
401+00'RD'
53° 32' 07"
CONDUCTOR COLOR SCHEME
Circuit "A" = Black
Circuit "B" = Red
Circuit "C" = Blue
Circuit "D" = Brown
Circuit "E" = Orange
Circuit "F" = Yellow
LEGEND
LIGHTING CONTROL CABINET WITH METER BREAKER PEDESTAL
2" CONDUIT, NON-METALLIC (unless otherwise noted)
LIGHTING UNIT
PULL BOX 24" X 42"
UTILITY POLE
ELECTRIC, UNDERGROUND — E —
ELECTRIC, OVERHEAD — OH —
EXAMPLE (see individual label on each lighting unit)
III-LED A-12-5-A-4
LIGHT UNIT NUMBER IN CIRCUIT
CIRCUIT ID
BASE TYPE
MAST ARM LENGTH (in feet)
LAMP WATTAGE
DISTRIBUTION TYPE
240 VOLT SYSTEM
120/240 VOLT ELECTRIC SERVICE
NOTES:
WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 360-4749
THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.
STH 29/32 WB & CTH VV
VILLAGE OF HOWARD
BROWN COUNTY
LIGHTING NO. L05-2045
DESIGNER: WISDOT NE REGION TRAFFIC UNIT
DATE: 8-21-2019
SHEET NO. 1 OF 1
PROJECT NO: 9200-10-71
HWY: 29/32
COUNTY: BROWN
CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING
SHEET 410 E
FILE NAME : F:\D3_TRAFFI\L05-2025 (29 & VV) FUTURE\L05-2025.DWG
PLOT DATE : Jan 09, 2020 - 10:23am
PLOT BY : TALCOTT, MATTHEW J L05-2045
PLOT SCALE : 40:1
WISDOT/CADDS SHEET 42

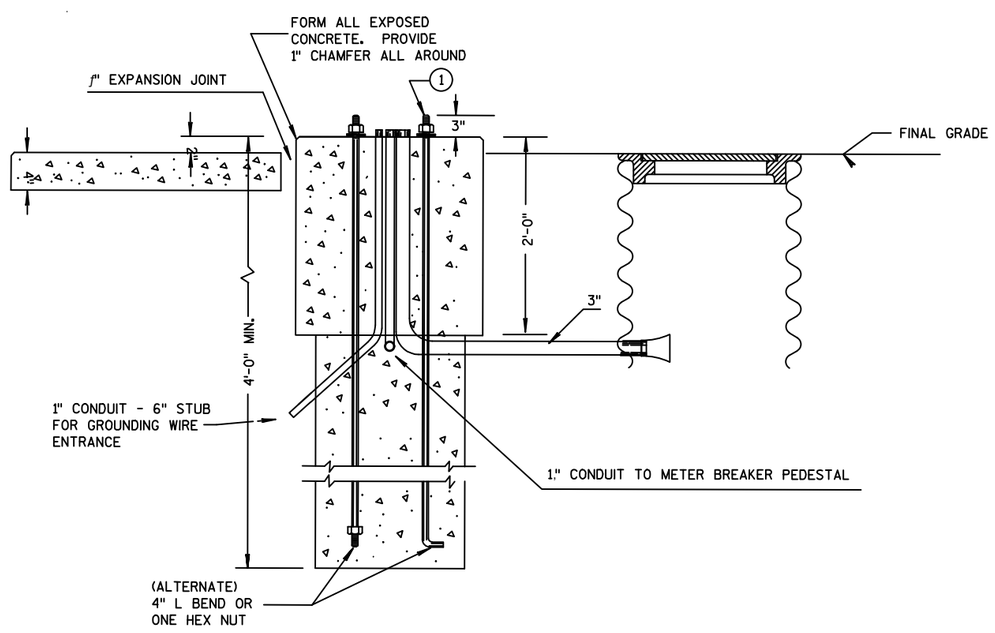
CONTROL CABINET BASE TYPE	DIMENSIONS	C.Y. CONCRETE (APPROX.)
TYPE 10 - POST MOUNT	AS SHOWN	0.75



PLAN VIEW



FRONT VIEW



PROFILE VIEW

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED AND LEVEL.

WHEN A TYPE 10 CONTROL CABINET BASE IS USED TO POST MOUNT A CONTROL CABINET, A 36" SQUARE 4" THICK CONCRETE MAINTENANCE PLATFORM SHALL BE REQUIRED ON THE DOOR SIDE OF THE CABINET. THE TOP 1 INCH SHALL BE ABOVE FINISHED GRADE AND BE BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

ALL CONDUIT ENDS AT THE TOP OF THE CONCRETE BASE SHALL PLUGGED IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

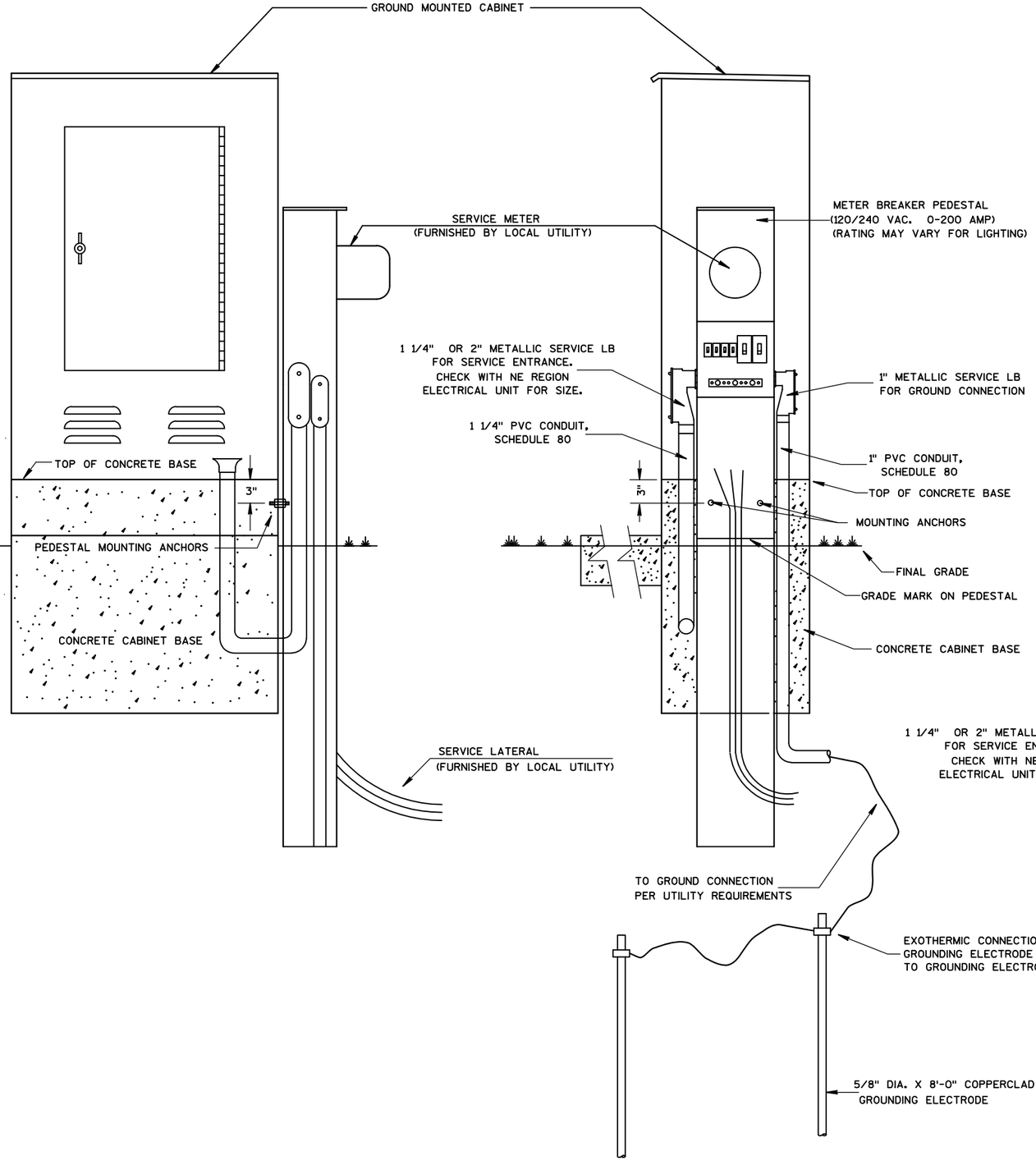
WHEN ANCHOR RODS USING THE ALTERNATE L BEND ARE FURNISHED FOR THE TYPE 10 BASE, THE 4" L BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH.

THE "L" BEND SHALL NOT BE THREADED.

STRAIGHT ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD.

FOUR (4) ANCHOR RODS, 1" DIA. X 3'-6"
ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 AND 641.2.2 OF THE STANDARD SPECIFICATIONS AND IN ACCORDANCE WITH A-449, OR ASTM. A-687 (GRADE 105).

PROJECT NO: 9200-10-71	HWY: 29/32	COUNTY: BROWN	CONSTRUCTION DETAIL - LIGHTING CABINET BASE, TYPE 10 NER	SHEET 411	E



GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

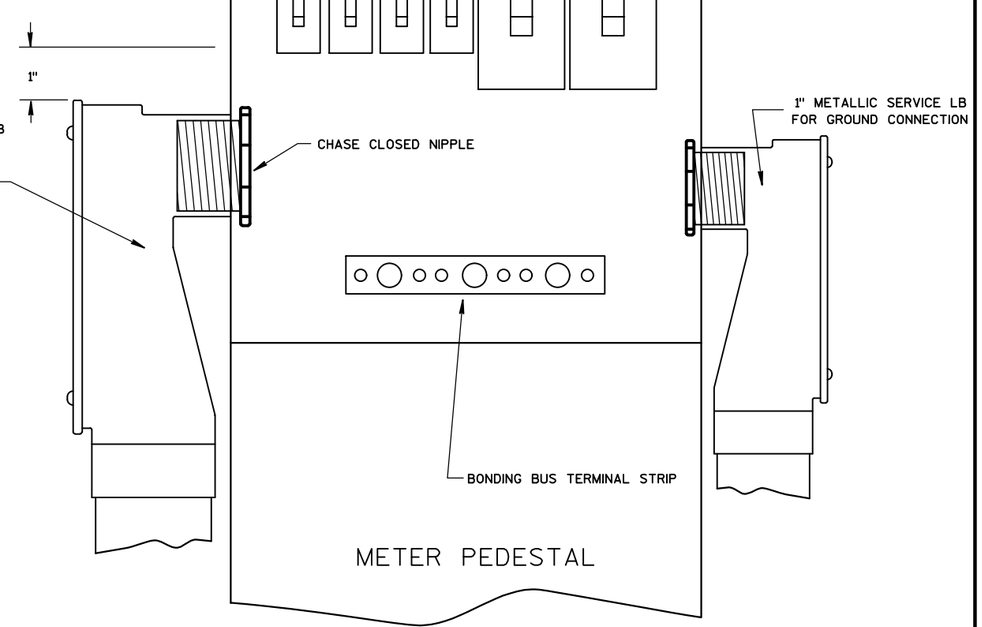
WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT OR SCHEDULE 80 PVC, NIPPLES AND/OR CONDULETS AS REQUIRED. CONDUIT LB SHALL BE OF METALLIC SERVICE ENTRANCE TYPE.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

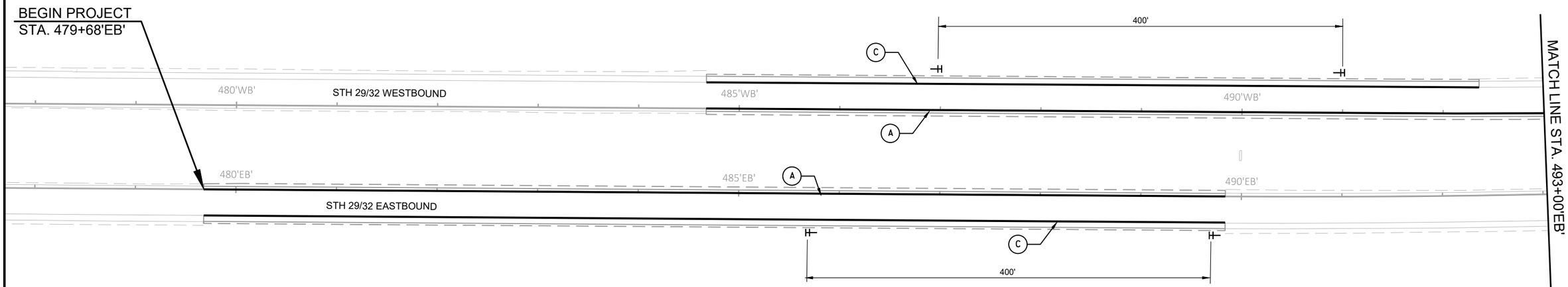
IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER NEC.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.



PROJECT NO: 9200-10-71	HWY: 29/32	COUNTY: Brown	CONSTRUCTION DETAIL- NER METER PEDESTAL INSTALLATION	SHEET 412 E

2



LEGEND

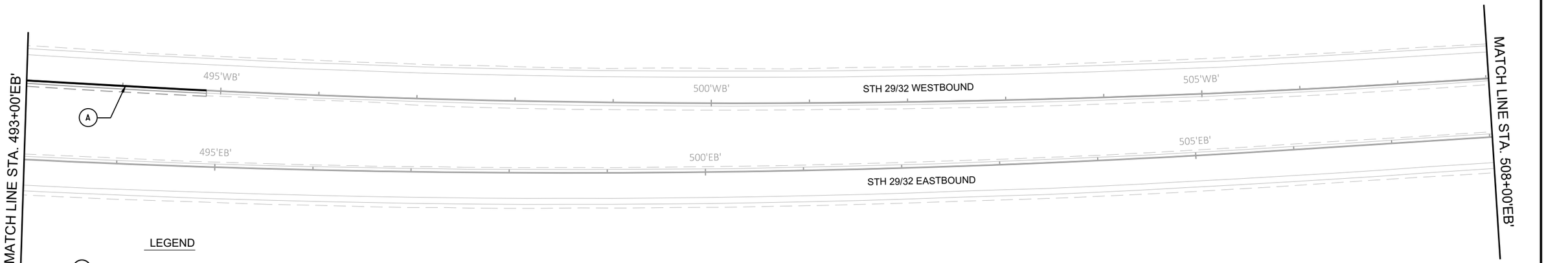
- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

LEGEND

⊢⊣ DELINEATOR

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING AND DELINEATORS- STH 29	SHEET 413	E

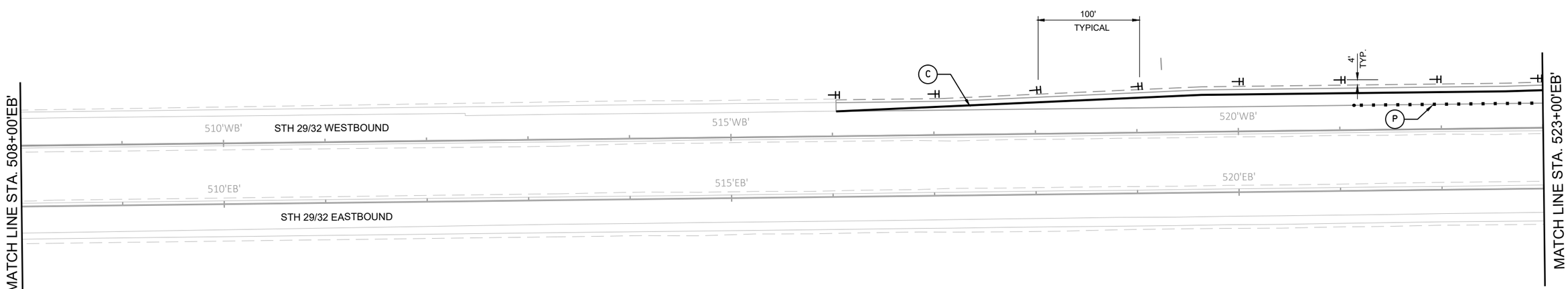
2



LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

2



LEGEND

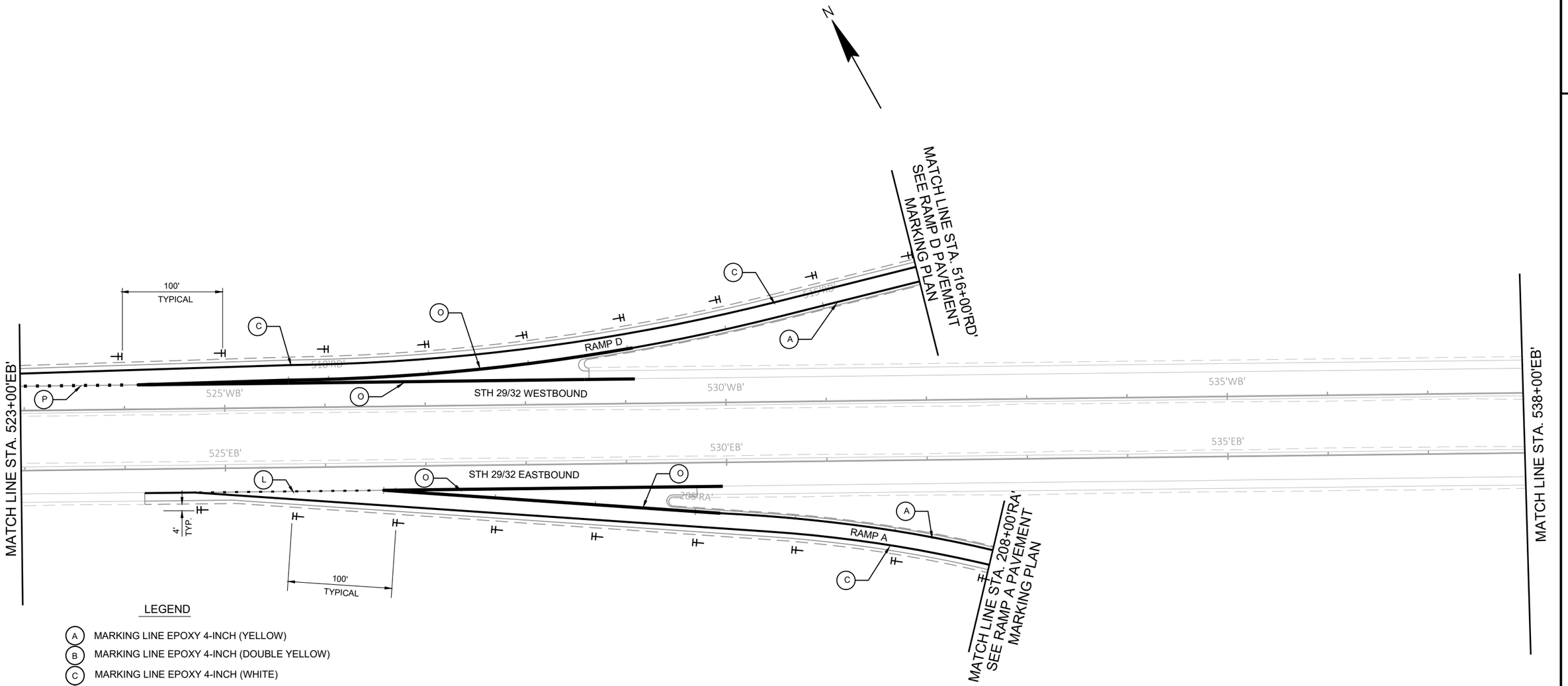
- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

LEGEND

DELINEATOR

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING AND DELINEATORS - STH 29	SHEET 415	E

2



LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

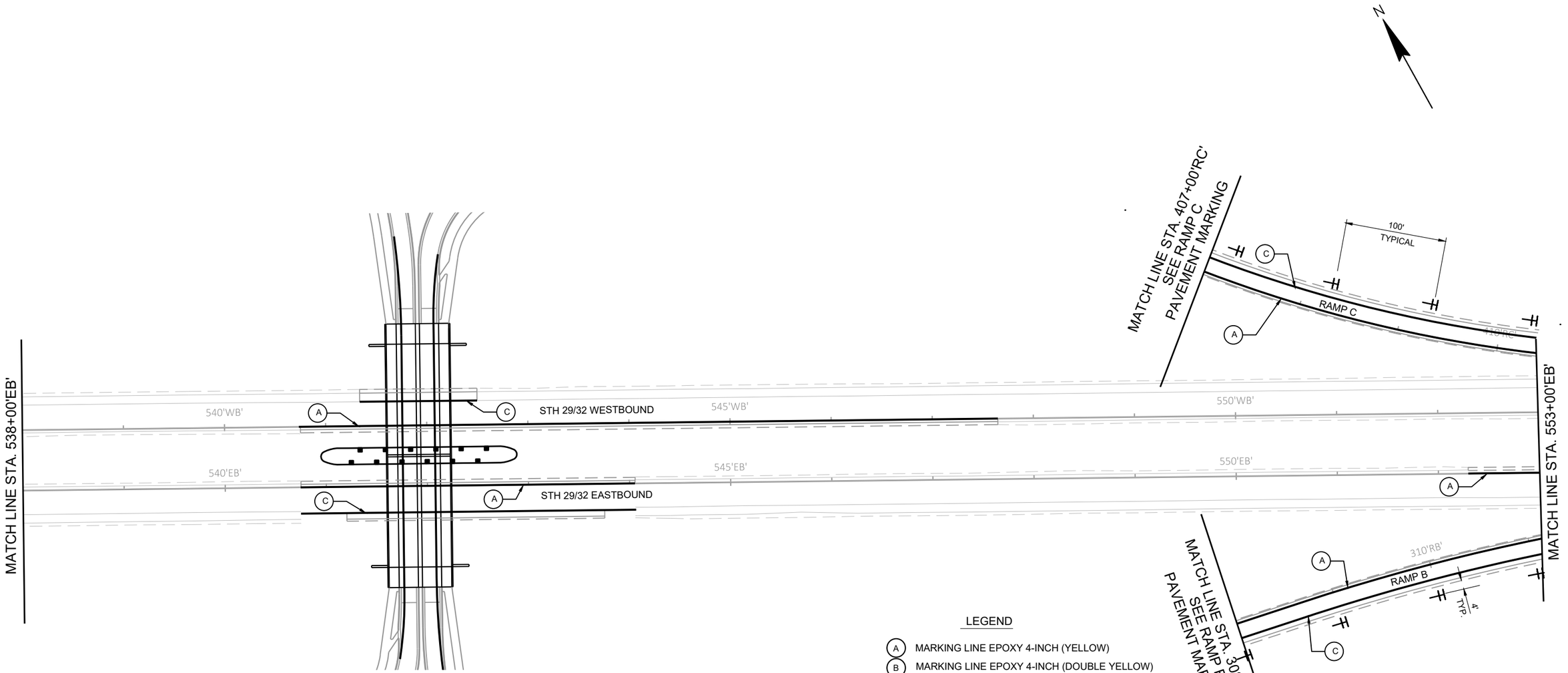
LEGEND

DELINEATOR

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING AND DELINEATORS - STH 29	SHEET 416	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024501 PMEB.DWG
LAYOUT NAME - 024504 pm
PLOT DATE : 6/30/2020 10:09 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2



LEGEND

DELINEATOR

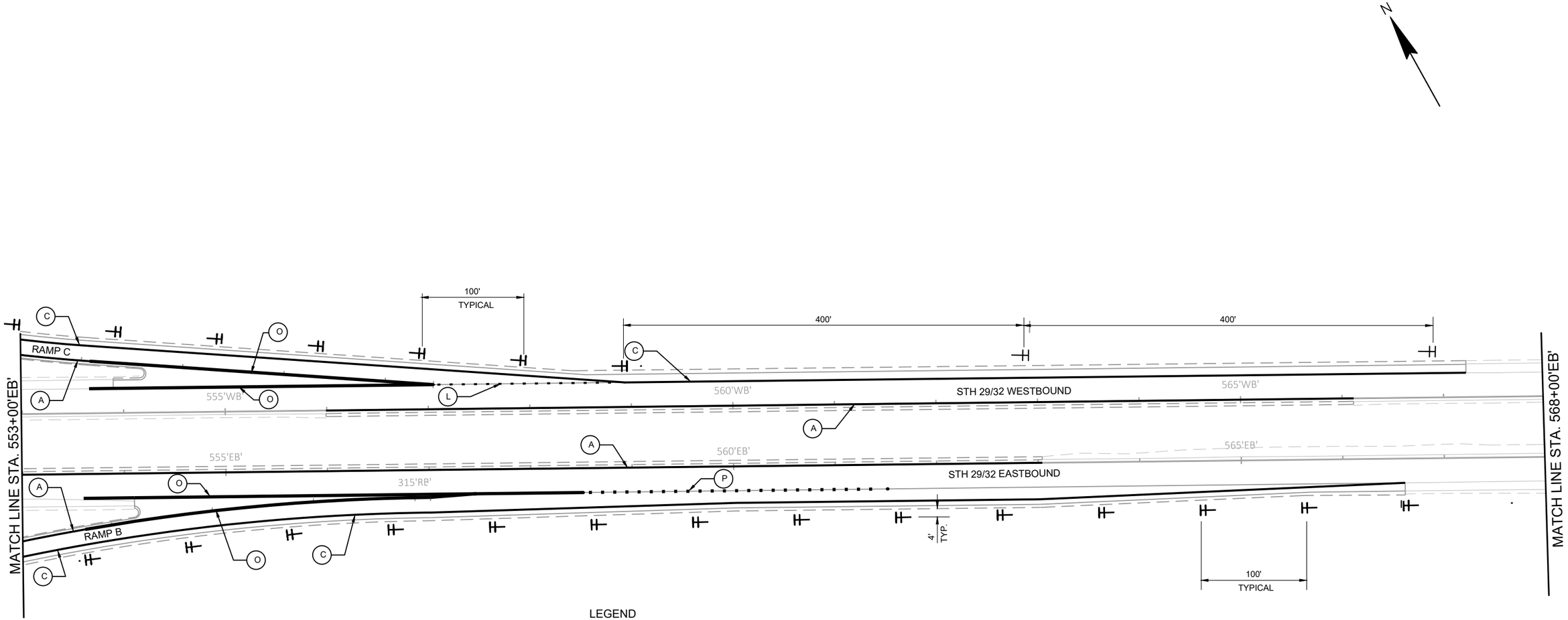
LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
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- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING AND DELINEATORS - STH 29	SHEET 417	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024501 PMEB.DWG
LAYOUT NAME - 024505 pm
PLOT DATE : 6/30/2020 10:09 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2



LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

LEGEND

DELINEATOR

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING - STH 29	SHEET 418	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024501 PMEB.DWG
LAYOUT NAME - 024506 pm

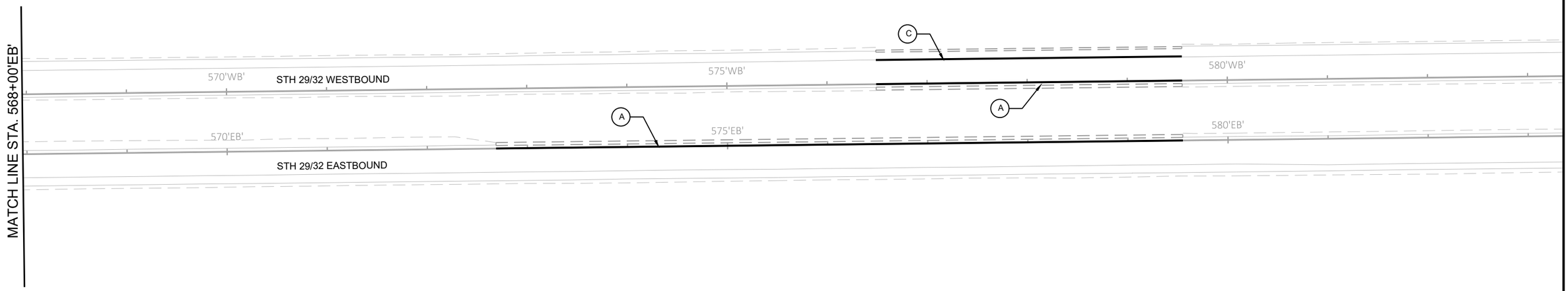
PLOT DATE : 6/30/2020 10:09 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : ##########

2

2

LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP



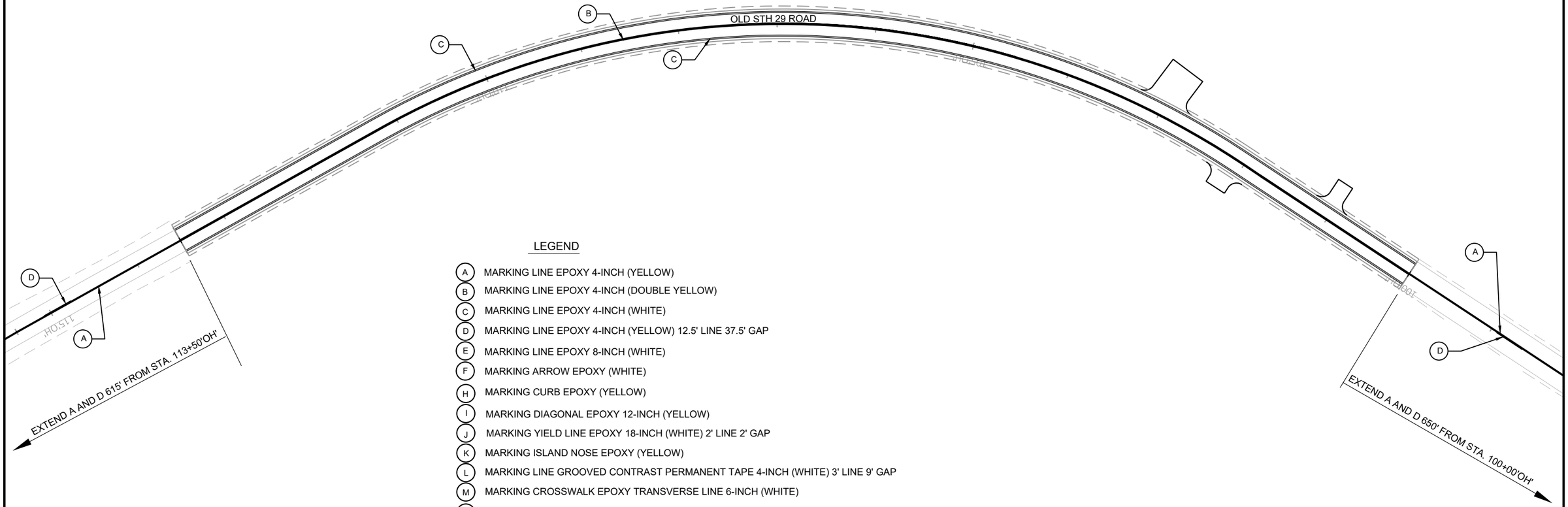
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING - STH 29	SHEET 419	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024501 PMEB.DWG
LAYOUT NAME - 024507 pm

PLOT DATE : 6/30/2020 10:09 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2



LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING - OLD STH 29 RD.	SHEET 420	E

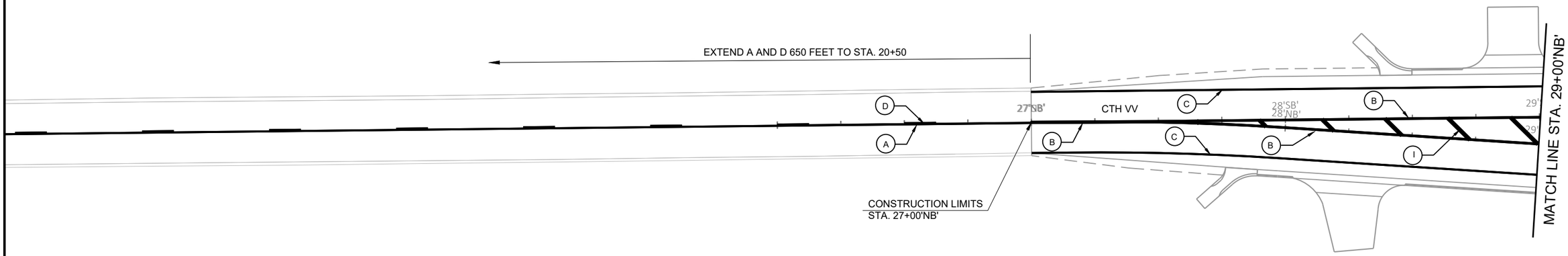
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024506-PMOH.DWG
LAYOUT NAME - 024508 pm
PLOT DATE : 6/30/2020 10:10 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING - CTH VV	SHEET 421	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024507-PMVV.DWG
LAYOUT NAME - 024509 pm

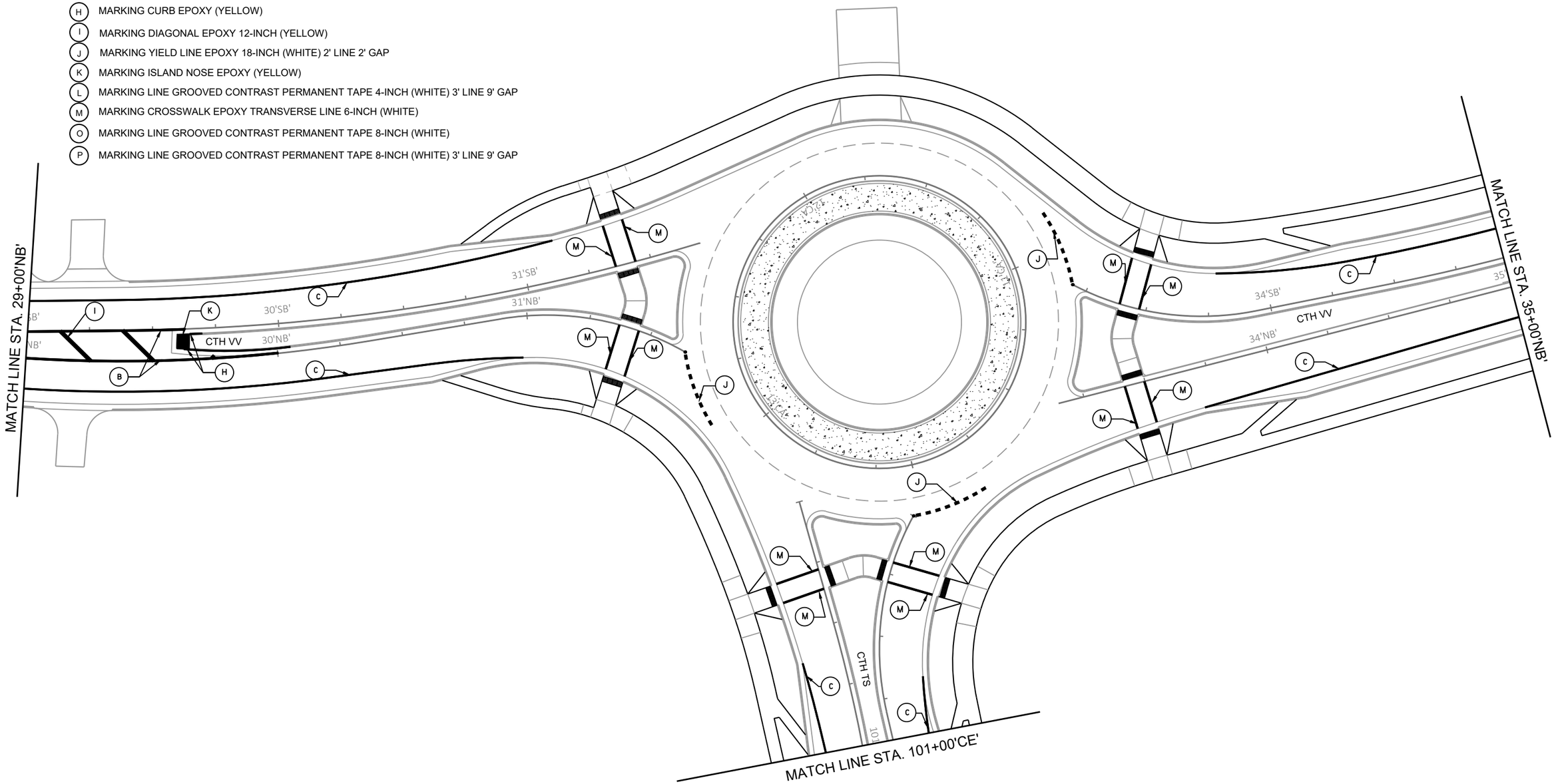
PLOT DATE : 6/30/2020 10:11 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP



2

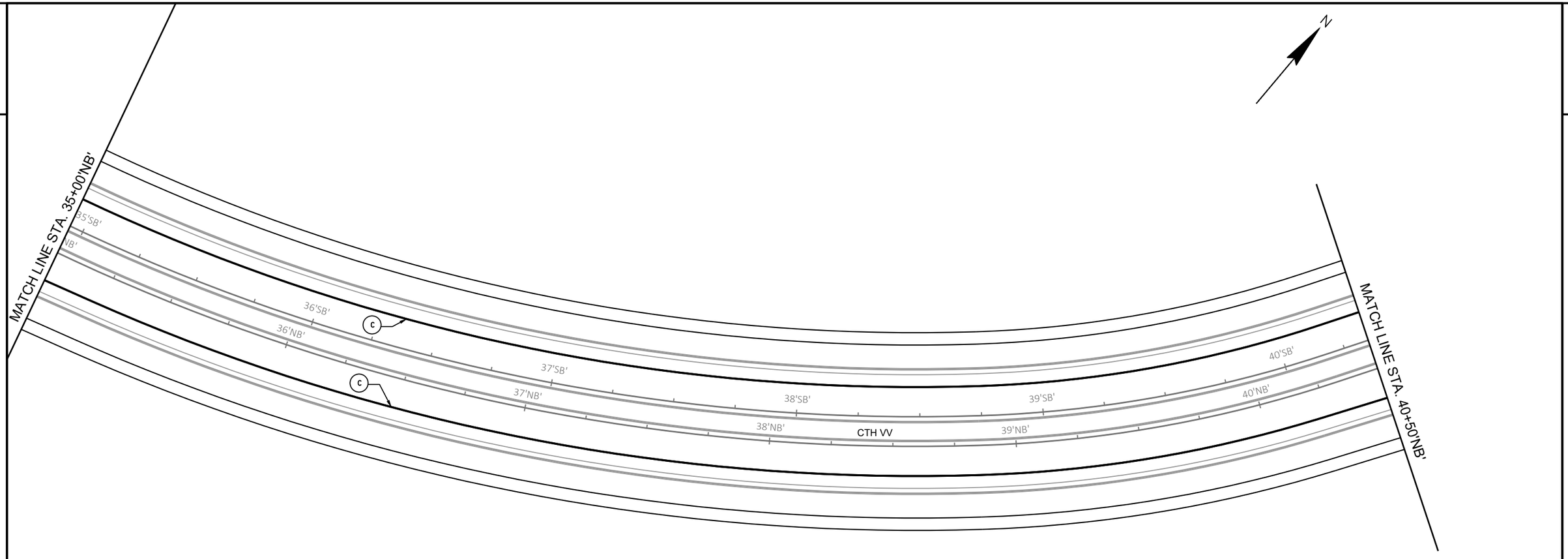
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING - CTH VV	SHEET 422	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024507-PMVV.DWG
LAYOUT NAME - 024510 pm

PLOT DATE : 6/30/2020 10:11 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

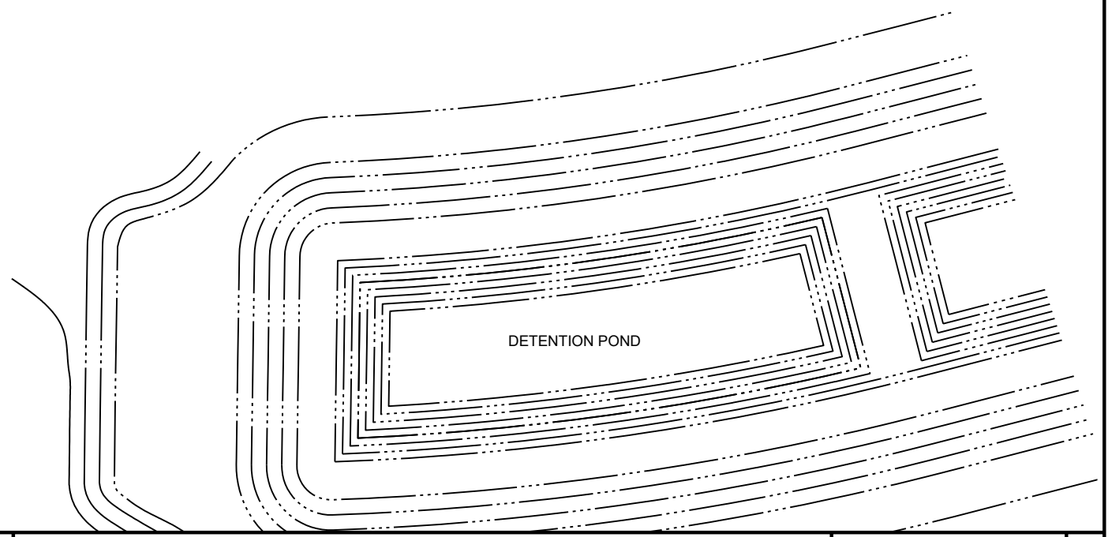
WISDOT/CADDS SHEET 42

2



LEGEND

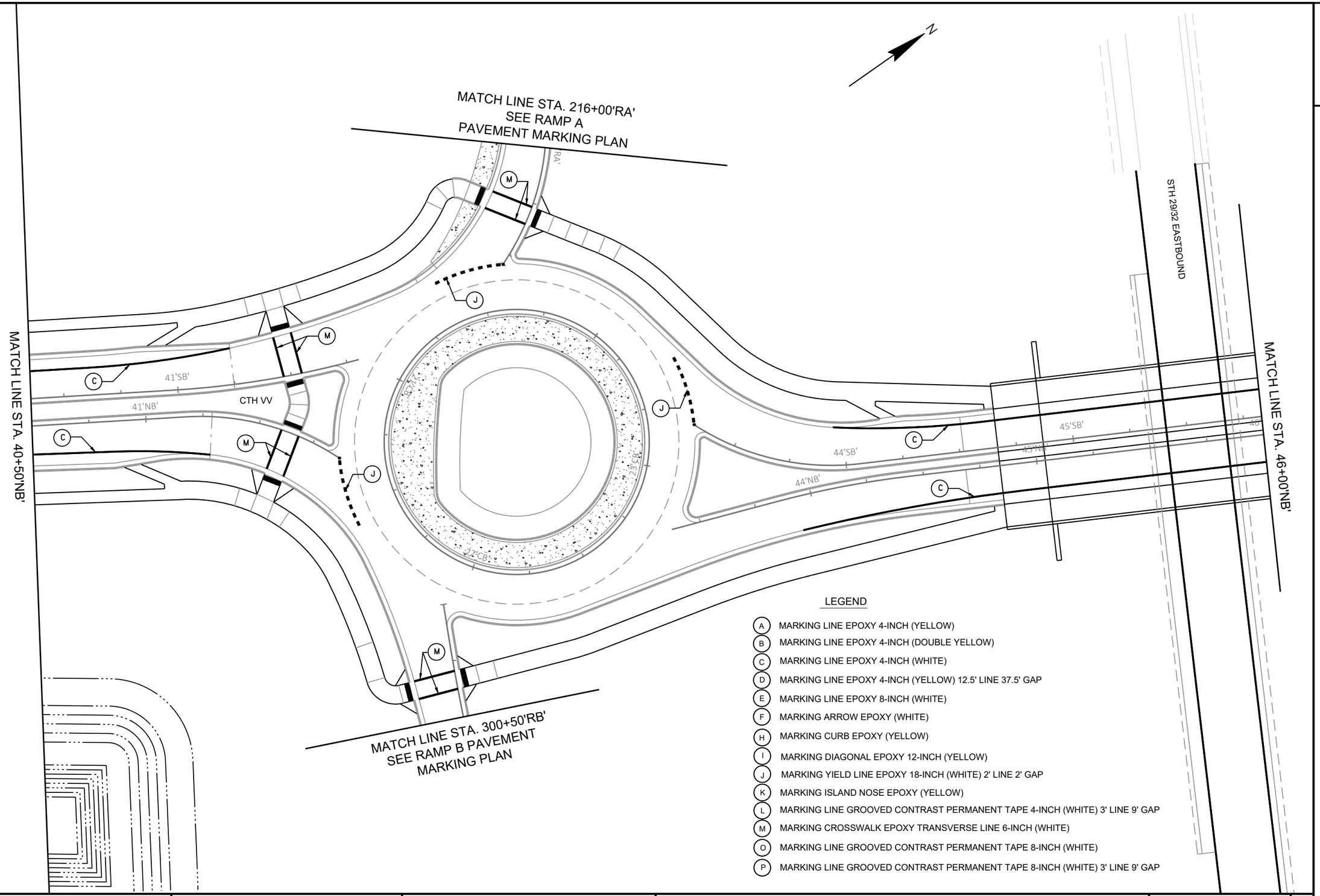
- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING - CTH VV	SHEET 423	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024507-PMVV.DWG
LAYOUT NAME - 024511 pm
PLOT DATE : 6/30/2020 10:11 AM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

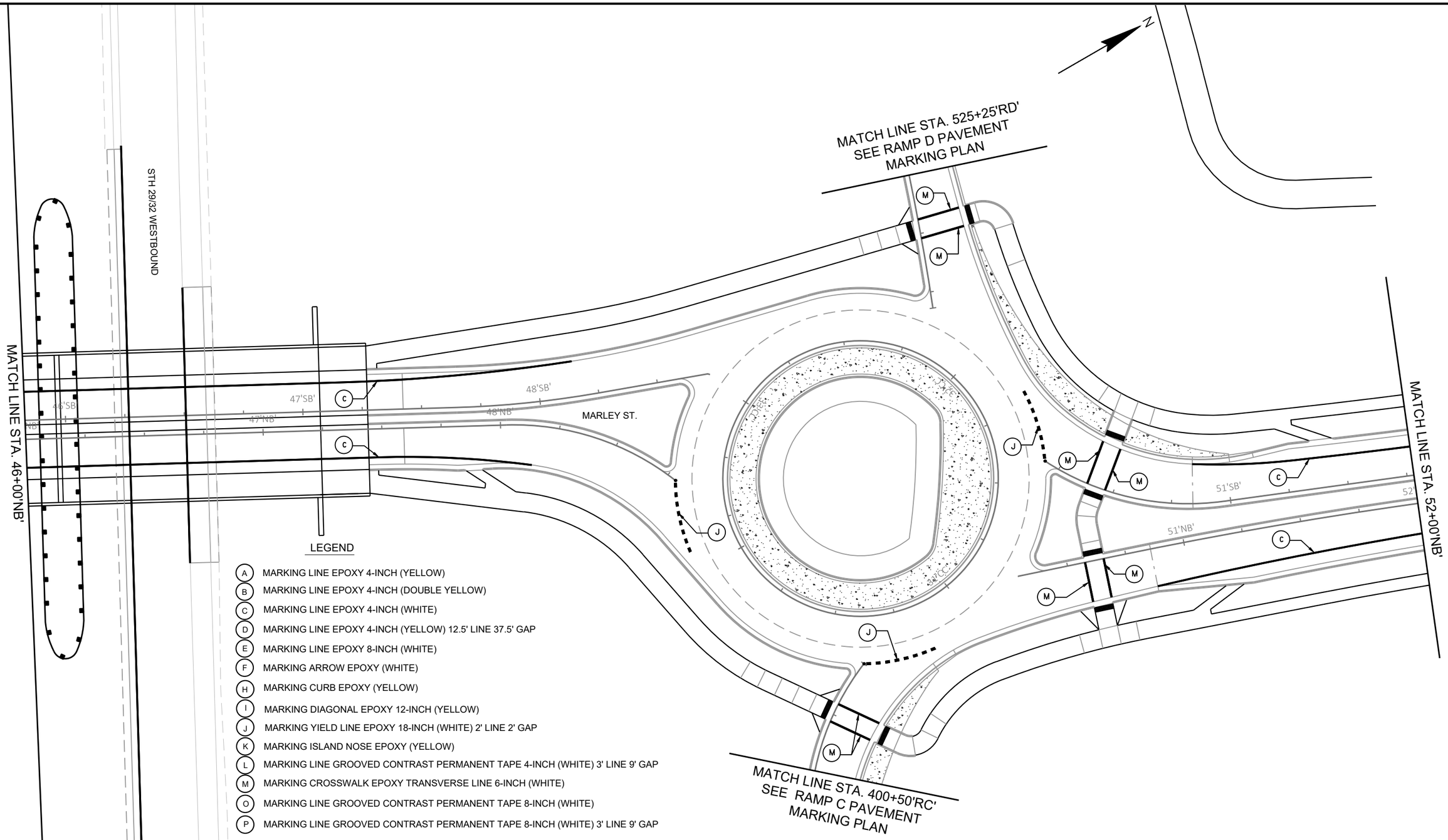


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MAKRING - CTH VV	SHEET 424	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024507-PMVV.DWG
LAYOUT NAME - 024512 pm

PLOT DATE : 6/30/2020 10:11 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



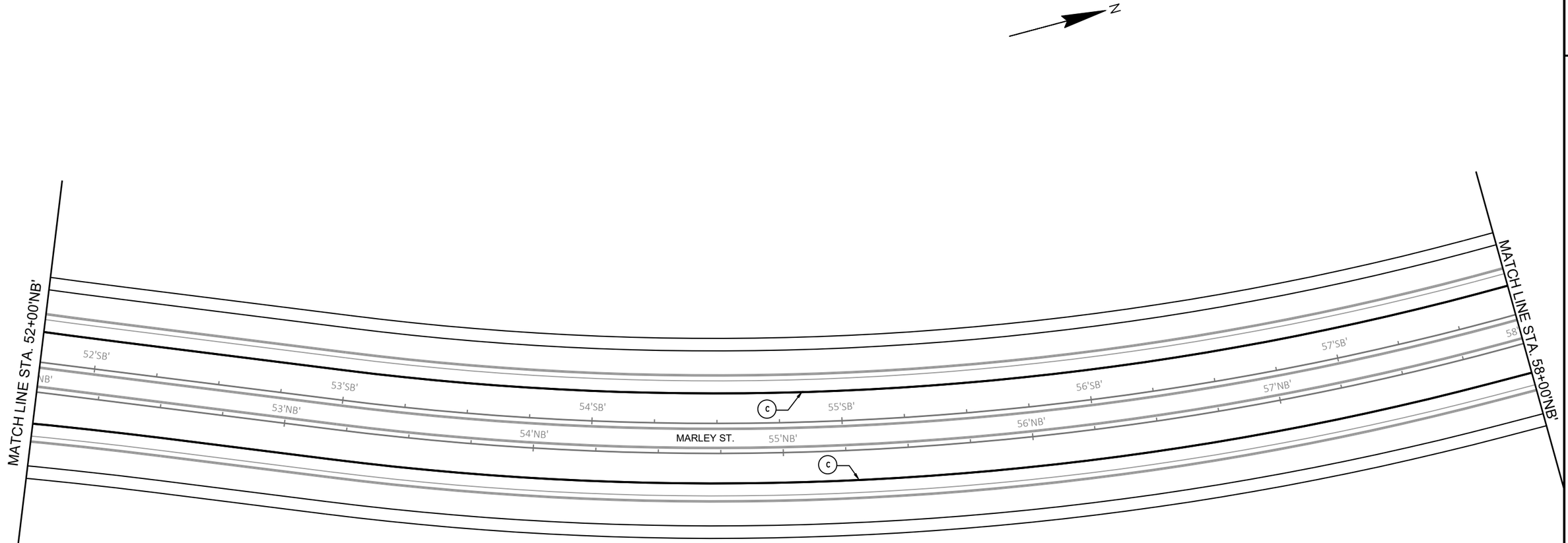
LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING - MARLEY ST.	SHEET 425	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024507-PMVV.DWG
LAYOUT NAME - 024513 pm
PLOT DATE : 6/30/2020 10:11 AM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING - MARLEY ST.	SHEET 426	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024507-PMVV.DWG
LAYOUT NAME - 024514 pm
PLOT DATE : 6/30/2020 10:11 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

MATCH LINE STA. 58+00'NB'

MARLEY ST.

58'SB'

59'SB'

59'NB'

62'SB'

63'SB'

62'NB'

63'NB'

MATCH LINE STA. 63+50'NB'

EVERGREEN AVE.

MATCH LINE STA. 601+00'EGE'
SEE EVERGREEN AVE.
PAVEMENT MARKING PLAN

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING - MARLEY ST.	SHEET 427	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024507-PMVV.DWG
LAYOUT NAME - 024515 pm

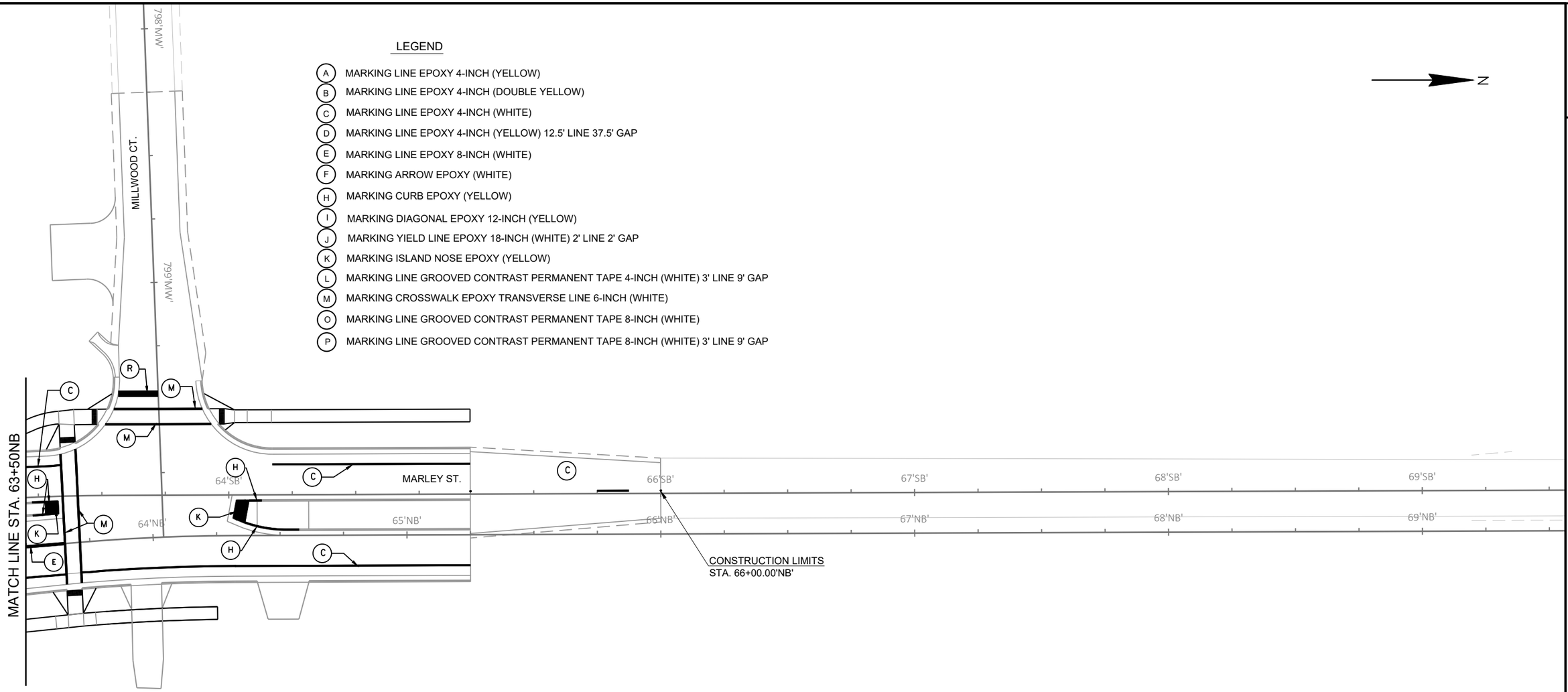
PLOT DATE : 6/30/2020 10:11 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

N

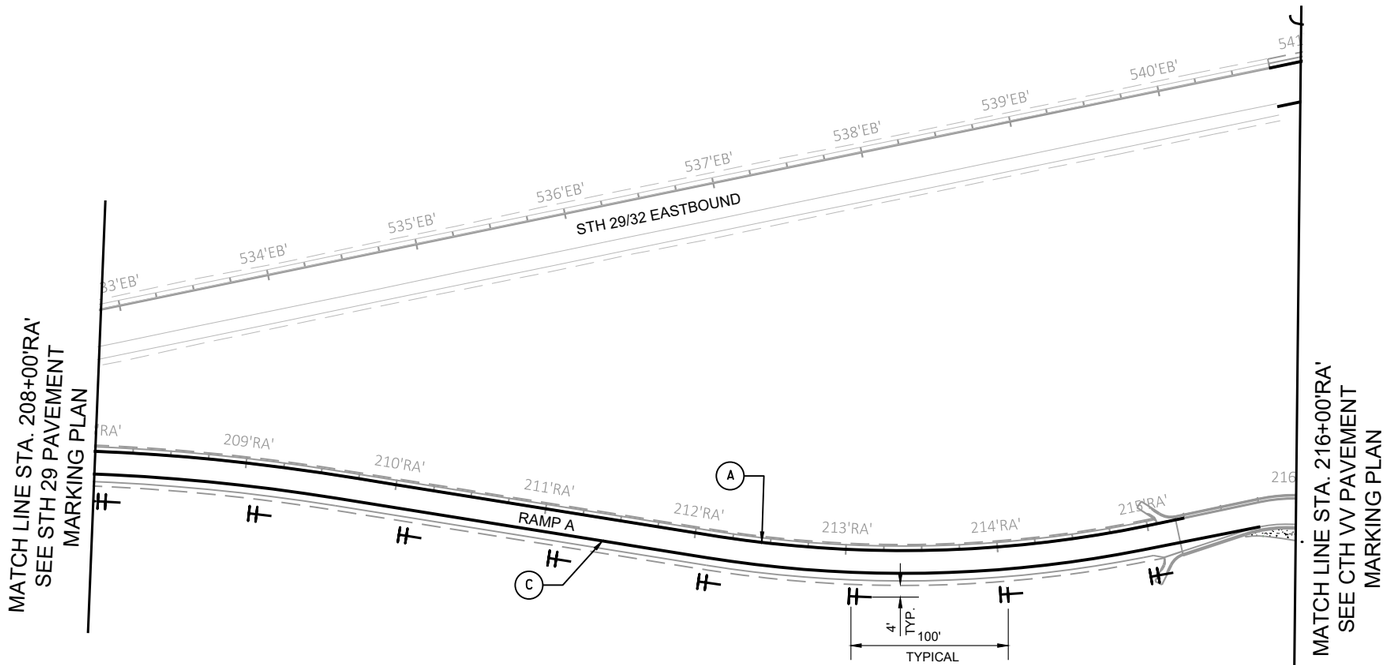


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING - MARLEY ST.	SHEET 428	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024507-PMVV.DWG
LAYOUT NAME - 024516 pm

PLOT DATE : 6/30/2020 10:11 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

LEGEND

DELINEATOR

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING AND DELINEATORS - RAMP A	SHEET 429	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024502-PMRA.DWG
LAYOUT NAME - 024517 pm
PLOT DATE : 6/30/2020 10:12 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

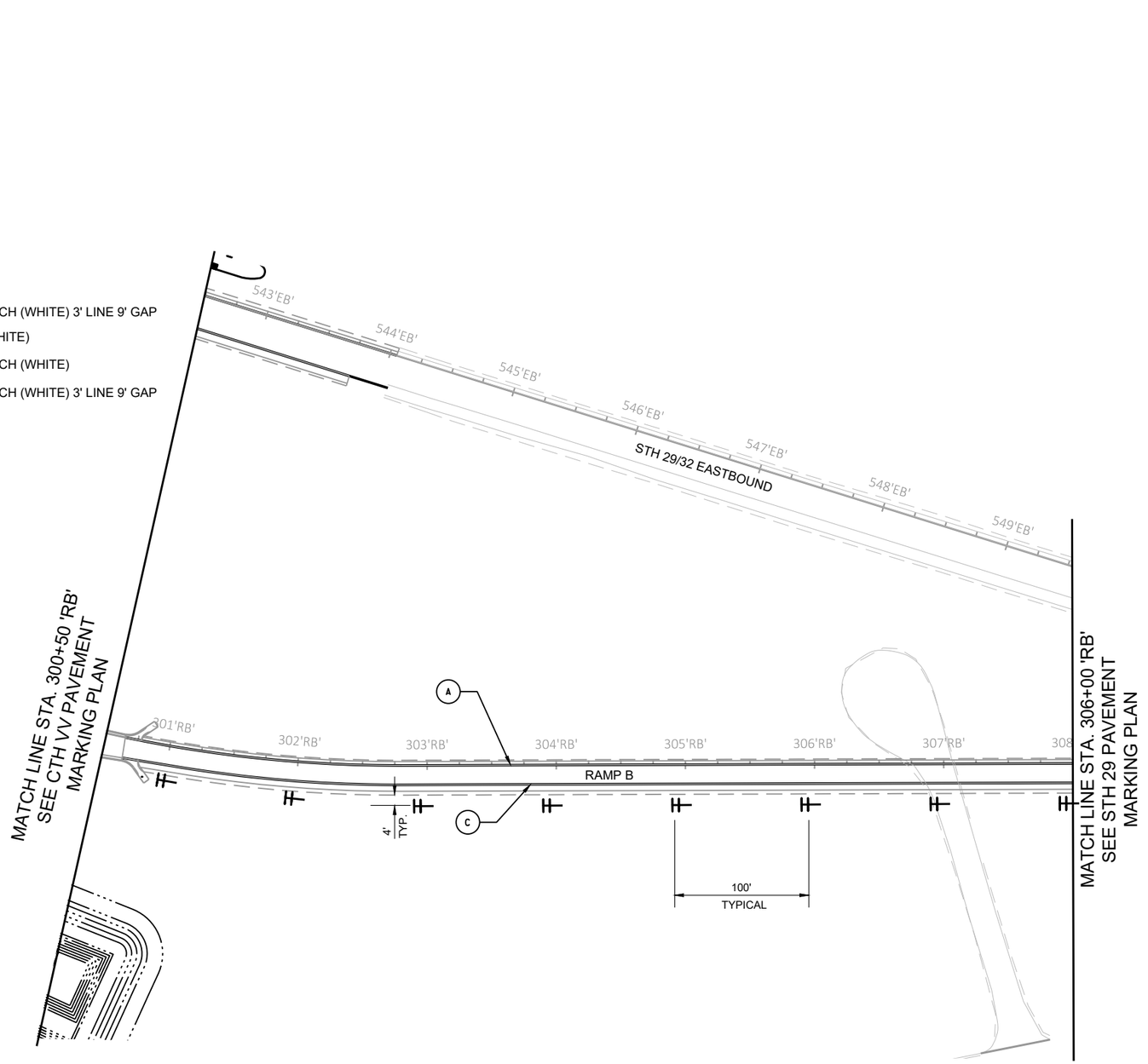
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LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

LEGEND

DELINEATOR



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING AND DELINEATORS - RAMP B	SHEET 430	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024503-PMRB.DWG
LAYOUT NAME - 024518 pm

PLOT DATE : 6/30/2020 10:13 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

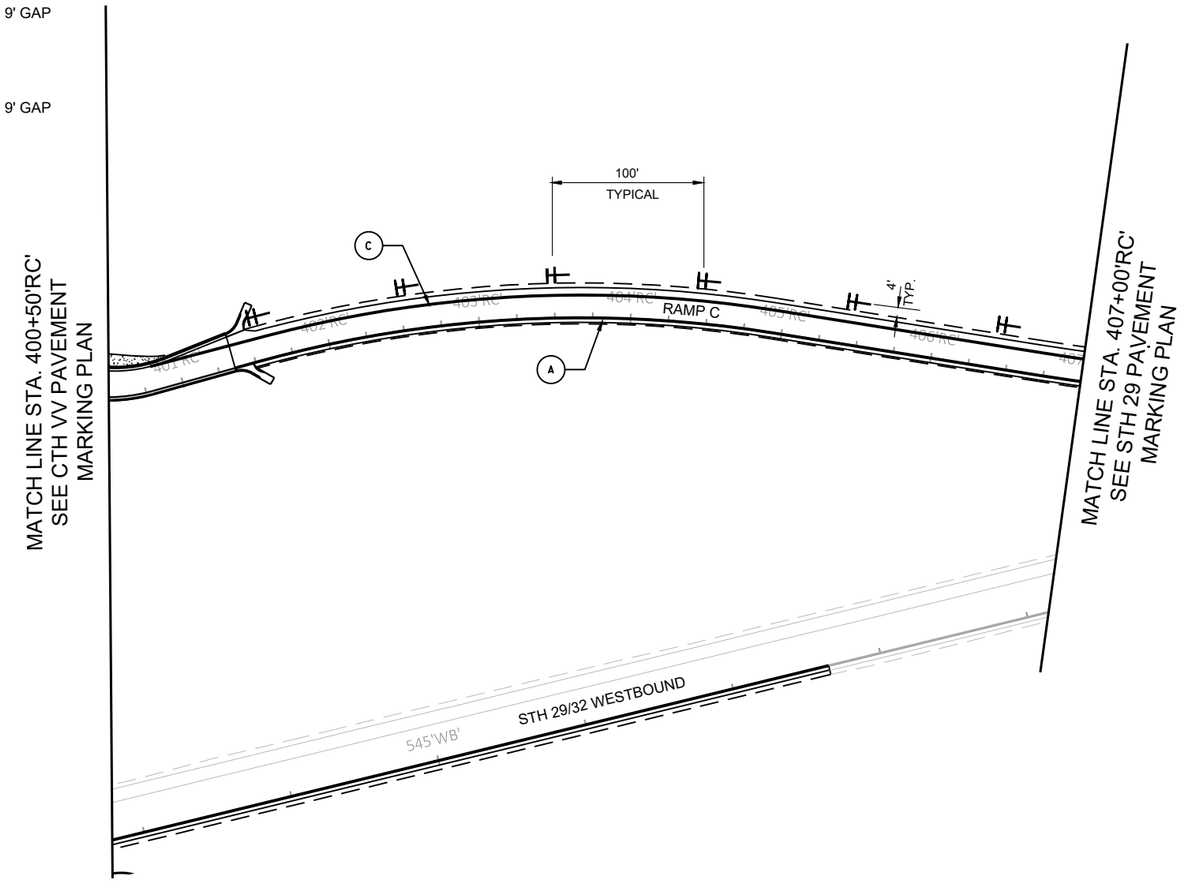
WISDOT/CADDS SHEET 42

LEGEND

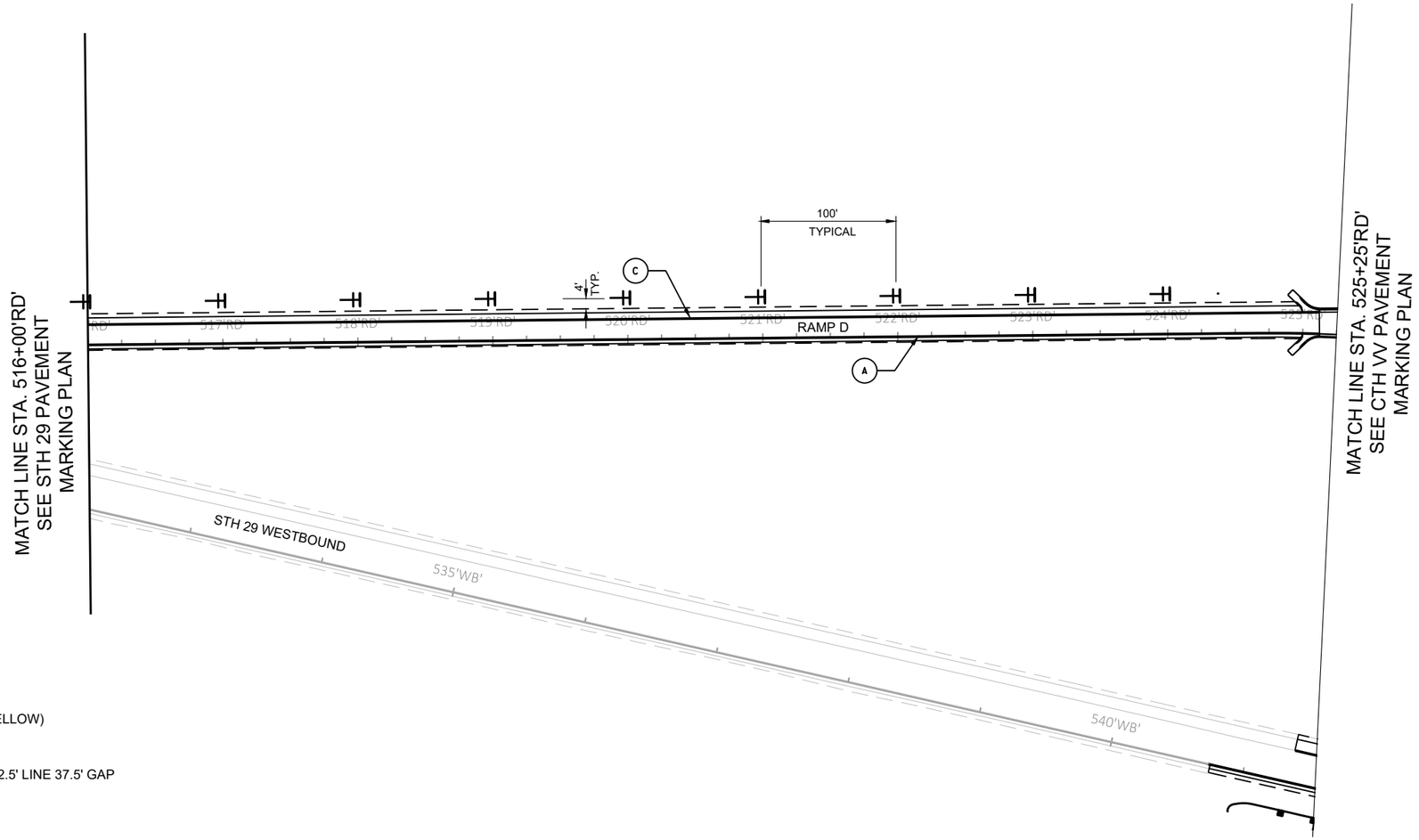
- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

LEGEND

DELINEATOR



2



LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

LEGEND

⊢ DELINEATOR

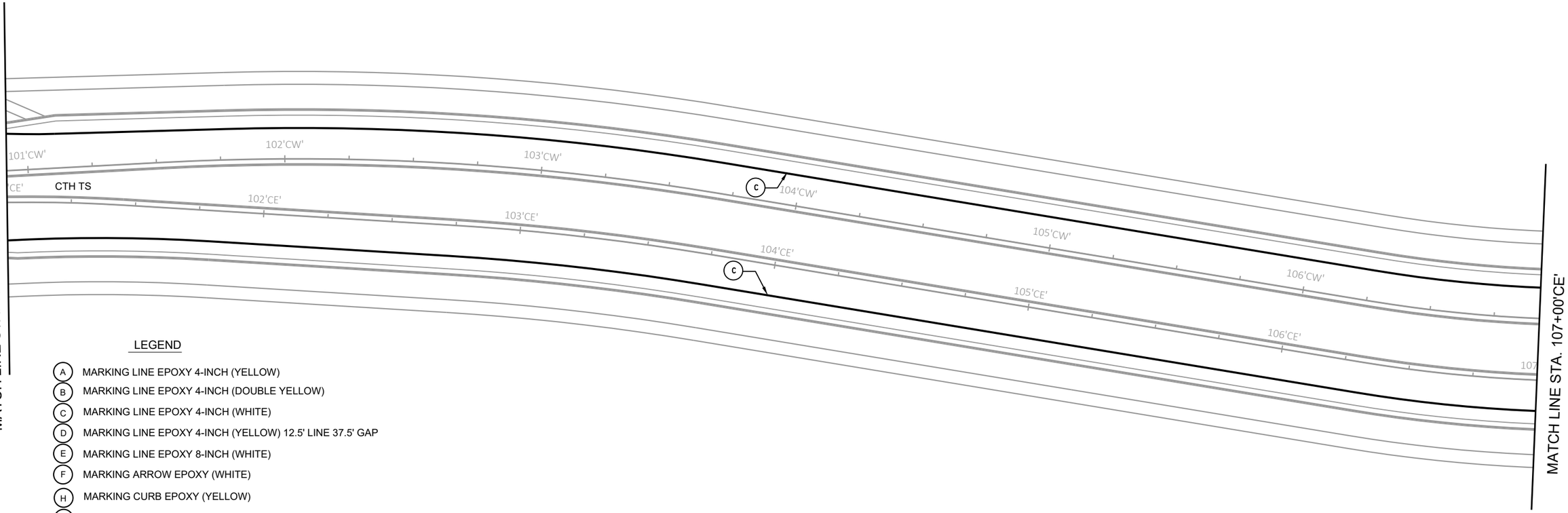
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING AND DELINEATORS - RAMP D	SHEET 432	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024505-PMRD.DWG
LAYOUT NAME - 024520 pm
PLOT DATE : 6/30/2020 10:14 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

N

MATCH LINE STA. 101+00'CE' SEE CTH VV PAVEMENT MARKING PLAN



MATCH LINE STA. 107+00'CE'

LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING - CTH TS	SHEET 433	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024508-PMCN.DWG
LAYOUT NAME - 024521 pm
PLOT DATE : 6/30/2020 10:14 AM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA. 107+00'CE'

MATCH LINE STA. 113+00'CE'

CTH TS

N

107'CW'

108'CW'

109'CW'

110'CW'

111'CW'

112'CW'

108'CE'

109'CE'

110'CE'

111'CE'

112'CE'

C

C

LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING - CTH TS	SHEET 434	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024508-PMCN.DWG
LAYOUT NAME - 024522 pm

PLOT DATE : 6/30/2020 10:15 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

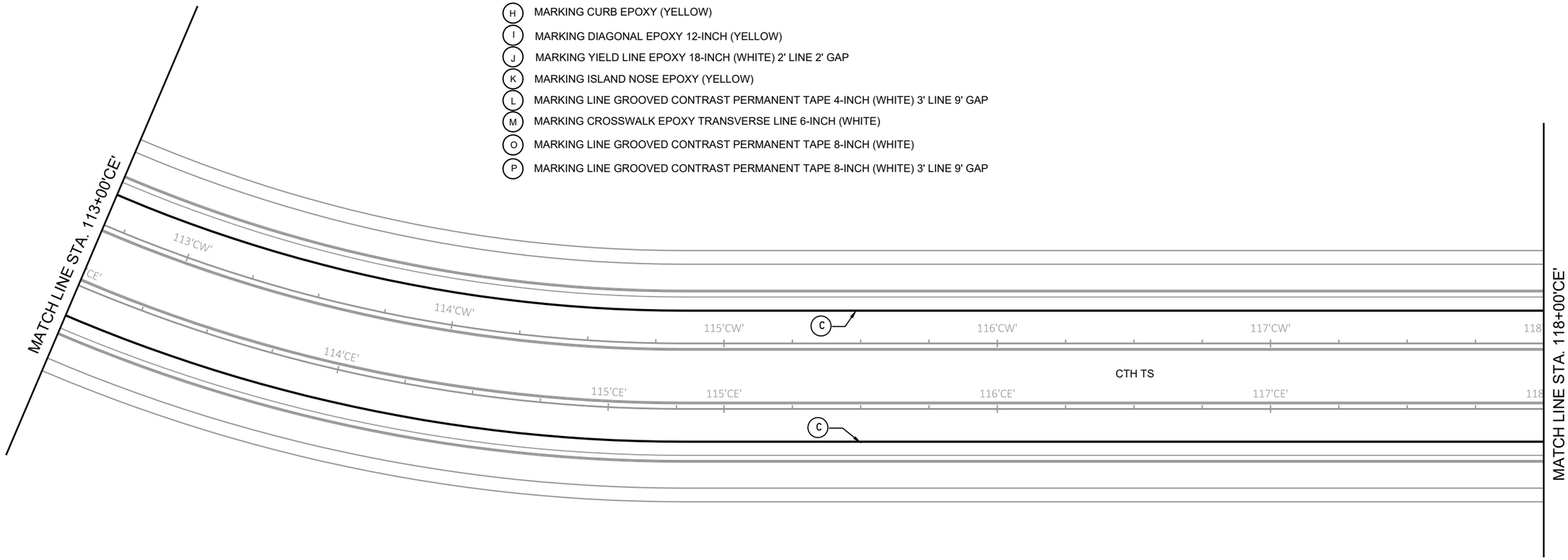
2

2

LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

N



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING - CTH TS	SHEET 435	E

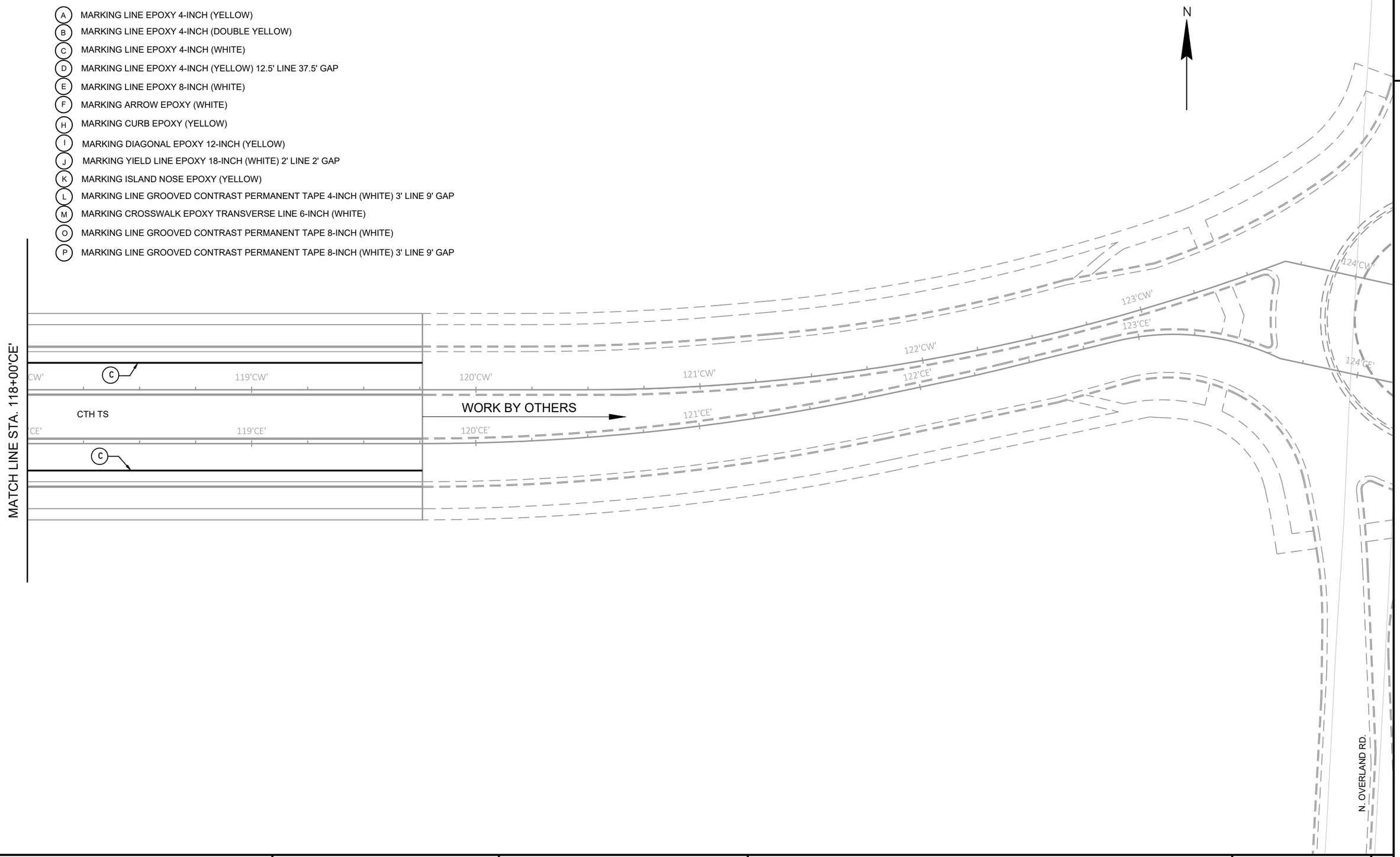
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024508-PMCN.DWG
LAYOUT NAME - 024523 pm

PLOT DATE : 6/30/2020 10:15 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING - CTH TS	SHEET 436	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024508-PMCN.DWG
LAYOUT NAME - 024524 pm

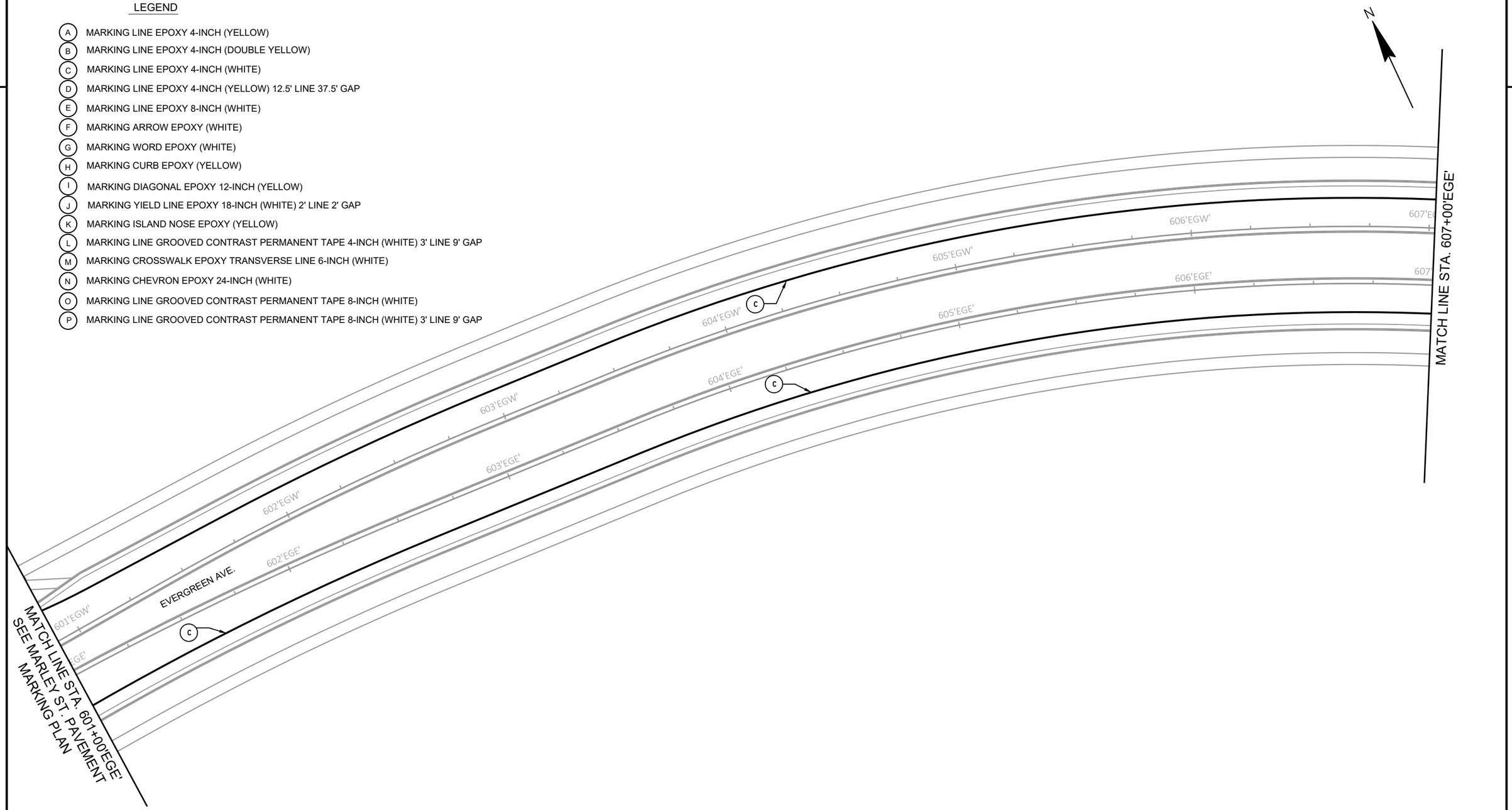
PLOT DATE : 6/30/2020 10:15 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (G) MARKING WORD EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (N) MARKING CHEVRON EPOXY 24-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING - EVERGREEN AVE.	SHEET 437	E

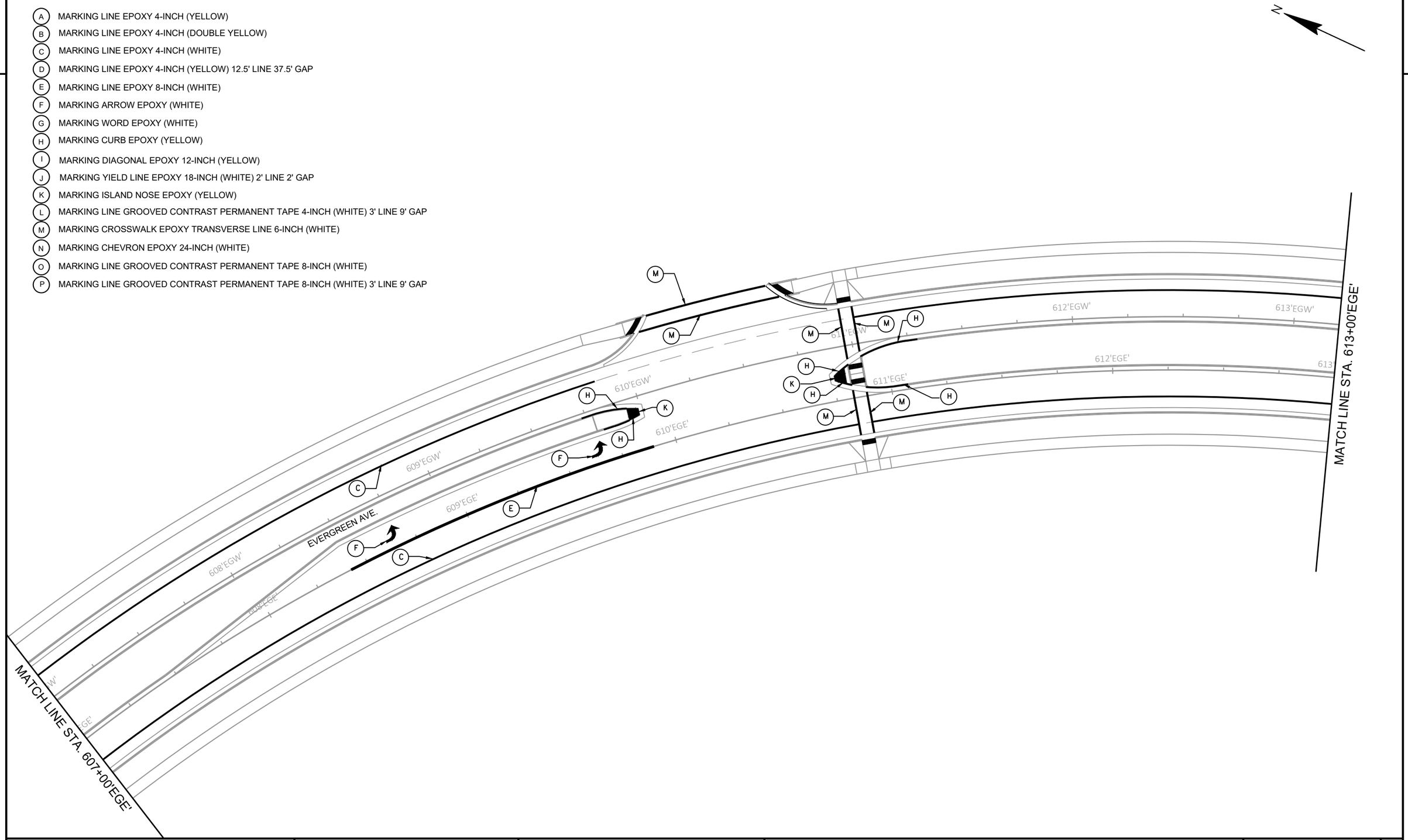
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LAYOUT NAME - 024525 pm
PLOT DATE : 6/30/2020 10:15 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (G) MARKING WORD EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (N) MARKING CHEVRON EPOXY 24-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING - EVERGREEN AVE.	SHEET 438	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024509-PMEG.DWG
LAYOUT NAME - 024526 pm

PLOT DATE : 6/30/2020 10:15 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE STA. 613+00'EGE'

MATCH LINE STA. 619+00'EGE'

614'EGW' 615'EGW' 616'EGW' 617'EGW' 618'EGW' 619'EGW'

C

EVERGREEN AVE.

614'EGE' 615'EGE' 616'EGE' 617'EGE' 618'EGE' 619'

C

LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (G) MARKING WORD EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (N) MARKING CHEVRON EPOXY 24-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

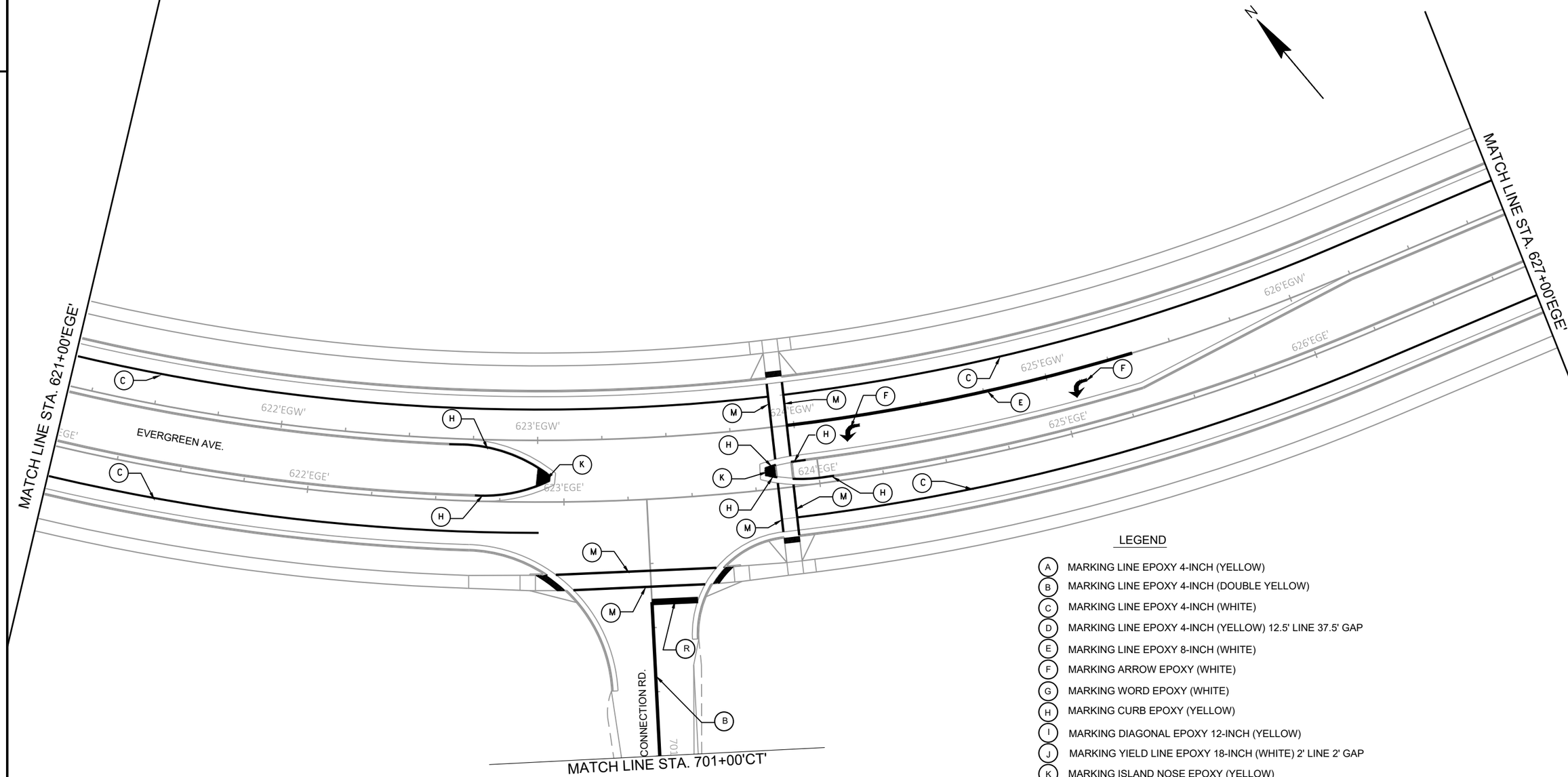
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING - EVERGREEN AVE.	SHEET 439	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024509-PMEG.DWG
LAYOUT NAME - 024527 pm

PLOT DATE : 6/30/2020 10:15 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (G) MARKING WORD EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (N) MARKING CHEVRON EPOXY 24-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP
- (R) MARKING STOP LINE EPOXY 18-INCH (WHITE)

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING - EVERGREEN AVE.	SHEET 440	E

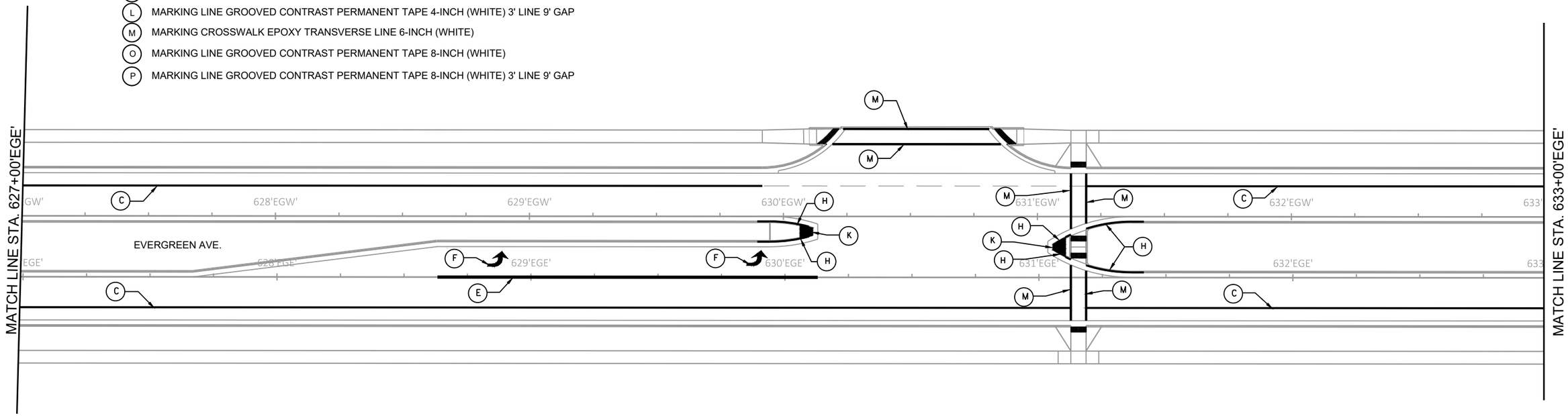
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024509-PMEG.DWG
LAYOUT NAME - 024528 pm
PLOT DATE : 6/30/2020 10:15 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

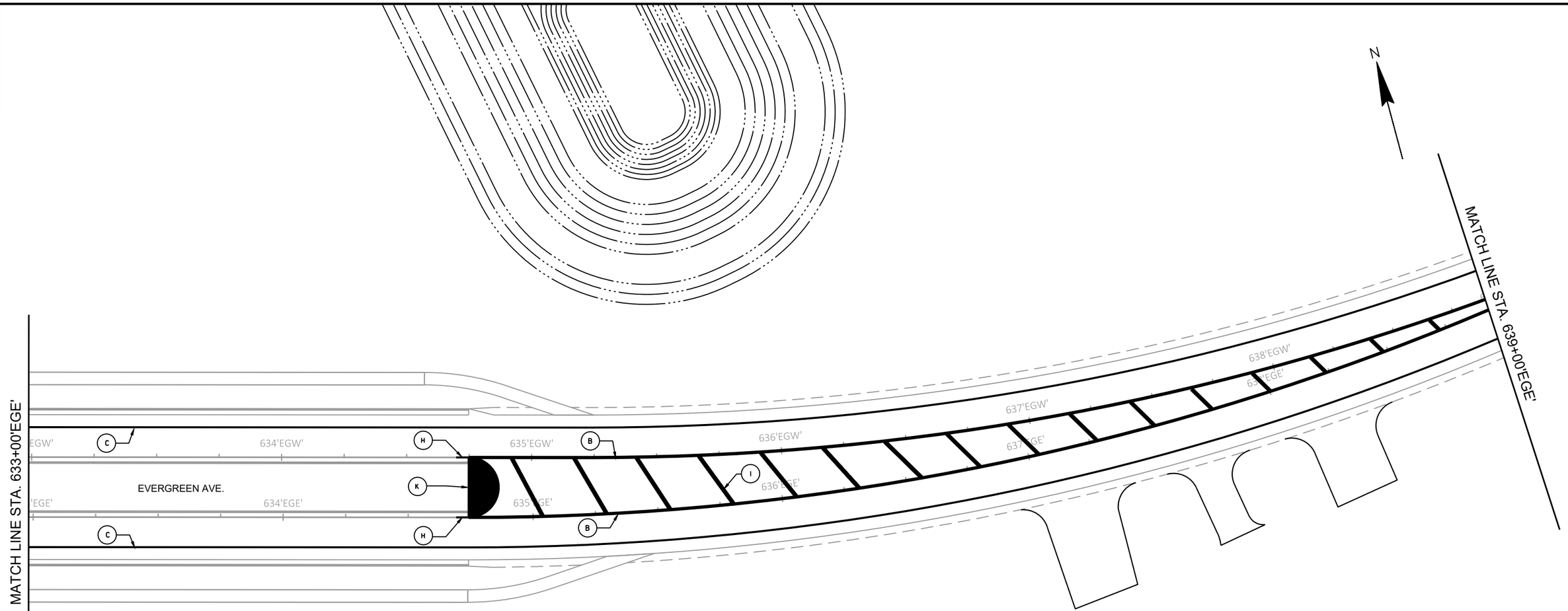


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING - EVERGREEN AVE.	SHEET 441	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024509-PMEG.DWG
LAYOUT NAME - 024529 pm

PLOT DATE : 6/30/2020 10:15 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : Custom

2



LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING - EVERGREEN AVE.	SHEET 442	E

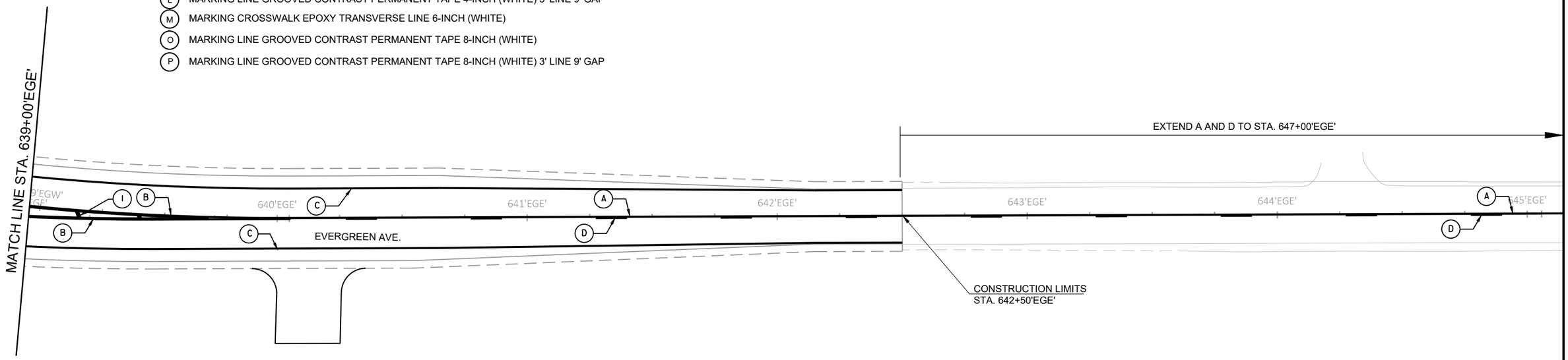
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024509-PMEG.DWG
LAYOUT NAME - 024530 pm
PLOT DATE : 6/30/2020 10:15 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : Custom
WISDOT/CADDS SHEET 42

2

LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

N

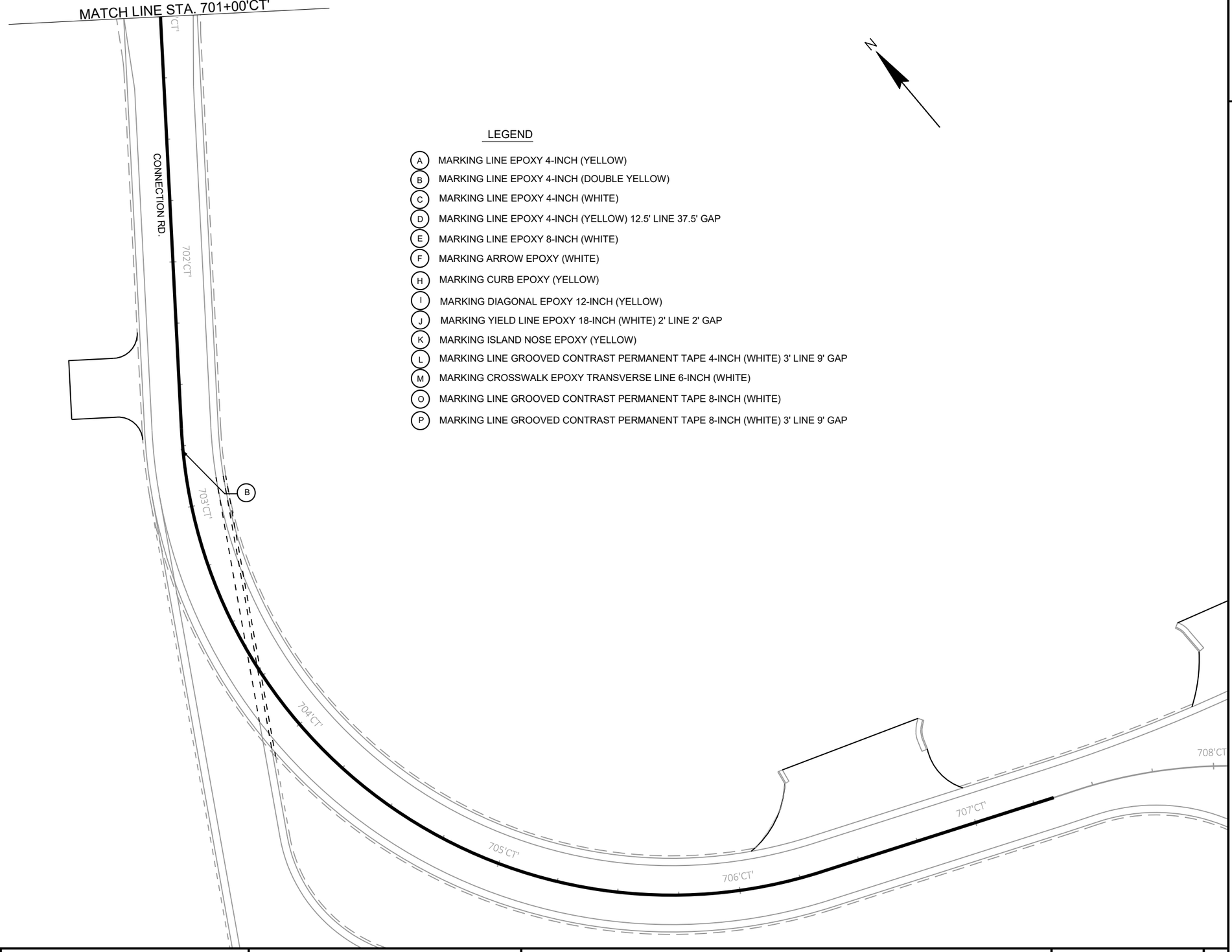


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING - EVERGREEN AVE.	SHEET 443	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\024509-PMEG.DWG
LAYOUT NAME - 024531 pm

PLOT DATE : 6/30/2020 10:15 AM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

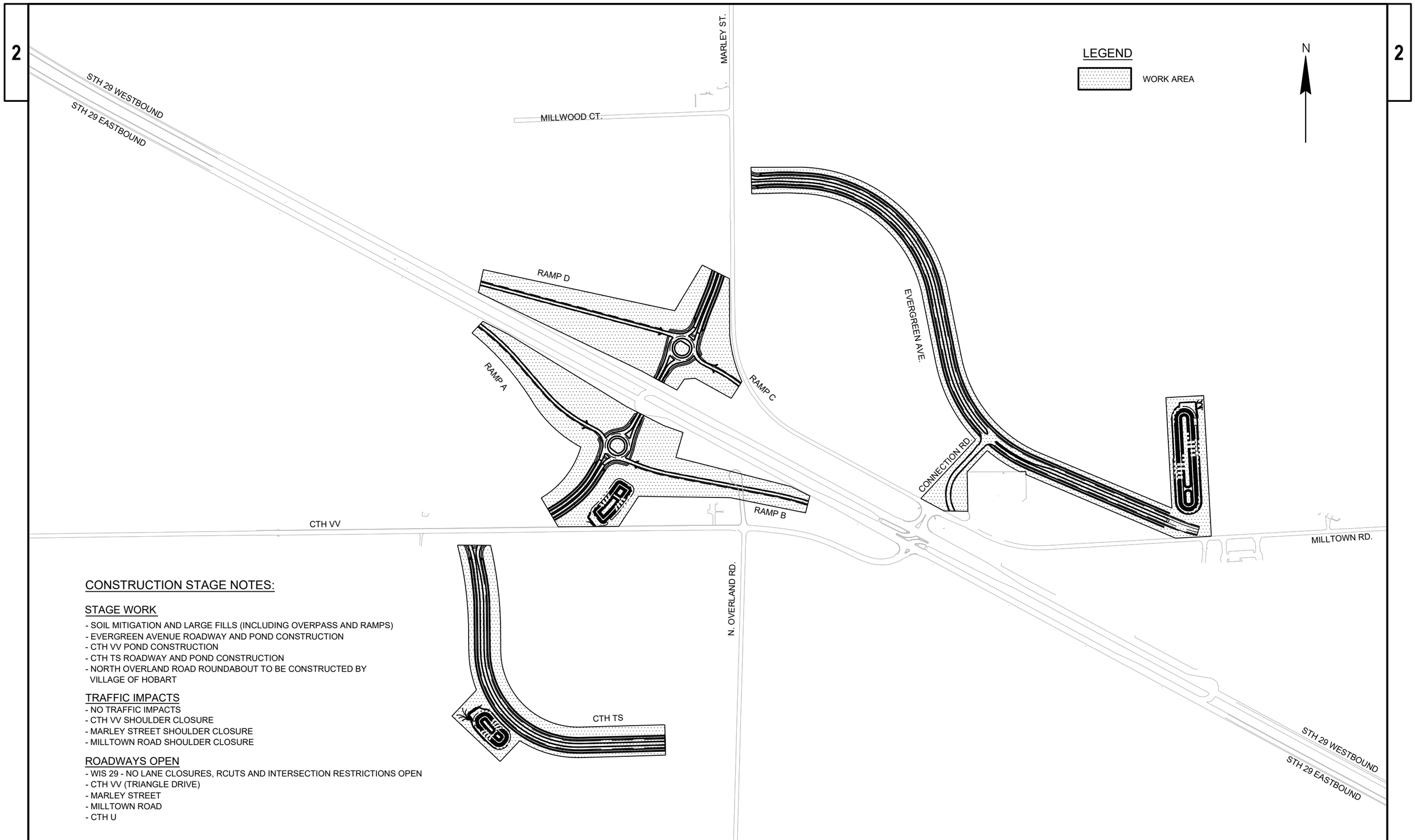
WISDOT/CADDS SHEET 42



LEGEND

- (A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (C) MARKING LINE EPOXY 4-INCH (WHITE)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) 12.5' LINE 37.5' GAP
- (E) MARKING LINE EPOXY 8-INCH (WHITE)
- (F) MARKING ARROW EPOXY (WHITE)
- (H) MARKING CURB EPOXY (YELLOW)
- (I) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (J) MARKING YIELD LINE EPOXY 18-INCH (WHITE) 2' LINE 2' GAP
- (K) MARKING ISLAND NOSE EPOXY (YELLOW)
- (L) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (WHITE) 3' LINE 9' GAP
- (M) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (O) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- (P) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE) 3' LINE 9' GAP

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PAVEMENT MARKING - CONNECTION ROAD	SHEET 444	E



CONSTRUCTION STAGE NOTES:

STAGE WORK

- SOIL MITIGATION AND LARGE FILLS (INCLUDING OVERPASS AND RAMPS)
- EVERGREEN AVENUE ROADWAY AND POND CONSTRUCTION
- CTH VV POND CONSTRUCTION
- CTH TS ROADWAY AND POND CONSTRUCTION
- NORTH OVERLAND ROAD ROUNDABOUT TO BE CONSTRUCTED BY VILLAGE OF HOBART

TRAFFIC IMPACTS

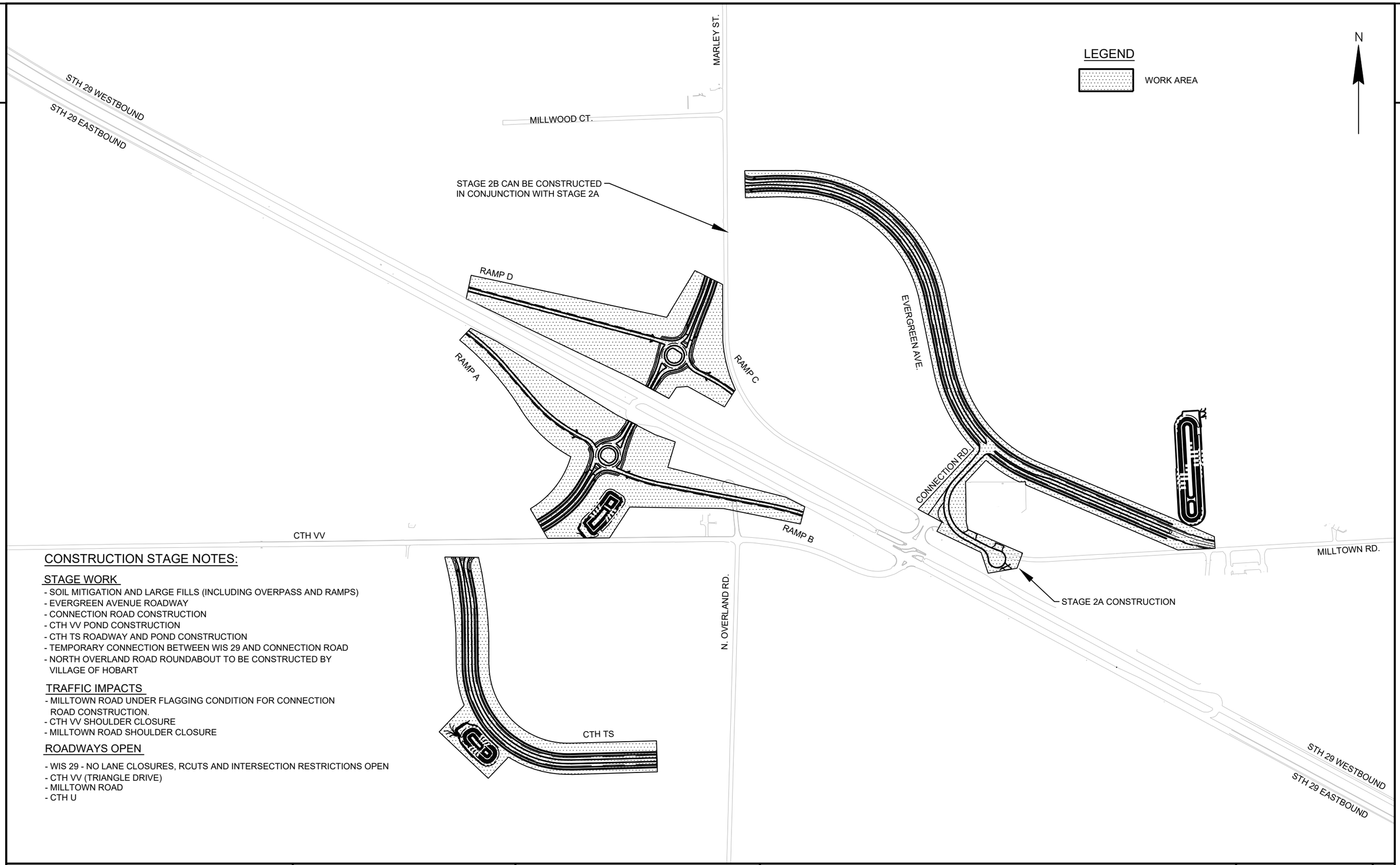
- NO TRAFFIC IMPACTS
- CTH VV SHOULDER CLOSURE
- MARLEY STREET SHOULDER CLOSURE
- MILLTOWN ROAD SHOULDER CLOSURE

ROADWAYS OPEN

- WIS 29 - NO LANE CLOSURES, RCUTS AND INTERSECTION RESTRICTIONS OPEN
- CTH VV (TRIANGLE DRIVE)
- MARLEY STREET
- MILLTOWN ROAD
- CTH U

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 1	SHEET 445	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\026001 S1.DWG
LAYOUT NAME - 026001 S1
PLOT DATE : 4/28/2020 10:38 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42



CONSTRUCTION STAGE NOTES:

STAGE WORK

- SOIL MITIGATION AND LARGE FILLS (INCLUDING OVERPASS AND RAMPS)
- EVERGREEN AVENUE ROADWAY
- CONNECTION ROAD CONSTRUCTION
- CTH VV POND CONSTRUCTION
- CTH TS ROADWAY AND POND CONSTRUCTION
- TEMPORARY CONNECTION BETWEEN WIS 29 AND CONNECTION ROAD
- NORTH OVERLAND ROAD ROUNDABOUT TO BE CONSTRUCTED BY VILLAGE OF HOBART

TRAFFIC IMPACTS

- MILLTOWN ROAD UNDER FLAGGING CONDITION FOR CONNECTION ROAD CONSTRUCTION.
- CTH VV SHOULDER CLOSURE
- MILLTOWN ROAD SHOULDER CLOSURE

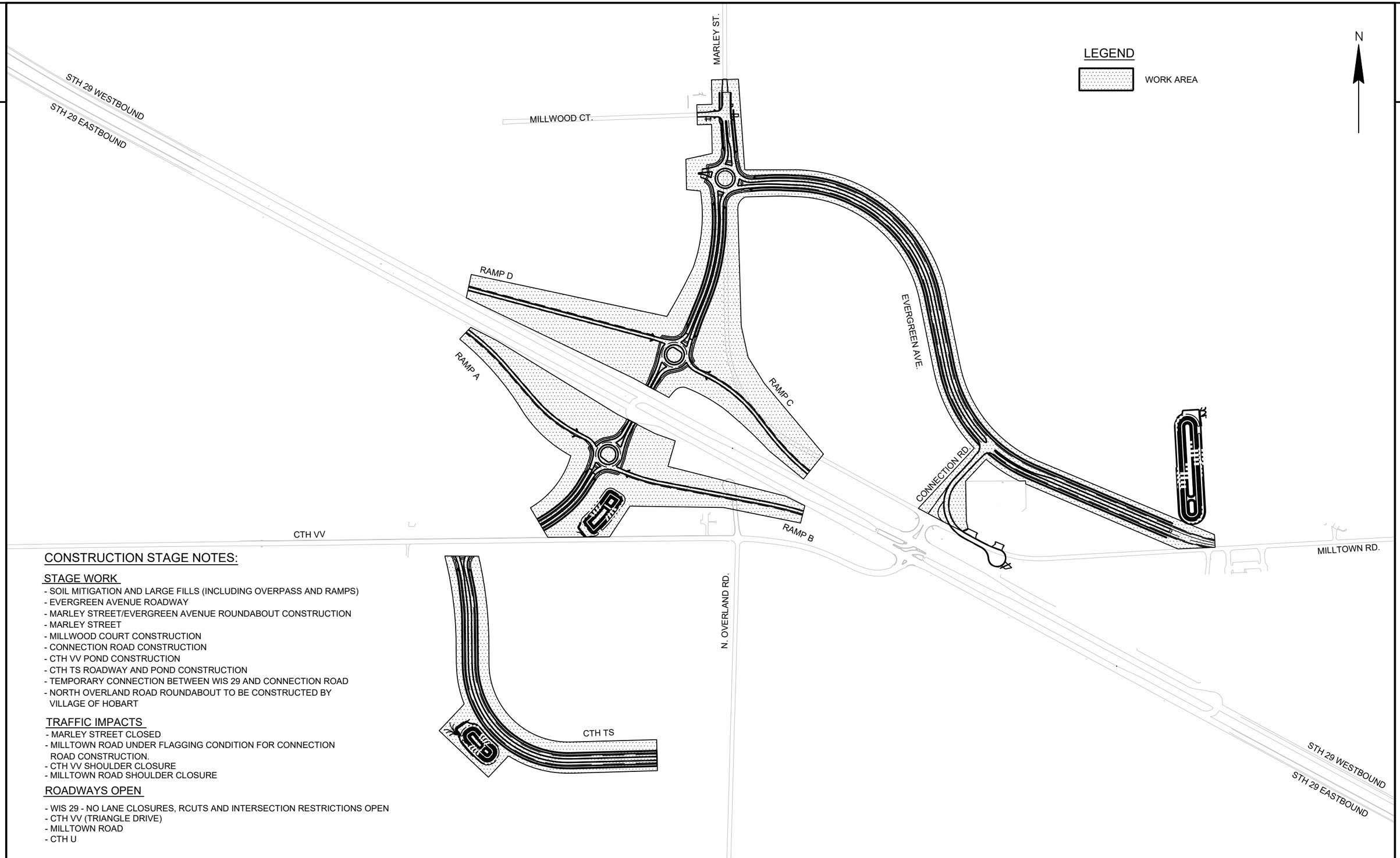
ROADWAYS OPEN

- WIS 29 - NO LANE CLOSURES, RCUTS AND INTERSECTION RESTRICTIONS OPEN
- CTH VV (TRIANGLE DRIVE)
- MILLTOWN ROAD
- CTH U

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 2A	SHEET 446	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\026002 S2.DWG
LAYOUT NAME - 026002 S2
PLOT DATE : 4/30/2020 2:45 PM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

2



CONSTRUCTION STAGE NOTES:

STAGE WORK

- SOIL MITIGATION AND LARGE FILLS (INCLUDING OVERPASS AND RAMPS)
- EVERGREEN AVENUE ROADWAY
- MARLEY STREET/EVERGREEN AVENUE ROUNDABOUT CONSTRUCTION
- MARLEY STREET
- MILLWOOD COURT CONSTRUCTION
- CONNECTION ROAD CONSTRUCTION
- CTH VV POND CONSTRUCTION
- CTH TS ROADWAY AND POND CONSTRUCTION
- TEMPORARY CONNECTION BETWEEN WIS 29 AND CONNECTION ROAD
- NORTH OVERLAND ROAD ROUNDABOUT TO BE CONSTRUCTED BY VILLAGE OF HOBART

TRAFFIC IMPACTS

- MARLEY STREET CLOSED
- MILLTOWN ROAD UNDER FLAGGING CONDITION FOR CONNECTION ROAD CONSTRUCTION.
- CTH VV SHOULDER CLOSURE
- MILLTOWN ROAD SHOULDER CLOSURE

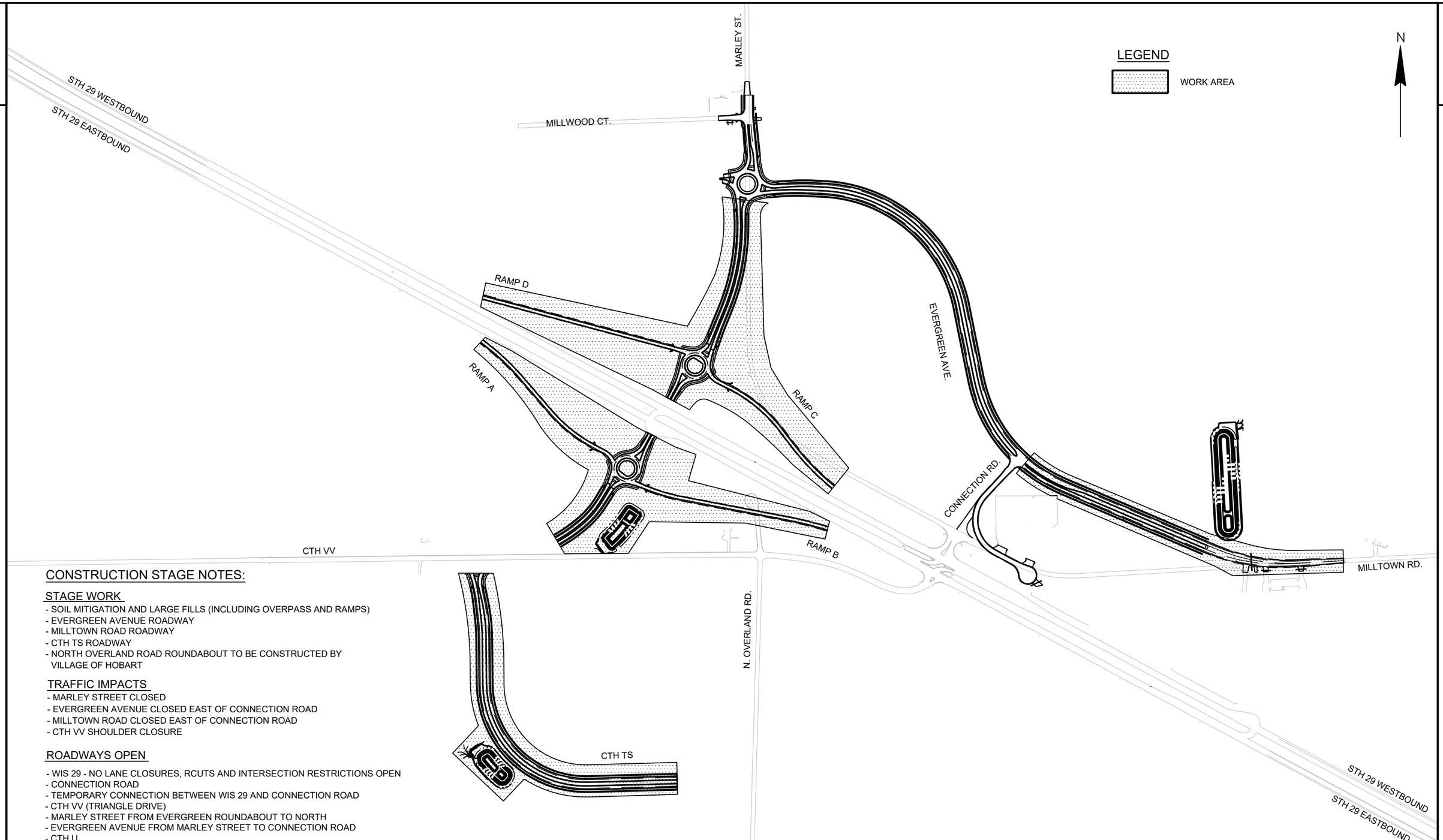
ROADWAYS OPEN

- WIS 29 - NO LANE CLOSURES, RCUTS AND INTERSECTION RESTRICTIONS OPEN
- CTH VV (TRIANGLE DRIVE)
- MILLTOWN ROAD
- CTH U

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 2B	SHEET 447	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\026003 S2.DWG
LAYOUT NAME - 026003 S2
PLOT DATE : 4/28/2020 10:40 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

2



CONSTRUCTION STAGE NOTES:

STAGE WORK

- SOIL MITIGATION AND LARGE FILLS (INCLUDING OVERPASS AND RAMPS)
- EVERGREEN AVENUE ROADWAY
- MILLTOWN ROAD ROADWAY
- CTH TS ROADWAY
- NORTH OVERLAND ROAD ROUNDABOUT TO BE CONSTRUCTED BY VILLAGE OF HOBART

TRAFFIC IMPACTS

- MARLEY STREET CLOSED
- EVERGREEN AVENUE CLOSED EAST OF CONNECTION ROAD
- MILLTOWN ROAD CLOSED EAST OF CONNECTION ROAD
- CTH VV SHOULDER CLOSURE

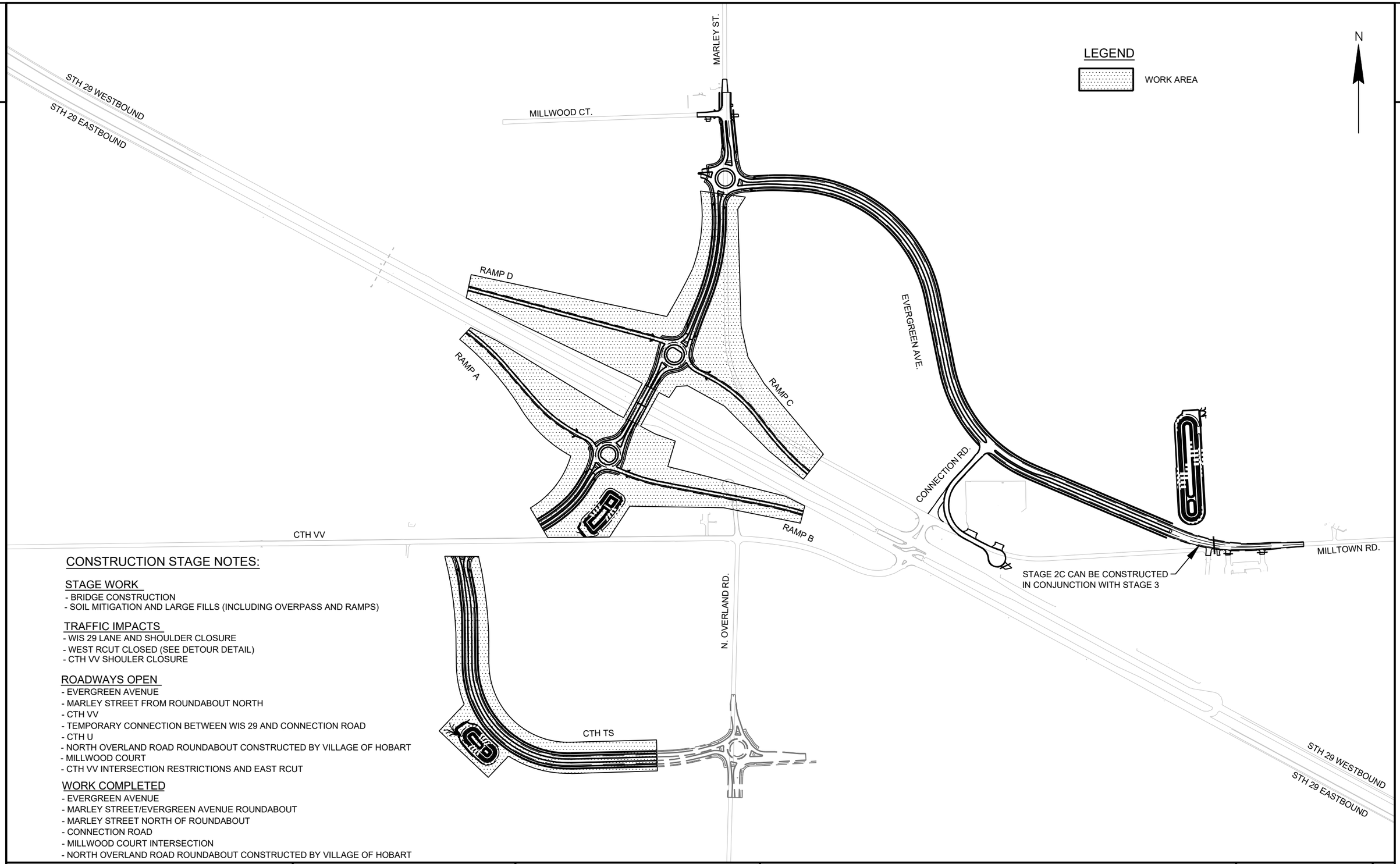
ROADWAYS OPEN

- WIS 29 - NO LANE CLOSURES, RCUTS AND INTERSECTION RESTRICTIONS OPEN
- CONNECTION ROAD
- TEMPORARY CONNECTION BETWEEN WIS 29 AND CONNECTION ROAD
- CTH VV (TRIANGLE DRIVE)
- MARLEY STREET FROM EVERGREEN ROUNDABOUT TO NORTH
- EVERGREEN AVENUE FROM MARLEY STREET TO CONNECTION ROAD
- CTH U

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 2C	SHEET 448	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\026004 S2.DWG
LAYOUT NAME - 026004 S2
PLOT DATE : 4/28/2020 10:42 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

2



CONSTRUCTION STAGE NOTES:

STAGE WORK
- BRIDGE CONSTRUCTION
- SOIL MITIGATION AND LARGE FILLS (INCLUDING OVERPASS AND RAMPS)

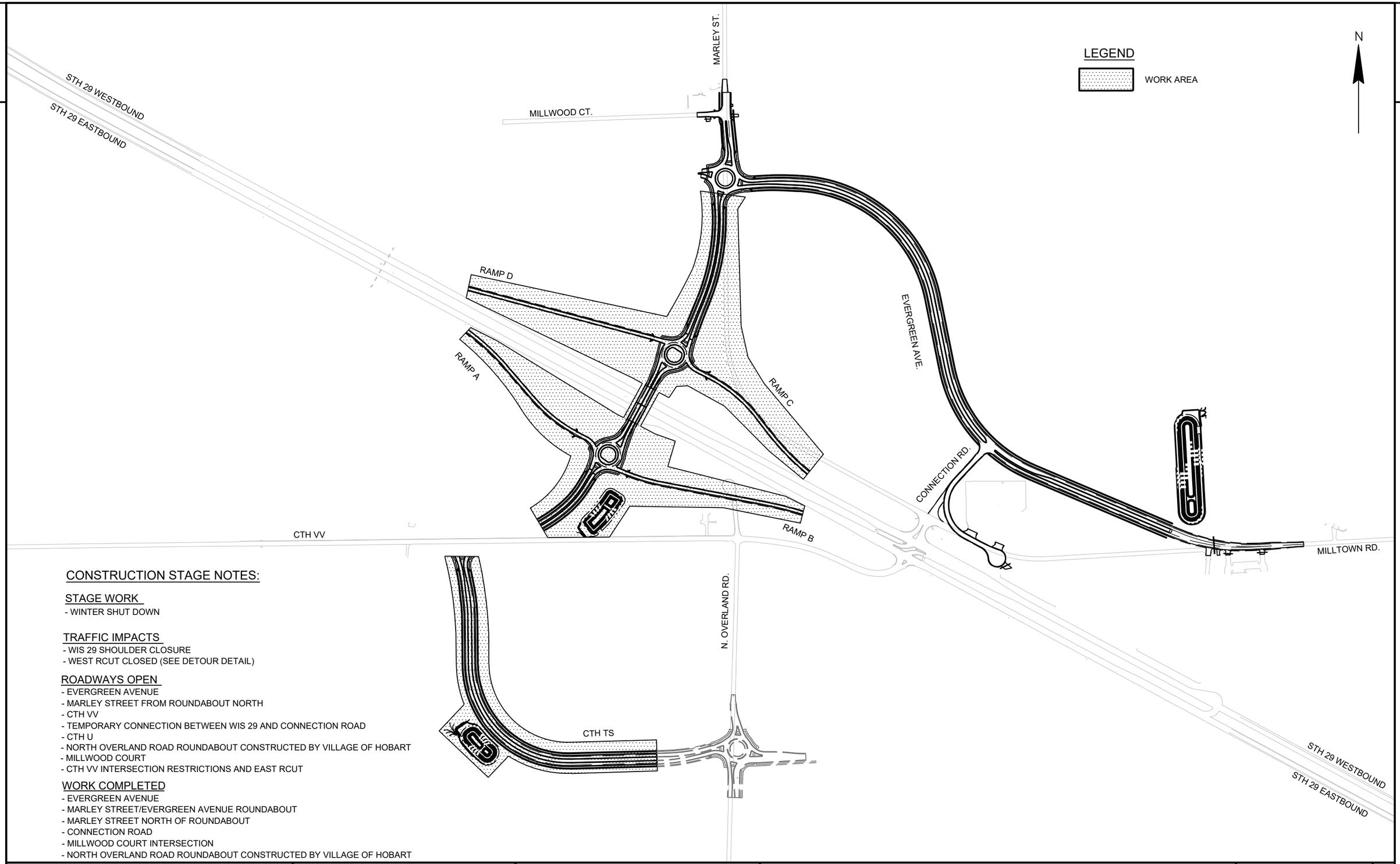
TRAFFIC IMPACTS
- WIS 29 LANE AND SHOULDER CLOSURE
- WEST RCUT CLOSED (SEE DETOUR DETAIL)
- CTH VV SHOULER CLOSURE

ROADWAYS OPEN
- EVERGREEN AVENUE
- MARLEY STREET FROM ROUNDABOUT NORTH
- CTH VV
- TEMPORARY CONNECTION BETWEEN WIS 29 AND CONNECTION ROAD
- CTH U
- NORTH OVERLAND ROAD ROUNDABOUT CONSTRUCTED BY VILLAGE OF HOBART
- MILLWOOD COURT
- CTH VV INTERSECTION RESTRICTIONS AND EAST RCUT

WORK COMPLETED
- EVERGREEN AVENUE
- MARLEY STREET/EVERGREEN AVENUE ROUNDABOUT
- MARLEY STREET NORTH OF ROUNDABOUT
- CONNECTION ROAD
- MILLWOOD COURT INTERSECTION
- NORTH OVERLAND ROAD ROUNDABOUT CONSTRUCTED BY VILLAGE OF HOBART

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 3A	SHEET 449	E

2



CONSTRUCTION STAGE NOTES:

STAGE WORK
- WINTER SHUT DOWN

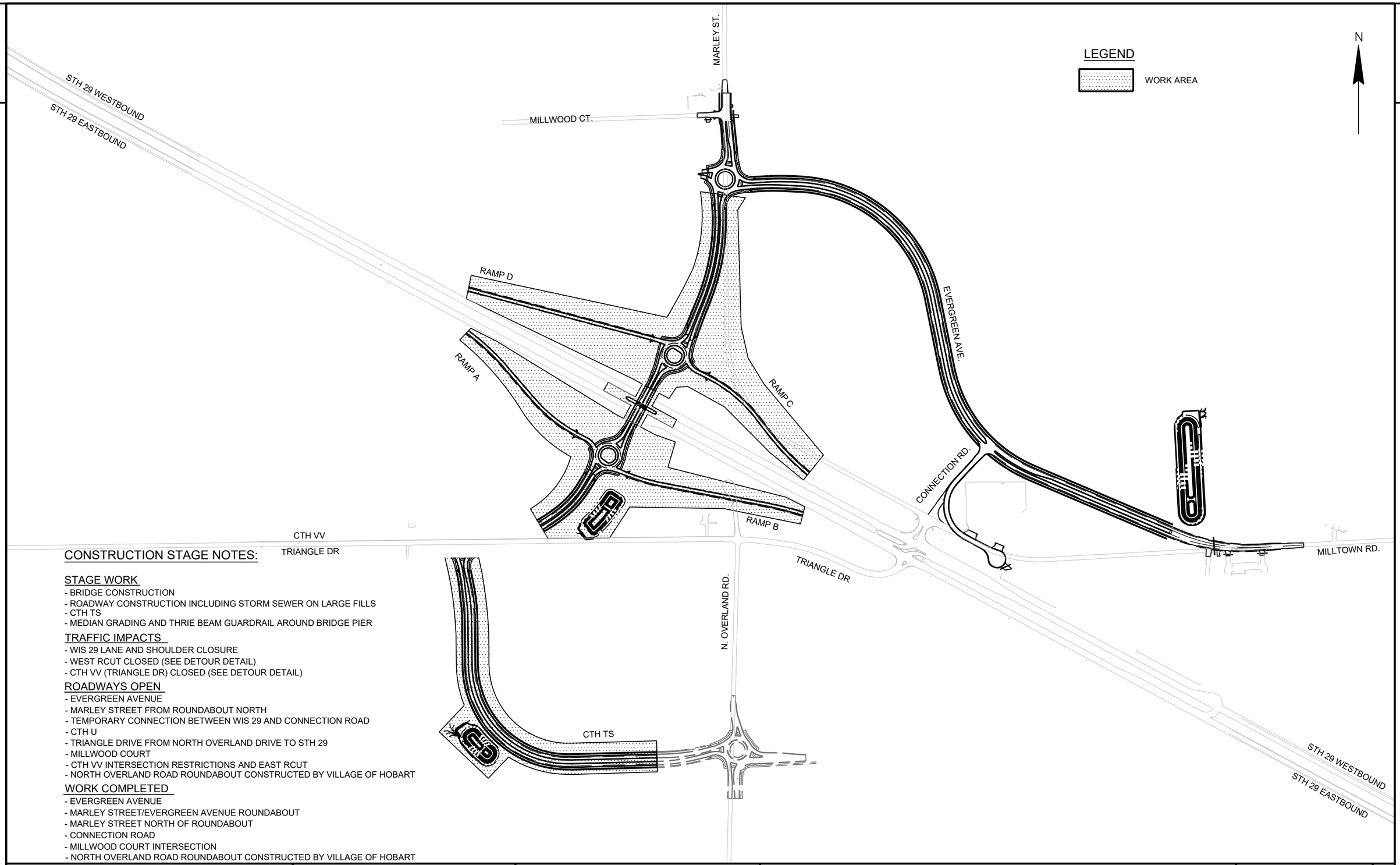
TRAFFIC IMPACTS
- WIS 29 SHOULDER CLOSURE
- WEST RCUT CLOSED (SEE DETOUR DETAIL)

ROADWAYS OPEN
- EVERGREEN AVENUE
- MARLEY STREET FROM ROUNDABOUT NORTH
- CTH VV
- TEMPORARY CONNECTION BETWEEN WIS 29 AND CONNECTION ROAD
- CTH U
- NORTH OVERLAND ROAD ROUNDABOUT CONSTRUCTED BY VILLAGE OF HOBART
- MILLWOOD COURT
- CTH VV INTERSECTION RESTRICTIONS AND EAST RCUT

WORK COMPLETED
- EVERGREEN AVENUE
- MARLEY STREET/EVERGREEN AVENUE ROUNDABOUT
- MARLEY STREET NORTH OF ROUNDABOUT
- CONNECTION ROAD
- MILLWOOD COURT INTERSECTION
- NORTH OVERLAND ROAD ROUNDABOUT CONSTRUCTED BY VILLAGE OF HOBART

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 3B	SHEET 450	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\026006 S3.DWG
LAYOUT NAME - 026006 S3
PLOT DATE : 4/30/2020 11:03 PM
PLOT BY : VERVILLE, PHILLIP
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42



CONSTRUCTION STAGE NOTES:

STAGE WORK
- BRIDGE CONSTRUCTION
- ROADWAY CONSTRUCTION INCLUDING STORM SEWER ON LARGE FILLS
- CTH TS
- MEDIAN GRADING AND THRIE BEAM GUARDRAIL AROUND BRIDGE PIER

TRAFFIC IMPACTS
- WIS 29 LANE AND SHOULDER CLOSURE
- WEST RCUT CLOSED (SEE DETOUR DETAIL)
- CTH VV (TRIANGLE DR) CLOSED (SEE DETOUR DETAIL)

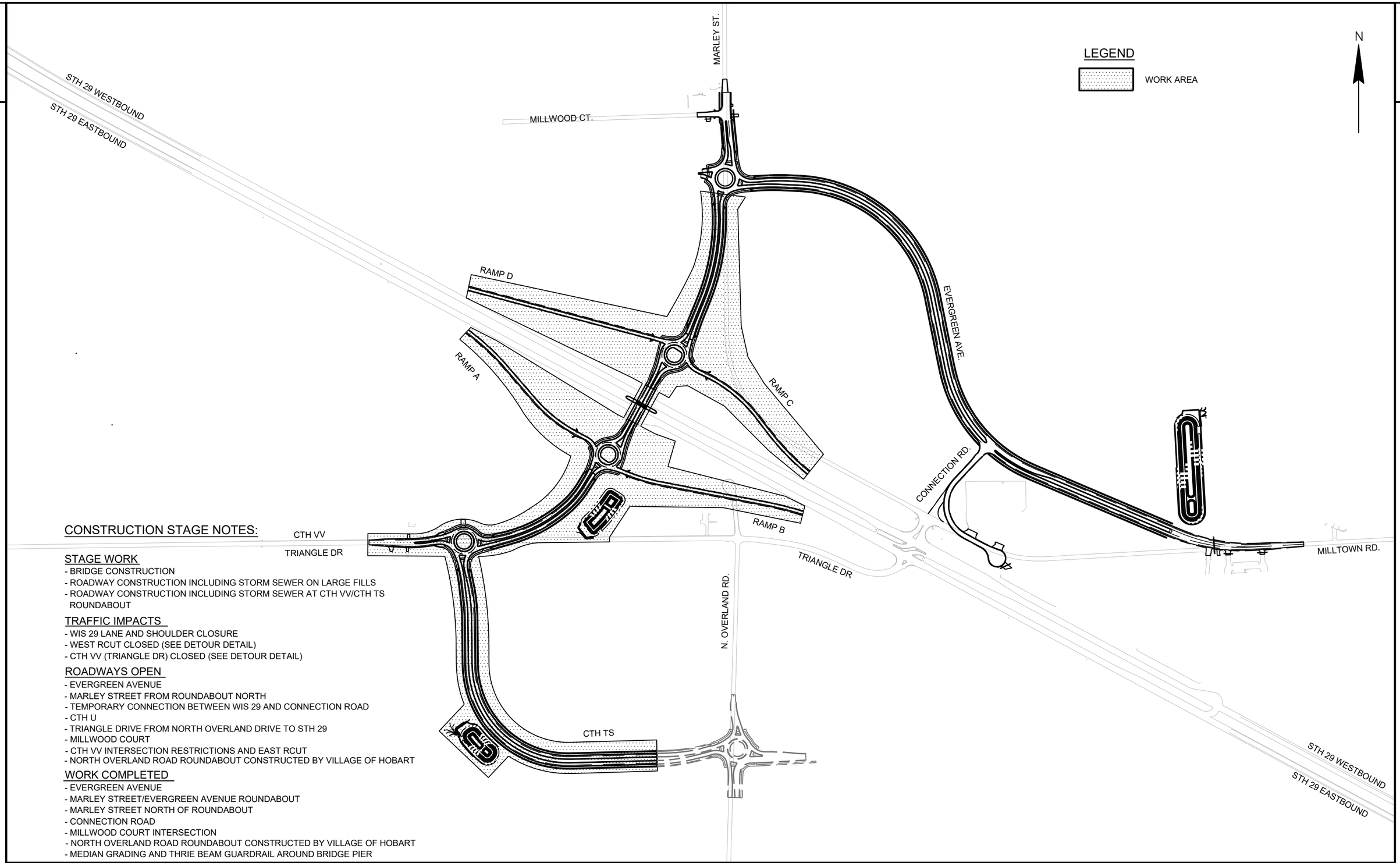
ROADWAYS OPEN
- EVERGREEN AVENUE
- MARLEY STREET FROM ROUNDABOUT NORTH
- TEMPORARY CONNECTION BETWEEN WIS 29 AND CONNECTION ROAD
- CTH U
- TRIANGLE DRIVE FROM NORTH OVERLAND DRIVE TO STH 29
- MILLWOOD COURT
- CTH VV INTERSECTION RESTRICTIONS AND EAST RCUT
- NORTH OVERLAND ROAD ROUNDABOUT CONSTRUCTED BY VILLAGE OF HOBART

WORK COMPLETED
- EVERGREEN AVENUE
- MARLEY STREET/EVERGREEN AVENUE ROUNDABOUT
- MARLEY STREET NORTH OF ROUNDABOUT
- CONNECTION ROAD
- MILLWOOD COURT INTERSECTION
- NORTH OVERLAND ROAD ROUNDABOUT CONSTRUCTED BY VILLAGE OF HOBART

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 4A	SHEET 451	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\026007 S4.DWG
LAYOUT NAME - 026007 S4
PLOT DATE : 4/30/2020 2:19 PM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

2



CONSTRUCTION STAGE NOTES:

STAGE WORK
- BRIDGE CONSTRUCTION
- ROADWAY CONSTRUCTION INCLUDING STORM SEWER ON LARGE FILLS
- ROADWAY CONSTRUCTION INCLUDING STORM SEWER AT CTH VV/CTH TS ROUNDABOUT

TRAFFIC IMPACTS
- WIS 29 LANE AND SHOULDER CLOSURE
- WEST RCUT CLOSED (SEE DETOUR DETAIL)
- CTH VV (TRIANGLE DR) CLOSED (SEE DETOUR DETAIL)

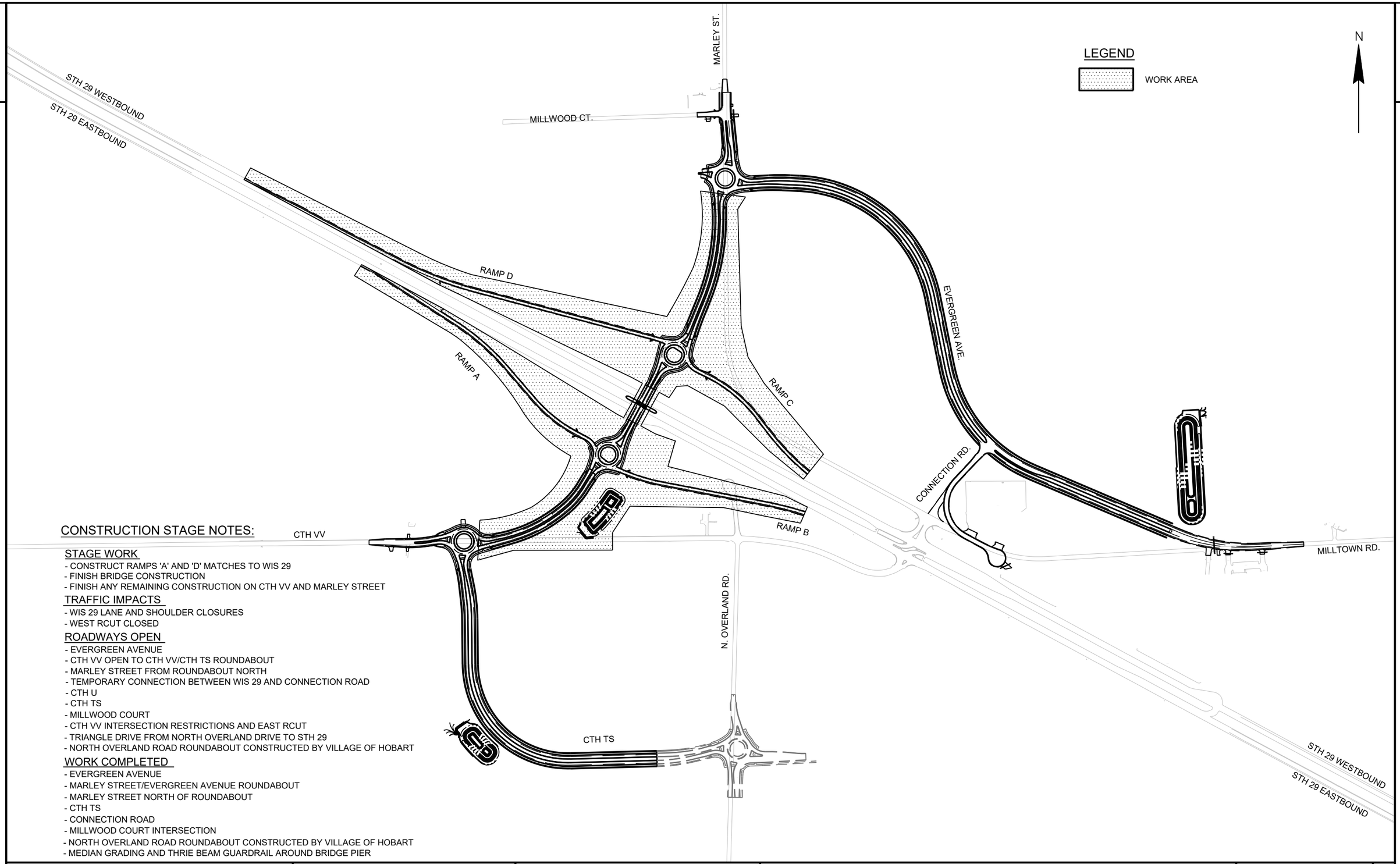
ROADWAYS OPEN
- EVERGREEN AVENUE
- MARLEY STREET FROM ROUNDABOUT NORTH
- TEMPORARY CONNECTION BETWEEN WIS 29 AND CONNECTION ROAD
- CTH U
- TRIANGLE DRIVE FROM NORTH OVERLAND DRIVE TO STH 29
- MILLWOOD COURT
- CTH VV INTERSECTION RESTRICTIONS AND EAST RCUT
- NORTH OVERLAND ROAD ROUNDABOUT CONSTRUCTED BY VILLAGE OF HOBART

WORK COMPLETED
- EVERGREEN AVENUE
- MARLEY STREET/EVERGREEN AVENUE ROUNDABOUT
- MARLEY STREET NORTH OF ROUNDABOUT
- CONNECTION ROAD
- MILLWOOD COURT INTERSECTION
- NORTH OVERLAND ROAD ROUNDABOUT CONSTRUCTED BY VILLAGE OF HOBART
- MEDIAN GRADING AND THRIE BEAM GUARDRAIL AROUND BRIDGE PIER

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 4B	SHEET 452	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\026008 S4.DWG
LAYOUT NAME - 026008 S4
PLOT DATE : 4/28/2020 10:47 AM
PLOT BY : VERVILLE, PHILLIP
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

2



CONSTRUCTION STAGE NOTES:

STAGE WORK
- CONSTRUCT RAMPS 'A' AND 'D' MATCHES TO WIS 29
- FINISH BRIDGE CONSTRUCTION
- FINISH ANY REMAINING CONSTRUCTION ON CTH VV AND MARLEY STREET

TRAFFIC IMPACTS
- WIS 29 LANE AND SHOULDER CLOSURES
- WEST RCUT CLOSED

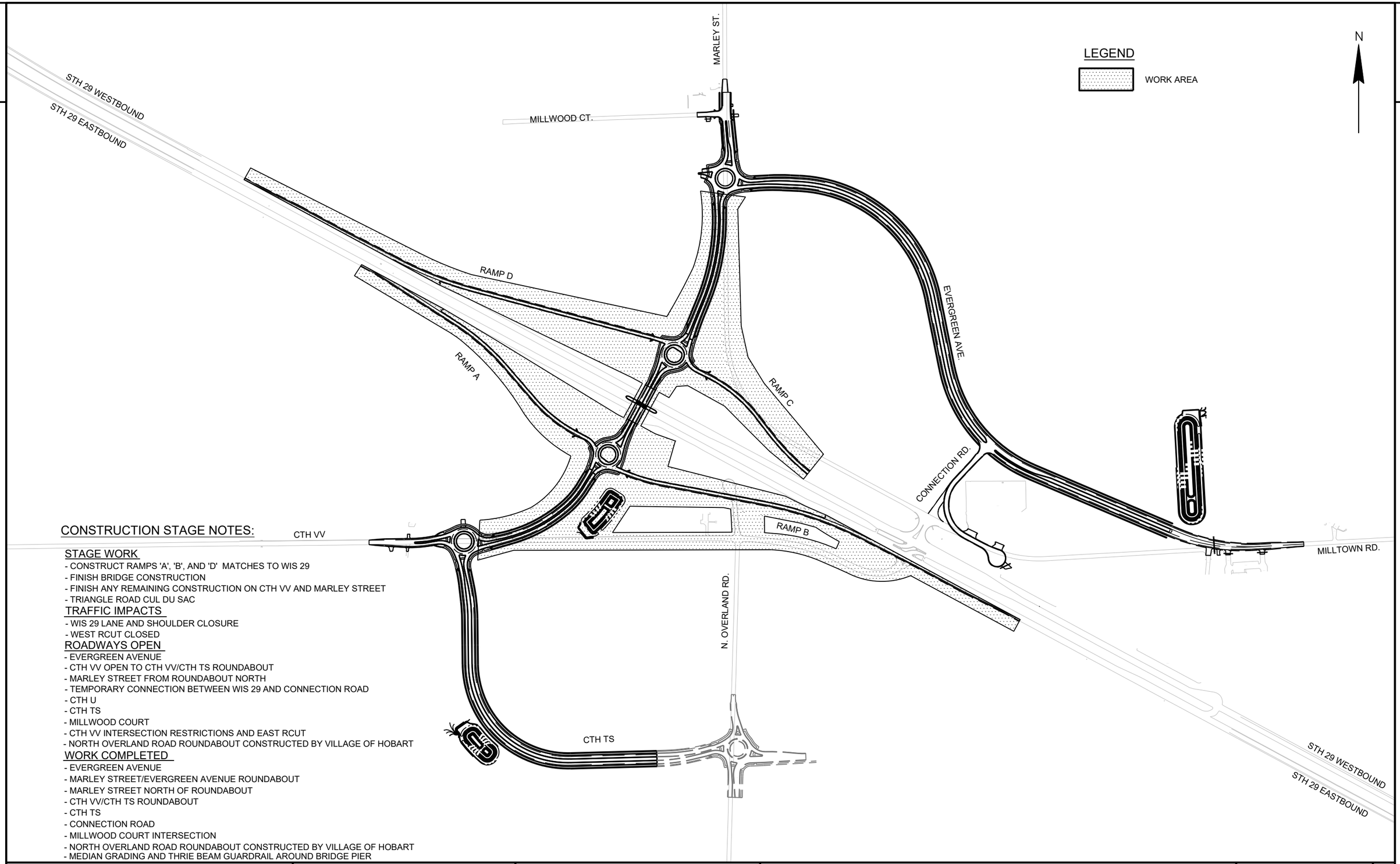
ROADWAYS OPEN
- EVERGREEN AVENUE
- CTH VV OPEN TO CTH VV/CTH TS ROUNDABOUT
- MARLEY STREET FROM ROUNDABOUT NORTH
- TEMPORARY CONNECTION BETWEEN WIS 29 AND CONNECTION ROAD
- CTH U
- CTH TS
- MILLWOOD COURT
- CTH VV INTERSECTION RESTRICTIONS AND EAST RCUT
- TRIANGLE DRIVE FROM NORTH OVERLAND DRIVE TO STH 29
- NORTH OVERLAND ROAD ROUNDABOUT CONSTRUCTED BY VILLAGE OF HOBART

WORK COMPLETED
- EVERGREEN AVENUE
- MARLEY STREET/EVERGREEN AVENUE ROUNDABOUT
- MARLEY STREET NORTH OF ROUNDABOUT
- CTH TS
- CONNECTION ROAD
- MILLWOOD COURT INTERSECTION
- NORTH OVERLAND ROAD ROUNDABOUT CONSTRUCTED BY VILLAGE OF HOBART
- MEDIAN GRADING AND THRIE BEAM GUARDRAIL AROUND BRIDGE PIER

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 5A	SHEET 453	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\026009 S5.DWG
LAYOUT NAME - 026009 S5
PLOT DATE : 4/28/2020 10:48 AM
PLOT BY : VERVILLE, PHILLIP
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

2



CONSTRUCTION STAGE NOTES:

STAGE WORK
- CONSTRUCT RAMPS 'A', 'B', AND 'D' MATCHES TO WIS 29
- FINISH BRIDGE CONSTRUCTION
- FINISH ANY REMAINING CONSTRUCTION ON CTH VV AND MARLEY STREET
- TRIANGLE ROAD CUL DU SAC

TRAFFIC IMPACTS
- WIS 29 LANE AND SHOULDER CLOSURE
- WEST RCUT CLOSED

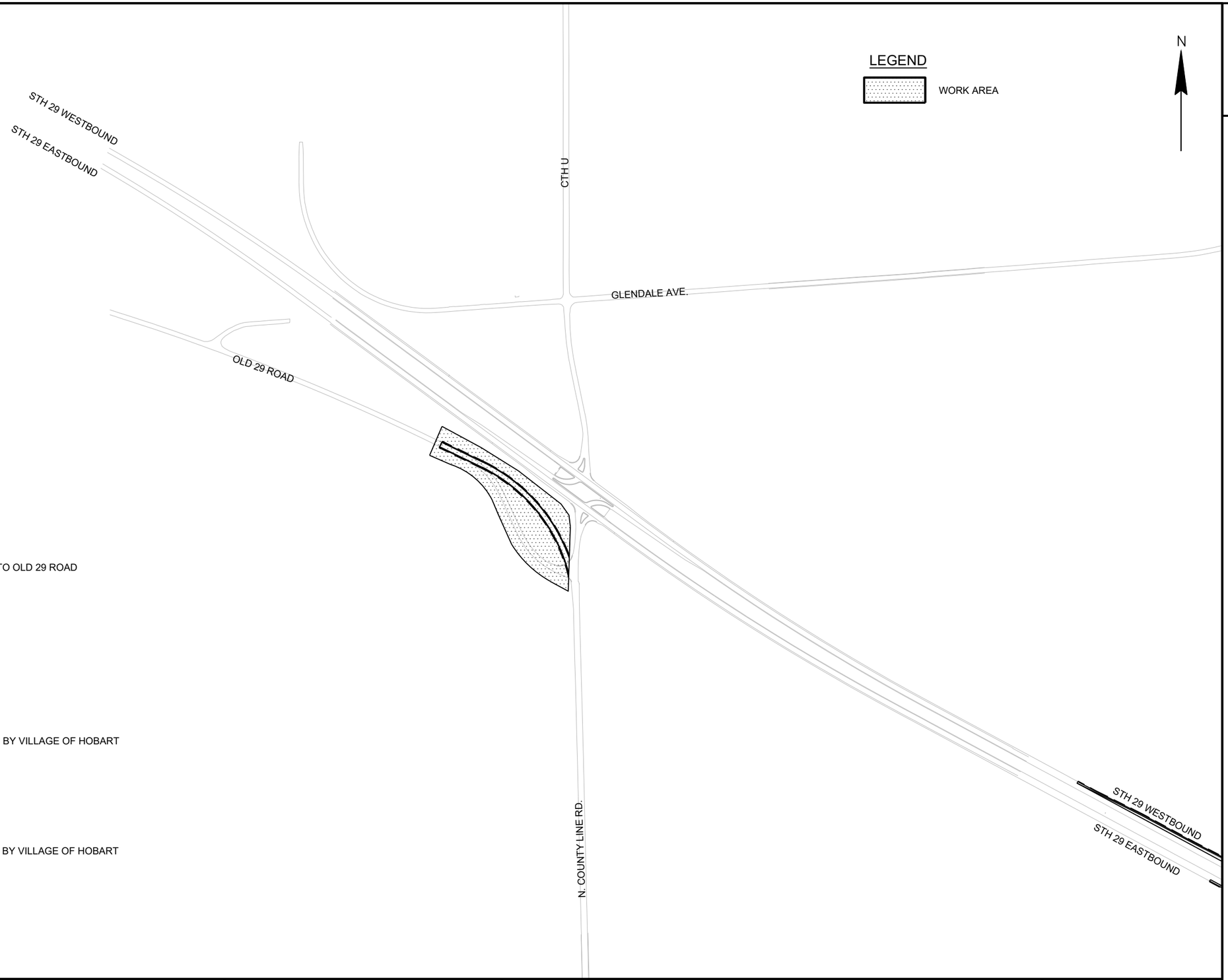
ROADWAYS OPEN
- EVERGREEN AVENUE
- CTH VV OPEN TO CTH VV/CTH TS ROUNDABOUT
- MARLEY STREET FROM ROUNDABOUT NORTH
- TEMPORARY CONNECTION BETWEEN WIS 29 AND CONNECTION ROAD
- CTH U
- CTH TS
- MILLWOOD COURT
- CTH VV INTERSECTION RESTRICTIONS AND EAST RCUT
- NORTH OVERLAND ROAD ROUNDABOUT CONSTRUCTED BY VILLAGE OF HOBART

WORK COMPLETED
- EVERGREEN AVENUE
- MARLEY STREET/EVERGREEN AVENUE ROUNDABOUT
- MARLEY STREET NORTH OF ROUNDABOUT
- CTH VV/CTH TS ROUNDABOUT
- CTH TS
- CONNECTION ROAD
- MILLWOOD COURT INTERSECTION
- NORTH OVERLAND ROAD ROUNDABOUT CONSTRUCTED BY VILLAGE OF HOBART
- MEDIAN GRADING AND THRIE BEAM GUARDRAIL AROUND BRIDGE PIER

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 5B	SHEET 454	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\026010 S5.DWG
LAYOUT NAME - 026010 S5
PLOT DATE : 4/28/2020 10:49 AM
PLOT BY : VERVILLE, PHILLIP
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

2



CONSTRUCTION STAGE NOTES:

STAGE WORK
- CONSTRUCT RAMP 'C'
- CONSTRUCT NORTH COUNTY LINE ROAD CONNECTION TO OLD 29 ROAD

TRAFFIC IMPACTS
- WIS 29 LANE AND SHOULDER CLOSURES
- WEST RCUT CLOSED
- EAST RCUT CLOSED

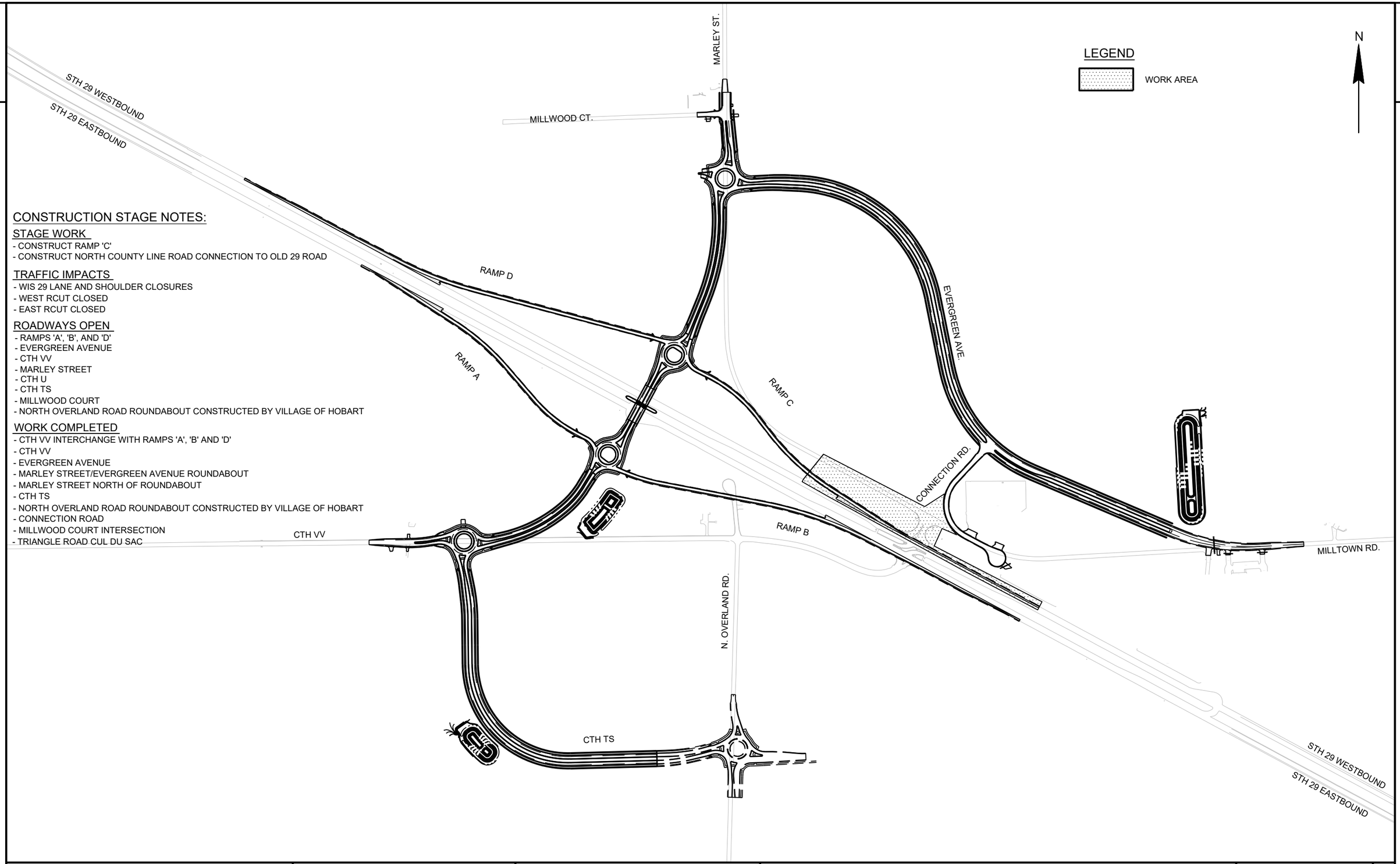
ROADWAYS OPEN
- RAMPS 'A', 'B', AND 'D'
- EVERGREEN AVENUE
- CTH VV
- MARLEY STREET
- CTH U
- CTH TS
- MILLWOOD COURT
- NORTH OVERLAND ROAD ROUNDABOUT CONSTRUCTED BY VILLAGE OF HOBART

WORK COMPLETED
- CTH VV INTERCHANGE WITH RAMPS 'A', 'B' AND 'D'
- CTH VV
- EVERGREEN AVENUE
- MARLEY STREET/EVERGREEN AVENUE ROUNDABOUT
- MARLEY STREET NORTH OF ROUNDABOUT
- CTH TS
- NORTH OVERLAND ROAD ROUNDABOUT CONSTRUCTED BY VILLAGE OF HOBART
- CONNECTION ROAD
- MILLWOOD COURT INTERSECTION
- TRIANGLE ROAD CUL DU SAC

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 6A	SHEET 455	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\026011 S6.DWG
LAYOUT NAME - 026011 S6
PLOT DATE : 4/28/2020 10:51 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

2



LEGEND

WORK AREA

N

CONSTRUCTION STAGE NOTES:

STAGE WORK
- CONSTRUCT RAMP 'C'
- CONSTRUCT NORTH COUNTY LINE ROAD CONNECTION TO OLD 29 ROAD

TRAFFIC IMPACTS
- WIS 29 LANE AND SHOULDER CLOSURES
- WEST RCUT CLOSED
- EAST RCUT CLOSED

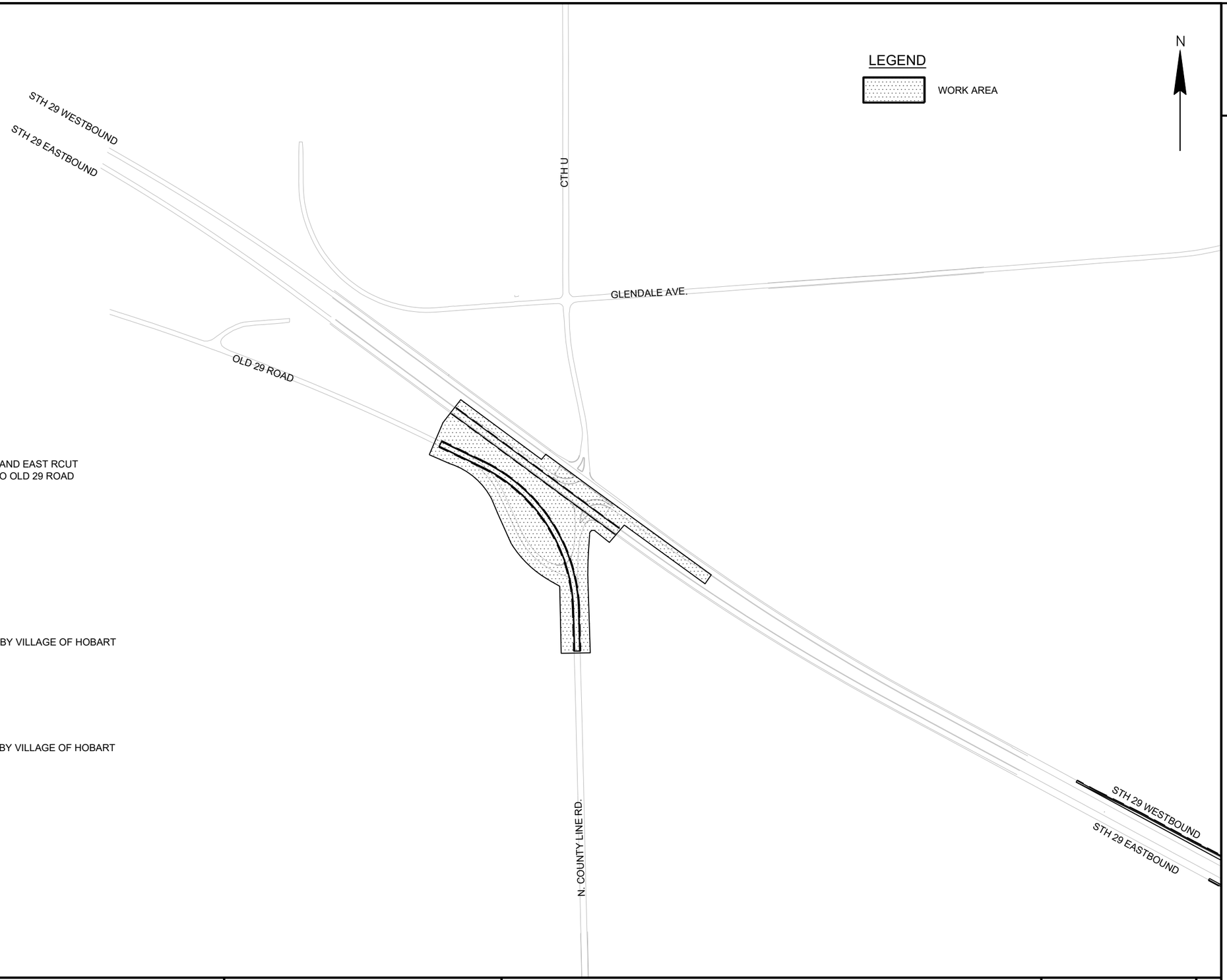
ROADWAYS OPEN
- RAMPS 'A', 'B', AND 'D'
- EVERGREEN AVENUE
- CTH VV
- MARLEY STREET
- CTH U
- CTH TS
- MILLWOOD COURT
- NORTH OVERLAND ROAD ROUNDABOUT CONSTRUCTED BY VILLAGE OF HOBART

WORK COMPLETED
- CTH VV INTERCHANGE WITH RAMPS 'A', 'B' AND 'D'
- CTH VV
- EVERGREEN AVENUE
- MARLEY STREET/EVERGREEN AVENUE ROUNDABOUT
- MARLEY STREET NORTH OF ROUNDABOUT
- CTH TS
- NORTH OVERLAND ROAD ROUNDABOUT CONSTRUCTED BY VILLAGE OF HOBART
- CONNECTION ROAD
- MILLWOOD COURT INTERSECTION
- TRIANGLE ROAD CUL DU SAC

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 6A	SHEET 456	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\026012 S6.DWG
LAYOUT NAME - 026012 S6
PLOT DATE : 4/28/2020 10:52 AM
PLOT BY : VERVILLE, PHILLIP
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

2



CONSTRUCTION STAGE NOTES:

STAGE WORK
- REMOVE CTH U INTERSECTION
- REMOVE CTH VV MEDIAN INTERSECTION RESTRICTIONS AND EAST RCUT
- CONSTRUCT NORTH COUNTY LINE ROAD CONNECTION TO OLD 29 ROAD

TRAFFIC IMPACTS
- WIS 29 LANE AND SHOULDER CLOSURES
- WEST RCUT CLOSED
- EAST RCUT CLOSED

ROADWAYS OPEN
- RAMPS 'A', 'B', 'C', AND 'D'
- EVERGREEN AVENUE
- CTH VV
- MARLEY STREET
- CTH U
- CTH TS
- MILLWOOD COURT
- NORTH OVERLAND ROAD ROUNDABOUT CONSTRUCTED BY VILLAGE OF HOBART

WORK COMPLETED
- CTH VV INTERCHANGE WITH RAMPS 'A', 'B', 'C', AND 'D'
- CTH VV
- EVERGREEN AVENUE
- MARLEY STREET/EVERGREEN AVENUE ROUNDABOUT
- MARLEY STREET NORTH OF ROUNDABOUT
- CTH TS
- NORTH OVERLAND ROAD ROUNDABOUT CONSTRUCTED BY VILLAGE OF HOBART
- CONNECTION ROAD
- MILLWOOD COURT INTERSECTION
- TRIANGLE ROAD CUL DU SAC

2

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 6B	SHEET 457	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\026013 S6.DWG
LAYOUT NAME - 026013 S6
PLOT DATE : 4/28/2020 10:53 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

2

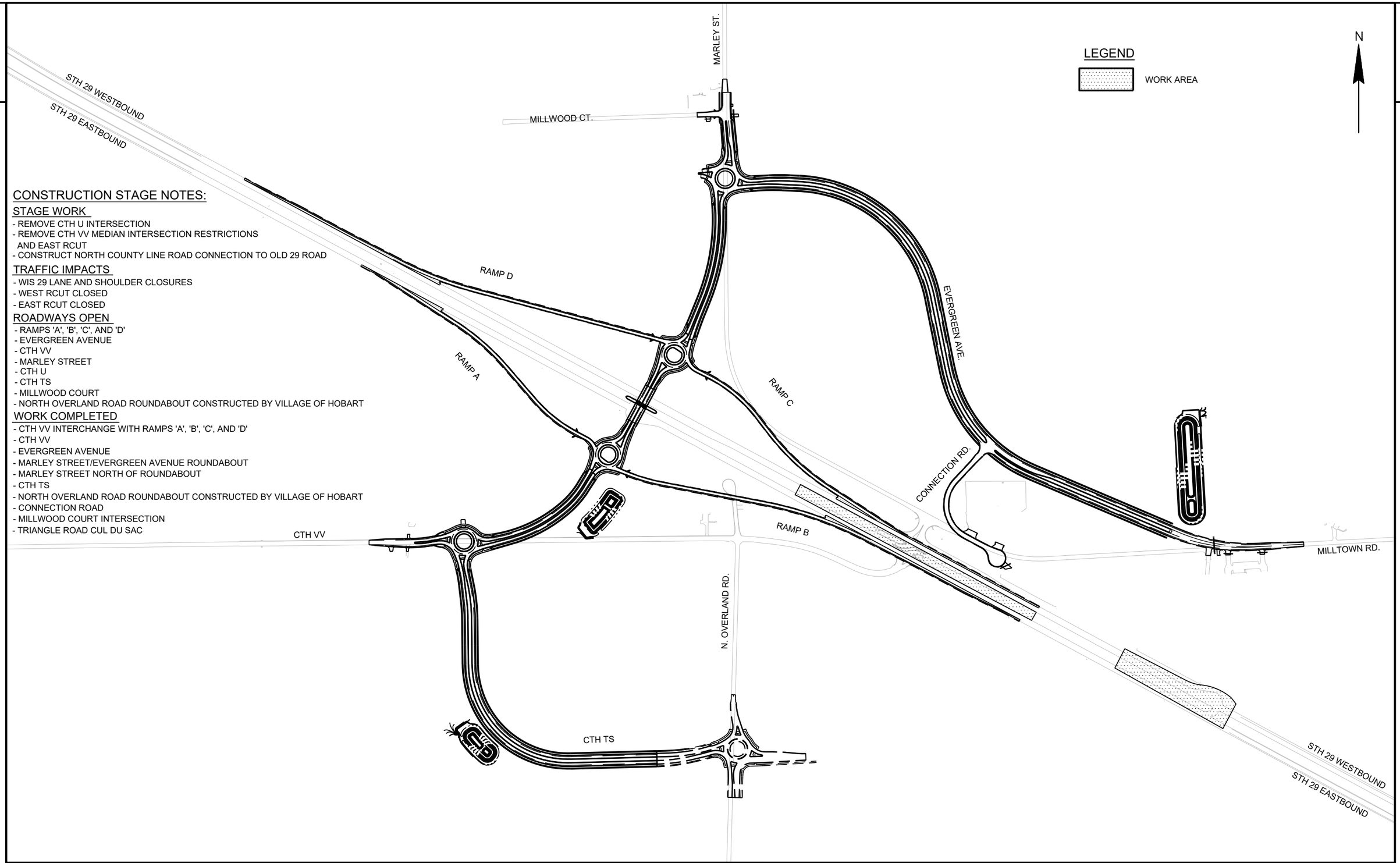
CONSTRUCTION STAGE NOTES:

STAGE WORK
- REMOVE CTH U INTERSECTION
- REMOVE CTH VV MEDIAN INTERSECTION RESTRICTIONS AND EAST RCUT
- CONSTRUCT NORTH COUNTY LINE ROAD CONNECTION TO OLD 29 ROAD

TRAFFIC IMPACTS
- WIS 29 LANE AND SHOULDER CLOSURES
- WEST RCUT CLOSED
- EAST RCUT CLOSED

ROADWAYS OPEN
- RAMPS 'A', 'B', 'C', AND 'D'
- EVERGREEN AVENUE
- CTH VV
- MARLEY STREET
- CTH U
- CTH TS
- MILLWOOD COURT
- NORTH OVERLAND ROAD ROUNDABOUT CONSTRUCTED BY VILLAGE OF HOBART

WORK COMPLETED
- CTH VV INTERCHANGE WITH RAMPS 'A', 'B', 'C', AND 'D'
- CTH VV
- EVERGREEN AVENUE
- MARLEY STREET/EVERGREEN AVENUE ROUNDABOUT
- MARLEY STREET NORTH OF ROUNDABOUT
- CTH TS
- NORTH OVERLAND ROAD ROUNDABOUT CONSTRUCTED BY VILLAGE OF HOBART
- CONNECTION ROAD
- MILLWOOD COURT INTERSECTION
- TRIANGLE ROAD CUL DU SAC

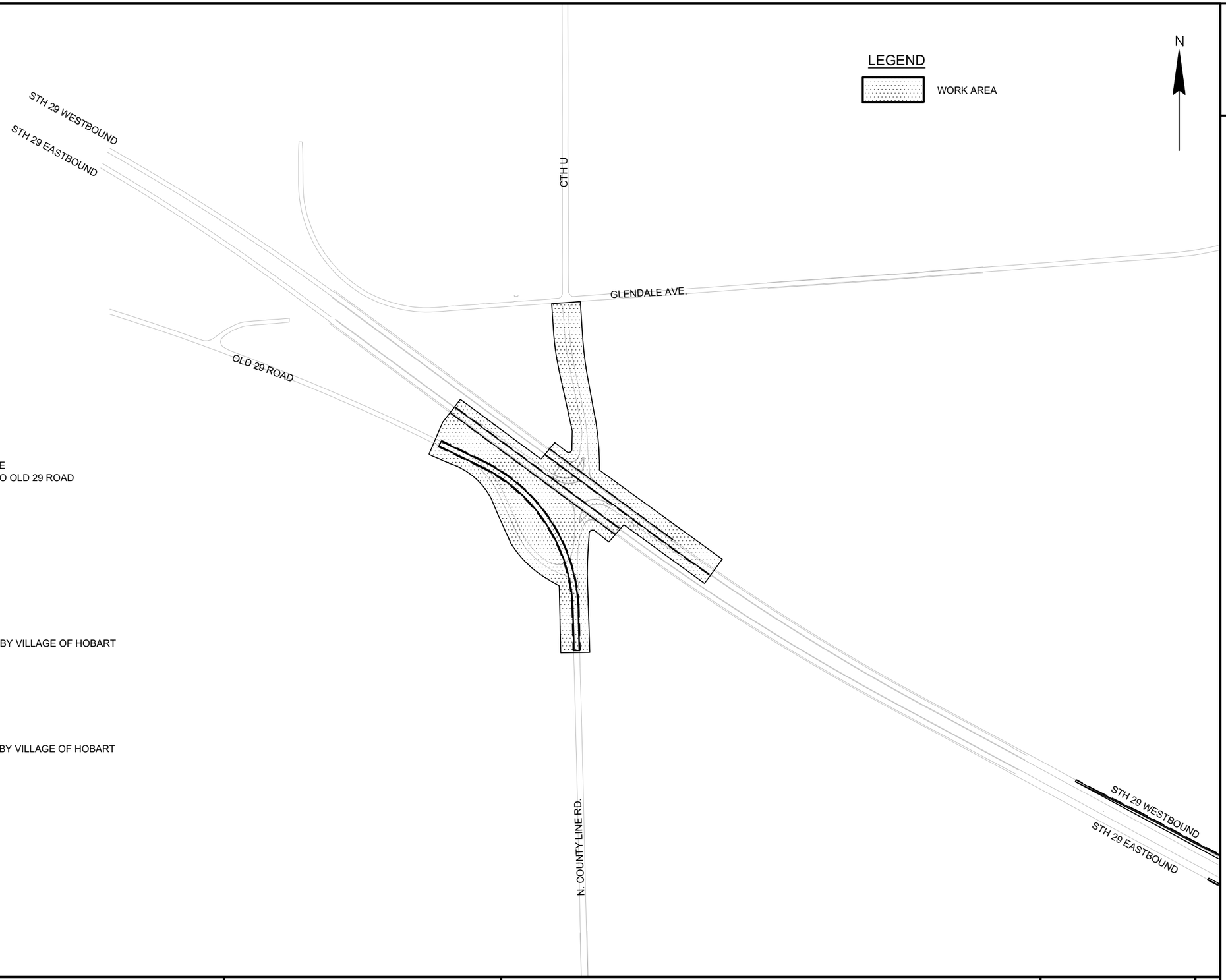


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 6B	SHEET 458	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\026014 S6.DWG
LAYOUT NAME - 026014 S6

PLOT DATE : 4/28/2020 10:54 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:500 FT

2



CONSTRUCTION STAGE NOTES:

STAGE WORK
- REMOVE CTH U INTERSECTION
- REMOVE CTH U BETWEEN WIS 29 AND GLENDALE AVENUE
- CONSTRUCT NORTH COUNTY LINE ROAD CONNECTION TO OLD 29 ROAD

TRAFFIC IMPACTS
- WIS 29 LANE AND SHOULDER CLOSURES
- WEST RCUT CLOSED
- EAST RCUT CLOSED

ROADWAYS OPEN
- RAMPS 'A', 'B', 'C', AND 'D'
- EVERGREEN AVENUE
- CTH VV
- MARLEY STREET
- CTH U
- CTH TS
- MILLWOOD COURT
- NORTH OVERLAND ROAD ROUNDABOUT CONSTRUCTED BY VILLAGE OF HOBART

WORK COMPLETED
- CTH VV INTERCHANGE WITH RAMPS 'A', 'B', 'C', AND 'D'
- CTH VV
- EVERGREEN AVENUE
- MARLEY STREET/EVERGREEN AVENUE ROUNDABOUT
- MARLEY STREET NORTH OF ROUNDABOUT
- CTH TS
- NORTH OVERLAND ROAD ROUNDABOUT CONSTRUCTED BY VILLAGE OF HOBART
- CONNECTION ROAD
- MILLWOOD COURT INTERSECTION
- TRIANGLE ROAD CUL DU SAC

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	STAGE CONSTRUCTION-STAGE 6C	SHEET 459	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\026015 S6.DWG
LAYOUT NAME - 026015 S6
PLOT DATE : 4/28/2020 10:55 AM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

LEGEND

- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- TEMPORARY PRECAST CONCRETE BARRIER
- WORK AREA

TRAFFIC CONTROL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, 500 FEET DESIRABLE, DISTANCE TO EXISTING SIGNS.

THIS SHOULDER CLOSURE IS TYPICAL FOR CLOSING RIGHT SHOULDER - REVERSE FOR CLOSING LEFT SHOULDER.

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 AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON 'COVERED" OR "DOWNED" SIGNS.

FOR A SHOULDER CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCE WARNING SIGNS MAY BE MOUNTED ON PORTABLE CRASHWORTHY SUPPORTS.

REDUCED SPEED AHEAD, AND ALL SPEED LIMIT SIGNS MUST BE POST MOUNTED.

SPEED LIMIT SIGNS SHALL ALSO BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND AT 0.5 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

THE LOCATION OF THE FIRST SIGN INDICATING THE 55 MPH REGULATORY SPEED LIMIT IS REFERENCED FROM BEGINNING OF SHOULDER CLOSURE TAPER. THE 55 MPH REGULATORY SPEED LIMIT SIGN LOCATION MUST BE ADJUSTED WHEN CONSTRUCTION ACTIVITIES REQUIRE THE SHOULDER CLOSURE START LOCATION TO CHANGE.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION,THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

IF LANE CLOSURE IS MORE THAN 1 MILE, PLACE A TYPE III BARRICADE APPROXIMATELY EVERY 0.5 MILE ACROSS THE CLOSED LANE TO HELP ENFORCE THE DRUM LINE.

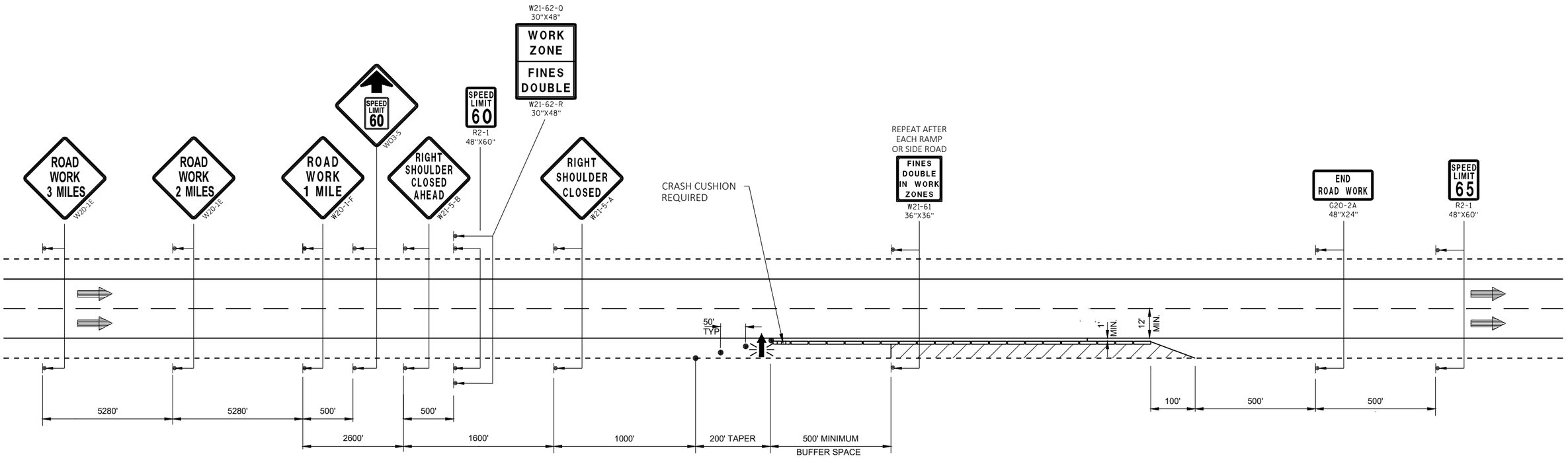
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE SHOULDER CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM OF 1500 FEET IN FRONT OF THE DRUMS.

** SEE REQUIREMENT FOR TEMPORARY REGULATORY SPEED REDUCTION IN THE SPECIAL PROVISIONS.

COVERING AND REMOVAL OF MATERIAL COVERING TEMPORARY REGULATORY SPEED LIMIT SIGNS AND EXISTING SPEED LIMIT SIGNS RELATED TO TEMPORARY AND/OR PERIODIC LANE CLOSURES SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

TRAFFIC CONTROL DEVICES NOT IN USE SHALL LAID DOWN OR REMOVED, TURNING OF DEVICES TO OBSCURE THE MESSAGE WILL NOT BE ALLOWED.



SHOULDER CLOSURE - REGULATORY SPEED REDUCTION WITH BARRIER

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TRAFFIC CONTROL	SHEET 460	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\025100-TC.DWG
LAYOUT NAME - 025101-tc

PLOT DATE : 4/30/2020 6:43 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

2

N

SCHOOL DR

MEADOW DR

MAPLE DR

SUNFIELD DR

STH "29/32"

OLD 29 RD

CTH U

CTH C

GLENDALE AV

MARLEY ST

SUNNY BROOK DR

SYLVAN CT

GREENFIELD AV

MOUNTAIN BAY RECREATION TRAIL

END ROAD WORK
G20-2A
48"X24"

SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY"

SDD "TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD"

MILLWOOD CT

SDD "TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD"

END ROAD WORK
G20-2A
48"X24"

CTH VV

MILLTOWN RD

END ROAD WORK
G20-2A
48"X24"

SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY"

SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY"

END ROAD WORK
G20-2A
48"X24"

END ROAD WORK
G20-2A
48"X24"

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE WITH ATTACHED SIGN

NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

CTH U

OVERLAND DR

STH "29/32"

CTH FF

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TRAFFIC CONTROL-STAGE 1	SHEET 461	E

2

2

N

MEADOW DR

SCHOOL DR

MAPLE DR

SUNFIELD DR

STH "29/32"

CTH C

SUNNY BROOK DR

SYLVAN CT

GREENFIELD AV

MOUNTAIN BAY RECREATION TRAIL

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

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

CTH U

OLD 29 RD

GLENDALE AV

GLENDALE AV

MARLEY ST

END
ROAD WORK
G20-2A
48"X24"

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAIL C-MAINLINE CLOSURE, NO POSTED DETOUR

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAIL D-ROAD CLOSURE BARRICADE DETAIL

CTH C

SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION"

MILLWOOD CT

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAIL C-MAINLINE CLOSURE, NO POSTED DETOUR

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

SDD "TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD"

SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY"

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

END
ROAD WORK
G20-2A
48"X24"

MILLTOWN RD

CTH VV

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

SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY"

END
ROAD WORK
G20-2A
48"X24"

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

END
ROAD WORK
G20-2A
48"X24"

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE WITH ATTACHED SIGN

NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

CTH U

OVERLAND DR

STH "29/32"

CTH FF

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TRAFFIC CONTROL-STAGE 2A	SHEET 462	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\025105 TC.DWG
LAYOUT NAME - 025105 tc

PLOT DATE : 4/30/2020 6:44 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:1500 FT

WISDOT/CADDS SHEET 42

2

2

N

SCHOOL DR

MEADOW DR

MAPLE DR

SUNFIELD DR

STH "29/32"

OLD 29 RD

CTH U

CTH C

MARLEY ST

SUNNY BROOK DR

SYLVAN CT

GREENFIELD AV

MOUNTAIN BAY RECREATION TRAIL

GLENDALE AV

MILLWOOD CT

MILLTOWN RD

CTH VV

OVERLAND DR

CTH FF

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

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

END
ROAD WORK
G20-2A
48"X24"

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAIL C-MAINLINE CLOSURE, NO POSTED DETOUR

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAIL D-ROAD CLOSURE BARRICADE DETAIL

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAIL C-MAINLINE CLOSURE, NO POSTED DETOUR

SDD "TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD"

SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY"

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

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

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

END
ROAD WORK
G20-2A
48"X24"

SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY"

END
ROAD WORK
G20-2A
48"X24"

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAIL D-ROAD CLOSURE BARRICADE DETAIL

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

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE WITH ATTACHED SIGN

NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TRAFFIC CONTROL-STAGE 2B	SHEET 463	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\025106 TC.DWG
LAYOUT NAME - 025106 tc

PLOT DATE : 4/30/2020 6:45 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:1500 FT

WISDOT/CADDS SHEET 42

2

2

N

SCHOOL DR

MEADOW DR

MAPLE DR

SUNFIELD DR

STH "29/32"

OLD 29 RD

CTH U

CTH C

GLENDALE AV

MARLEY ST

SUNNY BROOK DR

SYLVAN CT

GREENFIELD AV

MOUNTAIN BAY RECREATION TRAIL

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

MILLWOOD CT

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAIL D-ROAD CLOSURE BARRICADE DETAIL

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAIL C-MAINLINE CLOSURE, NO POSTED DETOUR

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

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

MILLTOWN RD

CTH VV

SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY"

END ROAD WORK
G20-2A
48"X24"

END ROAD WORK
G20-2A
48"X24"

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

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

OVERLAND DR

STH "29/32"

CTH FF

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE WITH ATTACHED SIGN

NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TRAFFIC CONTROL-STAGE 2C	SHEET 464	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\025107 TC.DWG
LAYOUT NAME - 025107 tc

PLOT DATE : 4/30/2020 6:45 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:1500 FT

WISDOT/CADDS SHEET 42

2

2

N

SUNFIELD DR

SCHOOL DR

STH "29/32"

OLD 29 RD

CTH U

MEADOW DR

MAPLE DR

CTH C

GLENDALE AV

MARLEY ST

SUNNY BROOK DR

SYLVAN CT

GREENFIELD AV

MOUNTAIN BAY RECREATION TRAIL

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

TRAFFIC CONTROL DETAIL-
SHOULDER CLOSURE REGULATORY
SPEED REDUCTION WITH BARRIER
WB RIGHT AND LEFT SHOULDER
CLOSED AT OVERPASS

TO
MO4-5
24"X12"

29
M1-6
24"X24"

32
M1-6B
24"X24"

MO6-1
21"X21"

MILLWOOD CT

TRAFFIC CONTROL DETAIL-
SHOULDER CLOSURE REGULATORY
SPEED REDUCTION WITH BARRIER
EB RIGHT AND LEFT SHOULDER
CLOSED AT OVERPASS

CTH VV

MILLTOWN RD

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE WITH ATTACHED SIGN

NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY"

SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURE" DETAIL D-ROAD CLOSURE BARRICADE DETAIL

SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURE" DETAIL D-ROAD CLOSURE BARRICADE DETAIL

CTH U

OVERLAND DR

STH "29/32"

CTH FF

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TRAFFIC CONTROL-STAGE 3A	SHEET 465	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\025108 TC.DWG
LAYOUT NAME - 025108 tc

PLOT DATE : 4/30/2020 6:47 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:1500 FT

WISDOT/CADDS SHEET 42

2

2

N

MEADOW DR
SCHOOL DR
MAPLE DR
SUNFIELD DR
STH "29/32"
CTH C
SUNNY BROOK DR
SYLVAN CT
GREENFIELD AV
MOUNTAIN BAY RECREATION TRAIL
OLD 29 RD
CTH U
GLENDALE AV
MARLEY ST
GLENDALE AV
CTH C
MILLWOOD CT
MILLTOWN RD
CTH VV
CTH U
OVERLAND DR
STH "29/32"
CTH FF

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

TRAFFIC CONTROL DETAIL-
SHOULDER CLOSURE REGULATORY
SPEED REDUCTION WITH BARRIER
WB RIGHT AND LEFT SHOULDER
CLOSED AT OVERPASS

TRAFFIC CONTROL DETAIL-
SHOULDER CLOSURE REGULATORY
SPEED REDUCTION WITH BARRIER
EB RIGHT AND LEFT SHOULDER
CLOSED AT OVERPASS

TO
MO4-5
24"X12"

29
32
M1-6
24"X24"
M1-6B
24"X24"

MO6-1
21"X21"

SDD "BARRICADES AND SIGNS
FOR VARIOUS CLOSURE"
DETAIL D-ROAD CLOSURE
BARRICADE DETAIL

SDD "BARRICADES AND SIGNS
FOR VARIOUS CLOSURE"
DETAIL D-ROAD CLOSURE
BARRICADE DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE WITH ATTACHED SIGN

NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TRAFFIC CONTROL-STAGE 3B	SHEET 466	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\025109 TC.DWG
LAYOUT NAME - 025109 tc

PLOT DATE : 4/30/2020 6:48 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:1500 FT

WISDOT/CADDS SHEET 42

2

2

N

SCHOOL DR

MEADOW DR

MAPLE DR

SUNFIELD DR

STH "29/32"

OLD 29 RD

CTH U

CTH C

SUNNY BROOK DR

SYLVAN CT

GREENFIELD AV

MOUNTAIN BAY RECREATION TRAIL

GLENDALE AV

MARLEY ST

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" AND SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH" WB RIGHT AND LEFT SHOULDER FOR STRUCTURE CONSTRUCTION

TO
MO4-5
24"X12"

29
M1-6
24"X24"

32
M1-6B
24"X24"

MO6-1
21"X21"

MILLWOOD CT

SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" AND SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH" EB RIGHT AND LEFT SHOULDER FOR STRUCTURE CONSTRUCTION

CTH VV

MILLTOWN RD

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAIL D-ROAD CLOSURE BARRICADE DETAIL

SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURE" DETAIL D-ROAD CLOSURE BARRICADE DETAIL

OVERLAND DR

CTH FF

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE WITH ATTACHED SIGN

NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TRAFFIC CONTROL-STAGE 4A	SHEET 467	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\025110 TC.DWG
LAYOUT NAME - 025110 tc

PLOT DATE : 4/30/2020 6:48 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:1500 FT

WISDOT/CADDS SHEET 42

2

2

N

SCHOOL DR

MEADOW DR

MAPLE DR

SUNFIELD DR

STH "29/32"

OLD 29 RD

CTH U

CTH C

GLENDALE AV

MARLEY ST

SUNNY BROOK DR

SYLVAN CT

GREENFIELD AV

MOUNTAIN BAY RECREATION TRAIL

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

TO
MO4-5
24"X12"

29
M1-6
24"X24"

32
M1-6B
24"X24"

MO6-1
21"X21"

MILLWOOD CT

CTH VV

MILLTOWN RD

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

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE WITH ATTACHED SIGN

NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAIL D-ROAD CLOSURE BARRICADE DETAIL

SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURE" DETAIL D-ROAD CLOSURE BARRICADE DETAIL

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAIL B-MAINLINE CLOSURE, WITH POSTED DETOUR

OVERLAND DR

CTH FF

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TRAFFIC CONTROL-STAGE 4B	SHEET 468 E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\025111 TC.DWG
LAYOUT NAME - 025111 tc

PLOT DATE : 4/30/2020 6:49 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:1500 FT

WISDOT/CADDS SHEET 42

2

2

N

SCHOOL DR

MEADOW DR

MAPLE DR

SUNFIELD DR

STH "29/32"

OLD 29 RD

CTH U

CTH C

SUNNY BROOK DR

SYLVAN CT

GREENFIELD AV

MOUNTAIN BAY RECREATION TRAIL

GLENDALE AV

MARLEY ST

MILLWOOD CT

CTH VV

MILLTOWN RD

OVERLAND DR

CTH FF

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" AND SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH" WB RIGHT SHOULDER AND LAND CLOSED FOR RAMP CONSTRUCTION

SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" AND SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH" EB RIGHT SHOULDER AND LAND CLOSED FOR RAMP CONSTRUCTION

TO
MO4-5
24"X12"

29 / 32
M1-6
24"X24"
M1-6B
24"X24"

MO6-1
21"X21"

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

SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURE" DETAIL D-ROAD CLOSURE BARRICADE DETAIL

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAIL B-MAINLINE CLOSURE, WITH POSTED DETOUR

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE WITH ATTACHED SIGN

NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

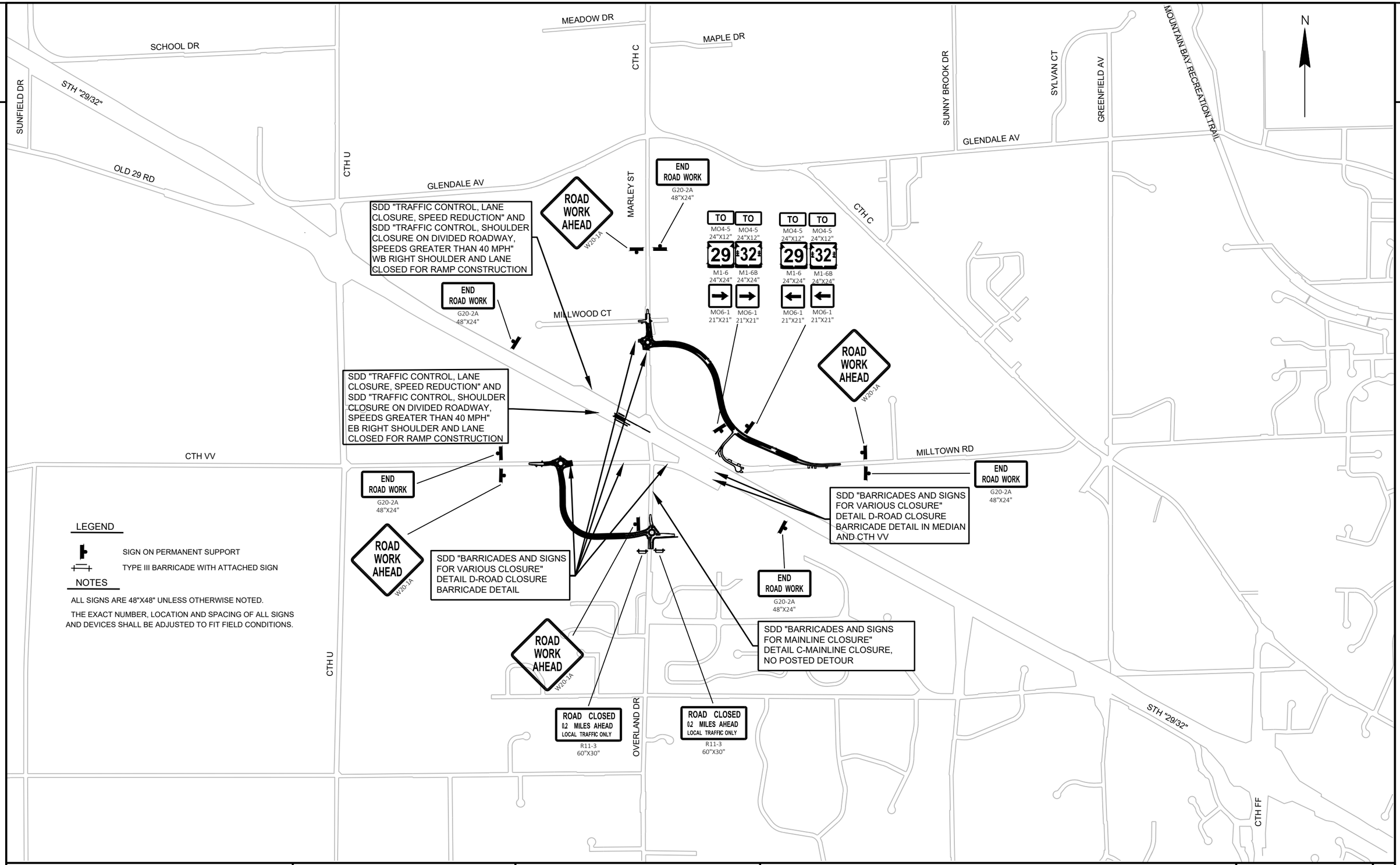
THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TRAFFIC CONTROL-STAGE 5A	SHEET 469	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\025112 TC.DWG
LAYOUT NAME - 025112 tc

PLOT DATE : 4/30/2020 6:50 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:1500 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TRAFFIC CONTROL-STAGE 5B	SHEET 470	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\025113 TC.DWG
LAYOUT NAME - 025113 tc

PLOT DATE : 4/30/2020 6:51 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:1500 FT

2

2

N

STH 32

SUNFIELD DR

SCHOOL DR

STH "29/32"

OLD 29 RD

CTH Y

CTH U

GLENDALE AV

MEADOW DR

CTH C

MAPLE DR

SUNNY BROOK DR

SYLVAN CT

MARLEY ST

MILLWOOD CT

MILLTOWN RD

CTH VV

LAND DR

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

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

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAIL C-MAINLINE CLOSURE, NO POSTED DETOUR

SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURE" DETAIL D-ROAD CLOSURE BARRICADE DETAIL

SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" AND SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH" WB RIGHT SHOULDER AND LANE CLOSED FOR RAMP CONSTRUCTION

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAIL D-ROAD CLOSURE BARRICADE DETAIL FOR RCUT AND TEMPORARY ROAD CLOSURE

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE WITH ATTACHED SIGN

NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TRAFFIC CONTROL-STAGE 6A	SHEET 471	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\025114 TC.DWG
LAYOUT NAME - 025114 tc

PLOT DATE : 4/30/2020 6:52 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:1500 FT

WISDOT/CADDS SHEET 42

2

2

N

STH 32

SUNFIELD DR

SCHOOL DR

STH "29/32"

OLD 29 RD

CTH Y

CTH U

CTH VV

MEADOW DR

MAPLE DR

CTH C

SUNNY BROOK DR

SYLVAN CT

GLENDALE AV

MARLEY ST

MILLWOOD CT

MILLTOWN RD

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

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

R3-1
36"X36"

END
ROAD WORK
G20-2A
48"X24"

ROAD
WORK
AHEAD
W20-1A

R3-2
36"X36"

SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURE" DETAIL D-ROAD CLOSURE BARRICADE DETAIL FOR RCUT TO SOUTH CLOSURE

SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" AND SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH" WB LEFT SHOULDER AND LANE CLOSED FOR RCUT REMOVAL

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAIL C-MAINLINE CLOSURE, NO POSTED DETOUR

SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURE" DETAIL D-ROAD CLOSURE BARRICADE DETAIL

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAIL C-MAINLINE CLOSURE, NO POSTED DETOUR

SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" AND SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH" EB RIGHT SHOULDER AND LANE CLOSED FOR ROADWAY REMOVAL OR EB LEFT SHOULDER AND LANE CLOSED FOR RCUT REMOVAL

SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" AND SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH" WB RIGHT SHOULDER AND LANE CLOSED FOR RCUT REMOVAL OR WB LEFT SHOULDER AND LANE CLOSED FOR RCUT REMOVAL

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

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

SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" AND SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH" EB LEFT SHOULDER AND LANE CLOSED FOR RCUT REMOVAL

END
ROAD WORK
G20-2A
48"X24"

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE WITH ATTACHED SIGN

NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TRAFFIC CONTROL-STAGE 6B	SHEET 472	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\025115 TC.DWG
LAYOUT NAME - 025115 tc

PLOT DATE : 4/30/2020 6:52 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:1500 FT

WISDOT/CADDS SHEET 42

2

2

N

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

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

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

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

END
ROAD WORK
G20-2A
48"X24"

R3-2
36"X36"

R3-1
36"X36"

R3-1
36"X36"

R3-2
36"X36"

END
ROAD WORK
G20-2A
48"X24"

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

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

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAIL C-MAINLINE CLOSURE, NO POSTED DETOUR

SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURE" DETAIL D-ROAD CLOSURE BARRICADE DETAIL

SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAIL C-MAINLINE CLOSURE, NO POSTED DETOUR

SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURE" DETAIL D-ROAD CLOSURE BARRICADE DETAIL

SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" AND SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH" EB RIGHT SHOULDER AND LANE CLOSED FOR ROADWAY REMOVAL OR EB LEFT SHOULDER AND LANE CLOSED FOR RCUT REMOVAL

SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" AND SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH" WB RIGHT SHOULDER AND LANE CLOSED FOR RCUT REMOVAL OR WB LEFT SHOULDER AND LANE CLOSED FOR RCUT REMOVAL

SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" AND SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH" EB LEFT SHOULDER AND LANE CLOSED FOR RCUT REMOVAL

STH 32
SUNFIELD DR
STH "29/32"
OLD 29 RD
CTH Y
SCHOOL DR
CTH U
CTH VV
MEADOW DR
MAPLE DR
CTH C
MARLEY ST
SUNNY BROOK DR
SYLVAN CT
GLENDALE AV
MILLWOOD CT
MILLTOWN RD
AND DR

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE WITH ATTACHED SIGN

NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TRAFFIC CONTROL-STAGE 6C	SHEET 473	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\025116 TC.DWG
LAYOUT NAME - 025116 tc

PLOT DATE : 4/30/2020 6:52 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:1500 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN

NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

N

2

MILLWOOD CT.

799'M'

MARLEY ST.

61'SB'
62'SB'
63'SB'
64'SB'
66'SB'
67'SB'
62'NB'
63'NB'
64'NB'
65'NB'
66'NB'
67'NB'
10' TYP.

ROAD WORK AHEAD
W20-1A

WO1-4L

W1-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

END ROAD WORK
G20-2A
48"X24"

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TRAFFIC CONTROL-MARLEY ST.	SHEET 474	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\025117 TC.DWG
LAYOUT NAME - 025117 tc

PLOT DATE : 4/30/2020 6:52 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

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N

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN

NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

MARLEY STREET

CONNECTION RD.

TEMPORARY RD.

11'TCR'

25' TYP.

10' TYP.

STOP
R1-1
30"X30"

ROAD CLOSED
R11-2
48"X30"

18" RCCP

12" CMCP

18" CMCP

WELL

CANOPY

FUEL PIPES

BLDG

ASPHALT

POST

ASPH CE

SIGN

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	TRAFFIC CONTROL-TEMPORARY ROAD	SHEET 475	E

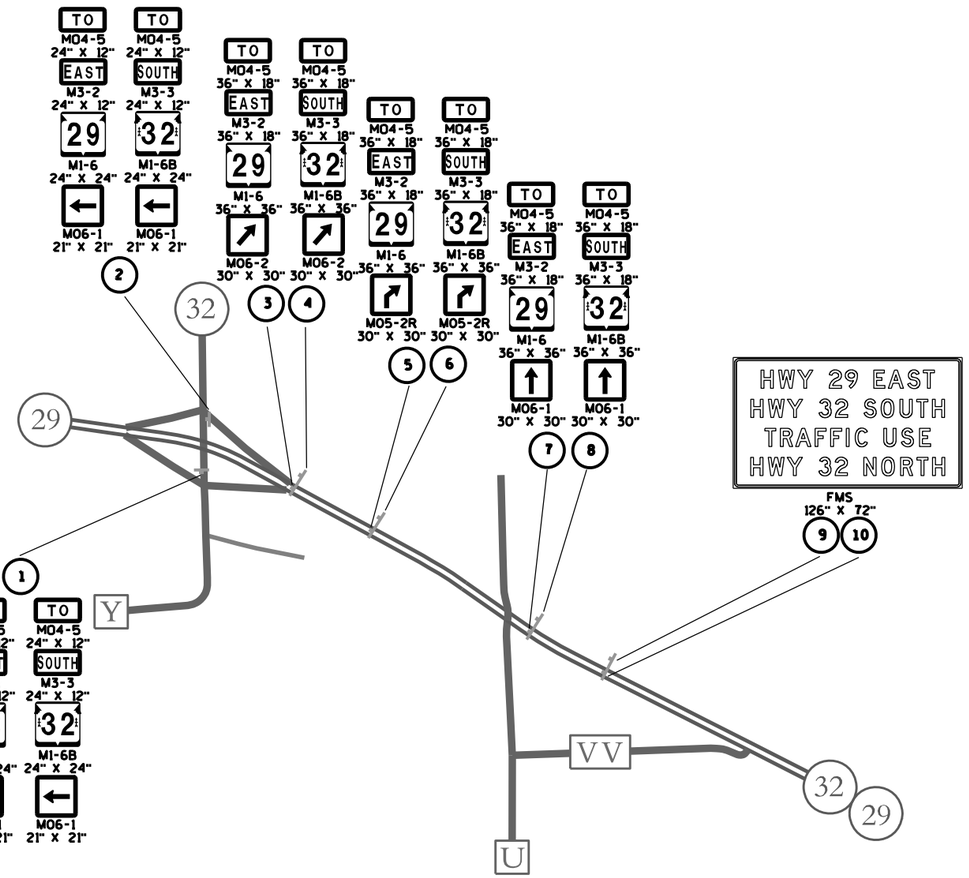
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\025118 TC.DWG
LAYOUT NAME - 025118 tc

PLOT DATE : 4/30/2020 6:52 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

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LEGEND

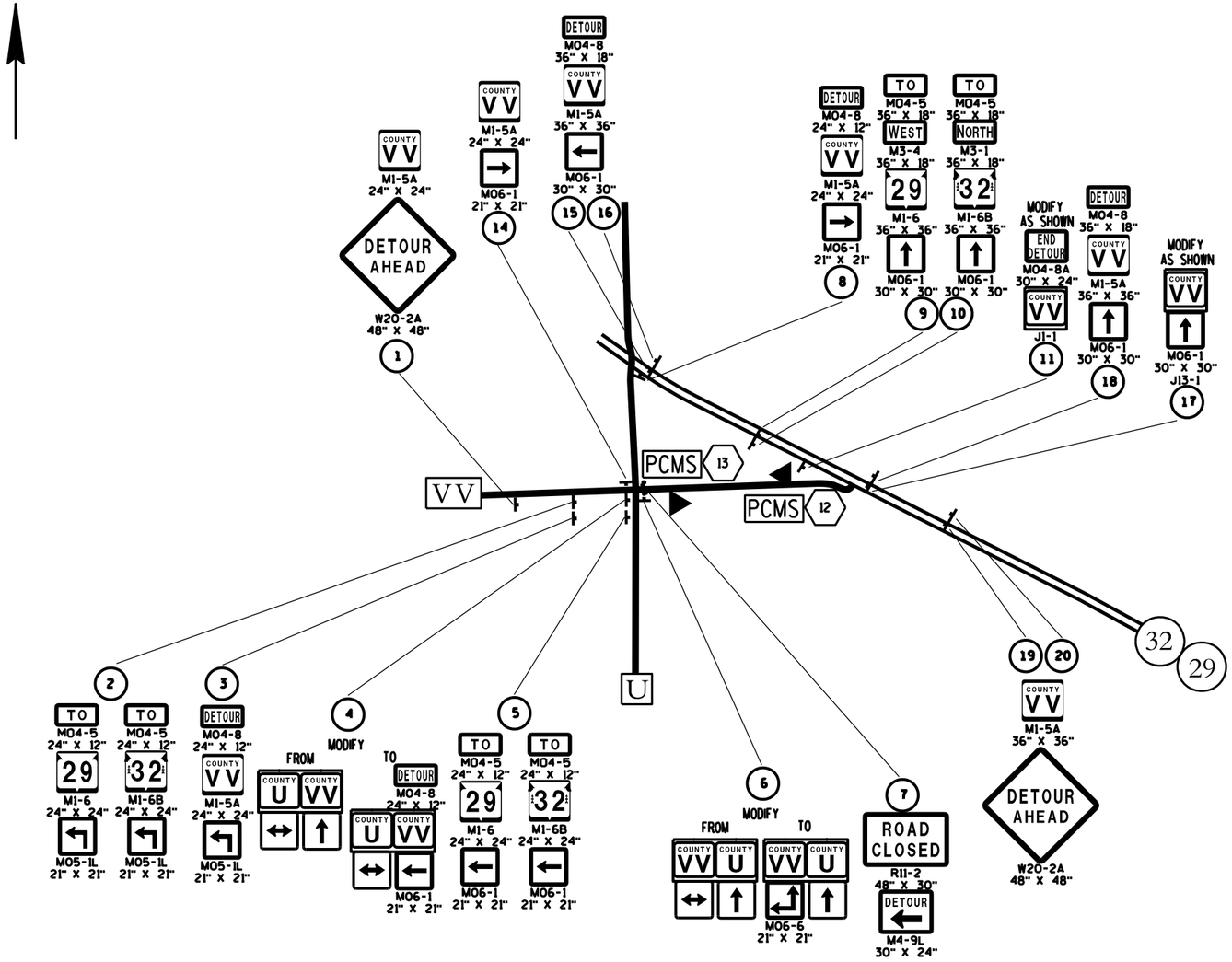
- (x) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (x) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

PLAN SHEET PRODUCED
BY WisDOT-NE REGION

PROJECT NO: 9200-10-71	HWY: STH 29/32	COUNTY: BROWN	DETOUR SIGNING DETAIL - WEST RCUT CLOSURE	SHEET 476	E

2

N



LEGEND

- (x) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (x) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 9200-10-71	HWY: STH 29/32	COUNTY: BROWN	DETOUR SIGNING DETAIL - CTH VV CLOSURE	SHEET 477	E

CP#132
3/4-INCH REBAR WITH CAP
STA. 470+72.29'EB'-62.46' LT.
Y=593636.288
X=52813.867

STH 29 WESTBOUND
CONSTRUCTION R/L

PC: 459+17.53
Y = 594282.920
X = 51849.243

PT: 472+15.96
STA BACK = 472+17.54
STA AHEAD = 472+09.37

EQUATION

BM #201
Y=594450
X=54133

CP#131
3/4-INCH REBAR WITH CAP
EAST OF STORAGE BUILDING"A"
75' SOUTH OF PP#2519 33 R39
STA. 476+00.35'EB'-1359.82' LT.
Y=594367.128
X=55008.800

PC: 491+51.04

CP#130
3/4-INCH REBAR WITH CAP
STA. 499+00.42'EB'-19.46' LT.
Y=591954.276
X=55084.311

PT: 507+76.61

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
200	490+61'EB'	CHISELED BOX ON LPOL - 247.8' RT.	772.74
201	476+51'EB'	SW CORNER OF FRONT STOOP OF HOUSE #1884 ON CTH U - 1500.5' LT.	758.44

455'WB' 460'WB' 465'WB' 470'WB' 475'WB' S53° 35' 57"E 480'WB' 485'WB' 490'WB' 495'WB' 500'WB' 505'WB' 510'WB' S61° 40' 35"E 515'WB' 520'WB' 525'WB' 530'WB'
455'EB' 460'EB' 465'EB' 470'EB' 475'EB' 480'EB' S53° 35' 54"E 485'EB' 490'EB' 495'EB' 500'EB' 505'EB' 510'EB' 515'EB' 520'EB' 525'EB' 530'EB'
S61° 40' 30"E

C1 C2 C3 C4 C5

STH 29 EASTBOUND
CONSTRUCTION R/L

PC: 457+02.13
Y = 594338.313
X = 51632.612

PT: 470+00.73
STA BACK = 472+17.54
STA AHEAD = 472+09.37

BEGIN PROJECT
STA. 479+68'EB'
Y = 593054.462
X = 53497.741

N64° 13' 53"W

OLD STH 29

115'OH' 110'OH' 105'OH' 100'OH'

EP: 115+39.80
Y = 592958.878
X = 53252.315

PT: 111+19.57

PC: 102+08.63

N1° 34' 30"W

BP: 95+26.77
Y = 591367.314
X = 54120.048

PC: 489+83.99

BM #200
Y=592206
X=54231

PT: 505+99.32
STA BACK = 507+64.17
STA AHEAD = 507+74.32

EQUATION

CURVE DATA

C1
PI STA = 463+52.13'EB'
Y = 594014.213
X = 52196.044
DELTA = 6°29'35"
D = 0°30'00"
T = 650.00'
L = 1298.60'
R = 11459.16'
PC STA = 457+02.13'EB'
Y = 594338.313
X = 51632.612
PT STA = 470+00.73'EB'
Y = 593628.478
X = 52719.212
BK = S60°05'29"E
AH = S53°35'54"E

C2
PI STA = 497+92.99'EB'
Y = 591971.435
X = 54966.636
DELTA = 8°04'36"
D = 0°30'00"
T = 809.00'
L = 1615.33'
R = 11459.16'
PC STA = 489+83.99'EB'
Y = 592451.531
X = 54315.488
PT STA = 505+99.32'EB'
Y = 591587.585
X = 55678.778
BK = S53°35'54"E
AH = S61°40'30"E

CURVE DATA

C5
PI STA = 107+15.67'OH'
Y = 592555.760
X = 54087.371
DELTA = 62°39'23"
D = 6°52'42"
T = 507.03'
L = 910.94'
R = 833.00'
PC STA = 102+08.63'OH'
Y = 592048.918
X = 54101.307
PT STA = 111+19.57'OH'
Y = 592776.187
X = 53630.758
BK = N01°34'30"W
AH = N64°13'53"W

CURVE DATA

C3
PI STA = 465+67.44'WB'
Y = 593958.863
X = 52412.600
DELTA = 6°29'32"
D = 0°30'00"
T = 649.91'
L = 1298.43'
R = 11459.16'
PC STA = 459+17.53'WB'
Y = 594282.920
X = 51849.243
PT STA = 472+15.96'WB'
Y = 593573.187
X = 52935.704
BK = S60°05'29"E
AH = S53°35'57"E

C4
PI STA = 499+60.09'WB'
Y = 591939.893
X = 55150.988
DELTA = 8°04'38"
D = 0°30'00"
T = 809.05'
L = 1615.42'
R = 11459.16'
PC STA = 491+51.04'WB'
Y = 592420.009
X = 54499.793
PT STA = 507+76.61'WB'
Y = 591556.037
X = 55863.182
BK = S53°35'57"E
AH = S61°40'35"E

BM #205
Y=591492
X=58414

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
202	553+49'EB'	NW CORNER OF BOTTOM STEP OF HOUSE #5078 OVERLAND DR. - 844.4' RT.	760.16
203	566+44'EB'	TOP OF NW BOLT OF NORTH PYLON MAPLE WOOD MEATS SIGN - 284.7' LT.	759.98

BM #204
Y=589201
X=62850

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
204	580+44'EB'	SW CORNER OF THE BOTTOM STEP OF HOUSE #4516 MILLTOWN RD. - 1301.7' LT.	756.03
205	530+52'EB'	RR SPK IN PPOL # 2 AA 54 ON MILLWOOD CT. - 1214.0' LT.	759.04

STH 29 WESTBOUND
CONSTRUCTION R/L

BM #203
Y=588970
X=61135

STA. 600+00.00 STH 29 'WB'
Y = 587179.985
X = 63982.365

530'WB' 535'WB' 540'WB' 545'WB' 550'WB' 555'WB' 560'WB' S61° 40' 35"E 565'WB' 570'WB' 575'WB' 580'WB' 585'WB' 590'WB' 595'WB' 600'WB' 605'WB'
530'EB' 535'EB' 540'EB' 545'EB' 550'EB' 555'EB' 560'EB' 565'EB' 570'EB' 575'EB' 580'EB' 585'EB' 590'EB' 595'EB' 600'EB' 605'EB'
S61° 40' 30"E

N84° 11' 32"E
S65° 50' 37"E
685'T'
TRIANGLE DR.

C133

PT: 686+01.58
PC: 685+07.45
EP: 687+25.00
Y = 589039.426
X = 60157.736

BP: 684+85.00
Y = 589050.962
X = 59922.595

CP#134
3/4-INCH REBAR WITH CAP
STA. 552+27.66'EB'-722.63' RT.
Y=588755.452
X=59410.107

BM #202
Y=588591
X=59459

STH 29 EASTBOUND
CONSTRUCTION R/L

END PROJECT
STA. 579+55'EB'
Y = 588097.517
X = 62153.769

STA. 600+00.00 STH 29 'EB'
Y = 587127.221
X = 63953.924

CP#136
3/4-INCH REBAR WITH CAP
STA. 583+55.12'EB'-13.94' LT.
Y=587919.940
X=62512.595

CURVE DATA

C133
PI STA = 685+55.62'T'
Y = 589022.063
X = 59987.030
DELTA = 29°57'51"
D = 31°49'52"
T = 48.17'
L = 94.14'
R = 180.00'
PC STA = 685+07.45'T'
Y = 589041.776
X = 59943.077
PT STA = 686+01.58'T'
Y = 589026.937
X = 60034.953
BK = S65°50'37"E
AH = N84°11'32"E

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	ALIGNMENT DIAGRAM	SHEET 478	E

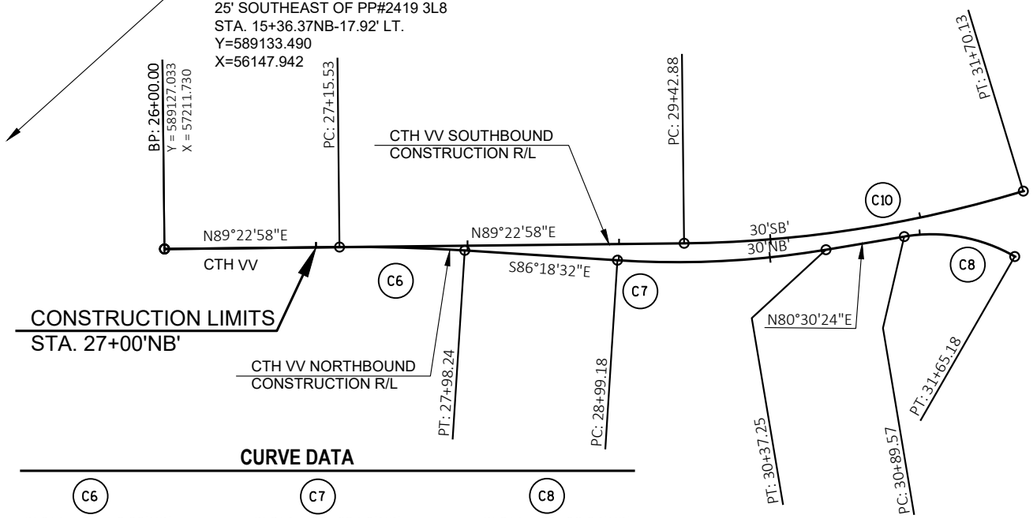
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CURVE DATA

C10

PI STA = 30+57.28'SB'
Y = 589131.959
X = 57668.981
DELTA = 16°16'33"
D = 7°09'43"
T = 114.40'
L = 227.25'
R = 800.00'
PC STA = 29+42.88'SB'
Y = 589130.727
X = 57554.591
PT STA = 31+70.13'SB'
Y = 589165.201
X = 57778.442
BK = N89°22'58"E
AH = N73°06'25"E

CP#133
3/4-INCH REBAR WITH CAP
NEAR FIELD ENTRANCE
25' SOUTHEAST OF PP#2419 3L8
STA. 15+36.37NB-17.92' LT.
Y=589133.490
X=56147.942



CURVE DATA

C6

PI STA = 27+56.90'NB'
Y = 589128.723
X = 57368.625
DELTA = 4°18'30"
D = 5°12'31"
T = 41.38'
L = 82.71'
R = 1100.00'
PC STA = 27+15.53'NB'
Y = 589128.277
X = 57327.251
PT STA = 27+98.24'NB'
Y = 589126.060
X = 57409.915
BK = N89°22'58"E
AH = S86°18'32"E

C7

PI STA = 29+68.52'NB'
Y = 589115.097
X = 57579.845
DELTA = 13°11'04"
D = 9°32'57"
T = 69.34'
L = 138.07'
R = 600.00'
PC STA = 28+99.18'NB'
Y = 589119.561
X = 57510.650
PT STA = 30+37.25'NB'
Y = 589126.534
X = 57648.235
BK = S86°18'32"E
AH = N80°30'24"E

C8

PI STA = 31+28.94'NB'
Y = 589141.656
X = 57738.667
DELTA = 39°23'00"
D = 52°05'13"
T = 39.37'
L = 75.61'
R = 110.00'
PC STA = 30+89.57'NB'
Y = 589135.163
X = 57699.838
PT STA = 31+65.18'NB'
Y = 589122.038
X = 57772.798
BK = N80°30'24"E
AH = S60°06'36"E

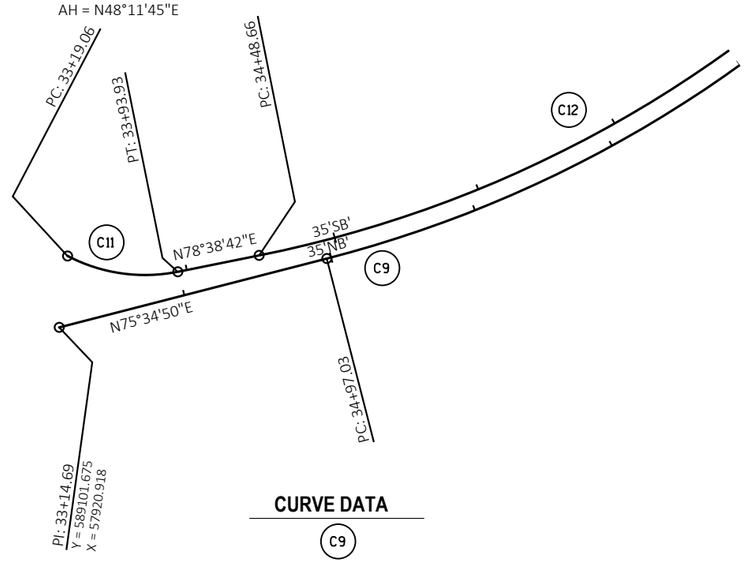
CURVE DATA

C11

PI STA = 33+58.01'SB'
Y = 589130.715
X = 57960.963
DELTA = 39°00'01"
D = 52°05'13"
T = 38.95'
L = 74.88'
R = 110.00'
PC STA = 33+19.06'SB'
Y = 589148.789
X = 57926.457
PT STA = 33+93.93'SB'
Y = 589138.384
X = 57999.154
BK = S62°21'16"E
AH = N78°38'42"E

C12

PI STA = 36+66.39'SB'
Y = 589192.027
X = 58266.279
DELTA = 30°26'58"
D = 7°09'43"
T = 217.73'
L = 425.15'
R = 800.00'
PC STA = 34+48.66'SB'
Y = 589149.160
X = 58052.815
PT STA = 38+73.82'SB'
Y = 589337.160
X = 58428.577
BK = N78°38'42"E
AH = N48°11'45"E



CURVE DATA

C9

PI STA = 36+94.86'NB'
Y = 589196.343
X = 58289.108
DELTA = 27°23'06"
D = 7°03'22"
T = 197.83'
L = 388.10'
R = 812.00'
PC STA = 34+97.03'NB'
Y = 589147.080
X = 58097.509
PT STA = 38+85.13'NB'
Y = 589328.215
X = 58436.576
BK = N75°34'50"E
AH = N48°11'45"E

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	ALIGNMENT DIAGRAM	SHEET 479	E

2

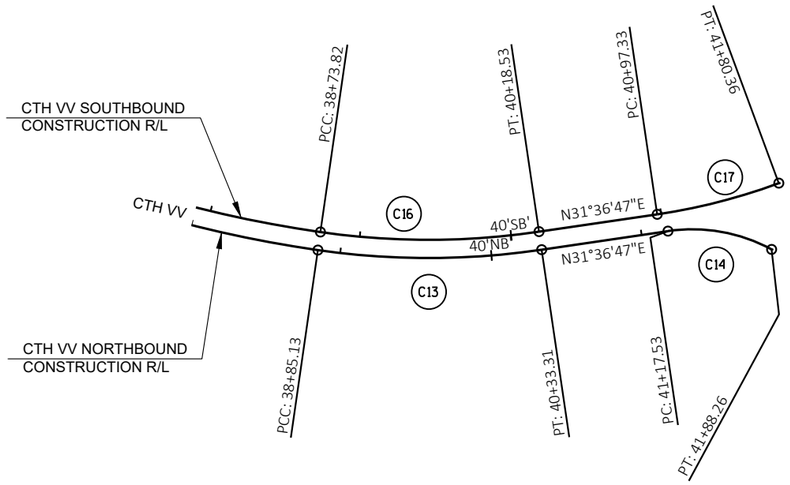
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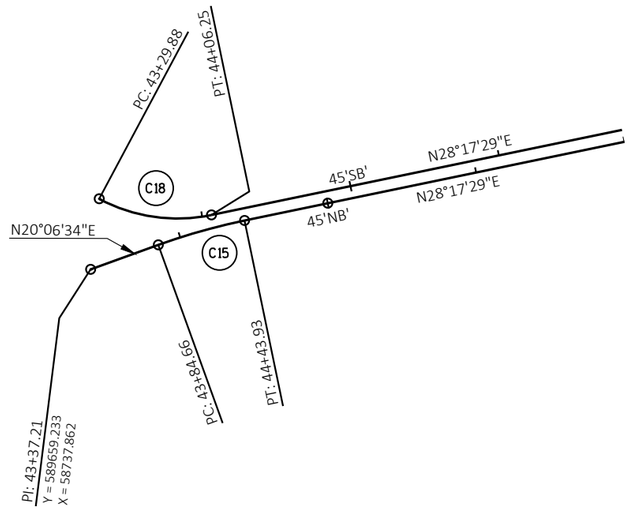
C16	C17
PI STA = 39+46.68'SB'	PI STA = 41+39.00'SB'
Y = 589385.731	Y = 589550.374
X = 58482.893	X = 58584.234
DELTA = 16°34'58"	DELTA = 11°53'33"
D = 11°27'33"	D = 14°19'26"
T = 72.86'	T = 41.66'
L = 144.71'	L = 83.03'
R = 500.00'	R = 400.00'
PC STA = 38+73.82'SB'	PC STA = 40+97.33'SB'
Y = 589337.160	Y = 589514.894
X = 58428.577	X = 58562.395
PT STA = 40+18.53'SB'	PT STA = 41+80.36'SB'
Y = 589447.783	Y = 589589.593
X = 58521.087	X = 58598.292
BK = N48°11'45"E	BK = N31°36'47"E
AH = N31°36'47"E	AH = N19°43'14"E

CURVE DATA

C18

PI STA = 43+69.68'SB'
Y = 589708.348
X = 58742.745
DELTA = 39°46'40"
D = 52°05'13"
T = 39.80'
L = 76.37'
R = 110.00'
PC STA = 43+29.88'SB'
Y = 589693.485
X = 58705.830
PT STA = 44+06.25'SB'
Y = 589743.390
X = 58761.607
BK = N68°04'08"E
AH = N28°17'29"E





CURVE DATA

C13	C14
PI STA = 39+59.74'NB'	PI STA = 41+54.17'NB'
Y = 589377.952	Y = 589544.414
X = 58492.195	X = 58594.656
DELTA = 16°34'58"	DELTA = 36°50'32"
D = 11°11'26"	D = 52°05'13"
T = 74.61'	T = 36.64'
L = 148.18'	L = 70.73'
R = 512.00'	R = 110.00'
PC STA = 38+85.13'NB'	PC STA = 41+17.53'NB'
Y = 589328.215	Y = 589513.214
X = 58436.576	X = 58575.452
PT STA = 40+33.31'NB'	PT STA = 41+88.26'NB'
Y = 589441.493	Y = 589557.868
X = 58531.306	X = 58628.734
BK = N48°11'45"E	BK = N31°36'47"E
AH = N31°36'47"E	AH = N68°27'19"E

CURVE DATA

C15

PI STA = 44+14.35'NB'
Y = 589731.669
X = 58764.383
DELTA = 8°10'55"
D = 13°48'22"
T = 29.68'
L = 59.26'
R = 415.00'
PC STA = 43+84.66'NB'
Y = 589703.797
X = 58754.178
PT STA = 44+43.93'NB'
Y = 589757.805
X = 58778.451
BK = N20°06'34"E
AH = N28°17'29"E

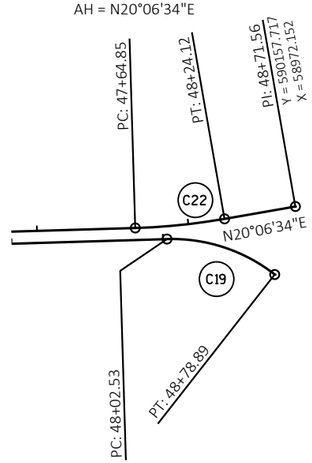
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	ALIGNMENT DIAGRAM	SHEET 480	E

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CURVE DATA

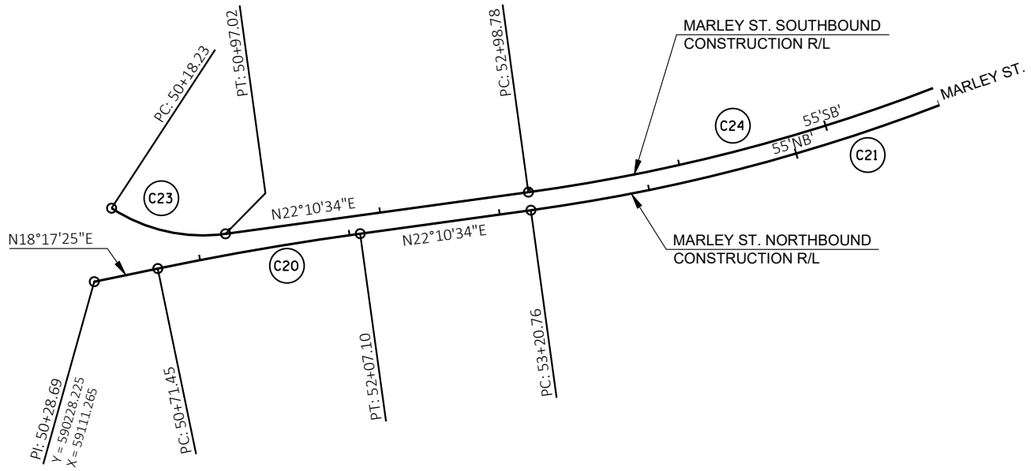
C22

PI STA = 47+94.54'SB'
Y = 590085.293
X = 58945.635
DELTA = 8°10'55"
D = 13°48'22"
T = 29.68'
L = 59.26'
R = 415.00'
PC STA = 47+64.85'SB'
Y = 590059.157
X = 58931.568
PT STA = 48+24.12'SB'
Y = 590113.165
X = 58955.840
BK = N28°17'29"E
AH = N20°06'34"E



CURVE DATA

C23	C24
PI STA = 50+59.40'SB'	PI STA = 55+48.99'SB'
Y = 590280.903	Y = 590737.563
X = 59111.683	X = 59297.821
DELTA = 41°02'16"	DELTA = 23°33'21"
D = 52°05'13"	D = 4°46'29"
T = 41.17'	T = 250.21'
L = 78.79'	L = 493.35'
R = 110.00'	R = 1200.00'
PC STA = 50+18.23'SB'	PC STA = 52+98.78'SB'
Y = 590262.350	Y = 590505.863
X = 59074.932	X = 59203.378
PT STA = 50+97.02'SB'	PT STA = 57+92.13'SB'
Y = 590319.026	Y = 590987.700
X = 59127.222	X = 59291.797
BK = N63°12'50"E	BK = N22°10'34"E
AH = N22°10'34"E	AH = N01°22'47"W



CURVE DATA

C19

PI STA = 48+42.32'NB'
Y = 590108.609
X = 58967.271
DELTA = 39°46'23"
D = 52°05'13"
T = 39.79'
L = 76.36'
R = 110.00'
PC STA = 48+02.53'NB'
Y = 590073.572
X = 58948.412
PT STA = 48+78.89'NB'
Y = 590123.474
X = 59004.180
BK = N28°17'29"E
AH = N68°03'52"E

CURVE DATA

C20	C21
PI STA = 51+39.30'NB'	PI STA = 55+73.47'NB'
Y = 590333.253	Y = 590735.351
X = 59145.979	X = 59309.877
DELTA = 3°53'10"	DELTA = 23°33'21"
D = 2°51'53"	D = 4°43'39"
T = 67.85'	T = 252.71'
L = 135.65'	L = 498.28'
R = 2000.00'	R = 1212.00'
PC STA = 50+71.45'NB'	PC STA = 53+20.76'NB'
Y = 590268.831	Y = 590501.333
X = 59124.686	X = 59214.490
PT STA = 52+07.10'NB'	PT STA = 58+19.04'NB'
Y = 590396.083	Y = 590987.989
X = 59171.590	X = 59303.793
BK = N18°17'25"E	BK = N22°10'34"E
AH = N22°10'34"E	AH = N01°22'47"W

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	ALIGNMENT DIAGRAM	SHEET 481	E

2

CURVE DATA

C27

PI STA = 59+08.72'SB'
Y = 591104.259
X = 59288.990
DELTA = 5°24'06"
D = 11°27'33"
T = 23.59'
L = 47.14'
R = 500.00'
PC STA = 58+85.13'SB'
Y = 591080.679
X = 59289.557
PT STA = 59+32.27'SB'
Y = 591127.681
X = 59286.204
BK = N01°22'47"W
AH = N06°46'53"W

CP#135
3/4-INCH REBAR WITH CAP
NEAR HOUSE NO. 4969-MILLWOOD COURT
20' NORTH OF PP#2AA54
STA. 63+98.27'NB'-929.48' LT.
Y=591509.071
X=58419.354

N

CURVE DATA

C28

PI STA = 61+20.14'SB'
Y = 591302.583
X = 59349.612
DELTA = 40°26'03"
D = 52°05'13"
T = 40.51'
L = 77.63'
R = 110.00'
PC STA = 60+79.63'SB'
Y = 591269.501
X = 59326.233
PT STA = 61+57.26'SB'
Y = 591342.927
X = 59345.951
BK = N35°14'53"E
AH = N05°11'09"W

CURVE DATA

C29

PI STA = 63+20.51'SB'
Y = 591505.505
X = 59331.195
DELTA = 4°58'52"
D = 7°29'23"
T = 33.28'
L = 66.51'
R = 765.00'
PC STA = 62+87.23'SB'
Y = 591472.366
X = 59334.203
PT STA = 63+53.74'SB'
Y = 591538.780
X = 59331.076
BK = N05°11'09"W
AH = N00°12'17"W

BP: 797+00.00'MW'
Y = 591548.001
X = 59047.329

MILLWOOD CT.
CONSTRUCTION R/L

N78°49'46"E

STA. 63+73.71'SB' MARLEY ST =
STA. 799+83.88'MW' MILLWOOD CT.
Y = 591558.752
X = 59331.005

EQUATION

STA BACK = 64+95.14
STA AHEAD = 65+25.00

MARLEY ST. SOUTHBOUND
CONSTRUCTION R/L

MARLEY ST.

MARLEY ST. NORTHBOUND
CONSTRUCTION R/L

CONSTRUCTION LIMITS
STA. 66+00'NB'
Y = 591755.230
X = 59346.303

PT: 57+92.13
PC: 58+85.13
PT: 59+32.27
N01°22'47"W
N01°22'47"W
PT: 58+19.04
PC: 58+70.95
PT: 59+50.96

PC: 60+79.63
PT: 61+57.26
PC: 62+87.23
PT: 63+53.74
N05°11'09"W
N04°49'19"W
PI: 61+01.51
Y = 591257.769
X = 59372.214

N00°12'17"W
65'NB'
70'SB'
70'NB'
N00°12'17"W

PC: 63+70.48
PT: 64+32.12

STA. 64+04.14'NB' MARLEY ST =
STA. 800+00.40'MW' MILLWOOD CT.
Y = 591559.378
X = 59347.515

CURVE DATA

C25

PI STA = 59+12.82'NB'
Y = 591081.738
X = 59301.535
DELTA = 41°40'20"
D = 52°05'13"
T = 41.86'
L = 80.00'
R = 110.00'
PC STA = 58+70.95'NB'
Y = 591039.886
X = 59302.543
PT STA = 59+50.96'NB'
Y = 591113.670
X = 59328.609
BK = N01°22'47"W
AH = N40°17'33"E

CURVE DATA

C26

PI STA = 64+01.32'NB'
Y = 591556.515
X = 59347.013
DELTA = 4°37'02"
D = 7°29'23"
T = 30.84'
L = 61.65'
R = 765.00'
PC STA = 63+70.48'NB'
Y = 591525.783
X = 59349.605
PT STA = 64+32.12'NB'
Y = 591587.355
X = 59346.903
BK = N04°49'19"W
AH = N00°12'17"W

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	ALIGNMENT DIAGRAM	SHEET 482	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\027202 AD.DWG
LAYOUT NAME - 027205 ad
PLOT DATE : 4/29/2020 1:47 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:100 FT

CURVE DATA

C38
PI STA = 929+91.76'FJ'
Y = 589148.371
X = 57614.277
DELTA = 11°01'51"
D = 8°14'38"
T = 67.11'
L = 133.81'
R = 695.00'
PC STA = 929+24.65'FJ'
Y = 589147.648
X = 57547.171
PT STA = 930+58.45'FJ'
Y = 589161.921
X = 57680.006
BK = N89°22'58"E
AH = N78°21'06"E

C39
PI STA = 931+30.79'FJ'
Y = 589174.868
X = 57750.931
DELTA = 8°32'02"
D = 19°05'55"
T = 22.38'
L = 44.68'
R = 300.00'
PC STA = 931+08.41'FJ'
Y = 589168.803
X = 57729.385
PT STA = 931+53.09'FJ'
Y = 589184.065
X = 57771.338
BK = N74°16'34"E
AH = N65°44'31"E

C41
PI STA = 932+51.37'FJ'
Y = 589224.440
X = 57860.934
DELTA = 62°25'39"
D = 73°27'22"
T = 47.26'
L = 84.99'
R = 78.00'
PC STA = 932+04.10'FJ'
Y = 589205.021
X = 57817.843
PT STA = 932+89.09'FJ'
Y = 589195.231
X = 57898.093
BK = N65°44'31"E
AH = S51°49'49"E

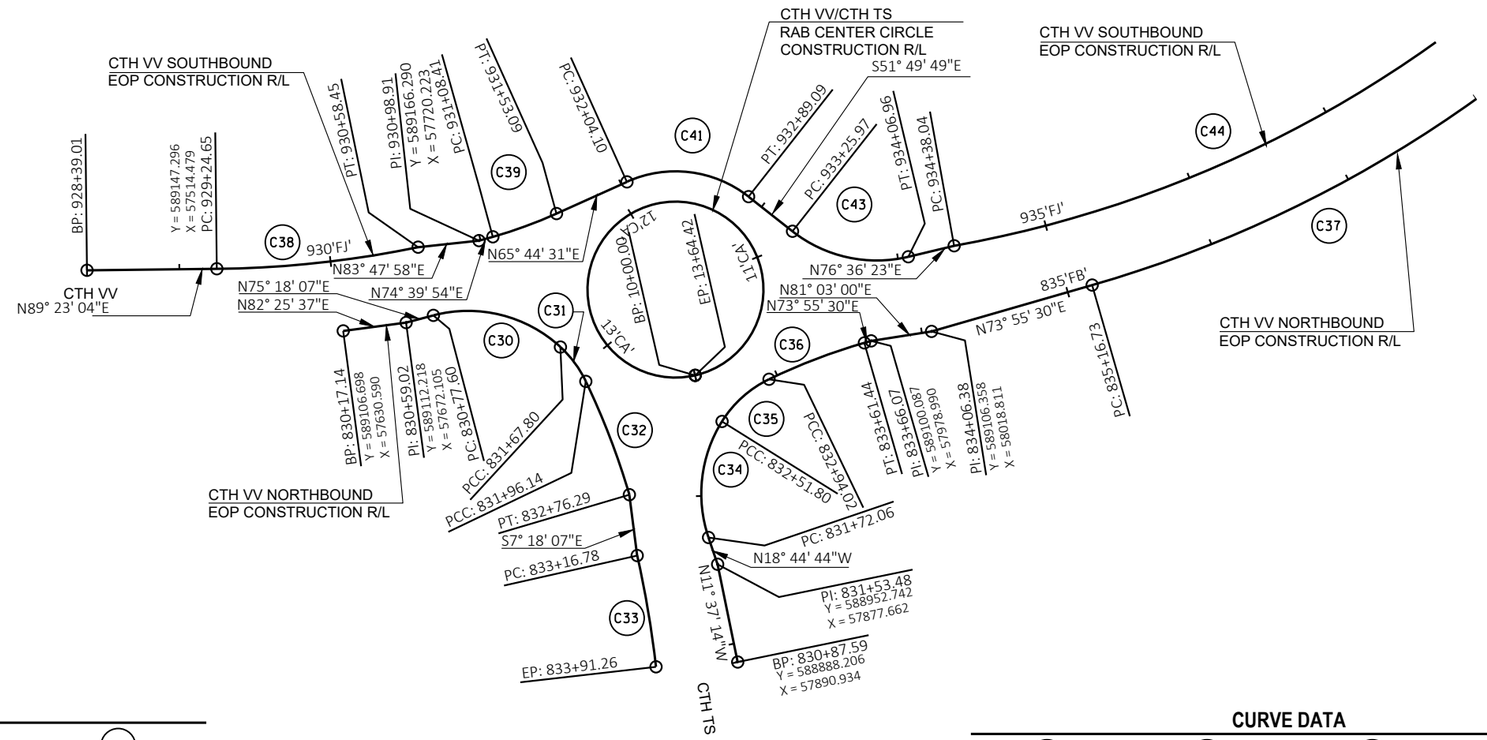
C43
PI STA = 933+69.44'FJ'
Y = 589145.575
X = 57961.263
DELTA = 51°33'47"
D = 63°39'43"
T = 43.47'
L = 81.00'
R = 90.00'
PC STA = 933+25.97'FJ'
Y = 589172.440
X = 57927.086
PT STA = 934+06.96'FJ'
Y = 589155.645
X = 58003.552
BK = S51°49'49"E
AH = N76°36'23"E

C44
PI STA = 936+59.74'FJ'
Y = 589202.054
X = 58251.989
DELTA = 31°37'02"
D = 7°19'03"
T = 221.69'
L = 432.08'
R = 783.00'
PC STA = 934+38.04'FJ'
Y = 589162.845
X = 58033.789
PT STA = 938+70.12'FJ'
Y = 589349.832
X = 58417.245
BK = N79°48'47"E
AH = N48°11'45"E

CURVE DATA
CENTER CIRCLE REFERENCE LINE

PI STA = 10+00.00'CA'
Y = 589077.370
X = 57862.826
DELTA = 359°59'53"
D = 98°47'08"
T = 0.00'
L = 364.42'
R = 58.00'
PC STA = 10+00.00'CA'
Y = 589077.370
X = 57862.827
PT STA = 13+64.42'CA'
Y = 589077.369
X = 57862.825
BK = N77°06'45"E
AH = N77°06'52"E

N



CURVE DATA

C30
PI STA = 831+26.90'FA'
Y = 589129.441
X = 57737.764
DELTA = 57°25'20"
D = 63°39'43"
T = 49.30'
L = 90.20'
R = 90.00'
PC STA = 830+77.60'FA'
Y = 589116.933
X = 57690.081
PT STA = 831+67.80'FA'
Y = 589095.995
X = 57773.978
BK = N75°18'07"E
AH = S47°16'33"E

C31
PI STA = 831+26.90'FA'
Y = 589129.441
X = 57737.764
DELTA = 57°25'20"
D = 63°39'43"
T = 49.30'
L = 90.20'
R = 90.00'
PC STA = 830+77.60'FA'
Y = 589116.933
X = 57690.081
PT STA = 831+67.80'FA'
Y = 589095.995
X = 57773.978
BK = N75°18'07"E
AH = S47°16'33"E

C32
PI STA = 832+36.30'FA'
Y = 589037.129
X = 57808.086
DELTA = 9°11'05"
D = 11°27'33"
T = 40.16'
L = 80.15'
R = 500.00'
PC STA = 831+96.14'FA'
Y = 589073.339
X = 57790.714
PT STA = 832+76.29'FA'
Y = 588998.611
X = 57819.455
BK = S25°37'47"E
AH = S16°26'42"E

C33
PI STA = 833+54.05'FA'
Y = 588922.079
X = 57832.764
DELTA = 6°08'25"
D = 8°14'38"
T = 37.28'
L = 74.48'
R = 695.00'
PC STA = 833+16.78'FA'
Y = 588958.450
X = 57824.601
PT STA = 833+91.26'FA'
Y = 588885.043
X = 57836.989
BK = S12°38'56"E
AH = S06°30'31"E

CURVE DATA

C34
PI STA = 832+14.76'FB'
Y = 589010.771
X = 57857.969
DELTA = 50°45'30"
D = 63°39'43"
T = 42.69'
L = 79.73'
R = 90.00'
PC STA = 831+72.06'FB'
Y = 588970.340
X = 57871.690
PT STA = 832+51.80'FB'
Y = 589046.973
X = 57880.602
BK = N18°44'44"W
AH = N32°00'46"E

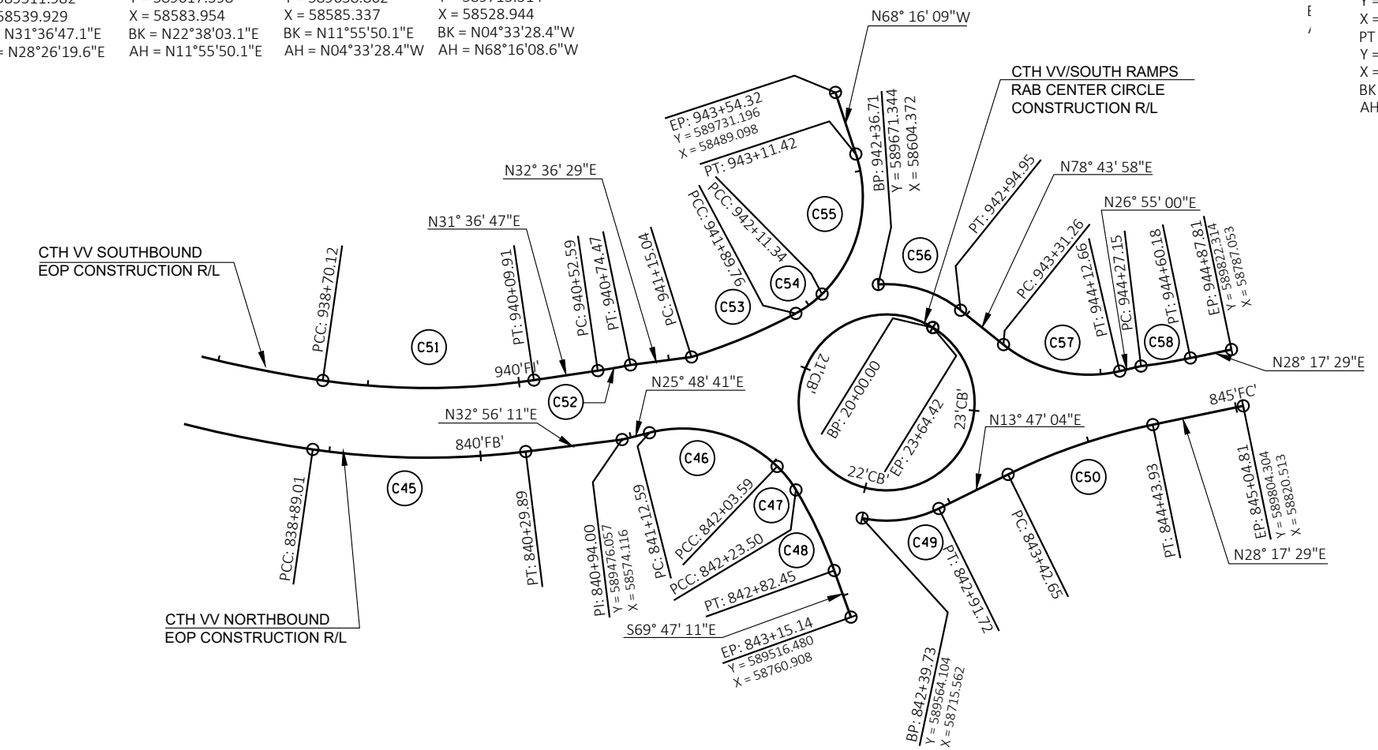
C35
PI STA = 832+73.48'FB'
Y = 589065.361
X = 57892.098
DELTA = 32°15'16"
D = 76°23'40"
T = 21.69'
L = 42.22'
R = 75.00'
PC STA = 832+51.80'FB'
Y = 589046.973
X = 57880.602
PT STA = 832+94.02'FB'
Y = 589074.777
X = 57911.634
BK = N32°00'46"E
AH = N64°16'02"E

C36
PI STA = 833+27.81'FB'
Y = 589089.449
X = 57942.075
DELTA = 9°39'29"
D = 14°19'26"
T = 33.79'
L = 67.43'
R = 400.00'
PC STA = 832+94.02'FB'
Y = 589074.777
X = 57911.634
PT STA = 833+61.44'FB'
Y = 589098.806
X = 57974.547
BK = N64°16'02"E
AH = N73°55'30"E

C37
PI STA = 837+06.06'FB'
Y = 589189.339
X = 58306.778
DELTA = 25°43'46"
D = 6°54'41"
T = 189.33'
L = 372.27'
R = 829.00'
PC STA = 835+16.73'FB'
Y = 589136.915
X = 58124.853
PT STA = 838+89.01'FB'
Y = 589315.543
X = 58447.908
BK = N73°55'30"E
AH = N48°11'45"E

CURVE DATA

C51	C52	C53	C54	C55
PI STA = 939+40.51'FJ'	PI STA = 940+63.54'FJ'	PI STA = 941+52.51'FJ'	PI STA = 942+00.63'FJ'	PI STA = 942+67.27'FJ'
Y = 589396.752	Y = 589502.358	Y = 589580.736	Y = 589628.030	Y = 589694.609
X = 58469.714	X = 58534.717	X = 58576.208	X = 58586.201	X = 58580.893
DELTA = 16°34'58"	DELTA = 3°10'28"	DELTA = 10°42'13"	DELTA = 16°29'18"	DELTA = 63°42'40"
D = 11°51'45"	D = 14°30'19"	D = 14°19'26"	D = 76°23'40"	D = 63°39'43"
T = 70.39'	T = 10.94'	T = 37.47'	T = 10.87'	T = 55.92'
L = 139.79'	L = 21.88'	L = 74.73'	L = 21.58'	L = 100.08'
R = 483.00'	R = 395.00'	R = 400.00'	R = 75.00'	R = 90.00'
PC STA = 938+70.12'FJ'	PC STA = 940+52.59'FJ'	PC STA = 941+15.04'FJ'	PC STA = 941+89.76'FJ'	PC STA = 942+11.34'FJ'
Y = 589349.832	Y = 589493.037	Y = 589546.150	Y = 589617.398	Y = 589638.862
X = 58417.245	X = 58528.980	X = 58561.787	X = 58583.954	X = 58585.337
PT STA = 940+09.91'FJ'	PT STA = 940+74.47'FJ'	PT STA = 941+89.76'FJ'	PT STA = 942+11.34'FJ'	PT STA = 943+11.42'FJ'
Y = 589456.694	Y = 589511.982	Y = 589617.398	Y = 589638.862	Y = 589715.314
X = 58506.610	X = 58539.929	X = 58583.954	X = 58585.337	X = 58528.944
BK = N48°11'44.7"E	BK = N31°36'47.1"E	BK = N22°38'03.1"E	BK = N11°55'50.1"E	BK = N04°33'28.4"W
AH = N31°36'47.1"E	AH = N28°26'19.6"E	AH = N11°55'50.1"E	AH = N04°33'28.4"W	AH = N68°16'08.6"W



CURVE DATA

C56	C57	C58
PI STA = 942+67.26'FK'	PI STA = 943+74.98'FK'	PI STA = 944+43.67'FK'
Y = 589696.074	Y = 589717.680	Y = 589783.431
X = 58622.310	X = 58730.760	X = 58766.124
DELTA = 42°46'40"	DELTA = 51°48'58"	DELTA = 4°46'01"
D = 73°27'22"	D = 63°39'43"	D = 14°25'54"
T = 30.55'	T = 43.72'	T = 16.52'
L = 58.24'	L = 81.39'	L = 33.03'
R = 78.00'	R = 90.00'	R = 397.02'
PC STA = 942+36.71'FK'	PC STA = 943+31.26'FK'	PC STA = 944+27.15'FK'
Y = 589671.344	Y = 589709.138	Y = 589769.581
X = 58604.372	X = 58687.885	X = 58757.110
PT STA = 942+94.95'FK'	PT STA = 944+12.66'FK'	PT STA = 944+60.18'FK'
Y = 589702.043	Y = 589756.661	Y = 589797.982
X = 58652.271	X = 58750.550	X = 58773.956
BK = N35°57'18.1"E	BK = N78°43'57.7"E	BK = N33°03'29.9"E
AH = N78°43'57.7"E	AH = N26°55'00.0"E	AH = N28°17'29.2"E

CURVE DATA

CENTER CIRCLE REFERENCE LINE

PI STA = 20+00.00'CB'
Y = 589680.604
X = 58649.272
DELTA = 359°59'54"
D = 98°47'09"
T = 0.00'
L = 364.42'
R = 58.00'
PC STA = 20+00.00'CB'
Y = 589680.604
X = 58649.271
PT STA = 23+64.42'CB'
Y = 589680.604
X = 58649.273
BK = S71°40'13.7"W
AH = S71°40'20.0"W

CURVE DATA

C45	C46	C47	C48
PI STA = 839+59.87'FB'	PI STA = 841+62.41'FB'	PI STA = 842+13.60'FB'	PI STA = 842+53.07'FB'
Y = 589362.779	Y = 589537.640	Y = 589544.155	Y = 589537.994
X = 58500.731	X = 58603.902	X = 58663.381	X = 58702.480
DELTA = 15°15'33"	DELTA = 57°56'16"	DELTA = 15°12'20"	DELTA = 11°15'31"
D = 10°49'51"	D = 63°39'43"	D = 76°23'40"	D = 19°05'55"
T = 70.86'	T = 49.82'	T = 10.01'	T = 29.57'
L = 140.89'	L = 91.01'	L = 19.90'	L = 58.95'
R = 529.00'	R = 90.00'	R = 75.00'	R = 300.00'
PC STA = 838+89.01'FB'	PC STA = 841+12.59'FB'	PC STA = 842+03.59'FB'	PC STA = 842+23.50'FB'
Y = 589315.543	Y = 589492.787	Y = 589543.065	Y = 589542.596
X = 58447.908	X = 58582.208	X = 58653.430	X = 58673.270
PT STA = 840+29.89'FB'	PT STA = 842+03.59'FB'	PT STA = 842+23.50'FB'	PT STA = 842+82.45'FB'
Y = 589422.252	Y = 589543.065	Y = 589542.596	Y = 589527.777
X = 58539.260	X = 58653.430	X = 58673.270	X = 58730.228
BK = N48°11'45"E	BK = N25°48'41"E	BK = N83°44'58"E	BK = S81°02'42"E
AH = N32°56'11"E	AH = N83°44'58"E	AH = S81°02'42"E	AH = S69°47'11"E

CURVE DATA

C49	C50
PI STA = 842+66.73'FC'	PI STA = 843+93.56'FC'
Y = 589580.738	Y = 589705.867
X = 58736.831	X = 58767.530
DELTA = 38°11'18"	DELTA = 14°30'25"
D = 73°27'22"	D = 14°19'26"
T = 27.00'	T = 50.91'
L = 51.99'	L = 101.28'
R = 78.00'	R = 400.00'
PC STA = 842+39.73'FC'	PC STA = 843+42.65'FC'
Y = 589564.104	Y = 589656.422
X = 58715.562	X = 58755.399
PT STA = 842+91.72'FC'	PT STA = 844+43.93'FC'
Y = 589606.961	Y = 589750.696
X = 58743.265	X = 58791.659
BK = N51°58'22"E	BK = N13°47'04"E
AH = N13°47'04"E	AH = N28°17'29"E

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	ALIGNMENT DIAGRAM	SHEET 484	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\027203 AD.DWG
LAYOUT NAME - 027207 ad
PLOT DATE : 4/29/2020 1:48 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:100 FT

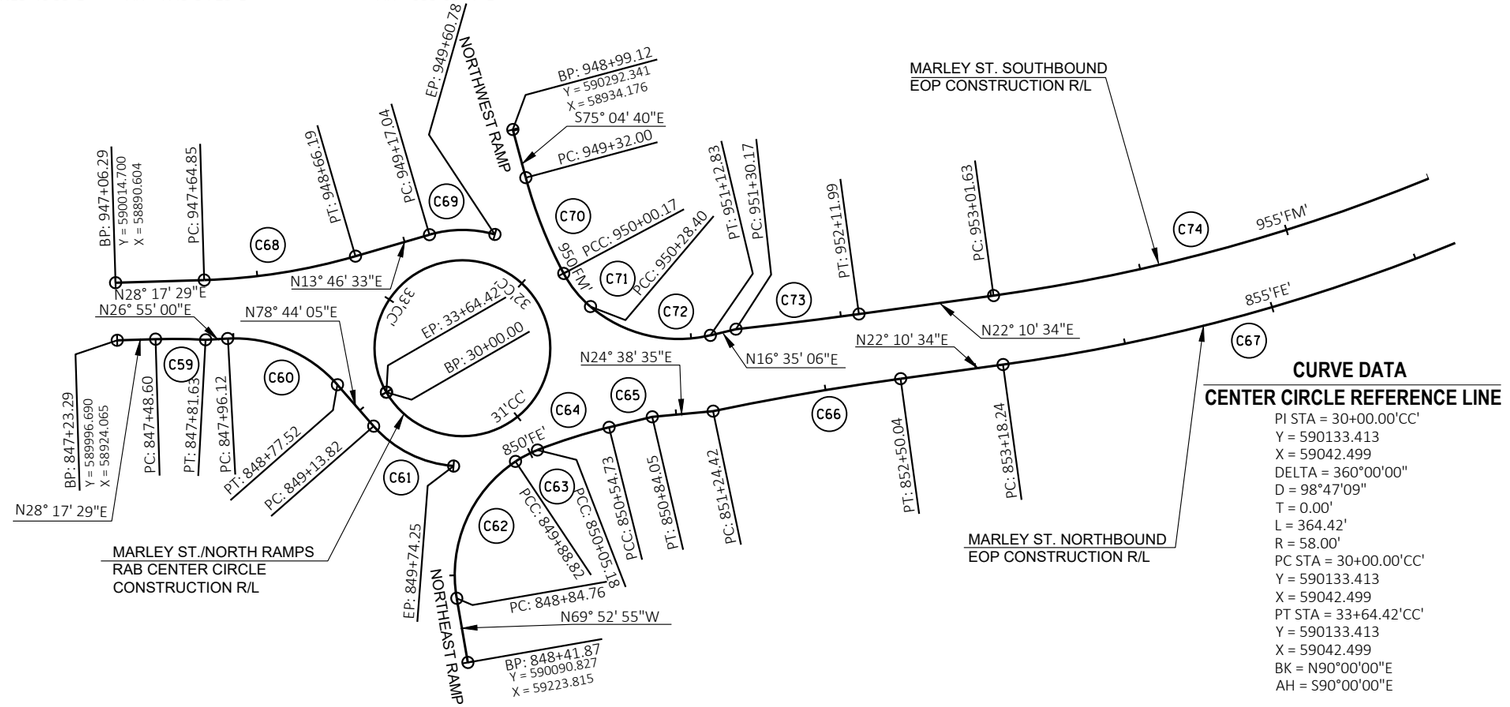
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CURVE DATA

C68	C69
PI STA = 948+15.80'FL'	PI STA = 949+39.50'FL'
Y = 590111.122	Y = 590231.802
X = 58942.503	X = 58972.091
DELTA = 14°30'56"	DELTA = 32°07'50"
D = 14°19'26"	D = 73°27'22"
T = 50.94'	T = 22.46'
L = 101.34'	L = 43.74'
R = 400.00'	R = 78.00'
PC STA = 947+64.85'FL'	PC STA = 949+17.04'FL'
Y = 590066.266	Y = 590209.986
X = 58918.359	X = 58966.742
PT STA = 948+66.19'FL'	PT STA = 949+60.78'FL'
Y = 590160.598	Y = 590247.432
X = 58954.633	X = 58988.223
BK = N28°17'29"E	BK = N13°46'33"E
AH = N13°46'33"E	AH = N45°54'23"E

CURVE DATA

C70	C71	C72	C73	C74
PI STA = 949+66.23'FM'	PI STA = 950+14.45'FM'	PI STA = 950+74.01'FM'	PI STA = 951+71.08'FM'	PI STA = 955+32.11'FM'
Y = 590275.059	Y = 590273.448	Y = 590293.602	Y = 590391.384	Y = 590725.710
X = 58999.026	X = 59047.514	X = 59103.917	X = 59138.358	X = 59274.631
DELTA = 13°01'08"	DELTA = 21°33'59"	DELTA = 53°45'07"	DELTA = 1°33'55"	DELTA = 22°02'58"
D = 19°05'55"	D = 76°23'40"	D = 63°39'43"	D = 1°54'47"	D = 4°50'36"
T = 34.23'	T = 14.28'	T = 45.61'	T = 40.91'	T = 230.48'
L = 68.17'	L = 28.23'	L = 84.43'	L = 81.82'	L = 455.26'
R = 300.00'	R = 75.00'	R = 90.00'	R = 2995.00'	R = 1183.00'
PC STA = 949+32.00'FM'	PC STA = 950+00.17'FM'	PC STA = 950+28.40'FM'	PC STA = 951+30.17'FM'	PC STA = 953+01.63'FM'
Y = 590283.874	Y = 590273.922	Y = 590278.254	Y = 590353.935	Y = 590512.279
X = 58965.949	X = 59033.237	X = 59060.965	X = 59121.886	X = 59187.635
PT STA = 950+00.17'FM'	PT STA = 950+28.40'FM'	PT STA = 951+12.83'FM'	PT STA = 952+11.99'FM'	PT STA = 957+56.89'FM'
Y = 590273.922	Y = 590278.254	Y = 590337.317	Y = 590429.269	Y = 590956.190
X = 59033.237	X = 59060.965	X = 59116.937	X = 59153.800	X = 59275.142
BK = S75°04'40"E	BK = S88°05'47"E	BK = N70°20'14"E	BK = N23°44'29"E	BK = N22°10'34"E
AH = S88°05'47"E	AH = N70°20'14"E	AH = N16°35'06"E	AH = N22°10'34"E	AH = N00°07'37"E



CURVE DATA

CENTER CIRCLE REFERENCE LINE

PI STA = 30+00.00'CC'
Y = 590133.413
X = 59042.499
DELTA = 360°00'00"
D = 98°47'09"
T = 0.00'
L = 364.42'
R = 58.00'
PC STA = 30+00.00'CC'
Y = 590133.413
X = 59042.499
PT STA = 33+64.42'CC'
Y = 590133.413
X = 59042.499
BK = N90°00'00"E
AH = S90°00'00"E

CURVE DATA

C59	C60	C61
PI STA = 847+65.13'FD'	PI STA = 848+39.84'FD'	PI STA = 849+45.64'FD'
Y = 590033.531	Y = 590099.284	Y = 590121.133
X = 58943.895	X = 58979.260	X = 59088.948
DELTA = 4°46'01"	DELTA = 51°49'05"	DELTA = 44°23'34"
D = 14°25'56"	D = 63°39'43"	D = 73°27'22"
T = 16.52'	T = 43.72'	T = 31.83'
L = 33.03'	L = 81.40'	L = 60.43'
R = 397.00'	R = 90.00'	R = 78.00'
PC STA = 847+48.60'FD'	PC STA = 847+96.12'FD'	PC STA = 849+13.82'FD'
Y = 590018.980	Y = 590060.301	Y = 590114.915
X = 58936.063	X = 58959.468	X = 59057.736
PT STA = 847+81.63'FD'	PT STA = 848+77.52'FD'	PT STA = 849+74.25'FD'
Y = 590047.381	Y = 590107.825	Y = 590147.410
X = 58952.909	X = 59022.137	X = 59106.902
BK = N28°17'29"E	BK = N26°55'00"E	BK = N78°44'05"E
AH = N33°03'30"E	AH = N78°44'05"E	AH = N34°20'31"E

CURVE DATA

C62	C63	C64	C65	C66	C67
PI STA = 849+43.48'FE'	PI STA = 849+97.03'FE'	PI STA = 850+29.99'FE'	PI STA = 850+69.39'FE'	PI STA = 851+87.25'FE'	PI STA = 855+55.49'FE'
Y = 590125.776	Y = 590192.571	Y = 590225.198	Y = 590263.148	Y = 590373.569	Y = 590714.617
X = 59128.404	X = 59124.154	X = 59129.239	X = 59140.089	X = 59180.771	X = 59319.784
DELTA = 66°14'27"	DELTA = 12°29'59"	DELTA = 7°05'52"	DELTA = 0°56'00"	DELTA = 4°00'35"	DELTA = 21°51'09"
D = 63°39'43"	D = 76°23'40"	D = 14°19'26"	D = 3°10'59"	D = 3°11'31"	D = 4°39'43"
T = 58.72'	T = 8.21'	T = 24.81'	T = 14.66'	T = 62.83'	T = 237.25'
L = 104.05'	L = 16.36'	L = 49.55'	L = 29.32'	L = 125.62'	L = 468.74'
R = 90.00'	R = 75.00'	R = 400.00'	R = 1800.00'	R = 1795.00'	R = 1229.00'
PC STA = 848+84.76'FE'	PC STA = 849+88.82'FE'	PC STA = 850+05.18'FE'	PC STA = 850+54.73'FE'	PC STA = 851+24.42'FE'	PC STA = 853+18.24'FE'
Y = 590105.580	Y = 590184.374	Y = 590200.686	Y = 590249.050	Y = 590313.868	Y = 590494.916
X = 59183.538	X = 59124.675	X = 59125.418	X = 59136.058	X = 59161.180	X = 59230.233
PT STA = 849+88.82'FE'	PT STA = 850+05.18'FE'	PT STA = 850+54.73'FE'	PT STA = 850+84.05'FE'	PT STA = 852+50.04'FE'	PT STA = 857+86.98'FE'
Y = 590184.374	Y = 590200.686	Y = 590249.050	Y = 590277.178	Y = 590431.754	Y = 590951.865
X = 59124.675	X = 59125.418	X = 59136.058	X = 59144.349	X = 59204.487	X = 59321.125
BK = N69°52'55"W	BK = N03°38'28"W	BK = N08°51'31"E	BK = N15°57'23"E	BK = N18°10'00"E	BK = N22°10'34"E
AH = N03°38'28"W	AH = N08°51'31"E	AH = N15°57'23"E	AH = N16°53'23"E	AH = N22°10'34"E	AH = N00°19'25"E

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	ALIGNMENT DIAGRAM	SHEET 485	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\027203 AD.DWG
LAYOUT NAME - 027208 ad
PLOT DATE : 4/29/2020 1:48 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

CURVE DATA

C85	C86	C87	C88
PI STA = 957+94.13'FM'	PI STA = 959+06.02'FM'	PI STA = 959+64.85'FM'	PI STA = 960+13.25'FM'
Y = 590993.436	Y = 591105.095	Y = 591162.345	Y = 591194.259
X = 59275.224	X = 59270.646	X = 59256.544	X = 59217.960
DELTA = 4°17'15"	DELTA = 8°29'41"	DELTA = 36°27'10"	DELTA = 31°29'26"
D = 5°45'30"	D = 12°25'07"	D = 76°23'40"	D = 63°39'43"
T = 37.25'	T = 34.26'	T = 24.70'	T = 25.37'
L = 74.46'	L = 68.40'	L = 47.72'	L = 49.47'
R = 995.00'	R = 461.37'	R = 75.00'	R = 90.00'
PC STA = 957+56.89'FM'	PC STA = 958+71.75'FM'	PC STA = 959+40.16'FM'	PC STA = 959+87.87'FM'
Y = 590956.190	Y = 591070.974	Y = 591138.377	Y = 591178.086
X = 59275.142	X = 59273.787	X = 59262.499	X = 59237.513
PT STA = 958+31.34'FM'	PT STA = 959+40.16'FM'	PT STA = 959+87.87'FM'	PT STA = 960+37.34'FM'
Y = 591030.583	Y = 591138.377	Y = 591178.086	Y = 591197.836
X = 59272.522	X = 59262.499	X = 59237.513	X = 59192.839
BK = N00°07'37"E	BK = N05°15'34"W	BK = N13°57'08"W	BK = N50°24'18"W
AH = N04°09'38"W	AH = N13°45'16"W	AH = N50°24'18"W	AH = N81°53'44"W

CURVE DATA

CENTER CIRCLE REFERENCE LINE

PI STA = 40+00.00'CD'
Y = 591162.176
X = 59380.813
DELTA = 359°59'40"
D = 98°47'09"
T = 0.00'
L = 364.42'
R = 58.00'
PC STA = 40+00.00'CD'
Y = 591162.178
X = 59380.815
PT STA = 43+64.42'CD'
Y = 591162.173
X = 59380.812
BK = N30°31'32"E
AH = N30°31'53"E

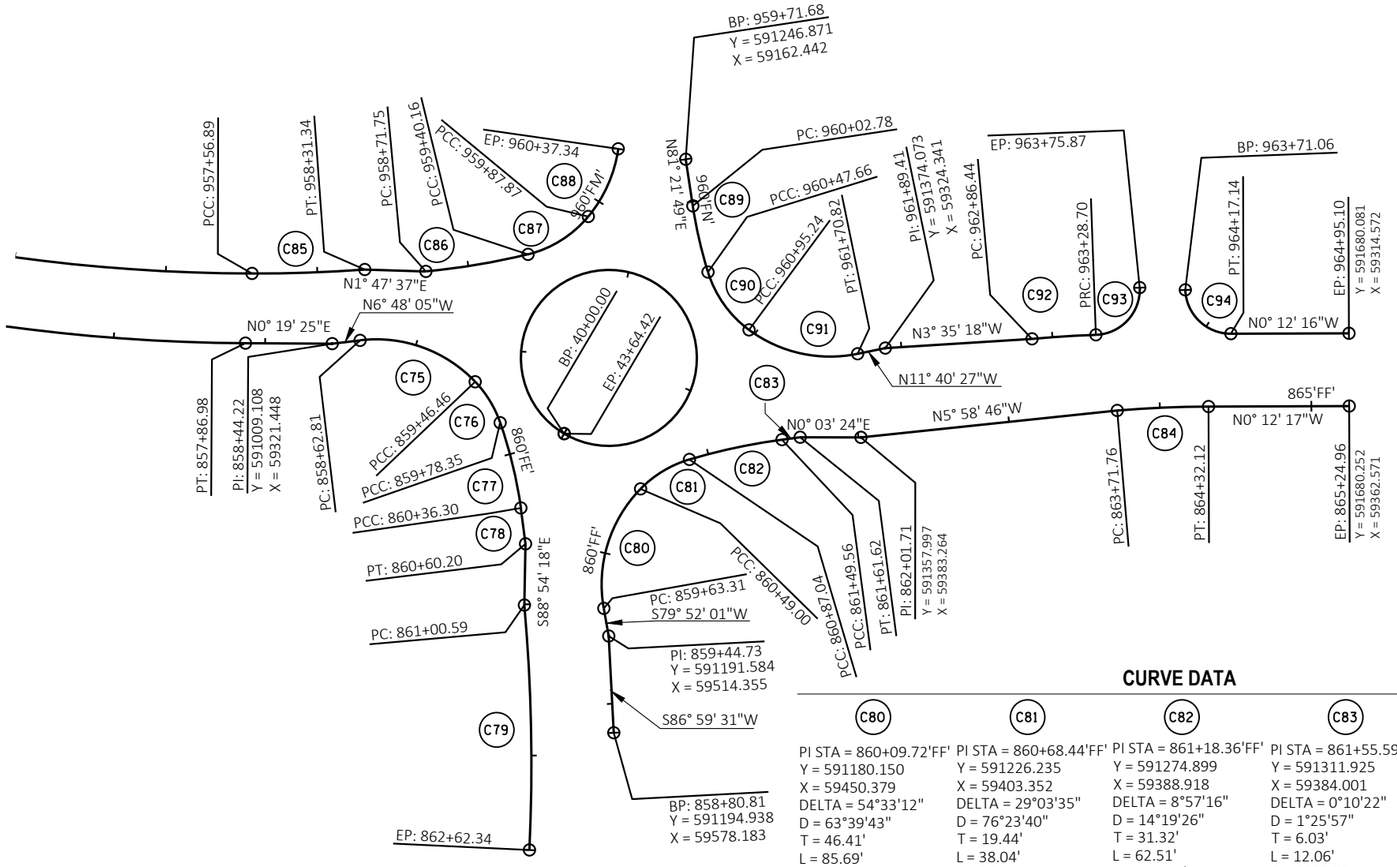
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CURVE DATA

C89	C90	C91	C92	C93
PI STA = 960+25.26'FN'	PI STA = 960+72.28'FN'	PI STA = 961+35.42'FN'	PI STA = 963+07.58'FN'	PI STA = 963+58.75'FN'
Y = 591250.459	Y = 591264.394	Y = 591316.527	Y = 591491.969	Y = 591543.116
X = 59252.744	X = 59297.741	X = 59336.232	X = 59316.358	X = 59314.495
DELTA = 8°34'15"	DELTA = 36°21'12"	DELTA = 48°06'50"	DELTA = 3°06'02"	DELTA = 90°05'06"
D = 19°05'55"	D = 76°23'40"	D = 63°39'43"	D = 7°20'10"	D = 190°59'09"
T = 22.48'	T = 24.62'	T = 40.18'	T = 21.14'	T = 30.04'
L = 44.88'	L = 47.59'	L = 75.58'	L = 42.26'	L = 47.17'
R = 300.00'	R = 75.00'	R = 90.00'	R = 781.00'	R = 30.00'
PC STA = 960+02.78'FN'	PC STA = 960+47.66'FN'	PC STA = 960+95.24'FN'	PC STA = 962+86.44'FN'	PC STA = 963+28.70'FN'
Y = 591247.084	Y = 591257.109	Y = 591284.205	Y = 591470.919	Y = 591513.091
X = 59230.518	X = 59274.218	X = 59312.367	X = 59318.268	X = 59315.589
PT STA = 960+47.66'FN'	PT STA = 960+95.24'FN'	PT STA = 961+70.82'FN'	PT STA = 963+28.70'FN'	PT STA = 963+75.87'FN'
Y = 591257.109	Y = 591284.205	Y = 591355.874	Y = 591513.091	Y = 591541.978
X = 59274.218	X = 59312.367	X = 59328.102	X = 59315.589	X = 59284.472
BK = N81°21'49"E	BK = N72°47'34"E	BK = N36°26'22"E	BK = N05°11'09"W	BK = N02°05'08"W
AH = N72°47'34"E	AH = N36°26'22"E	AH = N11°40'28"W	AH = N02°05'08"W	AH = S87°49'46"W

CURVE DATA

C94
PI STA = 964+00.03'FO'
Y = 591573.154
X = 59314.935
DELTA = 87°59'53"
D = 190°59'08"
T = 28.97'
L = 46.08'
R = 30.00'
PC STA = 963+71.06'FO'
Y = 591572.057
X = 59285.986
PT STA = 964+17.14'FO'
Y = 591602.124
X = 59314.850
BK = N87°49'46"E
AH = N00°10'07"W



CURVE DATA

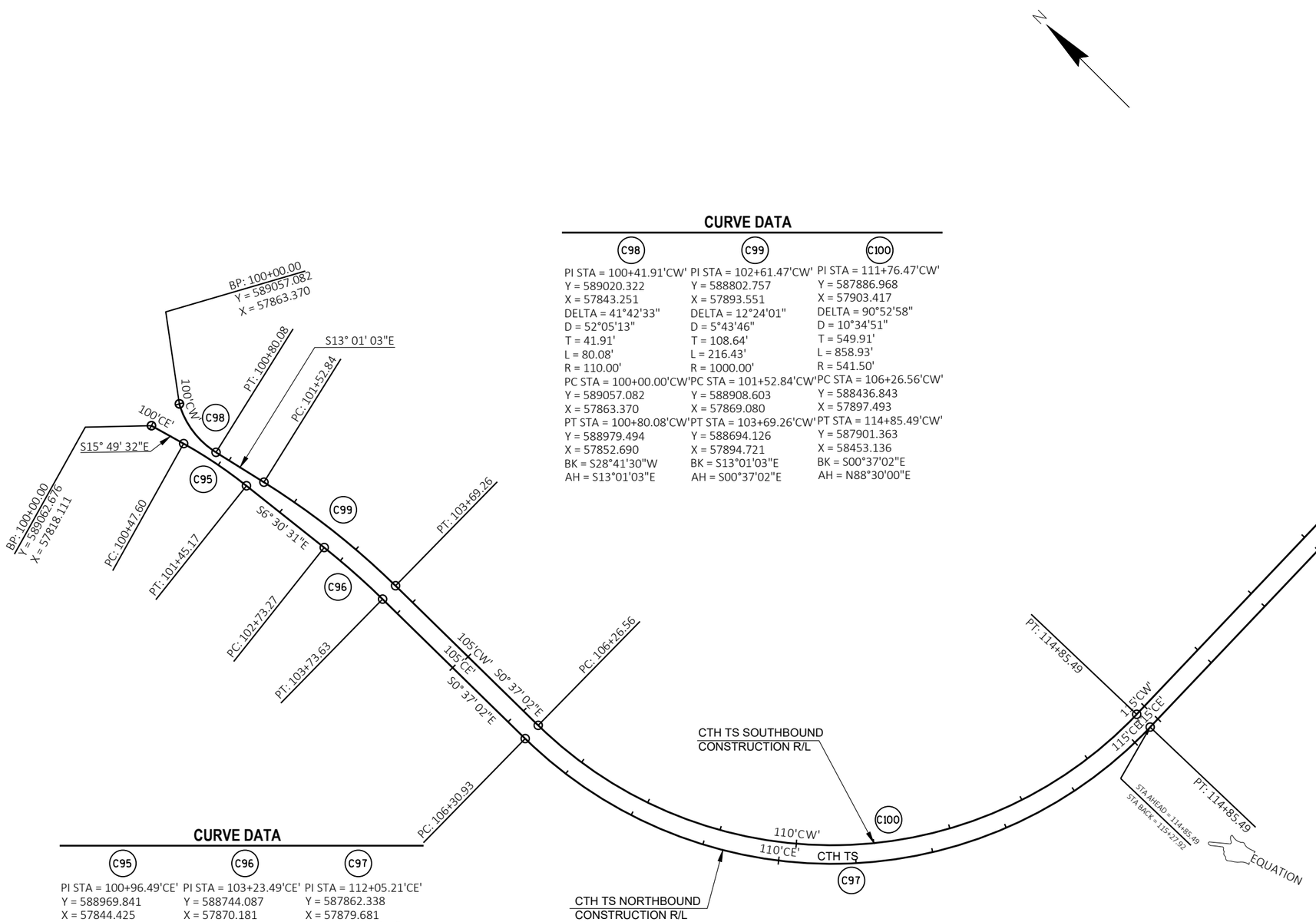
C75	C76
PI STA = 859+07.93'FE'	PI STA = 859+62.65'FE'
Y = 591072.365	Y = 591114.607
X = 59313.904	X = 59358.344
DELTA = 53°15'13"	DELTA = 24°21'57"
D = 63°39'43"	D = 76°23'40"
T = 45.12'	T = 16.19'
L = 83.65'	L = 31.89'
R = 90.00'	R = 75.00'
PC STA = 858+62.81'FE'	PC STA = 859+46.46'FE'
Y = 591027.561	Y = 591103.452
X = 59319.248	X = 59346.608
PT STA = 859+46.46'FE'	PT STA = 859+78.35'FE'
Y = 591103.452	Y = 591119.928
X = 59346.608	X = 59373.637
BK = N06°48'05"W	BK = N46°27'08"E
AH = N46°27'08"E	AH = N70°49'05"E

C77	C78	C79
PI STA = 860+07.42'FE'	PI STA = 860+48.25'FE'	PI STA = 861+81.59'FE'
Y = 591129.478	Y = 591135.266	Y = 591143.082
X = 59401.090	X = 59441.692	X = 59574.619
DELTA = 11°04'05"	DELTA = 1°08'27"	DELTA = 7°45'19"
D = 19°05'55"	D = 4°46'29"	D = 4°47'41"
T = 29.07'	T = 11.95'	T = 81.00'
L = 57.95'	L = 23.89'	L = 161.75'
R = 300.00'	R = 1200.00'	R = 1195.00'
PC STA = 859+78.35'FE'	PC STA = 860+36.30'FE'	PC STA = 861+00.59'FE'
Y = 591119.928	Y = 591133.580	Y = 591135.945
X = 59373.637	X = 59429.865	X = 59493.937
PT STA = 860+36.30'FE'	PT STA = 860+60.20'FE'	PT STA = 862+62.34'FE'
Y = 591133.580	Y = 591136.717	Y = 591139.267
X = 59429.865	X = 59453.550	X = 59655.526
BK = N70°49'05"E	BK = N81°53'10"E	BK = N84°56'41"E
AH = N81°53'10"E	AH = N83°01'36"E	AH = S87°18'00"E

CURVE DATA

C80	C81	C82	C83	C84
PI STA = 860+09.72'FF'	PI STA = 860+68.44'FF'	PI STA = 861+18.36'FF'	PI STA = 861+55.59'FF'	PI STA = 864+01.96'FF'
Y = 591180.150	Y = 591226.235	Y = 591274.899	Y = 591311.925	Y = 591557.217
X = 59450.379	X = 59403.352	X = 59388.918	X = 59384.001	X = 59363.011
DELTA = 54°33'12"	DELTA = 29°03'35"	DELTA = 8°57'16"	DELTA = 0°10'22"	DELTA = 4°37'02"
D = 63°39'43"	D = 76°23'40"	D = 14°19'26"	D = 1°25'57"	D = 7°38'59"
T = 46.41'	T = 19.44'	T = 31.32'	T = 6.03'	T = 30.20'
L = 85.69'	L = 38.04'	L = 62.51'	L = 12.06'	L = 60.36'
R = 90.00'	R = 75.00'	R = 400.00'	R = 4000.00'	R = 749.00'
PC STA = 859+63.31'FF'	PC STA = 860+49.00'FF'	PC STA = 860+87.04'FF'	PC STA = 861+49.56'FF'	PC STA = 863+71.76'FF'
Y = 591188.314	Y = 591212.630	Y = 591244.871	Y = 591305.946	Y = 591527.128
X = 59496.061	X = 59417.235	X = 59397.824	X = 59384.795	X = 59365.549
PT STA = 860+49.00'FF'	PT STA = 860+87.04'FF'	PT STA = 861+49.56'FF'	PT STA = 861+61.62'FF'	PT STA = 864+32.12'FF'
Y = 591212.630	Y = 591244.871	Y = 591305.946	Y = 591317.906	Y = 591587.412
X = 59417.235	X = 59397.824	X = 59384.795	X = 59383.225	X = 59362.903
BK = S79°52'01"W	BK = N45°34'47"W	BK = N16°31'12"W	BK = N07°33'56"W	BK = N04°49'19"W
AH = N45°34'47"W	AH = N16°31'12"W	AH = N07°33'56"W	AH = N07°23'34"W	AH = N00°12'17"W

2



CURVE DATA

C98	C99	C100
PI STA = 100+41.91'CW'	PI STA = 102+61.47'CW'	PI STA = 111+76.47'CW'
Y = 589020.322	Y = 588802.757	Y = 587886.968
X = 57843.251	X = 57893.551	X = 57903.417
DELTA = 41°42'33"	DELTA = 12°24'01"	DELTA = 90°52'58"
D = 52°05'13"	D = 5°43'46"	D = 10°34'51"
T = 41.91'	T = 108.64'	T = 549.91'
L = 80.08'	L = 216.43'	L = 858.93'
R = 110.00'	R = 1000.00'	R = 541.50'
PC STA = 100+00.00'CW'	PC STA = 101+52.84'CW'	PC STA = 106+26.56'CW'
Y = 589057.082	Y = 588908.603	Y = 588436.843
X = 57863.370	X = 57869.080	X = 57897.493
PT STA = 100+80.08'CW'	PT STA = 103+69.26'CW'	PT STA = 114+85.49'CW'
Y = 588979.494	Y = 588694.126	Y = 587901.363
X = 57852.690	X = 57894.721	X = 58453.136
BK = S28°41'30"W	BK = S13°01'03"E	BK = S00°37'02"E
AH = S13°01'03"E	AH = S00°37'02"E	AH = N88°30'00"E

CURVE DATA

C95	C96	C97
PI STA = 100+96.49'CE'	PI STA = 103+23.49'CE'	PI STA = 112+05.21'CE'
Y = 588969.841	Y = 588744.087	Y = 587862.338
X = 57844.425	X = 57870.181	X = 57879.681
DELTA = 9°19'01"	DELTA = 5°53'29"	DELTA = 90°52'58"
D = 9°32'57"	D = 5°52'14"	D = 10°07'55"
T = 48.89'	T = 50.22'	T = 574.28'
L = 97.57'	L = 100.36'	L = 897.00'
R = 600.00'	R = 976.00'	R = 565.50'
PC STA = 100+47.60'CE'	PC STA = 102+73.27'CE'	PC STA = 106+30.93'CE'
Y = 589016.878	Y = 588793.986	Y = 588436.585
X = 57831.092	X = 57864.488	X = 57873.494
PT STA = 101+45.17'CE'	PT STA = 103+73.63'CE'	PT STA = 114+85.49'CE'
Y = 588921.265	Y = 588693.867	Y = 587877.371
X = 57849.967	X = 57870.722	X = 58453.765
BK = S15°49'32"E	BK = S06°30'31"E	BK = S00°37'02"E
AH = S06°30'31"E	AH = S00°37'02"E	AH = N88°30'00"E

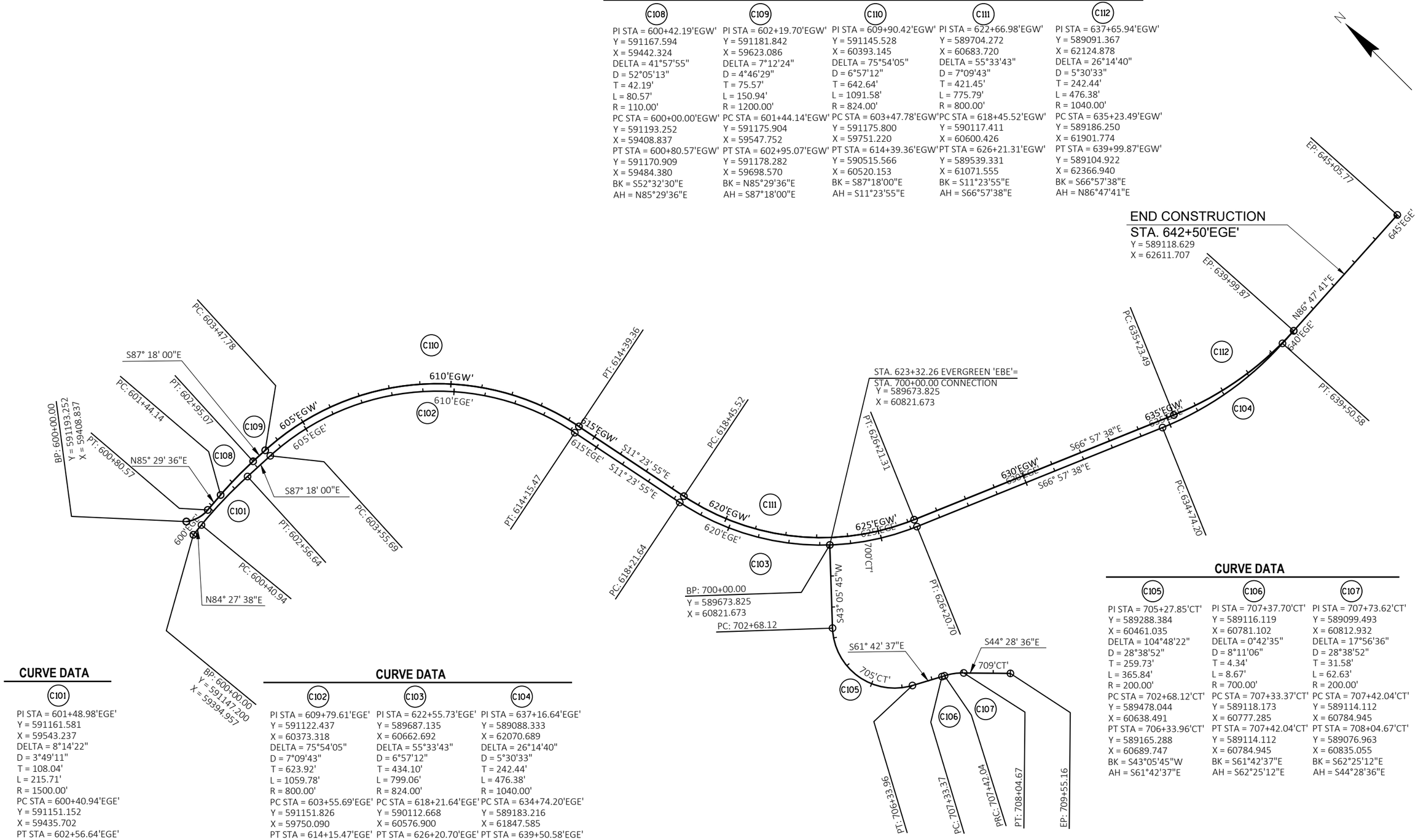
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	ALIGNMENT DIAGRAM	SHEET 487	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\027204 AD.DWG
LAYOUT NAME - 027210 ad
PLOT DATE : 4/29/2020 1:49 PM
PLOT BY : VERVILLE, PHILLIP
PLOT NAME :
PLOT SCALE : 1:150
WISDOT/CADDS SHEET 42

2

CURVE DATA

C108	C109	C110	C111	C112
PI STA = 600+42.19'EGW'	PI STA = 602+19.70'EGW'	PI STA = 609+90.42'EGW'	PI STA = 622+66.98'EGW'	PI STA = 637+65.94'EGW'
Y = 591167.594	Y = 591181.842	Y = 591145.528	Y = 589704.272	Y = 589091.367
X = 59442.324	X = 59623.086	X = 60393.145	X = 60683.720	X = 62124.878
DELTA = 41°57'55"	DELTA = 7°12'24"	DELTA = 75°54'05"	DELTA = 55°33'43"	DELTA = 26°14'40"
D = 52°05'13"	D = 4°46'29"	D = 6°57'12"	D = 7°09'43"	D = 5°30'33"
T = 42.19'	T = 75.57'	T = 642.64'	T = 421.45'	T = 242.44'
L = 80.57'	L = 150.94'	L = 1091.58'	L = 775.79'	L = 476.38'
R = 110.00'	R = 1200.00'	R = 824.00'	R = 800.00'	R = 1040.00'
PC STA = 600+00.00'EGW'	PC STA = 601+44.14'EGW'	PC STA = 603+47.78'EGW'	PC STA = 618+45.52'EGW'	PC STA = 635+23.49'EGW'
Y = 591193.252	Y = 591175.904	Y = 591175.800	Y = 590117.411	Y = 589186.250
X = 59408.837	X = 59547.752	X = 59751.220	X = 60600.426	X = 61901.774
PT STA = 600+80.57'EGW'	PT STA = 602+95.07'EGW'	PT STA = 614+39.36'EGW'	PT STA = 626+21.31'EGW'	PT STA = 639+99.87'EGW'
Y = 591170.909	Y = 591178.282	Y = 590515.566	Y = 589539.331	Y = 589104.922
X = 59484.380	X = 59698.570	X = 60520.153	X = 61071.555	X = 62366.940
BK = S52°32'30"E	BK = N85°29'36"E	BK = S87°18'00"E	BK = S11°23'55"E	BK = S66°57'38"E
AH = N85°29'36"E	AH = S87°18'00"E	AH = S11°23'55"E	AH = S66°57'38"E	AH = N86°47'41"E



CURVE DATA

C101
PI STA = 601+48.98'EGE'
Y = 591161.581
X = 59543.237
DELTA = 8°14'22"
D = 3°49'11"
T = 108.04'
L = 215.71'
R = 1500.00'
PC STA = 600+40.94'EGE'
Y = 591151.152
X = 59435.702
PT STA = 602+56.64'EGE'
Y = 591156.492
X = 59651.156
BK = N84°27'38"E
AH = S87°18'00"E

CURVE DATA

C102	C103	C104
PI STA = 609+79.61'EGE'	PI STA = 622+55.73'EGE'	PI STA = 637+16.64'EGE'
Y = 591122.437	Y = 589687.135	Y = 589088.333
X = 60373.318	X = 60662.692	X = 62070.689
DELTA = 75°54'05"	DELTA = 55°33'43"	DELTA = 26°14'40"
D = 7°09'43"	D = 6°57'12"	D = 5°30'33"
T = 623.92'	T = 434.10'	T = 242.44'
L = 1059.78'	L = 799.06'	L = 476.38'
R = 800.00'	R = 824.00'	R = 1040.00'
PC STA = 603+55.69'EGE'	PC STA = 618+21.64'EGE'	PC STA = 634+74.20'EGE'
Y = 591151.826	Y = 590112.668	Y = 589183.216
X = 59750.090	X = 60576.900	X = 61847.585
PT STA = 614+15.47'EGE'	PT STA = 626+20.70'EGE'	PT STA = 639+50.58'EGE'
Y = 590510.823	Y = 589517.246	Y = 589101.888
X = 60496.627	X = 61062.162	X = 62312.752
BK = S87°18'00"E	BK = S11°23'55"E	BK = S66°57'38"E
AH = S11°23'55"E	AH = S66°57'38"E	AH = N86°47'41"E

CURVE DATA

C105	C106	C107
PI STA = 705+27.85'CT'	PI STA = 707+37.70'CT'	PI STA = 707+73.62'CT'
Y = 589288.384	Y = 589116.119	Y = 589099.493
X = 60461.035	X = 60781.102	X = 60812.932
DELTA = 104°48'22"	DELTA = 0°42'35"	DELTA = 17°56'36"
D = 28°38'52"	D = 8°11'06"	D = 28°38'52"
T = 259.73'	T = 4.34'	T = 31.58'
L = 365.84'	L = 8.67'	L = 62.63'
R = 200.00'	R = 700.00'	R = 200.00'
PC STA = 702+68.12'CT'	PC STA = 707+33.37'CT'	PC STA = 707+42.04'CT'
Y = 589478.044	Y = 589118.173	Y = 589114.112
X = 60638.491	X = 60777.285	X = 60784.945
PT STA = 706+33.96'CT'	PT STA = 707+42.04'CT'	PT STA = 708+04.67'CT'
Y = 589165.288	Y = 589114.112	Y = 589076.963
X = 60689.747	X = 60784.945	X = 60835.055
BK = S43°05'45"W	BK = S61°42'37"E	BK = S62°25'12"E
AH = S61°42'37"E	AH = S62°25'12"E	AH = S44°28'36"E

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	ALIGNMENT DIAGRAM	SHEET 488	E

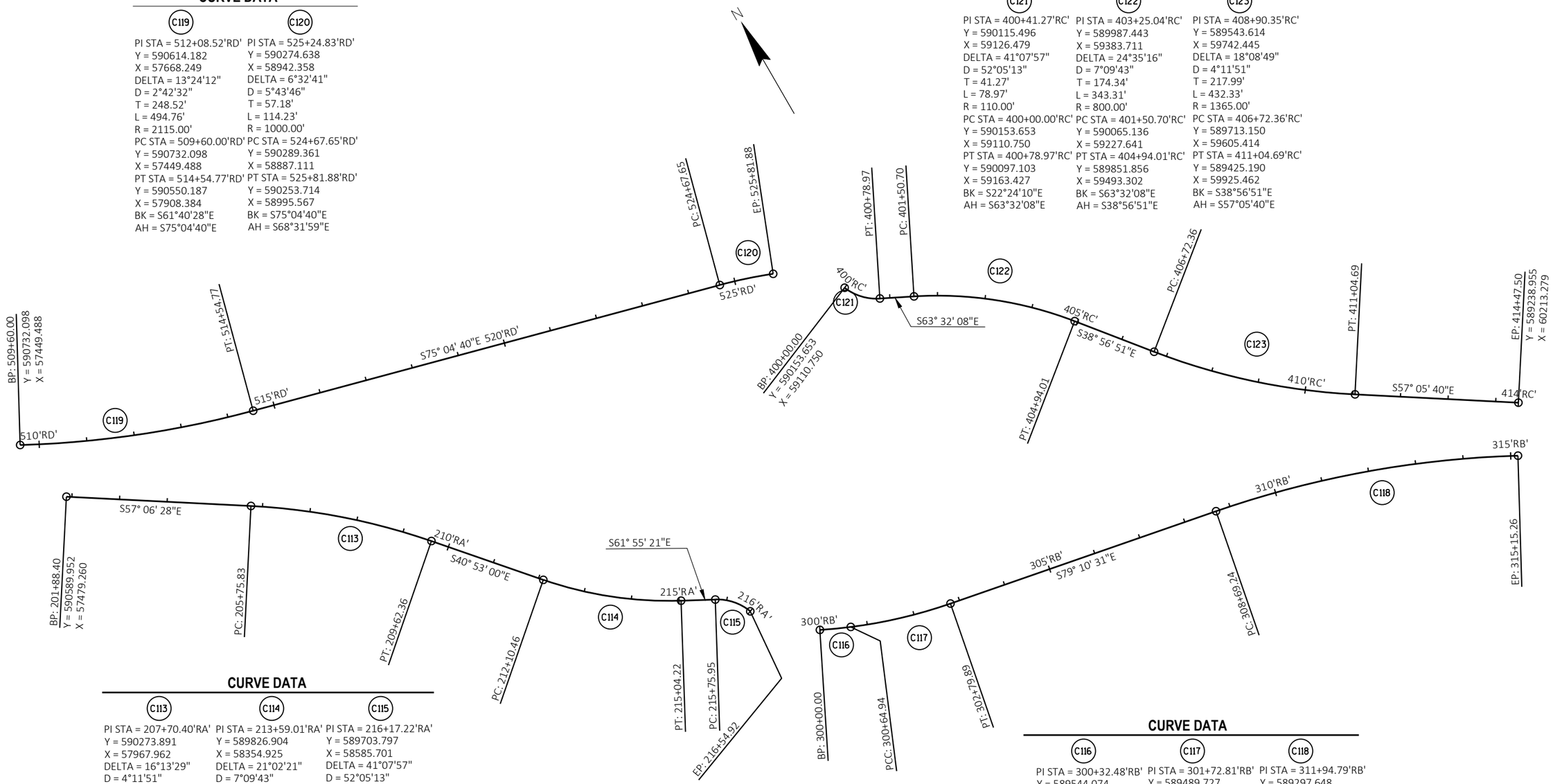
2

CURVE DATA

C119	C120
PI STA = 512+08.52'RD'	PI STA = 525+24.83'RD'
Y = 590614.182	Y = 590274.638
X = 57668.249	X = 58942.358
DELTA = 13°24'12"	DELTA = 6°32'41"
D = 2°42'32"	D = 5°43'46"
T = 248.52'	T = 57.18'
L = 494.76'	L = 114.23'
R = 2115.00'	R = 1000.00'
PC STA = 509+60.00'RD'	PC STA = 524+67.65'RD'
Y = 590732.098	Y = 590289.361
X = 57449.488	X = 58887.111
PT STA = 514+54.77'RD'	PT STA = 525+81.88'RD'
Y = 590550.187	Y = 590253.714
X = 57908.384	X = 58995.567
BK = S61°40'28"E	BK = S75°04'40"E
AH = S75°04'40"E	AH = S68°31'59"E

CURVE DATA

C121	C122	C123
PI STA = 400+41.27'RC'	PI STA = 403+25.04'RC'	PI STA = 408+90.35'RC'
Y = 590115.496	Y = 589987.443	Y = 589543.614
X = 59126.479	X = 59383.711	X = 59742.445
DELTA = 41°07'57"	DELTA = 24°35'16"	DELTA = 18°08'49"
D = 52°05'13"	D = 7°09'43"	D = 4°11'51"
T = 41.27'	T = 174.34'	T = 217.99'
L = 78.97'	L = 343.31'	L = 432.33'
R = 110.00'	R = 800.00'	R = 1365.00'
PC STA = 400+00.00'RC'	PC STA = 401+50.70'RC'	PC STA = 406+72.36'RC'
Y = 590153.653	Y = 590065.136	Y = 589713.150
X = 59110.750	X = 59227.641	X = 59605.414
PT STA = 400+78.97'RC'	PT STA = 404+94.01'RC'	PT STA = 411+04.69'RC'
Y = 590097.103	Y = 589851.856	Y = 589425.190
X = 59163.427	X = 59493.302	X = 59925.462
BK = S22°24'10"E	BK = S63°32'08"E	BK = S38°56'51"E
AH = S63°32'08"E	AH = S38°56'51"E	AH = S57°05'40"E



CURVE DATA

C113	C114	C115
PI STA = 207+70.40'RA'	PI STA = 213+59.01'RA'	PI STA = 216+17.22'RA'
Y = 590273.891	Y = 589826.904	Y = 589703.797
X = 57967.962	X = 58354.925	X = 58585.701
DELTA = 16°13'29"	DELTA = 21°02'21"	DELTA = 41°07'57"
D = 4°11'51"	D = 7°09'43"	D = 52°05'13"
T = 194.57'	T = 148.55'	T = 41.27'
L = 386.53'	L = 293.76'	L = 78.97'
R = 1365.00'	R = 800.00'	R = 110.00'
PC STA = 205+75.83'RA'	PC STA = 212+10.46'RA'	PC STA = 215+75.95'RA'
Y = 590379.553	Y = 589939.218	Y = 589723.223
X = 57804.585	X = 58257.693	X = 58549.286
PT STA = 209+62.36'RA'	PT STA = 215+04.22'RA'	PT STA = 216+54.92'RA'
Y = 590126.789	Y = 589756.984	Y = 589665.212
X = 58095.310	X = 58485.997	X = 58600.350
BK = S57°06'28"E	BK = S40°53'00"E	BK = S61°55'21"E
AH = S40°53'00"E	AH = S61°55'21"E	AH = S20°47'24"E

CURVE DATA

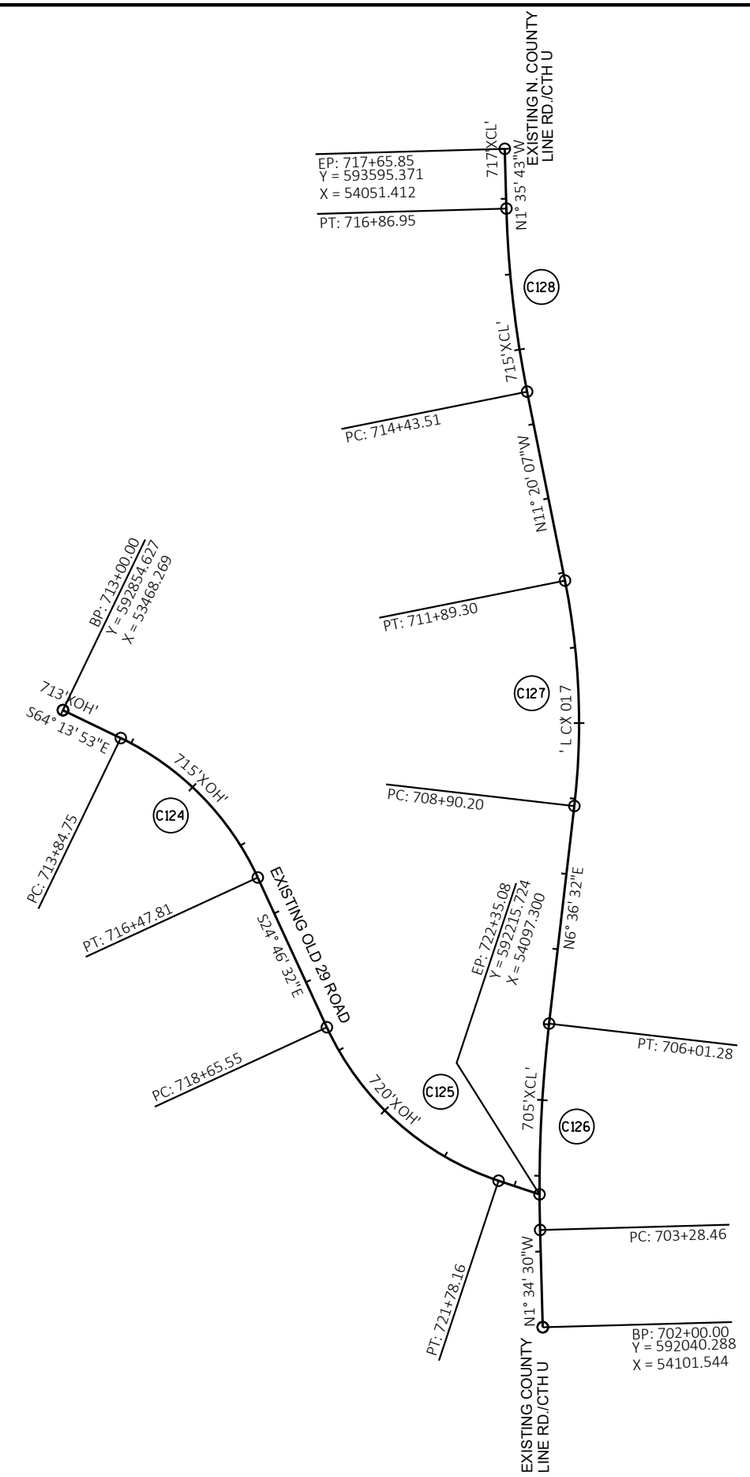
C116	C117	C118
PI STA = 300+32.48'RB'	PI STA = 301+72.81'RB'	PI STA = 311+94.79'RB'
Y = 589544.074	Y = 589489.727	Y = 589297.648
X = 58736.485	X = 58865.884	X = 59870.449
DELTA = 3°36'44"	DELTA = 11°57'27"	DELTA = 17°30'03"
D = 5°33'46"	D = 5°33'46"	D = 2°42'32"
T = 32.48'	T = 107.87'	T = 325.55'
L = 64.94'	L = 214.96'	L = 646.02'
R = 1030.00'	R = 1030.00'	R = 2115.00'
PC STA = 300+00.00'RB'	PC STA = 300+64.94'RB'	PC STA = 308+69.24'RB'
Y = 589558.512	Y = 589531.497	Y = 589358.787
X = 58707.391	X = 58766.430	X = 59550.696
PT STA = 300+64.94'RB'	PT STA = 302+79.89'RB'	PT STA = 315+15.26'RB'
Y = 589531.497	Y = 589469.469	Y = 589143.183
X = 58766.430	X = 58971.835	X = 60157.016
BK = S63°36'21"E	BK = S67°13'05"E	BK = S79°10'31"E
AH = S67°13'05"E	AH = S79°10'31"E	AH = S61°40'28"E

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	ALIGNMENT DIAGRAM	SHEET 489	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\027205 AD.DWG
LAYOUT NAME - 027212 ad

PLOT DATE : 4/29/2020 1:50 PM PLOT BY : VERVILLE, PHILLIP PLOT NAME : PLOT SCALE : 1:220

2



CURVE DATA

C124

PI STA = 715+21.73'XOH'
Y = 592758.231
X = 53667.954
DELTA = 39°27'21"
D = 14°59'56"
T = 136.99'
L = 263.06'
R = 382.00'
PC STA = 713+84.75'XOH'
Y = 592817.783
X = 53544.590
PT STA = 716+47.81'XOH'
Y = 592633.853
X = 53725.360
BK = S64°13'53"E
AH = S24°46'32"E

C125

PI STA = 720+31.21'XOH'
Y = 592285.742
X = 53886.030
DELTA = 46°53'19"
D = 14°59'56"
T = 165.66'
L = 312.61'
R = 382.00'
PC STA = 718+65.55'XOH'
Y = 592436.151
X = 53816.609
PT STA = 721+78.16'XOH'
Y = 592233.628
X = 54043.276
BK = S24°46'32"E
AH = S71°39'51"E

CURVE DATA

C126

PI STA = 704+65.10'XCL'
Y = 592305.292
X = 54094.258
DELTA = 8°11'02"
D = 2°59'59"
T = 136.64'
L = 272.82'
R = 1910.00'
PC STA = 703+28.46'XCL'
Y = 592168.703
X = 54098.013
PT STA = 706+01.28'XCL'
Y = 592441.024
X = 54109.984
BK = N01°34'30"W
AH = N06°36'32"E

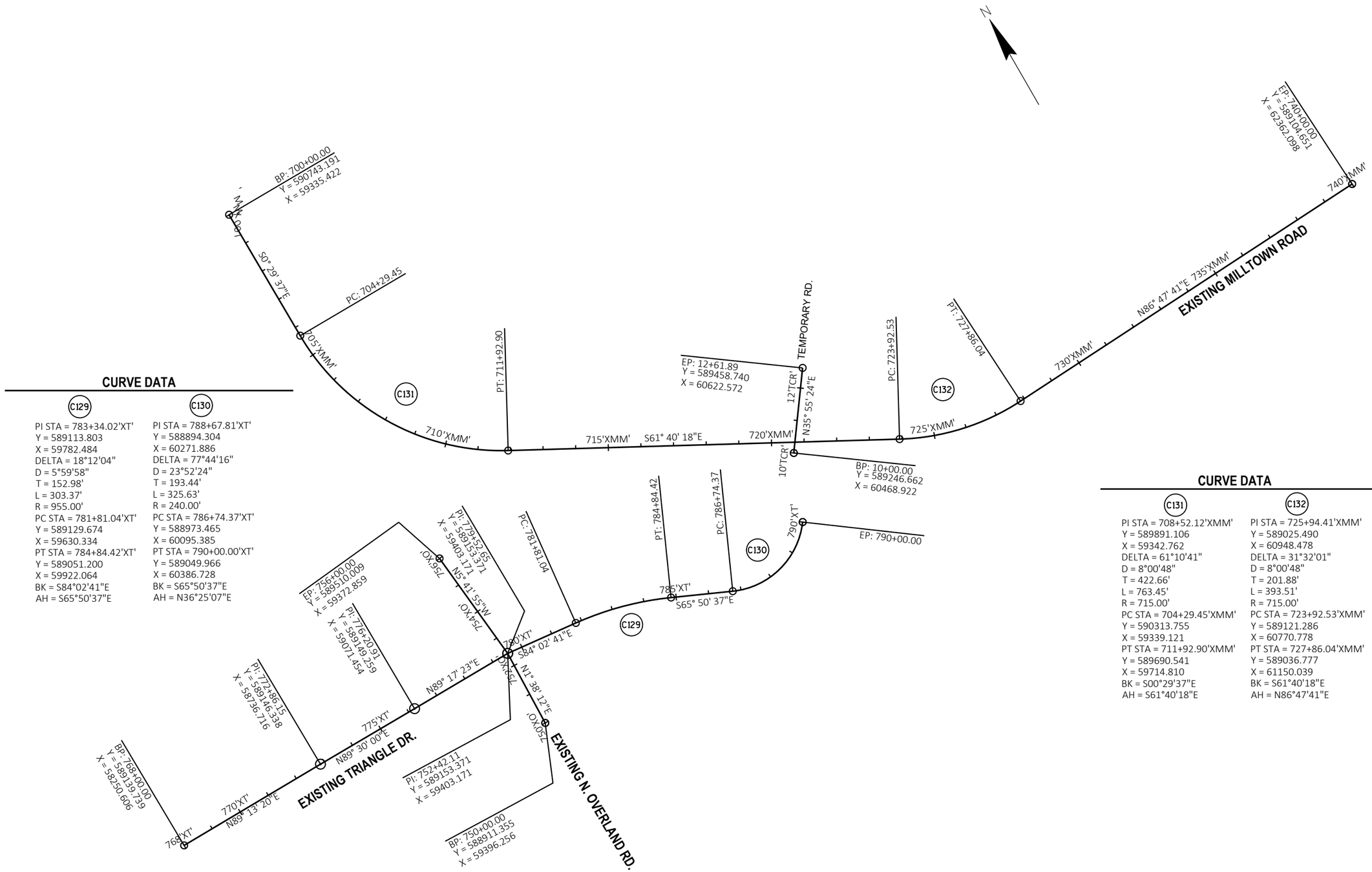
C127

PI STA = 710+40.98'XCL'
Y = 592877.807
X = 54160.590
DELTA = 17°56'39"
D = 5°59'58"
T = 150.78'
L = 299.09'
R = 955.00'
PC STA = 708+90.20'XCL'
Y = 592728.029
X = 54143.236
PT STA = 711+89.30'XCL'
Y = 593025.646
X = 54130.954
BK = N06°36'32"E
AH = N11°20'07"W

C128

PI STA = 715+65.52'XCL'
Y = 593394.537
X = 54057.006
DELTA = 9°44'24"
D = 4°00'04"
T = 122.01'
L = 243.43'
R = 1432.00'
PC STA = 714+43.51'XCL'
Y = 593274.907
X = 54080.987
PT STA = 716+86.95'XCL'
Y = 593516.500
X = 54053.609
BK = N11°20'07"W
AH = N01°35'43"W

2



CURVE DATA

C129

PI STA = 783+34.02'XT'
Y = 589113.803
X = 59782.484
DELTA = 18°12'04"
D = 5°59'58"
T = 152.98'
L = 303.37'
R = 955.00'
PC STA = 781+81.04'XT'
Y = 589129.674
X = 59630.334
PT STA = 784+84.42'XT'
Y = 589051.200
X = 59922.064
BK = S84°02'41"E
AH = S65°50'37"E

C130

PI STA = 788+67.81'XT'
Y = 588894.304
X = 60271.886
DELTA = 77°44'16"
D = 23°52'24"
T = 193.44'
L = 325.63'
R = 240.00'
PC STA = 786+74.37'XT'
Y = 589973.465
X = 60095.385
PT STA = 790+00.00'XT'
Y = 589049.966
X = 60386.728
BK = S65°50'37"E
AH = N36°25'07"E

CURVE DATA

C131

PI STA = 708+52.12'XMM'
Y = 589891.106
X = 59342.762
DELTA = 61°10'41"
D = 8°00'48"
T = 422.66'
L = 763.45'
R = 715.00'
PC STA = 704+29.45'XMM'
Y = 590313.755
X = 59339.121
PT STA = 711+92.90'XMM'
Y = 589690.541
X = 59714.810
BK = S00°29'37"E
AH = S61°40'18"E

C132

PI STA = 725+94.41'XMM'
Y = 589025.490
X = 60948.478
DELTA = 31°32'01"
D = 8°00'48"
T = 201.88'
L = 393.51'
R = 715.00'
PC STA = 723+92.53'XMM'
Y = 589121.286
X = 60770.778
PT STA = 727+86.04'XMM'
Y = 589036.777
X = 61150.039
BK = S61°40'18"E
AH = N86°47'41"E

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	ALIGNMENT DIAGRAM-EXISTING AND TEMPORARY ROADS	SHEET 491	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\027207 AD.DWG
LAYOUT NAME - 027213 ad
PLOT DATE : 4/29/2020 1:51 PM
PLOT BY : VERVILLE, PHILLIP
PLOT NAME :
PLOT SCALE : 1:300
WISDOT/CADDS SHEET 42

2

2

LEGEND

PHRAGMITE LOCATIONS

STH 29/32 WB

STH 29/32 EB

480'WB' 485'WB' 490'WB' 495'WB' 500'WB' 505'WB'

480'EB' 485'EB' 490'EB' 495'EB' 500'EB' 505'EB'

CTH U

COUNTY LINE RD.

GLENDALE AVE.

OLD HIGHWAY 29 RD.

N. COUNTY LINE RD.

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PHRAGMITE LOCATIONS	SHEET 492	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022101-PH.DWG
LAYOUT NAME - 022101-ph

PLOT DATE : 4/29/2020 2:04 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

PHRAGMITE LOCATIONS

N

MARLEY STREET

STH 29/32 WB

STH 29/32 EB

530'WB' 535'WB' 540'WB' 545'WB' 550'WB' 555'WB'

530'EB' 535'EB' 540'EB' 545'EB' 550'EB' 555'EB'

CTH VV

OVERLAND RD.

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PHRAGMITE LOCATIONS	SHEET 493	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\022102-PH.DWG
LAYOUT NAME - 022102-ph

PLOT DATE : 4/29/2020 2:10 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

Estimate Of Quantities

Line	Item	Item Description	Unit	Total	9200-10-71 Qty	9200-10-72 Qty
0002	201.0105	Clearing	STA	55.000	55.000	
0004	201.0120	Clearing	ID	200.000	200.000	
0006	201.0205	Grubbing	STA	55.000	55.000	
0008	201.0220	Grubbing	ID	200.000	200.000	
0010	203.0100	Removing Small Pipe Culverts	EACH	29.000	29.000	
0012	204.0100	Removing Concrete Pavement	SY	5,120.000	5,120.000	
0014	204.0110	Removing Asphaltic Surface	SY	225.000	225.000	
0016	204.0115	Removing Asphaltic Surface Butt Joints	SY	25.000	25.000	
0018	204.0130	Removing Curb	LF	560.000	560.000	
0020	204.0150	Removing Curb & Gutter	LF	3,565.000	3,565.000	
0022	204.0155	Removing Concrete Sidewalk	SY	2,725.000	2,725.000	
0024	204.0165	Removing Guardrail	LF	325.000	325.000	
0026	204.0170	Removing Fence	LF	495.000	495.000	
0028	204.0180	Removing Delineators and Markers	EACH	15.000	15.000	
0030	204.0210	Removing Manholes	EACH	2.000	2.000	
0032	204.0220	Removing Inlets	EACH	9.000	9.000	
0034	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	112.000	112.000	
0036	204.0245	Removing Storm Sewer (size) 02. 18-Inch	LF	834.000	834.000	
0038	204.0245	Removing Storm Sewer (size) 03. 24-Inch	LF	25.000	25.000	
0040	204.0245	Removing Storm Sewer (size) 04. 30-Inch	LF	12.000	12.000	
0042	204.9060.S	Removing (item description) 01. Apron Endwalls	EACH	6.000	6.000	
0044	204.9060.S	Removing (item description) 02. Underdrain Apron Endwalls	EACH	8.000	8.000	
0046	204.9090.S	Removing (item description) 01. Culvert Pipe	LF	86.000	86.000	
0048	204.9090.S	Removing (item description) 02. Pipe Underdrain 6-Inch	LF	1,930.000	1,930.000	
0050	205.0100	Excavation Common	CY	141,000.000	141,000.000	
0052	206.1000	Excavation for Structures Bridges (structure) 01. B-5-416	LS	1.000	1.000	
0054	208.0100	Borrow	CY	573,088.000	573,088.000	
0056	208.1100	Select Borrow	CY	44,381.000	44,381.000	
0058	210.1500	Backfill Structure Type A	TON	590.000	590.000	
0060	213.0100	Finishing Roadway (project) 01. 9200-10-71	EACH	1.000	1.000	
0062	213.0100	Finishing Roadway (project) 02. 9200-10-72	EACH	1.000		1.000
0064	214.0100	Obliterating Old Road	STA	7.600	7.600	
0066	305.0110	Base Aggregate Dense 3/4-Inch	TON	3,310.000	3,310.000	
0068	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	85,808.000	85,808.000	
0070	305.0130	Base Aggregate Dense 3-Inch	TON	18,200.000	18,200.000	
0072	310.0115	Base Aggregate Open-Graded	CY	150.000	150.000	
0074	312.0110	Select Crushed Material	TON	110,660.000	110,660.000	
0076	405.0100	Coloring Concrete WisDOT Red	CY	630.000	630.000	

					9200-10-71	9200-10-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0078	415.0090	Concrete Pavement 9-Inch	SY	10,560.000	10,560.000	
0080	415.0410	Concrete Pavement Approach Slab	SY	80.000	80.000	
0082	415.4100	Concrete Pavement Joint Filling	SY	5,590.000	5,590.000	
0084	415.5110.S	Concrete Pavement Joint Layout	LS	1.000	1.000	
0086	416.0160	Concrete Driveway 6-Inch	SY	50.000	50.000	
0088	416.0512	Concrete Truck Apron 12-Inch	SY	1,915.000	1,915.000	
0090	416.0610	Drilled Tie Bars	EACH	395.000	395.000	
0092	450.4000	HMA Cold Weather Paving	TON	2,540.000	2,540.000	
0094	455.0605	Tack Coat	GAL	5,060.000	5,060.000	
0096	460.2000	Incentive Density HMA Pavement	DOL	12,120.000	12,120.000	
0098	460.5223	HMA Pavement 3 LT 58-28 S	TON	2,660.000	2,660.000	
0100	460.5224	HMA Pavement 4 LT 58-28 S	TON	2,050.000	2,050.000	
0102	460.6223	HMA Pavement 3 MT 58-28 S	TON	8,550.000	8,550.000	
0104	460.6424	HMA Pavement 4 MT 58-28 H	TON	5,660.000	5,660.000	
0106	465.0105	Asphaltic Surface	TON	15.000	15.000	
0108	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	345.000	345.000	
0110	465.0125	Asphaltic Surface Temporary	TON	200.000	200.000	
0112	465.0315	Asphaltic Flumes	SY	60.000	60.000	
0114	465.0400	Asphaltic Shoulder Rumble Strips	LF	10,540.000	10,540.000	
0116	502.0100	Concrete Masonry Bridges	CY	1,164.000	1,164.000	
0118	502.3200	Protective Surface Treatment	SY	1,843.000	1,843.000	
0120	502.3210	Pigmented Surface Sealer	SY	217.000	217.000	
0122	503.0146	Prestressed Girder Type I 45W-Inch	LF	1,969.000	1,969.000	
0124	505.0400	Bar Steel Reinforcement HS Structures	LB	11,420.000	11,420.000	
0126	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	182,680.000	182,680.000	
0128	505.0800.S	Bar Steel Reinforcement HS Stainless Structures	LB	2,210.000	2,210.000	
0130	506.2605	Bearing Pads Elastomeric Non-Laminated	EACH	36.000	36.000	
0132	506.4000	Steel Diaphragms (structure) 01. B-5-416	EACH	32.000	32.000	
0134	513.4091	Railing Tubular Screening	LF	521.000	521.000	
0136	516.0500	Rubberized Membrane Waterproofing	SY	32.000	32.000	
0138	517.1010.S	Concrete Staining (structure) 01. B-5-416	SF	6,070.000	6,070.000	
0140	517.1015.S	Concrete Staining Multi-Color (structure) 01. B-5-416	SF	2,665.000	2,665.000	
0142	517.1050.S	Architectural Surface Treatment (structure) 01. B-5-416	SF	2,665.000	2,665.000	
0144	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	2.000	2.000	
0146	520.2024	Culvert Pipe Temporary 24-Inch	LF	88.000	88.000	
0148	520.8000	Concrete Collars for Pipe	EACH	13.000	13.000	
0150	521.0348	Apron Endwalls for Culvert Pipe Sloped Cross Drains Steel 48-Inch 4 to 1	EACH	1.000	1.000	
0152	521.1012	Apron Endwalls for Culvert Pipe Steel 12-Inch	EACH	3.000	3.000	
0154	521.1018	Apron Endwalls for Culvert Pipe Steel 18-Inch	EACH	8.000	8.000	

					9200-10-71	9200-10-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0156	521.1024	Apron Endwalls for Culvert Pipe Steel 24-Inch	EACH	8.000	8.000	
0158	521.1030	Apron Endwalls for Culvert Pipe Steel 30-Inch	EACH	2.000	2.000	
0160	521.1217	Apron Endwalls for Pipe Arch Steel 17x13-Inch	EACH	2.000	2.000	
0162	521.1221	Apron Endwalls for Pipe Arch Steel 21x15-Inch	EACH	4.000	4.000	
0164	521.3118	Culvert Pipe Corrugated Steel 18-Inch	LF	206.000	206.000	
0166	521.3124	Culvert Pipe Corrugated Steel 24-Inch	LF	174.000	174.000	
0168	521.3130	Culvert Pipe Corrugated Steel 30-Inch	LF	76.000	76.000	
0170	521.3717	Pipe Arch Corrugated Steel 17x13-Inch	LF	34.000	34.000	
0172	521.3721	Pipe Arch Corrugated Steel 21x15-Inch	LF	62.000	62.000	
0174	522.0118	Culvert Pipe Reinforced Concrete Class III 18-Inch	LF	64.000	64.000	
0176	522.0124	Culvert Pipe Reinforced Concrete Class III 24-Inch	LF	6.000	6.000	
0178	522.0130	Culvert Pipe Reinforced Concrete Class III 30-Inch	LF	142.000	142.000	
0180	522.0148	Culvert Pipe Reinforced Concrete Class III 48-Inch	LF	22.000	22.000	
0182	522.0430	Culvert Pipe Reinforced Concrete Class IV 30-Inch	LF	164.000	164.000	
0184	522.0436	Culvert Pipe Reinforced Concrete Class IV 36-Inch	LF	184.000	184.000	
0186	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	1.000	1.000	
0188	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	8.000	8.000	
0190	522.1021	Apron Endwalls for Culvert Pipe Reinforced Concrete 21-Inch	EACH	1.000	1.000	
0192	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	5.000	5.000	
0194	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	4.000	4.000	
0196	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	6.000	6.000	
0198	522.1048	Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	EACH	1.000	1.000	
0200	522.2338	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 38x60-Inch	LF	152.000	152.000	
0202	522.2629	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 29x45-Inch	EACH	1.000	1.000	
0204	522.2638	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 38x60-Inch	EACH	2.000	2.000	
0206	524.0124	Culvert Pipe Salvaged 24-Inch	LF	100.000	100.000	
0208	524.0624	Apron Endwalls for Culvert Pipe Salvaged 24-Inch	EACH	5.000	5.000	
0210	524.0630	Apron Endwalls for Culvert Pipe Salvaged 30-Inch	EACH	1.000	1.000	
0212	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	5,265.000	5,265.000	
0214	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	1,075.000	1,075.000	
0216	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	2,600.000	2,600.000	
0218	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	31,180.000	31,180.000	

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Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0220	601.0551	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type A	LF	500.000	500.000	
0222	601.0553	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	LF	150.000	150.000	
0224	601.0576	Concrete Curb & Gutter 4-Inch Sloped 30-Inch Type J	LF	60.000	60.000	
0226	601.0580	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type R	LF	1,420.000	1,420.000	
0228	601.0600	Concrete Curb Pedestrian	LF	640.000	640.000	
0230	602.0405	Concrete Sidewalk 4-Inch	SF	101,700.000	101,700.000	
0232	602.0415	Concrete Sidewalk 6-Inch	SF	4,660.000	4,660.000	
0234	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	872.000	872.000	
0236	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	125.000	125.000	
0238	603.8000	Concrete Barrier Temporary Precast Delivered	LF	3,200.000	3,200.000	
0240	603.8125	Concrete Barrier Temporary Precast Installed	LF	3,200.000	3,200.000	
0242	604.0500	Slope Paving Crushed Aggregate	SY	678.000	678.000	
0244	606.0200	Riprap Medium	CY	800.000	800.000	
0246	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	247.000	247.000	
0248	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	296.000	296.000	
0250	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	884.000	884.000	
0252	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	2,277.000	2,277.000	
0254	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	1,498.000	1,498.000	
0256	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	1,992.000	1,992.000	
0258	608.0348	Storm Sewer Pipe Reinforced Concrete Class III 48-Inch	LF	1,249.000	1,249.000	
0260	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	969.000	969.000	
0262	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	730.000	730.000	
0264	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	1,074.000	1,074.000	
0266	608.0421	Storm Sewer Pipe Reinforced Concrete Class IV 21-Inch	LF	171.000	171.000	
0268	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	191.000	191.000	
0270	608.2329	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 29x45-Inch	LF	58.000	58.000	
0272	608.6008	Storm Sewer Pipe Composite 8-Inch	LF	138.000	138.000	
0274	608.6010	Storm Sewer Pipe Composite 10-Inch	LF	138.000	138.000	

					9200-10-71	9200-10-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0276	608.6012	Storm Sewer Pipe Composite 12-Inch	LF	236.000	236.000	
0278	611.0535	Manhole Covers Type J-Special	EACH	58.000	58.000	
0280	611.0624	Inlet Covers Type H	EACH	111.000	111.000	
0282	611.0639	Inlet Covers Type H-S	EACH	34.000	34.000	
0284	611.0642	Inlet Covers Type MS	EACH	5.000	5.000	
0286	611.0652	Inlet Covers Type T	EACH	8.000	8.000	
0288	611.2003	Manholes 3-FT Diameter	EACH	6.000	6.000	
0290	611.2004	Manholes 4-FT Diameter	EACH	5.000	5.000	
0292	611.2005	Manholes 5-FT Diameter	EACH	16.000	16.000	
0294	611.2006	Manholes 6-FT Diameter	EACH	12.000	12.000	
0296	611.2007	Manholes 7-FT Diameter	EACH	10.000	10.000	
0298	611.2008	Manholes 8-FT Diameter	EACH	1.000	1.000	
0300	611.3004	Inlets 4-FT Diameter	EACH	12.000	12.000	
0302	611.3225	Inlets 2x2.5-FT	EACH	4.000	4.000	
0304	611.3230	Inlets 2x3-FT	EACH	135.000	135.000	
0306	611.3901	Inlets Median 1 Grate	EACH	1.000	1.000	
0308	611.3902	Inlets Median 2 Grate	EACH	2.000	2.000	
0310	611.9800.S	Pipe Grates	EACH	4.000	4.000	
0312	612.0106	Pipe Underdrain 6-Inch	LF	3,140.000	3,140.000	
0314	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	70.000	70.000	
0316	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	238.000	238.000	
0318	612.0700	Drain Tile Exploration	LF	50.000	50.000	
0320	612.0806	Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	EACH	7.000	7.000	
0322	614.0150	Anchor Assemblies for Steel Plate Beam Guard	EACH	4.000	4.000	
0324	614.0220	Steel Thrie Beam Bullnose Terminal	EACH	2.000	2.000	
0326	614.0230	Steel Thrie Beam	LF	125.000	125.000	
0328	614.0905	Crash Cushions Temporary	EACH	4.000	4.000	
0330	616.0700.S	Fence Safety	LF	400.000	400.000	
0332	618.0100	Maintenance And Repair of Haul Roads (project) 01. 9200-10-71	EACH	1.000	1.000	
0334	618.0100	Maintenance And Repair of Haul Roads (project) 02. 9200-10-72	EACH	1.000		1.000
0336	619.1000	Mobilization	EACH	1.000	0.900	0.100
0338	620.0300	Concrete Median Sloped Nose	SF	1,490.000	1,490.000	
0340	621.0100	Landmark Reference Monuments	EACH	14.000	14.000	
0342	623.0200	Dust Control Surface Treatment	SY	12,000.000	12,000.000	
0344	624.0100	Water	MGAL	2,100.000	2,100.000	
0346	625.0500	Salvaged Topsoil	SY	314,010.000	314,010.000	
0348	627.0200	Mulching	SY	115,000.000	115,000.000	

					9200-10-71	9200-10-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0350	628.1504	Silt Fence	LF	70,800.000	53,300.000	17,500.000
0352	628.1520	Silt Fence Maintenance	LF	111,500.000	106,600.000	4,900.000
0354	628.1905	Mobilizations Erosion Control	EACH	36.000	24.000	12.000
0356	628.1910	Mobilizations Emergency Erosion Control	EACH	26.000	18.000	8.000
0358	628.2004	Erosion Mat Class I Type B	SY	307,500.000	307,500.000	
0360	628.2008	Erosion Mat Urban Class I Type B	SY	54,300.000	54,300.000	
0362	628.2037	Erosion Mat Class III Type C	SY	530.000	530.000	
0364	628.6510	Soil Stabilizer Type B	ACRE	16.000	16.000	
0366	628.7005	Inlet Protection Type A	EACH	165.000	160.000	5.000
0368	628.7010	Inlet Protection Type B	EACH	10.000	5.000	5.000
0370	628.7015	Inlet Protection Type C	EACH	185.000	155.000	30.000
0372	628.7020	Inlet Protection Type D	EACH	10.000	5.000	5.000
0374	628.7504	Temporary Ditch Checks	LF	1,400.000	900.000	500.000
0376	628.7555	Culvert Pipe Checks	EACH	320.000	120.000	200.000
0378	628.7560	Tracking Pads	EACH	17.000	17.000	
0380	628.7570	Rock Bags	EACH	1,200.000	700.000	500.000
0382	629.0210	Fertilizer Type B	CWT	375.000	375.000	
0384	630.0110	Seeding Mixture No. 10	LB	1,800.000	1,800.000	
0386	630.0120	Seeding Mixture No. 20	LB	7,580.000	7,580.000	
0388	630.0130	Seeding Mixture No. 30	LB	280.000	280.000	
0390	630.0140	Seeding Mixture No. 40	LB	700.000	700.000	
0392	630.0175	Seeding Mixture No. 75	LB	65.000	65.000	
0394	630.0200	Seeding Temporary	LB	500.000	500.000	
0396	630.0500	Seed Water	MGAL	1,500.000	1,500.000	
0398	632.0101	Trees (species) (size) (root) 01. Syringa Reticulata, B&B, 2" Cal, Ivory Silk Lilac	EACH	6.000	6.000	
0400	632.0101	Trees (species) (size) (root) 02. Juniperus Chinensis, B&B, 48" HT, Spartan Juniper	EACH	8.000	8.000	
0402	632.0201	Shrubs (species) (size) (root) 01. Physocarpus Opulifolius 'Monlo', CG, #5 Ninebark Diabolo	EACH	16.000	16.000	
0404	632.0201	Shrubs (species) (size) (root) 02. Potentilla Fruticoas, CG, #2, Abbotswood Potentilla	EACH	72.000	72.000	
0406	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	12.000	12.000	
0408	633.0100	Delineator Posts Steel	EACH	100.000	100.000	
0410	633.0500	Delineator Reflectors	EACH	136.000	136.000	
0412	633.5200	Markers Culvert End	EACH	16.000	16.000	
0414	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	56.000	56.000	
0416	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	74.000	74.000	
0418	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	45.000	45.000	
0420	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	31.000	31.000	
0422	634.0812	Posts Tubular Steel 2x2-Inch X 12-FT	EACH	4.000	4.000	

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Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0424	635.0200	Sign Supports Structural Steel HS	LB	9,555.000	9,555.000	
0426	636.0100	Sign Supports Concrete Masonry	CY	14.000	14.000	
0428	636.0500	Sign Supports Steel Reinforcement	LB	826.000	826.000	
0430	637.1220	Signs Type I Reflective SH	SF	2,312.500	2,312.500	
0432	637.2210	Signs Type II Reflective H	SF	1,477.820	1,477.820	
0434	637.2220	Signs Type II Reflective SH	SF	20.250	20.250	
0436	637.2230	Signs Type II Reflective F	SF	323.170	323.170	
0438	638.2601	Removing Signs Type I	EACH	8.000	8.000	
0440	638.2602	Removing Signs Type II	EACH	128.000	128.000	
0442	638.3000	Removing Small Sign Supports	EACH	171.000	171.000	
0444	638.3100	Removing Structural Steel Sign Supports	EACH	6.000	6.000	
0446	640.1303.S	Pond Liner Clay	CY	7,420.000	7,420.000	
0448	642.5401	Field Office Type D	EACH	1.000	0.800	0.200
0450	643.0300	Traffic Control Drums	DAY	65,200.000	65,200.000	
0452	643.0420	Traffic Control Barricades Type III	DAY	19,400.000	19,400.000	
0454	643.0705	Traffic Control Warning Lights Type A	DAY	28,400.000	28,400.000	
0456	643.0715	Traffic Control Warning Lights Type C	DAY	22,500.000	22,500.000	
0458	643.0800	Traffic Control Arrow Boards	DAY	3,600.000	3,600.000	
0460	643.0900	Traffic Control Signs	DAY	71,300.000	71,300.000	
0462	643.1000	Traffic Control Signs Fixed Message	SF	126.000	126.000	
0464	643.1050	Traffic Control Signs PCMS	DAY	500.000	500.000	
0466	643.5000	Traffic Control	EACH	1.000	1.000	
0468	645.0111	Geotextile Type DF Schedule A	SY	2,794.000	2,794.000	
0470	645.0120	Geotextile Type HR	SY	2,320.000	2,320.000	
0472	645.0140	Geotextile Type SAS	SY	88,410.000	88,410.000	
0474	646.1020	Marking Line Epoxy 4-Inch	LF	53,675.000	53,675.000	
0476	646.1555	Marking Line Grooved Contrast Permanent Tape 4-Inch	LF	100.000	100.000	
0478	646.3020	Marking Line Epoxy 8-Inch	LF	540.000	540.000	
0480	646.3555	Marking Line Grooved Contrast Permanent Tape 8-Inch	LF	3,380.000	3,380.000	
0482	646.5020	Marking Arrow Epoxy	EACH	8.000	8.000	
0484	646.6120	Marking Stop Line Epoxy 18-Inch	LF	15.000	15.000	
0486	646.6464	Cold Weather Marking Epoxy 4-Inch	LF	10,940.000	10,940.000	
0488	646.6468	Cold Weather Marking Epoxy 8-Inch	LF	290.000	290.000	
0490	646.7120	Marking Diagonal Epoxy 12-Inch	LF	530.000	530.000	
0492	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,510.000	1,510.000	
0494	646.8120	Marking Curb Epoxy	LF	375.000	375.000	
0496	646.8220	Marking Island Nose Epoxy	EACH	10.000	10.000	
0498	646.9010	Marking Removal Line Water Blasting 4-Inch	LF	4,085.000	4,085.000	
0500	646.9110	Marking Removal Line Water Blasting 8-Inch	LF	3,415.000	3,415.000	
0502	649.0120	Temporary Marking Line Epoxy 4-Inch	LF	920.000	920.000	

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Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0504	649.0820	Temporary Marking Stop Line Epoxy 18-Inch	LF	30.000	30.000	
0506	650.4000	Construction Staking Storm Sewer	EACH	216.000	216.000	
0508	650.4500	Construction Staking Subgrade	LF	31,764.000	31,764.000	
0510	650.5000	Construction Staking Base	LF	21,878.000	21,878.000	
0512	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	33,203.000	33,203.000	
0514	650.6000	Construction Staking Pipe Culverts	EACH	15.000	15.000	
0516	650.6500	Construction Staking Structure Layout (structure) 01. B-5-416	LS	1.000	1.000	
0518	650.7000	Construction Staking Concrete Pavement	LF	9,886.000	9,886.000	
0520	650.8500	Construction Staking Electrical Installations (project) 01. 9200-10-71	LS	1.000	1.000	
0522	650.9000	Construction Staking Curb Ramps	EACH	49.000	49.000	
0524	650.9910	Construction Staking Supplemental Control (project) 01. 9200-10-71	LS	1.000	1.000	
0526	650.9910	Construction Staking Supplemental Control (project) 02. 9200-10-72	LS	1.000		1.000
0528	650.9920	Construction Staking Slope Stakes	LF	34,606.000	34,606.000	
0530	652.0125	Conduit Rigid Metallic 2-Inch	LF	34.000	14.000	20.000
0532	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	7,933.000	7,488.000	445.000
0534	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	2,065.000	2,065.000	
0536	652.0605	Conduit Special 2-Inch	LF	95.000		95.000
0538	652.0700.S	Install Conduit into Existing Item	EACH	2.000		2.000
0540	653.0140	Pull Boxes Steel 24x42-Inch	EACH	2.000		2.000
0542	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	40.000	40.000	
0544	653.0222	Junction Boxes 18x12x6-Inch	EACH	1.000	1.000	
0546	653.0905	Removing Pull Boxes	EACH	21.000	21.000	
0548	654.0105	Concrete Bases Type 5	EACH	42.000	42.000	
0550	654.0230	Concrete Control Cabinet Bases Type L30	EACH	2.000	2.000	
0552	654.1150	Concrete Bases Camera Pole 50-FT	EACH	1.000		1.000
0554	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	755.000		755.000
0556	655.0525	Electrical Wire Traffic Signals 6 AWG	LF	330.000		330.000
0558	655.0610	Electrical Wire Lighting 12 AWG	LF	8,853.000	8,853.000	
0560	655.0615	Electrical Wire Lighting 10 AWG	LF	9,320.000	9,320.000	
0562	655.0625	Electrical Wire Lighting 6 AWG	LF	29,865.000	29,865.000	
0564	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. CB100	LS	1.000	1.000	
0566	656.0200	Electrical Service Meter Breaker Pedestal (location) 02. CB200	LS	1.000	1.000	
0568	656.0200	Electrical Service Meter Breaker Pedestal (location) 03. STH 29 EB & CTH VV	LS	1.000	1.000	
0570	656.0200	Electrical Service Meter Breaker Pedestal (location) 04.	LS	1.000	1.000	

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Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
		STH 29 WB & CTH VV				
0572	656.0500	Electrical Service Breaker Disconnect Box (location) 01. CCTV-05-0113	LS	1.000		1.000
0574	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	42.000	42.000	
0576	657.0322	Poles Type 5-Aluminum	EACH	42.000	42.000	
0578	657.0710	Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT	EACH	43.000	43.000	
0580	657.6005	Anchor Assemblies Light Poles on Structures	EACH	1.000	1.000	
0582	659.1115	Luminaires Utility LED A	EACH	28.000	28.000	
0584	659.1120	Luminaires Utility LED B	EACH	15.000	15.000	
0586	659.2130	Lighting Control Cabinets 120/240 30-Inch	EACH	2.000	2.000	
0588	670.0100	Field System Integrator	LS	1.000		1.000
0590	670.0200	ITS Documentation	LS	1.000		1.000
0592	673.0200	Tracer Wire Marker Posts	EACH	3.000		3.000
0594	673.0225.S	Install Pole Mounted Cabinet	EACH	1.000		1.000
0596	677.0150	Install Camera Pole 50-FT	EACH	1.000		1.000
0598	677.0200	Install Camera Assembly	EACH	1.000		1.000
0600	678.0012	Install Fiber Optic Cable Outdoor Plant 12-CT	LF	935.000		935.000
0602	678.0300	Fiber Optic Splice	EACH	16.000		16.000
0604	678.0400	Fiber Optic Termination	EACH	12.000		12.000
0606	678.0500	Communication System Testing	LS	1.000		1.000
0608	678.0600	Install Ethernet Switches	EACH	1.000		1.000
0610	690.0150	Sawing Asphalt	LF	10,185.000	10,185.000	
0612	690.0250	Sawing Concrete	LF	4,115.000	4,115.000	
0614	715.0415	Incentive Strength Concrete Pavement	DOL	5,540.000	5,540.000	
0616	715.0502	Incentive Strength Concrete Structures	DOL	6,950.000	6,950.000	
0618	715.0710	Optimized Aggregate Gradation Incentive	DOL	9,950.000	9,950.000	
0620	740.0440	Incentive IRI Ride	DOL	5,890.000	5,890.000	
0622	999.1500.S	Crack and Damage Survey	LS	1.000	1.000	
0624	SPV.0035	Special 01. Planting Soil Mixture	CY	970.000	970.000	
0626	SPV.0035	Special 02. Foundation Backfill	CY	125.000	125.000	
0628	SPV.0060	Special 01. Manholes 10-FT Diameter	EACH	1.000	1.000	
0630	SPV.0060	Special 02. Inlets 6-FT Diameter	EACH	2.000	2.000	
0632	SPV.0060	Special 03. Apron Endwalls for Culvert Pipe Steel 10-Inch	EACH	2.000	2.000	
0634	SPV.0060	Special 04. Outfall Structure 2X2-FT	EACH	3.000	3.000	
0636	SPV.0060	Special 05. Outfall Structure 3X3-FT	EACH	2.000	2.000	
0638	SPV.0060	Special 06. Outfall Structure 3X6-FT	EACH	1.000	1.000	
0640	SPV.0060	Special 07. Rock Crib CTH TS	EACH	1.000	1.000	
0642	SPV.0060	Special 08. Rock Crib CTH VV	EACH	1.000	1.000	
0644	SPV.0060	Special 09. Rock Crib Evergreen Ave	EACH	1.000	1.000	

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Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0646	SPV.0060	Special 10. Construction Staking Pond Layout	EACH	3.000	3.000	
0648	SPV.0060	Special 12. Storm Sewer Plug 12-Inch	EACH	2.000	2.000	
0650	SPV.0060	Special 13. Storm Sewer Plug 21-Inch	EACH	1.000	1.000	
0652	SPV.0060	Special 14. Storm Sewer Plug 24-Inch	EACH	1.000	1.000	
0654	SPV.0060	Special 20. Cable Splice	EACH	10.000		10.000
0656	SPV.0060	Special 21. Handhole	EACH	44.000		44.000
0658	SPV.0060	Special 30. Concrete Control Cabinet Base NER Type 10	EACH	2.000	2.000	
0660	SPV.0060	Special 40. Grasses, Feather Reed Grass (Karl Foerster), CG, #1	EACH	93.000	93.000	
0662	SPV.0060	Special 41. Perennials, Russian Sage, CG, #1	EACH	148.000	148.000	
0664	SPV.0060	Special 42. Perennials, Professor Kippenbeg Aster, CG, #1	EACH	52.000	52.000	
0666	SPV.0060	Special 43. Perennials, Purple Gas Plant, CG, #1	EACH	49.000	49.000	
0668	SPV.0060	Special 44. Perennials, Butterfly Flower, CG, #1	EACH	25.000	25.000	
0670	SPV.0060	Special 45. Perennials, 'Bravado' Coneflower, CG, #1	EACH	96.000	96.000	
0672	SPV.0060	Special 46. Perennials, 'Fireball' Monarda, CG, #1	EACH	79.000	79.000	
0674	SPV.0060	Special 47. Perennials, 'Autumn Fire' Sedum, CG, #1	EACH	123.000	123.000	
0676	SPV.0060	Special 48. Perennials, 'Stella D' Oro' Daylilly, CG, #1	EACH	509.000	509.000	
0678	SPV.0060	Special 49. Perennials, 'Autumn Joy', Sedum, CG, #1	EACH	443.000	443.000	
0680	SPV.0060	Special 50. Perennials, Moonshine Yarrow, CG, #1	EACH	183.000	183.000	
0682	SPV.0060	Special 60. Planting Pod	EACH	38.000	38.000	
0684	SPV.0060	Special 61. Submergent Wetland Plantings	EACH	755.000	755.000	
0686	SPV.0060	Special 62. Emergent Wetland Plantings	EACH	1,520.000	1,520.000	
0688	SPV.0090	Special 01. Concrete Curb & Gutter 24-Inch Type D	LF	145.000	145.000	
0690	SPV.0090	Special 02. Fence Chain Link Polymer Coated 6-FT	LF	64.000	64.000	
0692	SPV.0090	Special 03. Steel Casing Pipe 20-Inch	LF	380.000	380.000	
0694	SPV.0090	Special 04. Concrete Curb Type G Modified	LF	50.000	50.000	
0696	SPV.0090	Special 05. Storm Lateral 4-Inch	LF	50.000	50.000	
0698	SPV.0090	Special 06. Marking Line Yield Line 18-Inch	LF	230.000	230.000	
0700	SPV.0090	Special 20. HDPE Conduit 1.25-Inch and 2-Inch Directional Bored	LF	53,873.000		53,873.000
0702	SPV.0090	Special 21. HDPE Conduit 1.25-Inch and 2-Inch Vibratory Plowed	LF	11,231.000		11,231.000
0704	SPV.0090	Special 22. 432 Strand Fiber Optic Cable	LF	47,695.000		47,695.000
0706	SPV.0090	Special 23. 216 Strand Fiber Optic Cable	LF	22,909.000		22,909.000
0708	SPV.0105	Special 01. Remove RCUT Lighting Equipment	LS	1.000	1.000	
0710	SPV.0105	Special 02. Grading and Shaping Temporary Connection Road	LS	1.000	1.000	
0712	SPV.0105	Special 20. Traffic Control Project 9200-10-72	LS	1.000		1.000
0714	SPV.0105	Special 21. Construction Staking Broadband Fiber	LS	1.000		1.000

					9200-10-71	9200-10-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0716	SPV.0180	Special 01. Hardwood Mulch	SY	1,440.000	1,440.000	
0718	SPV.0180	Special 02. Concrete Base SHES 9-Inch	SY	5,960.000	5,960.000	
0720	SPV.0180	Special 03. Colored and Stamped Concrete 4-Inch	SY	2,090.000	2,090.000	

CLEARING AND GRUBBING

CATEGORY	STATION	TO	STATION	LOCATION	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID
STAGE 1								
0010	203RA+19	-	204RA+36	RAMP A	2	-	2	-
0010	207RA+38			RAMP A, LT	-	12	-	12
0010	303RB+80	-	312RB+65	RAMP B	10	-	10	-
0010	402RC+69			RAMP C, RT	-	24	-	24
0010	518RD+17			RAMP D, RT	-	12	-	12
0010	518RD+18			RAMP D, RT	-	12	-	12
0010	630EGE+61	-	631EGE+96	EVERGREEN AVE, EB	2	-	2	-
0010	631EGW+34	-	631EGW+71	EVERGREEN AVE, WB	1	-	1	-
0010	637EGW+06	-	637EGW+54	EVERGREEN AVE, WB	1	-	1	-
0010	96PEG+20	-	96PEG+81	POND - EVERGREEN	1	-	1	-
0010				UNDISTRIBUTED - ALL STAGES	9	56	9	56
				STAGE 1 SUBTOTALS	26	116	26	116
STAGE 2								
0010	53SB+73	-	59SB+07	MARLEY ST, SB	10	-	10	-
0010	54NB+42	-	56NB+59	MARLEY ST, NB	4	-	4	-
0010	60SB+79	-	61SB+61	MARLEY ST, SB	2	-	2	-
0010	61NB+54	-	66NB+00	MARLEY ST, NB	5	-	5	-
0010	64SB+26			MARLEY ST, SB, LT	-	12	-	12
0010	65SB+34			MARLEY ST, SB LT	-	18	-	18
0010	41CD+53	-	42CD+35	MARLEY ST - EVERGREEN RAB	2	-	2	-
				STAGE 2 SUBTOTALS	23	30	23	30
STAGE 4								
0010	28SB+98	-	30SB+32	CTH VV, SB	4	-	4	-
0010	29NB+08			CTH VV, NB, RT	-	18	-	18
0010	29NB+34			CTH VV, NB, RT	-	24	-	24
				STAGE 4 SUBTOTALS	4	42	4	42
STAGE 5								
0010	526EB+35			STH 29, EB, RT	-	6	-	6
0010	526EB+38			STH 29, EB, RT	-	6	-	6
				STAGE 5 SUBTOTALS	0	12	0	12
STAGE 6								
0010	108OH+00	-	110OH+00	OLD HWY 29	2	-	2	-
				STAGE 6 SUBTOTALS	2	0	2	0
				TOTAL 0010	55	200	55	200

REMOVING PAVEMENT

CATEGORY	STATION	TO	STATION	LOCATION	204.0100 REMOVING PAVEMENT SY	REMARKS
STAGE 2						
0010	798M+87			MILLWOOD CT, RT	30	
				STAGE 2 SUBTOTALS	30	
STAGE 5						
0010	524EB+19	-	529EB+70	STH 29, EB, RT	500	UNDER EXISTING ASPHALTIC PAVEMENT
0010	554EB+09	-	566EB+61	STH 29, EB, LT	1,335	UNDER EXISTING ASPHALTIC PAVEMENT
				STAGE 5 SUBTOTALS	1,835	
STAGE 6						
0010	560WB+40	-	567WB+22	STH 29, WB, LT	1,500	UNDER EXISTING ASPHALTIC PAVEMENT
0010	482EB+16	-	489EB+74	STH 29, EB, RT	700	UNDER EXISTING ASPHALTIC PAVEMENT
0010	484WB+74	-	492WB+38	STH 29, WB, LT	720	UNDER EXISTING ASPHALTIC PAVEMENT
0010	112OH+25	-	113OH+50	OLD HWY 29	335	UNDER EXISTING ASPHALTIC PAVEMENT
				STAGE 6 SUBTOTALS	3,255	
				TOTAL 0010	5,120	

REMOVING CURB & GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	204.0130 REMOVING CURB LF	204.0150 REMOVING CURB & GUTTER LF
STAGE 2						
0010	706CT+31			CONNECTION RD, LT	-	6
0010	706CT+88	-	707CT+97	CONNECTION RD, LT	-	150
0010	708CT+38			CONNECTION RD, LT	-	14
				STAGE 2 SUBTOTALS	0	170
STAGE 5						
0010	558EB+52	-	559EB+93	STH 29, EB, RT	-	200
				STAGE 5 SUBTOTALS	0	200
STAGE 6						
0010	485EB+65	-	488EB+89	STH 29, EB, LT	460	1,070
0010	485WB+83	-	487WB+37	STH 29, WB, LT	-	275
0010	487EB+11	-	488EB+71	STH 29, EB, RT	-	255
0010	557EB+14	-	560EB+12	STH 29, EB, LT	100	890
0010	558WB+24	-	560WB+04	STH 29, WB, LT	-	570
0010	103OH+53	-	104OH+77	OLD HWY 29	-	135
				STAGE 6 SUBTOTALS	560	3,195
				TOTAL 0010	560	3,565

REMOVING DRAINAGE

CATEGORY	STATION TO STATION	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER 12-INCH LF	204.0245.02 REMOVING STORM SEWER 18-INCH LF	204.0245.03 REMOVING STORM SEWER 24-INCH LF	204.0245.04 REMOVING STORM SEWER 30-INCH LF	204.9060.S.01 REMOVING APRON ENDWALLS EACH	204.9060.S.02 REMOVING UNDERDRAIN APRON ENDWALLS EACH	204.9090.S.01 REMOVING CULVERT PIPE LF	204.9090.S.02 REMOVING PIPE UNDERDRAIN 6-INCH LF	REMARKS
STAGE 1														
0010	208RA+71	RAMP A, LT	-	-	-	-	-	-	-	1	-	-	-	
		STAGE 1 SUBTOTALS	0	0	0	0	0	0	0	1	0	0	0	
STAGE 2														
0010	50NB+55	MARLEY ST, NB, RT	1	-	-	-	-	-	-	-	-	-	-	18-INCH CMP
0010	52NB+33	MARLEY ST, NB, RT	1	-	-	-	-	-	-	-	-	-	-	18-INCH CMP
0010	56NB+75	MARLEY ST, NB, RT	1	-	-	-	-	-	-	-	-	-	-	18-INCH CMP
0010	57NB+86	MARLEY ST, NB, RT	1	-	-	-	-	-	-	-	-	-	-	18-INCH CMP
0010	63SB+75	MARLEY ST, SB, LT	1	-	-	-	-	-	-	-	-	-	-	18-INCH CMP
0010	63NB+92	MARLEY ST, NB, LT	1	-	-	-	-	-	-	-	-	-	-	15-INCH CMP
0010	64NB+52	MARLEY ST, NB, LT	1	-	-	-	-	-	-	-	-	-	-	18-INCH CMP
0010	798M+85	MILLWOOD CT, RT	1	-	-	-	-	-	-	-	-	-	-	15-INCH CMP
0010	637EGE+39	EVERGREEN AVE	1	-	-	-	-	-	-	-	-	-	-	30-INCH CMP
0010	638EGE+26	EVERGREEN AVE, RT	1	-	-	-	-	-	-	-	-	-	-	24-INCH CMP
0010	640EGE+12	EVERGREEN AVE, RT	1	-	-	-	-	-	-	-	-	-	-	24-INCH CMP
0010	705CT+81	CONNECTION RD, LT	1	-	-	-	-	-	-	-	-	-	-	12-INCH CMP
0010	706CT+71	CONNECTION RD, LT	1	-	-	-	-	-	-	-	-	-	-	18-INCH CMP
0010	707CT+01	CONNECTION RD	1	-	-	-	-	-	-	-	-	-	-	18-INCH CMP
0010	707CT+88	CONNECTION RD, LT	1	-	-	-	-	-	-	-	-	-	-	18-INCH CMP
0010	709CT+55	CONNECTION RD, LT	1	-	-	-	-	-	-	-	-	-	-	24-INCH CMP
0010	709CT+55	CONNECTION RD, LT	1	-	-	-	-	-	-	-	-	-	-	24-INCH CMP
		STAGE 2 SUBTOTALS	16	0	0	0	0	0	0	0	0	0	0	
STAGE 3														
0010	542EB+00	STH 29, EB, RT	1	-	-	-	-	-	-	-	-	-	-	18-INCH RCCP
		STAGE 3 SUBTOTALS	1	0	0	0	0	0	0	0	0	0	0	
STAGE 4														
0010	29NB+21	CTH VV, NB, RT	1	-	-	-	-	-	-	-	-	-	-	18-INCH RCP
0010	29SB+25	CTH VV, SB, LT	1	-	-	-	-	-	-	-	-	-	-	18-INCH RCP
0010	36NB+25	CTH VV, NB, RT	1	-	-	-	-	-	-	-	-	-	-	18-INCH RCP
0010	501OV+29	OVERLAND RD	1	-	-	-	-	-	-	-	-	-	-	18-INCH CMCP
0010	771XT+49	EXISTING TRIANGLE RD	1	-	-	-	-	-	-	-	-	-	-	24-INCH RCP
		STAGE 4 SUBTOTALS	5	0	0	0	0	0	0	0	0	0	0	
STAGE 5														
0010	524EB+25 - 529EB+70	STH 29, EB, RT	-	-	-	-	-	-	-	-	-	-	545	
0010	526EB+00	STH 29, EB, RT	-	-	-	-	-	-	-	-	1	-	15	
0010	531EB+00	STH 29, EB, RT	-	-	-	-	-	-	-	-	1	-	10	
0010	541EB+00	STH 29, EB, LT	-	-	-	-	-	-	-	-	1	-	10	
0010	554EB+00 - 566EB+60	STH 29, EB, RT	-	-	-	-	-	-	-	-	-	-	1,260	
0010	556EB+00	STH 29, EB, LT & RT	-	-	-	-	-	-	-	-	2	-	30	
0010	559EB+15	STH 29, EB, RT	1	-	-	-	-	-	-	-	-	-	-	18-INCH RCP
0010	561EB+00	STH 29, EB, RT	-	-	-	-	-	-	-	-	1	-	20	
0010	566EB+00	STH 29, EB, RT	-	-	-	-	-	-	-	-	1	-	20	
0010	576EB+00	STH 29, EB, LT	-	-	-	-	-	-	-	-	1	-	20	
0010	785XT+50	EXISTING TRIANGLE DR, RT	1	-	-	-	-	-	-	-	-	-	-	18-INCH CMP
		STAGE 5 SUBTOTALS	2	0	0	0	0	0	0	0	8	0	1,930	

REMOVING DRAINAGE (CONTINUED)

CATEGORY	STATION TO STATION	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER 12-INCH LF	204.0245.02 REMOVING STORM SEWER 18-INCH LF	204.0245.03 REMOVING STORM SEWER 24-INCH LF	204.0245.04 REMOVING STORM SEWER 30-INCH LF	204.9060.S.01 REMOVING APRON ENDWALLS EACH	204.9060.S.02 REMOVING UNDERDRAIN APRON ENDWALLS EACH	204.9090.S.01 REMOVING CULVERT PIPE LF	204.9090.S.02 REMOVING PIPE UNDERDRAIN 6-INCH LF	REMARKS
STAGE 6														
0010	704CT+50	CONNECTION RD, RT	1	-	-	-	-	-	-	-	-	-	-	TEMPORARY CULVERT PIPE
0010	105OH+50	OLD HWY 29, RT	1	-	-	-	-	-	-	-	-	-	-	24-INCH CMP
0010	717XCL+35	EXISTING COUNTY LINE RD	1	-	-	-	-	-	-	-	-	-	-	21-INCH CMP
0010	205RA+32	RAMP A, LT	-	-	-	-	-	-	-	1	-	10	-	18-INCH RCP
0010	485EB+49 - 485EB+71	STH 29, EB, LT	-	-	2	-	52	-	-	-	-	-	-	
0010	486WB+50	STH 29, WB, LT	1	-	-	-	-	-	-	-	-	-	-	24-INCH CMP
0010	487EB+89 - 489EB+00	STH 29, EB, LT	-	-	2	112	-	-	-	-	-	-	-	
0010	489WB+99	STH 29, WB, RT	-	-	-	-	-	-	-	-	-	36	-	24-INCH RCP
0010	525WB+45	STH 29, WB, LT	-	-	-	-	-	-	-	1	-	-	-	
0010	556EB+47 - 557EB+00	STH 29, EB, LT	-	-	1	-	70	-	-	1	-	-	-	
0010	558EB+88 - 562EB+92	STH 29, LT & RT	-	1	4	-	418	25	-	2	-	-	-	
0010	559WB+30	STH 29, WB, LT	1	-	-	-	-	-	-	-	-	-	-	18-INCH RCP
0010	562WB+95	STH 29, WB, LT	-	-	-	-	-	-	-	-	-	10	-	24-INCH RCP
0010	576EB+47 - 579EB+41	STH 29, EB, LT	-	1	-	-	294	-	12	-	-	-	-	
0010	578WB+95	STH 29, WB, LT	-	-	-	-	-	-	-	-	-	30	-	30-INCH RCP
		STAGE 6 SUBTOTALS	5	2	9	112	834	25	12	5	0	86	0	
		TOTAL 0010	29	2	9	112	834	25	12	6	8	86	1,930	

REMOVING ASPHALTIC SURFACE

CATEGORY	STATION TO STATION	LOCATION	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY
STAGE 5				
0010	63NB+70	MARLEY ST, NB & SB	-	12
0010	63SB+50 - 64SB+00	MARLEY ST, SB, LT	-	13
0010	64NB+25 - 65NB+25	MARLEY ST, MEDIAN	225	-
		STAGE 5 SUBTOTALS	225	25
		TOTAL 0010	225	25

REMOVING SIDEWALK

CATEGORY	STATION TO STATION	LOCATION	204.0155 REMOVING CONCRETE SIDEWALK SY
STAGE 5			
0010	559EB+24 - 559EB+39	STH 29, EB, RT	20
		STAGE 5 SUBTOTALS	20
STAGE 6			
0010	485EB+65 - 488EB+89	STH 29, EB, LT	1,791
0010	486WB+31 - 486WB+65	STH 29, WB, LT	103
0010	487EB+90 - 488EB+16	STH 29, EB, RT	86
0010	557EB+14 - 560EB+12	STH 29, EB, LT	655
0010	559WB+04 - 559WB+24	STH 29, WB, LT	70
		STAGE 6 SUBTOTALS	2,705
		TOTAL 0010	2,725

REMOVING GUARDRAIL

CATEGORY	STATION	TO	STATION	LOCATION	204.0165 REMOVING GUARDRAIL LF
STAGE 1					
0010	306RB+30	-	306RB+85	RAMP B, LT	55
				STAGE 1 SUBTOTALS	55
STAGE 5					
0010	525WB+26	-	527WB+94	STH 29, EB, LT	270
				STAGE 5 SUBTOTALS	270
				TOTAL 0010	325

REMOVING FENCE

CATEGORY	STATION	TO	STATION	LOCATION	204.0170 REMOVING FENCE LF	REMARKS
STAGE 1						
0010	619EGE+25	-	622EGE+15	EVERGREEN AVE, LT & RT	325	REMOVE FENCE WITHIN TLE
0010	701CT+43	-	702CT+11	CONNECTION RD	95	REMOVE FENCE WITHIN RIGHT OF WAY
				STAGE 1 SUBTOTALS	420	
STAGE 2						
0010	64SB+19	-	64SB+89	CTH VV, SB, LT	75	
				STAGE 2 SUBTOTALS	75	
				TOTAL 0010	495	

REMOVING DELINEATORS AND MARKERS

CATEGORY	STATION	TO	STATION	LOCATION	204.0180 REMOVING DELINEATORS AND MARKERS EACH
STAGE 5					
0010	516WB+04	-	528WB+64	STH 29, WB, LT	5
0010	524EB+19	-	529EB+46	STH 29, EB, RT	2
0010	554EB+10	-	566EB+61	STH 29, EB, RT	2
				STAGE 5 SUBTOTALS	9
STAGE 6					
0010	484EB+14	-	489EB+04	STH 29, EB, RT	2
0010	485WB+16	-	490WB+89	STH 29, WB, LT	2
0010	554WB+16	-	567WB+22	STH 29, WB, LT	2
				STAGE 6 SUBTOTALS	6
				TOTAL 0010	15

OBLITERATING OLD ROAD

CATEGORY	STATION	TO	STATION	LOCATION	214.0100 OBLITERATING OLD ROAD STA
STAGE 6					
0010	709XCL+90	-	717XCL+52	EXISTING CTH U	7.6
				TOTAL 0010	7.6

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EARTHWORK SUMMARY

STAGE	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION (3)	UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	SOIL MITIGATION SELECT BORROW (6)	REDUCED EBS IN FILL (9) FACTOR 0.70	208.1100 EXPANDED SELECT BORROW (10) FACTOR 1.15	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.25	MASS ORDINATE +/- (14)	WASTE	208.0100 BORROW	REMARKS
STAGE 1															
	38NB+00 - 44NB+50	CTH VV, NB	40	1,425	0	40	2,789	998	3,207	51,553	59,185	-59,145			
	40SB+85.21 - 44SB+33	CTH VV, SB	9	346	0	9	681	242	783	13,531	15,632	-15,623			
	20CB+00 - 23CB+64.42	CTH VV-RAMP AB RAB	0	1,511	0	0	3,010	1,058	3,462	41,658	46,424	-46,424			
	30CC+00 - 33CC+64.42	MARLEY-RAMP CD RAB	0	1,507	0	0	3,000	1,055	3,450	44,707	50,253	-50,253			
	90PEG+17 - 96PEG+73	EVERGREEN POND	14,732	0	0	14,732	0	0	0	3,159	3,949	10,783			
		BORROW REPLACEMENT FOR REMOVED TOPSOIL	0	0	0	0	0	0	0	5,000	6,250	-6,250			SEE SPECIAL PROVISIONS
		STAGE 1 SUBTOTALS	14,781	4,789	0	14,781	9,480	3,352	10,902	159,608	181,692	-166,911		166,911	
STAGE 2															
	47NB+25 - 65NB+25	MARLEY ST, NB	2,571	2,805	242	2,329	5,486	1,964	6,309	74,221	82,436	-80,107			
	47SB+82.84 - 61SB+68.57	MARLEY ST, SB	103	469	19	84	927	328	1,066	16,169	18,468	-18,384			
	40CD+00 - 43CD+64.41	MARLEY-EVERGREEN RAB	85	0	0	85	0	0	0	6,313	7,891	-7,806			
	597EGE+50 - 598EGE+38	FUTURE EVERGREEN AVE, EB	19	0	0	19	0	0	0	1,006	1,258	-1,239			
	597EGW+65.72 - 598EGW+42	FUTURE EVERGREEN AVE, WB	28	0	0	28	0	0	0	400	500	-472			
	600EGE+18 - 642EGE+50	EVERGREEN AVE, EB	18,518	0	0	18,518	0	0	0	6,914	8,643	9,876			
	600EGW+14 - 600EGW+89.89	EVERGREEN AVE, WB	16	0	0	16	0	0	0	306	383	-367			
	700CT+50 - 709CT+22	CONNECTION ROAD	4,852	0	459	4,393	0	0	0	565	706	3,687			
	70PVV+18 - 73PVV+23	CTH VV POND	10,393	0	48	10,345	0	0	0	1,641	2,051	8,294			
	798M+25 - 799M+35	MILLWOOD CT	237	0	31	206	0	0	0	12	15	191			
	80PTS+15 - 83PTS+45	CTH TS POND	4,686	0	0	4,686	0	0	0	1,163	1,454	3,232			
	100CE+18 - 119CE+76.2	CTH TS, EB	7,766	0	0	7,766	0	0	0	22,272	27,840	-20,074			
	100CW+14 - 100CW+91.64	CTH TS, WB	0	0	0	0	0	0	0	1,037	1,296	-1,296			
	734XMM+10 - 735XMM+86	EXISTING MILLTOWN RD	401	0	0	401	0	0	0	0	0	401			
	10MD+50 - 16MD+84	MARLEY DITCH	2,215	0	137	2,078	0	0	0	1,782	2,228	-150			
	718XMM+58 - 720XMM+90	EXISTING MARLEY ST	2,815	0	0	2,815	0	0	0	71	89	2,726			
	206RA+00 - 215RA+95	RAMP A	167	2,509	0	167	4,874	1,756	5,605	56,050	60,861	-60,694			
	300RB+50 - 310RB+00	RAMP B	214	2,517	48	166	4,893	1,762	5,627	59,383	64,993	-64,827			
	400RC+55 - 409RC+00	RAMP C	3,411	2,252	175	3,236	4,378	1,576	5,035	52,095	56,855	-53,619			
	514RD+50 - 525RD+30	RAMP D	152	2,917	0	152	5,680	2,042	6,532	71,746	78,965	-78,813			
	637EGE+40	CULVERT REPLACEMENT	125	0	0	125	0	0	0	0	0	125			
	UNDISTRIBUTED	EBS	0	5,000	0	0	0	3,500	0	0	0	0			
		STAGE 2 SUBTOTALS	58,774	18,469	1,159	57,615	26,238	12,928	30,174	373,146	416,930	-359,315	359,315		

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL

(4) UNUSABLE PAVEMENT MATERIAL

(5) AVAILABLE MATERIAL = CUT - UNUSUABLE PAVEMENT MATERIAL

(6) SOIL MITIGATION SELECT BORROW PER CONSTRUCTION DETAIL

(9) REDUCED EBS IN FILL - EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.70

(10) EXPANDED SELECT BORROW. EXPANSION FACTOR = 1.15. ITEM NUMBER 208.1100

(13) EXPANDED FILL FACTOR = 1.25 EXPANDED FILL = (UNEXPANDED FILL - EXPANDED SELECT BORROW - REDUCED EBS) * FILL FACTOR

(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE STAGE. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE STAGE. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE STAGE.

(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

3

EARTHWORK SUMMARY (CONTINUED)

STAGE	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION (3)	UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	SOIL MITIGATION SELECT BORROW (6)	REDUCED EBS IN FILL (9) FACTOR 0.70	208.1100 EXPANDED SELECT BORROW (10) FACTOR 1.15	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.25	MASS ORDINATE +/- (14)	WASTE	208.0100 BORROW	REMARKS
STAGE 3															
	44NB+50 - 45NB+03	CTH VV, NB	0	194	0	0	381	136	438	7,184	8,263	-8,263			
			0	194	0	0	381	136	438	7,184	8,263	-8,263		8,263	
STAGE 4															
	540EB+75 - 547EB+64	STH 29	729	0	336	393	0	0	0	5,244	6,555	-6,162			
	27NB+00 - 38NB+00	CTH VV, NB	764	1,110	544	220	2,183	777	2,510	18,344	18,821	-18,601			
	30SB+47.79 - 34SB+44.40	CTH VV, SB	10	159	124	-114	310	111	357	2,561	2,617	-2,731			
	768XT+40 - 771XT+08	EXISTING TRIANGLE DR	1,034	0	218	816	0	0	0	103	129	687			
	10CA+00 - 13CA+64.42	CTH VV-CTH TS RAB	14	0	139	-125	0	0	0	9,583	11,979	-12,104			
	752XO+58 - 754XO+05	EXISTING NORTH OVERLAND RD	355	0	0	355	0	0	0	36	45	310			
	UNDISTRIBUTED	EBS	0	1,000	0	0	0	0	0	0	0	0			
		STAGE 4 SUBTOTALS	2,906	2,269	1,361	1,545	2,493	888	2,867	35,871	40,145	-38,600		38,600	
STAGE 5															
	516EB+04 - 526EB+50	STH 29	2,623	0	282	2,341	0	0	0	1,110	1,388	954			
	201RA+89 - 206RA+00	RAMP A	939	0	42	897	0	0	0	623	779	118			
	310RB+00 - 315RB+14	RAMP B	1,087	0	138	949	0	0	0	662	828	122			
	509RD+61 - 514RD+50	RAMP D	1,454	0	49	1,405	0	0	0	449	561	844			
	786XT+00 - 789XT+00	EXISTING TRIANGLE DR	2,117	0	311	1,806	0	0	0	46	58	1,749			
	UNDISTRIBUTED	EBS	0	1,000	0	0	0	700	0	0	0	0			
		STAGE 5 SUBTOTALS	8,220	1,000	822	7,398	0	700	0	2,890	3,613	3,786	3,786		
STAGE 6															
	409RC+00 - 414RC+42	RAMP C	5,918	0	190	5,728	0	0	0	1,612	2,015	3,713			
	100OH+00 - 113OH+50	OLD HWY 29	3,180	0	712	2,468	0	0	0	4,039	5,049	-2,581			
	479EB+68 - 579EB+54	STH 29	15,350	0	3,220	12,130	0	0	0	669	836	11,294			
	705XCL+17 - 706XCL+51	EXISTING COUNTY LINE ROAD	1,029	0	0	1,029	0	0	0	0	0	1,029			
	716XOH+20 - 721XOH+41	EXISTING OLD HWY 29	3,063	0	321	2,742	0	0	0	2	3	2,740			
	UNDISTRIBUTED	EBS	0	1,058	0	0	0	741	0	0	0	0			
		STAGE 6 SUBTOTALS	28,540	1,058	4,443	24,097	0	741	0	6,322	7,903	16,195	16,195		
		TOTAL 0010	113,221	27,779	7,785	105,436	38,592	18,745	44,381	585,021	658,544		19,980	573,088	
		TOTAL COMMON EXC	141,000												

NOTES:

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(3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL

(4) UNUSABLE PAVEMENT MATERIAL

(5) AVAILABLE MATERIAL = CUT - UNUSUABLE PAVEMENT MATERIAL

(6) SOIL MITIGATION SELECT BORROW PER CONSTRUCTION DETAIL

(9) REDUCED EBS IN FILL - EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.70

(10) EXPANDED SELECT BORROW. EXPANSION FACTOR = 1.15. ITEM NUMBER 208.1100

(13) EXPANDED FILL FACTOR = 1.25 EXPANDED FILL = (UNEXPANDED FILL - EXPANDED SELECT BORROW - REDUCED EBS) * FILL FACTOR

(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE STAGE. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE STAGE. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE STAGE.

(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

BASE AGGREGATE DENSE AND WATER

CATEGORY	STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	305.0130 BASE AGGREGATE DENSE 3-INCH TON	624.0100 WATER MGAL
STAGE 1								
0010				UNDISTRIBUTED - DUST CONTROL	-	-	-	100
				STAGE 1 SUBTOTALS	0	0	0	100
STAGE 2								
0010	10TCR+45	-	12TCR+00	TEMPORARY CONNECTION RD	13	524	-	6
0010	58NB+25	-	59NB+44	MARLEY ST, NB	-	328	-	4
0010	58SB+25	-	59SB+20	MARLEY ST, SB	-	278	-	3
0010	58NB+25	-	59NB+44	MARLEY ST, NB, RT	-	24	-	1
0010	58SB+25	-	59SB+20	MARLEY ST, SB, LT	-	25	-	1
0010	59NB+23	-	59NB+44	MARLEY ST, MEDIAN	-	12	-	1
0010	40CD+00	-	43CD+64	MARLEY-EVERGREEN RAB	-	1,900	-	19
0010	61NB+13	-	66NB+00	MARLEY ST, NB	13	1,612	-	17
0010	60SB+87	-	65SB+25	MARLEY ST, SB	-	1,104	-	12
0010	61NB+13	-	64NB+25	MARLEY ST, NB, RT	-	54	-	1
0010	60SB+87	-	65SB+25	MARLEY ST, SB, LT	-	57	-	1
0010	61NB+13	-	63NB+60	MARLEY ST, MEDIAN	-	53	-	1
0010	63NB+95			MARLEY ST, RT	-	19	-	1
0010	64NB+50			MARLEY ST, RT	-	7	-	1
0010	798M+25	-	799M+68	MILLWOOD CT	25	464	-	5
0010	798M+85			MILLWOOD CT, RT	-	25	-	1
0010	597EGE+97	-	598EGE+43	EVERGREEN AVE, EB & WB	-	375	300	4
0010	597EGE+97	-	598EGE+43	EVERGREEN AVE, EB, RT	-	10	-	1
0010	597EGE+97	-	598EGE+43	EVERGREEN AVE, WB, LT	-	15	-	1
0010	597EGE+77	-	598EGE+44	EVERGREEN AVE, MEDIAN	-	20	-	1
0010	600EGE+12	-	623EGE+32	EVERGREEN AVE, EB	-	5,886	4,705	106
0010	600EGW+07	-	623EGW+41	EVERGREEN AVE, WB	-	5,876	4,705	106
0010	600EGE+12	-	623EGE+32	EVERGREEN AVE, EB, RT	-	309	-	4
0010	600EGW+07	-	623EGW+41	EVERGREEN AVE, WB, LT	-	308	-	4
0010	600EGE+12	-	600EGE+37	EVERGREEN AVE, MEDIAN	-	15	-	1
0010	623EGE+32	-	634EGE+74	EVERGREEN AVE, EB	-	3,138	2,510	57
0010	623EGW+41	-	634EGW+75	EVERGREEN AVE, WB	-	3,208	2,565	58
0010	623EGE+32	-	634EGE+74	EVERGREEN AVE, EB, RT	-	162	-	2
0010	623EGW+41	-	634EGW+75	EVERGREEN AVE, WB, LT	-	153	-	2
0010	634EGE+74	-	642EGE+50	EVERGREEN AVE, EB & WB	225	4,262	3,415	79
0010	637EGE+15			EVERGREEN AVE, RT	-	98	-	1
0010	637EGE+65			EVERGREEN AVE, RT	19	0	-	1
0010	638EGE+25			EVERGREEN AVE, RT	-	73	-	1
0010	640EGE+15			EVERGREEN AVE, RT	-	70	-	1
0010	700CT+15	-	709CT+08	CONNECTION RD	-	3,385	-	34
0010	706CT+50			CONNECTION RD, LT	-	152	-	2
0010	708CT+25			CONNECTION RD, LT	-	127	-	2
0010	709CT+00			CONNECTION RD, LT	-	85	-	1
0010	709CT+25			CONNECTION RD	-	87	-	1
0010				UNDISTRIBUTED - DUST CONTROL	-	0	-	100
				STAGE 2 SUBTOTALS	295	34,300	18,200	645

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

BASE AGGREGATE DENSE AND WATER (CONTINUED)

CATEGORY	STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	305.0130 BASE AGGREGATE DENSE 3-INCH TON	624.0100 WATER MGAL
STAGE 4								
0010	27NB+00	-	31NB+58	CTH VV, NB	14	1,302	-	14
0010	27SB+00	-	31SB+58	CTH VV, SB	23	1,269	-	13
0010	30NB+64	-	31NB+58	CTH VV, NB, RT	-	15	-	1
0010	30SB+79	-	31SB+58	CTH VV, SB, LT	-	27	-	1
0010	29NB+65	-	31NB+58	CTH VV, MEDIAN	-	30	-	1
0010	28NB+25			CTH VV, NB, RT	16	6	-	1
0010	28SB+90			CTH VV, SB, LT	14	6	-	1
0010	29NB+20			CTH VV, NB, RT	-	12	-	1
0010	29SB+25			CTH VV, SB, LT	10	4	-	1
0010	10CA+00	-	13CA+64	CTH VV-CTH TS RAB	-	1,789	-	18
0010	11CA+75			CTH VV-CTH TSRAB, RT	20	21	-	1
0010	33NB+26	-	41NB+29	CTH VV, NB	-	2,330	-	24
0010	33NB+26	-	41SB+25	CTH VV, SB	-	2,276	-	23
0010	33NB+26	-	41NB+81	CTH VV, NB, RT	-	139	-	2
0010	33NB+26	-	41NB+68	CTH VV, SB, LT	-	139	-	2
0010	33NB+26	-	41NB+81	CTH VV, MEDIAN	-	143	-	2
0010	41NB+29	-	41NB+81	CTH VV, NB	-	48	-	1
0010	41NB+25	-	41SB+68	CTH VV, SB	-	42	-	1
0010	20CB+00	-	23CB+64	CTH VV-RAMP AB RAB	-	769	-	8
0010	43NB+50	-	45NB+05	CTH VV, NB	-	135	-	2
0010	43SB+37	-	44SB+88	CTH VV, SB	-	135	-	2
0010	43NB+50	-	45NB+05	MARLEY ST, NB, RT	-	25	-	1
0010	43SB+37	-	44SB+88	MARLEY ST, SB, LT	-	28	-	1
0010	43NB+50	-	45NB+05	MARLEY ST, MEDIAN	-	26	-	1
0010	47NB+23	-	48NB+72	MARLEY ST, NB	-	133	-	2
0010	47SB+06	-	48SB+59	MARLEY ST, SB	-	133	-	2
0010	47NB+23	-	48NB+72	MARLEY ST, NB, RT	-	25	-	1
0010	47SB+06	-	48SB+59	MARLEY ST, SB, LT	-	27	-	1
0010	47NB+23	-	48NB+72	MARLEY ST, MEDIAN	-	25	-	1
0010	30CC+00	-	33CC+64	CTH VV-RAMP CD RAB	-	773	-	8
0010	50NB+41	-	50NB+86	CTH VV, NB	-	42	-	1
0010	50SB+26	-	50SB+84	CTH VV, SB	-	53	-	1
0010	50NB+41	-	58NB+25	MARLEY ST, NB, RT	-	115	-	2
0010	50SB+26	-	58SB+25	MARLEY ST, SB, LT	-	110	-	2
0010	50NB+41	-	50NB+66	MARLEY ST, MEDIAN	-	14	-	1
0010	50NB+86	-	58NB+25	MARLEY ST, NB	-	2,153	-	22
0010	50NSB+84	-	58SB+25	MARLEY ST, SB	-	2,144	-	22
0010	100CE+12	-	119CE+76	CTH TS, EB	-	4,869	-	49
0010	100CW+07	-	119CW+76	CTH TS, WB	-	4,705	-	48
0010	100CE+12	-	119CE+76	CTH TS, EB, RT	-	280	-	3
0010	100CW+07	-	119CW+76	CTH TS, WB, LT	-	260	-	3
0010	100CE+12	-	100CE+36	CTH TS, MEDIAN	-	10	-	1
0010	206RA+50	-	216RA+47	RAMP A	142	1,925	-	20
0010	216RA+25	-	216RA+47	RAMP A, LT & RT	-	30	-	1
0010	300RB+10	-	310RB+00	RAMP B	151	1,965	-	21

BASE AGGREGATE DENSE AND WATER (CONTINUED)

CATEGORY	STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	305.0130 BASE AGGREGATE DENSE 3-INCH TON	624.0100 WATER MGAL
STAGE 4 (CONTINUED)								
0010	300RB+10	-	300RB+50	RAMP B, LT & RT	-	40	-	1
0010	400RC+09	-	409RC+00	RAMP C	125	1,715	-	19
0010	400RC+09	-	400RC+50	RAMP C, LT & RT	-	35	-	1
0010	514RD+50	-	525RD+71	RAMP D	171	2,228	-	24
0010	525RD+25	-	525RD+72	RAMP D, LT & RT	-	37	-	1
0010	540EB+75	-	544EB+05	STH 29, EB, LT	44	75		
0010	541EB+20	-	543EB+75	STH 29, EB, RT	26	30	-	1
0010	540WB+75	-	547WB+65	STH 29, WB, RT	92	64	-	2
0010	541WB+34	-	542WB+50	STH 29, WB, LT	12	19	-	1
0010				UNDISTRIBUTED - DUST CONTROL	-	-	-	400
				STAGE 4 SUBTOTALS	860	34,750	0	785
STAGE 5								
0010	524EB+19	-	206RA+50	RAMP A	107	1,270	-	13
0010	310RB+00	-	566EB+61	RAMP B	213	2,287	-	25
0010	516WB+04	-	514RD+50	RAMP D	209	2,225	-	25
0010	772XT+75			EXISTING TRIANGLE DR, LT	26	9	-	1
0010	785XT+50			EXISTING TRIANGLE DR, RT	25	9	-	1
0010				UNDISTRIBUTED - RAMP TIE INS	-	1,500	-	-
0010				UNDISTRIBUTED - DUST CONTROL	-	-	-	200
				STAGE 5 SUBTOTALS	580	7,300	0	265
STAGE 6								
0010	409RC+00	-	558WB+93	RAMP C	119	1,390	-	15
0010	479EB+68	-	489EB+14	STH 29, EB, LT	135	230	-	3
0010	479EB+68	-	489EB+14	STH 29, EB, RT	104	420	-	5
0010	484WB+67	-	492WB+38	STH 29, WB, LT	80	390	-	4
0010	484WB+67	-	494WB+86	STH 29, WB, RT	136	230	-	4
0010	552EB+30	-	563EB+05	STH 29, EB, LT	143	245	-	4
0010	556WB+00	-	566WB+11	STH 29, WB, RT	135	95	-	3
0010	558WB+93	-	567WB+22	STH 29, WB, LT	137	740	-	9
0010	572EB+69	-	579EB+55	STH 29, EB, LT	92	0	-	1
0010	576WB+49	-	579WB+55	STH 29, WB, LT	42	0	-	1
0010	576WB+49	-	579WB+55	STH 29, WB, RT	33	0	-	1
0010	100OH+00	-	113OH+50	OLD HWY 29	392	4,705	-	51
0010	101OH+00			OLD HWY 29, RT	-	25	-	1
0010	102OH+10			OLD HWY 29, LT	-	20	-	1
0010	103OH+00			OLD HWY 29, RT	-	60	-	1
0010				CTH U AT GLENDALE AVE	27	-	-	1
0010				UNDISTRIBUTED - RAMP TIE INS	-	500	-	-
0010				UNDISTRIBUTED - DUST CONTROL	-	-	-	200
				STAGE 6 SUBTOTALS	1,575	9,050	0	305
				TOTAL 0010	3,310	85,400	18,200	2,100

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

SELECT CRUSHED MATERIAL AND GEOTEXTILE TYPE SAS

CATEGORY	STATION	TO	STATION	LOCATION	312.0110 SELECT CRUSHED MATERIAL TON	645.0140 GEOTEXTILE TYPE SAS SY
STAGE 1						
0010	38NB+00	-	44NB+50	CTH VV, NB	5,390	4,280
0010	40SB+85	-	44SB+33	CTH VV, SB	1,310	1,040
0010	20CB+00	-	23CB+64	CTH VV-RAMP AB RAB	5,720	4,540
0010	30CC+00	-	33CC+64	MARLEY-RAMP CD RAB	5,700	4,530
0010	47NB+25	-	54NB+00	MARLEY ST, NB	5,920	4,700
0010	47SB+83	-	51SB+28	MARLEY ST, SB	1,330	1,050
0010	206RA+00	-	215RA+95	RAMP A	9,490	7,530
0010	300RB+50	-	310RB+00	RAMP B	9,520	7,550
0010	400RC+55	-	402RC+00	RAMP C	1,650	1,310
0010	514RD+50	-	525RD+30	RAMP D	11,020	8,750
				STAGE 1 SUBTOTALS	57,050	45,280
STAGE 2						
0010	54NB+00	-	65NB+25	MARLEY ST, NB	4,740	3,760
0010	58SB+23	-	61SB+69	MARLEY ST, SB	450	360
0010	402RC+00	-	409RC+00	RAMP C	6,870	5,450
0010	UNDISTRIBUTED			EBS	9,000	7,500
				STAGE 2 SUBTOTALS	21,060	17,070
STAGE 3						
0010	44NB+50		45NB+03	CTH VV, NB	730	580
					730	580
STAGE 4						
0010	27NB+00	-	38NB+00	CTH VV, NB	4,220	3,350
0010	30SB+48	-	34SB+44	CTH VV, SB	610	480
0010	110CE+00	-	119CE+75	CTH TS, EB	3,550	2,820
0010	110CW+00	-	119CW+75	CTH TS, WB	3,550	2,820
0010	UNDISTRIBUTED			EBS	1,800	1,500
				STAGE 4 SUBTOTALS	13,730	10,970
STAGE 5						
0010	202RA+00	-	206RA+00	RAMP A	2,540	2,020
0010	310RB+00	-	315RB+15	RAMP B	4,570	3,630
0010	509RD+60	-	514RD+50	RAMP D	4,510	3,580
0010	UNDISTRIBUTED			EBS	1,800	1,500
				STAGE 5 SUBTOTALS	13,420	10,730
STAGE 6						
0010	409RC+00	-	414RC+48	RAMP C	2,870	2,280
0010	UNDISTRIBUTED			EBS	1,800	1,500
				STAGE 6 SUBTOTALS	4,670	3,780
				TOTAL 0010	110,660	88,410

3

CONCRETE PAVEMENT

CATEGORY	STATION	TO	STATION	LOCATION	405.0100 COLORING CONCRETE WISDOT RED CY	415.0090 CONCRETE PAVEMENT 9-INCH SY	415.0410 CONCRETE PAVEMENT APPROACH SLAB SY	415.4100 CONCRETE PAVEMENT JOINT FILLING SY	415.5110.S CONCRETE PAVEMENT JOINT LAYOUT LS	416.0512 CONCRETE TRUCK APRON 12-INCH SY	416.0610 DRILLED TIE BARS EACH	SPV.0180.02 SHES CONCRETE BASE 9-INCH SY
STAGE 2												
0010	40CD+00	-	43CD+64	MARLEY-EVERGREEN RAB	137	-	-	-	-	415	-	-
0010	60SB+79	-	61SB+65	MARLEY ST, SB, LT	18	-	-	-	-	55	-	-
				STAGE 2 SUBTOTALS	155	0	0	0	0	470	0	0
STAGE 4												
0010	10CA+00	-	13CA+64	CTH VV-CTH TS RAB	127	-	-	-	-	380	-	-
0010	41NB+29	-	41NB+81	CTH VV, NB	-	95	-	130	-	-	-	-
0010	41SB+24	-	41SB+68	CTH VV, SB	-	90	-	115	-	-	-	-
0010	20CB+00	-	23CB+64	CTH VV-RAMP AB RAB	137	1,290	-	1,370	-	415	-	-
0010	206RA+50	-	216RA+48	RAMP A	17	1,695	-	310	-	60	-	-
0010	300RB+10	-	310RB+00	RAMP B	-	1,670	-	140	-	-	-	-
0010	43NB+50	-	45NB+05	CTH VV, NB	-	205	20	360	-	-	-	-
0010	43SB+37	-	44SB+88	CTH VV, SB	-	210	20	360	-	-	-	-
0010	47NB+23	-	48NB+72	MARLEY ST, NB	-	205	20	355	-	-	-	-
0010	47SB+06	-	48SB+59	MARLEY ST, SB	-	200	20	350	-	-	-	-
0010	30CC+00	-	33CC+64	MARLEY-RAMP CD RAB	142	1,290	-	1,370	-	425	-	-
0010	400RC+09	-	409RC+00	RAMP C	18	1,525	-	320	-	60	-	-
0010	514RD+50	-	525RD+72	RAMP D	-	1,890	-	165	-	-	-	-
0010	50NB+41	-	50NB86	MARLEY ST, NB	-	85	-	110	-	-	-	-
0010	50SB+26	-	50SB+84	MARLEY ST, SB	34	110	-	135	-	105	-	-
0010				PROJECT	-	-	-	-	1	-	-	-
				STAGE 4 SUBTOTALS	475	10,560	80	5,590	1	1,445	0	0
STAGE 5												
0010	202RA+00	-	206RA+50	RAMP A	-	-	-	-	-	-	75	930
0010	310RB+00	-	315RB+15	RAMP B	-	-	-	-	-	-	320	2,000
0010	509RD+60	-	514RD+50	RAMP D	-	-	-	-	-	-	-	1,955
				STAGE 5 SUBTOTALS	0	0	0	0	0	0	395	4,885
STAGE 6												
0010	409RC+00	-	414RC+48	RAMP C	-	-	-	-	-	-	-	1,075
				STAGE 6 SUBTOTALS	0	0	0	0	0	0	0	1,075
				TOTAL 0010	630	10,560	80	5,590	1	1,915	395	5,960

HMA PAVEMENT

CATEGORY	STATION	TO	STATION	LOCATION	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.5223 HMA PAVEMENT 3 LT 58-28 S TON	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6424 HMA PAVEMENT 4 MT 58-28 H TON
STAGE 2										
0010	58NB+25	-	59NB+44	MARLEY ST, NB	-	31	-	-	57	22
0010	58SB+25	-	59SB+20	MARLEY ST, SB	-	26	-	-	47	18
0010	40CD+00	-	43CD+64	MARLEY-EVERGREEN RAB	-	198	-	-	385	142
0010	61NB+13	-	65NB+25	MARLEY ST, NB	-	78	-	-	287	64
0010	60SB+87	-	65SB+25	MARLEY ST, SB	-	60	-	-	220	47
0010	65NB+25		66NB+00	MARLEY ST, NB	-	17	-	-	29	22
0010	798M+25	-	799M+68	MILLWOOD CT	-	33	-	-	59	46
0010	597EGE+65	-	598EB+43	EVERGREEN AVE, EB & WB	-	23	-	-	54	36
0010	600EGE+12	-	623EGE+32	EVERGREEN AVE, EB	-	337	-	-	828	552
0010	600EGW+07	-	623EGW+41	EVERGREEN AVE, WB	-	333	-	-	821	547
0010	623EGE+32	-	634EGE+74	EVERGREEN AVE, EB	758	184	-	-	455	304
0010	623EGW+41	-	634EGW+75	EVERGREEN AVE, WB	789	192	-	-	474	316
0010	634EGE+74	-	642EGE+50	EVERGREEN AVE, EB & WB	993	242	-	-	596	398
0010	700CT+15	-	709CT+08	CONNECTION RD	-	262	-	-	483	376
0010	10TCR+45	-	12TCR+00	TEMPORARY CONNECTION RD	-	59	110	85	-	-
				STAGE 2 SUBTOTALS	2,540	2,075	110	85	4,795	2,890
STAGE 4										
0010	27NB+00	-	31NB+58	CTH VV, NB	-	67	-	-	193	124
0010	27SB+00	-	31SB+58	CTH VV, SB	-	64	-	-	184	118
0010	10CA+00	-	13CA+64	CTH VV-CTH TS RAB	-	91	-	-	261	187
0010	33NB+26	-	41NB+29	CTH VV, NB	-	108	-	-	312	200
0010	33NB+26	-	41NB+25	CTH VV, SB	-	104	-	-	299	192
0010	50NB+86	-	58NB+25	MARLEY ST, NB	-	199	-	-	368	144
0010	50SB+84	-	58SB+25	MARLEY ST, SB	-	195	-	-	361	140
0010	100CE+12	-	119CE+76	CTH TS, EB	-	268	-	-	660	440
0010	100CW+07	-	119CW+76	CTH TS, WB	-	259	-	-	637	425
0010	206RA+50	-	215RA+19	RAMP A, LT & RT	-	54	100	78	-	-
0010	300RB+78	-	310RB+00	RAMP B, LT & RT	-	57	106	82	-	-
0010	401RC+36	-	409RC+00	RAMP C, LT & RT	-	48	88	68	-	-
0010	514RD+50	-	525RD+00	RAMP D, LT & RT	-	65	121	94	-	-
0010	541EB+20	-	543EB+75	STH 29, EB, RT	-	12	27	22	-	-
0010	540EB+75	-	544EB+05	STH 29, EB, LT	-	8	17	14	-	-
0010	540WB+75	-	547WB+65	STH 29, WB, RT	-	17	38	32	-	-
0010	541WB+34	-	542WB+50	STH 29, WB, LT	-	9	18	15	-	-
				STAGE 4 SUBTOTALS	0	1,625	515	405	3,275	1,970

HMA PAVEMENT (CONTINUED)

CATEGORY	STATION	TO	STATION	LOCATION	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.5223 HMA PAVEMENT 3 LT 58-28 S TON	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6424 HMA PAVEMENT 4 MT 58-28 H TON
STAGE 5										
0010	63NB+65	-	65NB+25	MARLEY ST, NB	-	27	-	-	-	39
0010	63SB+35	-	65SB+25	MARLEY ST, SB	-	23	-	-	-	32
0010	524EB+19	-	206RA+50	RAMP A	-	65	-	-	-	107
0010	524EB+19	-	529EB+45	RAMP A, LT & RT	-	49	110	90	-	-
0010	204RA+76	-	206RA+50	RAMP A, LT & RT	-	11	20	15	-	-
0010	310RB+00	-	566EB+61	RAMP B	-	140	-	-	-	230
0010	310RB+00	-	312RB+25	RAMP B, LT & RT	-	14	26	20	-	-
0010	554EB+10	-	566EB+61	RAMP B, LT & RT	-	72	162	132	-	-
0010	516WB+04	-	514RD+50	RAMP D	-	138	-	-	310	252
0010	516WB+04	-	528WB+63	RAMP D, LT & RT	-	73	164	134	-	-
0010	512RD+59	-	514RD+50	RAMP D, LT & RT	-	13	23	19	-	-
				STAGE 5 SUBTOTALS	0	625	505	410	310	660
STAGE 6										
0010	409RC+00	-	558WB+93	RAMP C	-	75	-	-	170	140
0010	409RC+00	-	411RC+59	RAMP C, LT & RT	-	16	30	23	-	-
0010	554WB+16	-	567WB+22	RAMP C, LT & RT	-	97	220	180	-	-
0010	479EB+68	-	489EB+14	STH 29, EB, LT	-	24	54	44	-	-
0010	479EB+68	-	489EB+14	STH 29, EB, RT	-	49	110	90	-	-
0010	484WB+67	-	492WB+38	STH 29, WB, LT	-	36	82	67	-	-
0010	484WB+67	-	494WB+86	STH 29, WB, RT	-	24	54	44	-	-
0010	552EB+30	-	563EB+05	STH 29, EB, LT	-	25	57	46	-	-
0010	556WB+00	-	566WB+11	STH 29, WB, RT	-	23	52	43	-	-
0010	558WB+93	-	567WB+22	STH 29, WB, LT	-	51	95	95	-	-
0010	100OH+00	-	113OH+50	OLD HWY 29	-	315	776	518	-	-
				STAGE 6 SUBTOTALS	0	735	1,530	1,150	170	140
				TOTAL 0010	2,540	5,060	2,660	2,050	8,550	5,660

ASPHALTIC SHOULDER RUMBLE STRIPS

CATEGORY	STATION	TO	STATION	LOCATION	465.0400 ASPHALTIC SHOULDER RUMBLE STRIPS LF
STAGE 4					
0010	541EB+20	-	544EB+05	STH 29, EB, LT	285
0010	541EB+20	-	543EB+75	STH 29, EB, RT	255
0010	541WB+34		542WB+50	STH 29, WB, LT	120
0010	541WB+34	-	547WB+65	STH 29, WB, RT	635
				STAGE 4 SUBTOTAL	1,295
STAGE 5					
0010	516WB+04	-	525WB+63	STH 29, WB, LT	960
0010	557EB+04	-	566EB+61	STH 29, EB, RT	960
				STAGE 5 SUBTOTAL	1,920
STAGE 6					
0010	479EB+68	-	489EB+13	STH 29, EB, LT	945
0010	481EB+35	-	489EB+85	STH 29, EB, RT	850
0010	485WB+16	-	490WB+88	STH 29, WB, LT	575
0010	484WB+67	-	494WB+40	STH 29, WB, RT	975
0010	552EB+30	-	563EB+04	STH 29, EB, LT	1,075
0010	556WB+00	-	566WB+11	STH 29, WB, RT	1,010
0010	559WB+93	-	567WB+22	STH 29, WB, LT	730
0010	572EB+69	-	578EB+72	STH 29, EB, LT	605
0010	576WB+50	-	579WB+54	STH 29, WB, LT	305
0010	576WB+50	-	579WB+05	STH 29, WB, RT	255
				STAGE 6 SUBTOTAL	7,325
				TOTAL 0010	10,540

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ASPHALTIC SURFACE AND DRIVEWAYS

CATEGORY	STATION	TO	STATION	LOCATION	465.0105 ASPHALTIC SURFACE TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON
STAGE 2							
0010	10TCR+45	-	12TCR+00	TEMPORARY CONNECTION RD	-	-	200
0010	63NB+95			MARLEY ST, NB, RT	-	6	-
0010	64NB+50			MARLEY ST, NB, RT	-	3	-
0010	798M+85			MILLWOOD CT, RT	-	13	-
0010	634EGE+55	-	635EGE+47	EVERGREEN AVE, RT & LT	15	-	-
0010	637EGE+15			EVERGREEN AVE, RT	-	33	-
0010	637EGE+65			EVERGREEN AVE, RT	-	4	-
0010	638EGE+25			EVERGREEN AVE, RT	-	25	-
0010	640EGE+15			EVERGREEN AVE, RT	-	24	-
0010	706CT+50			CONNECTION RD, LT	-	52	-
0010	708CT+25			CONNECTION RD, LT	-	45	-
0010	709CT+00			CONNECTION RD, LT		30	
0010	709CT+025			CONNECTION RD	-	30	-
				STAGE 2 SUBTOTALS	15	265	200
STAGE 4							
0010	28NB+25			CTH VV, NB, RT	-	3	-
0010	28SB+90			CTH VV, SB, LT	-	3	-
0010	29NB+20			CTH VV, NB, RT	-	6	-
0010	29SB+25			CTH VV, SB, LT	-	2	-
0010	11CA+75			CTH VV-CTH TS RAB, RT	-	2	-
				STAGE 4 SUBTOTALS	0	16	0
STAGE 4							
0010					-	5	-
				STAGE 5 SUBTOTALS	0	5	0
STAGE 6							
0010	101OH+00			OLD HWY 29, RT	-	11	-
0010	102OH+10			OLD HWY 29, LT	-	8	-
0010	103OH+00			OLD HWY 29, RT	-	40	-
				STAGE 6 SUBTOTALS	0	59	0
				TOTAL 0010	15	345	200

ASPHALTIC FLUMES

CATEGORY	STATION	LOCATION	465.0315 ASPHALTIC FLUMES SY
STAGE 2			
0010	799M+30	MILLWOOD CT, LT	6
0010	799M+30	MILLWOOD CT, RT	6
		STAGE 2 SUBTOTAL	12
STAGE 4			
0010	215RA+05	RAMP A, RT	6
0010	215RA+05	RAMP A, LT	6
0010	300RB+75	RAMP B, RT	6
0010	300RB+75	RAMP B, LT	6
0010	525RD+00	RAMP C, RT	6
0010	525RD+00	RAMP C, LT	6
0010	401RC+51	RAMP D, RT	6
0010	401RC+51	RAMP D, LT	6
		STAGE 4 SUBTOTAL	48
		TOTAL 0010	60

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TEMPORARY CULVERT PIPE

CATEGORY	STATION	LOCATION	520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	520.2024 CULVERT PIPE TEMPORARY 24-INCH LF	* 650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	STATION / OFFSET INLET	STATION / OFFSET OUTLET	ELEVATION INLET	ELEVATION OUTLET
STAGE 2									
0010	704CT+50	CONNECTION RD, RT	2	88	1	704CT+72, 40.6' RT	704CT+32, 109.6' RT	755.53	755.04
		TOTAL 0010	2	88	1				

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

CULVERT PIPE STEEL AND APRON ENDWALLS

			APRON ENDWALLS FOR CULVERT PIPE STEEL										*				
			521.1018	521.1024	521.1030	521.1217	521.1221	521.3118	521.3124	521.3130	521.3717	521.3721	650.6000 CONSTRUCTION STAKING PIPE				
CATEGORY	STATION	LOCATION	18-INCH EACH	24-INCH EACH	30-INCH EACH	PIPE ARCH 17X13-INCH EACH	PIPE ARCH 21X15-INCH EACH	18-INCH LF	24-INCH LF	30-INCH LF	PIPE ARCH 17X13-INCH LF	PIPE ARCH 21X15-INCH LF	CULVERTS EACH	STEEL THICKNESS INCHES	STATION/OFFSET INLET	STATION/OFFSET OUTLET	ELEVATION INLET	ELEVATION OUTLET
STAGE 1																		
0010	704CT+87	CONNECTION RD	-	2	-	-	-	-	56	-	-	-	-	0.064	704CT+87, 27.8' LT	704CT+87, 27.2' RT	753.71	753.61
		STAGE 1 SUBTOTALS	0	2	0	0	0	0	56	0	0	0	0					
STAGE 2																		
0010	702CT+50	CONNECTION RT, RT	-	-	-	-	2	-	-	-	-	36	-	0.064	702CT+32, 24.7' RT	702CT+68, 25.4' RT	755.63	755.56
0010	706CT+60	CONNECTION RD, LT	2	-	-	-	-	76	-	-	-	-	-	0.064	706CT+98, 32.4' LT	706CT+19, 34.2' RT	754.75	754.54
0010	708CT+15	CONNECTION RD, LT	2	-	-	-	-	62	-	-	-	-	-	0.064	708CT+43, 67.5' LT	707CT+89, 43.1' LT	754.90	754.88
0010	709CT+30	CONNECTION RD	-	2	-	-	-	-	46	-	-	-	-	0.064	709CT+35, 26.1' LT	709CT+24, 17.9' RT	755.20	754.84
0010	798M+85	MILLWOOD CT, RT	-	-	-	2	-	-	-	-	34	-	-	0.064	799M+03, 26.4' RT	798M+69, 26.1' RT	758.29	758.22
0010	637EGE+17	EVERGREEN AVE, RT	-	2	-	-	-	-	46	-	-	-	-	0.064	636EGE+94, 37.2' RT	637EGE+38, 38.5' RT	749.92	749.48
0010	637EGE+40	EVERGREEN AVE	-	-	2	-	-	-	-	76	-	-	1	0.079	637EGE+47, 29.9' RT	637EGE+31, 44.5' LT	749.30	748.54
0010	637EGE+71	EVERGREEN AVE, RT	-	2	-	-	-	-	26	-	-	-	-	0.064	637EGE+82, 37.9' RT	637EGE+57, 38.8' RT	749.61	749.42
		STAGE 2 SUBTOTALS	4	6	2	2	2	138	118	76	34	36	1					
STAGE 4																		
0010	28NB+26	CTH VV, RT	-	-	-	-	2	-	-	-	-	26	-	0.064	28NB+40, 31.8' RT	28NB+15, 31.9' RT	757.27	757.11
		STAGE 4 SUBTOTALS	0	0	0	0	2	0	0	0	0	26	0					
STAGE 5																		
0010	772XT+75	EXISTING TRIANGLE DR, LT	2	-	-	-	-	34	-	-	-	-	-	0.064	772XT+94, 25.9' LT	772XT+57, 25.8' LT	754.80	754.78
0010	785XT+50	EXISTING TRIANGLE DR, RT	2	-	-	-	-	34	-	-	-	-	-	0.064	785XT+29, 30.6' RT	785XT+64, 32.2' RT	756.01	755.95
		STAGE 5 SUBTOTALS	4	0	0	0	0	68	0	0	0	0	0					
		TOTAL 0010	8	8	2	2	4	206	174	76	34	62	1					

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

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CULVERT PIPE REINFORCED CONCRETE AND APRON ENDWALLS

				CULVERT PIPE REINFORCED CONCRETE							APRON ENDWALLS FOR CULVERT PIPE										
			* 520.8000	522.0118	522.0124	522.0130	522.0148	522.0430	522.0436	522.2338	521.0348	* 522.1018	* 522.1024	* 522.1030	* 522.1036	522.2638	* 633.5200	* 650.6000				
			CONCRETE COLLARS FOR PIPE	CLASS III 18-INCH	CLASS III 24-INCH	CLASS III 30-INCH	CLASS III 48-INCH	CLASS IV 30-INCH	CLASS IV 36-INCH	HORIZONTAL ELLIPTICAL CLASS HE-III 38X60-INCH	SLOPED CROSS DRAINS STEEL 48-INCH 4 TO 1	REINFORCED CONCRETE 18-INCH	REINFORCED CONCRETE 24-INCH	REINFORCED CONCRETE 30-INCH	REINFORCED CONCRETE 36-INCH	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 38X60-INCH	MARKERS CULVERT END	CONSTRUCTION STAKING PIPE CULVERTS	STATION/OFFSET		ELEVATION	
CATEGORY	STATION	LOCATION	EACH	LF	LF	LF	LF	LF	LF	LF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	INLET	OUTLET	INLET	OUTLET
STAGE 2																						
0010	107CE+62	CTH TS, EB	-	-	-	-	-	-	-	152	-	-	-	-	-	2	-	1	107CE+23, 80.8' LT	107CE+86, 57.8' RT	749.60	748.77
0010	302RB+10	RAMP B	-	-	-	-	-	-	184	-	-	-	-	-	2	-	2	1	302RB+33, 79.5' LT	301RB+87, 99.2' RT	755.49	755.31
0010	519RD+86	RAMP D	-	-	-	-	-	164	-	-	-	-	-	2	-	-	2	1	519RD+49, 74.5' LT	518RD+44, 50.2' RT	755.64	755.38
		STAGE 2 SUBTOTALS	0	0	0	0	0	164	184	152	0	0	0	2	2	2	4	3				
STAGE 4																						
0010	36NB+41	CTH VV, NB	-	-	-	142	-	-	-	-	-	-	-	2	-	-	-	1	36NB+42, 75.9' LT	36NB+40, 64.8' RT	755.57	755.17
		STAGE 4 SUBTOTALS	0	0	0	142	0	0	0	0	0	0	0	2	0	0	0	1				
STAGE 6																						
0010	205RA+32	RAMP A	1	52	-	-	-	-	-	-	-	1	-	-	-	-	1	1	205RA+31, 2.0' LT	205RA+34, 38.7' RT	755.95	755.46
0010	489WB+99	STH 29, WB, RT	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1		11.8' RT		763.23
0010	525WB+45	STH 29, WB, LT	1	-	-	-	22	-	-	-	1	-	-	-	-	-	1	1	525WB+48, 58.6' LT	525WB+40, 38.7' LT	753.81	753.78
0010	556EB+99	STH 29, EB, LT & RT	2	12	-	-	-	-	-	-	-	2	-	-	-	-	2	1	19.5' LT	61.9' RT	756.51	755.97
0010	562EB+92	STH 29, EB, RT	1	-	6	-	-	-	-	-	-	-	1	-	-	-	1	1	58.3' RT		754.67	
0010	562WB+93	STH 29, WB, LT	1	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1		55.5' LT		754.08
0010	578WB+94	STH 29, WB, LT	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1		47.3' LT		751.12
		STAGE 6 SUBTOTALS	8	64	6	0	22	0	0	0	1	3	2	0	0	0	8	7				
		TOTAL 0010	8	64	6	142	22	164	184	152	1	3	2	4	2	2	12	11				

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

STORM SEWER APRON ENDWALLS

					APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE								
					522.1012	* 522.1018	522.1021	* 522.1024	* 522.1036	522.1048	* 633.5200	611.9800.S	* 650.4000
CATEGORY	STRUCTURE	STATION	OFFSET	LOCATION	12-INCH EACH	18-INCH EACH	21-INCH EACH	24-INCH EACH	36-INCH EACH	48-INCH EACH	MARKERS CULVERT END EACH	PIPE GRATES EACH	CONSTRUCTION STAKING STORM SEWER EACH
STAGE 1													
0010	19C	600EGW+33	58' LT	EVERGREEN AVE, WB	-	-	-	1	-	-	-	-	1
0010	35A	604EGE+35	36.3' RT	EVERGREEN AVE, EB	1	-	-	-	-	-	-	-	1
0010	42A	618EGE+01	38.6' RT	EVERGREEN AVE, EB	-	-	1	-	-	-	-	-	1
0010	53	635EGW+29	86' LT	EVERGREEN AVE, WB	-	-	-	-	-	1	-	1	1
0010	55	704CT+07	87.8' RT	CONNECTION RD	-	-	-	-	1	-	-	1	1
0010	60	208RA+74	53.9' RT	RAMP A	-	-	-	-	1	-	1	-	1
0010	62	209RA+14	56.7' LT	RAMP A	-	1	-	-	-	-	1	-	1
				STAGE 1 SUBTOTALS	1	1	1	1	2	1	2	2	7
STAGE 2													
0010	29A	111CE+06	65.5' RT	CTH TS, EB	-	-	-	-	1	-	-	1	1
				STAGE 2 SUBTOTALS	0	0	0	0	1	0	0	1	1
STAGE 4													
0010	9A	40NB+59	127.3' RT	CTH VV, NB	-	-	-	-	1	-	-	1	1
0010	15	50NB+29	56.4' RT	MARLEY ST, NB	-	-	-	1	-	-	-	-	1
0010	16	53NB+27	49.1' RT	MARLEY ST, NB	-	1	-	-	-	-	-	-	1
0010	17	56NB+17	48.7' RT	MARLEY ST, NB	-	1	-	-	-	-	-	-	1
0010	18	58NB+38	51.7' RT	MARLEY ST, NB	-	-	-	1	-	-	-	-	1
				STAGE 4 SUBTOTALS	0	2	0	2	1	0	0	1	5
				TOTAL 0010	1	3	1	3	4	1	2	4	13

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

CULVERT PIPE AND APRON ENDWALL SALVAGED

			524.0124	524.0624	524.0630	* 633.5200	* 650.6000					
			CULVERT PIPE SALVAGED 24-INCH	APRON ENDWALLS FOR CULVERT PIPE SALVAGED 24-INCH	APRON ENDWALLS FOR CULVERT PIPE SALVAGED 30-INCH	MARKERS CULVERT END	CONSTRUCTION STAKING PIPE CULVERTS		STATION/OFFSET		ELEVATION	
CATEGORY	STATION	LOCATION	LF	EACH	EACH	EACH	EACH	MATERIAL	INLET	OUTLET	INLET	OUTLET
STAGE 2												
0010	638EGE+30	EVERGREEN AVE, RT	50	2	-	-	-	CMP	638EGE+43, 35.2' RT	638EGE+02, 37.1' RT	750.00	749.76
0010	640EGE+00	EVERGREEN AVE, RT	50	2	-	-	-	CMP	640EGE+33, 35.3' RT	639EGE+92, 35.5' RT	750.28	750.25
		STAGE 2 TOTALS	100	4	0	0	0					
STAGE 6												
0010	489WB+99	STH 29, WB, RT	-	1	-	1	1	RCCP		11.8' RT	763.23	
0010	578WB+94	STH 29, WB, LT	-	-	1	1	1	RCCP		47.3' LT	751.12	
		STAGE 6 TOTALS	0	1	1	2	2					
		TOTAL 0010	100	5	1	2	2					

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

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CONCRETE CURB & GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	601.0405 18-INCH TYPE A LF	SPV.0090.01 24-INCH TYPE D LF	601.0409 30-INCH TYPE A LF	601.0411 30-INCH TYPE D LF	601.0551 4-INCH SLOPED 36-INCH TYPE A LF	601.0553 4-INCH SLOPED 36-INCH TYPE D LF	601.0576 4-INCH SLOPED 30-INCH TYPE J LF	601.0580 4-INCH SLOPED 36-INCH TYPE R LF	601.0600 CONCRETE CURB PEDESTRIAN LF	SPV.0090.04 CONCRETE CURB TYPE G MODIFIED LF
STAGE 2														
0010	58NB+25	-	59NB+44	MARLEY ST, NB, LT & RT	-	-	-	237	-	-	30	-	45	-
0010	58SB+25	-	59SB+20	MARLEY ST, SB, LT & RT	-	-	-	203	-	-	30	-	-	-
0010	40CD+00	-	43CD+64	MARLEY-EVERGREEN RAB	270	-	-	-	-	-	-	355	-	-
0010	61NB+13	-	65NB+25	MARLEY ST, NB, LT & RT	-	-	-	729	-	-	-	-	56	-
0010	60SB+87	-	65SB+25	MARLEY ST, SB, LT & RT	-	-	-	592	-	120	-	-	-	20
0010	597EGE+87	-	598EGE+44	EVERGREEN AVE, EB, LT & RT	-	-	-	165	-	-	-	-	44	-
0010	597EGE+87	-	598EGE+44	EVERGREEN AVE, WB, LT & RT	-	-	-	189	-	-	-	-	-	-
0010	600EGE+12	-	623EGE32	EVERGREEN AVE, EB, LT & RT	-	-	-	4,585	-	-	-	-	82	-
0010	600EGW+07	-	623EGW+41	EVERGREEN AVE, WB, LT & RT	-	70	-	4,487	-	-	-	-	36	-
0010	623EGE+32	-	634EGE+74	EVERGREEN AVE, EB, LT & RT	-	-	-	2,159	-	-	-	-	40	-
0010	623EGW+41	-	634EGW+75	EVERGREEN AVE, WB, LT & RT	-	75	-	2,007	-	-	-	-	37	-
0010	706CT+00		707CT+00	CONNECTION RD, LT	-	-	-	20	-	-	-	-	-	-
0010	708CT+00		708CT+50	CONNECTION RD, LT	-	-	-	30	-	-	-	-	-	-
				STAGE 2 SUBTOTALS	270	145	0	15,403	0	120	60	355	340	20
STAGE 4														
0010	27NB+90	-	31NB+58	CTH VV, NB, LT & RT	-	-	-	604	-	-	-	-	43	-
0010	29SB+01	-	31SB+58	CTH VV, SB, LT & RT	-	-	-	611	-	-	-	-	-	-
0010	10CA+00	-	13CA+64	CTH VV-CTH TS RAB	270	-	-	-	-	-	-	355	-	-
0010	100CE+12	-	119CE+76	CTH TS, EB, LT & RT	-	-	-	4,103	-	-	-	-	48	-
0010	100CW+07	-	119CW76	CTH TS, WB, LT & RT	-	-	-	3,947	-	-	-	-	-	-
0010	33NB+26	-	41NB+81	CTH VV, NB, LT & RT	-	-	157	1,690	-	-	-	-	99	-
0010	33NB+26	-	41NB+68	CTH VV, SB, LT & RT	-	-	150	1,700	-	-	-	-	-	-
0010	20CB+00	-	23CB+64	CTH VV-RAMP AB RAB	270	-	-	-	-	-	-	355	-	-
0010	206RA+00	-	216RA+48	RAMP A, LT & RT	-	-	132	-	140	-	-	-	15	15
0010	300RB+10	-	311RB+00	RAMP B, LT & RT	-	-	150	-	-	-	-	-	-	-
0010	43NB+50	-	44NB+84	CTH VV, NB, LT & RT	-	-	408	-	-	-	-	-	-	-
0010	43SB+37	-	44SB+67	CTH VV, SB, LT & RT	-	-	383	-	-	-	-	-	-	-
0010	47NB+44	-	48NB+72	MARLEY ST, NB, LT & RT	-	-	381	-	-	-	-	-	-	-
0010	47SB+27	-	48SB+59	MARLEY ST, SB, LT & RT	-	-	395	-	-	-	-	-	-	-
0010	30CC+00	-	33CC+64	CTH VV-RAMP CD RAB	265	-	-	-	-	-	-	355	-	-
0010	400RC+09	-	410RC+00	RAMP C, LT & RT	-	-	131	-	149	-	-	-	15	15
0010	514RD+00	-	525RD+72	RAMP D, LT & RT	-	-	64	-	133	-	-	-	25	-
0010	50NB+41	-	58NB+25	MARLEY ST, NB, LT & RT	-	-	169	1,484	-	-	-	-	55	-
0010	50SB+26	-	58SB+25	MARLEY ST, SB, LT & RT	-	-	80	1,458	78	30	-	-	-	-
				STAGE 4 SUBTOTALS	805	0	2,600	15,597	500	30	0	1,065	300	30
STAGE 5														
	64NB+35	-	65NB+25	MARLEY ST, MEDIAN	-	-	-	180	-	-	-	-	-	-
				STAGE 5 SUBTOTALS	0	0	0	180	0	0	0	0	0	0
				TOTAL 0010	1,075	145	2,600	31,180	500	150	60	1,420	640	50

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CONCRETE SIDEWALK ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	416.0160 CONCRETE DRIVEWAY 6-INCH SY	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0415 CONCRETE SIDEWALK 6-INCH SF	SPV.0180.03 COLORED AND STAMPED CONCRETE 4-INCH SY	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	602.0615 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA SF
STAGE 2										
0010	58NB+25	-	59NB+44	MARLEY ST, NB, RT	-	935	80	-	16	-
0010	58SB+25	-	59SB+20	MARLEY ST, SB, LT	-	995	80	-	16	-
0010	59NB+23	-	59NB+44	MARLEY ST, MEDIAN	-	-	180	50	32	-
0010	40CD+00	-	43CD+64	MARLEY-EVERGREEN RAB	-	-	-	265	-	-
0010	61NB+13	-	64NB+25	MARLEY ST, NB, RT	-	2,105	135	-	28	-
0010	60SB+87	-	65SB+25	MARLEY ST, SB, LT	-	2,085	280	-	52	-
0010	61NB+13	-	63NB+60	MARLEY ST, MEDIAN	-	-	225	290	32	-
0010	63NB+95			MARLEY ST, RT	25	-	-	-	-	-
0010	64NB+25			MARLEY ST, RT	20	-	-	-	-	-
0010	798M+85			MILLWOOD CT, RT	30	-	-	-	-	-
0010	597EGE+97	-	598EGE+43	EVERGREEN AVE, EB, RT	-	340	80	-	16	-
0010	597EGE+97	-	598EGE+43	EVERGREEN AVE, WB, LT	-	470	80	-	16	-
0010	597EGE+77	-	598EGE+44	EVERGREEN AVE, MEDIAN	-	-	175	100	32	-
0010	600EGE+12	-	623EGE+32	EVERGREEN AVE, EB, RT	-	11,830	195	-	28	22
0010	600EGW+07	-	623EGW+41	EVERGREEN AVE, WB, LT	-	11,665	245	-	28	34
0010	600EGE+12	-	600EGE+37	EVERGREEN AVE, MEDIAN	-	165	280	55	56	-
0010	623EGE+32	-	634EGE+74	EVERGREEN AVE, EB, RT	-	5,600	170	-	24	34
0010	623EGW+41	-	634EGW+75	EVERGREEN AVE, WB, LT	-	5,215	225	-	24	35
0010	623EGE+78	-	626EGE+43	EVERGREEN AVE, MEDIAN	-	195	100	-	24	-
				STAGE 2 SUBTOTALS		41,600	2,530	760	424	125
STAGE 4										
0010	30NB+64	-	31NB+58	CTH VV, NB, RT	-	570	80	-	16	-
0010	30SB+79	-	31SB+58	CTH VV, SB, LT	-	1,070	80	-	16	-
0010	29NB+65	-	31NB+58	CTH VV, MEDIAN	-	1,230	175	45	32	-
0010	10CA+00	-	13CA+64	CTH VV-CTH TS RAB	-	-	-	265	-	-
0010	11CA+75			CTH VV-CTH TS RAB, RT	50	-	-	-	-	-
0010	100CE+12	-	119CE+76	CTH TS, EB, RT	-	10,830	80	-	16	-
0010	100CW+07	-	119CW+76	CTH TS, WB, LT	-	9,900	80	-	16	-
0010	100CE+12	-	100CE+36	CTH TS, MEDIAN	-	-	195	50	32	-
				STAGE 4 SUBTOTALS	50	23,600	690	360	128	0

CONCRETE SIDEWALK ITEMS (CONTINUED)

CATEGORY	STATION	TO	STATION	LOCATION	416.0160 CONCRETE DRIVEWAY 6-INCH SY	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0415 CONCRETE SIDEWALK 6-INCH SF	SPV.0180.03 COLORED AND STAMPED CONCRETE 4-INCH SY	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	602.0615 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA SF
STAGE 5										
0010	33NB+26	-	41NB+81	CTH VV, NB, RT	-	5,380	165	-	32	-
0010	33NB+26	-	41NB+68	CTH VV, SB, LT	-	5,510	155	-	32	-
0010	33NB+26	-	41NB+81	CTH VV, MEDIAN	-	6,460	390	95	64	-
0010	20CB+00	-	23CB+64	CTH VV-RAMP AB RAB	-	-	-	260	-	-
0010	216RA+25	-	216RA+48	RAMP A, LT & RT	-	1,210	70	-	32	-
0010	300RB+10	-	300RB+50	RAMP B, LT & RT	-	1,580	110	-	32	-
0010	43NB+50	-	45NB+05	CTH VV, NB, RT	-	1,130	-	-	-	-
0010	43SB+37	-	44SB+88	CTH VV, SB, LT	-	1,270	-	-	-	-
0010	43NB+50	-	45NB+05	CTH VV, MEDIAN	-	-	-	150	-	-
0010	47NB+23	-	48NB+72	MARLEY ST, NB, RT	-	1,120	-	-	-	-
0010	47SB+06	-	48SB+59	MARLEY ST, SB, LT	-	1,220	-	-	-	-
0010	47NB+23	-	48NB+72	MARLEY ST, MEDIAN	-	-	-	150	-	-
0010	30CC+00	-	33CC+64	CTH VV-RAMP CD RAB	-	-	-	255	-	-
0010	400RC+09	-	400RC+50	RAMP C, LT & RT	-	1,355	60	-	32	-
0010	525RD+25	-	525RD+72	RAMP D, LT & RT	-	1,460	110	-	32	-
0010	50NB+41	-	58NB+25	MARLEY ST, NB, RT	-	4,515	80	-	16	-
0010	50SB+26	-	58SB+25	MARLEY ST, SB, LT	-	4,290	80	-	16	-
0010	50NB+41	-	50NB+66	MARLEY ST, MEDIAN	-	-	220	60	32	-
				STAGE 5 SUBTOTALS	0	36,500	1,440	970	320	0
				TOTAL 0010	50	101,700	4,660	2,090	872	125

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RIPRAP AND GEOTEXTILE TYPE HR

CATEGORY	STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	645.0120 GEOTEXTILE TYPE HR SY	REMARKS
STAGE 1					
0010	600EGW+35	EVERGREEN AVE, LT	10	25	ENDWALL
0010	604EGE+35	EVERGREEN AVE, RT	5	15	ENDWALL
0010	618EGE+00	EVERGREEN AVE, RT	5	15	ENDWALL
0010	635EGW+40	EVERGREEN AVE, LT	20	55	PIPE DISCHARGE TO POND
0010	633EGW+50	EVERGREEN AVE, LT	65	160	ROCK CRIB AND POND DISCHARGE
0010	637EGE+30	EVERGREEN AVE, LT	20	60	ENDWALL
0010	704CT+25	CONNECTION RD, RT	10	35	ENDWALL
0010	208RA+80	RAMP A, RT	10	35	ENDWALL
		STAGE 1 SUBTOTALS	145	400	
STAGE 2					
0010	107CW+10	CTH TS, LT & RT	55	145	ENDWALL
0010	109CE+40	CTH TS, RT	10	30	ROCK CRIB AND POND DISCHARGE
0010	111CE+05	CTH TS, RT	15	40	PIPE DISCHARGE TO POND
0010	799M+30	MILLWOOD CT, RT	5	10	FLUME
0010	302RB+10	RAMP B, LT & RT	25	75	ENDWALL
0010	509RD+80	RAMP D, LT	20	55	ENDWALL
0010	519RD+86	RAMP D, LT & RT	20	65	ENDWALL
		STAGE 2 SUBTOTALS	150	420	
STAGE 4					
0010	36NB+35	CTH VV, LT & RT	20	60	PIPE DISCHARGE
0010	38NB+60	CTH VV, RT	20	55	ROCK CRIB AND POND DISCHARGE
0010	40NB+60	CTH VV, RT	10	35	PIPE DISCHARGE TO POND
0010	53NB+25	MARLEY ST, RT	40	120	ENDWALL
0010	56NB+25	MARLEY ST, RT	15	40	ENDWALL
0010	58NB+40	MARLEY ST, RT	10	30	ENDWALL
0010	215RA+05	RAMP A, LT	30	90	FLUME
0010	215RA+05	RAMP A, RT	30	90	FLUME
0010	300RB+75	RAMP B, LT	40	120	FLUME
0010	300RB+75	RAMP B, RT	40	120	FLUME
0010	401RC+51	RAMP C, LT	60	170	FLUME
0010	401RC+51	RAMP C, RT	30	90	FLUME
0010	30CC+96	RAMP C, LT	80	240	ENDWALL
0010	525RD+00	RAMP D, LT	40	120	FLUME
0010	525RD+00	RAMP D, RT	40	120	FLUME
		STAGE 4 SUBTOTALS	505	1,500	
		TOTAL 0010	800	2,320	

STORM SEWER PIPES REINFORCED CONCRETE

CATEGORY	FROM		TO	LOCATION	* 520.8000 CONCRETE COLLARS FOR PIPE EACH	STORM SEWER PIPE REINFORCED CONCRETE												STORM SEWER PLUG		
						608.0312 CLASS III 12-INCH LF	608.0315 CLASS III 15-INCH LF	* 608.0318 CLASS III 18-INCH LF	608.0324 CLASS III 24-INCH LF	608.0330 CLASS III 30-INCH LF	608.0336 CLASS III 36-INCH LF	608.0348 CLASS III 48-INCH LF	608.0412 CLASS IV 12-INCH LF	608.0415 CLASS IV 15-INCH LF	608.0418 CLASS IV 18-INCH LF	608.0421 CLASS IV 21-INCH LF	608.0424 CLASS IV 24-INCH LF	SPV.0060.12 12-INCH EACH	SPV.0060.13 21-INCH EACH	SPV.0060.14 24-INCH EACH
STAGE 1																				
0010	19	-	34	EVERGREEN AVE	-	-	-	-	-	177	-	-	-	-	-	-	-	-	-	-
0010	34	-	35	EVERGREEN AVE	-	-	-	-	-	208	-	-	-	-	-	-	-	-	-	-
0010	34A	-	SOUTH	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	-	16	-	-	1	-
0010	34A	-	34B	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-
0010	34B	-	34C	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	-	19	-	-	-	-
0010	34C	-	34D	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-
0010	34D	-	34	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-
0010	35	-	36	EVERGREEN AVE	-	-	-	-	-	176	-	-	-	-	-	-	-	-	-	-
0010	35A	-	35C	EVERGREEN AVE	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	-
0010	35C	-	35B	EVERGREEN AVE	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
0010	35C	-	35D	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-
0010	35D	-	35E	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	21	-	-	-	-	-	-
0010	35E	-	35F	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-
0010	35F	-	35G	EVERGREEN AVE	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
0010	35F	-	35	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-
0010	36	-	37	EVERGREEN AVE	-	-	-	-	-	206	-	-	-	-	-	-	-	-	-	-
0010	37	-	38	EVERGREEN AVE	-	-	-	-	-	180	-	-	-	-	-	-	-	-	-	-
0010	38	-	39	EVERGREEN AVE	-	-	-	-	-	-	188	-	-	-	-	-	-	-	-	-
0010	38A	-	38B	EVERGREEN AVE	-	-	-	-	-	-	-	-	32	-	-	-	-	-	-	-
0010	38B	-	38C	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-
0010	38C	-	38D	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-
0010	38D	-	38	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-
0010	WEST	-	39	EVERGREEN AVE	-	-	-	-	92	-	-	-	-	-	-	-	-	-	-	1
0010	39	-	40	EVERGREEN AVE	-	-	-	-	-	-	191	-	-	-	-	-	-	-	-	-
0010	40	-	41	EVERGREEN AVE	-	-	-	-	-	-	283	-	-	-	-	-	-	-	-	-
0010	40A	-	40B	EVERGREEN AVE	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-
0010	40B	-	40C	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	21	-	-	-	-	-	-
0010	40C	-	40D	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-
0010	40D	-	40	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-
0010	41	-	42	EVERGREEN AVE	-	-	-	-	-	-	203	-	-	-	-	-	-	-	-	-
0010	41A	-	41B	EVERGREEN AVE	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
0010	41B	-	41C	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-
0010	41C	-	41D	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	21	-	-	-	-	-	-
0010	41D	-	41E	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-
0010	41E	-	41F	EVERGREEN AVE	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
0010	41E	-	41	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-
0010	42	-	43	EVERGREEN AVE	-	-	-	-	-	-	155	-	-	-	-	-	-	-	-	-
0010	42A	-	42B	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-
0010	42B	-	42C	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-
0010	42C	-	42D	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	-	21	-	-	-	-
0010	42D	-	42E	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-
0010	42E	-	42	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

STORM SEWER PIPES REINFORCED CONCRETE (CONTINUED)

					STORM SEWER PIPE REINFORCED CONCRETE												STORM SEWER PLUG		
				* 520.8000 CONCRETE COLLARS FOR PIPE	608.0312 CLASS III 12-INCH	608.0315 CLASS III 15-INCH	* 608.0318 CLASS III 18-INCH	608.0324 CLASS III 24-INCH	608.0330 CLASS III 30-INCH	608.0336 CLASS III 36-INCH	608.0348 CLASS III 48-INCH	608.0412 CLASS IV 12-INCH	608.0415 CLASS IV 15-INCH	608.0418 CLASS IV 18-INCH	608.0421 CLASS IV 21-INCH	608.0424 CLASS IV 24-INCH	SPV.0060.12 12-INCH	SPV.0060.13 21-INCH	SPV.0060.14 24-INCH
CATEGORY	FROM		TO	LOCATION	EACH	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EACH	EACH	EACH
STAGE 1 CONTINUED																				
0010	43	-	44	EVERGREEN AVE	-	-	-	-	-	-	156	-	-	-	-	-	-	-	-	-
0010	44	-	45	EVERGREEN AVE	-	-	-	-	-	-	156	-	-	-	-	-	-	-	-	-
0010	45	-	46	EVERGREEN AVE	-	-	-	-	-	-	-	100	-	-	-	-	-	-	-	-
0010	45A	-	45B	EVERGREEN AVE	-	-	-	-	-	-	-	-	27	-	-	-	-	-	-	-
0010	45B	-	45C	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	16	-	-	-	-	-	-
0010	45C	-	45D	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	24	-	-	-	-	-
0010	45D	-	45	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-
0010	46	-	47	EVERGREEN AVE	-	-	-	-	-	-	-	135	-	-	-	-	-	-	-	-
0010	46A	-	46B	EVERGREEN AVE	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
0010	46B	-	46C	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	21	-	-	-	-	-	-
0010	46C	-	46D	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-
0010	46D	-	46E	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	32	-	-	-	-	-
0010	46F	-	46E	EVERGREEN AVE	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
0010	46E	-	46	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-
0010	47	-	48	EVERGREEN AVE	-	-	-	-	-	-	-	148	-	-	-	-	-	-	-	-
0010	48	-	49	EVERGREEN AVE	-	-	-	-	-	-	-	287	-	-	-	-	-	-	-	-
0010	48A	-	SOUTH	EVERGREEN AVE	-	-	-	-	-	-	-	-	16	-	-	-	-	1	-	-
0010	48A	-	48B	EVERGREEN AVE	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-
0010	48B	-	48C	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	21	-	-	-	-	-	-
0010	48C	-	48D	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-
0010	48D	-	48	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-
0010	49	-	50	EVERGREEN AVE	-	-	-	-	-	-	-	238	-	-	-	-	-	-	-	-
0010	49A	-	49B	EVERGREEN AVE	-	-	-	-	-	-	-	-	32	-	-	-	-	-	-	-
0010	49B	-	49C	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-
0010	49C	-	49D	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-
0010	49D	-	49	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-
0010	50	-	51	EVERGREEN AVE	-	-	-	-	-	-	-	242	-	-	-	-	-	-	-	-
0010	50A	-	SOUTH	EVERGREEN AVE	-	-	-	-	-	-	-	-	16	-	-	-	-	1	-	-
0010	50A	-	50B	EVERGREEN AVE	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-
0010	50B	-	50C	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	21	-	-	-	-	-	-
0010	50C	-	50D	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-
0010	50D	-	50	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-
0010	51	-	52	EVERGREEN AVE	-	-	-	-	-	-	-	33	-	-	-	-	-	-	-	-
0010	51A	-	51B	EVERGREEN AVE	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-
0010	51B	-	51C	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	21	-	-	-	-	-	-
0010	51C	-	51D	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-
0010	51D	-	51	EVERGREEN AVE	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-
0010	52	-	53	EVERGREEN AVE	-	-	-	-	-	-	-	66	-	-	-	-	-	-	-	-
0010	54	-	45	CONNECTION RD	-	-	-	-	-	-	263	-	-	-	-	-	-	-	-	-
0010	55	-	54	CONNECTION RD	-	-	-	-	-	-	242	-	-	-	-	-	-	-	-	-

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

STORM SEWER PIPES REINFORCED CONCRETE (CONTINUED)

						STORM SEWER PIPE REINFORCED CONCRETE												STORM SEWER PLUG		
CATEGORY	FROM		TO	LOCATION	* 520.8000 CONCRETE COLLARS FOR PIPE EACH	608.0312 CLASS III 12-INCH LF	608.0315 CLASS III 15-INCH LF	* 608.0318 CLASS III 18-INCH LF	608.0324 CLASS III 24-INCH LF	608.0330 CLASS III 30-INCH LF	608.0336 CLASS III 36-INCH LF	608.0348 CLASS III 48-INCH LF	608.0412 CLASS IV 12-INCH LF	608.0415 CLASS IV 15-INCH LF	608.0418 CLASS IV 18-INCH LF	608.0421 CLASS IV 21-INCH LF	608.0424 CLASS IV 24-INCH LF	SPV.0060.12 12-INCH EACH	SPV.0060.13 21-INCH EACH	SPV.0060.14 24-INCH EACH
STAGE 1 CONTINUED																				
0010	60	-	61	RAMP A	-	-	-	-	-	-	94	-	-	-	-	-	-	-	-	-
0010	61	-	62	RAMP A	-	-	-	47	-	-	-	-	-	-	-	-	-	-	-	-
0010	61	-	NORTH	RAMP A	1	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-
				STAGE 1 SUBTOTALS	1	0	0	47	92	960	1,931	1,249	281	231	310	171	0	2	1	1
STAGE 2																				
0010	19A	-	19B	MARLEY ST	-	-	-	-	-	-	-	-	115	-	-	-	-	-	-	-
0010	19B	-	19	MARLEY ST	-	-	-	-	-	-	-	-	-	45	-	-	-	-	-	-
0010	19C	-	19	MARLEY ST	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	-
0010	19	-	20	MARLEY ST	-	-	-	-	58	-	-	-	-	-	-	-	-	-	-	-
0010	20	-	21	MARLEY ST	-	-	-	-	276	-	-	-	-	-	-	-	-	-	-	-
0010	20A	-	20B	MARLEY ST	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-
0010	20B	-	20C	MARLEY ST	-	-	-	-	-	-	-	-	-	74	-	-	-	-	-	-
0010	20C	-	20D	MARLEY ST	-	-	-	-	-	-	-	-	-	-	123	-	-	-	-	-
0010	20D	-	20E	MARLEY ST	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
0010	20D	-	20F	MARLEY ST	-	-	-	-	-	-	-	-	50	-	-	-	-	-	-	-
0010	20D	-	20	MARLEY ST	-	-	-	-	-	-	-	-	34	-	-	-	-	-	-	-
0010	21	-	22	MARLEY ST	-	-	-	-	-	-	-	-	-	-	121	-	-	-	-	-
0010	21A	-	21	MARLEY ST	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-
0010	21B	-	21A	MARLEY ST	-	-	-	-	-	-	-	-	-	-	29	-	-	-	-	-
0010	21C	-	21B	MARLEY ST	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-
0010	21D	-	21C	MARLEY ST	-	-	-	-	-	-	-	-	19	-	-	-	-	-	-	-
0010	22A	-	22	MARLEY ST	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-
0010	22B	-	22C	MARLEY ST	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-
0010	22C	-	22	MARLEY ST	-	-	-	-	-	-	-	-	-	51	-	-	-	-	-	-
0010	23	-	24	CTH TS	-	-	-	-	297	-	-	-	-	-	-	-	-	-	-	-
0010	23A	-	23B	CTH TS	-	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-
0010	23B	-	23C	CTH TS	-	-	-	21	-	-	-	-	-	-	-	-	-	-	-	-
0010	23C	-	23D	CTH TS	-	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-
0010	23D	-	23	CTH TS	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-
0010	24	-	25	CTH TS	-	-	-	-	-	125	-	-	-	-	-	-	-	-	-	-
0010	24A	-	24B	CTH TS	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-
0010	24B	-	24C	CTH TS	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-
0010	24C	-	24D	CTH TS	-	-	-	-	-	-	-	-	-	-	21	-	-	-	-	-
0010	24D	-	24	CTH TS	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-
0010	25	-	26	CTH TS	-	-	-	-	-	104	-	-	-	-	-	-	-	-	-	-
0010	26	-	27	CTH TS	-	-	-	-	-	95	-	-	-	-	-	-	-	-	-	-
0010	27	-	28	CTH TS	-	-	-	-	-	113	-	-	-	-	-	-	-	-	-	-
0010	27A	-	27B	CTH TS	-	-	-	-	-	-	-	-	21	-	-	-	-	-	-	-
0010	27B	-	27C	CTH TS	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

STORM SEWER PIPES REINFORCED CONCRETE (CONTINUED)

					STORM SEWER PIPE REINFORCED CONCRETE												STORM SEWER PLUG		
CATEGORY	FROM	TO	LOCATION	* 520.8000 CONCRETE COLLARS FOR PIPE EACH	608.0312 CLASS III 12-INCH LF	608.0315 CLASS III 15-INCH LF	* 608.0318 CLASS III 18-INCH LF	608.0324 CLASS III 24-INCH LF	608.0330 CLASS III 30-INCH LF	608.0336 CLASS III 36-INCH LF	608.0348 CLASS III 48-INCH LF	608.0412 CLASS IV 12-INCH LF	608.0415 CLASS IV 15-INCH LF	608.0418 CLASS IV 18-INCH LF	608.0421 CLASS IV 21-INCH LF	608.0424 CLASS IV 24-INCH LF	SPV.0060.12 12-INCH EACH	SPV.0060.13 21-INCH EACH	SPV.0060.14 24-INCH EACH
STAGE 2 CONTINUED																			
0010	27C	27D	CTH TS	-	-	-	-	-	-	-	-	-	-	21	-	-	-	-	-
0010	27D	27	CTH TS	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-	-
0010	28	29	CTH TS	-	-	-	-	-	89	-	-	-	-	-	-	-	-	-	-
0010	29	30	CTH TS	-	-	-	-	135	-	-	-	-	-	-	-	-	-	-	-
0010	29	29A	CTH TS	-	-	-	-	-	-	41	-	-	-	-	-	-	-	-	-
0010	30	31	CTH TS	-	-	-	-	108	-	-	-	-	-	-	-	-	-	-	-
0010	30A	30B	CTH TS	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
0010	30B	30C	CTH TS	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-
0010	30C	30D	CTH TS	-	-	-	-	-	-	-	-	-	33	-	-	-	-	-	-
0010	30D	30E	CTH TS	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-
0010	30E	30F	CTH TS	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
0010	30E	30	CTH TS	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-
0010	31	32	CTH TS	-	-	-	-	126	-	-	-	-	-	-	-	-	-	-	-
0010	32	33	CTH TS	-	-	-	-	295	-	-	-	-	-	-	-	-	-	-	-
0010	33A	33B	CTH TS	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
0010	33B	33C	CTH TS	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-
0010	33C	33D	CTH TS	-	-	-	-	-	-	-	-	-	27	-	-	-	-	-	-
0010	33D	33E	CTH TS	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-
0010	33E	33F	CTH TS	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
0010	33E	33	CTH TS	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-
			STAGE 2 SUBTOTALS	0	0	0	68	1,328	526	41	0	316	336	394	0	0	0	0	0
STAGE 4																			
0010	1	2	CTH VV	-	-	-	-	-	-	-	-	-	-	193	-	-	-	-	-
0010	1B	1	CTH VV	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-
0010	1C	1D	CTH VV	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-
0010	1D	1E	CTH VV	-	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-
0010	1E	1	CTH VV	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-
0010	2	3	CTH VV	-	-	-	99	-	-	-	-	-	-	-	-	-	-	-	-
0010	2A	2	CTH VV	-	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	3	4	CTH VV	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	-
0010	3	23	CTH TS	-	-	-	-	281	-	-	-	-	-	-	-	-	-	-	-
0010	4	5	CTH VV	-	-	-	112	-	-	-	-	-	-	-	-	-	-	-	-
0010	4A	4B	CTH VV	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	4B	4	CTH VV	-	-	39	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	5	6	CTH VV	-	-	-	66	-	-	-	-	-	-	-	-	-	-	-	-
0010	6A	6	CTH VV	-	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	6B	6A	CTH VV	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	6C	6D	CTH VV	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	6C	6E	CTH VV	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	6E	6	CTH VV	-	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

STORM SEWER PIPES REINFORCED CONCRETE (CONTINUED)

					STORM SEWER PIPE REINFORCED CONCRETE												STORM SEWER PLUG		
				* 520.8000 CONCRETE COLLARS FOR PIPE	608.0312 CLASS III 12-INCH	608.0315 CLASS III 15-INCH	* 608.0318 CLASS III 18-INCH	608.0324 CLASS III 24-INCH	608.0330 CLASS III 30-INCH	608.0336 CLASS III 36-INCH	608.0348 CLASS III 48-INCH	608.0412 CLASS IV 12-INCH	608.0415 CLASS IV 15-INCH	608.0418 CLASS IV 18-INCH	608.0421 CLASS IV 21-INCH	608.0424 CLASS IV 24-INCH	SPV.0060.12 12-INCH	SPV.0060.13 21-INCH	SPV.0060.14 24-INCH
CATEGORY	FROM		TO	LOCATION	EACH	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EACH	EACH	EACH
STAGE 4 CONTINUED																				
0010	7	-	8	CTH VV	-	-	-	-	302	-	-	-	-	-	-	-	-	-	-	-
0010	7A	-	7B	CTH VV	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	7B	-	7C	CTH VV	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	7C	-	7D	CTH VV	-	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-
0010	7D	-	7	CTH VV	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-
0010	8A	-	8B	CTH VV	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	8B	-	8C	CTH VV	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	8C	-	8D	CTH VV	-	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-
0010	8D	-	8E	CTH VV	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-
0010	8E	-	8	CTH VV	-	-	-	-	-	-	-	-	-	-	-	-	77	-	-	-
0010	8	-	9	CTH VV	-	-	-	-	151	-	-	-	-	-	-	-	-	-	-	-
0010	9	-	9A	CTH VV	-	-	-	-	-	-	20	-	-	-	-	-	-	-	-	-
0010	9	-	10	CTH VV	-	-	-	-	-	-	-	-	-	-	-	-	114	-	-	-
0010	10	-	11	CTH VV	-	-	-	124	-	-	-	-	-	-	-	-	-	-	-	-
0010	10A	-	10B	CTH VV	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	10B	-	10C	CTH VV	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	10C	-	10D	CTH VV	-	-	-	38	-	-	-	-	-	-	-	-	-	-	-	-
0010	10D	-	10	CTH VV	-	-	-	58	-	-	-	-	-	-	-	-	-	-	-	-
0010	10E	-	10	CTH VV	-	-	-	-	-	-	-	28	-	-	-	-	-	-	-	-
0010	11	-	12	CTH VV	-	-	-	117	-	-	-	-	-	-	-	-	-	-	-	-
0010	11A	-	11	CTH VV	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	12	-	12D	CTH VV	-	-	107	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	12A	-	12B	CTH VV	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	12B	-	12C	CTH VV	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	12C	-	12	CTH VV	-	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	12D	-	12E	CTH VV	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	12D	-	12F	CTH VV	-	-	41	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	12F	-	12G	CTH VV	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	13	-	14	MARLEY ST	-	-	-	-	-	-	-	-	-	35	-	-	-	-	-	-
0010	13A	-	13B	MARLEY ST	-	-	-	-	-	-	-	113	-	-	-	-	-	-	-	-
0010	13B	-	13	MARLEY ST	-	-	-	-	-	-	-	-	56	-	-	-	-	-	-	-
0010	13C	-	13	MARLEY ST	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-
0010	14A	-	14B	MARLEY ST	-	-	-	-	-	-	-	110	-	-	-	-	-	-	-	-
0010	14B	-	14	MARLEY ST	-	-	-	-	-	-	-	-	62	-	-	-	-	-	-	-
0010	14	-	15	MARLEY ST	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	-
0010	16A	-	16B	MARLEY ST	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-	-
0010	16B	-	16C	MARLEY ST	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-
0010	16C	-	16D	MARLEY ST	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-
0010	16D	-	16	MARLEY ST	-	-	-	-	-	-	-	-	-	31	-	-	-	-	-	-
0010	17A	-	17B	MARLEY ST	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-	-

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

STORM SEWER PIPES REINFORCED CONCRETE (CONTINUED)

CATEGORY	FROM		TO	LOCATION	* 520.8000 CONCRETE COLLARS FOR PIPE EACH	STORM SEWER PIPE REINFORCED CONCRETE												STORM SEWER PLUG		
						608.0312 CLASS III 12-INCH LF	608.0315 CLASS III 15-INCH LF	* 608.0318 CLASS III 18-INCH LF	608.0324 CLASS III 24-INCH LF	608.0330 CLASS III 30-INCH LF	608.0336 CLASS III 36-INCH LF	608.0348 CLASS III 48-INCH LF	608.0412 CLASS IV 12-INCH LF	608.0415 CLASS IV 15-INCH LF	608.0418 CLASS IV 18-INCH LF	608.0421 CLASS IV 21-INCH LF	608.0424 CLASS IV 24-INCH LF	SPV.0060.12 12-INCH EACH	SPV.0060.13 21-INCH EACH	SPV.0060.14 24-INCH EACH
STAGE 4 CONTINUED																				
0010	17B	-	17C	MARLEY ST	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-
0010	17C	-	17D	MARLEY ST	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-
0010	17D	-	17	MARLEY ST	-	-	-	-	-	-	-	-	-	-	30	-	-	-	-	-
0010	18A	-	18B	MARLEY ST	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
0010	18B	-	18D	MARLEY ST	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-
0010	18C	-	18D	MARLEY ST	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
0010	18D	-	18F	MARLEY ST	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-
0010	18E	-	18F	MARLEY ST	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
0010	18F	-	18H	MARLEY ST	-	-	-	-	-	-	-	-	-	-	21	-	-	-	-	-
0010	18G	-	18H	MARLEY ST	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
0010	18H	-	18	MARLEY ST	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	-
				STAGE 4 SUBTOTALS	0	247	296	669	845	0	20	0	372	163	370	0	191	0	0	0
STAGE 6																				
0010	70	-	NORTH	STH 29	1	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-
0010	70	-	SOUTH	STH 29	1	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-
0010	71	-	NORTH	STH 29	1	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-
0010	71	-	SOUTH	STH 29	1	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-
				STAGE 6 SUBTOTALS	4	0	0	0	12	12	0	0	0	0	0	0	0	0	0	0
				TOTAL 0010	5	247	296	784	2,277	1,498	1,992	1,249	969	730	1,074	171	191	2	1	1

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

STORM SEWER PIPE COMPOSITE

CATEGORY	STATION	TO	STATION	LOCATION	* 521.1012 APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH EACH	608.6008 STORM SEWER PIPE COMPOSITE 8-INCH LF	* 608.6012 STORM SEWER PIPE COMPOSITE 12-INCH LF	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	SPV.0090.05 STORM LATERAL 4-INCH LF	STATION/OFFSET
STAGE 2										
0010	21A	-	SOUTHWEST	MARLEY ST, SB, LT	-	-	-	-	50	
0010	22D	-	22A	MARLEY ST, NB, RT	1	-	112	1	-	65NB+98, 2.6' RT
0010	22E	-	22B	MARLEY ST, SB, LT	1	-	54	1	-	65SB+43, 22.8' LT
				STAGE 2 SUBTOTALS	2	0	166	2	50	
STAGE 4										
0010	1A	-	1B	CTH VV	-	72	-	-	-	
0010	3A	-	3	CTH VV	-	66	-	-	-	
				STAGE 4 SUBTOTALS	0	138	0	0	0	
				TOTAL 0010	2	138	166	2	50	

STORM SEWER COVERS

CATEGORY	STRUCTURE	STATION	OFFSET	LOCATION	* 611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0652 INLET COVERS TYPE T EACH
STAGE 1									
0010	19	600EGW+40	25.5' LT	EVERGREEN AVE, WB	1	-	-	-	-
0010	34	602EGW+25	27' LT	EVERGREEN AVE, WB	1	-	-	-	-
0010	34A	602EGE+34	18.5' RT	EVERGREEN AVE, EB	-	1	-	-	-
0010	34B	602EGE+34	1.5' LT	EVERGREEN AVE, EB	-	1	-	-	-
0010	34C	602EGW+25	1.5' RT	EVERGREEN AVE, WB	-	1	-	-	-
0010	34D	602EGW+25	18.5' LT	EVERGREEN AVE, WB	-	1	-	-	-
0010	35	604EGW+29	27' LT	EVERGREEN AVE, WB	1	-	-	-	-
0010	35B	604EGE+43	18.5' RT	EVERGREEN AVE, EB	-	1	-	-	-
0010	35C	604EGE+32	18.5' RT	EVERGREEN AVE, EB	-	-	1	-	-
0010	35D	604EGE+32	1.5' LT	EVERGREEN AVE, EB	-	-	1	-	-
0010	35E	604EGW+29	1.5' RT	EVERGREEN AVE, WB	-	-	1	-	-
0010	35F	604EGW+29	18.5' LT	EVERGREEN AVE, WB	-	-	1	-	-
0010	35G	604EGW+38	18.5' LT	EVERGREEN AVE, WB	-	1	-	-	-
0010	36	606EGW+00	27' LT	EVERGREEN AVE, WB	1	-	-	-	-
0010	37	608EGW+00	27' LT	EVERGREEN AVE, WB	1	-	-	-	-
0010	38	609EGW+74	27' LT	EVERGREEN AVE, WB	1	-	-	-	-
0010	38A	609EGE+64	18.5' RT	EVERGREEN AVE, EB	-	1	-	-	-
0010	38B	609EGE+64	13.5' LT	EVERGREEN AVE, EB	-	1	-	-	-
0010	38C	609EGW+74	1.5' RT	EVERGREEN AVE, WB	-	1	-	-	-
0010	38D	609EGW+74	18.5' LT	EVERGREEN AVE, WB	-	1	-	-	-
0010	39	611EGW+11	27' LT	EVERGREEN AVE, WB	1	-	-	-	-
0010	40	613EGW+42	28.5' LT	EVERGREEN AVE, WB	1	-	-	-	-
0010	40A	613EGE+21	18.5' RT	EVERGREEN AVE, EB	-	1	-	-	-
0010	40B	613EGE+21	1.5' LT	EVERGREEN AVE, EB	-	1	-	-	-
0010	40C	613EGW+42	1.5' RT	EVERGREEN AVE, WB	-	1	-	-	-
0010	40D	613EGW+42	18.5' LT	EVERGREEN AVE, WB	-	1	-	-	-
0010	41	616EGW+22	27' LT	EVERGREEN AVE, WB	1	-	-	-	-
0010	41A	615EGE+88	18.5' RT	EVERGREEN AVE, EB	-	1	-	-	-
0010	41B	615EGE+98	18.5' RT	EVERGREEN AVE, EB	-	-	1	-	-
0010	41C	615EGE+98	1.5' LT	EVERGREEN AVE, EB	-	-	1	-	-
0010	41D	616EGW+22	1.5' RT	EVERGREEN AVE, WB	-	-	1	-	-
0010	41E	616EGW+22	18.5' LT	EVERGREEN AVE, WB	-	-	1	-	-
0010	41F	616EGW+12	18.5' LT	EVERGREEN AVE, WB	-	1	-	-	-
0010	42	618EGW+25	25' LT	EVERGREEN AVE, WB	1	-	-	-	-
0010	42B	618EGE+01	18.5' RT	EVERGREEN AVE, EB	-	1	-	-	-
0010	42C	618EGE+01	1.5' LT	EVERGREEN AVE, EB	-	1	-	-	-
0010	42D	618EGW+25	1.5' RT	EVERGREEN AVE, WB	-	1	-	-	-
0010	42E	618EGW+25	18.5' LT	EVERGREEN AVE, WB	-	1	-	-	-
0010	43	619EGW+85	25' LT	EVERGREEN AVE, WB	1	-	-	-	-
0010	44	621EGW+46	25' LT	EVERGREEN AVE, WB	1	-	-	-	-
0010	45	623EGW+07	27' LT	EVERGREEN AVE, WB	1	-	-	-	-

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

STORM SEWER COVERS (CONTINUED)

CATEGORY	STRUCTURE	STATION	OFFSET	LOCATION	* 611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0652 INLET COVERS TYPE T EACH
STAGE 1 CONTINUED									
0010	45A	622EGE+82	21.8' RT	EVERGREEN AVE, EB	-	1	-	-	-
0010	45B	622EGE+88	4.7' LT	EVERGREEN AVE, EB	-	1	-	-	-
0010	45C	622EGW+91	5.2' RT	EVERGREEN AVE, WB	-	1	-	-	-
0010	45D	622EGW+96	18.5' LT	EVERGREEN AVE, WB	-	1	-	-	-
0010	46	624EGW+11	27' LT	EVERGREEN AVE, WB	1	-	-	-	-
0010	46A	624EGE+17	18.5' RT	EVERGREEN AVE, EB	-	-	1	-	-
0010	46B	624EGE+07	18.5' RT	EVERGREEN AVE, EB	-	-	1	-	-
0010	46C	624EGE+00	1.5' LT	EVERGREEN AVE, EB	-	-	1	-	-
0010	46D	624EGW+11	13.5' RT	EVERGREEN AVE, WB	-	-	1	-	-
0010	46E	624EGW+11	18.5' LT	EVERGREEN AVE, WB	-	-	1	-	-
0010	46F	624EGW+21	18.5' LT	EVERGREEN AVE, WB	-	-	1	-	-
0010	47	625EGW+50	25' LT	EVERGREEN AVE, WB	1	-	-	-	-
0010	48	627EGW+00	27' LT	EVERGREEN AVE, WB	1	-	-	-	-
0010	48A	627EGE+00	18.5' RT	EVERGREEN AVE, EB	-	1	-	-	-
0010	48B	627EGE+00	1.5' LT	EVERGREEN AVE, EB	-	1	-	-	-
0010	48C	627EGW+00	1.5' RT	EVERGREEN AVE, WB	-	1	-	-	-
0010	48D	627EGW+00	18.5' LT	EVERGREEN AVE, WB	-	1	-	-	-
0010	49	629EGW+87	27' LT	EVERGREEN AVE, WB	1	-	-	-	-
0010	49A	629EGE+86	18.5' RT	EVERGREEN AVE, EB	-	1	-	-	-
0010	49B	629EGE+86	13.5' LT	EVERGREEN AVE, EB	-	1	-	-	-
0010	49C	629EGW+87	1.5' RT	EVERGREEN AVE, WB	-	1	-	-	-
0010	49D	629EGW+87	18.5' LT	EVERGREEN AVE, WB	-	1	-	-	-
0010	50	632EGW+25	27' LT	EVERGREEN AVE, WB	1	-	-	-	-
0010	50A	632EGE+25	18.5' RT	EVERGREEN AVE, EB	-	1	-	-	-
0010	50B	632EGE+25	1.5' LT	EVERGREEN AVE, EB	-	1	-	-	-
0010	50C	632EGW+25	1.5' RT	EVERGREEN AVE, WB	-	1	-	-	-
0010	50D	632EGW+25	18.5' LT	EVERGREEN AVE, WB	-	1	-	-	-
0010	51	634EGW+67	27' LT	EVERGREEN AVE, WB	1	-	-	-	-
0010	51A	634EGE+66	18.5' RT	EVERGREEN AVE, EB	-	1	-	-	-
0010	51B	634EGE+66	1.5' LT	EVERGREEN AVE, EB	-	1	-	-	-
0010	51C	634EGW+67	1.5' RT	EVERGREEN AVE, WB	-	1	-	-	-
0010	51D	634EGW+67	18.5' LT	EVERGREEN AVE, WB	-	1	-	-	-
0010	52	635EGW+00	27' LT	EVERGREEN AVE, WB	1	-	-	-	-
0010	54	702CT+11	35' RT	CONNECTION RD	1	-	-	-	-
0010	61	208RA+71	40.3' LT	RAMP A	1	-	-	-	-
				STAGE 1 SUBTOTALS	22	40	14	0	0
STAGE 2									
0010	19A	42CD+95	21.5' RT	MARLEY-EVERGREEN RAB	-	1	-	-	-
0010	19B	40CD+25	21.5' RT	MARLEY-EVERGREEN RAB	-	1	-	-	-
0010	20	40CD+62	32.4' RT	MARLEY-EVERGREEN RAB	1	-	-	-	-
0010	20A	597EGE+76	1.5' LT	EVERGREEN AVE, EB	-	1	-	-	-

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

STORM SEWER COVERS (CONTINUED)

CATEGORY	STRUCTURE	STATION	OFFSET	LOCATION	* 611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0652 INLET COVERS TYPE T EACH
STAGE 2 CONTINUED									
0010	20B	597EGW+79	1.5' RT	EVERGREEN AVE, WB	-	1	-	-	-
0010	20C	41CD+91	21.5' RT	MARLEY-EVERGREEN RAB	-	1	-	-	-
0010	20D	40CD+60	1.7' LT	MARLEY-EVERGREEN RAB	-	-	-	-	1
0010	20E	40CD+50	2' LT	MARLEY-EVERGREEN RAB	-	-	-	-	1
0010	20F	40CD+99	21.5' RT	MARLEY-EVERGREEN RAB	-	1	-	-	-
0010	21	63NB+55	25.8' RT	MARLEY ST, NB	1	-	-	-	-
0010	21A	63NB+56	17.8' RT	MARLEY ST, NB	-	1	-	-	-
0010	21B	63NB+56	11.5' LT	MARLEY ST, NB	-	1	-	-	-
0010	21C	63SB+25	1.5' RT	MARLEY ST, SB	-	1	-	-	-
0010	21D	63SB+25	17.5' LT	MARLEY ST, SB	-	1	-	-	-
0010	22	64NB+78	17.5' RT	MARLEY ST, NB	-	1	-	-	-
0010	22A	64NB+88	17.5' RT	MARLEY ST, NB	-	-	1	-	-
0010	22B	64SB+61	17.5' LT	MARLEY ST, SB	-	-	1	-	-
0010	22C	64SB+51	17.5' LT	MARLEY ST, SB	-	1	-	-	-
0010	23	103CE+06	25' RT	CTH TS, EB	1	-	-	-	-
0010	23A	103CW+00	18.5' LT	CTH TS, WB	-	1	-	-	-
0010	23B	103CW+00	1.5' RT	CTH TS, WB	-	1	-	-	-
0010	23C	103CE+06	1.5' LT	CTH TS, EB	-	1	-	-	-
0010	23D	103CE+06	18.5' RT	CTH TS, EB	-	1	-	-	-
0010	24	106CE+04	25' RT	CTH TS, EB	1	-	-	-	-
0010	24A	106CW+00	18.5' LT	CTH TS, WB	-	1	-	-	-
0010	24B	106CW+00	1.5' RT	CTH TS, WB	-	1	-	-	-
0010	24C	106CE+04	1.5' LT	CTH TS, EB	-	1	-	-	-
0010	24D	106CE+04	18.5' RT	CTH TS, EB	-	1	-	-	-
0010	25	107CE+25	25' RT	CTH TS, EB	1	-	-	-	-
0010	26	108CE+25	25' RT	CTH TS, EB	1	-	-	-	-
0010	27	109CE+17	25' RT	CTH TS, EB	1	-	-	-	-
0010	27A	109CW+00	18.5' LT	CTH TS, WB	-	1	-	-	-
0010	27B	109CW+00	1.5' RT	CTH TS, WB	-	1	-	-	-
0010	27C	109CE+16	1.5' LT	CTH TS, EB	-	1	-	-	-
0010	27D	109CE+16	18.5' RT	CTH TS, EB	-	1	-	-	-
0010	28	110CE+25	25' RT	CTH TS, EB	1	-	-	-	-
0010	29	111CE+10	25' RT	CTH TS, EB	1	-	-	-	-
0010	30	112CE+39	27.9' RT	CTH TS, EB	1	-	-	-	-
0010	30A	112CW+24	18.5' LT	CTH TS, WB	-	1	-	-	-
0010	30B	112CW+34	18.5' LT	CTH TS, WB	-	-	1	-	-
0010	30C	112CW+34	1.5' RT	CTH TS, WB	-	-	1	-	-
0010	30D	112CE+39	1.5' LT	CTH TS, EB	-	-	1	-	-
0010	30E	112CE+39	18.5' RT	CTH TS, EB	-	-	1	-	-
0010	30F	112CE+30	18.5' RT	CTH TS, EB	-	1	-	-	-

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

STORM SEWER COVERS (CONTINUED)

CATEGORY	STRUCTURE	STATION	OFFSET	LOCATION	* 611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0652 INLET COVERS TYPE T EACH
STAGE 2 CONTINUED									
0010	31	113CE+43	25' RT	CTH TS, EB	1	-	-	-	-
0010	32	114CE+64	25' RT	CTH TS, EB	1	-	-	-	-
0010	33	117CE+14	27.3' RT	CTH TS, EB	1	-	-	-	-
0010	33A	117CW+22	18.5' LT	CTH TS, WB	-	1	-	-	-
0010	33B	117CW+32	18.5' LT	CTH TS, WB	-	-	1	-	-
0010	33C	117CW+32	1.5' RT	CTH TS, WB	-	-	1	-	-
0010	33D	117CE+14	1.5' LT	CTH TS, EB	-	-	1	-	-
0010	33E	117CE+14	18.5' RT	CTH TS, EB	-	-	1	-	-
0010	33F	117CE+04	18.5' RT	CTH TS, EB	-	1	-	-	-
				STAGE 2 SUBTOTALS	13	28	10	0	2
STAGE 4									
0010	1	29NB+67	7.5' RT	CTH VV, NB	1	-	-	-	-
0010	1B	29NB+67	18.5' RT	CTH VV, NB	-	1	-	-	-
0010	1C	29SB+67	18.8' LT	CTH VV, SB	-	1	-	-	-
0010	1D	29SB+67	1.5' RT	CTH VV, SB	-	1	-	-	-
0010	1E	29NB+67	3.4' LT	CTH VV, NB	-	1	-	-	-
0010	2	12CA+62	21.5' RT	CTH VV-CTH TS RAB	-	1	-	-	-
0010	2A	31SB+60	20.6' LT	CTH VV, SB	-	1	-	-	-
0010	3	100CE+20	25' RT	CTH TS, EB	1	-	-	-	-
0010	3A	31NB+65	66.5' RT	CTH VV, NB	-	-	-	1	-
0010	4	13CA+37	21.5' RT	CTH VV-CTH TS RAB	-	1	-	-	-
0010	4A	13CA+00	2' LT	CTH VV-CTH TS RAB	-	-	-	-	1
0010	4B	13CA+10	2' LT	CTH VV-CTH TS RAB	-	-	-	-	1
0010	5	10CA+63	21.5' RT	CTH VV-CTH TS RAB	-	1	-	-	-
0010	6	33NB+88	1.5' LT	CTH VV, NB	-	-	1	-	-
0010	6A	34NB+12	21.3' RT	CTH VV, NB	-	-	1	-	-
0010	6B	34NB+22	21.0' RT	CTH VV, NB	-	-	1	-	-
0010	6C	33SB+95	17.6' LT	CTH VV, SB	-	-	1	-	-
0010	6D	34SB+05	17.7' LT	CTH VV, SB	-	-	1	-	-
0010	6E	33SB+88	1.5' RT	CTH VV, SB	-	-	1	-	-
0010	7	36NB+60	25' RT	CTH VV, NB	1	-	-	-	-
0010	7A	36SB+52	18.5' LT	CTH VV, SB	-	1	-	-	-
0010	7B	36SB+52	1.5' RT	CTH VV, SB	-	1	-	-	-
0010	7C	36NB+60	1.5' LT	CTH VV, NB	-	1	-	-	-
0010	7D	36NB+60	18.5' RT	CTH VV, NB	-	1	-	-	-
0010	8	39NB+30	101.5' RT	CTH VV, NB	1	-	-	-	-
0010	8A	39SB+18	18.5' LT	CTH VV, SB	-	1	-	-	-
0010	8B	39SB+18	1.5' RT	CTH VV, SB	-	1	-	-	-
0010	8C	39NB+30	1.5' LT	CTH VV, NB	-	1	-	-	-
0010	8D	39NB+30	18.5' RT	CTH VV, NB	-	1	-	-	-
0010	8E	39NB+30	25' RT	CTH VV, NB	1	-	-	-	-

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

3

STORM SEWER COVERS (CONTINUED)

CATEGORY	STRUCTURE	STATION	OFFSET	LOCATION	* 611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0652 INLET COVERS TYPE T EACH
STAGE 4 CONTINUED									
0010	9	40NB+60	107.8' RT	CTH VV, NB	1	-	-	-	-
0010	10	41NB+50	25' RT	CTH VV, NB	1	-	-	-	-
0010	10A	20CB+34	21.5' RT	CTH VV-RAMP AB RAB	-	1	-	-	-
0010	10B	20CB+75	2' LT	CTH VV-RAMP AB RAB	-	-	-	-	1
0010	10C	20CB+85	2' LT	CTH VV-RAMP AB RAB	-	-	-	-	1
0010	10D	21CB+11	21.5' RT	CTH VV-RAMP AB RAB	-	1	-	-	-
0010	10E	41NB+85	21.2' RT	CTH VV, NB	-	1	-	-	-
0010	11	22CB+06	36.9' RT	CTH VV-RAMP AB RAB	1	-	-	-	-
0010	11A	22CB+04	21.5' RT	CTH VV-RAMP AB RAB	-	1	-	-	-
0010	12	43NB+54	26.2' RT	CTH VV, NB	1	-	-	-	-
0010	12A	43SB+40	1.5' RT	CTH VV, SB	-	1	-	-	-
0010	12B	23CB+09	21.5' RT	CTH VV-RAMP AB RAB	-	1	-	-	-
0010	12C	43NB+52	1.5' LT	CTH VV, NB	-	1	-	-	-
0010	12D	44NB+64	16.5' RT	CTH VV, NB	-	1	-	-	-
0010	12E	44NB+74	16.5' RT	CTH VV, NB	-	1	-	-	-
0010	12F	44SB+47	16.7' LT	CTH VV, SB	-	1	-	-	-
0010	12G	44SB+57	16.5' LT	CTH VV, SB	-	1	-	-	-
0010	13	31CC+00	1.7' LT	CTH VV-RAMP CD RAB	-	-	-	-	1
0010	13A	33CC+27	21.5' RT	CTH VV-RAMP CD RAB	-	1	-	-	-
0010	13B	30CC+55	21.5' RT	CTH VV-RAMP CD RAB	-	1	-	-	-
0010	13C	31CC+10	2' LT	CTH VV-RAMP CD RAB	-	-	-	-	1
0010	14	30CC+98	33.1' RT	CTH VV-RAMP CD RAB	1	-	-	-	-
0010	14A	32CC+29	21.5' RT	CTH VV-RAMP CD RAB	-	1	-	-	-
0010	14B	31CC+40	21.5' RT	CTH VV-RAMP CD RAB	-	1	-	-	-
0010	16A	53SB+05	18.5' LT	MARLEY ST, SB	-	1	-	-	-
0010	16B	53SB+05	1.5' RT	MARLEY ST, SB	-	1	-	-	-
0010	16C	53NB+27	1.5' LT	MARLEY ST, NB	-	1	-	-	-
0010	16D	53NB+27	18.5' RT	MARLEY ST, NB	-	1	-	-	-
0010	17A	55SB+92	18.5' LT	MARLEY ST, SB	-	1	-	-	-
0010	17B	55SB+92	1.5' RT	MARLEY ST, SB	-	1	-	-	-
0010	17C	56NB+17	1.5' LT	MARLEY ST, NB	-	1	-	-	-
0010	17D	56NB+17	18.5' RT	MARLEY ST, NB	-	1	-	-	-
0010	18A	58SB+25	19.3' LT	MARLEY ST, SB	-	-	1	-	-
0010	18B	58SB+15	19' LT	MARLEY ST, SB	-	1	-	-	-
0010	18C	58SB+25	1.5' RT	MARLEY ST, SB	-	-	1	-	-
0010	18D	58SB+15	1.5' RT	MARLEY ST, SB	-	1	-	-	-
0010	18E	58NB+32	1.5' LT	MARLEY ST, NB	-	1	-	-	-
0010	18F	58NB+42	1.5' LT	MARLEY ST, NB	-	-	1	-	-
0010	18G	58NB+28	19.3' RT	MARLEY ST, NB	-	1	-	-	-
0010	18H	58NB+38	19.6' RT	MARLEY ST, NB	-	-	1	-	-
				STAGE 4 SUBTOTALS	10	43	10	1	6

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

STORM SEWER COVERS (CONTINUED)

CATEGORY	STRUCTURE	STATION	OFFSET	LOCATION	* 611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0652 INLET COVERS TYPE T EACH
STAGE 6									
0010	70	562EB+93	22' LT	STH 29, EB	-	-	-	2	-
0010	71	578EB+95	31.2' LT	STH 29, EB	-	-	-	2	-
				STAGE 6 SUBTOTALS	0	0	0	4	0
				TOTAL 0010	45	111	34	5	8

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

STORM SEWER STRUCTURES

					MANHOLES						INLETS						
										*							*
					611.2004	611.2005	611.2006	611.2007	611.2008	SPV.0060.01	611.3004	SPV.0060.02	611.3225	611.3230	611.3901	611.3902	650.4000
					4-FT DIAMETER	5-FT DIAMETER	6-FT DIAMETER	7-FT DIAMETER	8-FT DIAMETER	10-FT DIAMETER	4-FT DIAMETER	6-FT DIAMETER	2X2.5-FT	2X3-FT	MEDIAN 1 GRATE	MEDIAN 2 GRATE	CONSTRUCTION STAKING STORM SEWER
CATEGORY	STRUCTURE	STATION	OFFSET	LOCATION	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
STAGE 1																	
0010	19	600EGW+40	25.5' LT	EVERGREEN AVE, WB	-	-	-	1	-	-	-	-	-	-	-	-	1
0010	34	602EGW+25	27' LT	EVERGREEN AVE, WB	-	1	-	-	-	-	-	-	-	-	-	-	1
0010	34A	602EGE+34	18.5' RT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	34B	602EGE+34	1.5' LT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	34C	602EGW+25	1.5' RT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	34D	602EGW+25	18.5' LT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	35	604EGW+29	27' LT	EVERGREEN AVE, WB	-	-	-	1	-	-	-	-	-	-	-	-	1
0010	35B	604EGE+43	18.5' RT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	35C	604EGE+32	18.5' RT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	35D	604EGE+32	1.5' LT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	35E	604EGW+29	1.5' RT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	35F	604EGW+29	18.5' LT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	35G	604EGW+38	18.5' LT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	36	606EGW+00	27' LT	EVERGREEN AVE, WB	-	1	-	-	-	-	-	-	-	-	-	-	1
0010	37	608EGW+00	27' LT	EVERGREEN AVE, WB	-	1	-	-	-	-	-	-	-	-	-	-	1
0010	38	609EGW+74	27' LT	EVERGREEN AVE, WB	-	-	1	-	-	-	-	-	-	-	-	-	1
0010	38A	609EGE+64	18.5' RT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	38B	609EGE+64	13.5' LT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	38C	609EGW+74	1.5' RT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	38D	609EGW+74	18.5' LT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	39	611EGW+11	27' LT	EVERGREEN AVE, WB	-	-	-	1	-	-	-	-	-	-	-	-	1
0010	40	613EGW+42	28.5' LT	EVERGREEN AVE, WB	-	-	1	-	-	-	-	-	-	-	-	-	1
0010	40A	613EGE+21	18.5' RT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	40B	613EGE+21	1.5' LT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	40C	613EGW+42	1.5' RT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	40D	613EGW+42	18.5' LT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	41	616EGW+22	27' LT	EVERGREEN AVE, WB	-	-	1	-	-	-	-	-	-	-	-	-	1
0010	41A	615EGE+88	18.5' RT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	41B	615EGE+98	18.5' RT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	41C	615EGE+98	1.5' LT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	41D	616EGW+22	1.5' RT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	41E	616EGW+22	18.5' LT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	41F	616EGW+12	18.5' LT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	42	618EGW+25	25' LT	EVERGREEN AVE, WB	-	-	1	-	-	-	-	-	-	-	-	-	1
0010	42B	618EGE+01	18.5' RT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	42C	618EGE+01	1.5' LT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	42D	618EGW+25	1.5' RT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	42E	618EGW+25	18.5' LT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	43	619EGW+85	25' LT	EVERGREEN AVE, WB	-	1	-	-	-	-	-	-	-	-	-	-	1
0010	44	621EGW+46	25' LT	EVERGREEN AVE, WB	-	1	-	-	-	-	-	-	-	-	-	-	1
0010	45	623EGW+07	27' LT	EVERGREEN AVE, WB	-	-	-	-	-	1	-	-	-	-	-	-	1

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

STORM SEWER STRUCTURES (CONTINUED)

					MANHOLES						INLETS						
					611.2004	611.2005	611.2006	611.2007	611.2008	SPV.0060.01	611.3004	SPV.0060.02	611.3225	611.3230	611.3901	611.3902	* 650.4000 CONSTRUCTION STAKING STORM SEWER
					4-FT DIAMETER	5-FT DIAMETER	6-FT DIAMETER	7-FT DIAMETER	8-FT DIAMETER	10-FT DIAMETER	4-FT DIAMETER	6-FT DIAMETER	2X2.5-FT	2X3-FT	MEDIAN 1 GRATE	MEDIAN 2 GRATE	
CATEGORY	STRUCTURE	STATION	OFFSET	LOCATION	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
STAGE 1 CONTINUED																	
0010	45A	622EGE+82	21.8' RT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	45B	622EGE+88	4.7' LT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	45C	622EGW+91	5.2' RT	EVERGREEN AVE, WB	-	-	-	-	-	-	1	-	-	-	-	-	1
0010	45D	622EGW+96	18.5' LT	EVERGREEN AVE, WB	-	-	-	-	-	-	1	-	-	-	-	-	1
0010	46	624EGW+11	27' LT	EVERGREEN AVE, WB	-	-	-	1	-	-	-	-	-	-	-	-	1
0010	46A	624EGE+17	18.5' RT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	46B	624EGE+07	18.5' RT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	46C	624EGE+00	1.5' LT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	46D	624EGW+11	13.5' RT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	46E	624EGW+11	18.5' LT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	46F	624EGW+21	18.5' LT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	47	625EGW+50	25' LT	EVERGREEN AVE, WB	-	-	-	1	-	-	-	-	-	-	-	-	1
0010	48	627EGW+00	27' LT	EVERGREEN AVE, WB	-	-	-	1	-	-	-	-	-	-	-	-	1
0010	48A	627EGE+00	18.5' RT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	48B	627EGE+00	1.5' LT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	48C	627EGW+00	1.5' RT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	48D	627EGW+00	18.5' LT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	49	629EGW+87	27' LT	EVERGREEN AVE, WB	-	-	-	1	-	-	-	-	-	-	-	-	1
0010	49A	629EGE+86	18.5' RT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	49B	629EGE+86	13.5' LT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	49C	629EGW+87	1.5' RT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	49D	629EGW+87	18.5' LT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	50	632EGW+25	27' LT	EVERGREEN AVE, WB	-	-	-	1	-	-	-	-	-	-	-	-	1
0010	50A	632EGE+25	18.5' RT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	50B	632EGE+25	1.5' LT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	50C	632EGW+25	1.5' RT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	50D	632EGW+25	18.5' LT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	51	634EGW+67	27' LT	EVERGREEN AVE, WB	-	-	-	1	-	-	-	-	-	-	-	-	1
0010	51A	634EGE+66	18.5' RT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	51B	634EGE+66	1.5' LT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	51C	634EGW+67	1.5' RT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	51D	634EGW+67	18.5' LT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	52	635EGW+00	27' LT	EVERGREEN AVE, WB	-	-	-	-	1	-	-	-	-	-	-	-	1
0010	54	702CT+11	35' RT	CONNECTION RD	-	1	-	-	-	-	-	-	-	-	-	-	1
0010	61	208RA+71	40.3' LT	RAMP A	-	-	1	-	-	-	-	-	-	-	-	-	1
				STAGE 1 SUBTOTALS	0	6	5	9	1	1	2	0	0	52	0	0	76
STAGE 2																	
0010	19A	42CD+95	21.5' RT	MARLEY-EVERGREEN RAB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	19B	40CD+25	21.5' RT	MARLEY-EVERGREEN RAB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	20	40CD+62	32.4' RT	MARLEY-EVERGREEN RAB	-	1	-	-	-	-	-	-	-	-	-	-	1
0010	20A	597EGE+76	1.5' LT	EVERGREEN AVE, EB	-	-	-	-	-	-	-	-	-	1	-	-	1

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

					MANHOLES						INLETS						
					611.2004	611.2005	611.2006	611.2007	611.2008	SPV.0060.01	611.3004	SPV.0060.02	611.3225	611.3230	611.3901	611.3902	* 650.4000
					4-FT DIAMETER	5-FT DIAMETER	6-FT DIAMETER	7-FT DIAMETER	8-FT DIAMETER	10-FT DIAMETER	4-FT DIAMETER	6-FT DIAMETER	2X2.5-FT	2X3-FT	MEDIAN 1 GRATE	MEDIAN 2 GRATE	CONSTRUCTION STAKING STORM SEWER
CATEGORY	STRUCTURE	STATION	OFFSET	LOCATION	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
STAGE 2 CONTINUED																	
0010	20B	597EGW+79	1.5' RT	EVERGREEN AVE, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	20C	41CD+91	21.5' RT	MARLEY-EVERGREEN RAB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	20D	40CD+60	1.7' LT	MARLEY-EVERGREEN RAB	-	-	-	-	-	-	-	1	-	-	-	-	1
0010	20E	40CD+50	2' LT	MARLEY-EVERGREEN RAB	-	-	-	-	-	-	-	-	1	-	-	-	1
0010	20F	40CD+99	21.5' RT	MARLEY-EVERGREEN RAB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	21	63NB+55	25.8' RT	MARLEY ST, NB	-	1	-	-	-	-	-	-	-	-	-	-	1
0010	21A	63NB+56	17.8' RT	MARLEY ST, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	21B	63NB+56	11.5' LT	MARLEY ST, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	21C	63SB+25	1.5' RT	MARLEY ST, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	21D	63SB+25	17.5' LT	MARLEY ST, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	22	64NB+78	17.5' RT	MARLEY ST, NB	-	-	-	-	-	-	1	-	-	-	-	-	1
0010	22A	64NB+88	17.5' RT	MARLEY ST, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	22B	64SB+61	17.5' LT	MARLEY ST, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	22C	64SB+51	17.5' LT	MARLEY ST, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	23	103CE+06	25' RT	CTH TS, EB	-	1	-	-	-	-	-	-	-	-	-	-	1
0010	23A	103CW+00	18.5' LT	CTH TS, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	23B	103CW+00	1.5' RT	CTH TS, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	23C	103CE+06	1.5' LT	CTH TS, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	23D	103CE+06	18.5' RT	CTH TS, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	24	106CE+04	25' RT	CTH TS, EB	-	-	1	-	-	-	-	-	-	-	-	-	1
0010	24A	106CW+00	18.5' LT	CTH TS, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	24B	106CW+00	1.5' RT	CTH TS, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	24C	106CE+04	1.5' LT	CTH TS, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	24D	106CE+04	18.5' RT	CTH TS, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	25	107CE+25	25' RT	CTH TS, EB	-	1	-	-	-	-	-	-	-	-	-	-	1
0010	26	108CE+25	25' RT	CTH TS, EB	-	1	-	-	-	-	-	-	-	-	-	-	1
0010	27	109CE+17	25' RT	CTH TS, EB	-	-	1	-	-	-	-	-	-	-	-	-	1
0010	27A	109CW+00	18.5' LT	CTH TS, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	27B	109CW+00	1.5' RT	CTH TS, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	27C	109CE+16	1.5' LT	CTH TS, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	27D	109CE+16	18.5' RT	CTH TS, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	28	110CE+25	25' RT	CTH TS, EB	-	1	-	-	-	-	-	-	-	-	-	-	1
0010	29	111CE+10	25' RT	CTH TS, EB	-	-	-	1	-	-	-	-	-	-	-	-	1
0010	30	112CE+39	27.9' RT	CTH TS, EB	-	1	-	-	-	-	-	-	-	-	-	-	1
0010	30A	112CW+24	18.5' LT	CTH TS, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	30B	112CW+34	18.5' LT	CTH TS, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	30C	112CW+34	1.5' RT	CTH TS, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	30D	112CE+39	1.5' LT	CTH TS, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	30E	112CE+39	18.5' RT	CTH TS, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	30F	112CE+30	18.5' RT	CTH TS, EB	-	-	-	-	-	-	-	-	-	1	-	-	1

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

STORM SEWER STRUCTURES (CONTINUED)

					MANHOLES						INLETS						
					611.2004	611.2005	611.2006	611.2007	611.2008	SPV.0060.01	611.3004	SPV.0060.02	611.3225	611.3230	611.3901	611.3902	* 650.4000 CONSTRUCTION STAKING STORM SEWER
CATEGORY	STRUCTURE	STATION	OFFSET	LOCATION	4-FT DIAMETER EACH	5-FT DIAMETER EACH	6-FT DIAMETER EACH	7-FT DIAMETER EACH	8-FT DIAMETER EACH	10-FT DIAMETER EACH	4-FT DIAMETER EACH	6-FT DIAMETER EACH	2X2.5-FT EACH	2X3-FT EACH	MEDIAN 1 GRATE EACH	MEDIAN 2 GRATE EACH	EACH
STAGE 2 CONTINUED																	
0010	31	113CE+43	25'RT	CTH TS, EB	1	-	-	-	-	-	-	-	-	-	-	-	1
0010	32	114CE+64	25'RT	CTH TS, EB	1	-	-	-	-	-	-	-	-	-	-	-	1
0010	33	117CE+14	27.3'RT	CTH TS, EB	-	1	-	-	-	-	-	-	-	-	-	-	1
0010	33A	117CW+22	18.5'LT	CTH TS, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	33B	117CW+32	18.5'LT	CTH TS, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	33C	117CW+32	1.5'RT	CTH TS, WB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	33D	117CE+14	1.5'LT	CTH TS, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	33E	117CE+14	18.5'RT	CTH TS, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	33F	117CE+04	18.5'RT	CTH TS, EB	-	-	-	-	-	-	-	-	-	1	-	-	1
				STAGE 2 SUBTOTALS	2	8	2	1	0	0	1	1	1	37	0	0	53
STAGE 4																	
0010	1	29NB+67	7.5'RT	CTH VV, NB	1	-	-	-	-	-	-	-	-	-	-	-	1
0010	1B	29NB+67	18.5'RT	CTH VV, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	1C	29SB+67	18.8'LT	CTH VV, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	1D	29SB+67	1.5'RT	CTH VV, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	1E	29NB+67	3.4'LT	CTH VV, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	2	12CA+62	21.5'RT	CTH VV-CTH TS RAB	-	-	-	-	-	-	1	-	-	-	-	-	1
0010	2A	31SB+60	20.6'LT	CTH VV, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	3	100CE+20	25'RT	CTH TS, EB	-	-	1	-	-	-	-	-	-	-	-	-	1
0010	3A	31NB+65	66.5'RT	CTH VV, NB	-	-	-	-	-	-	-	-	-	-	1	-	1
0010	4	13CA+37	21.5'RT	CTH VV-CTH TS RAB	-	-	-	-	-	-	1	-	-	-	-	-	1
0010	4A	13CA+00	2'LT	CTH VV-CTH TS RAB	-	-	-	-	-	-	-	-	1	-	-	-	1
0010	4B	13CA+10	2'LT	CTH VV-CTH TS RAB	-	-	-	-	-	-	-	-	1	-	-	-	1
0010	5	10CA+63	21.5'RT	CTH VV-CTH TS RAB	-	-	-	-	-	-	1	-	-	-	-	-	1
0010	6	33NB+88	1.5'LT	CTH VV, NB	-	-	-	-	-	-	-	1	-	-	-	-	1
0010	6A	34NB+12	21.3'RT	CTH VV, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	6B	34NB+22	21.0'RT	CTH VV, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	6C	33SB+95	17.6'LT	CTH VV, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	6D	34SB+05	17.7'LT	CTH VV, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	6E	33SB+88	1.5'RT	CTH VV, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	7	36NB+60	25'RT	CTH VV, NB	-	1	-	-	-	-	-	-	-	-	-	-	1
0010	7A	36SB+52	18.5'LT	CTH VV, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	7B	36SB+52	1.5'RT	CTH VV, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	7C	36NB+60	1.5'LT	CTH VV, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	7D	36NB+60	18.5'RT	CTH VV, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	8	39NB+30	101.5'RT	CTH VV, NB	-	-	1	-	-	-	-	-	-	-	-	-	1
0010	8A	39SB+18	18.5'LT	CTH VV, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	8B	39SB+18	1.5'RT	CTH VV, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	8C	39NB+30	1.5'LT	CTH VV, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	8D	39NB+30	18.5'RT	CTH VV, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	8E	39NB+30	25'RT	CTH VV, NB	1	-	-	-	-	-	-	-	-	-	-	-	1

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

					MANHOLES						INLETS						
					611.2004	611.2005	611.2006	611.2007	611.2008	SPV.0060.01	611.3004	SPV.0060.02	611.3225	611.3230	611.3901	611.3902	* 650.4000
					4-FT DIAMETER	5-FT DIAMETER	6-FT DIAMETER	7-FT DIAMETER	8-FT DIAMETER	10-FT DIAMETER	4-FT DIAMETER	6-FT DIAMETER	2X2.5-FT	2X3-FT	MEDIAN 1 GRATE	MEDIAN 2 GRATE	CONSTRUCTION STAKING STORM SEWER
CATEGORY	STRUCTURE	STATION	OFFSET	LOCATION	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
STAGE 4 CONTINUED																	
0010	9	40NB+60	107.8' RT	CTH VV, NB	-	-	1	-	-	-	-	-	-	-	-	-	1
0010	10	41NB+50	25' RT	CTH VV, NB	-	1	-	-	-	-	-	-	-	-	-	-	1
0010	10A	20CB+34	21.5' RT	CTH VV-RAMP AB RAB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	10B	20CB+75	2' LT	CTH VV-RAMP AB RAB	-	-	-	-	-	-	1	-	-	-	-	-	1
0010	10C	20CB+85	2' LT	CTH VV-RAMP AB RAB	-	-	-	-	-	-	1	-	-	-	-	-	1
0010	10D	21CB+11	21.5' RT	CTH VV-RAMP AB RAB	-	-	-	-	-	-	1	-	-	-	-	-	1
0010	10E	41NB+85	21.2' RT	CTH VV, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	11	22CB+06	36.9' RT	CTH VV-RAMP AB RAB	-	-	1	-	-	-	-	-	-	-	-	-	1
0010	11A	22CB+04	21.5' RT	CTH VV-RAMP AB RAB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	12	43NB+54	26.2' RT	CTH VV, NB	1	-	-	-	-	-	-	-	-	-	-	-	1
0010	12A	43SB+40	1.5' RT	CTH VV, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	12B	23CB+09	21.5' RT	CTH VV-RAMP AB RAB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	12C	43NB+52	1.5' LT	CTH VV, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	12D	44NB+64	16.5' RT	CTH VV, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	12E	44NB+74	16.5' RT	CTH VV, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	12F	44SB+47	16.7' LT	CTH VV, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	12G	44SB+57	16.5' LT	CTH VV, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	13	31CC+00	1.7' LT	CTH VV-RAMP CD RAB	-	-	-	-	-	-	1	-	-	-	-	-	1
0010	13A	33CC+27	21.5' RT	CTH VV-RAMP CD RAB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	13B	30CC+55	21.5' RT	CTH VV-RAMP CD RAB	-	-	-	-	-	-	1	-	-	-	-	-	1
0010	13C	31CC+10	2' LT	CTH VV-RAMP CD RAB	-	-	-	-	-	-	-	-	1	-	-	-	1
0010	14	30CC+98	33.1' RT	CTH VV-RAMP CD RAB	-	-	1	-	-	-	-	-	-	-	-	-	1
0010	14A	32CC+29	21.5' RT	CTH VV-RAMP CD RAB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	14B	31CC+40	21.5' RT	CTH VV-RAMP CD RAB	-	-	-	-	-	-	1	-	-	-	-	-	1
0010	16A	53SB+05	18.5' LT	MARLEY ST, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	16B	53SB+05	1.5' RT	MARLEY ST, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	16C	53NB+27	1.5' LT	MARLEY ST, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	16D	53NB+27	18.5' RT	MARLEY ST, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	17A	55SB+92	18.5' LT	MARLEY ST, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	17B	55SB+92	1.5' RT	MARLEY ST, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	17C	56NB+17	1.5' LT	MARLEY ST, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	17D	56NB+17	18.5' RT	MARLEY ST, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	18A	58SB+25	19.3' LT	MARLEY ST, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	18B	58SB+15	19' LT	MARLEY ST, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	18C	58SB+25	1.5' RT	MARLEY ST, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	18D	58SB+15	1.5' RT	MARLEY ST, SB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	18E	58NB+32	1.5' LT	MARLEY ST, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	18F	58NB+42	1.5' LT	MARLEY ST, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	18G	58NB+28	19.3' RT	MARLEY ST, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
0010	18H	58NB+38	19.6' RT	MARLEY ST, NB	-	-	-	-	-	-	-	-	-	1	-	-	1
				STAGE 4 SUBTOTALS	3	2	5	0	0	0	9	1	3	46	1	0	70

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

					MANHOLES						INLETS						
					611.2004	611.2005	611.2006	611.2007	611.2008	SPV.0060.01	611.3004	SPV.0060.02	611.3225	611.3230	611.3901	611.3902	* 650.4000 CONSTRUCTION STAKING STORM SEWER
CATEGORY	STRUCTURE	STATION	OFFSET	LOCATION	4-FT DIAMETER EACH	5-FT DIAMETER EACH	6-FT DIAMETER EACH	7-FT DIAMETER EACH	8-FT DIAMETER EACH	10-FT DIAMETER EACH	4-FT DIAMETER EACH	6-FT DIAMETER EACH	2X2.5-FT EACH	2X3-FT EACH	MEDIAN 1 GRATE EACH	MEDIAN 2 GRATE EACH	SEWER EACH
STAGE 6																	
0010	70	562EB+93	22' LT	STH 29, EB	-	-	-	-	-	-	-	-	-	-	-	1	1
0010	71	578EB+95	31.2' LT	STH 29, EB	-	-	-	-	-	-	-	-	-	-	-	1	1
				STAGE 6 SUBTOTALS	0	0	0	0	0	0	0	0	0	0	0	2	2
				TOTAL 0010	5	16	12	10	1	1	12	2	4	135	1	2	201

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

DETENTION POND PIPES AND APRON ENDWALLS

		APRON ENDWALLS FOR CULVERT PIPE				STORM SEWER PIPE			
		SPV.0060.03	* 521.1012	* 522.1018	522.2629	* 608.0318	608.2329	608.6010	* 608.6012
CATEGORY	LOCATION	STEEL 10-INCH EACH	STEEL 12-INCH EACH	REINFORCED CONCRETE 18-INCH EACH	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 29X45-INCH EACH	REINFORCED CONCRETE CLASS III 18-INCH LF	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 29X45-INCH LF	COMPOSITE 10-INCH LF	COMPOSITE 12-INCH LF
0010	CTH TS POND	1	-	1	-	52	-	70	-
0010	CTH VV POND	1	-	1	-	48	-	68	-
0010	EVERGREEN POND	-	1	-	1	-	58	-	70
	TOTAL 0010	2	1	2	1	100	58	138	70

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

DETENTION POND STRUCTURES, COVERS, AND ROCK CRIB

		* 611.0535 MANHOLE COVERS TYPE J-SPECIAL	611.2003 MANHOLES 3-FT DIAMETER	SPV.0060.04 OUTFALL STRUCTURE 2X2-FT	SPV.0060.05 OUTFALL STRUCTURE 3X3-FT	SPV.0060.06 OUTFALL STRUCTURE 3X6-FT	SPV.0060.07 ROCK CRIB CTH TS	SPV.0060.08 ROCK CRIB CTH VV	SPV.0060.09 ROCK CRIB EVERGREEN	SPV.0060.10 CONSTRUCTION STAKING POND LAYOUT
CATEGORY	LOCATION	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
0010	CTH TS POND	4	2	1	1	-	1	-	-	1
0010	CTH VV POND	4	2	1	1	-	-	1	-	1
0010	EVERGREEN POND	5	2	1	-	1	-	-	1	1
	TOTAL 0010	13	6	3	2	1	1	1	1	3

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

3

UNDERDRAIN

CATEGORY	STATION	LOCATION	612.0106 PIPE UNDERDRAIN 6-INCH LF	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	612.0700 DRAIN TILE EXPLORATION LF	612.0806 APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH EACH	310.0115 BASE AGGREGATE OPEN-GRADED CY	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY	REMARKS
STAGE 1									
0010	103CE+06	CTH TS, EB & WB	80	-	-	-	12	76	23A - 23D
0010	106CE+04	CTH TS, EB & WB	80	-	-	-	12	76	24A - 24D
0010	109CE+16	CTH TS, EB & WB	80	-	-	-	12	76	27A - 27D
0010	112CE+39	CTH TS, EB & WB	100	-	-	-	15	95	30A - 30F
0010	117CE+14	CTH TS, EB & WB	100	-	-	-	15	95	33A - 33F
0010	602EGE+25	EVERGREEN AVE, EB & WB	80	-	-	-	12	77	34A - 34D
0010	604EGE+29	EVERGREEN AVE, EB & WB	100	-	-	-	15	95	35B - 35G
0010	609EGE+74	EVERGREEN AVE, EB & WB	80	-	-	-	12	77	38A - 38D
0010	613EGE+42	EVERGREEN AVE, EB & WB	80	-	-	-	12	77	40A - 40D
0010	616EGE+22	EVERGREEN AVE, EB & WB	100	-	-	-	15	95	41A - 41F
0010	618EGE+25	EVERGREEN AVE, EB & WB	80	-	-	-	12	76	42B - 42E
0010	623EGE+07	EVERGREEN AVE, EB & WB	80	-	-	-	12	76	45A - 45D
0010	624EGE+11	EVERGREEN AVE, EB & WB	100	-	-	-	15	95	46A - 46F
0010	627EGE+00	EVERGREEN AVE, EB & WB	80	-	-	-	12	76	48A - 48D
0010	629EGE+87	EVERGREEN AVE, EB & WB	80	-	-	-	12	76	49A - 49D
0010	632EGE+25	EVERGREEN AVE, EB & WB	80	-	-	-	12	76	50A - 50D
0010	634EGE+67	EVERGREEN AVE, EB & WB	80	-	-	-	12	76	51A - 51D
		STAGE 1 SUBTOTALS	1,460	0	0	0		1,390	
STAGE 2									
0010	58SB+25	MARLEY ST, NB & SB	120	-	-	-	19	114	18A - 18H
0010	40CD+62	MARLEY-EVERGREEN RAB	350	-	-	-	26	253	
0010	64SB+51	MARLEY ST, NB & SB	60	-	-	-	10	58	22 - 22C
		STAGE 2 SUBTOTALS	530	0	0	0	55	425	
STAGE 4									
0010	13CA+00	CTH VV-CTH TS RAB	350	-	-	-	26	253	
0010	33NB+88	CTH VV, NB & SB	100	-	-	-	17	96	6 - 6E
0010	20CB+75	CTH VV-RAMP AB RAB	350	-	-	-	26	253	
0010	31CC+00	CTH VV-RAMP AB RAB	350	-	-	-	26	253	
		STAGE 4 SUBTOTALS	1,150	0	0	0	95	855	
STAGE 6									
0010	524EB+25	STH 29, EB, RT	-	15	-	1	-	-	
0010	531EB+00	STH 29, EB, RT	-	15	-	1	-	-	
0010	541EB+00	STH 29, EB, LT	-	-	-	1	-	-	
0010	553EB+55	STH 29, EB, RT	-	15	-	1	-	-	
0010	556EB+00	STH 29, EB, LT	-	-	-	1	-	-	
0010	566EB+60	STH 29, EB, RT	-	15	-	1	-	-	
0010	576EB+00	STH 29, EB, LT	-	-	-	1	-	-	
0010		UNDISTRIBUTED	-	10	50	-	-	-	
			0	70	50	7	0	0	
		TOTAL 0010	3,140	70	50	7	150	2,670	

GUARDRAIL ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	614.0220 STEEL THRIE BEAM BULLNOSE TERMINAL EACH	614.0230 STEEL THRIE BEAM LF
STAGE 4						
0010	540EB+95	-	542EB+90	STH 29, EB, LT	2	125
				TOTAL 0010	2	125

CRASH CUSHIONS TEMPORARY

CATEGORY	LOCATION	614.0905 CRASH CUSHIONS TEMPORARY EACH	BACK WIDTH (FT)	OBJECT MARKING PATTERN	CRASH TEST LEVEL	TRAFFIC DIRECTION	TRAFFIC LOCATION	CRASH CUSHION SHIELDS
9200-10-71								
0010	STH 29, EB, RT AT OVERPASS	1	4	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	R	TEMPORARY CONCRETE BARRIER
0010	STH 29, EB, LT AT OVERPASS	1	4	OM-3R (W05-58R)	TL-4	UNIDIRECTIONAL	R	TEMPORARY CONCRETE BARRIER
0010	STH 29, WB, RT AT OVERPASS	1	4	OM-3R (W05-58R)	TL-5	UNIDIRECTIONAL	R	TEMPORARY CONCRETE BARRIER
0010	STH 29, WB, LT AT OVERPASS	1	4	OM-3R (W05-58R)	TL-6	UNIDIRECTIONAL	R	TEMPORARY CONCRETE BARRIER
	TOTAL 0010	4						

MAINTENANCE AND REPAIR OF HAUL ROADS

CATEGORY	LOCATION	618.0100.01 MAINTENANCE AND REPAIR OF HAUL ROADS (9200-10-71) EACH	618.0100.02 MAINTENANCE AND REPAIR OF HAUL ROADS (9200-10-72) EACH
0010	PROJECT	1	-
	TOTAL 9200-10-71	1	0
0010	PROJECT	-	1
	TOTAL 9200-10-72	0	1

SAFETY FENCE

CATEGORY	STATION	OFFSET	LOCATION	616.0700.S FENCE SAFETY LF	REMARKS
0010	403RC+50	70' RT	RAMP C	25	GEODETIC SURVEY CONTROL STATION
0010	516RD+40	50' RT	RAMP D	25	GEODETIC SURVEY CONTROL STATION
0010	546WB+56	122' LT	STH 29, WB, LT	80	PROTECT SECTION CORNER/MONUMENTS
0010	563WB+32	110' LT	STH 29, WB, LT	50	PROTECT SECTION CORNER/MONUMENTS
0010	717XCL+30	LT/RT	EXISTING CTH U	20	PROTECT SOUTH SECTION CORNERS
0010			UNDISTRIBUTED	200	
			TOTAL 0010	400	

LANDMARK REFERENCE MONUMENTS

CATEGORY	STATION	LOCATION	621.0100 LANDMARK REFERENCE MONUMENTS EACH	REMARKS
0010	61SB+37	MARLEY ST, SB, LT	4	TYPE A MONUMENTS - T24N R19E EAST 1/4 CORNER SECTION 3 - BROWN COUNTY SECTION 49C17
0010	486WB+10	STH 29, WB, LT	4	TYPE A MONUMENTS - T24N R19E CLOSING CORNER SECTION 3/4 - BROWN COUNTY SECTION 49B/C-13
0010	563WB+32	STH 29, WB, LT	2	TYPE A MONUMENTS - T24N R19E CLOSING CORNER SECTION 1/2 - BROWN COUNTY SECTION 49E18/19
0010	637EGE+38	EVERGREEN AVE, EB, RT	4	TYPE A MONUMENTS - T24N R19E NORTH 1/4 SECTION 11 - BROWN COUNTY SECTION 49E19
		TOTAL 0010	14	

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CONCRETE MEDIAN SLOPED NOSE

CATEGORY	STATION	LOCATION	620.0300 CONCRETE MEDIAN SLOPED NOSE SF
STAGE 2			
0010	59NB+44	MARLEY ST, NB, LT	20
0010	59SB+20	MARLEY ST, SB, RT	35
0010	61NB+13	MARLEY ST, NB, LT	35
0010	60SB+87	MARLEY ST, SB, RT	20
0010	63SB+61	MARLEY ST, MEDIAN	35
0010	597EGE+76	EVERGREEN AVE, MEDIAN	60
0010	598EGE+44	EVERGREEN AVE, EB, LT	20
0010	598EGW+49	EVERGREEN AVE, WB, RT	35
0010	600EGE+12	EVERGREEN AVE, EB, LT	35
0010	600EGW+07	EVERGREEN AVE, WB, RT	20
0010	609EGE+86	EVERGREEN AVE, MEDIAN	50
0010	610EGE+79	EVERGREEN AVE, MEDIAN	55
0010	622EGE+92	EVERGREEN AVE, MEDIAN	55
0010	623EGE+78	EVERGREEN AVE, MEDIAN	40
0010	630EGE+05	EVERGREEN AVE, MEDIAN	55
0010	631EGE+10	EVERGREEN AVE, MEDIAN	60
0010	634EGE+75	EVERGREEN AVE, MEDIAN	225
		STAGE 2 SUBTOTAL	855
STAGE 4			
0010	29NB+65	CTHVV, MEDIAN	60
0010	31NB+58	CTH VV, NB, LT	20
0010	31SB+61	CTH VV, SB, RT	35
0010	33NB+26	CTH VV, NB, LT	35
0010	33SB+26	CTH VV, SB, RT	20
0010	100CE+12	CTH TS, EB, LT	35
0010	100CW+07	CTH TS, WB, RT	15
0010	41NB+81	CTH VV, NB, LT	20
0010	41SB+68	CTH VV, SB, RT	35
0010	216RA+48	RAMP A, LT	20
0010	300RB+10	RAMP B, LT	35
0010	43NB+50	CTH VV, NB, LT	35
0010	43SB+37	CTH VV, SB, RT	20
0010	48NB+71	MARLEY ST, NB, LT	20
0010	48SB+59	MARLEY ST, NB, RT	35
0010	525RD+72	RAMP D, RT	35
0010	400RC+09	RAMP C, RT	20
0010	50NB+41	MARLEY ST, NB, LT	35
0010	50SB+25	MARLEY ST, SB, RT	20
		STAGE 4 SUBTOTAL	550
STAGE 4			
0010	64NB+30	MARLEY ST, NB, LT	85
		STAGE 5 SUBTOTAL	85
		TOTAL 0010	1,490

SILT FENCE

CATEGORY	STATION	TO	STATION	LOCATION	* 628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
STAGE 1						
0010	37NB+00	-	546EB+00	CTH VV, RT	780	1,560
0010	37NB+00	-	538EB+00	CTH VV, LT	565	1,130
0010	538EB+00	-	44SB+90	CTH VV, LT	345	690
0010	52NB+00	-	602EGE+00	MARLEY ST, RT	910	1,820
0010	52NB+00	-	58NB+00	MARLEY ST, lt	600	1,200
0010	102CE+00	-	115CE+00	CTH TS, LT	1,160	2,320
0010	102CE+00	-	115CE+00	CTH TS, RT	1,740	3,480
0010	115CW+00	-	119CW+75	CTH TS, LT	510	1,020
0010	115CW+00	-	119CW+75	CTH TS, LT	520	1,040
0010	602EGE+00	-	615EGE+00	EVERGREEN AVE, LT	1,220	2,440
0010	602EGE+00	-	615EGE+00	EVERGREEN AVE, RT	1,395	2,790
0010	615EGE+00		702CN+00	EVERGREEN AVE, RT	965	1,930
0010	702CN+00	-	630EGE+00	EVERGREEN AVE, RT	790	1,580
0010	615EGE+00	-	630EGE+00	EVERGREEN AVE, LT	1,445	2,890
0010	630EGE+00	-	642EGE+50	EVERGREEN AVE, LT	2,635	5,270
0010	630EGE+00	-	642EGE+50	EVERGREEN AVE, RT	645	1,290
0010	702CT+00	-	706CT+10	CONNECTION RD, LT	320	640
0010	201RA+90	-	213RA+65	RAMP A, RT	1,210	2,420
0010	208RA+00	-	213RA+65	RAMP A, LT	535	1,070
0010	304RB+10	-	311RB+60	RAMP B, LT	805	1,610
0010	305RB+35	-	OVERLAND RD	RAMP B, RT	530	1,060
0010	52NB+00	-	546WB+00	RAMP C, RT	200	400
0010	402RC+65	-	412RC+50	RAMP C, LT	950	1,900
0010	403RC+30	-	409RC+00	RAMP C, RT	580	1,160
0010	538WB+00	-	52NB+00	RAMP D, RT	335	670
0010	509RD+60	-	522RD+20	RAMP D, LT	1,285	2,570
0010	513RD+60	-	522RD+20	RAMP D, RT	845	1,690
0010	538EB+00	-	540WB+70	STH 29, WB, LT	370	740
0010	543WB+20	-	546WB+00	STH 29, WB, LT	360	720
0010	544EB+00	-	546EB+00	STH 29, EB, RT	495	990
0010	555WB+00	-	702CT+00	STH 29, WB, LT	665	1,330
0010	563WB70	-	567WB+20	STH 29, WB, LT	445	890
0010				BORROW PIT	4,000	8,000
0010				UNDISTRIBUTED	5,945	11,890
				STAGE 1 SUBTOTALS	36,100	72,200
STAGE 2						
0010	58NB+00	-	65NB+25	MARLEY ST, LT	800	1,600
0010	602EGE+00	-	65NB+25	MARLEY ST, RT	380	760
0010	712CT+00	-	717CT+65	CONNECTION RD, LT	535	1,070
0010	712CT+00	-	717CT+65	CONNECTION RD, RT	535	1,070
0010	559WB+87	-	563WB+00	STH 29, WB, LT	650	1,300
0010				UNDISTRIBUTED	780	1,560
				STAGE 2 SUBTOTALS	3,680	7,360

*QUANTITIES SHOWN ELSEWHERE IN PROJECT 9200-10-72

SILT FENCE (CONTINUED)

CATEGORY	STATION	TO	STATION	LOCATION	* 628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
STAGE 4						
0010	27SB+00	-	36SB+90	CTH VV, LT	1,200	2,400
0010	27SB+00	-	102CE+00	CTH VV, RT	655	1,310
0010	102CE+00	-	37NB+00	CTH VV, RT	580	1,160
0010				UNDISTRIBUTED	565	1,130
				STAGE 4 SUBTOTALS	3,000	6,000
STAGE 5						
0010	516WB+00	-	525WB+60	STH 29, WB, LT	955	1,910
0010	524EB+20	-	526EB+55	STH 29, EB, RT	240	480
0010	OVERLAND RD	-	313RB+10	RAMP B, RT	545	1,090
0010	555EB+00	-	565EB+60	STH 29, EB, RT	1,205	2,410
0010				UNDISTRIBUTED	655	1,310
				STAGE 5 SUBTOTALS	3,600	7,200
STAGE 6						
0010	479EB+65	-	488EB+00	STH 29, EB, RT	840	1,680
0010	486WB+65	-	492WB+35	STH 29, WB, LT	575	1,150
0010	703XCL+35	-	705XCL+73	CTH U, RT	200	400
0010	709XCL+80	-	717XCL+50	CTH U, RT	775	1,550
0010	710XCL+50	-	717XCL+50	CTH U, LT	840	1,680
0010	100OH+00	-	103OH+50	OLD HWY 29, LT	1,295	2,590
0010	105OH+40	-	103OH+50	OLD HWY 29, RT	835	1,670
0010	576WB+50	-	579WB+55	STH 29, WB, LT	330	660
0010				UNDISTRIBUTED	1,230	2,460
				STAGE 6 SUBTOTALS	6,920	13,840
				TOTAL 0010	53,300	106,600

*QUANTITIES SHOWN ELSEWHERE IN PROJECT 9200-10-72

DUST CONTROL SURFACE TREATMENT

CATEGORY	LOCATION	623.0200 DUST CONTROL SURFACE TREATMENT SY
0010	UNDISTRIBUTED	12,000
	TOTAL 0010	12,000

TEMPORARY DITCH CHECKS

CATEGORY	STATION	LOCATION	* 628.7504 TEMPORARY DITCH CHECKS LF	REMARKS
STAGE 1				
0010	540EB+70	STH 29, EB, RT	30	EX. DITCH
0010	540WB+70	STH 29, WB, LT	30	EX. DITCH
0010	543WB+15	STH 29, WB, LT	30	EX. DITCH
0010	544EB+15	STH 29, EB, RT	30	EX. DITCH
0010		UNDISTRIBUTED	180	
			300	
STAGE 2				
0010	408RC+00	RAMP C, RT	30	EX. DITCH
0010		UNDISTRIBUTED	70	
			100	
STAGE 4				
0010	540EB+70	STH 29, EB, LT	30	EX. DITCH
0010	500OL+25	OVERLAND RD, LT & RT	30	END LIMITS
0010	500OL+80	OVERLAND RD, RT	30	END LIMITS
0010		UNDISTRIBUTED	70	
			160	
STAGE 5				
0010		UNDISTRIBUTED	40	
			40	
STAGE 6				
0010	113OH+50	OLD HWY 29, LT & RT	50	END LIMITS
0010	100OH+00	OLD HWY 29, LT & RT	50	END LIMITS
0010	717XCL+40	CTH U, LT	30	EX. DITCH
0010	566EB+30	STH 29, EB, LT	30	EX. DITCH
0010	567WB+50	STH 29, WB, LT	30	EX. DITCH
0010	580EB+00	STH 29, EB, LT	30	EX. DITCH
0010		UNDISTRIBUTED	80	
			300	
		TOTAL 0010	900	

*QUANTITIES SHOWN ELSEWHERE IN PROJECT 9200-10-72

MOBILIZATIONS EROSION CONTROL

CATEGORY	LOCATION	* 628.1905 MOBILIZATIONS EROSION CONTROL EACH	* 628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	STAGE 1	4	3
0010	STAGE 2	6	2
0010	STAGE 3	2	6
0010	STAGE 4	5	3
0010	STAGE 5	3	2
0010	STAGE 6	4	2
	TOTAL 0010	24	18

*QUANTITIES SHOWN ELSEWHERE IN PROJECT 9200-10-72

SOIL STABILIZER

CATEGORY	STATION	TO	STATION	LOCATION	628.6510 SOIL STABILIZER TYPE B ACRE
STAGE 3					
0010	205RA+00	-	216RA+25	RAMP A	1
0010	300RB+25	-	312RB+00	RAMP B	1
0010	400RC+50	-	411RC+00	RAMP C	1
0010	513RD+00	-	525RD+00	RAMP D	1
0010	100CW+50	-	119CW+76	CTH TS	4
0010	36NB+00	-	45NB+00	CTH VV	4
0010	47NB+25	-	58NB+00	MARLEY ST	4
				TOTAL 0010	16

NOTE: USE FOR WINTER STABILIZATION ON UNPLANTED AREAS

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			INLET PROTECTION				
			*	*	*	*	
			628.7005	628.7010	628.7015	628.7020	
			INLET PROTECTION	INLET PROTECTION	INLET PROTECTION	INLET PROTECTION	
			TYPE A	TYPE B	TYPE C	TYPE D	
CATEGORY	STATION	LOCATION	EACH	EACH	EACH	EACH	REMARKS
STAGE 1							
0010	58NB+25	MARLEY ST, NB & SB	8	-	8	-	
0010	103CE+06	CTH TS, EB & WB	4	-	4	-	
0010	106CE+04	CTH TS, EB & WB	4	-	4	-	
0010	109CE+16	CTH TS, EB & WB	4	-	4	-	
0010	112CE+39	CTH TS, EB & WB	6	-	6	-	
0010	117CE+14	CTH TS, EB & WB	6	-	6	-	
0010	602EGE+25	EVERGREEN AVE, EB & WB	4	-	4	-	
0010	604EGE+19	EVERGREEN AVE, EB & WB	6	-	6	-	
0010	609EGE+74	EVERGREEN AVE, EB & WB	4	-	4	-	
0010	613EGE+42	EVERGREEN AVE, EB & WB	4	-	4	-	
0010	616EGE+22	EVERGREEN AVE, EB & WB	6	-	6	-	
0010	618EGE+00	EVERGREEN AVE, EB & WB	4	-	4	-	
0010	623EGW+07	EVERGREEN AVE, EB & WB	4	-	4	-	
0010	624EGE+11	EVERGREEN AVE, EB & WB	6	-	6	-	
0010	627EGE+00	EVERGREEN AVE, RT	4	-	4	-	
0010	629EGE+87	EVERGREEN AVE, LT	4	-	4	-	
0010	632EGE+25	EVERGREEN AVE, RT	4	-	4	-	
0010	634EGE+67	EVERGREEN AVE, LT	4	-	4	-	
0010		UNDISTRIBUTED	6	1	8	5	FOR ALL STAGES
		STAGE 1 SUBTOTALS	92	1	94	5	
STAGE 2							
0010		MARLEY-EVERGREEN RAB	6	-	6	-	
0010	63NB+50	MARLEY ST, NB & SB	4	-	4	-	
0010	64NB+75	MARLEY ST, NB & SB	4	-	4	-	
0010	598EGE+00	EVERGREEN AVE, MEDIAN	2	-	2	-	
		STAGE 2 SUBTOTALS	16	0	16	0	
STAGE 4							
0010	29SB+65	CTH VV, NB & SB	4	-	4	-	
0010	31NB+25	CTH VV, NB, RT	1	1	-	-	
0010		CTH VV-CTH TS RAB	6	-	3	-	
0010	33NB+90	CTH VV, NB & SB	6	-	6	-	
0010	36NB+60	CTH VV, NB & SB	4	-	4	-	
0010	39NB+30	CTH VV, LT & RT	4	-	4	-	
0010		CTH VV-RAMP AB RAB	8	-	8	-	
0010	44NB+72	CTH VV, NB & SB	2	-	2	-	
0010		MARLEY-RAMP CD RAB	6	-	6	-	
0010	53NB+25	MARLEY ST, NB & SB	4	-	4	-	
0010	56NB+20	MARLEY ST LT & RT	4	-	4	-	
		STAGE 4 SUBTOTALS	49	1	45	0	
STAGE 6							
0010	488EB+35	STH 29, EB, LT	1	1	-	-	
0010	562EB+90	STH 29, EB, LT	1	1	-	-	
0010	578EB+90	STH 29, EB, LT	1	1	-	-	
		STAGE 6 SUBTOTALS	3	3	0	0	
		TOTAL 0010	160	5	155	5	

*QUANTITIES SHOWN ELSEWHERE IN PROJECT 9200-10-72

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CULVERT PIPE CHECKS

CATEGORY	STATION	LOCATION	* 628.7555 CULVERT PIPE CHECKS EACH	REMARKS
STAGE 1				
0010	544EB+40	STH 29, EB, RT	5	NEW PIPE
0010	544WB+40	STH 29, WB, LT	3	EX. 24" CMP
0010	704CT+10	CONNECTION RD, RT	3	NEW PIPE
0010	704CT+85	CONNECTION RD, LT	3	NEW PIPE
0010	209RA+25	RAMP A, LT	5	EX. 30" CMP
0010	519RD+50	RAMP D, LT	5	NEW PIPE
0010		UNDISTRIBUTED	6	
		STAGE 1 SUBTOTAL	30	
STAGE 2				
0010	600EGE+60	EVERGREEN AVE, EB, LT	3	NEW PIPE
0010	637EGE+00	EVERGREEN AVE, EB, RT	3	NEW PIPE
0010	637EGE+80	EVERGREEN AVE, EB, RT	3	NEW PIPE
0010	638EGE+50	EVERGREEN AVE, EB, RT	3	NEW PIPE
0010	640EGE+40	EVERGREEN AVE, EB, RT	3	NEW PIPE
0010	707CT+40	CONNECTION RD, LT	3	EX. 18" CMP
0010	708CT+40	CONNECTION RD, LT	3	NEW PIPE
0010	799M+05	MILLWOOD CT, RT	3	NEW PIPE
0010		UNDISTRIBTUED	6	
		STAGE 2 SUBTOTAL	30	
STAGE 4				
0010	36SB+30	CTH VV, SB, LT	5	NEW PIPE
0010		UNDISTRIBTUED	10	
		STAGE 4 SUBTOTAL	15	
STAGE 5				
0010		OVERLAND RD, RT	3	EX. 18" CMP
0010		UNDISTRIBTUED	2	
		STAGE 5 SUBTOTAL	5	
STAGE 6				
0010	490WB+00	STH 29, WB, RT	3	EX. 24" RCP
0010	101OH+20	CTH U, RT	3	EX. 12" CMP
0010	102OH+35	CTH U, LT	3	EX. 18" CMP
0010	103OH+40	CTH U, RT	3	EX. 18" CMP
0010	556WB+40	STH 29, WB, RT	3	EX. 18" RCP
0010	560EB+90	STH 29, EB, RT	3	EX. 24" RCP
0010	566EB+00	STH 29, EB, LT	3	EX. PIPE
0010	576EB+00	STH 29, EB, LT	3	EX. PIPE
0010	576EB+40	STH 29, EB, LT	3	EX. 18" CMP
0010	578WB+90	STH 29,WB, LT	5	EX. 30" RCP
0010	579EB+40	STH 29, EB, LT	3	EX. 18" PIPE
0010		UNDISTRIBTUED	5	
		STAGE 6 SUBTOTAL	40	
		TOTAL 0010	120	

*QUANTITIES SHOWN ELSEWHERE IN PROJECT 9200-10-72

TRACKING PADS

CATEGORY	LOCATION	628.7560 TRACKING PADS EACH
STAGE 1		
0010	MILLTOWN RD	1
0010	MARLEY ST	1
0010	CTH VV	1
0010	OVERLAND RD	1
0010	BORROW SITE	2
0010	UNDISTRIBUTED	2
	STAGE 1 SUBTOTAL	8
STAGE 2		
0010	MILLTOWN RD	1
0010	MARLEY ST	1
0010	CTH VV	1
0010	UNDISTRIBUTED	1
	STAGE 2 SUBTOTAL	4
STAGE 4		
0010	CTH VV	1
0010	UNDISTRIBUTED	2
	STAGE 4 SUBTOTAL	3
STAGE 6		
0010	OLD HWY 29	1
0010	CTH U	1
	STAGE 6 SUBTOTAL	2
	TOTAL 0010	17

ROCK BAGS

CATEGORY	STATION	LOCATION	* 628.7570 ROCK BAGS EACH	REMARKS
STAGE 1				
0010	108CW+00	CTH TS, WB, LT	15	DITCH
0010	110CW+00	CTH TS, WB, LT	15	DITCH
0010	113CW+10	CTH TS, WB, LT	15	DITCH
0010	116CW+00	CTH TS, WB, LT	15	DITCH
0010	608EGE+00	EVERGREEN AVE, EB, RT	15	DITCH
0010	612EGE+00	EVERGREEN AVE, EB, RT	15	DITCH
0010	616EGE+00	EVERGREEN AVE, EB, RT	15	SILT FENCE
0010	618EGE+00	EVERGREEN AVE, EB, RT	15	SILT FENCE
0010	620EGE+00	EVERGREEN AVE, EB, RT	15	SILT FENCE
0010	209RA+45	RAMP A, LT	15	DITCH
0010	544EB+40	STH 29, EB, RT	15	DITCH
0010	560WB+00	STH 29, WB, LT	20	DITCH
0010		BORROW PIT	100	
0010		UNDISTRIBUTED	115	
		STAGE 1 SUBTOTAL	400	
STAGE 2				
0010	708CT+80	CONNECTION RD, LT	15	DITCH
0010	709CT+30	CONNECTION RD, LT	15	DITCH
0010	798M+15	MILLWOOD CT, LT & RT	30	DITCH
0010		UNDISTRIBUTED	40	
		STAGE 2 SUBTOTAL	100	
STAGE 4				
0010	27SB+00	CTH VV, SB, LT & RT	30	DITCH
0010		UNDISTRIBUTED	20	
		STAGE 4 SUBTOTAL	50	
STAGE 5				
0010	524EB+75	STH 29, EB, RT	15	DITCH
0010	530EB+00	STH 29, EB, RT	15	DITCH
0010		UNDISTRIBUTED	20	
		STAGE 5 SUBTOTAL	50	
STAGE 6				
0010	486WB+35	STH 29, WB, LT	15	SILT FENCE
0010	489WB+00	STH 29, WB, LT	15	DITCH
0010	578WB+50	STH 29, WB, LT	15	SILT FENCE
0010	106OH+00	OLD HWY 29, RT	15	DITCH
0010		UNDISTRIBUTED	40	
		STAGE 6 SUBTOTAL	100	
		TOTAL 0010	700	

*QUANTITIES SHOWN ELSEWHERE IN PROJECT 9200-10-72

FINISHING

CATEGORY	STATION	TO	STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.2004 EROSION MAT CLASS I TYPE B SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.2037 EROSION MAT CLASS III TYPE C SY	629.0210 FERTILIZER TYPE B CWT	630.0110 SEEDING MIXTURE NO. 10 LB	630.0120 SEEDING MIXTURE NO. 20 LB	630.0130 SEEDING MIXTURE NO. 30 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0175 SEEDING MIXTURE NO. 75 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL	REMARKS
STAGE 1																		
0010	90PEG+17	-	96PEG+72	EVERGREEN POND	13,025	-	6,025	7,000	225	9	-	355	-	-	-	-	55	
				STAGE 1 SUBTOTALS	13,025	0	6,025	7,000	225	9	0	355	0	0	0	0	55	
STAGE 2																		
0010	38NB+00	-	45NB+00	CTH VV, LT & RT	13,370	-	12,120	1,250	-	9	-	330	-	25	-	-	55	
0010	47NB+25	-	54NB+00	MARLEY ST, LT & RT	13,820	-	12,220	1,600	-	9	-	330	-	30	-	-	60	
0010	54NB+00	-	66NB+00	MARLEY ST, LT & RT	12,335	-	9,895	2,440	-	8	-	270	-	45	-	-	55	
0010	206RA+00	-	215RA+80	RAMP A, LT & RT	13,000	-	13,000	-	-	9	-	355	-	-	-	-	55	
0010	300RB+50	-	311RB+00	RAMP B, LT & RT	14,070	-	14,070	-	-	10	-	380	-	-	-	-	60	
0010	400RC+60	-	410RC+00	RAMP C, LT & RT	14,088	-	14,088	-	-	2	-	80	-	-	-	-	15	
0010	514RD+00	-	525RD+00	RAMP D, LT & RT	15,825	-	15,825	-	-	10	-	430	-	-	-	-	65	
0010	600EGE+25	-	601EGE+50	EVERGREEN AVE, LT & RT	780	-	415	365	-	1	-	15	-	10	-	-	5	
0010	601EGE+50	-	634EGE+50	EVERGREEN AVE, LT & RT	22,900	-	9,625	13,275	-	15	-	265	-	245	-	-	95	
0010	634EGE+50	-	642EGE+50	EVERGREEN AVE, LT & RT	3,490	-	3,490	-	-	3	-	100	-	-	-	-	15	
0010	700CT+50	-	704CT+00	CONNECTION RD, LT & RT	1,930	-	1,930	-	-	3	-	55	-	-	-	-	10	
0010	704CT+00	-	709CT+25	CONNECTION RD, LT & RT	3,150	-	3,150	-	-	3	-	90	-	-	-	-	15	
0010	734XMM+19	-	735XMM+86	EXISTING MILLTOWN RD	1,255	-	1,255	-	-	1	-	35	-	-	-	-	5	
0010	798M+25	-	799M+35	MILLWOOD CT, LT & RT	225	-	225	-	-	1	-	10	-	-	-	-	5	
0010	70PVV+18	-	73PVV+23	CTH VV POND	5,250	-	1,510	3,740	100	4	-	50	-	-	25	-	25	
0010	80PTS+00	-	83PTS+00	CTH TS POND	5,600	-	2,200	3,400	100	4	-	65	-	-	25	-	25	
0010	711XMM+50	-	719XMM+80	EXISTING MARLEY ST	10,010	-	10,010	-	-	6	-	270	-	-	-	-	40	
0010	10MD+50	-	16MD+84	MARLEY DITCH	6,975	-	6,975	-	-	5	-	190	-	-	-	-	30	
				STAGE 2 SUBTOTALS	158,073	0	132,003	26,070	200	103	0	3,320	0	355	50	0	635	
STAGE 4																		
0010	27NB+00	-	38NB+00	CTH VV, LT & RT	14,600	-	12,250	2,350	-	10	-	335	-	45	-	-	60	
0010	100CE+50	-	119CE+75	CTH TS, LT & RT	19,160	-	11,135	8,025	-	12	-	305	-	150	-	-	80	
0010	768XT+40	-	771XT+08	EXISTING TRIANGLE DR	3,700	-	3,700	-	-	2	-	105	-	-	-	-	15	
0010	771XT+25	-	773XT+25	EXISTING TRIANGLE DR	850	-	850	-	-	1	-	25	-	-	-	-	5	
0010	752XO+55	-	754XO+20	EXISTING N. OVERLAND RD	1,210	-	1,210	-	-	1	-	35	-	-	-	-	5	
0010	540WB+75	-	547WB+65	STH 29, WB, LT & RT	2,390	-	2,390	-	-	2	-	35	25	-	-	-	15	
0010	540EB+75	-	544EB+50	STH 29, EB, LT & RT	1,960	-	1,960	-	-	2	-	35	15	-	-	-	15	
0010				BORROW PIT	-	95,000	5,000	-	-	64	1,350	140	-	-	-	-	-	FOR ALL STAGES
				STAGE 4 SUBTOTALS	43,870	95,000	38,495	10,375	0	94	1,350	1,015	40	195	0	0	195	
STAGE 5																		
0010	516WB+04	-	525WB+64	STH 29, WB, LT	3,450	-	3,450	-	-	3	10	80	-	-	-	-	15	
0010	524EB+19	-	526EB+58	STH 29, EB, RT	620	-	620	-	-	1	5	15	-	-	-	-	5	
0010	201RA+88	-	206RA+00	RAMP A, LT & RT	1,430	-	1,430	-	-	1	-	40	-	-	-	-	10	
0010	311RB+00	-	315RB+15	RAMP B, LT & RT	1,185	-	1,185	-	-	1	-	35	-	-	-	-	10	
0010	509RD+60	-	514RD+00	RAMP D, LT & RT	1,880	-	1,880	-	-	2	-	55	-	-	-	-	10	
0010	786XT+00	-	789XT+00	EXISTING TRIANGLE DR	3,300	-	3,300	-	-	2	-	90	-	-	-	-	15	
				STAGE 5 SUBTOTALS	11,865	0	11,865	0	0	10	15	315	0	0	0	0	65	

NOTE: SEEDING MIXTURE NO. 30 FOR MEDIAN

FINISHING (CONTINUED)

CATEGORY	STATION	TO	STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.2004 EROSION MAT CLASS I TYPE B SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.2037 EROSION MAT CLASS III TYPE C SY	629.0210 FERTILIZER TYPE B CWT	630.0110 SEEDING MIXTURE NO. 10 LB	630.0120 SEEDING MIXTURE NO. 20 LB	630.0130 SEEDING MIXTURE NO. 30 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0175 SEEDING MIXTURE NO. 75 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL	REMARKS
STAGE 6																		
0010	479EB+68	-	490EB+00	STH 29, EB, LT & RT	4,450	-	4,450	-	-	5	10	55	35	-	-	-	20	
0010	484WB+67	-	494WB+89	STH 29, WB, LT & RT	3,320	-	3,320	-	-	5	5	40	30	-	-	-	15	
0010	552EB+30	-	566EB+61	STH 29, EB, LT & RT	5,900	-	5,900	-	-	4	10	90	40	-	-	-	25	
0010	556WB+50	-	567WB+22	STH 29, WB, LT & RT	8,375	-	8,375	-	-	6	15	150	35	-	-	-	35	
0010	572EB+50	-	579EB+55	STH 29, EB, LT & RT	1,340	-	1,340	-	-	1	-	-	25	-	-	-	10	
0010	576WB+00	-	579WB+55	STH 29, WB, LT & RT	2,110	-	2,110	-	-	2	5	35	10	-	-	-	10	
0010	410RC+00	-	414RC+48	RAMP C, LT & RT	8,315	-	8,315	-	-	6	-	230	-	-	-	-	35	
0010	100OH+00	-	113OH+50	OLD HWY 29, LT & RT	9,220	-	9,220	-	-	6	-	250	-	-	-	-	35	
0010	705XCL+17	-	706XCL+51	EXISTING CTH U	2,620	-	2,620	-	-	1	-	70	-	-	-	-	10	
0010	709XCL+91	-	717XCL+50	EXISTING CTH U	7,700	-	7,700	-	-	3	-	100	-	-	-	-	20	
0010	716XOH+00	-	721XOH+65	EXISTING OLD HWY 29	5,080	-	5,080	-	-	4		60	-	-	-	-	20	
0010	544EB+00	-	553EB+00	STH 29, EB, LT	75	-	75	-	-	0.5	-	5	-	-	-	-	1	PULLBOX REMOVALS
0010	566WB+00	-	577WB+00	STH 29, WB, RT	125	-	125	-	-	0.5	-	5	-	-	-	-	1	PULLBOX REMOVALS
0010	-	-	-	EROSION CONTROL	-	-	-	-	-	38	-	-	-	-	-	-	-	FOR ALL STAGES
0010	-	-	-	UNDISTRIBUTED	28,547	20,010	60,492	10,855	105	77	390	1,485	65	150	15	500	313	FOR ALL STAGES
				STAGE 6 SUBTOTALS	87,177	20,010	119,122	10,855	105	159	435	2,575	240	150	15	500	550	
				TOTAL 0010	314,010	115,010	307,510	54,300	530	375	1,800	7,580	280	700	65	500	1,500	

NOTE: SEEDING MIXTURE NO. 30 FOR MEDIAN

ROUNDABOUT LANDSCAPING

CATEGORY	LOCATION	632.0101.01 TREES (SYRINGA RETICULATA, B&B, 2" CAL), IVORY SILK LILAC EACH	632.0101.02 TREES (JUNIPERUS CHINENSIS, B&B, 48" HT), SPARTAN JUNIPER EACH	632.0201.01 SHRUBS (PHYSOCARPUS OPULIFOLIUS 'MONLO', CG, #5) NINEBARK DIABOLO EACH	632.0201.02 SHRUBS (POTENTILLA FRUTICOAS, CG, #2), ABBOTSWOOD POTENTILLA EACH	SPV.0060.40 GRASSES, FEATHER REED GRASS (KARL FOERSTER), CG, #1 EACH	SPV.0060.41 PERENNIALS, RUSSIAN SAGE, CG, #1 EACH	SPV.0060.42 PERENNIALS, PROFESSOR KIPPENBEG ASTER, CG, #1 EACH	SPV.0060.43 PERENNIALS, PURPLE GAS PLANT, CG, #1 EACH	SPV.0060.44 PERENNIALS, BUTTERFLY FLOWER, CG, #1 EACH	SPV.0060.45 PERENNIALS, 'BRAVADO' CONEFLOWER, CG, #1 EACH	SPV.0060.46 PERENNIALS, 'FIREBALL' MONARDA, CG, #1 EACH	SPV.0060.47 PERENNIALS, 'AUTUMN FIRE' SEDUM, CG, #1 EACH	SPV.0060.48 PERENNIALS, 'STELLA D' ORO' DAYLILLY, CG, #1 EACH	SPV.0060.49 PERENNIALS, 'AUTUMN JOY', SEDUM, CG, #1 EACH	SPV.0060.50 PERENNIALS, MOONSHINE YARROW, CG, #1 EACH
0010	CTH VV-CTH TS RAB	-	4	8	-	49	60	-	-	-	-	-	-	140	232	96
0010	CTH VV-RAMP AB RAB	-	4	8	-	44	59	-	-	-	-	-	-	120	211	87
0010	MARLEY-RAMP CD RAB	3	-	-	36	-	13	25	24	11	43	38	52	130	-	-
0010	MARLEY-EVERGREEN RAB	3	-	-	36	-	16	27	25	14	53	41	71	119	-	-
	TOTAL 0010	6	8	16	72	93	148	52	49	25	96	79	123	509	443	183

ROUNDABOUT CARE CYCLES, SOIL MIXTURE, AND MULCH

CATEGORY	LOCATION	632.9101 LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES EACH	SPV.0035.01 PLANTING SOIL MIXTURE CY	SPV.0180.01 HARDWOOD MULCH SY
0010	CTH VV-CTH TS RAB	-	250	370
0010	CTH VV-RAMP AB RAB	-	235	350
0010	MARLEY-RAMP CD RAB	-	235	350
0010	MARLEY-EVERGREEN RAB	-	250	370
	UNDISTRIBUTED	12	-	-
	TOTAL 0010	12	970	1,440

DELINEATOR ITEMS

CATEGORY	LOCATION	633.0100 DELINEATOR POSTS STEEL EACH	633.0500 DELINEATOR REFLECTORS EACH
0010	RAMP A	15	20
0010	STH 29, RAMP A TO RAMP B	7	7
0010	RAMP B	25	38
0010	RAMP C	15	20
0010	STH 29, RAMP C TO RAMP D	7	7
0010	RAMP D	25	38
0010	STH 29, EAST RCUT	1	1
0010	STH 29/CTH U	5	5
	TOTAL 0010	100	136

DETENTION POND PLANTINGS

CATEGORY	LOCATION	SPV.0060.60 PLANTING POD EACH	SPV.0060.61 SUBMERGENT WETLAND PLANTINGS EACH	SPV.0060.62 EMERGENT WETLAND PLANTINGS EACH
0010	EVERGREEN POND	38	755	1,520
	TOTAL 0010	38	755	1,520

POND LINER CLAY

CATEGORY	LOCATION	640.1303.S POND LINER CLAY CY
0010	CTH TS POND	1,375
0010	CTH VV POND	1,710
0010	EVERGREEN POND	4,335
	TOTAL 0010	7,420

TRAFFIC CONTROL

CATEGORY	STAGE	DAYS	643.0300 DRUMS DAY	* 643.0420 BARRICADES TYPE III DAY	* 643.0705 WARNING LIGHTS TYPE A DAY	643.0715 WARNING LIGHTS TYPE C DAY	643.0800 ARROW BOARDS DAY	* 643.0900 SIGNS DAY	* 643.1050 SIGNS PCMS DAY	643.5000 TRAFFIC CONTROL EACH	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF
9200-10-71												
0010	STAGE 1	78	4,446	468	702	-	-	2,184	-	-	-	-
0010	STAGE 2A	21	987	504	756	189	-	672	21	-	-	-
0010	STAGE 2B	90	3,420	2,610	3,780	-	-	2,970	-	-	-	-
0010	STAGE 2C	14	266	504	588	-	-	448	-	-	-	-
0010	STAGE 3A	27	702	471	591	642	120	2,124	20	-	3,200	3,200
0010	STAGE 3B	135	568	2,049	2,478	2,520	552	8,799	30	-	-	-
0010	STAGE 4A	49	440	1,188	1,592	392	208	3,687	28	-	-	-
0010	STAGE 4B	90	-	2,160	2,880	-	-	2,790	-	-	-	-
0010	STAGE 5A	44	4,396	1,012	1,496	1,844	176	3,652	102	-	-	-
0010	STAGE 5B	14	798	224	378	560	56	182	28	-	-	-
0010	STAGE 6A	14	1,414	546	854	868	56	700	42	-	-	-
0010	STAGE 6B	50	16,042	2,400	4,300	4,542	200	4,700	107	-	-	-
0010	STAGE 6C	14	1,330	126	182	784	-	126	28	-	-	-
0010	TEMPORARY CONNECTION RD	286	12,870	1,430	1,716	-	-	858	-	-	-	-
0010	MARLEY ST TEMPORARY CONNECTION	359	8,975	1,077	2,154	7180	-	1,436	-	-	-	-
0010	ENTIRE PROJECT		-	-	-	-	-	-	-	1	-	-
0010	UNDISTRIBUTED		8,546	2,497	3,685	2,979	2,232	9,256	80	-	-	-
		TOTAL 0010	65,200	19,266	28,132	22,500	3,600	44,584	486	1	3,200	3,200

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

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REMOVING TYPE II SIGNS AND REMOVING SMALL SIGN SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
1	STH 29/32, W. OF CTH U	D10-3	1	1	
2	"	D10-3	1	1	
3	"	R2-1	1	2	
4	"	J1-1	1	1	
5	"	J1-1	1	1	
6	"	D1-1	1	2	
7	"	D1-3	1	3	
8	"	J4-2	1	2	
9	"	J3-1	1	1	
10	"	R5-1A	1	1	
11	STH 29/32, AT CTH U	R6-1L	1	1	ALSO REMOVE R1-2
12	"	R6-1L	1	1	ALSO REMOVE R1-2
13	"	R5-1	1	1	
14	"	J3-1	1	1	
15	"	R5-1	---	---	PART OF REMOVAL FOR SIGN #14
16	"	R6-1L	1	1	ALSO REMOVE R1-2
17	"	R5-1	1	1	
18	CTH U, AT STH 29/32	R4-7	1	1	
19	"	R3-2	---	---	PART OF REMOVAL FOR SIGN #18
20	CTH U	D1-1	1	2	
21	OLD WIS 29	W3-1	1	1	
22	"	W1-6	1	1	
23	CTH U, AT STH 29/32	J13-2	1	2	
24	"	R1-1	1	1	ALSO REMOVE R6-1R
25	"	R1-1	1	1	ALSO REMOVE R6-1R
26	"	R4-7	1	1	
27	"	R3-2	1	1	
28	"	R4-7	---	---	PART OF REMOVAL FOR SIGN #27
29	STH 29/32, AT CTH U	R6-1R	---	---	PART OF REMOVAL FOR SIGN #11
30	CTH U	J4-1	1	1	
31	"	D1-1	1	2	
32	"	R4-7	1	1	
32A	"	R2-1	1	1	
33	CTH U, AT STH 29/32	R6-1R	1	1	ALSO REMOVE R1-2
34	"	R6-1R	1	1	ALSO REMOVE R1-2
35	"	J13-2	1	2	
36	STH 29/32, AT CTH U	R6-1R	---	---	PART OF REMOVAL FOR SIGN #37
37	"	R6-1L	1	1	ALSO REMOVE R1-2
38	"	R5-1	1	1	
39	"	J3-1	---	---	PART OF REMOVAL FOR SIGN #38
	PAGE SUBTOTALS		34	43	

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REMOVING TYPE II SIGNS AND REMOVING SMALL SIGN SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
40	STH 29/32, E. OF CTH U	R5-1A	1	1	
41	"	J3-1	1	1	
42	"	D1-1	1	2	
43	"	J4-2	1	2	
44	"	D1-3	1	3	
45	"	I2-3A	1	2	
46	"	J1-1	1	1	
47	"	J1-1	1	1	
48	"	R2-1	1	2	
49	STH 29/32, W. OF CTH VV	R2-1	1	2	
50	"	R5-1A	1	1	
51	"	R5-1	1	1	
52	"	J4-2	1	2	
53	STH 29/32, AT CTH VV TURNAROUND	R3-18	1	1	
54	"	R6-2L	1	1	
55	"	R6-1L	1	1	ALSO REMOVE R1-2
56	"	R5-1	1	1	
57	"	J2-3	1	2	
58	STH 29/32, W. OF CTH VV	J4-2	1	2	
59	"	R2-1	1	2	
60	OVERLAND RD CUL DE SAC	W5-56	1	2	
61	STH 29/32, W. OF CTH VV	J1-1	1	1	
61A	"	D1-1	1	2	
62	MARLEY ST	W1-6	1	1	
63	"	W1-6	1	1	
64	STH 29/32, W. OF CTH VV	J2-2	1	2	
65	"	J2-3	1	3	
66	CTH VV	R10-64B	1	1	
67	"	I2-3	1	1	ALSO REMOVE R7-66
68	"	W1-6	1	1	
69	STH 29/32, W. OF CTH VV	R5-1A	1	1	
70	"	J2-2	1	2	
71	"	J2-3	1	3	
72	MARLEY ST	R2-1	1	1	
	PAGE SUBTOTALS		34	53	

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REMOVING TYPE II SIGNS AND REMOVING SMALL SIGN SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
73	MARLEY ST, AT STH 29/32	J13-3	1	3	
74	"	R1-1	1	1	ALSO REMOVE R6-1R
75	"	R4-7	1	1	
76	MARLEY ST, AT MILLTOWN RD	W1-7	1	1	ALSO REMOVE D1-2
77	"	I2-3	1	1	ALSO REMOVE R7-66
78	MARLEY ST, AT STH 29/32	R1-1	1	1	ALSO REMOVE R6-1R
79	MARLEY ST, AT MILLTOWN RD	R1-1	1	1	
80	"	D1-1	1	2	
81	MARLEY ST, AT STH 29/32	R3-2	1	1	
82	"	R4-7	---	---	PART OF REMOVAL FOR SIGN #81
83	STH 29/32, AT CTH VV/MARLEY ST	R5-1	1	1	
84	"	R1-2	1	1	ALSO REMOVE R6-1R
85	"	R5-1	1	1	
86	"	R1-2	1	1	ALSO REMOVE R6-1L
87	MILLTOWN RD	R2-1	1	1	
88	MARLEY ST, AT STH 29/32	R6-1L	---	---	PART OF REMOVAL FOR SIGN #78
89	STH 29/32, W. OF CTH VV	R5-1	1	1	
90	STH 29/32, AT CTH VV/MARLEY ST	R6-1R	---	---	PART OF REMOVAL FOR SIGN #91
91	"	R1-2	1	1	ALSO REMOVE R6-1L
92	"	J13-1	1	1	
93	"	R1-2	1	1	ALSO REMOVE R6-1L
94	"	R6-1R	---	---	PART OF REMOVAL FOR SIGN #86
95	CTH VV, AT STH 29/32	R4-7	1	1	
96	"	R3-2	---	---	PART OF REMOVAL FOR SIGN #95
97	"	R4-7	1	1	
98	"	R1-1	1	1	ALSO REMOVE R6-1R
99	"	R6-1L	---	---	PART OF REMOVAL FOR SIGN #98
100	"	R1-1	1	1	ALSO REMOVE R6-1R
	PAGE SUBTOTALS		22	25	

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REMOVING TYPE II SIGNS AND REMOVING SMALL SIGN SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
101	CTH VV, AT STH 29/32	J13-2	1	2	
102	STH 29/32, E. OF CTH VV	J2-2	1	2	
103	"	J2-2	1	2	
104	"	R5-1	1	1	
105	"	J13-1	1	1	
106	"	R5-1A	1	1	
107	MILLTOWN RD	W1-6	1	1	
108	"	W1-6	---	---	PART OF REMOVAL FOR SIGN #107
109	STH 29/32, E. OF CTH VV	D1-1	1	2	
110	"	R2-1	1	2	
111	"	J3-2	1	2	
112	"	J3-2	1	2	
113	"	J4-2	1	2	
114	STH 29/32, AT CTH VV TURNAROUND	J3-2	1	2	
115	"	R1-2	1	1	ALSO REMOVE R6-1L
116	"	R5-1	1	1	
117	"	R6-2L	1	1	
118	STH 29/32, E. OF CTH VV	R5-1	1	1	
119	"	R3-18	1	1	
120	"	J4-2	1	2	
120A	"	R2-1	1	2	
121	"	R5-1A	1	1	
122	CTH U, S. OF STH 29/32	I2-2R	1	2	
123	OLD WIS 29	R1-1	1	1	
124	"	W1-6	1	1	
125	"	W1-4R	1	1	ALSO REMOVE W13-1
126	CTH U, S. OF STH 29/32	I2-3	1	1	ALSO REMOVE R7-66
127	CTH U, N. OF STH 29/32	W3-1	1	1	
128	GLENDALE AVE	R1-1	1	1	
129	VACANT	---	---	---	
130	"	R1-1	1	1	
131	CTH U, N. OF GLENDALE AVE	R2-1	1	1	
132	MARLEY ST, S. OF MILLWOOD CT	W1-2L	1	1	
133	"	R2-1	1	1	
134	MILLWOOD CT	R1-1	1	1	
134A	"	W14-1	1	1	
135	CTH VV, W. OF OVERLAND RD	W2-1	1	1	
136	OVERLAND RD	R1-1	1	1	
137	VACANT	---	---	---	
138	CTH VV, E. OF OVERLAND RD	W3-1	1	1	
139	MILLTOWN RD	W1-2R	1	1	
	PAGE SUBTOTALS		38	50	
	PROJECT TOTALS		**128**	**171**	

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SUMMARY OF TYPE II SIGNS AND SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2220 SIGNS TYPE II REFLECTIVE SH S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0612 POSTS WOOD 4x6x12 EACH	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	634.0812 POSTS TUBE STEEL 2x2x12 EACH	REMARKS
207	"	W1-6	48" X 24"	---	---	8.00	---					
208	"	W1-4R	30" X 30"	---	---	6.25	---	1				
209	VACANT	---	---	---	---	---	---	---	---	---		
210	VACANT	---	---	---	---	---	---	---	---	---		
211	VACANT	---	---	---	---	---	---	---	---	---		
212	VACANT	---	---	---	---	---	---	---	---	---		
213	CTH U, N. OF STH 29/32	W1-7	48" X 24"		---	8.00	---	1				
214	VACANT	---	---	---	---	---	---	---	---	---		
215	CTH U, N. OF STH 29/32	R2-1	24" X 30"	5.00	---	---	---	1				45 MPH
216	"	R1-1	30" X 30"	5.18	---	---	---	1				
216A	"	W1-2L	30" X 20"	---	---	4.17	---	1				
216B	"	W1-7	48" X 24"	---	---	8.00	---	1				
217	STH 29/32, E. OF CTH U OVERPASS	I2-3A	84" X 30"	17.50	---	---	---	2				
218	"	R2-1	48" X 60"	20.00	---	---	---			2		70 MPH
219	"	J4-2	72" X 54"	27.00	---	---	---			2		SEE PLAN SHEET
220	STH 29/32, EXIT TO CTH VV	E5-1A	90" X 60"	37.50	---	---	---			2		EXIT 253
221	STH 29/ 32 EXIT RAMP TO CTH VV	W2-6	30" X 30"	---	---	6.25	---					
222	"	W13-1	18" X 18"	---	---	2.25	---					
223	"	D1-62	132" X 48"	44.00	---	---	---					
224	"	W3-2	36" X 36"	---	---	9.00	---					
225	VACANT	---	---	---	---	---	---	---	---	---		
226	"	R5-1A	36" X 24"	6.00	---	---	1					
227	"	R5-1A	36" X 24"	6.00	---	---	1					
228	"	R1-2	36" X 31"	3.88	---	---	---				1	
229	"	R1-54	24" X 15"	2.50	---	---	---					MOUNT BELOW SIGN #228
230	"	R1-2	36" X 31"	3.88	---	---	---			1		
231	"	R6-2R	24" X 30"	5.00	---	---	---					MOUNT BELOW SIGN #230
232	CTH VV, AT STH 29 EB RAB RAMP TERMINI	R5-1	36" X 36"	9.00	---	---	---	1				
233	"	R3-1	24" X 24"	4.00	---	---	---	1				
234	"	R6-1R	36" X 12"	3.00	---	---	2					
235	"	R6-4B	60" X 24"	10.00	---	---	---					MOUNT BELOW SIGN #234
236	"	D1-1	84" X 30"	17.50	---	---	---	2				SEE SIGN DETAIL SHEET
237	"	R1-2	36" X 31"	3.88	---	---	---			1		
PAGE SUBTOTALS				230.82	0.00	51.92	4	12	0	8	1	

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SUMMARY OF TYPE II SIGNS AND SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2220 SIGNS TYPE II REFLECTIVE SH S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0612 POSTS WOOD 4x6x12 EACH	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	634.0812 POSTS TUBE STEEL 2x2x12 EACH	REMARKS
238	CTH VV, AT STH 29 EB RAB RAMP TERMINI	R6-2R	24" X 30"	5.00	---	---						MOUNT BELOW SIGN #237
239	"	R1-2	36" X 31"	3.88	---	---			1			
240	"	R1-54	24" X 15"	2.50	---	---						MOUNT BELOW SIGN #239
241	CTH VV, W. OF STH 29 EB RAMP TERMINI	M1-5A	24" X 24"	4.00	---	---		1				SEE PLAN SHEET
242A	"	W3-2	36" X 36"	---	---	9.00		1				
242	"	D1-2	72" X 30"	15.00	---	---	1		1			SEE SIGN DETAIL SHEET
243	"	D1-62	108" X 78"	58.50	---	---				2		SEE SIGN DETAIL SHEET
244	"	W3-2	36" X 36"	---	---	9.00		1				
245	"	J1-2	48" X 39"	13.00	---	---		2				SEE PLAN SHEET
246	CTH VV, AT RAB TO NEW DEVELOPMENT	D1-1	78" X 30"	16.25	---	---	1		1			SEE SIGN DETAIL SHEET
246A	"	R2-1	24" X 30"	5.00	---	---		1				35 MPH
247	"	R6-1R	36" X 12"	3.00	---	---	2					
248	"	R6-4B	60" X 24"	10.00	---	---						MOUNT BELOW SIGN #247
249		R1-2	36" X 31"	3.88	---	---			1			
250		R1-54	24" X 15"	2.50	---	---						MOUNT BELOW SIGN #249
251		R1-2	36" X 31"	3.88	---	---				1		
252		R6-2R	24" X 30"	5.00	---	---						MOUNT BELOW SIGN #251
253	NEW DEVELOPMENT STUB	W2-6	30" X 30"	---	---	6.25			1			
254	"	W13-1	18" X 18"	---	---	2.25						15 MPH, MOUNT BELOW SIGN #253
255	"	W3-2	36" X 36"	---	---	9.00		1				
256	"	J13-1	24" X 45"	7.50	---	---		1				SEE PLAN SHEET
257	"	D1-1	78" X 15"	8.13	---	---		2				SEE SIGN DETAIL SHEET
258	CTH VV, AT RAB TO NEW DEVELOPMENT	R6-1R	36" X 12"	3.00	---	---	2					
259	"	R6-4B	60" X 24"	10.00	---	---						MOUNT BELOW SIGN #258
260	"	R6-1R	36" X 12"	3.00	---	---	2					
261	"	R6-4B	60" X 24"	10.00	---	---						MOUNT BELOW SIGN #260
262	"	R1-2	36" X 31"	3.88	---	---			1			
263	"	R1-54	24" X 15"	2.50	---	---						MOUNT BELOW SIGN #262
264	"	R1-2	36" X 31"	3.88	---	---			1			
265	"	R6-2R	24" X 30"	5.00	---	---						MOUNT BELOW SIGN #264
266	"	D1-1	84" X 30"	17.50	---	---	2					SEE SIGN DETAIL SHEET
267	CTH VV, W. OF NEW DEVELOPMENT	M1-5A	24" X 24"	4.00	---	---	1					
268	"	R4-7	36" X 48"	12.00	---	---			1			
269	"	W3-2	36" X 36"	---	---	9.00		1				
270	"	R4-7	24" X 30"	5.00	---	---		1				
271	"	R2-1	24" X 30"	5.00	---	---		1				55 MPH
271A	"	R2-1	24" X 30"	5.00	---	---		1				35 MPH
271B	"	W3-5	36" X 36"	---	---	9.00		1				35 MPH
272	"	R4-7	24" X 30"	5.00	---	---		1				
273	"	W2-6	30" X 30"	---	---	6.25		1				
274	"	W13-1	18" X 18"	---	---	2.25						15 MPH, MOUNT BELOW SIGN #273
274A	"	W14-3	48" X 36"	---	---	6.00		1				
275	CTH VV, AT RAB TO NEW DEVELOPMENT	R1-2	36" X 31"	3.88	---	---			1			
	PAGE SUBTOTALS			265.66	0.00	68.00	11	18	9	3	0	

PLAN SHEET PRODUCED
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SUMMARY OF TYPE II SIGNS AND SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2220 SIGNS TYPE II REFLECTIVE SH S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0612 POSTS WOOD 4x6x12 EACH	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	634.0812 POSTS TUBE STEEL 2x2x12 EACH	REMARKS
276	CTH VV, AT RAB TO NEW DEVELOPMENT	R1-54	24" X 15"	2.50	---	---						MOUNT BELOW SIGN #275
277	"	R1-2	36" X 31"	3.88	---	---				1		
278	"	R6-2R	24" X 30"	5.00	---	---						MOUNT BELOW SIGN #277
279	CTH VV, AT STH 29 EB RAB RAMP TERMINI	R6-1R	36" X 12"	3.00	---	---	2					
280	"	R6-4B	60" X 24"	10.00	---	---						MOUNT BELOW SIGN #279
281	CTH VV ON-RAMP TO STH 29 EB	R5-57	36" X 36"	9.00	---	---		1				
282A	OVERLAND	W5-56	18" X 18"	---	2.25	---	1					
282B	"	W5-56	18" X 18"	---	2.25	---	1					
282C	"	W5-56	18" X 18"	---	2.25	---	1					
282	CTH VV, AT STH 29 EB RAB RAMP TERMINI	D1-1	66" X 30"	13.75	---	---		2				SEE SIGN DETAIL SHEET
283	"	R6-1R	36" X 12"	3.00	---	---	2					
284	"	R6-4B	60" X 24"	10.00	---	---						MOUNT BELOW SIGN #283
285A	CTH VV, AT STH 29 EB RAB RAMP TERMINI	D1-1	72" X 15"	7.50	---	---		2				SEE SIGN DETAIL SHEET
285	"	D1-2	84" X 42"	24.50	---	---		2				SEE SIGN DETAIL SHEET
286	"	R1-2	36" X 31"	3.88	---	---			1			
287	"	R1-54	24" X 15"	2.50	---	---						MOUNT BELOW SIGN #286
288	"	R1-2	36" X 31"	3.88	---	---				1		
289	"	R6-2R	24" X 30"	5.00	---	---						MOUNT BELOW SIGN #288
290	CTH VV, BETWEEN RAMP TERMINI	D1-62	108" X 78"	58.50	---	---				3		SEE SIGN DETAIL SHEET
291	"	D1-62	114" X 78"	61.75	---	---			3			SEE SIGN DETAIL SHEET
292	STH 29/32, E. OF CTH VV STRUCTURE	W4-1	48" X 48"	---	---	16.00			2			
293A	MARLEY ST, AT STH 29 WB RAB RAMP TERMINI	D1-1	60" X 15"	6.25	---	---		2				SEE SIGN DETAIL SHEET
293	"	R1-2	36" X 31"	3.88	---	---			1			
294	"	R1-54	24" X 15"	2.50	---	---						MOUNT BELOW SIGN #293
295	"	R1-2	36" X 31"	3.88	---	---			1			
296	"	R6-2R	24" X 30"	5.00	---	---						MOUNT BELOW SIGN #295
297	"	D1-2	84" X 30"	17.50	---	---		2				SEE SIGN DETAIL SHEET
298	"	R6-1R	36" X 12"	3.00	---	---	2					
299	"	R6-4B	60" X 24"	10.00	---	---						MOUNT BELOW SIGN #298
300	"	R3-1	24" X 24"	4.00	---	---		1				
301	"	R5-1	36" X 36"	9.00	---	---		1				
302	"	R6-1R	36" X 12"	3.00	---	---	2					
303	"	R6-4B	60" X 24"	10.00	---	---						MOUNT BELOW SIGN #302
304	STH 29/32 OFF-RAMP TO MARLEY ST	R1-2	36" X 31"	3.88	---	---				1		
305	"	R6-2R	24" X 30"	5.00	---	---						MOUNT BELOW SIGN #304
306	"	R1-2	36" X 31"	3.88	---	---					1	
307	"	R1-54	24" X 15"	2.50	---	---						MOUNT BELOW SIGN #306
308	"	R5-1A	36" X 24"	6.00	---	---		1				
309	"	R5-1A	36" X 24"	6.00	---	---		1				
310	"	D1-2	60" X 30"	12.50	---	---		2				SEE SIGN DETAIL SHEET
311	"	W3-2	36" X 36"	---	---	9.00			1			
312	"	D1-62	132" X 48"	44.00	---	---			3			SEE SIGN DETAIL SHEET
PAGE SUBTOTALS				389.41	6.75	25.00	11	17	12	6	1	

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

SUMMARY OF TYPE II SIGNS AND SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2220 SIGNS TYPE II REFLECTIVE SH S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0612 POSTS WOOD 4x6x12 EACH	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	634.0812 POSTS TUBE STEEL 2x2x12 EACH	REMARKS
313	STH 29/32 OFF-RAMP TO MARLEY ST	E5-1A	90" X 60"	37.50	---	---				2		EXIT 253
314	"	W2-6	30" X 30"	---	---	6.25				1		
315	"	W13-1	18" X 18"	---	---	2.25						15 MPH, MOUNT BELOW SIGN #314
316	MARLEY ST, AT STH 29 WB RAB RAMP TERMINI	D1-1	78" X 30"	16.25	---	---		2				SEE SIGN DETAIL SHEET
316A	"	R2-1	24" X 30"	5.00	---	---		1				35 MPH
317	"	R1-2	36" X 31"	3.88	---	---				1		
318	"	R6-2R	24" X 30"	5.00	---	---						MOUNT BELOW SIGN #317
319	"	R1-2	36" X 31"	3.88	---	---					1	
320	"	R1-54	24" X 15"	2.50	---	---						MOUNT BELOW SIGN #319
321	"	R6-1R	36" X 12"	3.00	---	---	2					
322	"	R6-4B	60" X 24"	10.00	---	---						MOUNT BELOW SIGN #321
323	MARLEY ST ON-RAMP TO STH 29/32	D1-1	66" X 30"	13.75	---	---		2				SEE SIGN DETAIL SHEET
324	"	R5-57	36" X 36"	9.00	---	---		1				
325	STH 29/32, W. OF CTH VV STRUCTURE	W4-1	48" X 48"	---	---	16.00			2			
326	MARLEY ST, N. OF STH 29/32	W3-2	36" X 36"	---	---	9.00			1			
327	"	D1-62	108" X 78"	58.50	---	---			3			SEE SIGN DETAIL SHEET
328	"	W3-2	36" X 36"	---	---	9.00			1			
329A	"	J1-3	72" X 39"	19.50	---	---			2			SEE PLAN SHEET
329	"	D1-2	72" X 30"	15.00	---	---			2			SEE SIGN DETAIL SHEET
330	MARLEY ST, AT MILLTOWN RD RAB	D1-1	84" X 30"	17.50	---	---			2			SEE SIGN DETAIL SHEET
331	"	R1-2	36" X 31"	3.88	---	---				1		
332	"	R6-2R	24" X 30"	5.00	---	---						MOUNT BELOW SIGN #331
333	"	R1-2	36" X 31"	3.88	---	---			1			
334	"	R1-54	24" X 15"	2.50	---	---						MOUNT BELOW SIGN #333
335	MILLTOWN RD, AT MARLEY ST RAB	D1-1	96" X 15"	10.00	---	---	2					SEE SIGN DETAIL SHEET
336	"	R1-2	36" X 31"	3.88	---	---				1		
337	"	R6-2R	24" X 30"	5.00	---	---						MOUNT BELOW SIGN #336
338	MILLTOWN RD, E. OF MARLEY ST RAB	R2-1	24" X 30"	5.00	---	---		1				40 MPH
339	"	W1-4R	30" X 30"	---	---	6.25		1				
340	"	W1-6	48" X 24"	---	---	8.00		1				
341	"	W2-6	30" X 30"	---	---	6.25				1		
342	"	W13-1	18" X 18"	---	---	2.25						15 MPH, MOUNT BELOW SIGN #341
342A	"	W1-6	48" X 24"	---	---	8.00		1				
342B	"	R6-1R	36" X 12"	3.00	---	---						MOUNT ABOVE SIGN 342C
342C	"	R1-1	30" X 30"	5.17	---	---				1		
342D	"	R6-3A	30" X 24"	5.00	---	---						MOUNT BELOW SIGN 342C
342E	"	R4-7	24" X 30"	5.00	---	---		1				
342F	"	R4-7	24" X 30"	5.00	---	---	1					
342G	"	R6-2L	24" X 30"	5.00	---	---	1					
342H	"	R5-1	30" X 30"	6.25	---	---	1					
342I	"	R5-1A	36" X 24"	6.00	---	---	1					
342J	"	R5-1	30" X 30"	6.25	---	---	1					
342K	"	R5-1A	36" X 24"	6.00	---	---	1					
343	"	W3-2	36" X 36"	---	---	9.00		1				
344	MILLTOWN RD, AT MARLEY ST RAB	R1-2	36" X 31"	3.88	---	---			1			
345	"	R1-54	24" X 15"	2.50	---	---						MOUNT BELOW SIGN #344
346	MARLEY ST, AT MILLTOWN RD RAB	R6-1R	36" X 12"	3.00	---	---	2					
347	"	R6-4B	60" X 24"	10.00	---	---						MOUNT BELOW SIGN #346
348	"	R6-1R	36" X 12"	3.00	---	---	2					
349	"	R6-4B	60" X 24"	10.00	---	---						MOUNT BELOW SIGN #348
350	"	R6-1R	36" X 12"	3.00	---	---	2					
351	"	R6-4B	60" X 24"	10.00	---	---						MOUNT BELOW SIGN #350
352	"	D1-1	78" X 30"	16.25	---	---			2			SEE SIGN DETAIL SHEET
353	"	R1-2	36" X 31"	3.88	---	---				1		
PAGE SUBTOTALS				377.58	0.00	82.25	16	12	17	9	1	

PLAN SHEET PRODUCED BY WisDOT - NE REGION

SUMMARY OF TYPE II SIGNS AND SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2220 SIGNS TYPE II REFLECTIVE SH S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0612 POSTS WOOD 4x6x12 EACH	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	634.0812 POSTS TUBE STEEL 2x2x12 EACH	REMARKS
354	MARLEY ST, AT MILLTOWN RD RAB	R6-2R	24" X 30"	5.00	---	---						MOUNT BELOW SIGN #353
355	"	R1-2	36" X 31"	3.88	---	---					1	
356	"	R1-54	24" X 15"	2.50	---	---						MOUNT BELOW SIGN #355
357	MARLEY ST, N. OF MILLTOWN RD	R2-1	24" X 30"	5.00	---	---		1				40 MPH
357A	"	W3-2	36" X 36"	---	---	9.00			1			
357B	"	R4-7	24" X 30"	5.00	---	---		1				
357C	"	R2-1	24" X 30"	5.00	---	---		1				35 MPH
358	MILLWOOD CT	R1-1	30" X 30"	5.18	---	---						
358A	"	W14-1	30" X 30"	---	---	6.25			1			
359	MARLEY ST, N. OF MILLWOOD CT	R4-7	36" X 48"	12.00	---	---			1			
360	"	R4-7	24" X 30"	5.00	---	---		1				
361	"	W2-6	30" X 30"	---	---	6.25				1		
362	"	W13-1	18" X 18"	---	---	2.25						15 MPH, MOUNT BELOW SIGN #361
362A	"	W14-3	48" X 36"	---	---	6.00		1				
363A	MILLTOWN RD, E. OF MARLEY ST	W1-6	48" X 24"	---	---	8.00		1				
363B	"	R5-1	30" X 30"	6.25	---	---	1					
363C	"	R5-1A	36" X 24"	6.00	---	---	1					
363D	"	R5-1	30" X 30"	6.25	---	---	1					
363E	"	R5-1A	36" X 24"	6.00	---	---	1					
363F	"	R5-1A	36" X 24"	6.00	---	---	1					
364	"	W1-4R	30" X 30"	---	---	6.25		1				
364A	"	R6-1R	36" X 12"	3.00	---	---						MOUNT ABOVE SIGN #364B
364B	"	R1-1	30" X 30"	5.18	---	---				1		
364C	"	R6-3A	30" X 24"	5.00	---	---						MOUNT BELOW SIGN #364B
365	"	R2-1	24" X 30"	5.00	---	---		1				40 MPH
365A	"	R5-1	30" X 30"	6.25	---	---	1					
365B	"	R5-1A	36" X 24"	6.00	---	---	1					
365C	"	R6-2L	24" X 30"	5.00	---	---						
365D	"	R5-1	30" X 30"	6.25	---	---	1					
365E	"	R4-7	36" X 48"	12.00	---	---		1				
366	MILLTOWN RD, AT OLD MILLTOWN RD	R6-2L	24" X 30"	5.00	---	---		1				
367	"	R4-7	24" X 30"	5.00	---	---		1				
368	OLD MILLTOWN RD	R6-1R	36" X 12"	3.00	---	---						MOUNT ABOVE SIGN #369
369	"	R1-1	30" X 30"	5.18	---	---				1		
370	"	R6-3A	30" X 24"	5.00	---	---						MOUNT BELOW SIGN #369
371	"	W1-6	48" X 24"	---	---	8.00		1				
372	OLD MILLTOWN RD CUL DU SAC	W5-56	18" X 18"	---	2.25	---	1					
373	"	W5-56	18" X 18"	---	2.25	---	1					
374	"	W5-56	18" X 18"	---	2.25	---	1					
375	STH 29/32, E. OF CTH VV INTERCHANGE	J4-2	72" X 54"	27.00	---	---						
376	"	R2-1	48" X 60"	20.00	---	---				2		
377	MILLTOWN RD, E. OF OLD MILLTOWN RD	W6-2	36" X 36"	---	---	9.00			1			
378	VACANT	---	---	---	---	---						MOUNT ON BACK OF SIGN #377
379	"	R5-1	30" X 30"	6.25	---	---		1				
380	VACANT	---	---	---	---	---						
381	"	W6-3	36" X 36"	---	---	9.00			1			
382	"	W6-1	36" X 36"	---	---	9.00			1			
387	VACANT	---	---	---	---	---						
388	VACANT	---	---	---	---	---						
389	N. PINE TREE RD	W3-1	36" X 36"	---	---	9.00			1			
390	"	R1-1	30" X 30"	5.18	---	---		1				
391A	OVERLAND CUL DU SAC	W1-7	48" X 24"	---	---	8.00		1				
391	"	W5-56	18" X 18"	---	2.25	---	1					
392	"	W5-56	18" X 18"	---	2.25	---	1					
393	"	W5-56	18" X 18"	---	2.25	---	1					
	PAGE SUBTOTALS			214.35	13.50	96.00	14	15	7	5	1	
	PROJECT TOTALS			**1477.82**	**20.25**	**323.17**	**56**	**74**	**45**	**31**	**4**	

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3

3

ERECTION AND REMOVAL OF PERMANENT SIGNING, TYPE I AND SIGN SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	637.1220 SIGNS TYPE I REFLECTIVE SH W X H	S.F.	635.0200 SIGN SUPPORTS STRUCT. STEEL HIGH-STRENGTH LB	636.0100 SIGN SUPPORTS CONCRETE MASONRY CY	636.0500 SIGN SUPPORTS STEEL REINFORCEMENT LB	638.2601 REMOVING TYPE I SIGNS EACH	638.3100 REMOVING STRUCT. STEEL SIGN SUPPORTS EACH	TYPE/SIZE OF STEEL	INFO ONLY - POST LENGTH TO BE VERIFIED BY CONTRACTOR POST NO. 1 LENGTH FT	POST NO. 2 LENGTH FT	OFFSET DISTANCE FT	DISTANCE BETWEEN POSTS (S) FT	REMARKS
400	STH 29 EB/32 SB, E. OF CTH U OVERPASS	E9-1	168" X 132"	154.00	663	1.2	68	---	---	2-TYPE A	20.2	22.4	30.0	9.0	HOBART-HOWARD NEXT 2 EXITS, SEE SIGN DETAIL SHEET
401	STH 29 EB/32 SB, W. OF CTH U OVERPASS	E1-51A	216" X 156"	234.00	1096	1.6	98	---	---	2-TYPE B	23.9	26.3	30.0	9.6	CTH VV-MARLEY ST 1 MILE, SEE SIGN DETAIL SHEET
402	"	E1-5P	120" X 30"	25.00	---	---	---	---	---	---	---	---	---	---	EXIT 253, MOUNT ABOVE SIGN #401
403	STH 29 EB/32 SB, AT EXIT RAMP TO CTH VV	E4-1A	252" X 126"	220.50	1029	1.6	98	---	---	2-TYPE B	21.6	24.4	30.0	11.4	CTH VV-MARLEY ST, SEE SIGN DETAIL SHEET
404	"	E1-5P	120" X 30"	25.00	---	---	---	---	---	---	---	---	---	---	EXIT 253, MOUNT ABOVE SIGN #403
405	STH 29 WB/32 NB, AT EXIT RAMP TO CTH VV	E4-1A	252" X 126"	220.50	1034	1.6	98	---	---	2-TYPE B	22.1	24.2	30.0	11.4	CTH VV-MARLEY ST, SEE SIGN DETAIL SHEET
406	"	E1-5P	120" X 30"	25.00	---	---	---	---	---	---	---	---	---	---	EXIT 253, MOUNT ABOVE SIGN #405
407	STH 29 WB/32 NB, E. OF N PINE TREE RD	E1-51A	216" X 156"	234.00	1104	1.6	98	---	---	2-TYPE B	24.5	26.2	30.0	9.6	CTH VV-MARLEY ST 1 MILE, SEE SIGN DETAIL SHEET
408	"	E1-5P	120" X 30"	25.00	---	---	---	---	---	---	---	---	---	---	EXIT 253, MOUNT ABOVE SIGN #407
409	STH 29 WB/32 NB, E. OF CTH FF	E9-1	168" X 132"	154.00	672	1.2	68	---	---	2-TYPE A	20.5	22.8	30.0	9.0	HOBART-HOWARD NEXT 2 EXITS, SEE SIGN DETAIL SHEET
410	STH 29 EB/32 SB, W. OF CTH FF	E1-51A	228" X 156"	247.00	1457	1.8	100	1	2	2-TYPE C	27.5	30.0	30.0	11.4	CTH FF HILLCREST DR-SHERWOOD ST 1 MILE, SEE SIGN DETAIL SHEET
411	"	E1-5P	132" X 30"	27.50	---	---	---	1	---	---	---	---	---	---	EXIT 255, MOUNT ABOVE SIGN #410
412	"	E4-1A	276" X 126"	241.50	1034	1.6	98	1	2	2-TYPE B	21.4	24.9	17.5	13.8	CTH FF HILLCREST DR-SHERWOOD ST, SEE SIGN DETAIL SHEET
413	"	E1-5P	132" X 30"	27.50	---	---	---	1	---	---	---	---	---	---	EXIT 255, MOUNT ABOVE SIGN #412
414	STH 29 WB/32 NB. E. OF CTH FF	E6-1	180" X 120"	150.00	---	---	---	1	---	---	---	---	---	---	CTH FF HILLCREST DR-SHERWOOD ST, SEE SIGN DETAIL SHEET, MOUNT ON S-05-190
415	"	E1-5P	132" X 30"	27.50	---	---	---	1	---	---	---	---	---	---	EXIT 255, MOUNT ABOVE SIGN #414
416	"	E1-51A	228" X 156"	247.00	1466	1.8	100	1	2	2-TYPE C	27.6	30.4	30.0	11.2	CTH FF HILLCREST DR-SHERWOOD ST 1 MILE, SEE SIGN DETAIL SHEET
417	"	E1-5P	132" X 30"	27.50	---	---	---	1	---	---	---	---	---	---	EXIT 255, MOUNT ABOVE SIGN #416
PROJECT TOTALS				**2312.50**	**9555**	**14.0**	**826**	**8**	**6**						

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TRAFFIC CONTROL DETOUR SIGN SUMMARY - 29/32 WEST RCUT CLOSURE

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 296 DAYS	643.0900 SIGNS DAYS*	643.1000 SIGNS FIXED MESSAGE SF	REMARKS
1	STH 32, AT STH 29 EB RAMP INTERSECTION, PLACE RIGHT OF EXISTING R3-1 SIGN	MO 4-5	24"X12"	1	296	296		
	"	M 3-2	24"X12"	1	296	296		
	"	M 1-6	24"X24"	1	296	296		29
	"	MO 6-1	21"X21"	1	296	296		LEFT
	"	MO 4-5	24"X12"	1	296	296		
	"	M 3-3	24"X12"	1	296	296		
	"	M 1-6B	24"X24"	1	296	296		32
	"	MO 6-1	21"X21"	1	296	296		LEFT
2	STH 29/32, AT OFF-RAMP TO STH 32 INTERSECTION, PLACE RIGHT OF EXISTING R5-1 SIGN	MO 4-5	24"X12"	1	296	296		
	"	M 3-2	24"X12"	1	296	296		
	"	M 1-6	24"X24"	1	296	296		29
	"	MO 6-1	21"X21"	1	296	296		LEFT
	"	MO 4-5	24"X12"	1	296	296		
	"	M 3-3	24"X12"	1	296	296		
	"	M 1-6B	24"X24"	1	296	296		32
	"	MO 6-1	21"X21"	1	296	296		LEFT
3	STH 29/32, AT OFF-RAMP TO STH 32, PLACE IN MEDIAN ACROSS FROM GROUND MOUNT EXIT SIGN	MO 4-5	36"X18"	1	296	296		
	"	M 3-2	36"X18"	1	296	296		
	"	M 1-6	36"X36"	1	296	296		29
	"	MO 6-2	30"X30"	1	296	296		TILT RIGHT
	"	MO 4-5	36"X18"	1	296	296		
	"	M 3-3	36"X18"	1	296	296		
	"	M 1-6B	36"X36"	1	296	296		32
	"	MO 6-2	30"X30"	1	296	296		TILT RIGHT
4	STH 29/32, AT OFF-RAMP TO STH 32, PLACE LEFT OF GROUND MOUNT EXIT SIGN ON RIGHT SHOULDER	MO 4-5	36"X18"	1	296	296		
	"	M 3-2	36"X18"	1	296	296		
	"	M 1-6	36"X36"	1	296	296		29
	"	MO 6-2	30"X30"	1	296	296		TILT RIGHT
	"	MO 4-5	36"X18"	1	296	296		
	"	M 3-3	36"X18"	1	296	296		
	"	M 1-6B	36"X36"	1	296	296		32
	"	MO 6-2	30"X30"	1	296	296		TILT RIGHT

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

PAGE SUBTOTALS 32 9,472 0

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TRAFFIC CONTROL DETOUR SIGN SUMMARY - 29/32 WEST RCUT CLOSURE

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD DAYS	643.0900 SIGNS DAYS*	643.1000 SIGNS FIXED MESSAGE SF	REMARKS
5	STH 29/32, E. OF OFF-RAMP TO STH 32, PLACE IN MEDIAN 1500' PRIOR TO STH 32 OFF-RAMP	MO 4-5	36"X18"	1	296	296		
	"	M 3-2	36"X18"	1	296	296		
	"	M 1-6	36"X36"	1	296	296		29
	"	MO 5-2R	30"X30"	1	296	296		
	"	MO 4-5	36"X18"	1	296	296		
	"	M 3-3	36"X18"	1	296	296		
	"	M 1-6B	36"X36"	1	296	296		32
	"	MO 5-2R	30"X30"	1	296	296		
6	STH 29/32, E. OF OFF-RAMP TO STH 32, PLACE 1500' PRIOR TO STH 32 OFF-RAMP ON RIGHT SHOULDER	MO 4-5	36"X18"	1	296	296		
	"	M 3-2	36"X18"	1	296	296		
	"	M 1-6	36"X36"	1	296	296		29
	"	MO 5-2R	30"X30"	1	296	296		
	"	MO 4-5	36"X18"	1	296	296		
	"	M 3-3	36"X18"	1	296	296		
	"	M 1-6B	36"X36"	1	296	296		32
	"	MO 5-2R	30"X30"	1	296	296		
7	STH 29/32, E. OF OFF-RAMP TO STH 32, PLACE 1/2 MILE E. OF CTH U IN MEDIAN	MO 4-5	36"X18"	1	296	296		
	"	M 3-2	36"X18"	1	296	296		
	"	M 1-6	36"X36"	1	296	296		29
	"	MO 6-1	30"X30"	1	296	296		AHEAD
	"	MO 4-5	36"X18"	1	296	296		
	"	M 3-3	36"X18"	1	296	296		
	"	M 1-6B	36"X36"	1	296	296		32
	"	MO 6-1	30"X30"	1	296	296		AHEAD
8	STH 29/32, E. OF OFF-RAMP TO STH 32, PLACE 1/2 MILE E. OF CTH U ON RIGHT SHOULDER	MO 4-5	36"X18"	1	296	296		
	"	M 3-2	36"X18"	1	296	296		
	"	M 1-6	36"X36"	1	296	296		29
	"	MO 6-1	30"X30"	1	296	296		AHEAD
	"	MO 4-5	36"X18"	1	296	296		
	"	M 3-3	36"X18"	1	296	296		
	"	M 1-6B	36"X36"	1	296	296		32
	"	MO 6-1	30"X30"	1	296	296		AHEAD
9	STH 29/32, E. OF OFF-RAMP TO STH 32, PLACE 3/4 MILE E. OF CTH U IN MEDIAN	FMS	126"X72"	1	296		63	SEE SIGN DETAIL SHEET
10	STH 29/32, E. OF OFF-RAMP TO STH 32, PLACE 3/4 MILE E. OF CTH U ON RIGHT SHOULDER	FMS	126"X72"	1	296		63	SEE SIGN DETAIL SHEET
	*ADDITIONAL QUANTITIES LISTED ELSEWHERE							
	PAGE SUBTOTALS			34		9,472	126	
	29/32 WEST RCUT CLOSURE TOTALS			**66**		**18,944**	**126**	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY - 29/32 ALTERNATE ROUTE

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 134 DAYS	643.0900 SIGNS DAYS*	643.0420 BARRICADES TYPE III DAYS*	643.0705 WARNING LIGHTS TYPE A DAYS*	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS*	REMARKS
1	CTH VV, W. OF CTH U, PLACE 1/4 MILE W. OF CTH U INTERSECTION	M 1-5A	24"X24"	1	134	134				VV
	"	W 20-2A	48"X48"	1	134	134				
2	CTH VV, W. OF CTH U, PLACE 750' W. OF CTH U INTERSECTION	MO 4-5	24"X12"	1	134	134				
	"	M 1-6	24"X24"	1	134	134				29
	"	MO 5-1L	21"X21"	1	134	134				
	"	MO 4-5	24"X12"	1	134	134				
	"	M 1-6B	24"X24"	1	134	134				32
	"	MO 5-1L	21"X21"	1	134	134				
3	CTH VV, W. OF CTH U, PLACE NEXT TO SIGN #2	MO 4-8	24"X12"	1	134	134				
	"	M 1-5A	24"X24"	1	134	134				VV
	"	MO 5-1L	21"X21"	1	134	134				
4	CTH VV, AT CTH U, MODIFY EXISTING J13-2 SIGN AS SHOWN AT CTH U INTERSECTION	MO 4-8	24"X12"	1	134	134				
	"	MO 6-1	21"X21"	1	134	134				LEFT
5		MO 4-5	24"X12"	1	134	134				
	"	M 1-6	24"X24"	1	134	134				29
	"	MO 6-1	21"X21"	1	134	134				LEFT
	"	MO 4-5	24"X12"	1	134	134				
	"	M 1-6B	24"X24"	1	134	134				32
	"	MO 6-1	21"X21"	1	134	134				LEFT
6	CTH U, AT CTH VV, MODIFY EXISTING J13-2 AS SHOWN AT CTH VV INTERSECTION	MO 6-1	21"X21"	1	134	134				LEFT
7	CTH VV, AT CTH U, PLACE IN ROADWAY ON E. SIDE OF INTERSECTION	R 11-2	48"X30"	1	134	134	134	268		
	"	M 4-9L	30"X24"	1	134	134				
8	CTH U, AT STH 29/32, PLACE RIGHT OF EXISTING J13-2 SIGN AT STH 29/32 INTERSECTION	MO 4-8	24"X12"	1	134	134				
	"	M 1-5A	24"X24"	1	134	134				VV
	"	MO 6-1	21"X21"	1	134	134				RIGHT
9	STH 29/32, W. OF OLD CTH VV, PLACE 1500' W. OF OLD CTH VV INTERSECTION IN MEDIAN	MO 4-5	36"X18"	1	134	134				
	"	M 3-4	36"X18"	1	134	134				
	"	M 1-6	36"X36"	1	134	134				29
	"	MO 6-1	30"X30"	1	134	134				AHEAD
	"	M 4-5	36"X18"	1	134	134				
	"	M 3-1	36"X18"	1	134	134				
	"	M 1-6B	36"X36"	1	134	134				32
	"	MO 6-1	30"X30"	1	134	134				AHEAD
10	STH 29/32, W. OF OLD CTH VV, PLACE 1500' W. OF OLD CTH VV INTERSECTION ON RIGHT SHOULDER	MO 4-5	36"X18"	1	134	134				
	"	M 3-4	36"X18"	1	134	134				
	"	M 1-6	36"X36"	1	134	134				29
	"	MO 6-1	30"X30"	1	134	134				AHEAD
	"	MO 4-5	36"X18"	1	134	134				
	"	M 3-1	36"X18"	1	134	134				
	"	M 1-6B	36"X36"	1	134	134				32
	"	MO 6-1	30"X30"	1	134	134				AHEAD

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

PAGE SUBTOTALS 41 5,494 134 268 0

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TRAFFIC CONTROL DETOUR SIGN SUMMARY - 29/32 ALTERNATE ROUTE

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD DAYS	643.0900 SIGNS DAYS*	643.0420 BARRICADES TYPE III DAYS*	643.0705 WARNING LIGHTS TYPE A DAYS*	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS*	REMARKS
11	STH 29/32, W. OF OLD CTH VV, MODIFY EXISTING J1-1 SIGN AS SHOWN	MO 4-8A	30"X24"	1	134	134				
12	CTH VV, W. OF STH 29/32, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1					7	PLACE IN ADVANCE OF CLOSURE
13	CTH VV, E. OF CTH U, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1					7	PLACE IN ADVANCE OF CLOSURE
14	CTH U, AT CTH VV, PLACE RIGHT OF EXISTING R1-1 SIGN	M 1-5A	24"X24"	1	134	134				VV
	"	MO 6-1	21"X21"	1	134	134				RIGHT
15	STH 29/32, AT CTH U, PLACE LEFT OF EXISTING J13-1 SIGN IN MEDIAN	MO 4-8	36"X18"	1	134	134				
	"	M 1-5A	36"X36"	1	134	134				VV
	"	MO 6-1	30"X30"	1	134	134				LEFT
16	STH 29/32, PLACE ACROSS FROM SIGN #15 ON RIGHT SHOULDER	MO 4-8	36"X18"	1	134	134				
	"	M 1-5A	36"X36"	1	134	134				VV
	"	MO 6-1	30"X30"	1	134	134				LEFT
17	STH 29/32, AT CTH VV, MODIFY EXISTING J13-1 SIGN AS SHOWN	MO 6-1	30"X30"	1	134	134				AHEAD
18	STH 29/32, AT CTH VV, PLACE ACROSS FROM SIGN #17 ON RIGHT SHOULDER	MO 4-8	36"X18"	1	134	134				
	"	M 1-5A	36"X36"	1	134	134				VV
	"	MO 6-1	30"X30"	1	134	134				AHEAD
19	STH 29/32, E. OF CTH VV, PLACE 1000' E. OF CTH VV INTERSECTION IN MEDIAN	M 1-5A	36"X36"	1	134	134				VV
	"	W 20-2A	48"X48"	1	134	134				
20	STH 29/32, E. OF CTH VV, PLACE 1000' E. OF CTH VV INTERSECTION ON RIGHT SHOULDER	M 1-5A	36"X36"	1	134	134				VV
	"	W 20-2A	48"X48"	1	134	134				
	*ADDITIONAL QUANTITIES LISTED ELSEWHERE									
	PAGE SUBTOTALS			19		2,278	0	0	14	
	ALTERNATE ROUTE TOTALS			**60**		**7,772**	**134**	**268**	**14**	

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PAVEMENT MARKING

CATEGORY	STATION	TO	STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH LF	646.1555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH LF	646.3020 MARKING LINE EPOXY 8-INCH LF	646.3555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH LF	646.5020 MARKING ARROW EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.6464 COLD WEATHER MARKING EPOXY 4-INCH LF	646.6468 COLD WEATHER MARKING EPOXY 8-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH (YELLOW) LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE) LF	646.8120 MARKING CURB EPOXY (YELLOW) LF	646.8220 MARKING ISLAND NOSE EPOXY EACH	SPV.0090.06 MARKING LINE YIELD LINE EPOXY 18-INCH (WHITE) LF	REMARKS
STAGE 2																		
0010	40CD+00	-	40CD+42	MARLEY-EVERGREEN RAB, RT	-	-	-	-	-	-	-	-	-	295	-	-	70	
0010	61NB+61	-	64NB+30	MARLEY ST, NB, RT	270	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	61SB+47	-	63SB+35	MARLEY ST, SB, LT	190	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	62NB+70	-	63SB+70	MARLEY ST, MEDIAN	-	-	100	-	2	-	-	-	-	105	10	1	-	
0010	799MW+40	-	799MW+50	MILLWOOD CT	-	-	-	-	-	15	-	-	-	80	-	-	-	
0010	597EGE+76	-	597EGE+81	EVERGREEN AVE, MEDIAN	-	-	-	-	-	-	-	-	-	-	10	1	-	
0010	600EGE+30	-	634EGE+74	EVERGREEN AVE, EB, RT	3,300	-	-	-	-	-	3,300	-	-	-	-	-	-	WHITE EDGELINE
0010	600EGW+68	-	634EGW+74	EVERGREEN AVE, WB, LT	3,160	-	-	-	-	-	3,160	-	-	-	-	-	-	WHITE EDGELINE
0010	608EGE+40	-	611EGE+50	EVERGREEN AVE, MEDIAN	-	-	150	-	2	-	-	-	-	85	100	2	-	
0010	610EGW+10	-	610EGW+70	EVERGREEN AVE, WB, LT	-	-	-	-	-	-	-	-	-	120	-	-	-	
0010	622EGW+65	-	625EGW+30	EVERGREEN AVE, MEDIAN	-	-	140	-	2	-	-	140	-	100	100	2	-	
0010	628EGE+65	-	631EGE+40	EVERGREEN AVE, MEDIAN	-	-	150	-	2	-	-	150	-	85	100	2	-	
0010	630EGW+30	-	630EGW+85	EVERGREEN AVE, WB, LT	-	-	-	-	-	-	-	-	-	125	-	-	-	
0010	634EGE+74	-	642EGE+50	EVERGREEN AVE, LT & RT	1,550	-	-	-	-	-	1,550	-	-	-	-	-	-	WHITE EDGELINE
0010	634EGE+74	-	647EGE+00	EVERGREEN AVE	2,930	-	-	-	-	-	2,930	-	445	-	10	1	-	YELLOW CENTERLINE
0010	700CT+25	-	702CT+75	CONNECTION RD	500	-	-	-	-	-	-	-	-	-	-	-	-	YELLOW CENTERLINE
				STAGE 2 SUBTOTALS	11,900	0	540	0	8	15	10,940	290	445	995	330	9	70	
STAGE 4																		
0010	20NB+50		30NB+00	CTH VV, MEDIAN	2,365								85		45	1		YELLOW CENTERLINE
0010	17NB+00	-	30NB+97	CTH VV, RT	400	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	27SB+00	-	31SB+14	CTH VV, LT	415	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	10CA+00	-	13CA+61	CTH VV-CTH TS RAB, RT	-	-	-	-	-	-	-	-	-	220	-	-	60	
0010	100CE+62	-	119CE+76	CTH TS, EB, RT	1,980	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	100CW+68	-	119CW+76	CTH TS, WB, LT	1,890	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	540EB+75	-	544EB+05	STH 29, EB, LT	330	-	-	-	-	-	-	-	-	-	-	-	-	YELLOW EDGELINE
0010	541EB+20	-	543EB+75	STH 29, EB, RT	255	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	540WB+75	-	547WB+65	STH 29, WB, RT	690	-	-	-	-	-	-	-	-	-	-	-	-	YELLOW EDGELINE
0010	541WB+34	-	542WB+50	STH 29, WB, LT	120	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
				STAGE 4 SUBTOTALS	8,445	0	0	0	0	0	0	0	85	220	45	1	60	
STAGE 5																		
0010	33NB+71	-	41NB+27	CTH VV, NB, RT	770	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	33SB+79	-	41SB+25	CTH VV, SB, LT	735	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	21CB+00	-	21CB+33	CTH VV-RAMP AB RAB, RT	-	-	-	-	-	-	-	-	-	150	-	-	50	
0010	43NB+93	-	48NB+15	CTH VV, NB, RT	420	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	43SB+94	-	48SB+16	CTH VV, SB, LT	420	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	31CC+57	-	31CC+80	MARLEY-RAMP CD, RT	-	-	-	-	-	-	-	-	-	145	-	-	50	
0010	50NB+86	-	58NB+84	MARLEY ST, NB, RT	800	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	50SB+84	-	58SB+76	MARLEY ST, SB, LT	785	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	521WB+14	-	524WB+14	STH 29, WB, LT	-	-	-	75	-	-	-	-	-	-	-	-	-	WHITE SKIPS
0010	524WB+14	-	529WB+09	STH 29, WB, LT	-	-	-	990	-	-	-	-	-	-	-	-	-	RAMP GORE

PAVEMENT MARKING (CONTINUED)

CATEGORY	STATION	TO	STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH LF	646.1555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH LF	646.3020 MARKING LINE EPOXY 8-INCH LF	646.3555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH LF	646.5020 MARKING ARROW EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.6464 COLD WEATHER MARKING EPOXY 4-INCH LF	646.6468 COLD WEATHER MARKING EPOXY 8-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH (YELLOW) LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE) LF	646.8120 MARKING CURB EPOXY (YELLOW) LF	646.8220 MARKING ISLAND NOSE EPOXY EACH	SPV.0090.06 MARKING LINE YIELD LINE EPOXY 18-INCH (WHITE) LF	REMARKS
STAGE 5 CONTINUED																		
0010	516WB+04	-	525RD+12	RAMP D, LT	2,510	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	513RD+05	-	525RD+12	RAMP D, RT	1,210	-	-	-	-	-	-	-	-	-	-	-	-	YELLOW EDGELINE
0010	524EB+69	-	526EB+58	STH 29, EB, RT	-	50	-	-	-	-	-	-	-	-	-	-	-	WHITE SKIPS
0010	526EB+58	-	530EB+00	STH 29, EB, RT	-	-	-	675	-	-	-	-	-	-	-	-	-	RAMP GORE
0010	524EB+19	-	215RA+75	RAMP A, RT	1,630	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	205RA+25	-	215RA+25	RAMP A, LT	1,000	-	-	-	-	-	-	-	-	-	-	-	-	YELLOW EDGELINE
0010	300RB+66	-	566EB+61	RAMP B, RT	2,410	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	300RB+65	-	311RB+73	RAMP B, LT	1,110	-	-	-	-	-	-	-	-	-	-	-	-	YELLOW EDGELINE
0010	553EB+60	-	557EB+50	STH 29, EB, RT	-	-	-	880	-	-	-	-	-	-	-	-	-	RAMP GORE
0010	557EB+50	-	561EB+50	STH 29, EB, RT	-	-	-	80	-	-	-	-	-	-	-	-	-	WHITE SKIPS
0010	556EB+00	-	566EB+11	STH 29, EB, LT	1,080	-	-	-	-	-	-	-	-	-	-	-	-	YELLOW EDGELINE
0010	779XT+15	-	779XT+80	EXISTING TRIANGLE DR	70	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
				STAGE 5 SUBTOTALS	14,950	50	0	2,700	0	0	0	0	0	295	0	0	100	
STAGE 6																		
0010	484WB+67	-	492WB+36	STH 29, WB, LT	770	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	484WB+67	-	494WB+86	STH 29, WB, R T	1,020	-	-	-	-	-	-	-	-	-	-	-	-	YELLOW EDGELINE
0010	479EB+68	-	489EB+84	STH 29, EB, LT	1,020	-	-	-	-	-	-	-	-	-	-	-	-	YELLOW EDGELINE
0010	479EB+68	-	489EB+84	STH 29, EB, RT	1,020	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	100OH+00	-	113OH+50	OLD HWY 29, LT & RT	2,730	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	93OH+50	-	1190H+65	OLD HWY 29	4,630	-	-	-	-	-	-	-	-	-	-	-	-	YELLOW CENTERLINE
0010	401RC+36	-	411RC+08	RAMP C, RT	980	-	-	-	-	-	-	-	-	-	-	-	-	YELLOW EDGELINE
0010	400RC+82	-	567WB+22	RAMP C, LT	2,390	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	553WB+75	-	557WB+05	STH 29, WB, LT	-	-	-	680	-	-	-	-	-	-	-	-	-	RAMP GORE
0010	557WB+05	-	558WB+93	STH 29, WB, LT	-	50	-	-	-	-	-	-	-	-	-	-	-	WHITE SKIPS
0010	556WB+00	-	566WB+11	STH 29, WB, RT	1,020	-	-	-	-	-	-	-	-	-	-	-	-	YELLOW EDGELINE
0010	572EB+69	-	579EB+55	STH 29, EB, LT	690	-	-	-	-	-	-	-	-	-	-	-	-	YELLOW EDGELINE
0010	576WB+49	-	579WB+55	STH 29, WB, LT	305	-	-	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	576WB+49	-	579WB+55	STH 29, WB, RT	305	-	-	-	-	-	-	-	-	-	-	-	-	YELLOW EDGELINE
0010	700CT+50	-	707CT+50	CONNECTION RD	1,500	-	-	-	-	-	-	-	-	-	-	-	-	YELLOW CENTERLINE
				STAGE 6 SUBTOTALS	18,380	50	0	680	0	0	0	0	0	0	0	0	0	
				TOTAL 0010	53,675	100	540	3,380	8	15	10,940	290	530	1,510	375	10	230	

3

MARKING REMOVAL LINE

CATEGORY	STATION	TO	STATION	LOCATION	646.9010 MARKING REMOVAL LINE WATER BLASTING 4-INCH LF	646.9110 MARKING REMOVAL LINE WATER BLASTING 8-INCH LF
STAGE 2						
0010	642EGE+50	-	647EGE+00	MILLTOWN RD	675	-
					675	0
STAGE 4						
0010	541WB+30	-	546WB+10	STH 29, WB, RT	-	490
				STAGE 4 SUBTOTALS	0	490
STAGE 5						
0010	516WB+04	-	524WB+14	STH 29, WB, LT	810	-
0010	524EB+42	-	526EB+82	STH 29, EB, RT	190	-
0010	556EB+55	-	566EB+60	STH 29, EB, RT	560	215
				STAGE 5 SUBTOTALS	1,560	215
STAGE 6						
0010	487WB+35	-	489WB+50	STH 29, WB, LT	-	215
0010	488WB+80	-	493WB+35	STH 29, WB, RT	-	455
0010	481EB+15	-	485EB+75	STH 29, EB, LT	-	460
0010	482EB+50	-	487EB+15	STH 29, EB, RT	-	220
0010	553EB+90	-	558EB+40	STH 29, EB, LT	-	450
0010	557WB+03	-	558WB+93	STH 29, WB, LT	190	-
0010	560WB+05	-	564WB+45	STH 29, WB, RT	-	440
0010	574EB+20	-	578EB+80	STH 29, EB, LT	-	470
0010	93OH+50	-	100OH+00	OLD HWY 29	815	-
0010	113OH+50	-	119OH+65	OLD HWY 29	770	-
0010				CTH U AT GLENDALE AVE	75	-
				STAGE 6 SUBTOTALS	1,850	2,710
				TOTAL 0010	4,085	3,415

NOTE: MARKING REMOVAL LINE 8-INCH FOR MARKINGS LEFT AFTER SHOULDER REMOVAL

TEMPORARY MARKING LINE

CATEGORY	STATION	TO	STATION	LOCATION	649.0120 TEMPORARY MARKING LINE EPOXY 4-INCH LF	649.0820 TEMPORARY MARKING STOP LINE EPOXY 18-INCH LF	REMARKS
STAGE 2							
0010	10TCR+50	-	700CT+25	TEMPORARY CONNECTION RD	920	-	DOUBLE YELLOW CENTERLINE
0010				TEMPORARY CONNECTION RD / MILLTOWN RD	-	30	
				TOTAL 0010	920	30	

CONSTRTUCTION STAKING

CATEGORY	STATION	TO	STATION	LOCATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.5500 CURB GUTTER AND CURB & GUTTER LF	650.6500.01 STRUCTURE LAYOUT (B-5-416) LS	650.7000 CONCRETE PAVEMENT LF	650.8500.01 ELECTRICAL INSTALLATIONS (9200-10-71) LS	650.9000 CURB RAMPS EACH	650.9910 SUPPLEMENTAL CONTROL (9200-10-71) LS	650.9910 SUPPLEMENTAL CONTROL (9200-10-72) LS	650.9920 SLOPE STAKES LF	SPV.0105.21 BROADBAND FIBER LS
PROJECT 9200-10-71															
STAGE 1															
0010	601EGE+25	-	634EGE+74	EVERGREEN AVE, EB	3,349	3,349	6,444	-	-	-	5	-	-	3,349	-
0010	601EGW+25	-	634EGW+75	EVERGREEN AVE, WB	3,350	3,350	6,411	-	-	-	7	-	-	3,350	-
0010	634EGE+74	-	636EGE+00	EVERGREEN AVE, EB & WB	126	126	-	-	-	-	-	-	-	126	-
0010	700CT+15	-	704CT+00	CONNECTION RD	385	385	-	-	-	-	-	-	-	385	-
0010				PROJECT LIMITS	-	-	-	-	-	-	-	1	-	-	-
				STAGE 1 SUBTOTALS	7,210	7,210	12,855	0	0	0	12	1	0	7,210	0
STAGE 2															
0010	58NB+25	-	65NB+25	MARLEY ST, NB	531	531	1,111	-	-	-		-	-	531	-
0010	58SB+25	-	65SB+25	MARLEY ST, SB	533	533	937	-	-	-	5	-	-	533	-
0010	40CD+00	-	43CD+64	MARLEY-EVERGREEN RAB	364	364	625	-	-	-	-	-	-	364	-
0010	798M+25	-	799M+68	MILLWOOD CT	143	143	-	-	-	-	-	-	-	143	-
0010	101CE+25	-	119CE+76	CTH TS, EB	1,851	1,851	3,814	-	-	-	-	-	-	1,851	-
0010	101CW+25	-	119CW+76	CTH TS, WB	1,851	1,851	3,680	-	-	-	-	-	-	1,851	-
0010	597EGE+97	-	598EB+43	EVERGREEN AVE, EB & WB	46	46	398	-	-	-	4	-	-	46	-
0010	600EGE+12	-	601EGE+25	EVERGREEN AVE, EB	113	113	340	-	-	-	3	-	-	113	-
0010	600EGW+07	-	601EGW+25	EVERGREEN AVE, WB	118	118	274	-	-	-	1	-	-	118	-
0010	636EGE+00	-	642EGE+50	EVERGREEN AVE, EB & WB	650	650	-	-	-	-	-	-	-	650	-
0010	704CT+00	-	709CT+08	CONNECTION RD	508	508	50	-	-	-	-	-	-	508	-
0010	10TCR+45	-	12TCR+00	TEMPORARY CONNECTION RD	155	155	-	-	-	-	-	-	-	-	-
				STAGE 2 SUBTOTALS	6,863	6,863	11,229	0	0	0	13	0	0	6,708	0
STAGE 4															
0010	27NB+00	-	58NB+25	CTH VV, NB	2,401	2,000	3,920	-	401	-	9	-	-	2,401	-
0010	27SB+00	-	58SB+25	CTH VV, SB	2,404	1,998	3,785	-	406	-	3	-	-	2,404	-
0010	10CA+00	-	13CA+64	CTH VV-CTH TS RAB	364	364	625	-	-	-	-	-	-	364	-
0010	20CB+00	-	23CB+64	CTH VV-RAMP AB RAB	364	-	-	-	364	-	-	-	-	364	-
0010	30CC+00	-	33CC+64	MARLEY-RAMP CD RAB	364	-	-	-	364	-	-	-	-	364	-
0010	206RA+50	-	216RA+48	RAMP A	998	-	-	-	998	-	2	-	-	998	-
0010	300RB+10	-	310RB+00	RAMP B	990	-	-	-	990	-	2	-	-	990	-
0010	400RC+09	-	409RC+00	RAMP C	891	-	-	-	891	-	2	-	-	891	-
0010	514RD+50	-	525RD+72	RAMP D	1,122	-	-	-	1,122	-	2	-	-	1,122	-
0010	100CE+12	-	101CE+25	CTH TS, EB	113	113	340	-	-	-	3	-	-	113	-
0010	100CW+07	-	101CW+25	CTH TS, WB	118	118	269	-	-	-	1	-	-	118	-
0010	544WB+25	-	547WB+65	STH 29, WB	-	-	-	-	-	-	-	-	-	340	-
0010				PROJECT LIMITS	-	-	-	-	-	1	-	-	-	-	-
				STAGE 4 SUBTOTALS	10,129	4,593	8,939	0	5,536	1	24	0	0	10,469	0

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CONSTRTUCTION STAKING (CONTINUED)

CATEGORY	STATION	TO	STATION	LOCATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.5500 CURB GUTTER AND CURB & GUTTER LF	650.6500.01 STRUCTURE LAYOUT (B-5-416) LS	650.7000 CONCRETE PAVEMENT LF	650.8500.01 ELECTRICAL INSTALLATIONS (9200-10-71) LS	650.9000 CURB RAMPS EACH	650.9910 SUPPLEMENTAL CONTROL (9200-10-71) LS	650.9910 SUPPLEMENTAL CONTROL (9200-10-72) LS	650.9920 SLOPE STAKES LF	SPV.0105.21 BROADBAND FIBER LS
STAGE 5															
0010	202RA+00	-	206RA+50	RAMP A	450	-	-	-	450	-	-	-	-	450	-
0010	524EB+19	-	526EB+58	RAMP A TAPER	239	-	-	-	239	-	-	-	-	239	-
0010	310RB+00	-	315RB+15	RAMP B	515	-	-	-	515	-	-	-	-	515	-
0010	557EB+01	-	566EB+61	RAMP B TAPER	960	-	-	-	960	-	-	-	-	960	-
0010	509RD+60	-	514RD+50	RAMP D	490	-	-	-	490	-	-	-	-	490	-
0010	516WB+03	-	525WB+64	RAMP D TAPER	961	-	-	-	961	-	-	-	-	961	-
0010	64NB+35	-	65NB+25	MARLEY ST, MEDIAN	-	-	180	-	-	-	-	-	-	-	-
0010	684T+98	-	686T+70	TRIANGLE DR	172	172	-	-	-	-	-	-	-	172	-
				STAGE 5 SUBTOTALS	3,787	172	180	0	3,615	0	0	0	0	3,787	0
STAGE 6															
0010	409RC+00	-	414RC+48	RAMP C	548	-	-	-	548	-	-	-	-	548	-
0010	557WB+06	-	558WB+93	RAMP C TAPER	187	-	-	-	187	-	-	-	-	187	-
0010	100OH+00	-	113OH+50	OLD HWY 29	3,040	3,040	-	-	-	-	-	-	-	3,040	-
0010	479EB+68	-	489EB+84	STH 29, EB	-	-	-	-	-	-	-	-	-	1,016	-
0010	484WB+67	-	494WB+86	STH 29, WB	-	-	-	-	-	-	-	-	-	1,019	-
0010	552EB+30	-	555EB+73	STH 29, EB	-	-	-	-	-	-	-	-	-	343	-
0010	564WB+43	-	567WB+22	STH 29, WB	-	-	-	-	-	-	-	-	-	279	-
				STAGE 6 SUBTOTALS	3,775	3,040	0	0	735	0	0	0	0	6,432	0
	PROJECT 9200-10-71			TOTAL 0010	31,764	21,878	33,203	0	9,886	1	49	1	0	34,606	0
PROJECT 9200-10-71															
STAGE 3															
0020				B-5-416	-	-	-	1	-	-	-	-	-	-	-
	PROJECT 9200-10-71			TOTAL 0020	0	0	0	1	0	0	0	0	0	0	0
				PROJECT 9200-10-71 TOTAL	31,764	21,878	33,203	1	9,886	1	49	1	0	34,606	0
PROJECT 9200-10-72															
0010				PROJECT LIMITS	-	-	-	-	-	-	-	-	1	-	1
				PROJECT 9200-10-72 TOTAL	0	0	0	0	0	0	0	0	1	0	1

LIGHTING CONDUIT AND WIRE

FROM	-	TO	* 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	* 652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	REMARKS
ALL ITEMS ARE CATEGORY 0010							
CB 100	-	PB 103	--	40	--	280	--
CB 100	-	PB 103	--	40	56	--	PULL WIRE ONLY
PB 103	-	SL 102	--	5	--	160	--
PB 103	-	PB 102	--	100	--	560	--
PB 103	-	PB 100	170	--	182	--	PULL WIRE ONLY
PB 100	-	PB 101	--	60	72	--	PULL WIRE ONLY
PB 101	-	SL 100	5	--	16	--	PULL WIRE ONLY
SL 100	-	PB 102	175	--	--	930	--
PB 102	-	SL 101	--	20	--	310	--
PB 102	-	SL 107	250	--	261	--	PULL WIRE ONLY
SL 107	-	PB 109	60	--	--	355	--
PB 109	-	SL 108	--	20	--	465	--
PB 109	-	PB 108	--	120	--	660	--
PB 109	-	SL 110	305	--	--	1,580	--
SL 110	-	SL 112	325	--	--	1,675	--
SL 112	-	PB 110	5	--	16	--	PULL WIRE ONLY
PB 110	-	PB 111	--	60	72	--	PULL WIRE ONLY
PB 111	-	SL 111	175	--	186	--	PULL WIRE ONLY
SL 111	-	SL 109	360	--	--	1,850	--
SL 109	-	PB 108	175	--	--	930	--
PB 108	-	SL 106	--	10	--	315	--
PB 108	-	PB 107	60	--	--	360	--
PB 107	-	PB 104	--	260	--	1,360	--
PB 107	-	SL 105	--	20	--	155	--
PB 107	-	PB 106	185	--	197	--	PULL WIRE ONLY
PB 106	-	PB 105	--	70	82	--	PULL WIRE ONLY
PB 105	-	SL 104	5	--	16	--	PULL WIRE ONLY
SL 104	-	PB 104	210	--	--	1,105	--
PB 104	-	SL 103	--	35	--	690	--
PB 104	-	CB 100	--	50	--	330	--
CB 200	-	PB 211	--	40	--	280	--
PB 211	-	SL 212	--	10	--	210	--
PB 211	-	PB 209	--	230	--	1,210	--
PB 211	-	PB 212	230	--	242	--	PULL WIRE ONLY
PB 212	-	PB 213	--	90	102	--	PULL WIRE ONLY
PB 213	-	SL 213	15	--	26	--	PULL WIRE ONLY
SL 213	-	PB 209	235	--	--	1,230	--
PB 209	-	SL 210	--	15	--	260	--
PB 209		PB 208	70	--	--	410	--
PB 208	-	SL 209	--	25	--	540	--
PB 208	-	PB 207	--	60	--	720	--
PB 207	-	SL 208	210	--	--	1,105	--
SL 208	-	PB 206	35	--	46	--	PULL WIRE ONLY
PB 207	-	PB 205	--	55	--	335	--
PB 205	-	SL 207	--	25	--	180	--
PB 205	-	PB 202	90	--	102	--	PULL WIRE ONLY
PB 202	-	SL 206	--	10	--	210	--
PB 202	-	PB 203	--	110	--	610	--
PB 202	-	SL 202	320	--	--	1,655	--
SL 202	-	SL 200	360	--	--	1,850	--
SL 200	-	PB 200	5	--	16	--	PULL WIRE ONLY
PB 200	-	PB 201	--	60	72	--	PULL WIRE ONLY
PB 201	-	SL 201	175	--	186	--	PULL WIRE ONLY
SL 201	-	SL 203	350	--	--	1,800	--
SL 203	-	PB 203	180	--	--	955	--
PB 203	-	SL 204	--	15	--	390	--
PB 203	-	PB 204	70	--	--	410	--
PB 204	-	SL 205	--	15	--	260	--
PB 204	-	PB 210	--	125	--	685	--
PB 204	-	PB 210	--	125	137	--	PULL WIRE ONLY
PB 210	-	SL 211	--	5	--	160	--
PB 210	-	CB 200	--	50	--	330	--
PB 210	-	CB 200	--	50	66	--	PULL WIRE ONLY
PRJOECT TOTALS			4810	2025	2151	29865	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

LIGHTING PULLBOXES

PULLBOX NUMBER	STATION	OFFSET	R/L	* 653.0164 PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH
ALL ITEMS ARE CATEGORY 0010				
PB 100	29+49.7'NB'	25.2'	RT	1
PB 101	29+49.8'SB'	24.2'	LT	1
PB 102	31+38.6'SB'	40.2'	LT	1
PB 103	31+38.5'NB'	41.6'	RT	1
PB 104	832+07.5'FA'	23.0'	RT	1
PB 105	102+12.7'EB'	24.3'	RT	1
PB 106	102+07.3'CW'	24.3'	LT	1
PB 107	100+01.8'CW'	43.0'	LT	1
PB 108	33+34.3'NB'	42.6'	RT	1
PB 109	33+23.6'SB'	40.7'	LT	1
PB 110	39+90.2'SB'	24.2'	LT	1
PB 111	39+98.9'NB'	24.2'	RT	1
PB 200	52+24.3'NB'	24.3'	RT	1
PB 201	52+27.5'SB'	24.2'	LT	1
PB 202	59+35.1'NB'	40.9'	RT	1
PB 203	59+10.1'SB'	43.1'	LT	1
PB 204	959+93.8'FM'	23.0'	LT	1
PB 205	600+36.9'EGE'	39.9'	RT	1
PB 206	602+63.5'EGE'	11.6'	LT	1
PB 207	600+43.9'EGE'	12.4'	LT	1
PB 208	600+12.3'EGW'	42.4'	LT	1
PB 209	61+25.0'NB'	41.5'	RT	1
PB 210	860+37.8'FN'	23.0'	LT	1
PB 211	60+96.6'SB'	42.1'	LT	1
PB 212	63+45.4'SB'	35.1'	LT	1
PB 213	63+59.9'NB'	36.6'	RT	1
PROJECT TOTALS				26

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

STREET LIGHTING

LIGHT NUMBER	STATION	OFFSET	R/L	* 654.0105 CONCRETE BASES TYPE 5 EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/12-INCH BOLT CIRCLE EACH	657.0322 POLES TYPE 5 ALUMINUM EACH	657.0710 LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 12-FT EACH	659.1115 LUMINAIRES UTILITY LED A EACH	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF
ALL ITEMS ARE CATEGORY 0010									
SL 100	29+56.9'SB'	26.0'	LT	1	1	1	1	1	159
SL 101	31+62.7'SB'	42.4'	LT	1	1	1	1	1	159
SL 102	31+26.8'NB'	40.8'	RT	1	1	1	1	1	159
SL 103	100+10.4'CE'	42.4'	RT	1	1	1	1	1	159
SL 104	102+08.2'CE'	26.3'	RT	1	1	1	1	1	159
SL 105	100+36.5'CW'	40.5'	LT	1	1	1	1	1	159
SL 106	33+23.8'NB'	43.3'	RT	1	1	1	1	1	159
SL 107	932+81.9'FJ'	22.8'	LT	1	1	1	1	1	159
SL 108	33+57.6'SB'	42.8'	LT	1	1	1	1	1	159
SL 109	34+95.5'NB'	26.7'	RT	1	1	1	1	1	159
SL 110	36+45.8'SB'	25.7'	LT	1	1	1	1	1	159
SL 111	38+40.1'NB'	26.2'	RT	1	1	1	1	1	159
SL 112	39+81.4'SB'	25.7'	LT	1	1	1	1	1	159
SL 200	52+54.9'NB'	26.3'	RT	1	1	1	1	1	159
SL 201	51+00.4'SB'	26.3'	LT	1	1	1	1	1	159
SL 202	55+53.6'NB'	26.3'	RT	1	1	1	1	1	159
SL 203	57+47.1'SB'	26.3'	LT	1	1	1	1	1	159
SL 204	59+24.8'SB'	43.1'	LT	1	1	1	1	1	159
SL 205	960+14.4'FM'	22.8'	LT	1	1	1	1	1	159
SL 206	59+13.5'NB'	40.9'	RT	1	1	1	1	1	159
SL 207	600+11.4'EGE'	41.8'	RT	1	1	1	1	1	159
SL 208	602+52.0'EGE'	11.4'	LT	1	1	1	2	2	318
SL 209	600+53.3'EGW'	40.2'	LT	1	1	1	1	1	159
SL 210	61+12.7'NB'	43.0'	RT	1	1	1	1	1	159
SL 211	860+31.7'FN'	22.8'	LT	1	1	1	1	1	159
SL 212	61+15.4'SB'	41.0'	LT	1	1	1	1	1	159
SL 213	63+59.9'NB'	36.6'	RT	1	1	1	1	1	159
PROJECT TOTALS				27	27	27	28	28	4452

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

LIGHTING CONTROL

CABINET NUMBER	STATION	OFFSET	R/L	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30 EACH	656.0200.001 ELECTRICAL SERVICE METER BREAKER PEDESTAL (CB100) LS	656.0200.002 ELECTRICAL SERVICE METER BREAKER PEDESTAL (CB200) LS	659.2130 LIGHTING CONTROL CABINETS 120/240 30-INCH EACH
ALL ITEMS ARE CATEGORY 0010							
CB100	831+64.1'FA'	25.8'	RT	1	1	--	1
CB200	860+72.7'FN'	25.8'	LT	1	--	1	1
PROJECT TOTALS				2	1	1	2

3

Conduit Rigid Nonmetallic Schedule 40

		*	*
LOCATION		652.0225	652.0235
CTH VV-Ramp CD RAB		2-Inch	3-Inch
CB1	PB1		10
CB1	PB1		10
PB1	LB1	20	
PB1	PB2	110	
PB1	PB3	120	
PB3	LB2	40	
PB3	LB3	120	
PB3	PB4	170	
PB4	LB4	30	
PB4	PB5	100	
PB5	LB5	20	
PB5	PB6	120	
PB6	LB6	30	
PB6	PB7	110	
PB7	LB7	10	
PB7	PB1	160	
PB1	Drain	20	
PB3	Drain	20	
PB5	Drain	20	
PB6	Drain	20	
	TOTAL	1,240	20

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

Concrete Bases

		*
	*	SPV.0060.30
	654.0105	Control
	Type 5	Cabinet
		NER Type 10
LOCATION	EACH	EACH
CTH VV-Ramp CD RAB	7	1

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

Non-Conductive Pull Boxes

	*
	653.0164
	24x42-Inch
LOCATION	EACH
CTH VV-Ramp CD RAB	7

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

Electrical Wire Lighting

			10AWG	12AWG	
					*
LOCATION			*	*	655.0610
CTH VV-Ramp CD RAB			655.0615	655.0610	Equipment
			Ungrounded	Ungrounded	Grounding
(240 VOLT SYSTEM)			Conductor	Conductor	Conductor
			(see Circuit Color)	**(Black)/(Red)**	**(Green)**
Circuit	FROM	TO	LF	LF	LF
A	CB1	LB1	120		
(Black)	LB1	Luminaires		100	50
	CB1	LB2	420		
	LB2	Luminaires		100	50
	LB2	LB3	380		
	LB3	Luminaires		100	50
B	CB1	LB4	760		
(Red)	LB4	Luminaires		100	50
	LB4	LB5	380		
	LB5	Luminaires		100	50
C	CB1	LB7	440		
(Blue)	LB7	Luminaire		100	50
	LB7	LB6	380		
	LB6	Luminaire		100	50
		SUB-TOTALS	2,880	700	350
		TOTAL	2,880	1,050	

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

Electrical Wire Lighting 10AWG		
		*
LOCATION		655.0615
CTH VV-Ramp CD RAB		Equipment
		Grounding
(240 VOLT SYSTEM)		Conductor
		(Green)
FROM	TO	LF
CB1	LB1	60
LB1	LB2	220
LB2	LB3	190
LB2	LB4	280
LB4	LB5	190
LB5	LB6	210
LB6	LB7	190
LB7	CB1	220
	TOTAL	1,560

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

Electric Service	
	656.0200.04
	Meter Breaker Pedestal
	(CTH VV-Ramp CD RAB)
LOCATION	LS
CTH VV-Ramp CD RAB	1

Lighting Summary				
	*	*	*	*
	659.1120	657.0710	657.0322	657.0255
	Luminaires	Luminaire Arms	Poles	Transformer Bases
	Utility	Truss Type	Type 5	Breakaway
	LED-B	4 1/2-Inch Clamp	(Aluminum)	11 1/2-Inch
		12-FT		Bolt Circle
LOCATION	EACH	EACH	EACH	EACH
CTH VV-Ramp CD RAB	7	7	7	7

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

Conduit Rigid Nonmetallic Schedule 40

		*	*
LOCATION		652.0225	652.0235
CTH VV-Ramp AB RAB		2-Inch	3-Inch
CB1	PB1		10
CB1	PB1		10
PB1	LB1	10	
PB1	PB2	140	
PB2	LB2	50	
PB2	LB3	120	
LB3	LB4	130	
PB2	PB3	160	
PB3	LB5	40	
PB3	PB4	80	
PB4	LB6	30	
PB4	PB5	100	
PB5	LB7	20	
PB5	PB6	80	
PB6	LB8	20	
PB6	PB7	50	
PB7	PB1	80	
PB2	Drain	20	
PB3	Drain	20	
PB5	Drain	20	
PB7	Drain	20	
	TOTAL	1,190	20

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

Concrete Bases

		*
	*	SPV.0060.30
	654.0105	Control
	Type 5	Cabinet
		NER Type 10
LOCATION	EACH	EACH
CTH VV-Ramp AB RAB	8	1

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

Non-Conductive Pull Boxes

	*
	653.0164
	24x42-Inch
LOCATION	EACH
CTH VV-Ramp AB RAB	7

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

Electrical Wire Lighting

			10AWG	12AWG	
					*
LOCATION			*	*	655.0610
CTH VV-Ramp AB RAB			655.0615	655.0610	Equipment
			Ungrounded	Ungrounded	Grounding
(240 VOLT SYSTEM)			Conductor	Conductor	Conductor
			(see Circuit Color)	**(Black)/(Red)**	**(Green)**
Circuit	FROM	TO	LF	LF	LF
A	CB1	LB1	100		
(Black)	LB1	Luminaires		100	50
	LB1	LB2	480		
	LB2	Luminaires		100	50
	LB2	LB3	580		
	LB3	Luminaires		100	50
B	CB1	LB8	420		
(Red)	LB8	Luminaires		100	50
	LB8	LB7	320		
	LB7	Luminaires		100	50
	LB7	LB6	380		
	LB6	Luminaires		100	50
C	CB1	LB3	620		
(Blue)	LB3	Luminaire		100	50
	LB3	LB4	300		
	LB4	Luminaire		100	50
		SUB-TOTALS	3,200	800	400
		TOTAL	3,200	1,200	

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

Electrical Wire Lighting 10AWG		
		*
LOCATION		655.0615
CTH VV-Ramp AB RAB		Equipment
		Grounding
(240 VOLT SYSTEM)		Conductor
		(Green)
FROM	TO	LF
CB1	LB1	50
LB1	LB2	240
LB2	LB3	200
LB3	LB4	150
LB2	LB5	290
LB5	LB6	190
LB6	LB7	190
LB7	LB8	160
LB8	CB1	210
	TOTAL	1,680

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

Electric Service	
	656.0200.03
	Meter Breaker Pedestal
	(CTH VV-Ramp AB RAB)
LOCATION	LS
CTH VV-Ramp AB RAB	1

Lighting Summary				
	*	*	*	*
	659.1120	657.0710	657.0322	657.0255
	Luminaires	Luminaire Arms	Poles	Transformer Bases
	Utility	Truss Type	Type 5	Breakaway
	LED-B	4 1/2-Inch Clamp	(Aluminum)	11 1/2-Inch
		12-FT		Bolt Circle
LOCATION	EACH	EACH	EACH	EACH
CTH VV-Ramp AB RAB	8	8	8	8

*-ADDITIONAL QUANITITES SHOWN ELSEWHERE

SAWING

CATEGORY	STATION	TO	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
STAGE 2						
0010	64NB+00			MARLEY ST, NB, RT	10	-
0010	64NB+50			MARLEY ST, NB, RT	12	-
0010	66SB+00			MARLEY ST, SB	22	-
0010	637EGE+18			EVERGREEN AVE, EB, RT	28	-
0010	638EGE+24			EVERGREEN AVE, EB, RT	26	-
0010	640EGE+13			EVERGREEN AVE, EB, RT	26	-
0010	642EGE+50			EVERGREEN AVE	24	-
0010	706CT+50			CONNECTION RD, LT	60	5
0010	708CT+25			CONNECTION RD, LT	55	5
0010	709CT+45			CONNECTION RD	40	-
0010	726XMM+00			EXISTING MILLTOWN RD	24	-
0010	726XMM+25			EXISTING MILLTOWN RD, RT	50	-
0010	734XMM+10			EXISTING MILLTOWN RD	24	-
0010	798M+25			MILLWOOD CT	22	-
0010	798M+87			MILLWOOD CT, RT	-	25
				STAGE 2 SUBTOTALS	423	35
STAGE 3						
0010	540EB+75	-	544EB+05	STH 29, EB, LT	340	-
0010	541EB+20	-	543EB+75	STH 29, EB, RT	270	-
0010	540WB+75	-	547WB+65	STH 29, WB, RT	700	-
0010	541WB+34	-	542WB+50	STH 29, WB, LT	135	-
				STAGE 3 SUBTOTALS	1,445	0
STAGE 4						
0010	27NB+00			CTH VV, NB	24	-
0010	29NB+20			CTH VV, NB, RT	12	-
				STAGE 4 SUBTOTALS	36	0
STAGE 5						
0010	516WB+04	-	528WB+64	STH 29, WB, LT	1,280	-
0010	524EB+19	-	529EB+70	STH 29, EB, RT	-	570
0010	554EB+10	-	566EB+61	STH 29, EB, RT	-	1,270
0010	64NB+25	-	65NB+25	MARLEY ST, MEDIAN	220	-
0010	752XO+54			EXISTING OVERLAND RD	60	-
0010	772XT+24			EXISTING TRIANGLE DR	24	-
0010	785XT+99			EXISTING TRIANGLE DR	32	-
				STAGE 5 SUBTOTALS	1,616	1,840
STAGE 6						
0010	479EB+68	-	489EB84	STH 29, EB, LT	1,025	-
0010	479EB+68	-	489EB+84	STH 29, EB, RT	270	760
0010	484WB+67	-	492WB+36	STH 29, WB, LT	15	770
0010	484WB+67	-	494WB+86	STH 29, WB, RT	1,025	-
0010	552EB+30	-	563EB+04	STH 29, EB, LT	1,080	-
0010	553WB+90	-	567WB+22	STH 29, WB, LT	665	685
0010	556WB+00	-	566WB+11	STH 29, WB, RT	1,020	-
0010	572EB+68	-	579WEB+55	STH 29, EB, LT	690	-
0010	576WB+49	-	578WB+55	STH 29, WB, LT	305	-
0010	576WB+49	-	579WB+55	STH 29, WB, RT	305	-

SAWING (CONTINUED)

CATEGORY	STATION	TO	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
STAGE 6 CONTINUED						
0010	11TCR+75			TEMPORARY CONNECTION RD	99	-
0010	100OH+00			OLD HWY 29	30	-
0010	101OH+04			OLD HWY 29, RT	18	-
0010	103OH+00			OLD HWY 29, RT	38	-
0010	113OH+50			OLD HWY 29	-	25
0010	717XCL+52			EXISTING COUNTY LINE RD	80	-
				STAGE 6 SUBTOTALS	6,665	2,240
				TOTAL 0010	10,185	4,115

REMOVING LIGHTING AND PULL BOXES

CATEGORY	STATION	TO	STATION	LOCATION	653.0905 REMOVING PULL BOXES EACH	SPV.0105.01 REMOVE RCUT LIGHTING EQUIPMENT LS
STAGE 3						
0010	541EB+00	-	544EB+00	STH 29, EB, LT & RT	-	0.5
0010	544EB+00	-	547EB+50	STH 29, EB, LT	2	-
				STAGE 3 SUBTOTALS	2	0.5
STAGE 5						
0010	558EB+37	-	560EB+10	STH 29, EB, RT	2	-
				STAGE 5 SUBTOTALS	2	0
STAGE 6						
0010	547EB+50	-	558EB+32	STH 29, EB, LT	6	-
0010	558WB+26	-	560WB+13	STH 29, WB, LT	2	-
0010	560EB+15	-	577EB+50	STH 29, EB, LT	9	-
0010	576WB+50	-	579WB+50	STH 29, WB, LT & RT	-	0.5
				STAGE 6 SUBTOTALS	17	0.5
				TOTAL 0010	21	1

3

FOUNDATION BACKFILL

CATEGORY	STATION	LOCATION	SPV.0035.02 FOUNDATION BACKFILL CY
0010	637EGE+40	EVERGREEN AVE	125
		TOTAL 0010	125

STEEL CASING PIPE

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0090.03 STEEL CASING PIPE 20-INCH LF
0030	34NB+50	-	37NB+50	CTH VV	380
				TOTAL 0030	380

GRADING AND SHAPING TEMPORARY CONNECTION ROAD

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0105.02 GRADING AND SHAPING TEMPORARY CONNECTION ROAD LS	** EXCAVATION COMMON CY	** FILL CY	** BORROW CY
0010	10TRC+45	-	11TCR+80	TEMPORARY CONNECTION RD	1	110	410	300
				TOTAL 0010	1			

** NON-BID ITEM, ITEMS AND QUANTITIES LISTED FOR BID INFORMATION ONLY - ITEMS INCIDENTAL TO GRADING AND SHAPING TEMPORARY CONNECTION ROAD

EROSION CONTROL ITEMS

CATEGORY	LOCATION	* 628.1504 SILT FENCE LF	* 628.1520 SILT FENCE MAINTENANCE LF	* 628.1905 MOBILIZATIONS EROSION CONTROL EACH	* 628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	* 628.7005 INLET PROTECTION TYPE A EACH	* 628.7010 INLET PROTECTION TYPE B EACH	* 628.7015 INLET PROTECTION TYPE C EACH	* 628.7020 INLET PROTECTION TYPE D EACH	* 628.7504 TEMPORARY DITCH CHECKS LF	* 628.7555 CULVERT PIPE CHECKS EACH	* 628.7570 ROCK BAGS EACH
0010	BORE PITS	13,000	1,300	-	-	-	-	-	-	-	-	-
0010	WETLAND SPLICE POINTS	1,000	100	-	-	-	-	-	-	-	-	-
0010	UNDISTRIBUTED	3,500	3,500	12	8	5	5	30	5	500	200	500
	PROJECT 9200-10-72 TOTAL 0010	17,500	4,900	12	8	5	5	30	5	500	200	500

*QUANTITIES SHOWN ELSEWHERE IN PROJECT 9200-10-71

BROADBAND FIBER ITEMS

				HDPE CONDUIT 1.25-INCH AND 2-INCH		FIBER OPTIC CABLE	
CATEGORY	LOCATION	SPV.0060.20 CABLE SPLICE EACH	SPV.0060.21 HANDHOLE EACH	SPV.0090.20 DIRECTIONAL BORED LF	SPV.0090.21 VIBRATORY PLOWED LF	SPV.0090.22 432 STRAND LF	SPV.0090.23 216 STRAND LF
0010	PROJECT LIMITS	10	44	53,873	11,231	47,695	22,909
	TOTAL 0010	10	44	53,873	11,231	47,695	22,909

TRAFFIC CONTROL

CATEGORY	LOCATION	SPV.0105.20 TRAFFIC CONTROL PROJECT 9200-10-72 LS
0010	ENTIRE PROJECT	1
	TOTAL 0010	1

ITS CONDUIT AND CABLE

CATEGORY: 0010

LOCATION	ITEM I.D.	DISTANCE	652.0125 CONDUIT RIGID METALLIC 2-INCH LF	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0605 CONDUIT SPECIAL 2-INCH LF	652.0700.S INSTALL CONDUIT INTO EXISITNG ITEM EACH	653.0140 PULL BOXES STEEL 24 X 42-INCH EACH	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF	655.0525 ELECTRICAL WIRE TRAFFIC SIGNALS 6 AWG LF	673.0200 TRACER WIRE MARKER POSTS EACH	678.0012 INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 12-CT LF	678.0300 FIBER OPTIC SPLICE EACH
STH 29 / 32												
	CVVV01	--	--	--	--	--	--	--	--	--	--	4
	CVVV01 - PBVV01	385	--	385	--	--	--	385	--	--	--	--
	PBVV01	--	--	--	--	--	1	--	--	--	25	--
	PBVV01 - L05-2025	10	--	10	--	--	--	10	30	--	--	--
	PBVV01 - PBVV02	80	--	--	--	--	--	80	240	--	240	--
	PBVV02	--	--	--	--	--	1	--	--	1	25	--
	PBVV02 - CCTV-05-0113	20	20	20	--	--	--	20	60	--	60	--
	CVFF01	--	--	--	--	--	--	--	--	--	100	4
	CVFF01 - EXPBFF01	95	--	--	95	--	--	95	--	--	95	--
	EXPBFF01	--	--	--	--	1	--	--	--	--	25	--
	EXPBFF01 - EXPBFF02	125	--	--	--	--	--	125	--	--	125	--
	EXPBFF02 - EX-CCTV-05-0075	10	--	--	--	--	--	10	--	--	10	--
	EXPBFF02	--	--	--	--	--	--	--	--	1	--	--
	EXCVCR01	--	--	--	--	1	--	--	--	--	100	4
	EXCVCR01 - EXCVCR02	30	--	30	--	--	--	30	--	--	30	--
	EXCVCR02	--	--	--	--	--	--	--	--	1	100	4
	TOTAL		20	445	95	2	2	755	330	3	935	16

ITS CAMERA

CATEGORY: 0010

LOCATION	ITEM I.D.	654.1150 CONCRETE BASES CAMERA POLE 50-FOOT EACH	656.0500.01 ELECTRICAL SERVICE BREAKER DISCONNECT BOX (CCTV-05-0113) LS	673.0225.S INSTALL POLE MOUNTED CABINET EACH	677.0150 INSTALL CAMERA POLE 50-FOOT EACH	677.0200 INSTALL CAMERA ASSEMBLY EACH	678.0400 FIBER OPTIC TERMINATION EACH	678.0600 INSTALL ETHERNET SWITCHES EACH	SPV.0060.22 GROUND ROD EACH
STH 29 / 32									
	CCTV-05-0113	1	1	1	1	1	6	1	1
	EX-CCTV-05-0075	--	--	--	--	--	6	--	--
	TOTAL	1	1	1	1	1	12	1	1

ITS LUMP SUM ITEMS

CATEGORY: 0010

LOCATION	ITEM ID ID	670.0100 FIELD SYSTEM INTEGRATOR L.S.	670.0200 ITS DOCUMENTATION L.S.	678.0500 COMMUNICATION SYSTEM TESTING L.S.
STH 29 / 32				
	PROJECT	1	1	1
TOTAL		1	1	1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
PROJECT NO. 9200-10-21
SHAWANO - GREEN BAY
CTH VV INTERCHANGE
STH 29
BROWN COUNTY



CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
NATIONAL GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
BROWN CO. PLSS CORNER INDEX NO. 49E-16

SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES
R/W MONUMENT
NON-MONUMENTED R/W POINT
1" IRON PIPE FOUND
VALVE (GAS, WATER, ETC.)
SIGN
OFF-PREMISE SIGN

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS CONTROL NEW ROADWAY
ACCESS CONTROLLED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)

BRIDGE
PARCEL NUMBER 25
UTILITY NUMBER 40

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF BEGINNING	POB
ACRES	AC	POINT OF CURVATURE	PC
AHEAD	AH	POINT OF COMPOUND CURVE	PCC
ALUMINUM	ALUM	POINT OF INTERSECTION	PI
AND OTHERS	ET AL	PROPERTY LINE	PL
BACK	BK	RECORDED AS	(100')
BLOCK	BLK	REFERENCE LINE	R/L
BUILDING	B	REMAINING	REM
CENTERLINE	C/L	RIGHT	RT
CERTIFIED SURVEY MAP	CSM	RIGHT OF WAY	R/W
CONCRETE	CONC	SECTION	SEC
COUNTY	CO	SEPTIC VENT	SEPV
COUNTY TRUNK HIGHWAY	CTH	SQUARE FEET	SF
DISTANCE	DIST	STATE TRUNK HIGHWAY	STH
CORNER	COR	STATION	STA
DOCUMENT NUMBER	DOC	SUBDIVISION	SUBD
EASEMENT	EASE	TANGENT	TAN
EXISTING	EX	TELEPHONE PEDESTAL	TP
GAS VALVE	GV	TEMPORARY LIMITED EASEMENT	TLE
GOVERNMENT	GOV'T	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		

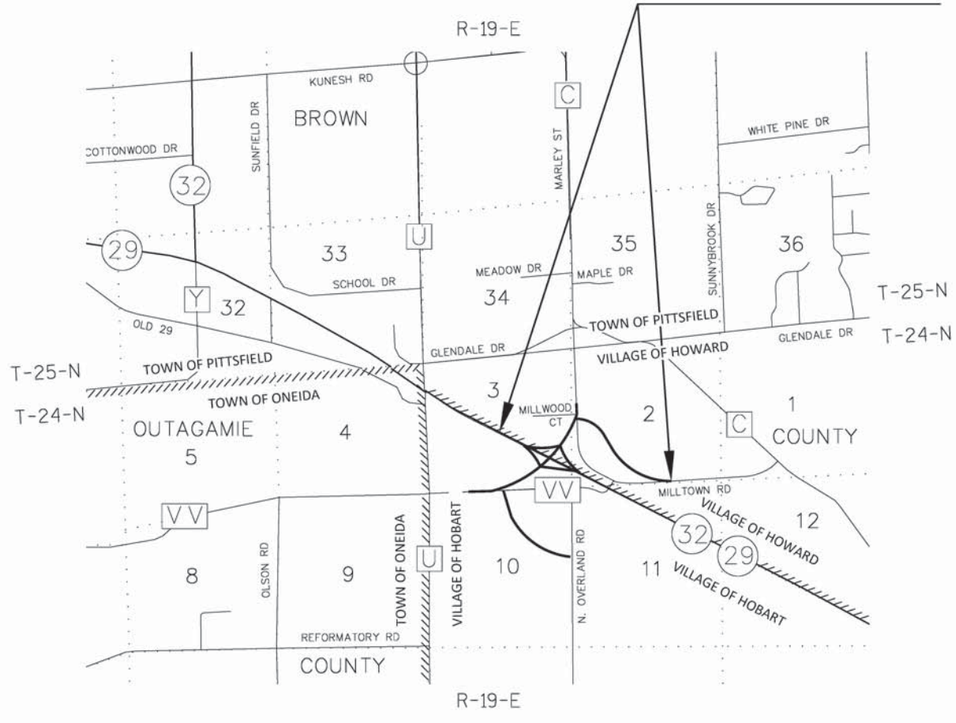
CURVE DATA

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

CONVENTIONAL UTILITY SYMBOLS

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

PROJECT LOCATION



THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 9200-10-21.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), BROWN COUNTY, NAD83(2007), 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 1" I.D. X 24" IRON PIPES), 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, THE RIGHT OF INGRESS AND EGERESS, 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 OWNERS 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 THE NORTHEAST REGION.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

EXISTING ACCESS CONTROL ALONG STH 29/32 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECTS 1058-14-00, 9202-2-22, 9202-2-60 & DOC. 2399299.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 29/32 IS ESTABLISHED FROM PREVIOUS PROJECTS 9202-10-00 & 9202-2-22.

EXISTING HIGHWAY RIGHT-OF-WAY FOR N. OVERLAND ROAD IS ESTABLISHED FROM PREVIOUS PROJECT 9202-2-22 & STATE STATUTE 82.31 (66' WIDE) CENTERED ON SECTION LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR MILLTOWN ROAD IS ESTABLISHED FROM PREVIOUS PROJECT 9202-2-22, CSM 5218, CSM 5468, CSM 7533, CSM 6484, CSM 6471, CSM 6472, CSM 8892 AND STATE STATUTE 82.31 (66' WIDE) CENTERED ON CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR MILLWOOD COURT IS ESTABLISHED FROM CSM 882 &, CSM 902.

EXISTING HIGHWAY RIGHT-OF-WAY FOR MILLWOOD LANE IS ESTABLISHED FROM CSM 5545.

EXISTING HIGHWAY RIGHT-OF-WAY FOR MARLEY STREET IS ESTABLISHED FROM PREVIOUS PROJECT 9202-12-21, 9202-2-22 & 9202-12-21, CSM 5545, CSM 5399 AND STATE STATUTE 82.31 (66' WIDE) CENTERED ON CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH VV/TRIANGLE DRIVE IS ESTABLISHED FROM STATE STATUTE 82.31 (66' WIDE) CENTERED ON CENTERLINE.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9200-10-21 - 4.01
SHEET 2 OF 3

FILE NAME : G:\AYRES\A20-10032-000\CIVIL 3D\SHEETSPLAN\RW\TITLE SHEET-BROWN.DWG
PLOT DATE :
PLOT BY : SCOTT DEMEUSE
PLOT NAME :
LAYOUT NAME - ****
9200-10-21 - 4.01

TRANSPORTATION PROJECT PLAT NO: 9200-10-21 - 4.01

THAT PART OF GOVERNMENT LOTS 6, 7, 8, 9, 10 IN SECTION 3, T24N, R19E, VILLAGE OF HOBART, BROWN COUNTY, WISCONSIN.

RELOCATION ORDER STH 29, SHAWANO - GREEN BAY, CTH VV INTERCHANGE, BROWN COUNTY

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

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

2872762
VOLUME:
PAGE:
CHERYL BERKEN
BROWN COUNTY RECORDER
GREEN BAY, WI
RECORDED ON
09/09/2019 10:58 AM
REC FEE: 25.00
PAGES: 3
*The above recording Information verifies that this document has been electronically recorded and returned to the submitter**

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9200-10-21 - 4.01
SHEET 1 OF 3
AMENDMENT NO:

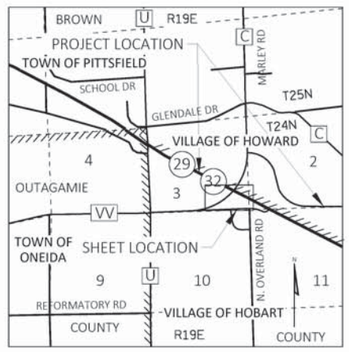
KL Engineering
[A] Better Experience

I, TIMOTHY HELD, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 9200-10-21-4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN TIMOTHY M. HELD S-2591 MADISON, WI LAND SURVEYOR

TIMOTHY M. HELD — 9-06-2019
AGENT FOR KL ENGINEERING, INC. — DATE
P.L.S. NUMBER 2591
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.
CURT VAN EREM — 9-06-2019
DATE

LOCATION SKETCH



GN

SCALE, FEET
0 100 200

T 24 N
4 3
R 19 E
CLOSING CORNER
PK NAIL W/WASHER
Y = 592,780.133
X = 54,093.280
49B/C-13

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTEREST TO D.O.T.
ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
1	JAMES & SANDRA KROPP REVOCABLE LIVING TRUST	FEE	1.26	----	1.26	----
2	TERRY R. & HEATHER R. WARAX	FEE	0.03	0.08	0.11	----
3	HILGENBERG - STURGUL, INC.	FEE, TLE, AR	15.37	----	15.37	2.17

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
201	WISCONSIN PUBLIC SERVICE CORP. - ELECTRIC	RELEASE OF RIGHTS

GOV'T. LOT 3
FORMER ONEIDA NATION LANDS LINE
S60°34'36"E 4399.87' SEC. COR. TO R/W
MATCH LINE STA. 525+00'EB'
EB'
VILLAGE
GOV'T. LOT 6
SIXTEENTH LINE
STA. 529+99.97'EB'
GOV'T. LOT 10
GOV'T. LOT 9
GOV'T. LOT 4
SEC.3
530'EB'
235'
135'
100'
535'EB'
EB STH 29/32
S61°40'30"E
1 1.21 ACRES
201 WISCONSIN PUBLIC SERVICE CORP. - ELECTRIC PARCEL 1
SEE SHEET 9200-10-21-4.02
VILLAGE OF HOWARD
VILLAGE OF HOBART
N60°34'36"W 1159.18' R/L TO R/W
T155
T156
T154
TLE - SLOPES 0.63 ACRES
3
GOV'T. LOT 2
GOV'T. LOT 3
GOV'T. LOT 5
GOV'T. LOT 6
STA. 518+38.27'EB'
N01°12'17"W 155.29' R/L TO R/W
N01°12'17"W 114.80' R/W TO R/L
QUARTER LINE
520'EB'
MATCH LINE STA. 525+00'EB'
SEC.3
GOV'T. LOT 8
GOV'T. LOT 7
GOV'T. LOT 10
GOV'T. LOT 9
GOV'T. LOT 11
SE-SW
SIXTEENTH LINE
STA. 533+40.48'EB'
TLE - SLOPES 1.54 ACRES
0.05 ACRES
201 WISCONSIN PUBLIC SERVICE CORP. - ELECTRIC PARCEL 3
N75°34'50"E 45.37' TRAV. PT. TO PC
100'
61'
B
T150
T151
T152
BP: 26+00.00'NB'
PC: 27+15.53'NB'
PI: 27+56.90'NB'
PT: 27+98.24'NB'
PC: 28+99.18'NB'
PT: 30+37.25'NB'
PC: 30+89.57'NB'
PI: 31+28.94'NB'
PT/PI: 31+65.18'NB'
PI: 33+14.69'NB'
PC: 34+97.03'NB'
PI: 36+94.86'NB'
PI: 39+59.74'NB'
N00°37'02"W 32.63' R/L TO R/W
N89°22'58"E
S86°18'32"E
S82°10'21"E
N75°34'50"E
N80°30'24"E
PI: 29+68.52'NB'
30'NB'
35'NB'
40'NB'
45'NB'
CTH VV
TRIANGLE DRIVE
N89°22'43"E 513.89'
SEC. CORNER TO TRAV. PT.
N00°37'02"W 0.37'
SEC. LINE TO R/L
S89°22'43"W 46.54'
SEC. COR. TO TRAV. PT.
1/16TH CORNER
MAG NAIL W/WASHER
Y = 589,136.288
X = 58,100.114
49E-16
T 24 N
3 10
R 19 E
MAG NAIL W/WASHER
Y = 589,122.167
X = 56,797.870
49E-15
STA. 47+74.86'NB'
CLOSING CORNER
BRASS CAP MON.
Y = 589,823.016
X = 59,336.349
49D/E-17
N60°34'36"W 460.44' SEC. COR. TO R/L
N28°17'29"E
NB CTH VV
STA.541+95.96'EB' = STA. 45+83.92'NB'
545'EB'
PT: 44+43.93'NB'
PI: 44+14.35'NB'
N20°06'34"E
PT/PI: 41+88.26'NB'
PI: 41+54.17'NB'
PC: 41+17.53'NB'
N47°06'44"E
PC: 43+84.66'NB'
PI: 43+37.21'NB'
PT: 40+33.31'NB'
N31°36'47"E
PCC: 38+85.13'NB'
HOBART
MAG NAIL W/WASHER
Y = 589,153.371
X = 59,403.171
49E-17
N. OVERLAND ROAD
STA. 547+79.15'EB'
S05°41'55"E 219.73' SEC. COR. TO R/L
S05°41'55"E 120.56' R/L TO TRAV. PT.
N05°41'55"W 332.68' SEC. COR. TO TRAV. PT.
S89°14'56"W 601.84' SEC. COR. TO TRAV. PT.
33'

FILE NAME : G:\AYRES\A20-10032-000\CIVIL 3D\SHEETSPLAN\RW\040101-RP-2019 REVISIONS.DWG
PLOT DATE : 9/6/2019 10:15 AM PLOT BY : SCOTT DEMEUSE PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : SEPTEMBER 6, 2019

TRANSPORTATION PROJECT PLAT NO: 9200-10-21 - 4.01

RELOCATION ORDER STH 29, SHAWANO - GREEN BAY, CTH VV INTERCHANGE, BROWN COUNTY

SHEET 3 OF 3 FOR COURSE TABLES, OFFSET TABLES, CURVE INFORMATION AND SCHEDULE OF INTERESTS.

HIGHWAY	BASIS
STH 29/32	PREVIOUS PROJECTS 9202-2-22 & 9202-10-00
CTH VV/TRIANGLE DRIVE	STATE STATUTE 82.31 (66' WIDE) CENTERED ON CENTERLINE
N. OVERLAND ROAD	PREVIOUS PROJECT 9202-2-22 & STATE STATUTE 82.31 (66' WIDE) CENTERED ON CENTERLINE

EASEMENT TABLE		
OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL NO.
WISCONSIN PUBLIC SERVICE CORP. - ELECTRIC	NO EASEMENT OF RECORD FOUND	1, 3

NOTES:

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN BROWN COUNTY AS SHEET 2 OF 3 OF THIS DOCUMENT.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), BROWN COUNTY, NAD83(2007), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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

FOUND PROPERTY PIPES ARE 1" IRON PIPE, UNLESS OTHERWISE NOTED.

SEE SHEET 3 OF 3 FOR COURSE TABLES, OFFSET TABLES, CURVE INFORMATION AND SCHEDULE OF INTERESTS.

EXISTING ACCESS CONTROL ALONG STH 29/32 IS ESTABLISHED FROM PREVIOUS PROJECTS 1058-14-00, 9202-2-22 & 9202-2-60.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 1" I.D. X 24" IRON PIPES), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

NB CTH VV

PI STA = 27+56.90'NB'
Y = 589128.723
X = 57368.625
DELTA = 4°18'30" RT
D = 5°12'31"
T = 41.38'
L = 82.71'
R = 1100.00'
PC STA = 27+15.53'NB'
PT STA = 27+98.24'NB'

PI STA = 29+68.52'NB'
Y = 589115.097
X = 57579.845
DELTA = 13°11'04" LT
D = 9°32'57"
T = 69.34'
L = 138.07'
R = 600.00'
PC STA = 28+99.18'NB'
PT STA = 30+37.25'NB'

PI STA = 31+28.94'NB'
Y = 589141.656
X = 57738.667
DELTA = 39°23'00" RT
D = 52°05'13"
T = 39.37'
L = 75.61'
R = 110.00'
PC STA = 30+89.57'NB'
PT STA = 31+65.18'NB'
AH BEARING = S60°06'36"E

PI STA = 31+65.15'NB'
Y = 589122.038
X = 57772.798
DELTA = 22°03'45" LT
BK BEARING = S60°06'36"E
AH BEARING = S82°10'21"E

PI STA = 33+14.69'NB'
Y = 589101.675
X = 57920.918
DELTA = 22°14'49" LT

PI STA = 36+94.86'NB'
Y = 589196.343
X = 58289.108
DELTA = 27°23'06" LT
D = 7°03'22"
T = 197.83'
L = 388.10'
R = 812.00'
PC STA = 34+97.03'NB'
PCC STA = 38+85.13'NB'
AH BEARING = N48°11'44"E

PI STA = 39+59.74'NB'
Y = 589377.952
X = 58492.195
DELTA = 16°34'58" LT
D = 11°11'26"
T = 74.61'
L = 148.18'
R = 512.00'
PCC STA = 38+85.13'NB'
PT STA = 40+33.31'NB'
BK BEARING = N48°11'44"E

PI STA = 41+54.17'NB'
Y = 589544.414
X = 58594.656
DELTA = 36°50'32" RT
D = 52°05'13"
T = 36.64'
L = 70.73'
R = 110.00'
PC STA = 41+17.53'NB'
PT STA = 41+88.26'NB'
AH BEARING = N68°27'19"E

PI STA = 41+88.26'NB'
Y = 589557.869
X = 58628.734
DELTA = 21°20'35" LT
BK BEARING = N68°27'19"E
AH BEARING = N47°06'44"E

PI STA = 43+37.21'NB'
Y = 589659.233
X = 58737.862
DELTA = 27°00'10" LT

PI STA = 44+14.35'NB'
Y = 589731.669
X = 58764.383
DELTA = 8°10'55" RT
D = 13°48'22"
T = 29.68'
L = 59.26'
R = 415.00'
PC STA = 43+84.66'NB'
PT STA = 44+43.93'NB'

R/W COURSE TABLE			
FROM POINT	TO POINT	BEARING	DISTANCE
100	101	S05° 41' 55"E	340.29'
101	102	N61° 40' 28"W	98.61'
102	103	S01° 53' 43"E	110.21'
103	104	S61° 40' 28"E	67.61'
104	105	S05° 41' 55"E	62.19'
105	106	S89° 15' 56"W	566.88'
106	107	S05° 05' 40"E	141.93'
107	108	S05° 05' 40"E	33.10'
108	109	S89° 14' 56"W	701.33'
109	110	S89° 22' 43"W	788.43'
110	111	N00° 37' 02"W	33.00'
111	112	N00° 37' 02"W	7.37'
112	113	N87° 43' 31"E	345.74'
113	114	N63° 10' 06"E	147.08'
114	115	N77° 00' 06"E	202.60'
115	116	S65° 25' 49"E	92.67'
116	117	N68° 58' 14"E	174.81'
117	118	N45° 50' 06"E	169.76'
118	119	N28° 16' 00"E	199.93'
119	120	N49° 32' 33"W	281.63'
120	121	N36° 39' 29"W	331.06'
121	122	N44° 06' 13"W	314.68'
122	123	N55° 07' 05"W	263.58'
123	124	N61° 40' 28"W	943.29'
124	125	N01° 12' 17"W	270.09'
125	126	S61° 40' 28"E	47.22'
126	127	S64° 35' 20"E	491.68'
127	128	S61° 40' 28"E	400.00'
128	129	S69° 21' 07"E	298.68'
129	130	S79° 31' 05"E	42.95'
130	100	S60° 34' 36"E	1619.62'

R/W Station & Offset Table		
Point No.	Station	Offset
100	546+56.21 EB	182.12'
101	548+46.61 EB	99.92'
102	547+48.01 EB	99.92'
103	548+03.48 EB	195.15'
104	548+71.09 EB	195.15'
105	549+05.88 EB	246.69'
106	40+63.12 NB	280.55'
107	39+84.45 NB	369.39'
108	39+70.56 NB	391.95'
109	34+96.87 NB	11.10'
110	27+00.00 NB	0.37 RT.
111	27+00.00 NB	32.63'
112	27+00.00 NB	40.00'
113	30+54.78 NB	53.13'
114	31+41.47 NB	122.35'
115	34+25.00 NB	170.00'
116	34+97.03 NB	111.69'
117	37+00.00 NB	110.00'
118	39+00.00 NB	135.00'
119	41+25.00 NB	160.00'
120	537+00.00 EB	365.00'
121	534+00.00 EB	225.00'
122	531+00.00 EB	130.00'
123	528+38.14 EB	99.90'
124	518+94.86 EB	99.89'
125	517+61.74 EB	135.11'
126	518+08.95 EB	135.11'
127	523+00.00 EB	160.10'
128	527+00.00 EB	160.10'
129	529+96.00 EB	200.00'
130	530+36.88 EB	213.16'

TLE Station & Offset Table		
Point No.	Station	Offset
T150	30+09.30 NB	41.76'
T151	30+64.72 NB	298.04'
T152	34+57.75 NB	301.06'
T154	531+43.86 EB	349.80'
T155	530+89.11 EB	237.43'
T156	532+27.03 EB	170.23'

FILE NAME : G:\AYRES\A20-10032-000\CIVIL 3D\SHEETSPLAN\RW\040101-RP-2019 REVISIONS.DWG
APPRAISAL PLAT DATE : SEPTEMBER 6, 2019
PLOT DATE : 9/6/2019 11:22 AM PLOT BY : SCOTT DEMEUSE PLOT NAME : PLOT SCALE : **********

TRANSPORTATION PROJECT PLAT NO: 9200-10-21 - 4.02

THAT PART OF GOVERNMENT LOTS 3 & 4, SECTION 3, T24N, R19E, VILLAGE OF HOWARD, BROWN COUNTY, WISCONSIN.

RELOCATION ORDER STH 29, SHAWANO - GREEN BAY, CTH VV INTERCHANGE, BROWN COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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.

NB CTH VV

PI STA = 48+42.32'NB'
Y = 590108.609
X = 58967.271
DELTA = 39°46'23" RT
D = 52°05'13"
T = 39.79'
L = 76.36'
R = 110.00'
PC STA = 48+02.53'NB'
PT STA = 48+78.89'NB'
AH TAN BRG = N68°03'52"E

PI STA = 48+78.89'NB'
Y = 590123.474
X = 59004.180
DELTA = 22°26'00" LT
AH TAN BRG = N45°37'52"E
BK TAN BRG = N68°03'52"E

PI STA = 51+39.30'NB'
Y = 590333.253
X = 59145.979
DELTA = 3°53'10" RT
D = 2°51'53"
T = 67.85'
L = 135.65'
R = 2000.00'
PC STA = 50+71.45'NB'
PT STA = 52+07.10'NB'

PI STA = 55+73.47'NB'
Y = 590735.351
X = 59309.877
DELTA = 23°33'21" LT
D = 4°43'39"
T = 252.71'
L = 498.28'
R = 1212.00'
PC STA = 53+20.76'NB'
PT STA = 58+19.04'NB'

PI STA = 59+12.82'NB'
Y = 591081.738
X = 59301.535
DELTA = 41°40'20" RT
D = 52°05'13"
T = 41.86'
L = 80.00'
R = 110.00'
PC STA = 58+70.95'NB'
PT STA = 59+50.96'NB'
AH TAN BRG = N40°17'33"E

PI STA = 59+50.96'NB'
Y = 591113.670
X = 59328.609
DELTA = 23°27'22" LT
AH TAN BRG = N16°50'11"E
BK TAN BRG = N40°17'33"E

NOTES:

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN BROWN COUNTY AS SHEET 2 OF 3 OF DOCUMENT NO. 2872762.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), BROWN COUNTY, NAD83(2007), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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

FOUND PROPERTY PIPES ARE 1" IRON PIPE, UNLESS OTHERWISE NOTED.

EXISTING ACCESS CONTROL ALONG STH 29/32 IS ESTABLISHED FROM PREVIOUS PROJECTS 1058-14-00, 9202-2-22, 9202-2-60 & DOC. 2399299.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 1" I.D. X 24" IRON PIPES), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

R/W COURSE TABLE			
FROM POINT	TO POINT	BEARING	DISTANCE
200	201	N60° 34' 36"W	1619.62'
201	202	S79° 31' 05"E	1106.13'
202	203	N29° 26' 29"E	219.39'
203	204	N14° 38' 46"E	277.94'
204	205	N01° 22' 47"W	246.42'
205	206	N59° 44' 04"W	88.36'
206	207	S87° 46' 14"W	332.14'
207	208	N00° 11' 08"W	147.17'
208	209	N87° 46' 14"E	497.64'
209	210	N87° 46' 14"E	57.31'
210	200	S00° 11' 28"E	1501.11'

KL Engineering
[A] Better Experience

I, TIMOTHY HELD, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 9200-10-21-4.02 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN TIMOTHY M. HELD S-2591 MADISON, WI LAND SURVEYOR

9-19-2019
TIMOTHY M. HELD — DATE
AGENT FOR KL ENGINEERING, INC.
P.L.S. NUMBER 2591
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

9-19-2019
CURT VAN EREM — DATE

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
201	WISCONSIN PUBIC SERVICE CORP. - ELECTRIC	RELEASE OF RIGHTS
202	NET LEC, LLC	RELEASE OF RIGHTS

GN

SCALE, FEET
0 100 200

ACQUIRED UNDER PROJECT 9202-12-21.

T 24 N / R 19 E (3, 4)
CLOSING CORNER
PK NAIL W/WASHER
Y = 592,780.133
X = 54,093.280
49B/C-13

S60°34'36"E 4399.87'
SEC. COR. TO R/W

VILLAGE OF HOWARD
VILLAGE OF HOBART
FORMER ONEIDA NATION LANDS LINE

SEE SHEET 9200-10-21-4.01
525'EB'

135'

530'EB'

SIXTEENTH LINE

S61°40'30"E

EB STH 29/32

535'EB'

540'EB'

545'EB'

GOV'T. LOT 3

SIXTEENTH LINE

SEC. 3

GOV'T. LOT 4

OF

VILLAGE

AMERICAN TRANSMISSION COMPANY LLC DOC. 1788439
OH
OH
OH

100'

R/W Station & Offset Table		
Point No.	Station	Offset
200	546+56.21 EB	182.12'
201	530+36.88 EB	213.16'
202	51+70.00 NB	155.00'
203	53+92.15 NB	125.00'
204	57+00.26 NB	109.71'
205	59+11.39 NB	131.11'
206	59+16.83 NB	218.37'
207	58+92.94 NB	535.17'
208	59+16.31 NB	576.82'
209	61+73.65 NB	92.40'
210	61+71.06 NB	35.15'

WISCONSIN PUBLIC SERVICE CORP. - ELECTRIC
PARCEL 1
UNOCCUPIED EASEMENT
201

S60°34'36"E 1159.18'
R/W TO R/L

STA. 47+74.87'NB'

EASEMENT TABLE		
OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL NO.
WISCONSIN PUBLIC SERVICE CORP. - ELECTRIC	15' EASEMENT DOC. NO. 2389766	1
WISCONSIN PUBLIC SERVICE CORP. - ELECTRIC	15' EASEMENT DOC. NO. 2389765	4
NET LEC, LLC	NO EASEMENT OF RECORD FOUND	4
AMERICAN TRANSMISSION COMPANY, LLC	DOC. NO. 1788439	5

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTEREST TO D.O.T.
ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
1	JAMES & SANDRA KROPP REVOCABLE LIVING TRUST	FEE	3.18	----	3.18	----
4	JOSEPH E. BRUSKY & MARY JO BRUSKY AS SURVIVORSHIP MARITAL PROPERTY	FEE, AR	5.92	----	5.92	----
5	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF EASEMENT	----	----	----	----

MAG NAIL W/WASHER
Y = 591,324.115
X = 59,331.343
49C-17

T 24 N / R 19 E (3, 2)

SEE SHEET 9200-10-21-4.05

208 207 206 205 204 203 202 201 (130) 210 (300) (500) 209 (501)

PI=61+01.51'NB'
Y=591257.769
X=59372.214
DELTA=21°39'30" LT

QUARTER LINE
STA. 61+71.44 'NB'
N04°49'19"W
S0°11'28"E 199.22'
SEC. COR. TO R/L

PI: 61+01.51'NB'
60'NB'
PT/PI: 59+50.96'NB'
PI: 59+12.82'NB'
PC: 58+70.95'NB'
N01°22'47"W
PT: 58+19.04'NB'
24.75'
PI: 55+73.47'NB'
55'NB'
N0°11'28"W 1301.89'
SEC. COR. TO R/L

20' EASEMENT
DOC. NO. 812280

23' EASEMENT
DOC. NO. 815513

5

EP=633+60.22'EB'
Y=585532.891
X=66911.824

PC: 53+20.76'NB'
N22°10'34"E
REMNANT
1.10 ACRES
PT: 52+07.10'NB'
PI: 51+39.30'NB'
PC: 50+71.45'NB'
PI: 50+28.69'NB'
50'NB'
N18°17'25"E
N45°37'52"E
PI/PT: 48+78.89'NB'
PI: 48+42.32'NB'
PC: 48+02.53'NB'
50'

CTH VV

PI=50+28.69'NB'
Y=590228.225
X=59111.265
DELTA=27°20'27" LT

4
HOWARD

MARLEY STREET
SECTION LINE

SEE SHEET 9200-10-21-4.03

202 NET LEC, LLC
PARCEL 4

T 24 N / R 19 E (3, 2)
CLOSING CORNER
BRASS CAP MON.
Y = 589,823.016
X = 59,336.349
49D/E-17

N28°17'29"E
STA. 541+95.96'EB'
= STA. 45+83.92'NB'
N28°17'29"E 27.67'
SEC. LINE TO PC
N60°34'36"W 460.44'
SEC. COR. TO R/L

WISCONSIN PUBLIC SERVICE CORP. - ELECTRIC
PARCEL 4
UNOCCUPIED EASEMENT
201

200 (100) (326)

S5°41'55"E 219.73'
SEC. COR. TO R/L
STA. 547+79.15'EB'

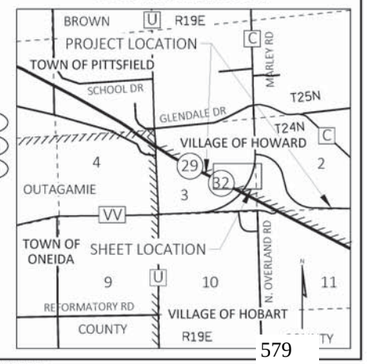
MAG NAIL W/WASHER
Y = 589,153.371
X = 59,403.171
49E-17

T 24 N / R 19 E (3, 2, 10, 11)

N5°41'55"W 453.24'
SEC. COR. TO R/L

HIGHWAY	BASIS
STH 29/32	PREVIOUS PROJECTS 9202-2-22 & 9202-10-00
MARLEY STREET	PREVIOUS PROJECTS 9202-12-21, 9202-2-22 & STATE STATUTE 82.31 (66' WIDE) CENTERED ON CENTERLINE

LOCATION SKETCH



2874449
VOLUME:
PAGE:
CHERYL BERKEN
BROWN COUNTY RECORDER
GREEN BAY, WI
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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9200-10-21 - 4.02

AMENDMENT NO:

TRANSPORTATION PROJECT PLAT NO: 9200-10-21 - 4.03

THAT PART OF GOVERNMENT LOT 1, LOCATED IN SECTION 2, T24N, R19E, VILLAGE OF HOWARD, BROWN COUNTY, WISCONSIN.

RELOCATION ORDER STH 29, SHAWANO - GREEN BAY, CTH VV INTERCHANGE, BROWN COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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.

GN

SCALE, FEET
0 100 200

2874450
VOLUME:
PAGE:
CHERYL BERKEN
BROWN COUNTY RECORDER
GREEN BAY, WI
RECORDED ON
09/20/2019 03:53 PM
REC FEE: 25.00
PAGES: 2
*The above recording Information verifies that this document has been electronically recorded and returned to the submitter**

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9200-10-21 - 4.03
SHEET 1 OF 2
AMENDMENT NO:

580

9200-10-21 4.03

T 24N R 19 E (3 2)

MAG NAIL W/WASHER
Y = 591,324.115
X = 59,331.343
49C-17

LOT 4
CSM 5545
V.36, P.245
DOC. NO. 1580135

N84°33'04"E 129.44'
SEC. COR. TO R/W

SEE SHEET 9200-10-21-4.05

STA. 61+71.44'NB'

(500) (210) 300 301 (517) 302 303 304 T352 T353 305 T350 T351

S87°18'00"E
VILLAGE

PC: 603+55.69'EGE'

6 5.22 ACRES

TLE - SLOPES
0.92 ACRES 6

PI: 609+79.61'EGE'

605'EGE'

EVERGREEN AVE.

S00°11'28"E 177.13'
SEC. COR. TO TRAV. PT.

BP: 600+00.00'EGE'
Y=591147.200
X=59394.957

PC: 600+40.94'EGE'

T363 T361 T362 314 315 T360 312 313

PT: 602+56.64'EGE'

6 PLE - DRAINAGE
0.01 ACRES

N84°27'38"E

316

33'

N89°48'32"E 63.02'
SEC. LINE TO R/L

50'

202 NET LEC, LLC
PARCEL 6

P397 P394 P395 P396
NOT TO SCALE

TLE - SLOPES
1.25 ACRES 6

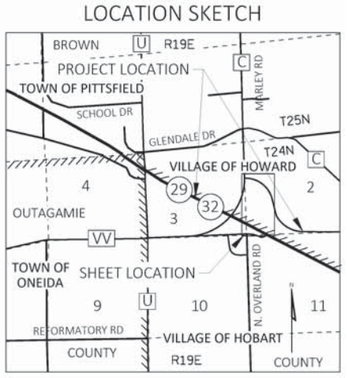
20'

GOV'T. LOT 1
SEC. 2

610'EGE'

1/16 LINE

LOCATION SKETCH



SEE SHEET 9200-10-21-4.02

SECTION LINE

OH OH 100'

AMERICAN TRANSMISSION COMPANY LLC DOC. 1788439

PT: 614+15.47'EGE'

T359 311 T354 306

615'EGE'

STA. 621+50.51'EGE'

SEE SHEET 9200-10-21-4.04

N00°11'28"W 1323.98'
SEC. COR. TO TRAV. PT.

MARLEY STREET

317 IP

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
201	WISCONSIN PUBLIC SERVICE CORP. - ELECTRIC	RELEASE OF RIGHTS
202	NET LEC, LLC	RELEASE OF RIGHTS

OF

AMERICAN TRANSMISSION COMPANY, LLC
PARCEL 6 200

S11°23'55"E

PC: 618+21.64'EGE'

318

SEE SHEET 2 OF 2 FOR COURSE TABLES, OFFSET TABLES, CURVE INFORMATION, NOTES, EASEMENT TABLE & HIGHWAY BASIS TABLE.

PLE - DRAINAGE
0.01 ACRES 6

P392 P393 P391 P390 310 T358
NOT TO SCALE

307 T355 T356 308 (413)

S01°00'35"E 118.40'
R/W TO R/L

6 0.45 ACRES

201 WISCONSIN PUBLIC SERVICE CORP. - ELECTRIC PARCEL 6 UNOCCUPIED EASEMENT

319

202 NET LEC, LLC
PARCEL 6

40'

620'EGE'

S01°00'35"E 60.22'
R/L TO R/W

326 (200) (100)

S05°41'55"E 219.73'
SEC. COR. TO R/L

STA. 547+79.15'EB'

320 IP 321

309 (412)

S01°00'35"E 126.97'
R/W TO R/W

WISCONSIN PUBLIC SERVICE CORP. - ELECTRIC PARCEL 6 AND UNOCCUPIED EASEMENT 201

PI: 622+55.73'EGE'

T357 323

WISCONSIN PUBLIC SERVICE CORPORATION DOC. 794261

STA. 623+32.26'EGE' =
BP: 700+00.00'CT'
Y=589,673.825
X=60,821.673

S43°05'45"W

S01°00'35"E 71.84'
R/W TO R/L

FORMER ONEIDA NATION LANDS LINE

EXISTING MILLTOWN ROAD

HOWARD
1.25 ACRES 6

CONNECTION RD.

STA. 701+66.03'CT'

PC: 702+68.12'CT'

322

S01°00'35"E 334.10'
R/L TO R/W

150'

550'EB'

EB STH 29/32

S61°40'30"E

555'EB'

VILLAGE OF HOWARD

VILLAGE OF HOBART

295

705'CT'

S01°00'35"E 57.01'
R/W TO R/L

324 (402)

PI: 705+27.85'CT'

PC: 707+33.37'CT'

T 24 N R 19 E (3 2)

CLOSING CORNER
BRASS CAP MON.
Y = 589,823.016
X = 59,336.349
49D/E-17

N05°41'55"W 453.24'
SEC. COR. TO R/L

PT: 706+33.96'CT'

STA. 706+62.98'CT'

S1°00'35"E 107.61'
R/L TO TRAV. PT.

S61°42'37"E

T 24 N R 19 E (3 2 10 11)

MAG NAIL W/WASHER
Y = 589,153.371
X = 59,403.171
49E-17

STA. 559+35.91'EB'
SECTION LINE

(401) 325

T 24 N R 19 E (2 11)

CLOSING CORNER
ALUM. MON. IN CONC.
Y = 589,016.337
X = 60,766.122
49E-18/19

S84°15'31"E 978.16'
SEC. COR. TO R/L

560'EB'

N84°15'31"W 391.66'
SEC. COR. TO R/L

N60°34'06"W 56.17'
SEC. COR. TO TRAV. PT.

KL Engineering
[A] Better Experience

I, TIMOTHY HELD, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 9200-10-21-4.03 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN TIMOTHY M. HELD S-2591 MADISON, WI LAND SURVEYOR

TIMOTHY M. HELD — 9-19-2019 DATE
AGENT FOR KL ENGINEERING, INC.
P.L.S. NUMBER 2591
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.
CURT VAN EREM — 9-20-2019 DATE

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTEREST TO D.O.T.
ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
6	ERIC E. LANGER & KELLY K. MALLOY LIVING TRUST AND RORY P. MALLOY	FEE, TLE, AR, PLE	6.92	0.40	7.32	2.17	0.02

FILE NAME : G:\AYRES\A20-10032-000\CIVIL 3D\SHEETS\PLAN\RW\040101-RP-2019 REVISIONS.DWG PLOT DATE : APPRAISAL PLAT DATE : SEPTEMBER 19, 2019 PLOT BY : Timothy Held PLOT DATE : 9/20/2019 2:26 PM PLOT NAME : PLOT SCALE : 9200-10-21 4.03

TRANSPORTATION PROJECT PLAT NO: 9200-10-21 - 4.03

RELOCATION ORDER STH 29, SHAWANO - GREEN BAY, CTH VV INTERCHANGE, BROWN COUNTY

SHEET 2 OF 2 FOR COURSE TABLES, OFFSET TABLES, CURVE INFORMATION, NOTES, EASEMENT TABLE & HIGHWAY BASIS TABLE.

4

4

CONNECTION ROAD

BP =700+00.00'CT'
Y = 589673.825
X = 60821.673

PI STA = 705+27.85'CT'
Y = 589288.384
X = 60461.035
DELTA = 104°48'22" LT
D = 28°38'52"
T = 259.73'
L = 365.84'
R = 200.00'
PC STA = 702+68.12'CT'
PT STA = 706+33.96'CT'

PI STA = 707+81.80'CT'
Y = 589095.220
X = 60819.933
DELTA = 7°54'57" LT
D = 8°11'06"
T = 48.43'
L = 96.71'
R = 700.00'
PC STA = 707+33.37'CT'
PRC STA = 708+30.08'CT'
AH TAN BRG=S69°37'34"E

EVERGREEN AVENUE

BP =600+00.00'EGE'
Y = 591147.200
X = 59394.957

PI STA = 601+48.98'EGE'
Y = 591161.581
X = 59543.237
DELTA = 8°14'22" RT
D = 3°49'11"
T = 108.04'
L = 215.71'
R = 1500.00'
PC STA = 600+40.94'EGE'
PT STA = 602+56.64'EGE'

PI STA = 609+79.61'EGE'
Y = 591122.437
X = 60373.318
DELTA = 75°54'05" RT
D = 7°09'43"
T = 623.92'
L = 1059.78'
R = 800.00'
PC STA = 603+55.69'EGE'
PT STA = 614+15.47'EGE'

PI STA = 622+55.73'EGE'
Y = 589687.135
X = 60662.692
DELTA = 55°33'43" LT
D = 6°57'12"
T = 434.10'
L = 799.06'
R = 824.00'
PC STA = 618+21.64'EGE'
PT STA = 626+20.70'EGE'
AH TAN BRG = S66°57'38"E

R/W COURSE TABLE			
FROM POINT	TO POINT	BEARING	DISTANCE
300	301	N84° 33' 04"E	129.44'
301	302	S10° 20' 03"E	131.03'
302	303	N86° 59' 31"E	93.69'
303	304	SEE CURVE NOTE	
304	305	S87° 18' 00"E	52.71'
305	306	SEE CURVE NOTE	
306	307	S11° 23' 55"E	406.17'
307	308	SEE CURVE NOTE	
308	309	S01° 00' 35"E	178.62'
309	310	SEE CURVE NOTE	
310	311	N11° 23' 55"W	406.17'
311	312	SEE CURVE NOTE	
312	313	N87° 18' 00"W	93.87'
313	314	SEE CURVE NOTE	
314	315	S85° 42' 23"W	36.15'
315	316	S31° 37' 52"W	170.86'
316	317	S00° 11' 28"E	654.51'
317	318	SEE CURVE NOTE	
318	319	S44° 12' 59"E	263.86'
319	320	S29° 05' 17"E	199.08'
320	321	SEE CURVE NOTE	
321	322	S61° 40' 18"E	810.20'
322	323	N43° 05' 45"E	374.98'
323	324	S01° 00' 35"E	415.95'
324	325	S01° 00' 35"E	164.62'
325	326	N60° 34' 06"W	1585.47'
326	300	N00° 11' 28"W	1501.11'

303-304
R=1234.50'
LCH=122.93'
LCB=N89° 50' 45"E
L=122.98'

305-306
R=858.50'
LCH=1055.93'
LCB=S49° 20' 58"E
L=1137.28'

307-308
R=765.50'
LCH=205.61'
LCB=S19° 07' 01"E
L=206.24'

309-310
R=858.50'
LCH=389.60'
LCB=N24° 30' 50"W
L=393.03'

311-312
R=765.50'
LCH=941.54'
LCB=N49° 20' 58"W
L=1014.08'

313-314
R=1177.50'
LCH=143.63'
LCB=S89° 12' 12"W
L=143.72'

317-318
R=666.20'
LCH=199.16'
LCB=S08° 58' 12"E
L=199.91'

320-321
R=666.20'
LCH=44.15'
LCB=S59°45'58"E
L=44.16'

R/W Station & Offset Table		
Point No.	Station	Offset
300	539+39.57 'EB'	1501.12'
301	600+78.62 'EGE'	182.56'
302	600+92.37 'EGE'	52.36'
303	601+82.84 'EGE'	54.26'
304	603+02.98 'EGE'	58.50'
305	603+55.69 'EGE'	58.50'
306	614+15.47 'EGE'	58.50'
307	618+21.64 'EGE'	58.50'
308	620+43.63 'EGE'	58.50'
309	621+98.87 'EGE'	34.50'
310	618+21.64 'EGE'	34.50'
311	614+15.47 'EGE'	34.50'
312	603+55.69 'EGE'	34.50'
313	602+61.82 'EGE'	34.50'
314	601+14.77 'EGE'	36.72'
315	600+77.71 'EB'	37.27'
316	541+54.44 'EB'	1216.48'
317	544+66.90 'EB'	641.37'
318	545+87.58 'EB'	482.93'
319	548+39.29 'EB'	403.76'
320	550+07.03 'EB'	296.54'
321	550+51.15 'EB'	295.07'
322	704+13.04 'CT'	133.89'
323	701+14.45 'CT'	50.00'
324	706+35.08 'CT'	49.72'
325	562+41.38 'EB'	151.49'
326	546+56.21 'EB'	182.12'

PLE / TLE Station & Offset Table		
Point No.	Station	Offset
P390	618+08.61 'EGE'	34.50'
P391	618+08.62 'EGE'	49.50'
P392	617+93.62 'EGE'	49.50'
P393	617+93.61 'EGE'	34.50'
P394	604+43.89 'EGE'	34.50'
P395	604+43.95 'EGE'	49.50'
P396	604+27.96 'EGE'	49.50'
P397	604+28.22 'EGE'	34.50'
T350	600+90.10 'EGE'	72.39'
T351	601+81.88 'EGE'	74.24'
T352	603+02.98 'EGE'	78.50'
T353	603+55.69 'EGE'	78.50'
T354	614+15.47 'EGE'	78.50'
T355	618+21.64 'EGE'	78.50'
T356	619+94.96 'EGE'	78.50'
T357	622+46.41 'EGE'	74.50'
T358	618+21.64 'EGE'	74.50'
T359	614+15.47 'EGE'	54.50'
T360	603+55.69 'EGE'	54.50'
T361	602+61.82 'EGE'	54.50'
T362	601+15.34 'EGE'	56.71'
T363	600+62.70 'EGE'	57.24'

PLE COURSE TABLE			
FROM POINT	TO POINT	BEARING	DISTANCE
310	P390	N11° 23' 55"W	13.03'
P390	P391	S78° 34' 14"W	15.00'
P391	P392	N11° 23' 55"W	15.00'
P392	P393	N78° 34' 14"E	15.00'
P393	P390	S11° 23' 55"E	15.00'
311	P393	S11° 23' 55"E	378.14'
311	P394	SEE CURVE NOTE	
P394	P395	S08° 48' 05"W	15.00'
P395	P396	N81° 33' 04"W	15.00'
P396	P397	N08° 48' 05"E	15.00'
P397	P394	SEE CURVE NOTE	
312	P394	SEE CURVE NOTE	

311-P394
R=765.50'
LCH=873.59'
LCB=N46°11'27"W
L=929.68'

P397-P394
R=765.50'
LCH=15.00'
LCB=S81° 32' 39"E
L=15.00'

312-P394
R=765.50'
LCH=84.36'
LCB=S84°08'29"E
L=84.40'

EASEMENT TABLE		
OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL NO.
AMERICAN TRANSMISSION COMPANY, LLC	DOC. NO. 1788439	6
WISCONSIN PUBLIC SERVICE CORP. - ELECTRIC	DOC. NO. 794261 & 2391038	6
NET LEC, LLC	NO EASEMENT OF RECORD FOUND	6

NOTES:

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN BROWN COUNTY AS SHEET 2 OF 3 OF DOCUMENT NO. 2872762.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), BROWN COUNTY, NAD83(2007), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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

FOUND PROPERTY PIPES ARE 1" IRON PIPE, UNLESS OTHERWISE NOTED.

EXISTING ACCESS CONTROL ALONG STH 29/32 IS ESTABLISHED FROM PREVIOUS PROJECTS 1058-14-00, 9202-2-22, 9202-2-60 & DOC. 2399299.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 1" I.D. X 24" IRON PIPES), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

HIGHWAY	BASIS
STH 29/32	PREVIOUS PROJECT 9202-2-22
MARLEY STREET	PREVIOUS PROJECT 9202-2-22 & STATE STATUTE 82.31 (66' WIDE CENTERED ON CENTERLINE)

TPP NUMBER 9200-10-21 - 4.03
SHEET 2 OF 2

FILE NAME : G:\AYRES\A20-10032-000\CIVIL 3D\SHEETSPLAN\RW\040101-RP-2019 REVISIONS.DWG
APPRAISAL PLAT DATE : SEPTEMBER 19, 2019

PLOT DATE : 9/19/2019 10:06 AM PLOT BY : SCOTT DEMEUSE PLOT NAME : PLOT SCALE : **********

9200-10-21 4. 03

TRANSPORTATION PROJECT PLAT NO: 9200-10-21 - 4.04

THAT PART OF LOT 1, CSM 7533 (RECORDED IN V. 51, P. 281 AS DOC. NO. 2267847), LOT 1, CSM 5468 (RECORDED IN V. 36, P. 40 AS DOC. 1564667) LOCATED IN AND INCLUDING PART OF THE SE 1/4 - SW 1/4; AND THAT PART OF THE SW 1/4 - SE 1/4 OF SECTION 2; THAT PART OF LOT 1, CSM 6484 (RECORDED IN V. 43, P. 144 AS DOC. NO. 1857802), AND PART OF LOT 1, CSM 6472 (RECORDED IN V. 43, P. 111 AS DOC. NO. 1850150), LOT 1, CSM 8892 (RECORDED IN V. 63, P. 367 AS DOC. NO. 2816531) LOCATED IN AND INCLUDING PART OF GOVERNMENT LOT 1, SECTION 11, ALL IN T24N, R19E, IN THE VILLAGE OF HOWARD, AND THAT PART OF LOT 1, CSM 6484 (RECORDED IN V. 43, P. 144 AS DOC. NO. 1857802) LOCATED IN GOVERNMENT LOT 1, SECTION 11, T24N, R19E IN THE VILLAGE OF HOBART, BROWN COUNTY, WISCONSIN.

RELOCATION ORDER STH 29, SHAWANO - GREEN BAY, CTH VV INTERCHANGE, BROWN COUNTY

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

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

NOTES:

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN BROWN COUNTY AS SHEET 2 OF 3 OF DOCUMENT NO. 2872762.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), BROWN COUNTY, NAD83(2007), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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

FOUND PROPERTY PIPES ARE 1" IRON PIPE, UNLESS OTHERWISE NOTED.

EXISTING ACCESS CONTROL ALONG STH 29/32 IS ESTABLISHED FROM PREVIOUS PROJECTS 1058-14-11, 9202-2-22, 9202-2-60 & DOC. 2399299.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 1" I.D. X 24" IRON PIPES), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

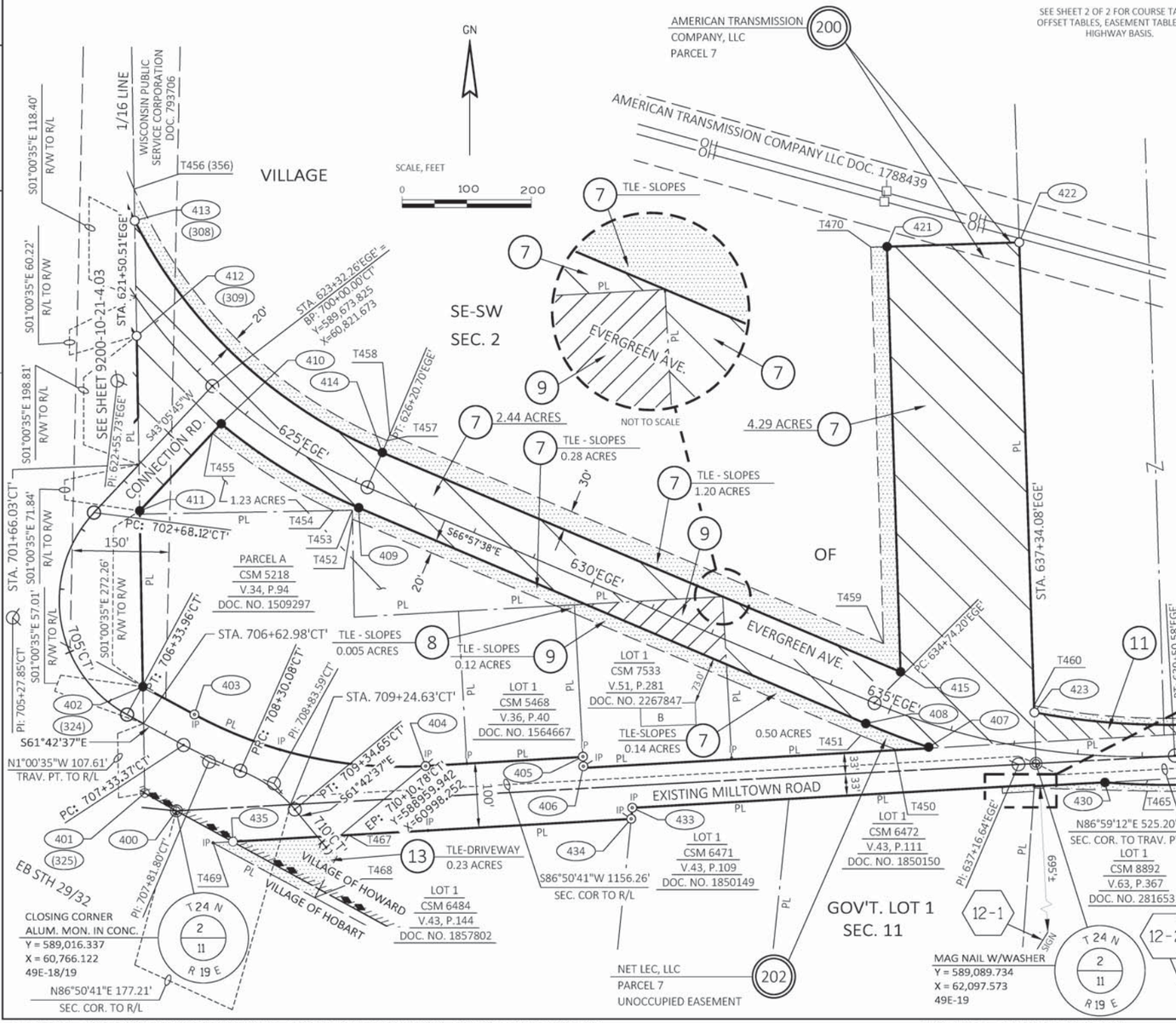
SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTEREST TO D.O.T.
ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
7	ROBERT & KATHLEEN MCALLISTER	FEE/TLE	6.73	----	6.73	1.62
8	T-BONE INVESTMENTS, LLC	TLE	----	----	----	0.005
9	ROGER VAN HEMELRYK	FEE/TLE	0.26	----	0.26	0.12
10	LEHL PROPERTIES, LLC (VENDOR) AND D&M, LLC (PURCHASER)	TLE	----	----	----	0.01
11	HOWARD SEGILMANN	FEE/TLE	0.23	----	0.23	0.12
12	ROBERT W. & KATHLEEN M. MCALLISTER / LINK MEDIA / LAMAR OF CENTRAL WISCONSIN	FEE/TLE	0.10	----	0.10	0.12
13	MAPLEWOOD MEATS, LLC	TLE	----	----	----	0.23

2874451
VOLUME:
PAGE:
CHERYL BERKEN
BROWN COUNTY RECORDER
GREEN BAY, WI
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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9200-10-21 - 4.04
SHEET 1 OF 2
AMENDMENT NO:



SEE SHEET 2 OF 2 FOR COURSE TABLES, OFFSET TABLES, EASEMENT TABLES AND HIGHWAY BASIS.

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY	RELEASE OF RIGHTS
201	WISCONSIN PUBLIC SERVICE CORP. - ELECTRIC	RELEASE OF RIGHTS
202	NET LEC, LLC	RELEASE OF RIGHTS

EVERGREEN AVENUE

PI STA = 622+55.73'EGE'
Y = 589687.135
X = 60662.692
DELTA = 55°33'43" LT
D = 6°57'12"
T = 434.10'
L = 799.06'
R = 824.00'
PC STA = 618+21.64'EGE'
PT STA = 626+20.70'EGE'
BK TAN BRG = S11°23'55"E

PI STA = 637+16.64'EGE'
Y = 589088.333
X = 62070.689
DELTA = 26°14'40" LT
D = 5°30'33"
T = 242.44'
L = 476.38'
R = 1040.00'
PC STA = 634+74.20'EGE'
PT STA = 639+50.58'EGE'

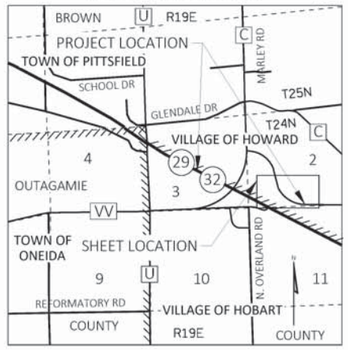
CONNECTION ROAD

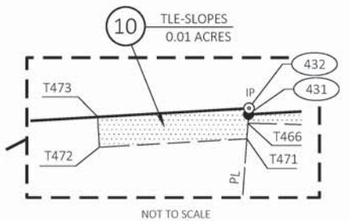
PI STA = 705+27.85'CT'
Y = 589288.384
X = 60461.035
DELTA = 104°48'22" LT
D = 28°38'52"
T = 259.73'
L = 365.84'
R = 200.00'
PC STA = 702+68.12'CT'
PT STA = 706+33.96'CT'

PI STA = 707+81.80'CT'
Y = 589095.220
X = 60819.933
DELTA = 7°54'57" LT
D = 8°11'06"
T = 48.43'
L = 96.71'
R = 700.00'
PC STA = 707+33.37'CT'
PRC STA = 708+30.08'CT'
AH TAN BRG = S69°37'34"E

PI STA = 708+83.59'CT'
Y = 589059.730
X = 60915.497
DELTA = 29°57'24" RT
D = 28°38'52"
T = 53.51'
L = 104.57'
R = 200.00'
PRC STA = 708+30.08'CT'
PT STA = 709+34.65'CT'
BK TAN BRG = S69°37'34"E

LOCATION SKETCH





SIGN NO.	OWNER	OASIS
12-1	ROBERT W. & KATHLEEN M. MCALLISTER / LINK MEDIA	4404
12-2	ROBERT W. & KATHLEEN M. MCALLISTER / LAMAR OF CENTRAL WISCONSIN	4401

KL Engineering
[A] Better Experience

I, TIMOTHY HELD, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 9200-10-21-4.04 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN TIMOTHY M. HELD S-2591 MADISON, WI LAND SURVEYOR

TIMOTHY M. HELD — 9-19-2019 DATE
AGENT FOR KL ENGINEERING, INC.
P.L.S. NUMBER 2591
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

CURT VAN EREM — 9-20-2019

FILE NAME : G:\AYRES\A20-10032-000\CIVIL 3D\SHEETSPLAN\RW\040101-RP-2019 REVISIONS.DWG
APPRAISAL PLAT DATE : SEPTEMBER 19, 2019
PLOT DATE : 9/20/2019 1:19 PM PLOT BY : TIMOTHY HELD PLOT NAME : PLOT SCALE : ==========

9200-10-21 4.04

TRANSPORTATION PROJECT PLAT NO: 9200-10-21 - 4.04

RELOCATION ORDER STH 29, SHAWANO - GREEN BAY, CTH VV INTERCHANGE, BROWN COUNTY

SHEET 2 OF 2 FOR COURSE TABLES, OFFSET TABLES, EASEMENT TABLES AND HIGHWAY BASIS.

EASEMENT TABLE		
OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL NO.
AMERICAN TRANSMISSION COMPANY	DOC. NO. 1788439	7
WISCONSIN PUBLIC SERVICE CORP. - ELECTRIC	12' WIDE EASEMENT DOC. NO. 2832070	12
	DOC. NO. 793706	7
NET LEC, LLC	20' WIDE EASEMENT DOC. NO. 812292	7

HIGHWAY	BASIS
MILLTOWN ROAD	PREVIOUS PROJECT 9202-2-22, CSM'S 5218, 5468, 7533,6484, 6471 AND 6472 & STATE STATUTE 82.31 (66' WIDE) CENTERED ON CENTERLINE.
STH 29/32	PREVIOUS PROJECT 9202-2-22

R/W COURSE TABLE			
FROM POINT	TO POINT	BEARING	DISTANCE
400	401	N60° 34' 06"W	56.17'
401	402	N01° 00' 35"W	164.62'
402	403	S61° 40' 18"E	90.62'
403	404	SEE CURVE NOTE	
404	405	N86° 44' 06"E	246.26'
405	406	S02° 36' 12"E	17.00'
406	407	N86° 44' 06"E	540.00'
407	408	SEE CURVE NOTE	
408	409	N66° 57' 38"W	853.50'
409	410	SEE CURVE NOTE	
410	411	S43° 05' 45"W	184.58'
411	412	N01° 00' 35"W	270.65'
412	413	N01° 00' 35"W	178.62'
413	414	SEE CURVE NOTE	
414	415	S67° 04' 32"E	871.77'
415	421	N01° 49' 53"W	658.62'
421	422	N88° 10' 07"E	205.00'
422	423	S01° 49' 53"E	727.92'
423	424	SEE CURVE NOTE	
424	425	N86° 51' 30"E	258.42'
425	426	S02° 45' 46"E	12.00'
426	427	S03° 00' 48"E	68.00'
427	428	S03° 00' 48"E	13.00'
428	429	S86° 51' 30"W	258.02'
429	430	SEE CURVE NOTE	
430	431	S86° 51' 30"W	108.34
431	432	N04° 05' 03"E	2.02'
432	433	S86° 44' 06"W	623.84'
433	434	S05° 32' 00"W	17.20'
434	435	S86° 44' 06"W	618.55'
435	400	N61° 17' 40"W	99.25'

403-404
R=666.24'
LCH=364.87'
LCB=S77° 22' 21"E
L=369.59'

407-408
R=1190.90'
LCH=108.61'
LCB=N69° 34' 27"W
L=108.65'

409-410
R=858.50'
LCH=249.60''
LCB=N58° 36' 06"W
L=250.49'

413-414
R=765.50'
LCH=525.21'
LCB=S46° 53' 52"E
L=536.10'

423-424
R=1097.90'
LCH=267.03'
LCB=S86° 14' 29"E
L=267.69'

429-430
R=1190.90'
LCH=163.55'
LCB=N89° 17' 19"W
L=163.68'

R/W Station & Offset Table		
Point No.	Station	Offset
400	707+67.19 'CT'	95.89'
401	707+15.64 'CT'	93.84'
402	706+35.08 'CT'	49.72'
403	707+25.71 'CT'	49.66'
404	628+70.50 'EGE'	362.64'
405	630+91.26 'EGE'	253.52'
406	630+98.61 'EGE'	268.84'
407	635+79.34 'EGE'	35.04'
408	634+74.20 'EGE'	34.50'
409	626+20.70 'EGE'	34.50'
410	623+80.27 'EGE'	34.50'
411	702+17.62 'CT'	50.00'
412	621+98.87 'EGE'	34.50'
413	620+43.63 'EGE'	58.50'
414	626+20.70 'EGE'	58.50'
415	634+93.59 'EGE'	60.08'
421	632+15.47 'EGE'	657.79'
422	634+01.46 'EGE'	744.01'
423	637+23.14 'EGE'	55.53'
424	640+02.05 'EGE'	46.50'
425	642+60.47 'EGE'	46.31'
426	642+60.38 'EGE'	34.31'
427	642+60.15 'EGE'	33.69'
428	642+60.10 'EGE'	46.69'
429	640+02.09 'EGE'	46.40'
430	638+42.96 'EGE'	41.01'
431	637+40.66 'EGE'	57.39'
432	637+40.52 'EGE'	55.38'
433	631+92.40 'EGE'	296.10'
434	631+97.58 'EGE'	312.51'
435	626+43.08 'EGE'	586.61'

TLE Station & Offset Table		
Point No.	Station	Offset
T450	635+28.12 'EGE'	54.64'
T451	634+74.20 'EGE'	54.50'
T452	626+18.82 'EGE'	54.50'
T453	626+13.46 'EGE'	41.97'
T454	625+88.56 'EGE'	54.50'
T455	623+79.20 'EGE'	54.50'
T456	619+94.96 'EGE'	78.50'
T457	626+20.70 'EGE'	78.50'
T458	626+20.70 'EGE'	88.50'
T459	634+51.05 'EGE'	90.16'
T460	637+21.02 'EGE'	65.58'
T461	640+02.05 'EGE'	56.60'
T462	642+60.55 'EGE'	56.31'
T463	642+60.07 'EGE'	56.69'
T464	640+02.04 'EGE'	56.40'
T465	639+07.12 'EGE'	53.31'
T466	637+40.86 'EGE'	60.28'
T467	628+04.31 'EGE'	506.91'
T468	627+94.16 'EGE'	616.59'
T469	626+17.87 'EGE'	600.10'
T470	631+92.79 'EGE'	647.27'
T471	637+41.22 'EGE'	65.43'
T472	636+96.76 'EGE'	76.24'
T473	636+94.48 'EGE'	66.54'

NOTE:

POINTS 416 - 420 NOT USED.

4

TPP NUMBER 9200-10-21 - 4.04 SHEET 2 OF 2

FILE NAME : G:\AYRES\A20-10032-000\CIVIL 3D\SHEETSPLAN\RW\040101-RP-2019 REVISIONS.DWG
APPRAISAL PLAT DATE : SEPTEMBER 19, 2019

PLOT DATE : 9/19/2019 10:26 AM PLOT BY : SCOTT DEMEUSE PLOT NAME : PLOT SCALE : **********

9200-10-21 4.04

TRANSPORTATION PROJECT PLAT NO: 9200-10-21 - 4.05, AMENDMENT NO. 1

ADDS PARCEL 15 TO TRANSPORTATION PROJECT PLAT 9200-10-21-4.05, RECORDED AS DOCUMENT 2874452 IN THE OFFICE OF THE REGISTER OF DEEDS IN BROWN COUNTY, WISCONSIN.

THAT PART LOT 1, CSM 5399 (RECORDED IN V. 35, P. 217 AS DOC. NO. 1549611); LOCATED IN AND INCLUDING PART OF THE SE 1/4 - NE 1/4 OF SECTION 3, AND LOT 1, CSM 5946 (RECORDED IN V. 39, P. 141 AS DOC. NO. 1705394); LOCATED IN THE SW 1/4 - NW 1/4 OF SECTION 2, ALL IN T24N, R19E, VILLAGE OF HOWARD, BROWN COUNTY, WISCONSIN.

RELOCATION ORDER STH 29, SHAWANO - GREEN BAY, CTH VV INTERCHANGE, BROWN COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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 COURSE TABLE			
FROM POINT	TO POINT	BEARING	DISTANCE
500	501	S87° 46' 14"W	57.31'
501	502	N17° 52' 37"E	55.66'
502	503	N00° 12' 17"W	80.26'
503	504	N05° 22' 54"W	55.00'
504	505	N62° 37' 53"W	25.24'
505	506	S87° 49' 59"W	46.08'
506	507	N02° 10' 01"W	70.00'
507	508	N87° 49' 59"E	59.11'
508	509	N44° 21' 31"E	14.52'
509	510	N00° 45' 30"E	150.09'
510	511	N08° 41' 44"E	25.86'
511	512	N00° 12' 17"W	23.33'
512	513	N87° 50' 57"E	80.05'
513	514	S00° 12' 56"E	196.34'
514	515	SEE CURVE NOTE	
515	516	S31° 50' 21"E	80.71'
516	517	S10° 20' 03"E	194.16'
517	500	S84° 33' 04"W	129.44'

R/W Station & Offset Table		
Point No.	Station	Offset
500	61+71.06 'NB'	35.15'
501	61+73.65 'NB'	92.40'
502	62+25.00 'NB'	70.92'
503	63+05.00 'NB'	64.46'
504	63+60.00 'NB'	65.00'
505	63+73.45 'NB'	86.36'
506	63+75.58 'NB'	132.39'
507	64+45.50 'NB'	129.14'
508	64+42.77 'NB'	70.10'
509	64+52.25 'NB'	59.12'
510	66+00.00 'NB'	46.45'
511	66+25.00 'NB'	41.41'
512	66+48.00 'NB'	40.65'
513	66+48.41 'NB'	39.40'
514	64+50.59 'NB'	27.60'
515	64+37.64 'NB'	38.97'
516	63+65.73 'NB'	75.63'
517	61+72.47 'NB'	94.28'

514-515
R=12.00'
LCH=17.23'
LCB=S46° 05' 18"E
L=19.23'

EASEMENT TABLE		
OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL NO.
NET LEC, LLC	V. 1121, P. 281, DOC. NO. 812275	14
NET LEC, LLC	V. 1121, P. 292, DOC. NO. 812286	16

ACQUIRED UNDER PROJECT 9202-12-21.

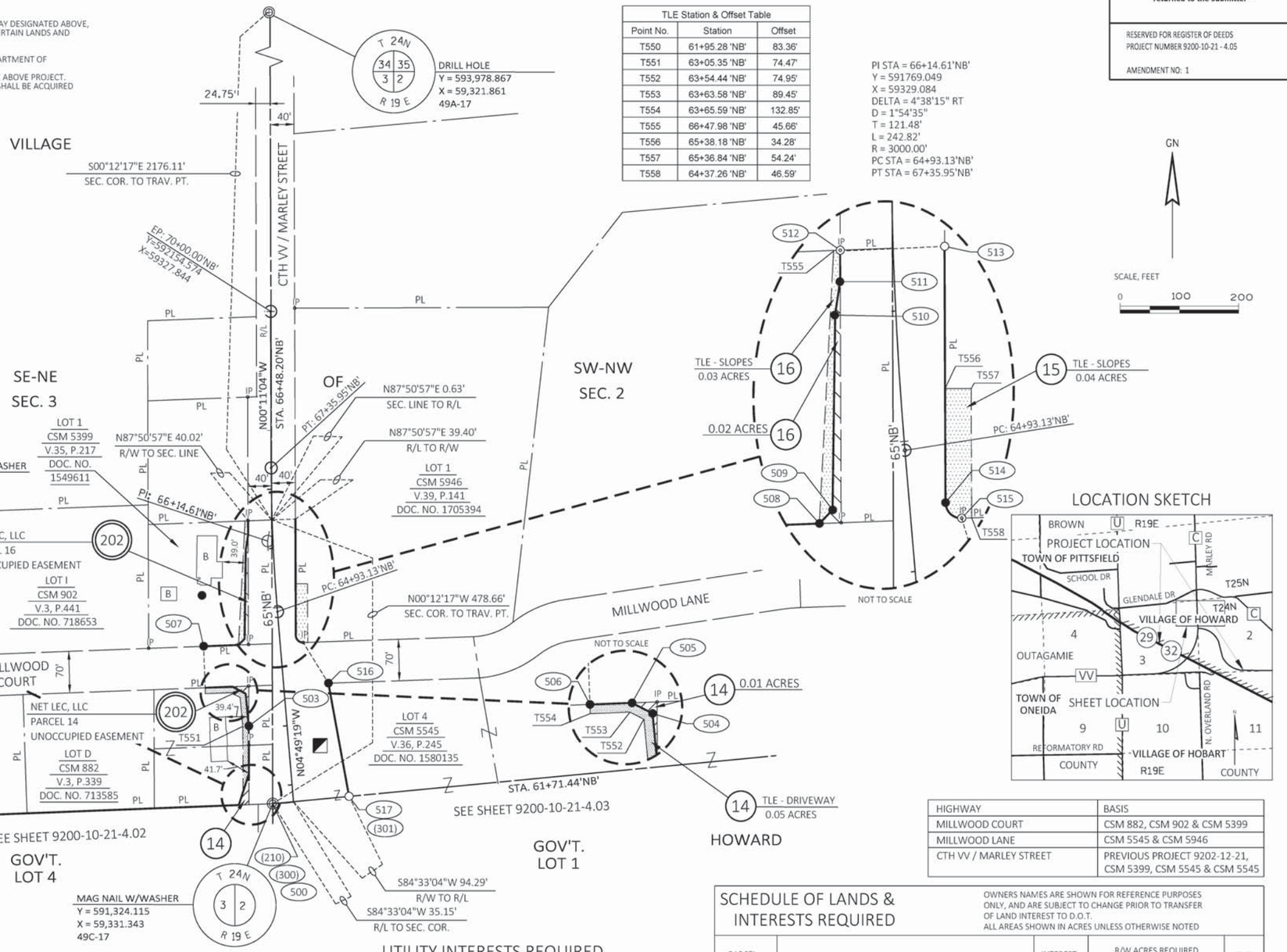
TLE Station & Offset Table		
Point No.	Station	Offset
T550	61+95.28 'NB'	83.36'
T551	63+05.35 'NB'	74.47'
T552	63+54.44 'NB'	74.95'
T553	63+63.58 'NB'	89.45'
T554	63+65.59 'NB'	132.85'
T555	66+47.98 'NB'	45.66'
T556	65+38.18 'NB'	34.28'
T557	65+36.84 'NB'	54.24'
T558	64+37.26 'NB'	46.59'

PI STA = 66+14.61'NB'
Y = 591769.049
X = 59329.084
DELTA = 4°38'15" RT
D = 1°54'35"
T = 121.48'
L = 242.82'
R = 3000.00'
PC STA = 64+93.13'NB'
PT STA = 67+35.95'NB'

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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9200-10-21 - 4.05

AMENDMENT NO: 1



NOTES:

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN BROWN COUNTY AS SHEET 2 OF 3 OF DOCUMENT NO. 2872762.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), BROWN COUNTY, NAD83(2007), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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

FOUND PROPERTY PIPES ARE 1" IRON PIPE, UNLESS OTHERWISE NOTED.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 1" I.D. X 24" IRON PIPES), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

KL Engineering
[A] Better Experience

I, TIMOTHY HELD, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 9200-10-21-4.05, AMENDMENT NO. 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
TIMOTHY M. HELD
S-2591
MADISON, WI
LAND SURVEYOR

11-04-2019
TIMOTHY M. HELD — DATE
AGENT FOR KL ENGINEERING, INC.
P.L.S. NUMBER 2591
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

11-04-2019
CURT VAN EREM — DATE

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
202	NET LEC, LLC	RELEASE OF RIGHTS

LOCATION SKETCH

HIGHWAY	BASIS
MILLWOOD COURT	CSM 882, CSM 902 & CSM 5399
MILLWOOD LANE	CSM 5545 & CSM 5946
CTH VV / MARLEY STREET	PREVIOUS PROJECT 9202-12-21, CSM 5399, CSM 5545 & CSM 5545

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTEREST TO D.O.T.
ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
14	LEE E. & SHAREN L. ROESER	FEE, TLE	0.02	0.18	0.20	0.05
15	FRANK T SLEIK III AND MICHELE M. SLEIK	TLE	----	----	----	0.04
16	MICHAEL W. & RAMONA SHORT	FEE, TLE	0.02	0.19	0.21	0.03

FILE NAME : G:\AYRES\A20-10032-000\CIVIL 3D\SHEETSPLAN\RW\040101-RP-2019 REVISIONS.DWG
APPRAISAL PLAT DATE : NOVEMBER 4, 2019
PLOT DATE : 11/4/2019 10:10 AM PLOT BY : TIMOTHY HELD PLOT NAME : PLOT SCALE : **********

TRANSPORTATION PROJECT PLAT NO: 9200-10-21-4.06, AMENDMENT NO. 1

AMENDS PARCEL 17, ADDS PARCEL 18 AND REMOVES UTILITY PARCEL 201 OF TRANSPORTATION PLAT 9200-10-21-4.06, RECORDED AS DOCUMENT 2877148 IN THE OFFICE OF THE REGISTER OF DEEDS IN BROWN COUNTY, WISCONSIN.

THAT PART OF GOVERNMENT LOTS 1, 2, 3 & 11; AND THAT PART OF THE THE NW 1/4 -NE 1/4 OF SECTION 10, T24N, R19E, VILLAGE OF HOBART, BROWN COUNTY, WISCONSIN.

RELOCATION ORDER STH 29, SHAWANO - GREEN BAY, CTH VV INTERCHANGE, BROWN COUNTY

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

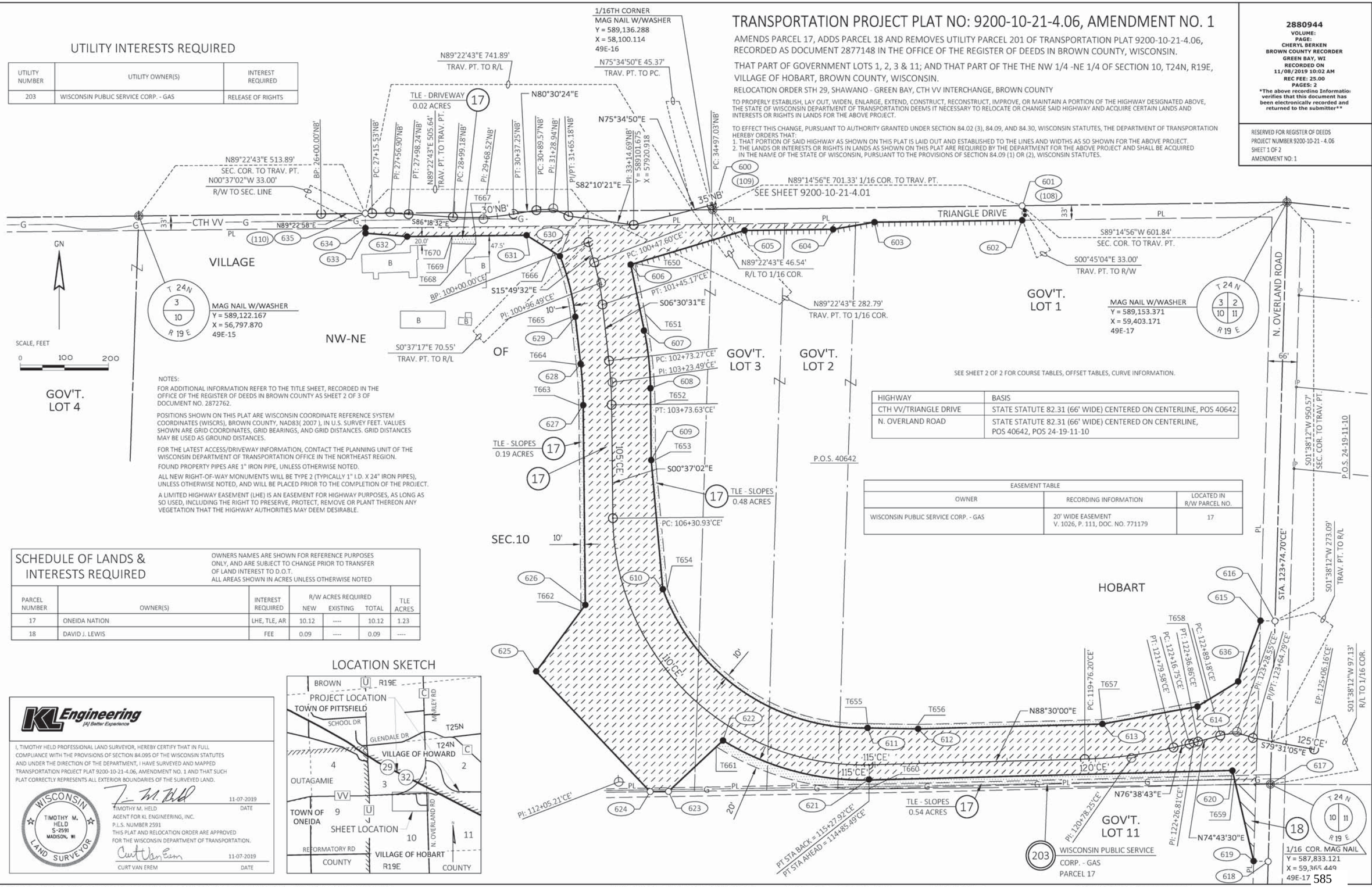
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE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

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GREEN BAY, WI
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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9200-10-21 - 4.06
SHEET 1 OF 2
AMENDMENT NO: 1

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
203	WISCONSIN PUBLIC SERVICE CORP. - GAS	RELEASE OF RIGHTS



SEE SHEET 2 OF 2 FOR COURSE TABLES, OFFSET TABLES, CURVE INFORMATION.

HIGHWAY	BASIS
CTH VV/TRIANGLE DRIVE	STATE STATUTE 82.31 (66' WIDE) CENTERED ON CENTERLINE, POS 40642
N. OVERLAND ROAD	STATE STATUTE 82.31 (66' WIDE) CENTERED ON CENTERLINE, POS 40642, POS 24-19-11-10

EASEMENT TABLE		
OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL NO.
WISCONSIN PUBLIC SERVICE CORP. - GAS	20' WIDE EASEMENT V. 1026, P. 111, DOC. NO. 771179	17

NOTES:

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN BROWN COUNTY AS SHEET 2 OF 3 OF DOCUMENT NO. 2872762.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), BROWN COUNTY, NAD83(2007), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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

FOUND PROPERTY PIPES ARE 1" IRON PIPE, UNLESS OTHERWISE NOTED.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 1" I.D. X 24" IRON PIPES), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

A LIMITED HIGHWAY EASEMENT (LHE) IS AN EASEMENT FOR HIGHWAY PURPOSES, AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTEREST TO D.O.T.
ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
17	ONEIDA NATION	LHE, TLE, AR	10.12	----	10.12	1.23
18	DAVID J. LEWIS	FEE	0.09	----	0.09	----

LOCATION SKETCH

KL Engineering
[A] Better Experience

I, TIMOTHY HELD PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 9200-10-21-4.06, AMENDMENT NO. 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
TIMOTHY M. HELD
S-2591
MADISON, WI
LAND SURVEYOR

11-07-2019
TIMOTHY M. HELD — DATE
AGENT FOR KL ENGINEERING, INC.
P.L.S. NUMBER 2591
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

11-07-2019
CURT VAN EREM — DATE

TRANSPORTATION PROJECT PLAT NO: 9200-10-21 - 4.06, AMENDMENT NO. 1

RELOCATION ORDER STH 29, SHAWANO - GREEN BAY, CTH VV INTERCHANGE, BROWN COUNTY

SHEET 2 OF 2 FOR COURSE TABLES, OFFSET TABLES, CURVE INFORMATION.

4

4

CTH VV

BP = 26+00.00'NB'
Y = 589127.033
X = 57211.730

PI STA = 27+56.90'NB'
Y = 589128.723
X = 57368.625
DELTA = 4°18'30" RT
D = 5°12'31"
T = 41.38'
L = 82.71'
R = 1100.00'
PC STA = 27+15.53'NB'
PT STA = 27+98.24'NB'

PI STA = 29+68.52'NB'
Y = 589115.097
X = 57579.845
DELTA = 13°11'04" LT
D = 9°32'57"
T = 69.34'
L = 138.07'
R = 600.00'
PC STA = 28+99.18'NB'
PT STA = 30+37.25'NB'

PI STA = 31+28.94'NB'
Y = 589141.656
X = 57738.667
DELTA = 39°23'00" RT
D = 52°05'13"
T = 39.37'
L = 75.61'
R = 110.00'
PC STA = 30+89.57'NB'
PT STA = 31+65.18'NB'
AH TAN BRG = S60°06'36"E

PI STA = 31+65.18'NB'
Y = 589122.038
X = 57772.798
DELTA = 22°03'45" LT
BK TAN BRG = S60°06'36"E
AH TAN BRG = S82°10'21"E

PI STA = 36+94.86'NB'
Y = 589196.343
X = 58289.108
DELTA = 27°23'06" LT
D = 7°03'22"
T = 197.83'
L = 388.10'
R = 812.00'
PC STA = 34+97.03'NB'
PT STA = 38+85.13'NB'
AH TAN BRG = N48°11'44"E

PI STA = 33+14.69'NB'
Y = 589101.675
X = 57920.918
DELTA = 22°14'49" LT

'CE' ALIGNMENT

BP = 100+00.00'CE'
Y = 589062.676
X = 57818.111

PI STA = 100+96.49'CE'
Y = 588969.841
X = 57844.425
DELTA = 9°19'01" RT
D = 9°32'57"
T = 48.89'
L = 97.57'
R = 600.00'
PC STA = 100+47.60'CE'
PT STA = 101+45.17'CE'

PI STA = 103+23.49'CE'
Y = 588744.087
X = 57870.181
DELTA = 5°53'29" RT
D = 5°52'14"
T = 50.22'
L = 100.36'
R = 976.00'
PC STA = 102+73.27'CE'
PT STA = 103+73.63'CE'

PI STA = 112+05.21'CE'
Y = 587862.338
X = 57879.681
DELTA = 90°52'58" LT
D = 10°07'55"
T = 574.28'
L = 897.00'
R = 565.50'
PC STA = 106+30.93'CE'
PT STA = 115+27.92'CE'

PI STA = 120+78.25'CE'
Y = 587892.887
X = 59046.325
DELTA = 11°51'17" LT
D = 5°49'43"
T = 102.06'
L = 203.39'
R = 983.00'
PC STA = 119+76.20'CE'
PT STA = 121+79.58'CE'

PI STA = 122+26.81'CE'
Y = 587927.368
X = 59191.571
DELTA = 1°55'13" RT
D = 9°32'57"
T = 10.06'
L = 20.11'
R = 600.00'
PC STA = 122+16.75'CE'
PT STA = 122+36.86'CE'

PI STA = 123+28.55'CE'
Y = 587954.172
X = 59289.719
DELTA = 39°23'00" RT
D = 52°05'13"
T = 39.37'
L = 75.61'
R = 110.00'
PC STA = 122+89.18'CE'
PT STA = 123+64.79'CE'
AH TAN BRG = S65°53'29"E

PI STA = 123+64.79'CE'
Y = 587938.092
X = 59325.653
DELTA = 13°37'36" LT
BK TAN BRG = S65°53'29"E
AH TAN BRG = S79°31'05"E

EP = 125+06.16'CE'
Y = 587912.374
X = 59464.658

R/W COURSE TABLE			
FROM POINT	TO POINT	BEARING	DISTANCE
600	601	N89° 14' 56"E	701.33'
601	602	S00° 45' 04"E	33.00'
602	603	S89° 14' 56"W	334.82'
603	604	S80° 10' 26"W	95.10'
604	605	S89° 14' 56"W	201.15'
605	606	S73° 20' 22"W	269.52'
606	607	S11° 37' 14"E	153.12'
607	608	SEE CURVE NOTE	
608	609	S00° 37' 02"E	162.92'
609	610	S05° 07' 29"E	294.03'
610	611	SEE CURVE NOTE	
611	612	S88° 59' 59"E	114.62'
612	613	N88° 30' 00"E	418.19'
613	614	N79° 32' 39"E	219.31'
614	636	N58° 29' 15"E	108.37'
636	615	N20° 12' 10"E	146.94'
615	616	S88° 21' 48"E	33.00'
616	617	S01° 38' 12"W	370.22'
617	618	S01° 37' 52"W	175.23'
618	619	N88° 22' 08"W	33.00'
619	620	N13° 13' 59"W	211.18'
620	621	S88° 30' 00"W	824.75'
621	622	SEE CURVE NOTE	
622	623	S46° 57' 32"W	169.31'
623	624	S89° 19' 25"W	41.59'
624	625	N43° 26' 18"W	375.79'
625	626	N36° 26' 59"E	187.46'
626	627	N00° 37' 02"W	453.26'
627	628	SEE CURVE NOTE	
628	629	N06° 30' 31"W	107.50'
629	630	SEE CURVE NOTE	
630	631	N57° 58' 45"W	89.39'
631	632	S89° 22' 58"W	271.05'
632	633	N85° 24' 29"W	94.75'
633	634	N00° 37' 02"W	11.63'
634	635	N00° 37' 02"W	33.00'
635	600	N89° 22' 43"E	788.43'

607-608
R=685.00'
LCH=131.35'
LCB=S06° 07' 08"E
L=131.55'

610-611
R=482.00'
LCH=561.30'
LCB=S55° 53' 25"E
L=599.13'

621-622
R=600.00'
LCH=343.08'
LCB=N74° 53' 15"W
L=347.93'

627-628
R=911.50'
LCH=93.68'
LCB=N03° 33' 47"W
L=93.73'

629-630
R=532.00'
LCH=141.88'
LCB=N14° 10' 18"W
L=142.31'

R/W Station & Offset Table		
Point No.	Station	Offset
600	34+96.87 'NB'	11.10'
601	39+70.56 'NB'	391.95'
602	39+56.45 'NB'	413.24'
603	37+84.57 'NB'	192.07'
604	37+12.10 'NB'	155.91'
605	35+50.00 'NB'	76.52'
606	100+71.77 'CE'	78.95'
607	102+14.83 'CE'	87.52'
608	103+40.13 CE	89.13'
609	105+00.00 'CE'	88.50'
610	108+25.00 'CE'	83.50'
611	115+27.92 'CE'	83.50'
612	116+00.00 'CE'	78.50'
613	120+21.81 'CE'	77.53'
614	122+56.50 'CE'	77.12'
615	123+37.03 'CE'	261.71'
616	123+46.56 'CE'	267.72'
617	124+23.02 'CE'	95.98'
618	124+49.98 'CE'	269.12'
619	124+17.37 'CE'	274.20'
620	123+44.99 'CE'	83.17'
621	114+85.49 'CE'	34.50'
622	112+00.00 'CE'	34.50'
623	111+67.08 'CE'	199.16'
624	111+42.89 'CE'	224.17'
625	108+77.10 'CE'	253.91'
626	108+01.46 'CE'	94.27'
627	103+73.63 'CE'	64.50'
628	102+73.27 'CE'	64.50'
629	101+65.77 'CE'	64.50'
630	100+12.80 'CE'	70.80'
631	30+58.37 'NB'	52.29'
632	27+98.24 'NB'	50.64'
633	27+00.01 'NB'	45.00'
634	27+00.00 'NB'	33.37'
635	27+00.00 'NB'	0.37'
636	123+24.07 'CE'	118.84'

TLE Station & Offset Table		
Point No.	Station	Offset
T650	100+71.29 'CE'	88.98'
T651	101+77.53 'CE'	94.23'
T652	103+73.63 'CE'	98.50'
T653	104+99.21 'CE'	98.47'
T654	108+26.59 'CE'	93.50'
T655	115+27.92 'CE'	93.50'
T656	116+00.00 'CE'	88.50'
T657	120+21.46 'CE'	87.55'
T658	122+83.22 'CE'	84.90'
T659	123+64.79 'CE'	102.44'
T660	115+27.92 'CE'	54.50'
T661	111+95.04 'CE'	54.50'
T662	108+09.59 'CE'	107.83'
T663	103+73.63 'CE'	74.50'
T664	102+73.27 'CE'	74.50'
T665	101+65.77 'CE'	74.50'
T666	100+00.00 'CE'	82.40'
T667	29+50.00 'NB'	41.24'
T668	29+50.00 'NB'	60.00'
T669	29+00.00 'NB'	60.00'
T670	29+00.00 'NB'	42.97'

T651-T652
R=1074.50'
LCH=206.03'
LCB=S06° 07' 08"E
L=206.35'

TPP NUMBER 9200-10-21 - 4.06 , AMEND NO. 1
SHEET 2 OF 2

FILE NAME : G:\AYRES\A20-10032-000\CIVIL 3D\SHEETSPLAN\RW\040101-RP-2019 REVISIONS.DWG
APPRAISAL PLAT DATE : NOVEMBER 07, 2019

PLOT DATE : 11/7/2019 10:41 AM PLOT BY : TIMOTHY HELD PLOT NAME : PLOT SCALE : **********

9200-10-21 4.06, AMEND. 1

OLD HWY 29 SUPER ELEVATION		
STATION	GRADE	REMARKS
100+64.63	-2.00%	END N.C.
101+60.63	2.00%	R.C.
102+56.63	6.00%	BEGIN FULL S.E.
110+71.57	6.00%	END FULL S.E.
111+67.57	2.00%	R.C.
112+63.57	-2.00%	BEGIN N.C.

LEGEND
- LIMITS OF CONCRETE
- LIMITS OF HMA PAVEMENT
- XXXX XXXX SAW CUT
- X TREE TO BE REMOVED

REMOVE CONCRETE CURB AND GUTTER
CULVERT PIPE TO REMAIN
CONSTRUCTION LIMITS STA. 100+00'OH'
CULVERT PIPE TO REMAIN
CULVERT PIPE TO REMAIN
REMOVE EXISTING ROADWAY PAVEMENT
REMOVE EXISTING CULVERT PIPE
BM #200
REMOVE CONCRETE CURB AND GUTTER
REMOVE ROADWAY
LIMIT OF WETLANDS
SLOPE INTERCEPT
LIMIT OF WETLANDS
SLOPE INTERCEPT
SLOPE INTERCEPT
CONSTRUCTION LIMITS STA. 113+50'OH'
PC: 102+08.63'OH'
PT: 111+19.57'OH'
EXISTING R/W
NET LEC
WPS
ATC
QWEST
OLD HWY 29
STH 29 EASTBOUND
STH 29 WESTBOUND
(TO REMAIN)
98'OH'
99'OH'
100'OH'
101'OH'
102'OH'
103'OH'
104'OH'
105'OH'
106'OH'
107'OH'
108'OH'
109'OH'
110'OH'
111'OH'
112'OH'
113'OH'
114'OH'

STA 100+00.00 EL 770.75
VPC STA 100+25.00 VPC EL 770.80
VPI STA 101+00.00 VPI EL 770.95
VPT STA 101+75.00 VPT EL 770.78
VPC STA 107+50.00 VPC EL 769.46
VPI STA 108+65.00 VPI EL 769.20
VPT STA 109+80.00 VPT EL 766.96
STA 113+50.28 EL 762.25
VPC STA 110+57.50 VPC EL 765.45
VPI STA 111+45.00 VPI EL 763.75
VPT STA 112+32.50 VPT EL 763.11

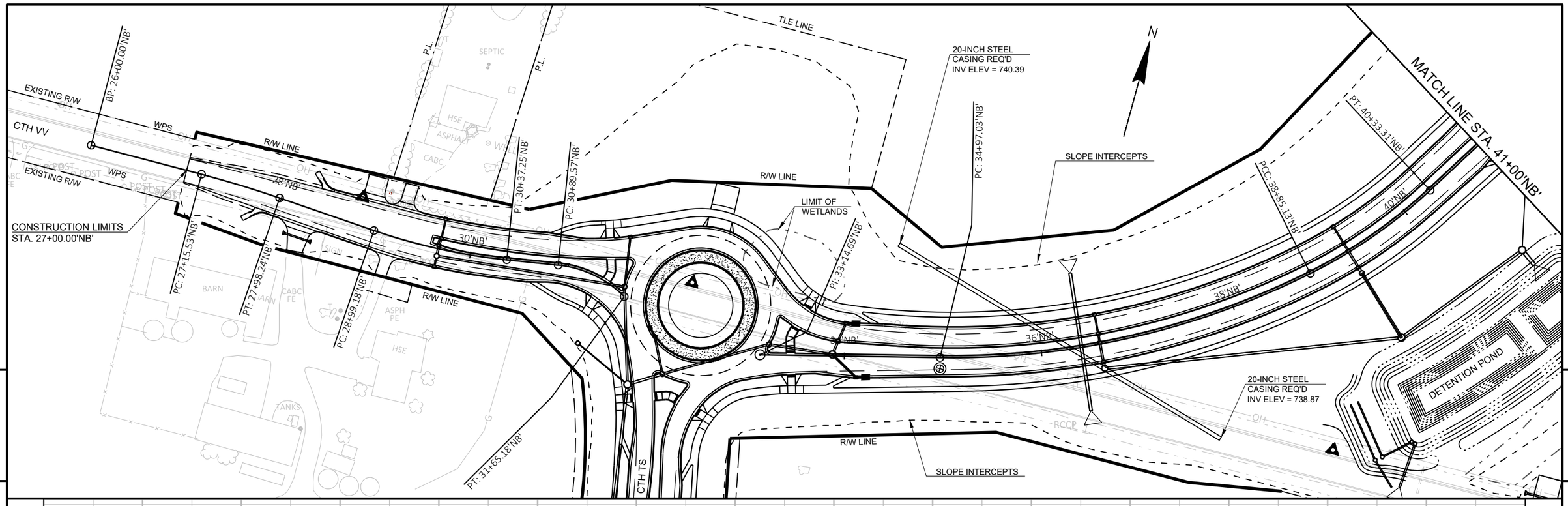
FINISHED GRADE
EXISTING PROFILE
0.20%
-0.23%
-1.95%
-0.73%
VCL = 150.00
K = 347.85
VCL = 230.00
K = 133.92
VCL = 175.00
K = 143.83

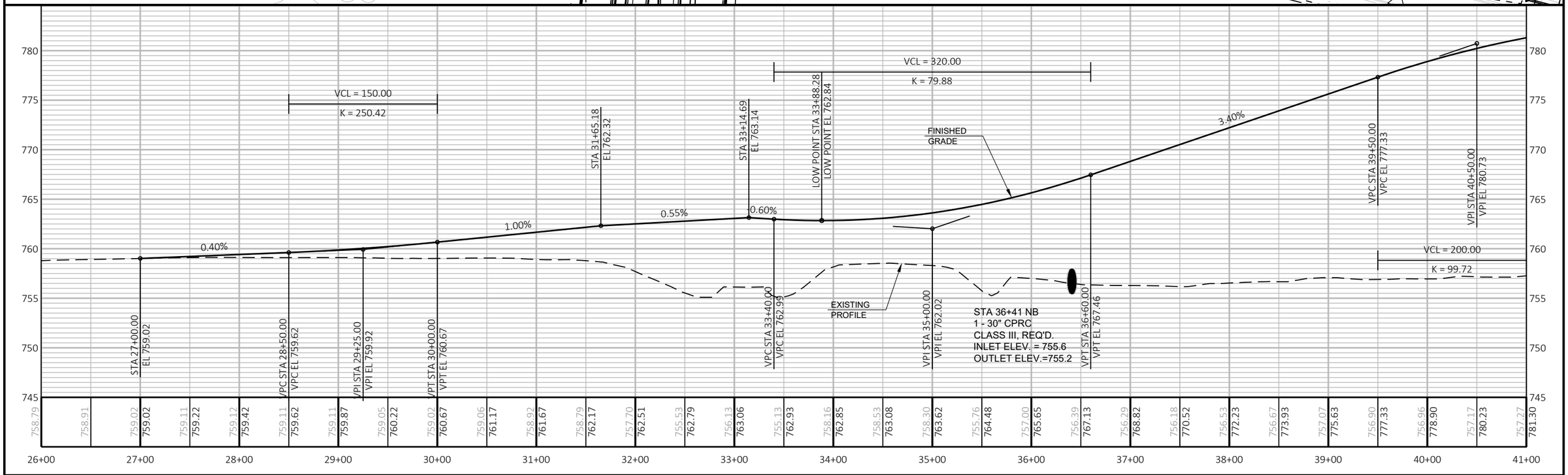
770.66	770.70	770.75	770.74	770.84	770.54	770.87	770.20	770.83	770.17	770.72	770.05	770.61	769.65	770.49	769.41	770.38	768.75	770.27	768.43	770.15	763.33	770.04	764.75	769.92	765.75	769.81	766.68	769.69	767.08	769.58	767.07	769.46	766.74	769.26	766.13	768.86	765.01	768.28	763.23	767.51	760.91	766.57	763.02	765.60	764.29	764.69	763.97	763.95	763.20	763.39	762.68	762.98	762.48	762.62	762.25	762.25	761.98

99+00 100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00 108+00 109+00 110+00 111+00 112+00 113+00 114+00

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: OLD HWY 29 WITH REMOVALS	SHEET 587	E

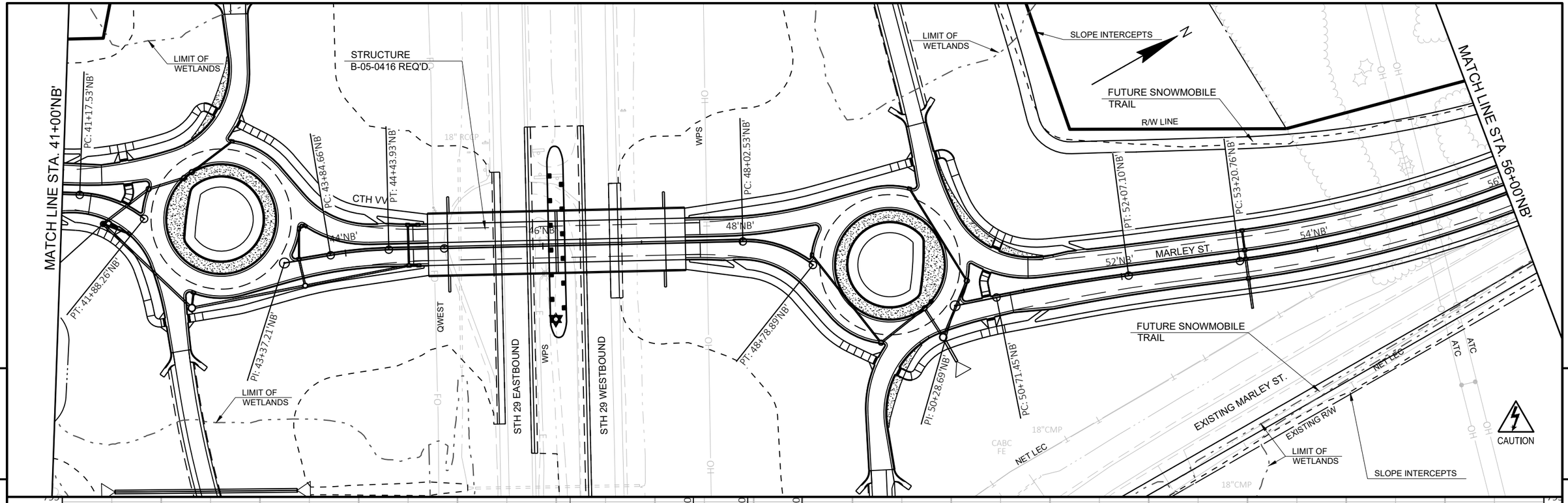
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050101-PPOH.DWG
LAYOUT NAME - 050101 pp
PLOT DATE : 6/30/2020 2:03 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

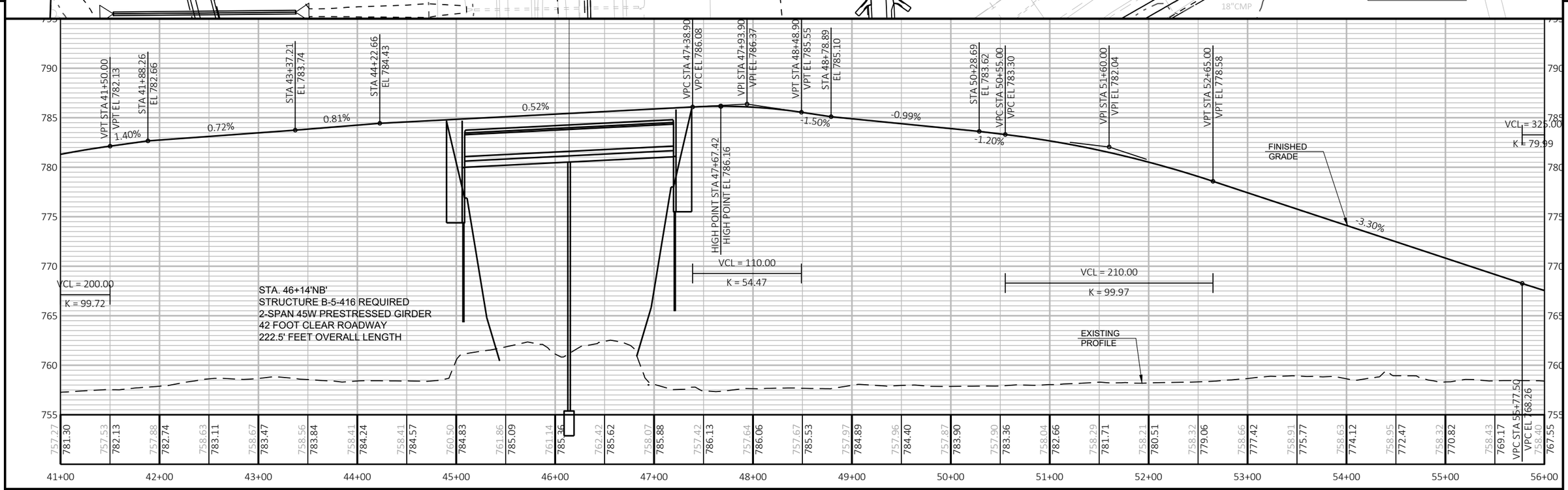




PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: CTH VV NORTHBOUND	SHEET 588	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050102-PPNB.DWG
LAYOUT NAME - 050102 pp
PLOT DATE : 6/30/2020 2:05 PM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



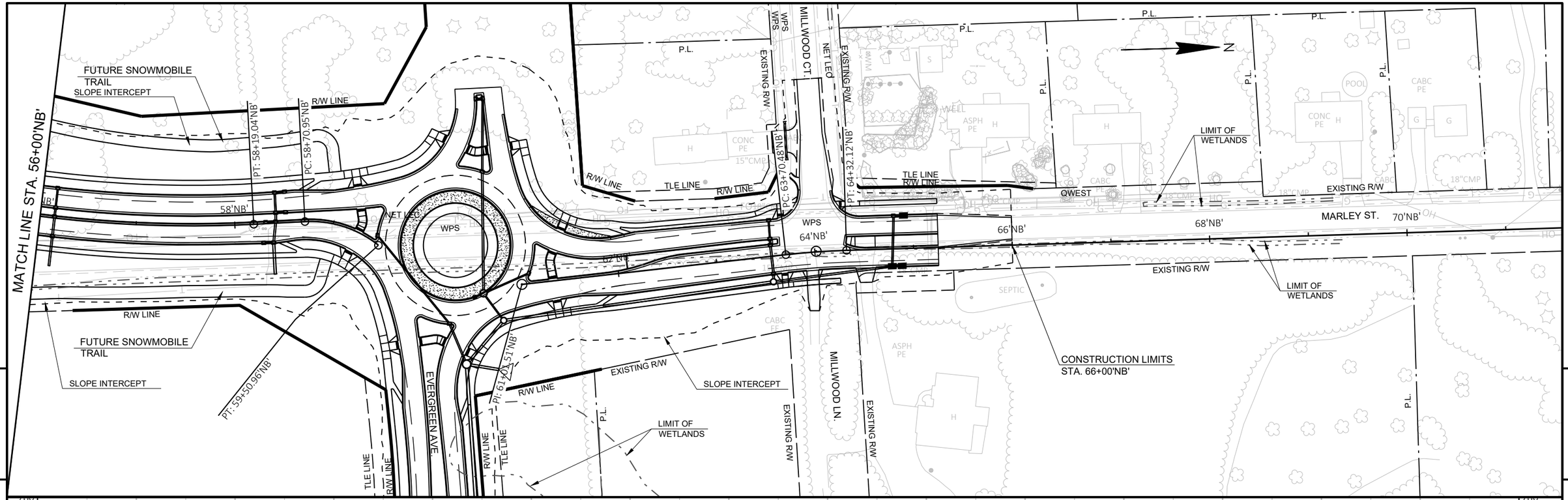


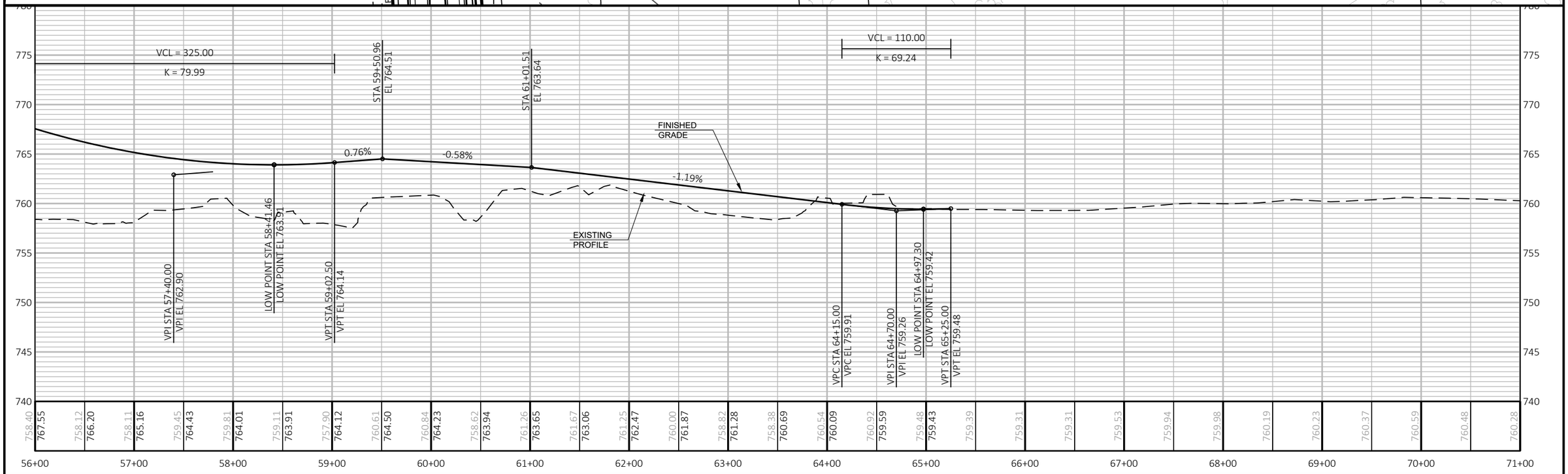
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: CTH VV/MARLEY ST. NORTHBOUND	SHEET 589	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050102-PPNB.DWG
LAYOUT NAME - 050103 pp

PLOT DATE : 6/30/2020 2:06 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

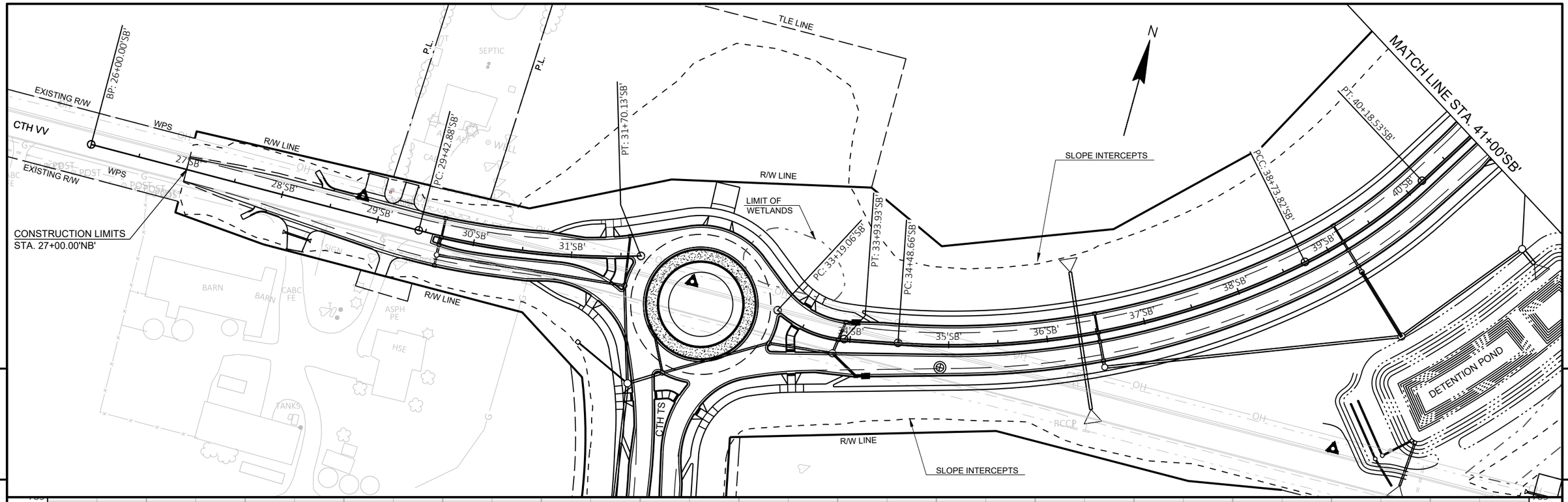


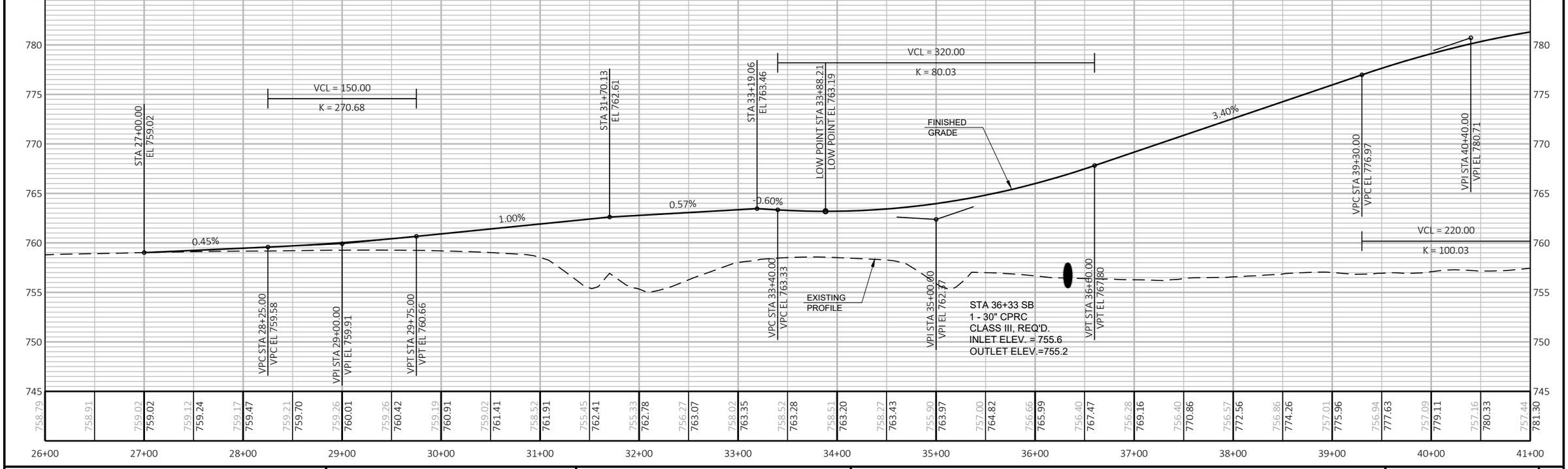


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: MARLEY ST. NORTHBOUND	SHEET 590	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050102-PPNB.DWG
LAYOUT NAME - 050104 pp

PLOT DATE : 6/30/2020 2:06 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

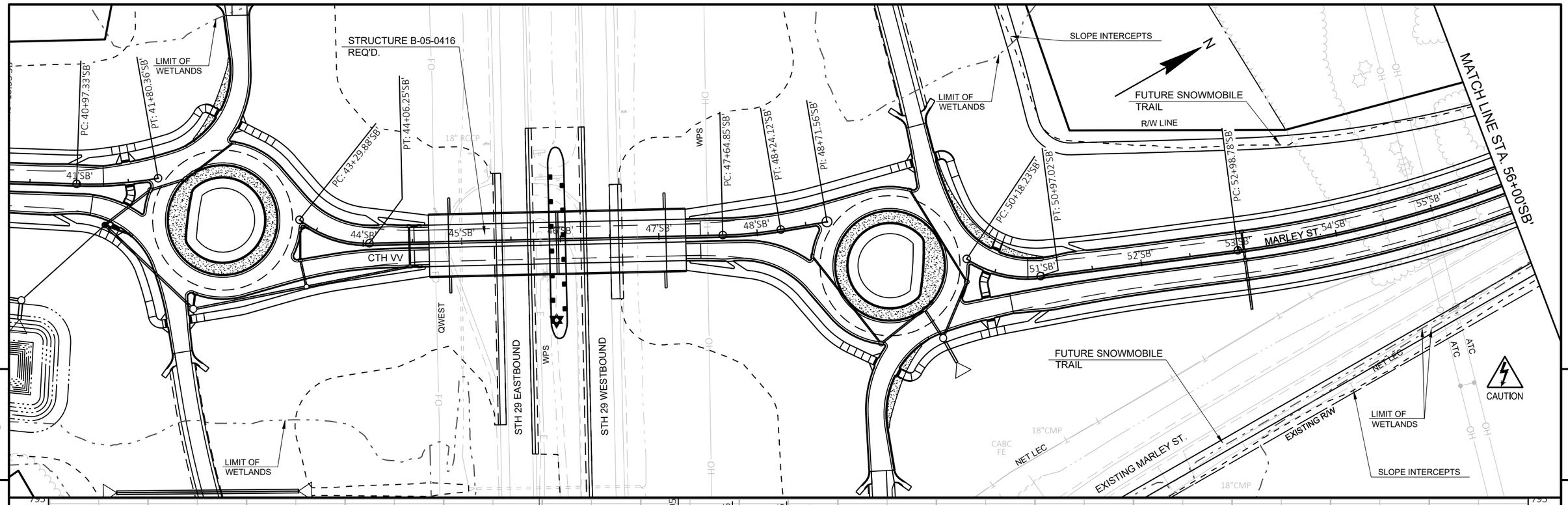




PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: CTH VV SOUTHBOUND	SHEET 591 E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050103-PPSB.DWG
LAYOUT NAME - 050105 pp
PLOT DATE : 6/30/2020 2:08 PM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

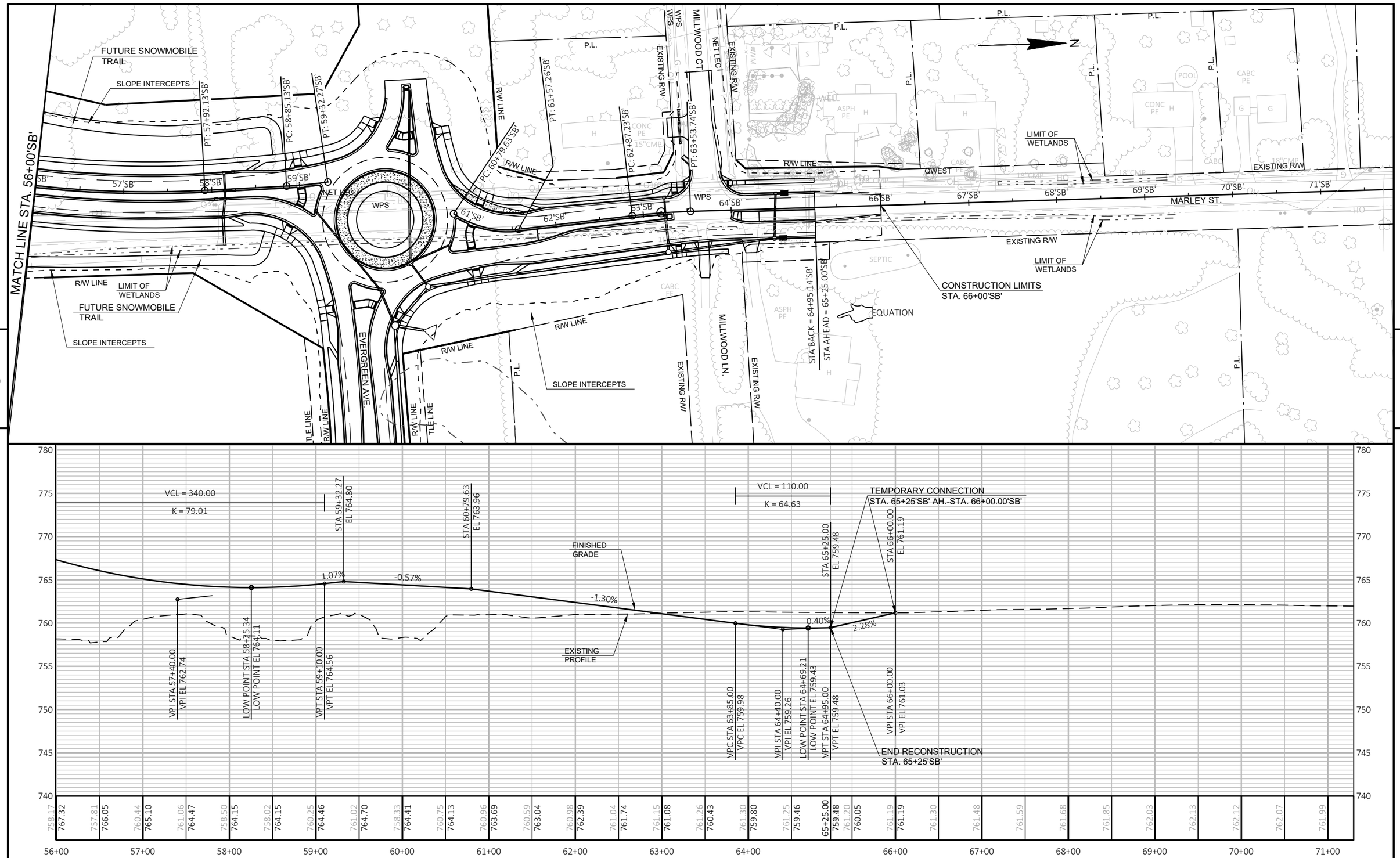


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: CTH VV/MARLEY ST. SOUTHBOUND	SHEET 592	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050103-PPSB.DWG
LAYOUT NAME - 050106 pp

PLOT DATE : 6/30/2020 2:09 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

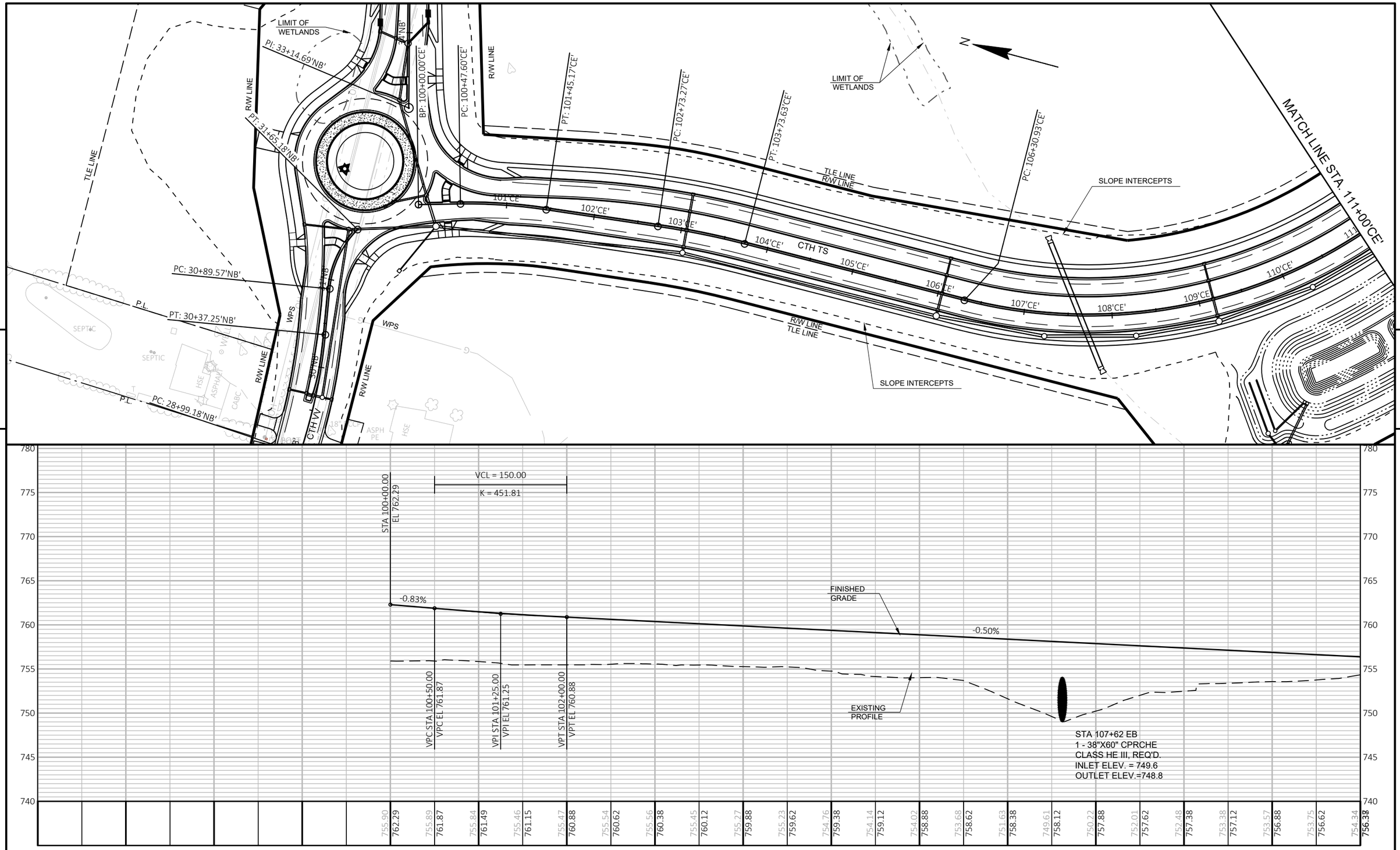
WISDOT/CADDS SHEET 44



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: MARLEY ST. SOUTHBOUND	SHEET 593	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050103-PPSB.DWG
LAYOUT NAME - 050107 pp

PLOT DATE : 6/30/2020 2:10 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : Custom

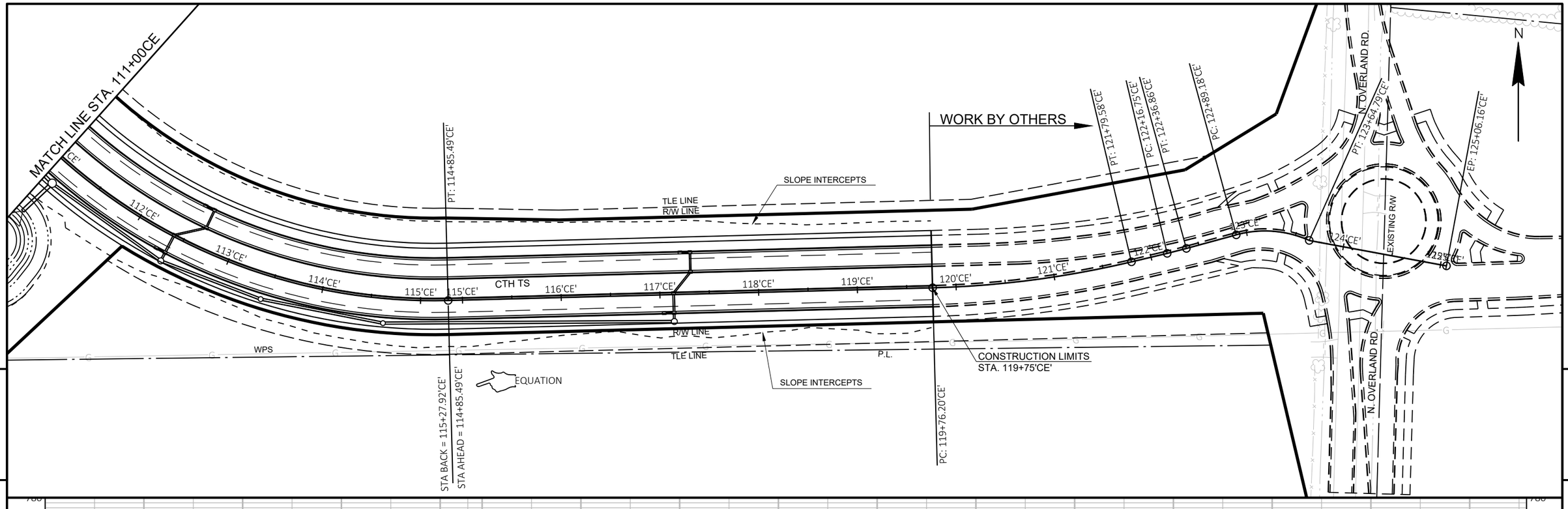


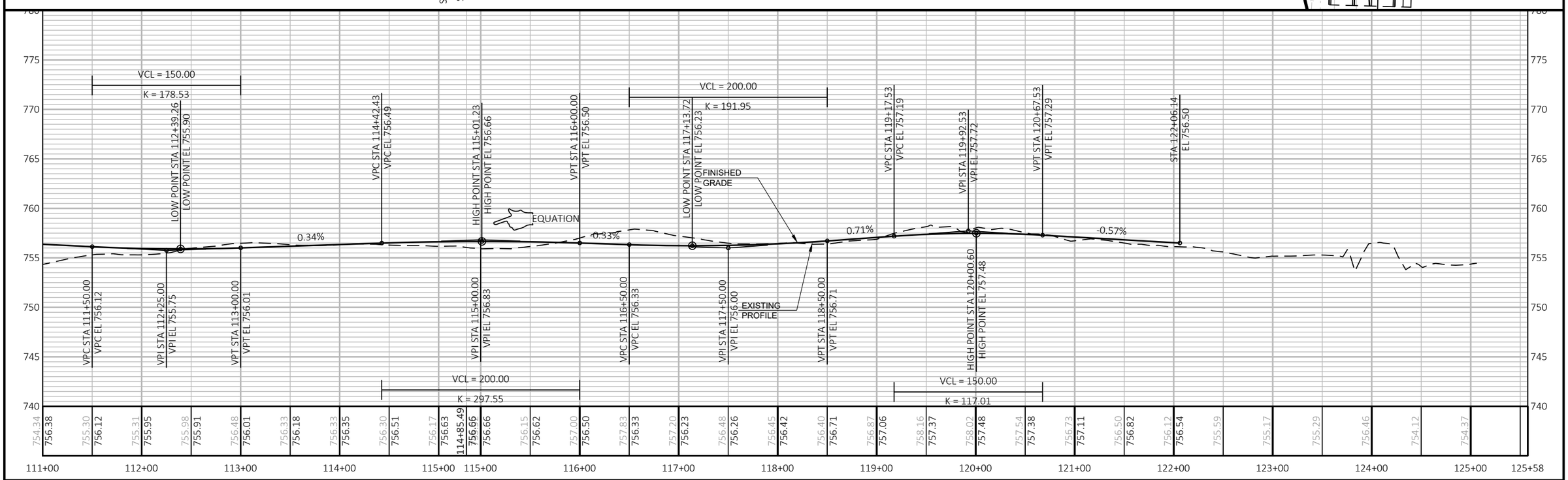
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: CTH TS EASTBOUND	SHEET 594 E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050109-PPCEB.DWG
LAYOUT NAME - 050108 pp

PLOT DATE : 6/30/2020 2:13 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

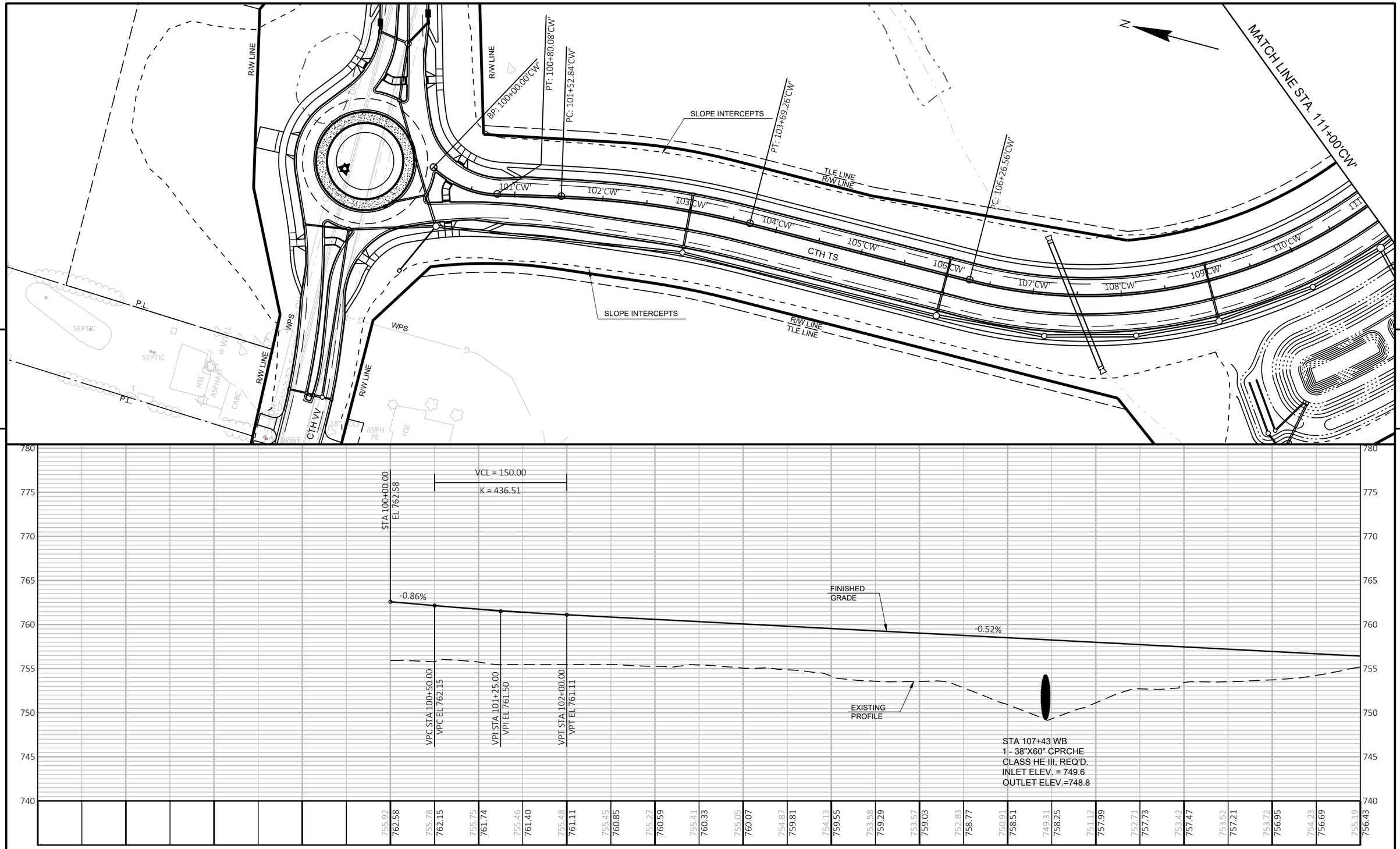
WISDOT/CADDS SHEET 44





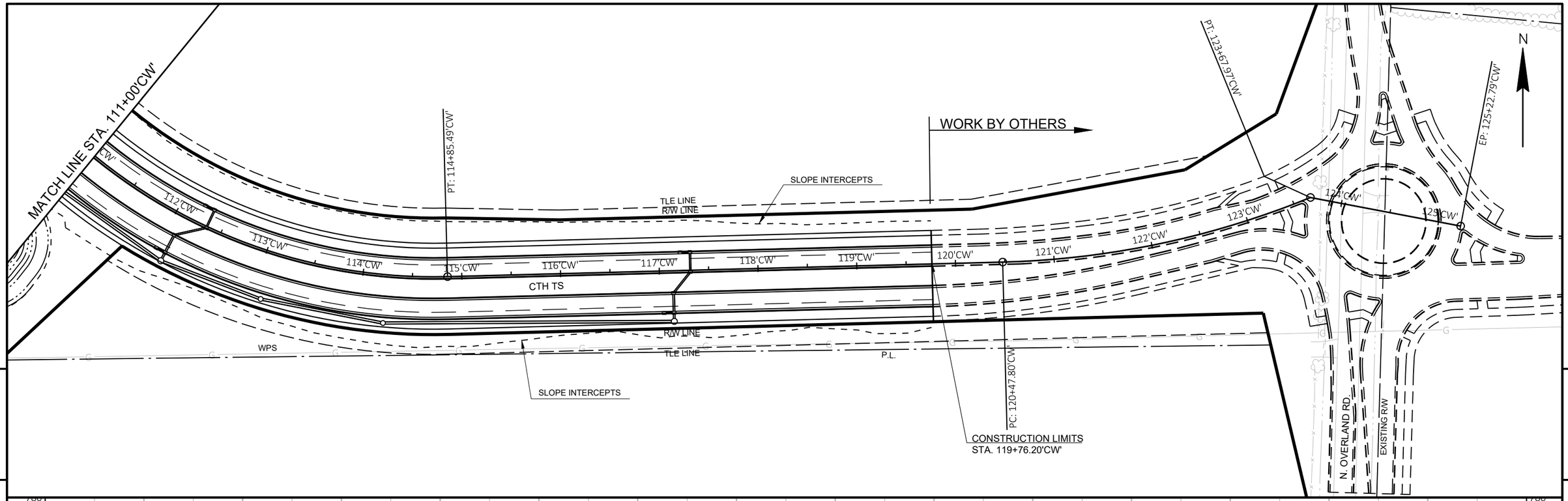
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: CTH TS EASTBOUND	SHEET 595 E

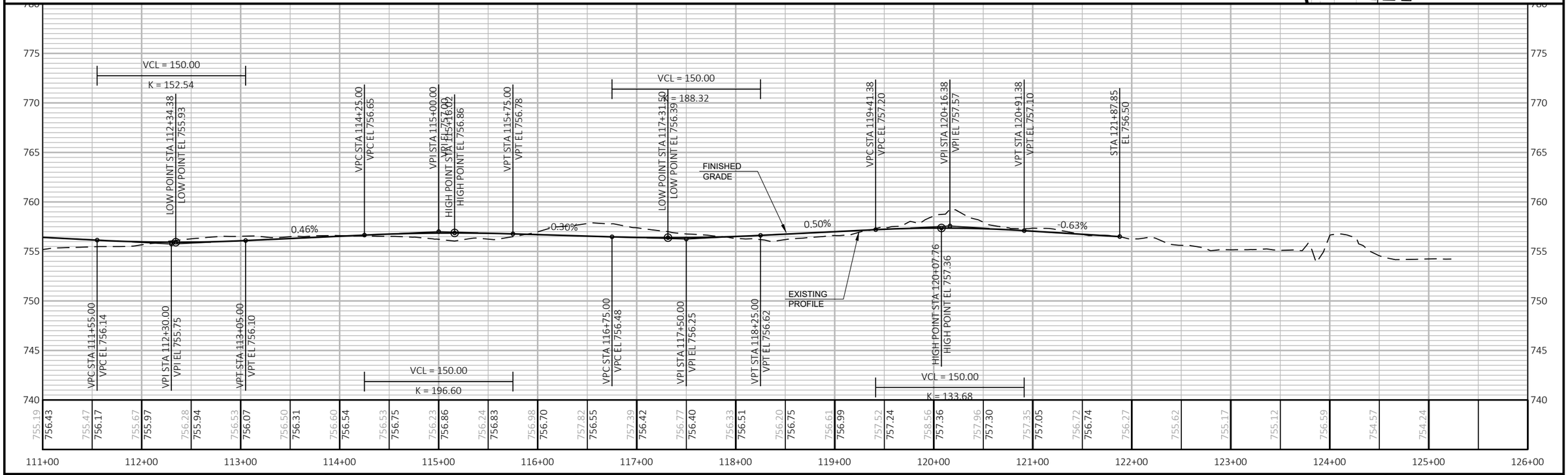
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050109-PPCEB.DWG
LAYOUT NAME - 050109 pp
PLOT DATE : 6/30/2020 2:13 PM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: CTH TS WESTBOUND	SHEET 596 E

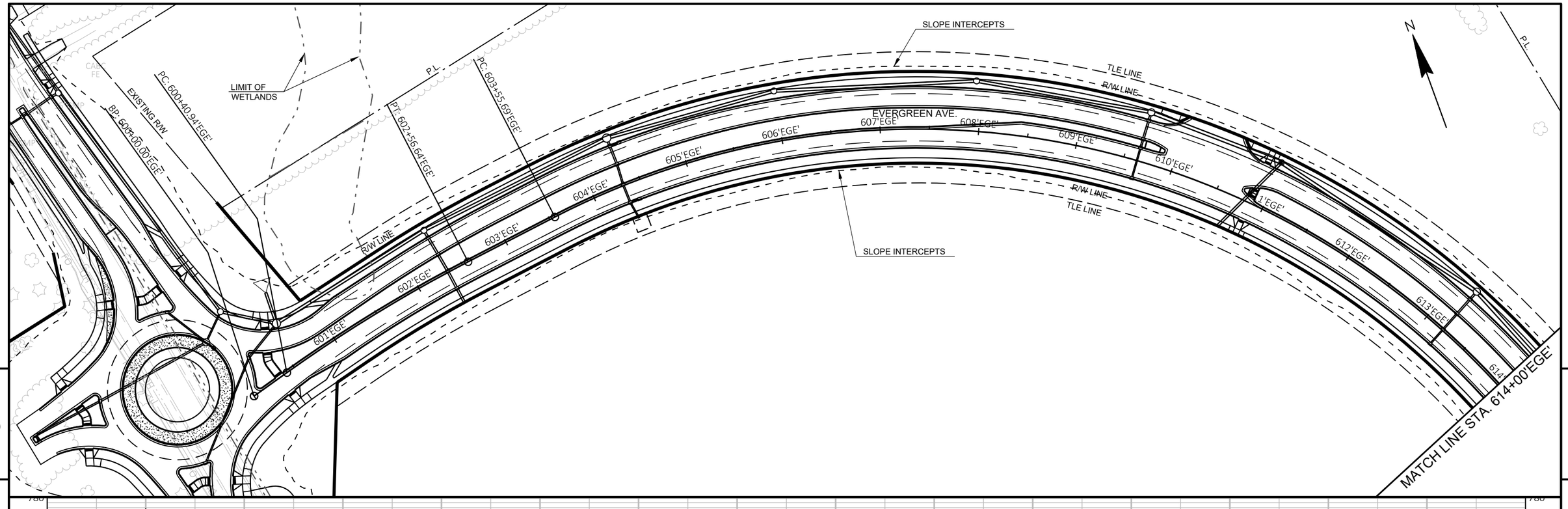
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050110-PPCWB.DWG
LAYOUT NAME - 050110 pp
PLOT DATE : 6/30/2020 2:16 PM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

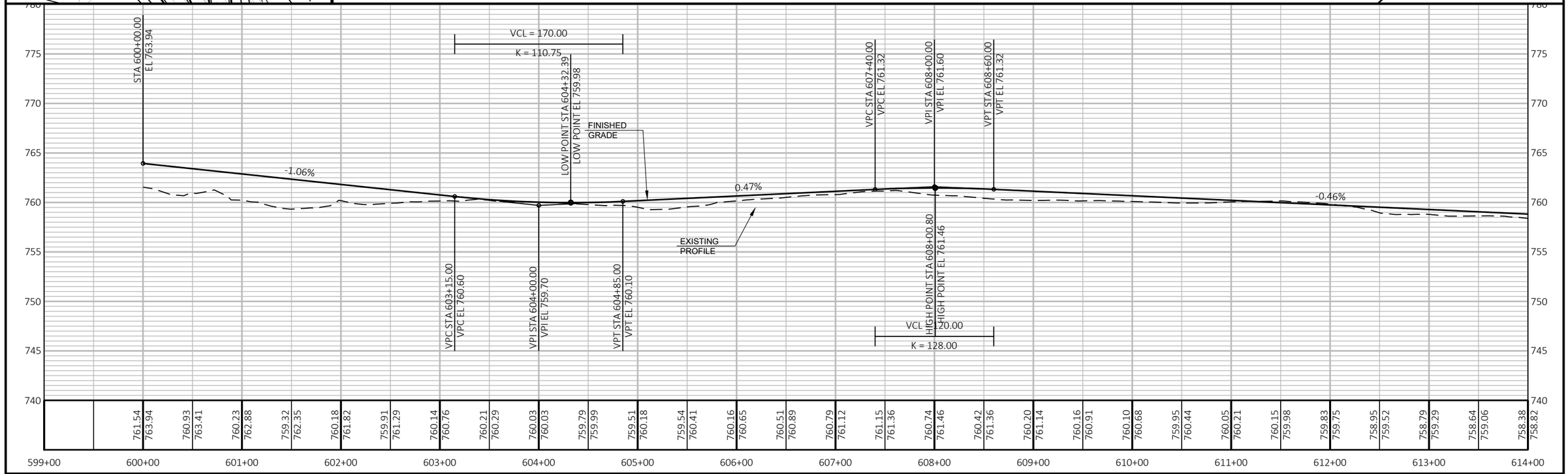




PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: CTH TS WESTBOUND	SHEET 597	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050110-PPCWB.DWG
LAYOUT NAME - 050111 pp
PLOT DATE : 6/30/2020 2:17 PM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: EVERGREEN AVE. EASTBOUND	SHEET 598	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050111-PPEEB.DWG
LAYOUT NAME - 050112 pp
PLOT DATE : 6/30/2020 2:18 PM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

MATCH LINE STA. 614+00'EGE'

MATCH LINE STA. 629+00'EGE'

PT: 614+15.47'EGE'

PC: 618+21.64'EGE'

PT: 626+20.70'EGE'

EVERGREEN AVE

CONNECTION RD.

701 CT

615'EGE' 616'EGE' 617'EGE' 618'EGE' 619'EGE' 620'EGE' 621'EGE' 622'EGE' 623'EGE' 624'EGE' 625'EGE' 626'EGE' 627'EGE' 628'EGE' 629

P.L. TLE LINE R/W LINE ATC OH CAUTION SLOPE INTERCEPTS WELL SEPTIC CABC FE

N

5 5

VCL = 120.00
K = 126.20
LOW POINT STA 615+98.37
LOW POINT EL 758.04
VPC STA 615+40.00
VPC EL 758.18
VPI STA 616+00.00
VPI EL 757.90
VPT STA 616+60.00
VPT EL 758.19
VPC STA 619+70.00
VPC EL 759.71
VPI STA 620+30.00
VPI EL 760.00
VPT STA 620+90.00
VPT EL 759.62
HIGH POINT STA 620+22.16
HIGH POINT EL 759.83
VCL = 120.00
K = 106.81
EXISTING PROFILE
VPC STA 623+40.00
VPC EL 758.03
VCL = 120.00
K = 105.71
LOW POINT STA 624+07.14
LOW POINT EL 757.82
VPI STA 624+00.00
VPI EL 757.65
VPT STA 624+60.00
VPT EL 757.95
VPC STA 625+35.00
VPC EL 758.32
VPI STA 626+00.00
VPI EL 758.65
VPT STA 626+65.00
VPT EL 758.41
HIGH POINT STA 626+10.27
HIGH POINT EL 758.51
VCL = 130.00
K = 150.54
FINISHED GRADE
0.49% -0.64% 0.50%

780 775 770 765 760 755 750 745 740

758.38 758.82 758.23 758.59 758.15 758.36 758.24 758.14 757.93 758.04 757.78 758.15 757.68 758.39 757.76 758.63 757.69 758.88 757.78 759.12 757.56 759.37 757.97 759.61 760.04 759.81 760.08 759.80 759.67 759.56 758.73 759.24 758.78 758.92 758.57 758.60 758.33 758.29 758.21 757.97 757.95 757.82 758.14 757.90 758.12 758.15 758.23 758.39 758.60 758.51 758.45 758.46 758.24 758.29 757.88 758.10 757.99 757.92 757.85 757.74 757.49 757.56

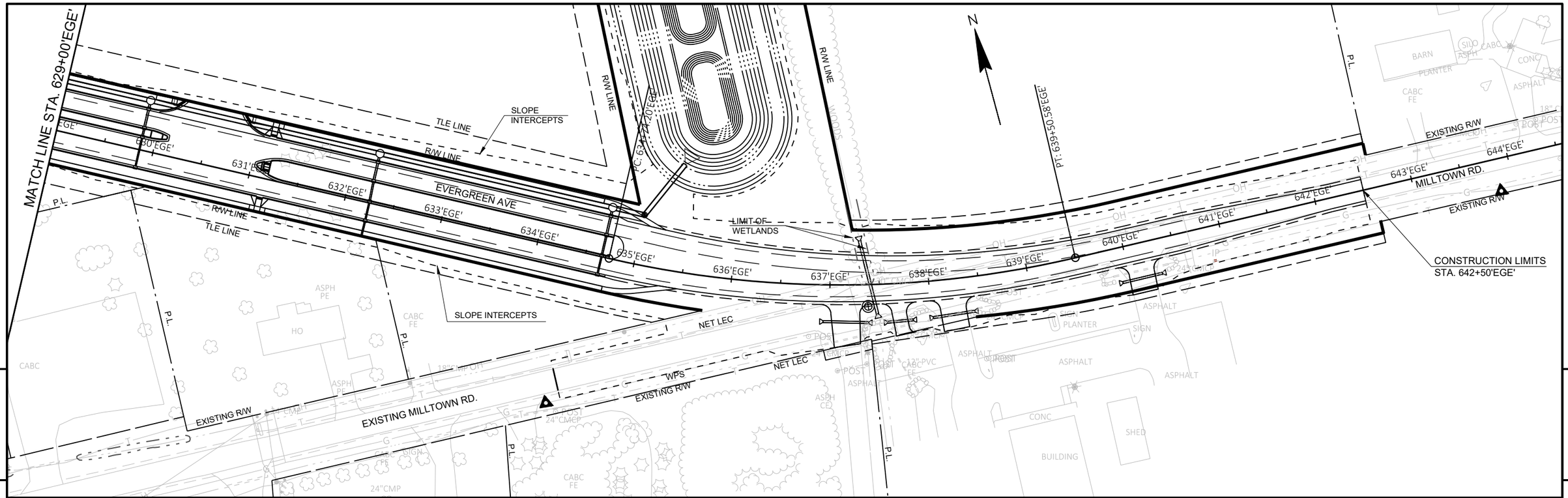
614+00 615+00 616+00 617+00 618+00 619+00 620+00 621+00 622+00 623+00 624+00 625+00 626+00 627+00 628+00 629+00

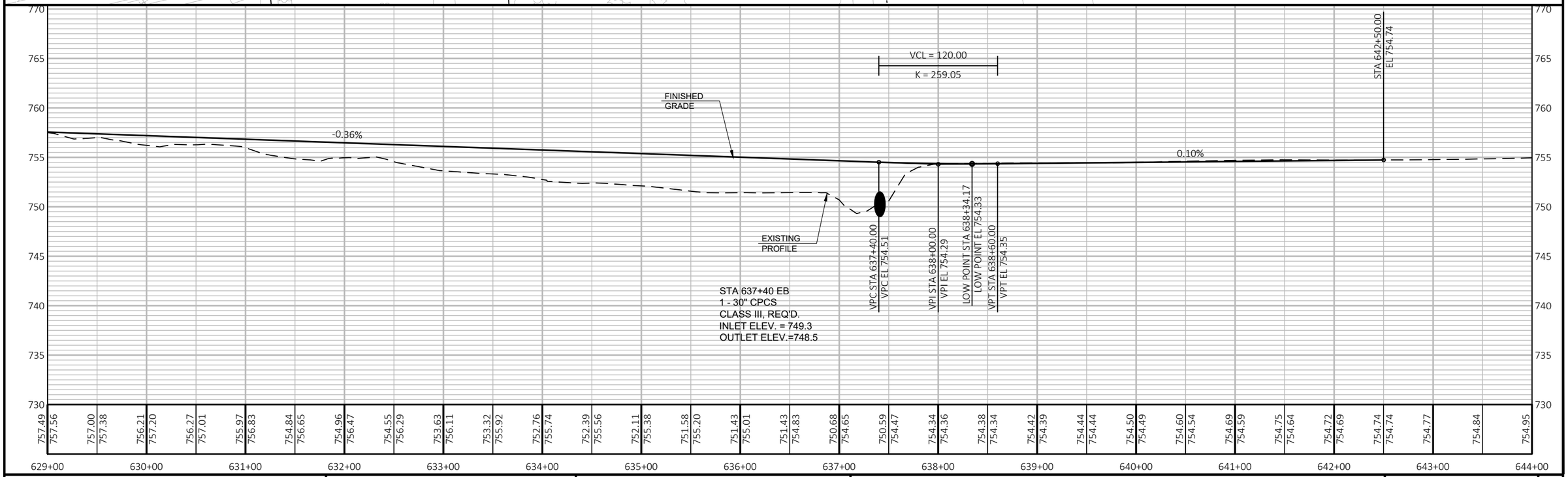
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: EVERGREEN AVE. EASTBOUND	SHEET 599	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050111-PPEEB.DWG
LAYOUT NAME - 050113 pp

PLOT DATE : 6/30/2020 2:19 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



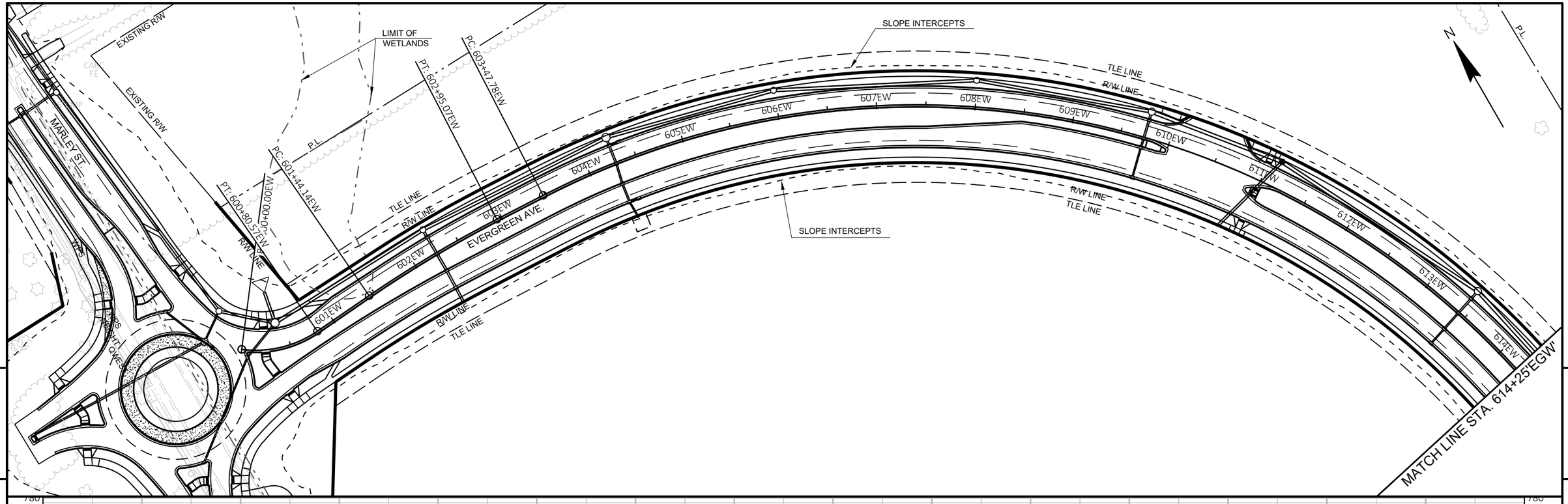


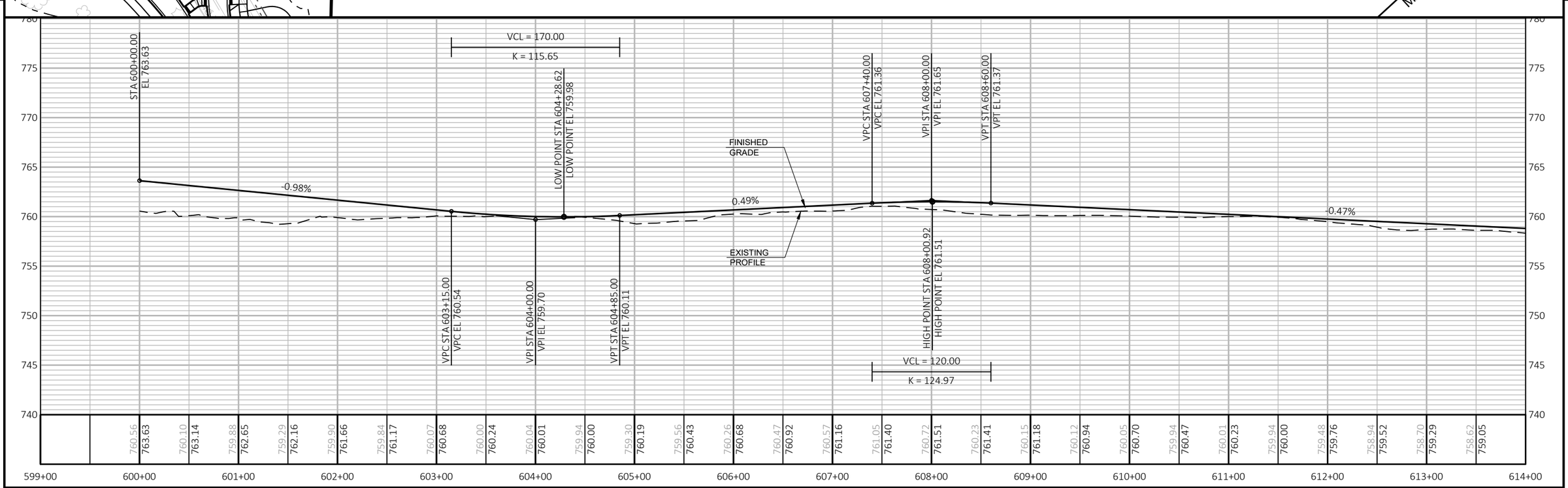
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: EVERGREEN AVE. EASTBOUND	SHEET 600 E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050111-PPEEB.DWG
LAYOUT NAME - 050114 pp

PLOT DATE : 6/30/2020 2:19 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

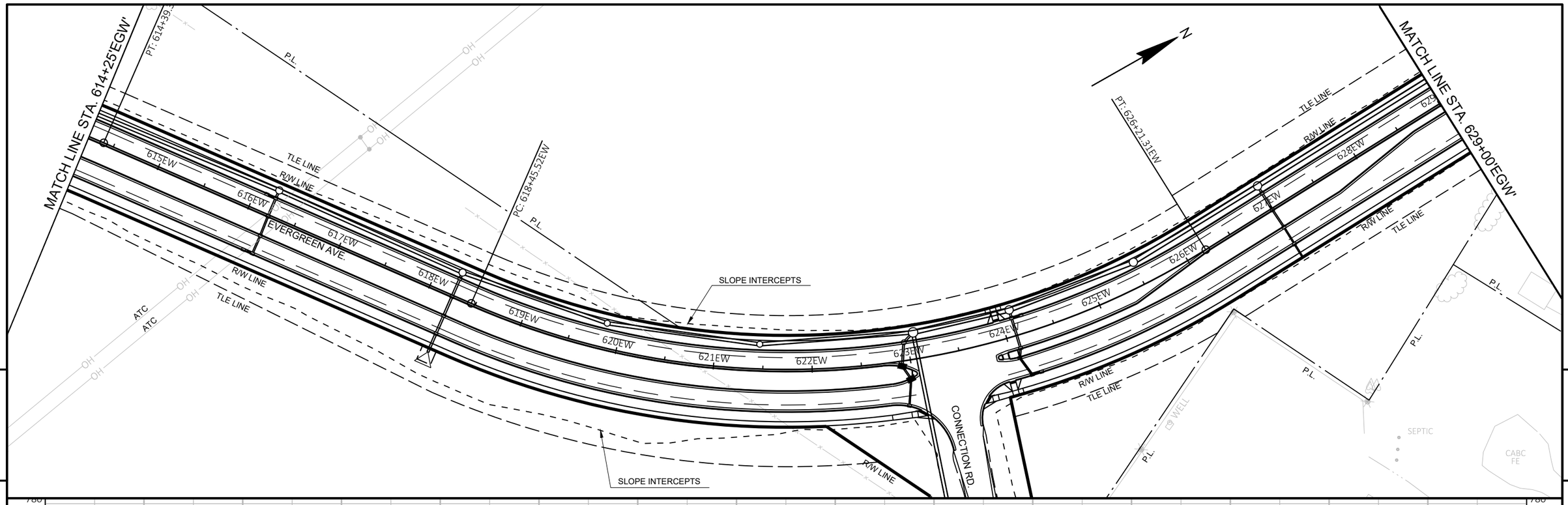
WISDOT/CADDS SHEET 44

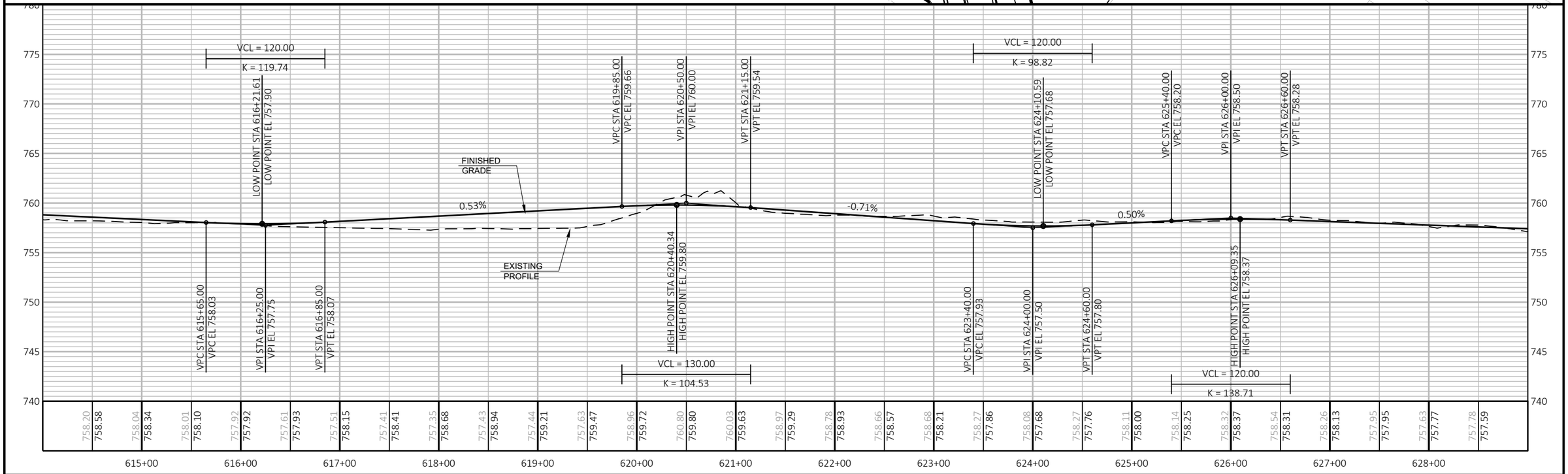




PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: EVERGREEN AVE. WESTBOUND	SHEET 601	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050112-PPEWB.DWG
LAYOUT NAME - 050115 pp
PLOT DATE : 6/30/2020 2:21 PM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



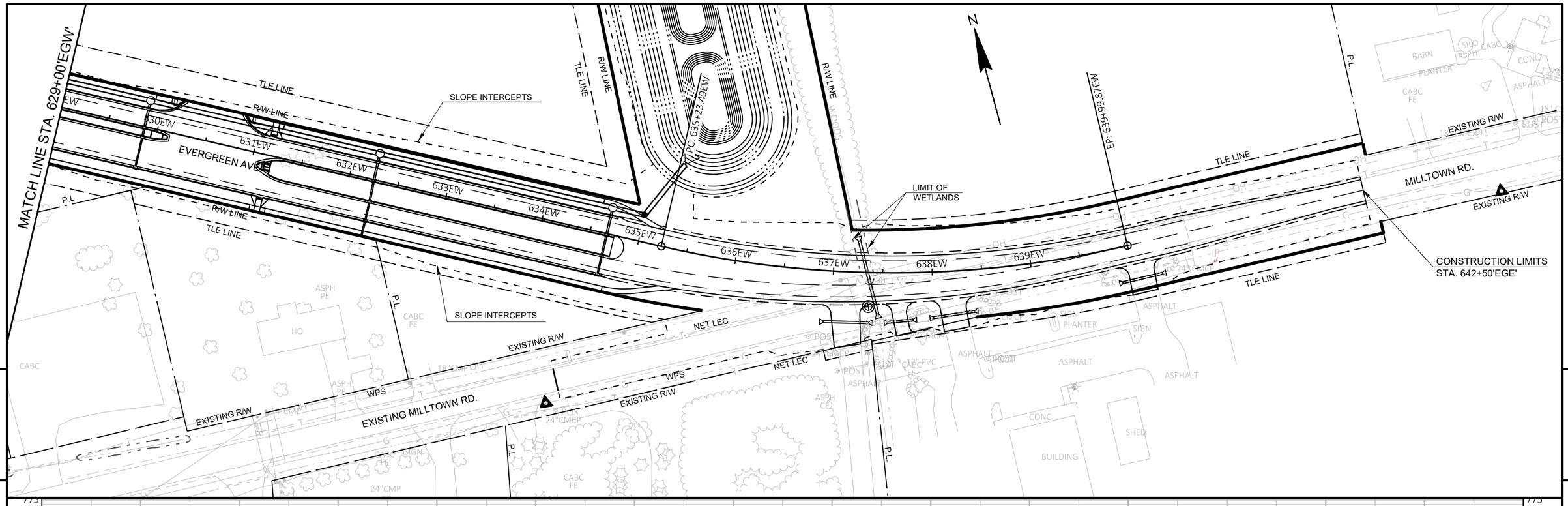


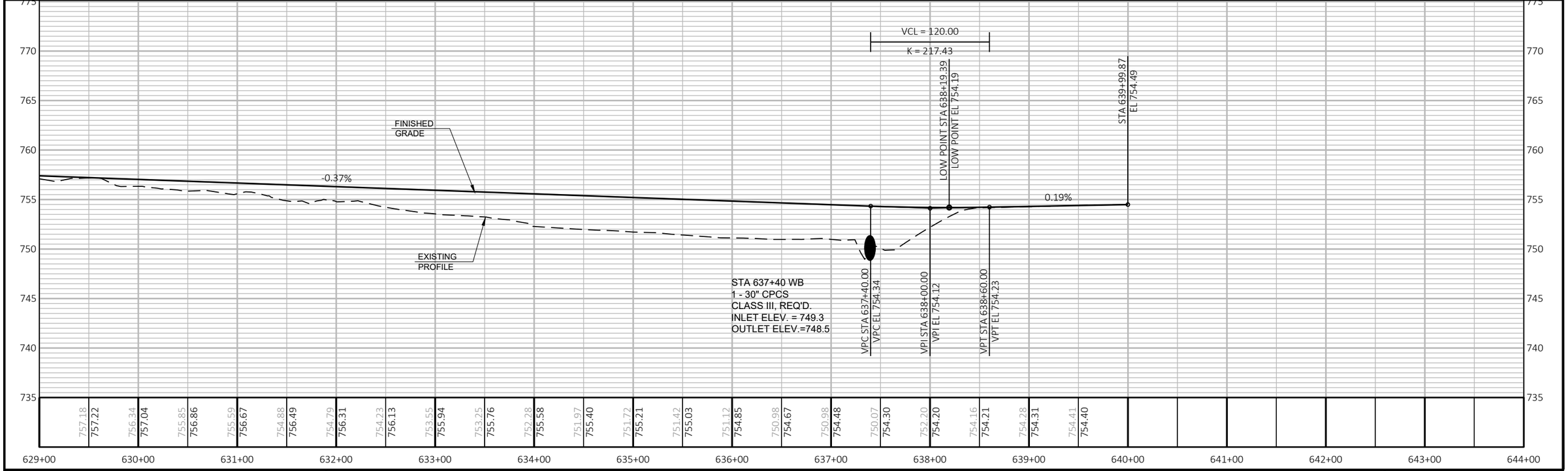
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: EVERGREEN AVE. WESTBOUND	SHEET 602	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050112-PPEWB.DWG
LAYOUT NAME - 050116 pp

PLOT DATE : 6/30/2020 2:21 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



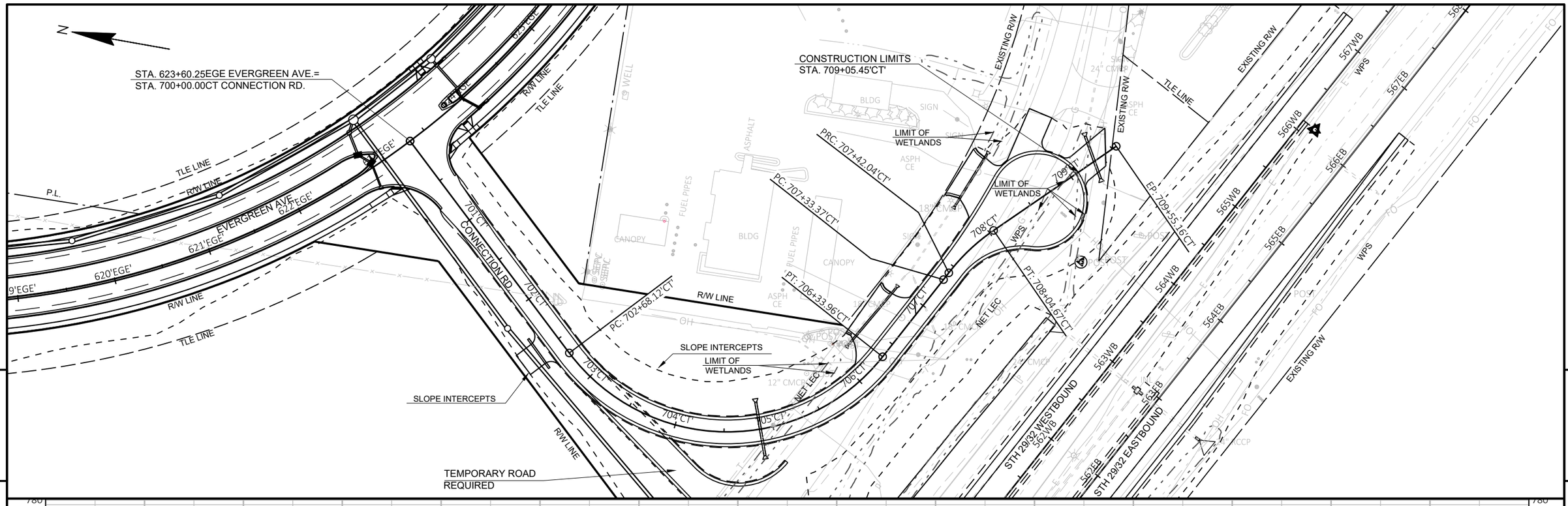


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: EVERGREEN AVE. WESTBOUND	SHEET 603	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050112-PPEWB.DWG
LAYOUT NAME - 050117 pp

PLOT DATE : 6/30/2020 2:22 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

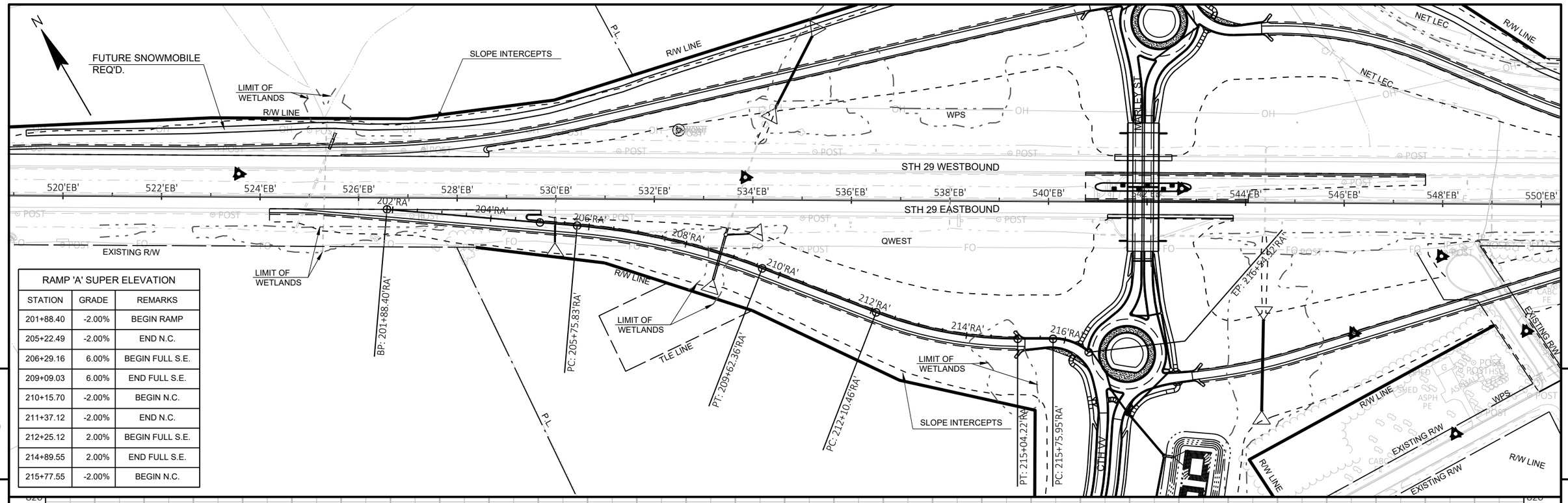


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: CONNECTION RD.	SHEET 604 E

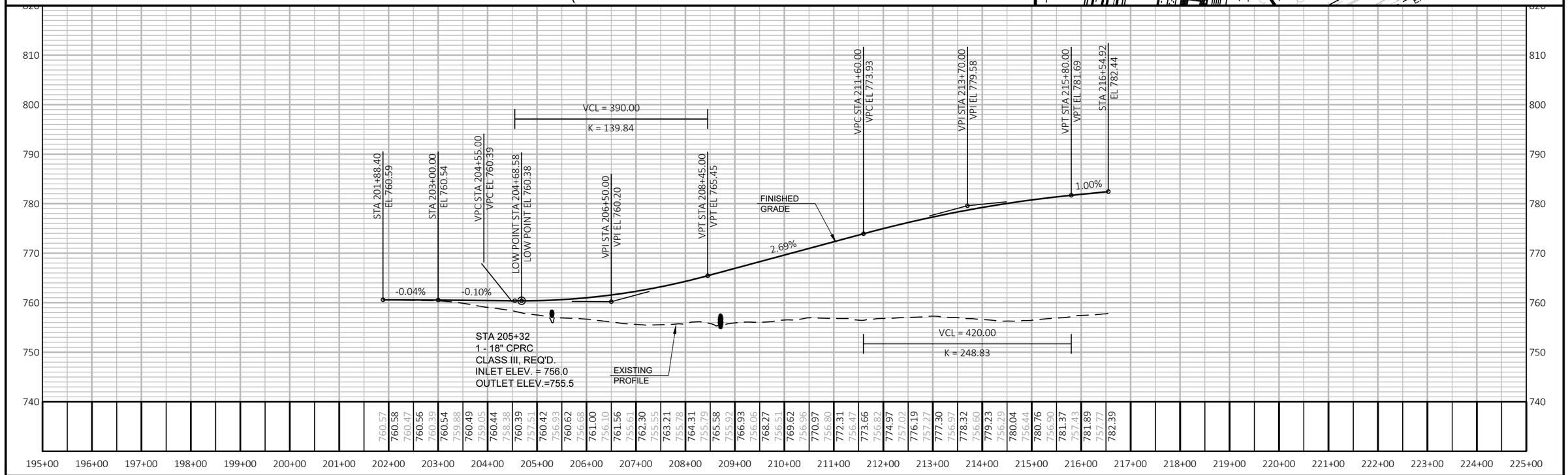
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050114-PPCN.DWG
LAYOUT NAME - 050118 pp

PLOT DATE : 6/30/2020 2:24 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

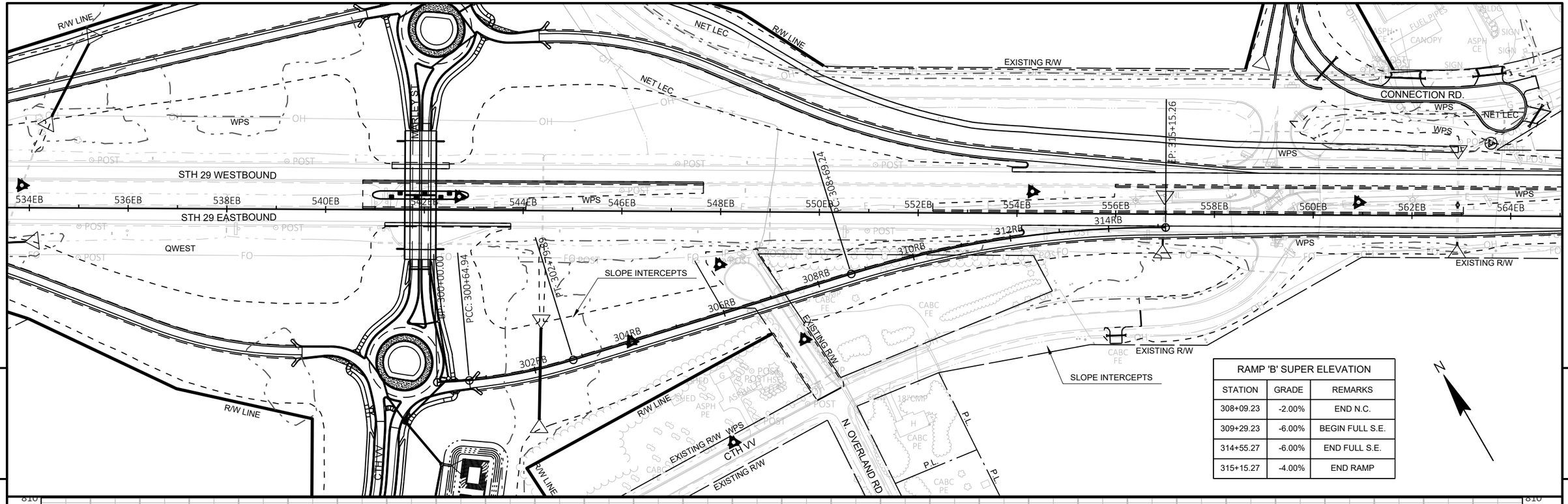


RAMP 'A' SUPER ELEVATION		
STATION	GRADE	REMARKS
201+88.40	-2.00%	BEGIN RAMP
205+22.49	-2.00%	END N.C.
206+29.16	6.00%	BEGIN FULL S.E.
209+09.03	6.00%	END FULL S.E.
210+15.70	-2.00%	BEGIN N.C.
211+37.12	-2.00%	END N.C.
212+25.12	2.00%	BEGIN FULL S.E.
214+89.55	2.00%	END FULL S.E.
215+77.55	-2.00%	BEGIN N.C.

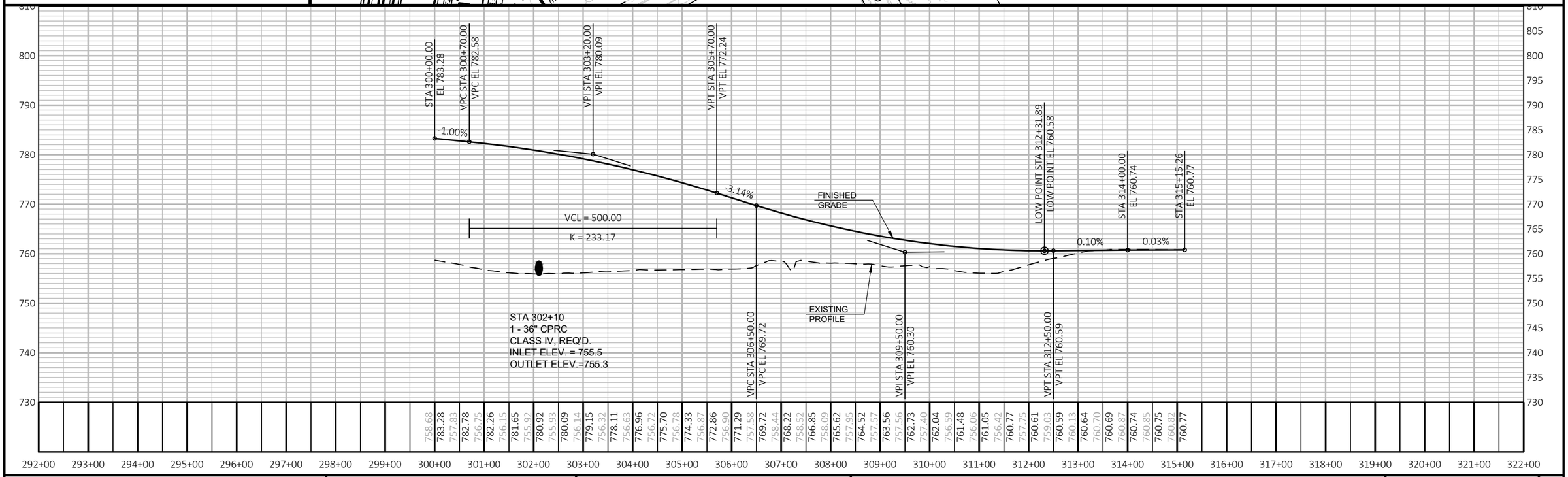


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: RAMP 'A'	SHEET 605	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050105-PPRA.DWG
LAYOUT NAME - 050119 pp
PLOT DATE : 6/30/2020 2:26 PM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:200 FT



RAMP 'B' SUPER ELEVATION		
STATION	GRADE	REMARKS
308+09.23	-2.00%	END N.C.
309+29.23	-6.00%	BEGIN FULL S.E.
314+55.27	-6.00%	END FULL S.E.
315+15.27	-4.00%	END RAMP



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: RAMP 'B'	SHEET 606	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050106-PPRB.DWG
LAYOUT NAME - 050120 pp

PLOT DATE : 6/30/2020 2:28 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

RAMP 'C' SUPER ELEVATION		
STATION	GRADE	REMARKS
400+77.36	-2.00%	END N.C.
401+65.36	2.00%	BEGIN FULL S.E.
405+12.36	2.00%	END FULL S.E.
406+19.02	-2.00%	N.C.
407+25.69	-6.00%	BEGIN FULL S.E.
410+51.36	-6.00%	END FULL S.E.
411+58.03	-2.00%	BEGIN N.C.

FUTURE SNOWMOBILE REQ'D.
LIMIT OF WETLANDS
R/W LINE
MARLEY ST
EXISTING R/W
NET LEC
SLOPE INTERCEPTS
STH 29 WESTBOUND
STH 29 EASTBOUND
QWEST
BP: 400+00.00'RC'
PC: 401+50.70'RC'
PT: 400+78.97'RC'
PT: 404+94.01'RC'
PC: 406+72.36'RC'
PT: 411+04.69'RC'
EP: 414+47.50'RC'
402'RC'
404'RC'
406'RC'
408'RC'
410'RC'
412'RC'
414'RC'
534'WB' 536'WB' 538'WB' 540'WB' 542'WB' 544'WB' 546'WB' 548'WB' 550'WB' 552'WB' 554'WB' 556'WB' 558'WB' 560'WB' 562'WB' 564'WB'
OH WPS E FO POST
5

STA 400+00.00 EL 783.65
VPC STA 400+60.00 VPC EL 783.05
VPI STA 403+10.00 VPI EL 780.55
VPT STA 405+60.00 VPT EL 773.18
VCL = 420.00
K = 140.26
FINISHED GRADE
1.00%
-2.95%
0.05%
LOW POINT STA 411+93.57 LOW POINT EL 760.59
STA 414+48.03 EL 760.71
VCL = 500.00
K = 256.60
EXISTING PROFILE
VPC STA 407+80.00 VPC EL 766.69
VPI STA 409+90.00 VPI EL 760.50
VPT STA 412+00.00 VPT EL 760.60

820 810 800 790 780 770 760 750 740

757.70 783.65 757.41 783.15 757.37 782.62 757.64 781.99 758.24 781.27 757.74 780.45 757.35 779.53 757.26 778.51 759.67 777.40 761.25 776.19 761.85 774.88 761.05 773.47 759.37 772.00 758.01 770.52 758.14 769.05 758.49 767.58 759.04 766.12 759.47 764.80 759.95 763.67 758.79 762.71 758.10 761.93 757.75 761.33 757.80 760.91 757.87 760.66 758.51 760.60 759.39 760.62 760.29 760.64 760.56 760.67 760.62 760.69

391+00 392+00 393+00 394+00 395+00 396+00 397+00 398+00 399+00 400+00 401+00 402+00 403+00 404+00 405+00 406+00 407+00 408+00 409+00 410+00 411+00 412+00 413+00 414+00 415+00 416+00 417+00 418+00 419+00 420+00 421+00

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: RAMP 'C'	SHEET 607	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050107-PPRC.DWG
LAYOUT NAME - 050121 pp
PLOT DATE : 6/30/2020 2:30 PM
PLOT BY : SOUFAL, KEVIN
PLOT NAME :
PLOT SCALE : 1 IN:200 FT

RAMP 'D' SUPER ELEVATION		
STATION	GRADE	REMARKS
509+60.00	-4.00%	BEGIN RAMP
510+20.00	-6.00%	BEGIN FULL S.E.
513+94.77	-6.00%	END FULL S.E.
515+14.77	-2.00%	BEGIN N.C.

N

FUTURE SNOWMOBILE REQ'D.

LIMIT OF WETLANDS

SLOPE INTERCEPTS

R/W LINE

BP: 509+60.00

PT: 514+54.77

PC: 524+67.65

EP: 525+81.88

MARLEY ST

EXISTING R/W

NET LEC

WPS

STH 29 WESTBOUND

STH 29 EASTBOUND

QWEST

ATC

OH

FO

P.L.

5

520'WB' 522'WB' 524'WB' 526'WB' 528'WB' 530'WB' 532'WB' 534'WB' 536'WB' 538'WB' 540'WB' 542'WB' 544'WB' 546'WB' 548'WB'

510'RD 512'RD 514'RD 516'RD 518'RD 520'RD 522'RD 524'RD

VCL = 570.00

K = 185.01

VCL = 500.00

K = 256.90

STA 509+60.00 EL 760.39

STA 510+20.00 EL 760.45

LOW POINT STA 512+54.29 LOW POINT EL 760.16

VPC STA 512+30.00 VPC EL 760.17

VPI STA 515+15.00 VPI EL 759.80

VPT STA 518+00.00 VPT EL 768.21

VPC STA 520+00.00 VPC EL 774.11

VPI STA 522+50.00 VPI EL 781.48

VPT STA 525+00.00 VPT EL 783.99

STA 525+81.88 EL 784.81

FINISHED GRADE

EXISTING PROFILE

0.10% -0.13% 2.95% 1.00%

STA 518+86
1 - 30" CPRC
CLASS IV. REQ'D.
INLET ELEV. = 755.6
OUTLET ELEV.=755.4

760.45 760.43 760.42 760.41 760.36 760.34 760.17 760.28 760.01 760.21 757.85 760.16 757.27 760.21 757.02 760.41 756.94 760.73 756.90 761.19 756.89 761.79 757.02 762.52 757.14 763.39 757.08 764.39 756.96 765.53 756.77 766.80 756.93 768.21 756.38 769.68 756.04 771.16 756.18 772.63 756.43 774.11 756.74 775.53 756.46 776.86 756.35 778.09 756.19 779.23 756.15 780.26 756.22 781.20 756.21 782.05 756.27 782.79 756.44 783.44 756.95 783.99 757.41 784.49

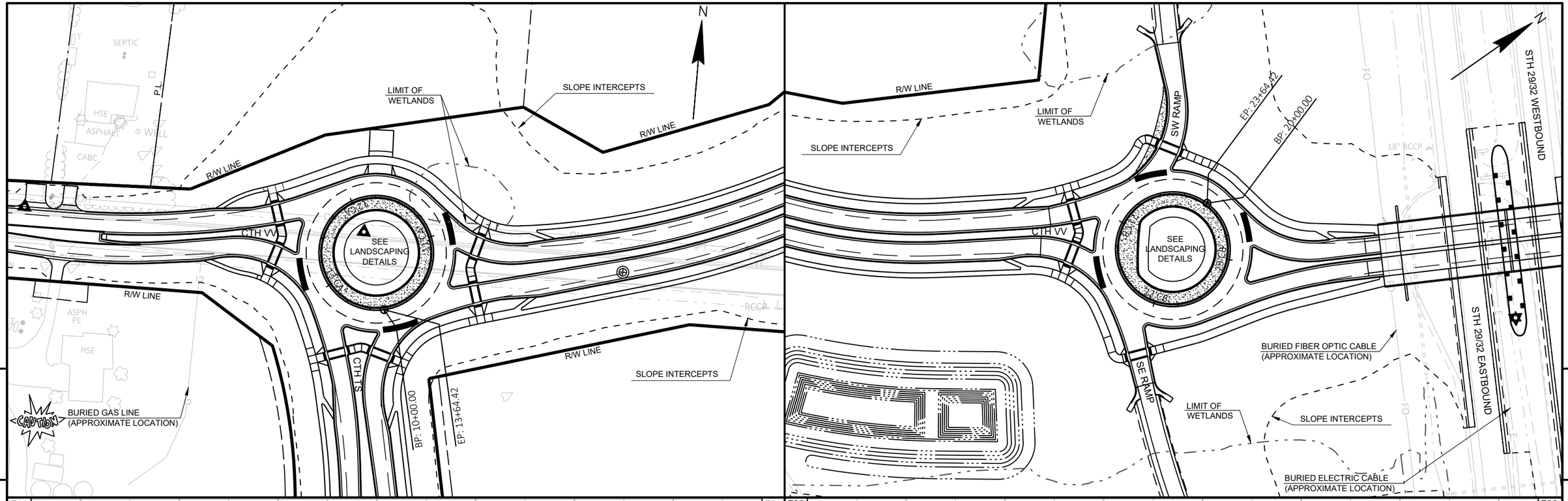
810 800 790 780 770 760 750 740 730

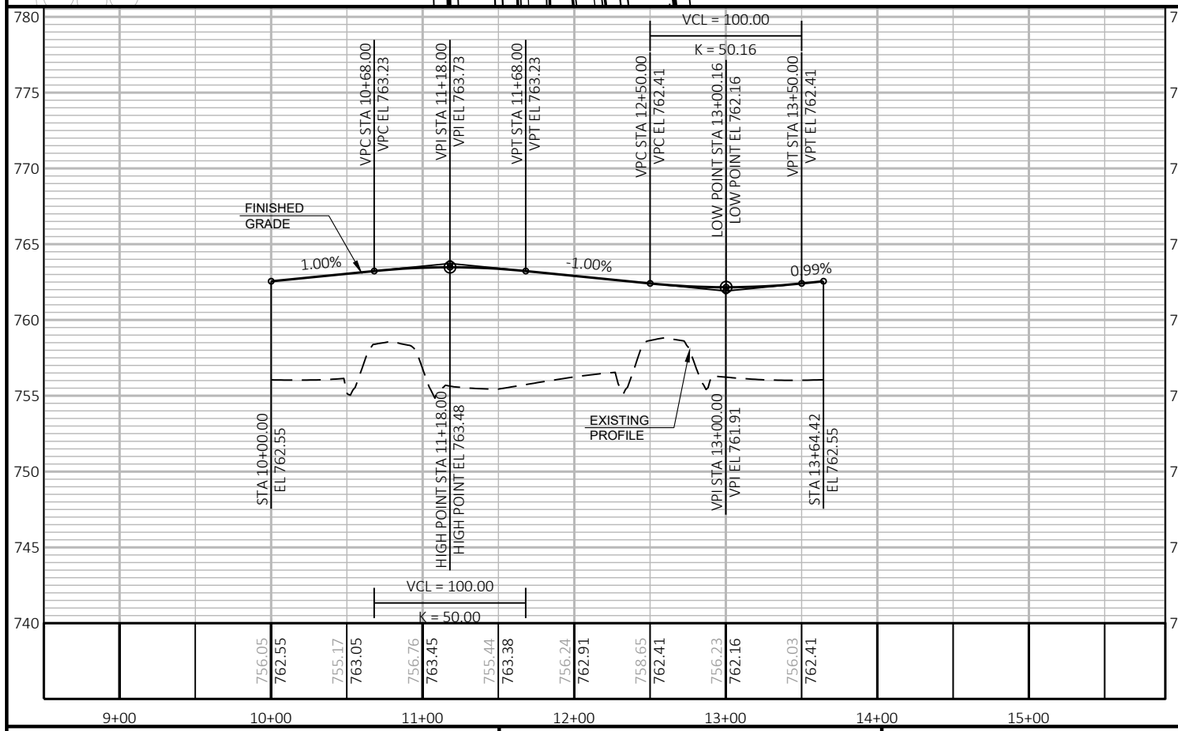
503+00 504+00 505+00 506+00 507+00 508+00 509+00 510+00 511+00 512+00 513+00 514+00 515+00 516+00 517+00 518+00 519+00 520+00 521+00 522+00 523+00 524+00 525+00 526+00 527+00 528+00 529+00 530+00 531+00 532+00 533+00

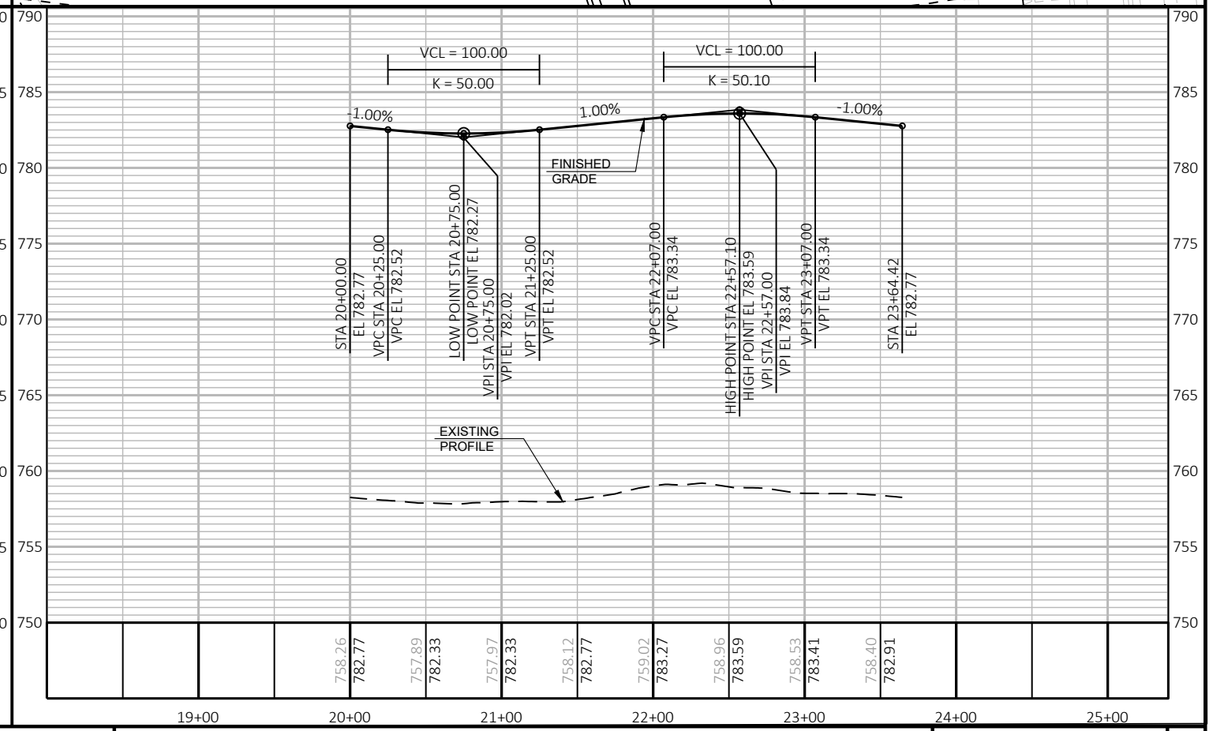
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: RAMP 'D'	SHEET 608	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050108-PPRD.DWG
LAYOUT NAME - 050122 pp

PLOT DATE : 6/30/2020 2:31 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:200 FT





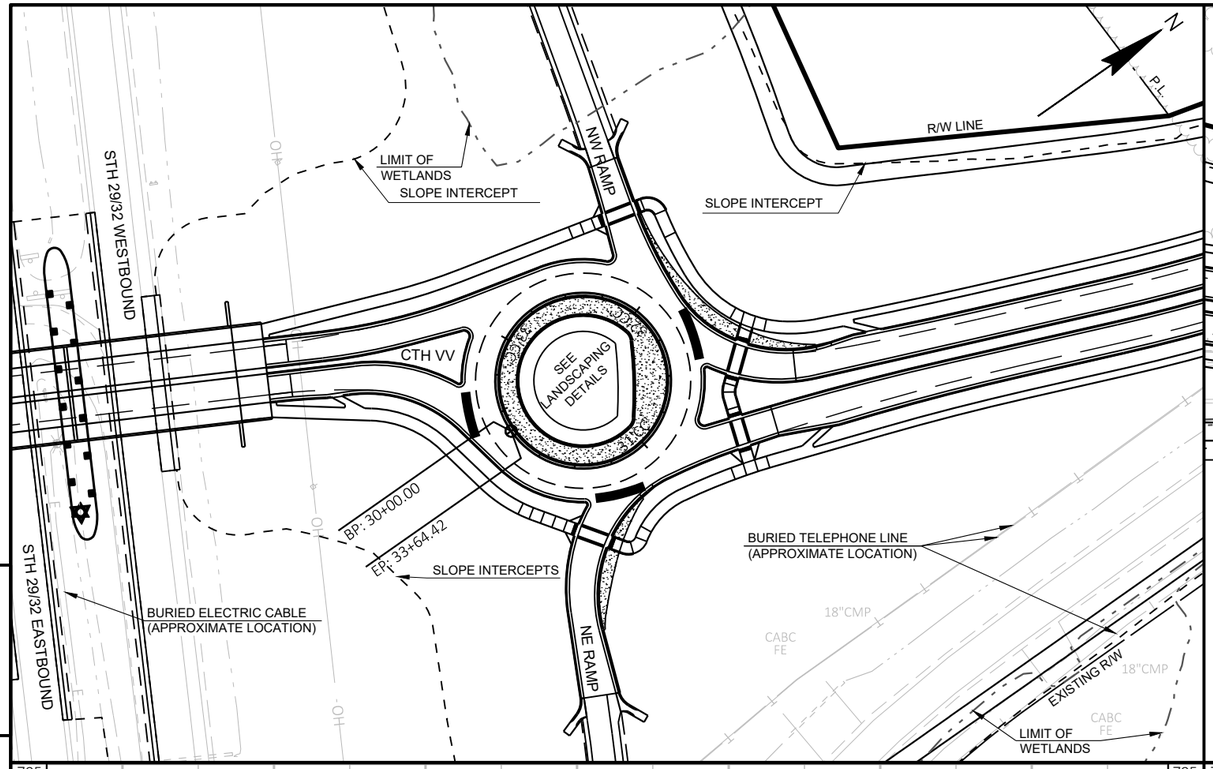


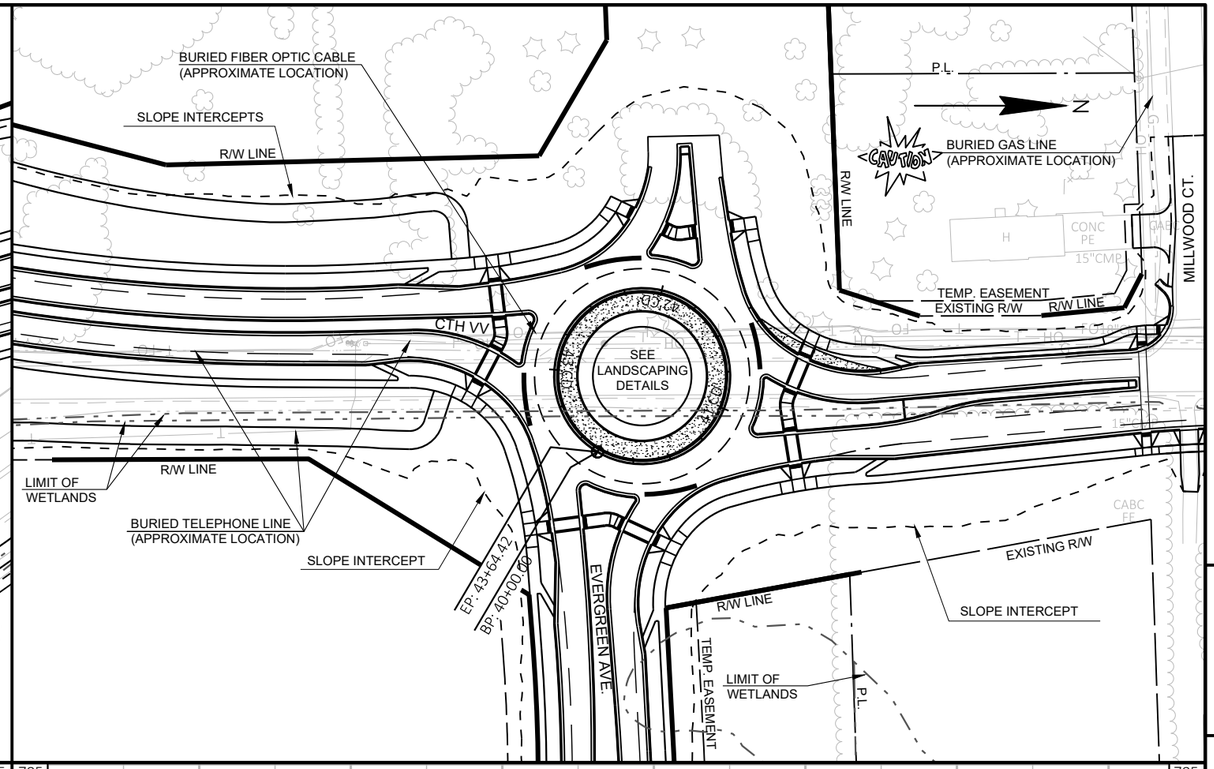
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: CTH TS AND SOUTH RAMPS ROUNDABOUT	SHEET 609 E

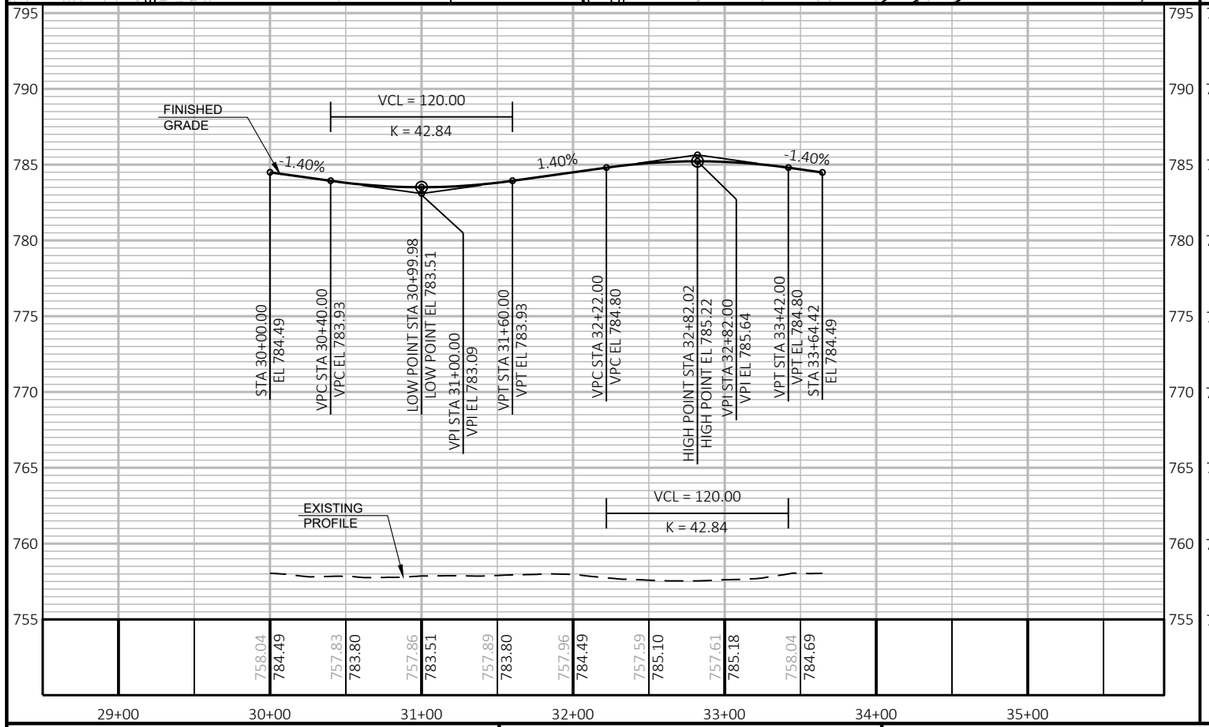
FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050104-PPRAB.DWG
LAYOUT NAME - 050124 pp

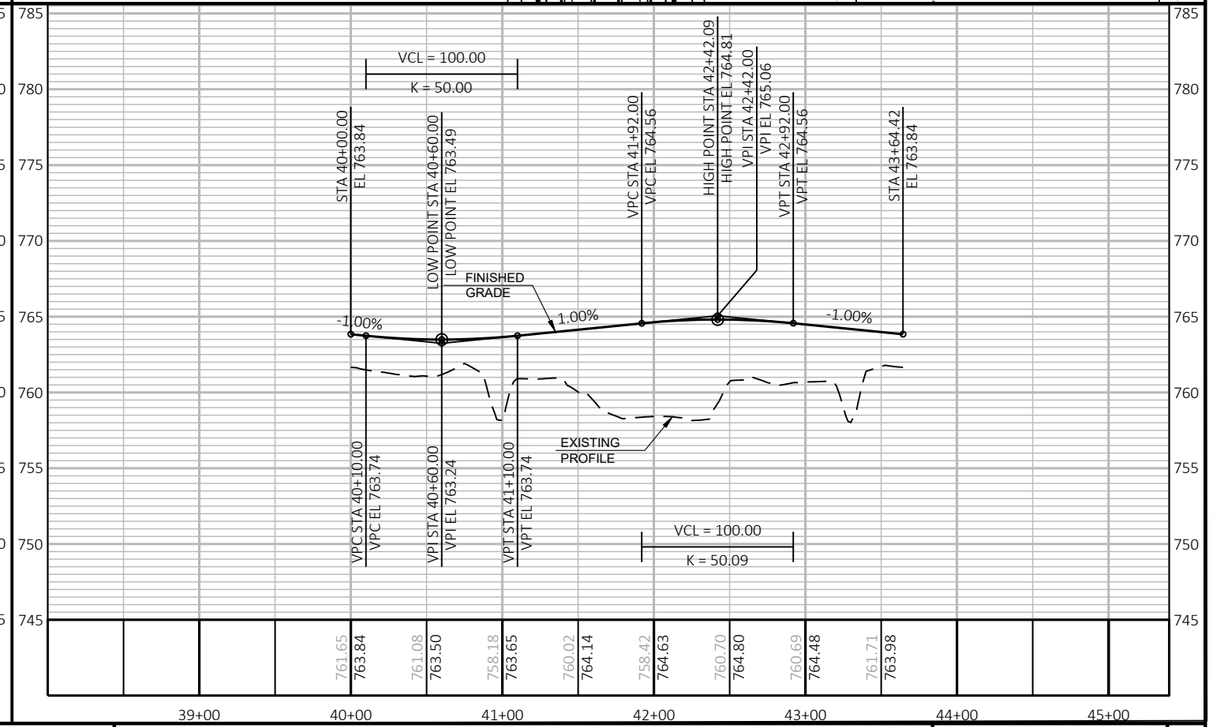
PLOT DATE : 6/30/2020 2:33 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44









PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: NORTH RAMPS AND EVERGREEN AVE. ROUNDABOUTS	SHEET 610	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050104-PPRAB.DWG
LAYOUT NAME - 050125 pp

PLOT DATE : 6/30/2020 2:33 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

MARLEY ST.

EXISTING R/W

R/W LINE

SLOPE INTERCEPTS

EP: 12+61.89

25'

STA. 702+50'CT'
CONSTRUCT FE
1-21"X15" CP REQ'D.

R/W LINE

N

18" RCCP

BP: 10+00.00

GUY

WPS

NET LEC

OH

3'

1'

12'

TEMPORARY CONNECTION RD.
11'TCR'

N35° 55' 24"E

12'TCR'

703'CT'

702'CT'

S43° 05' 45"W

CONNECTION RD.

701'CT'

CONSTRUCTION LIMITS
STA. 10+45'TCR'

63' R.

70M'CT'

CONNECTION RD.

CONSTRUCTION LIMITS
STA. 12+60'TCR'

MILLTOWN RD.

STA. 11+15.95'TCR'-78' RT.
Y = 589296.555
X = 60597.685

SLOPE INTERCEPTS

PC: 702+68.12'CT'

R/W LINE

R/W LINE

LIMIT OF WETLANDS

5

5

766
764
762
760
758
756
754
752

VCL = 100.00
K = 40.00

STA 10+45.00
EL 759.27

STA 12+17.00
EL 758.50

STA 12+60.00
EL 758.38

EXISTING PROFILE

-2.00%

0.50%

-0.30%

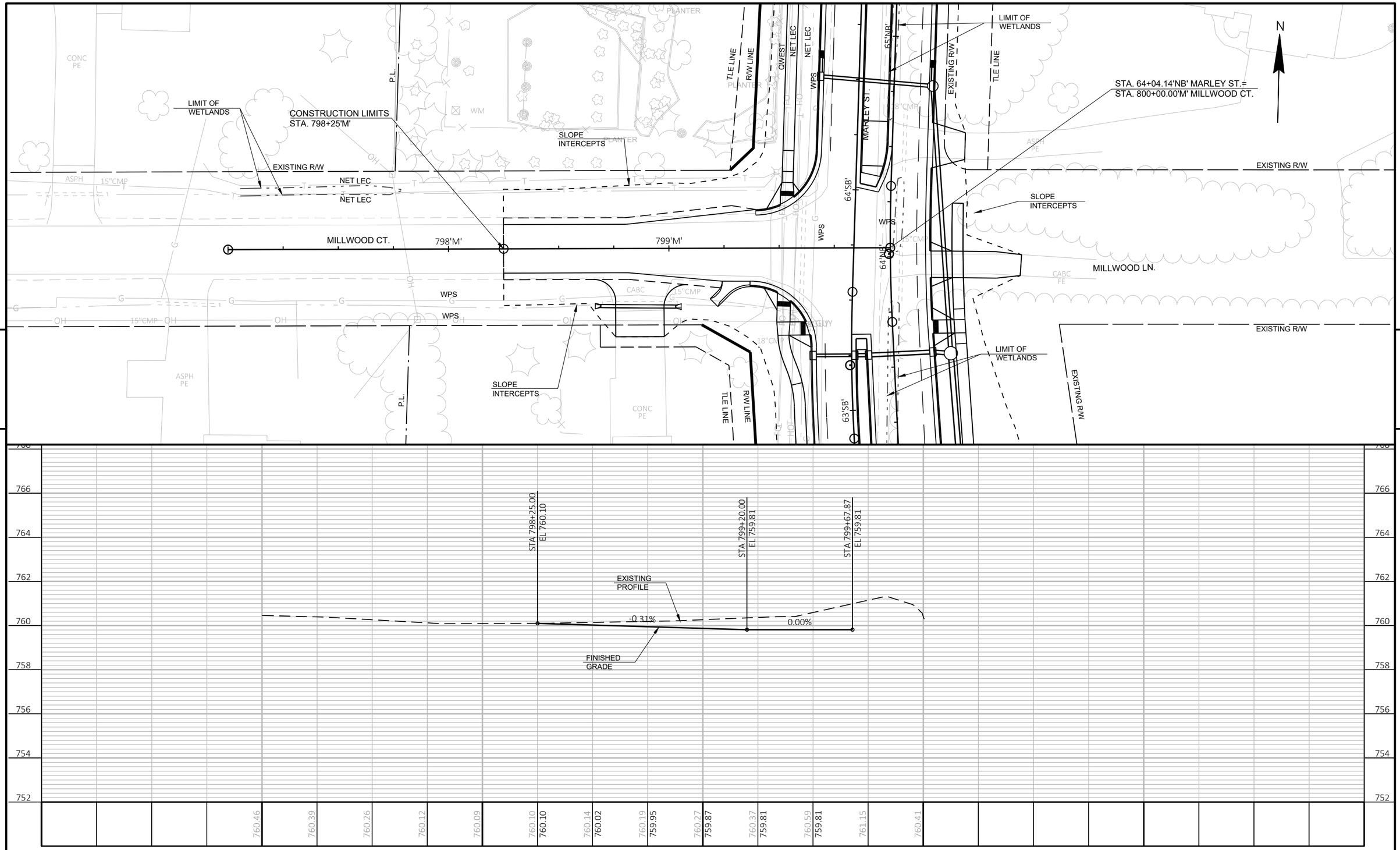
FINISHED GRADE

VPC STA 10+60.00
VPC EL 758.97

VPI STA 11+10.00
VPI EL 757.97

VPT STA 11+60.00
VPT EL 758.22

| | | |



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	PLAN AND PROFILE: PLAN AND PROFILE	SHEET 612	E

FILE NAME : V:\TRANS-GB\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\050113-PPMW.DWG
LAYOUT NAME - PlanProf 1 IN 40 FT

PLOT DATE : 6/30/2020 2:37 PM PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

Standard Detail Drawing List

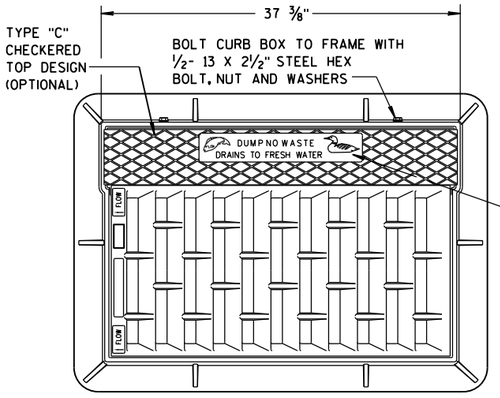
08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-21A	CONCRETE CURB & GUTTER
08D01-21B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
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
08D15-05A	EDGEDRAIN OUTLET AND OUTFALL MARKERS
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
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F06-04	REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN
08F08-02	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED CROSS DRAINS
09B02-10	CONDUIT
09B04-11	PULL BOX
09B16-01	PULL BOX NON-CONDUCTIVE
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C14-03	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D04-03	LIGHTING CONTROL CABINET 120/240 VOLT
09E01-15D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09H11-01	IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS
11B02-02	CONCRETE MEDIAN NOSE
12A03-10	NAME PLATE (STRUCTURES)
13A05-05A	SHOULDER RUMBLE STRIP, MILLING
13A05-05B	SHOULDER RUMBLE STRIP, MILLING
13B02-09A	CONCRETE PAVEMENT APPROACH SLAB
13B02-09B	STRUCTURAL APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB
13C13-09	URBAN DOWELED CONCRETE PAVEMENT
13C15-06A	CONCRETE BASE
13C15-06B	CONCRETE BASE
13C17-01A	CONCRETE JOINT DETAIL FOR EXIT RAMP TERMINI
13C17-01B	CONCRETE JOINT DETAIL FOR ENTRANCE RAMP TERMINI
13C18-07A	CONCRETE PAVEMENT JOINTING
13C18-07B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-07C	CONCRETE PAVEMENT JOINT TYPES
13C18-07D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
13C18-07E	CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS
13C18-07F	CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER
13C18-07G	CONCRETE PAVEMENT JOINTING ACCELERATION/DECELERATION LANE
13C19-02	HMA LONGITUDINAL JOINTS
14A02-01	TREE PLANTING DETAIL
14B07-15A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

6

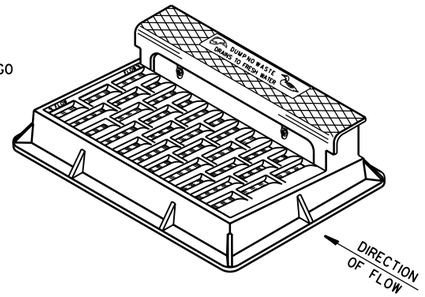
Standard Detail Drawing List

14B07-15H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15I	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B08-02A	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02B	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02C	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02D	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02E	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B26-03A	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-03B	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-03C	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-03D	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-03E	STEEL THRIE BEAM BULLNOSE TERMINAL
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15A04-05B	DELINEATOR BRACKET WITH REFLECTIVE SHEETING
15A04-05C	DELINEATOR POST WITH REFLECTIVE SHEETING
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15D	ROUNDABOUT ARROWS
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C27-03B	PAVEMENT MARKING (ISLANDS)
15C31-03A	PAVEMENT MARKING (RAMPS AND GORES)
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D12-08B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
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
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
16A01-07	LANDMARK REFERENCE MONUMENTS AND COVERS

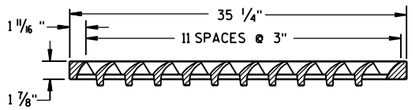
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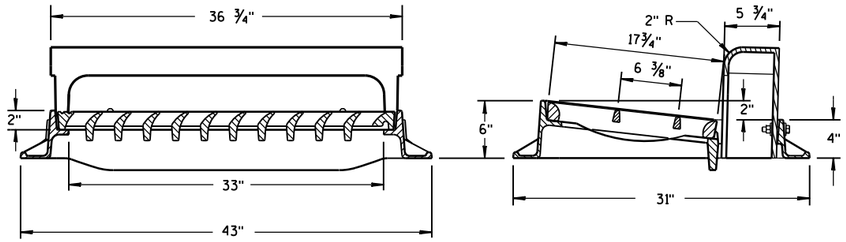


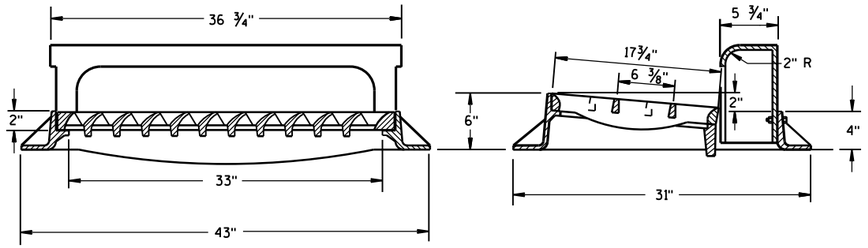
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

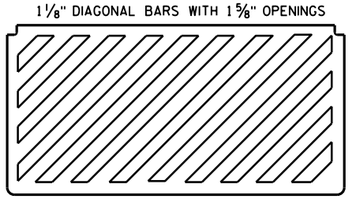






TYPE "H"

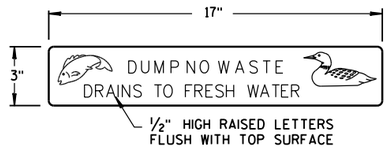
NOTE: EITHER CASTING IS ACCEPTABLE



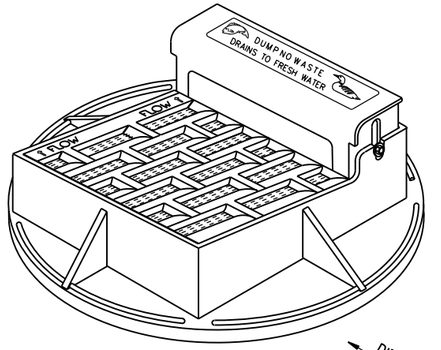
SPECIAL GRATE FOR TYPE "H" COVER

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

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

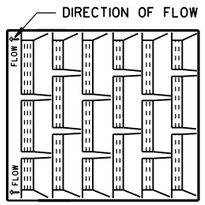
NOTE:
GRATE IS REVERSIBLE.

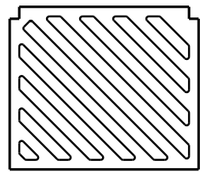
GENERAL NOTES

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

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

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

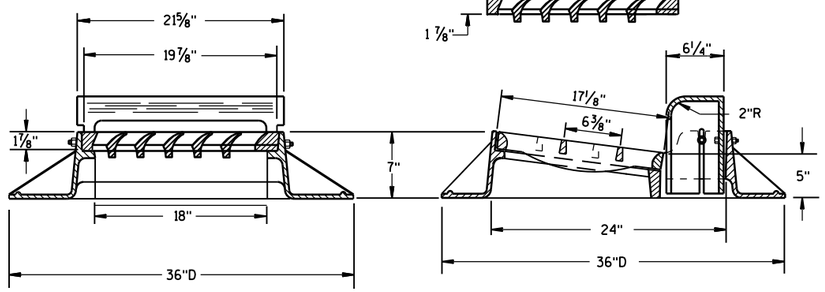




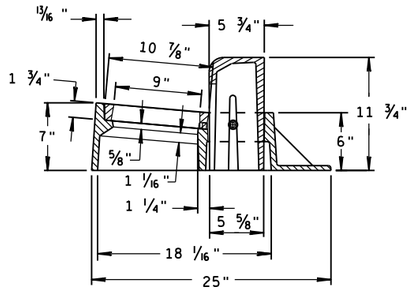
SPECIAL GRATE FOR TYPE "A" COVER

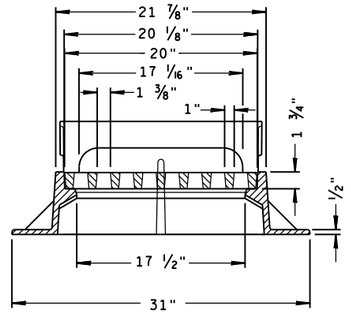
(MEASURES 19 3/4" X 17" X 1 7/8")

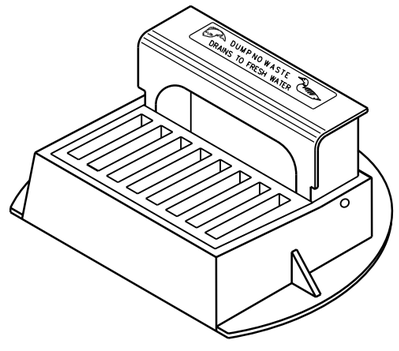
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

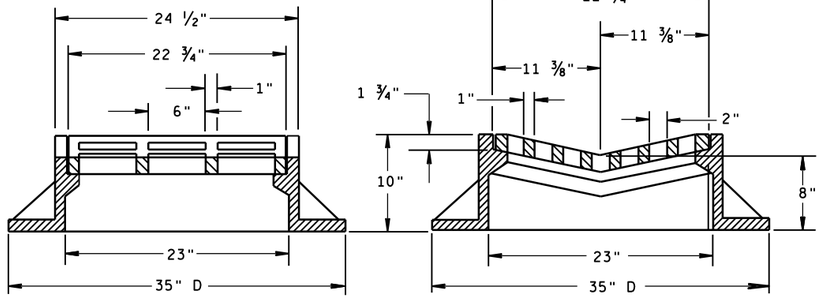
INLET COVERS
TYPE A, H, A-S, H-S & Z

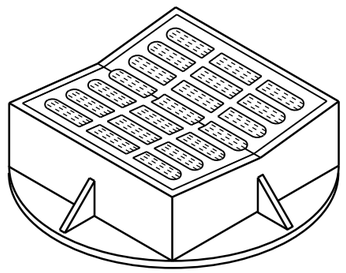
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

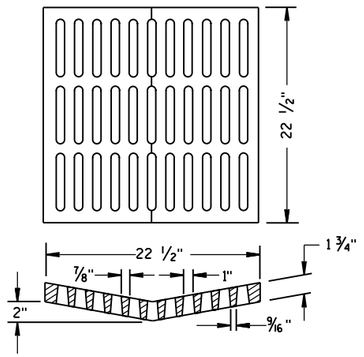
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S.D.D. 8 A 5-19a



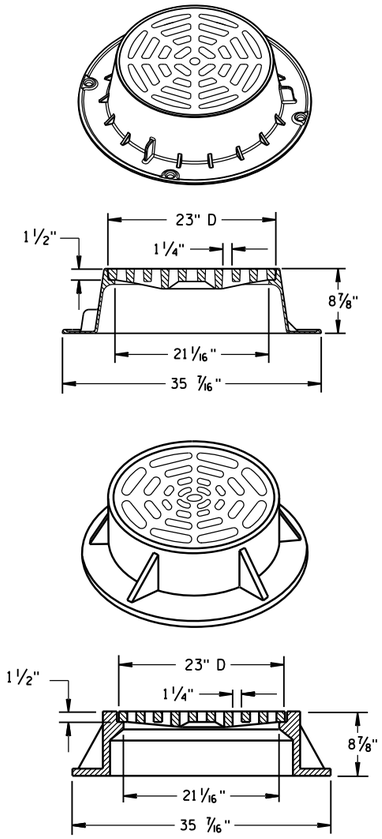


TYPE "B"



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"

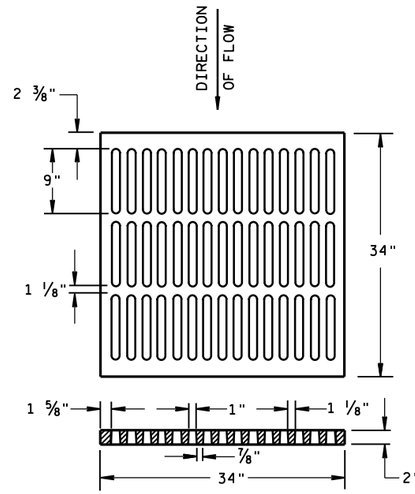
NOTE: EITHER CASTING IS ACCEPTABLE

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.

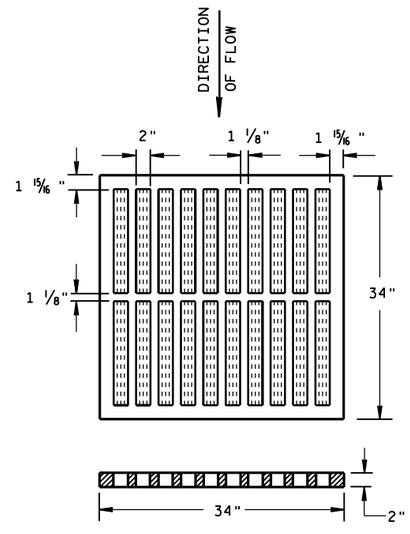
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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



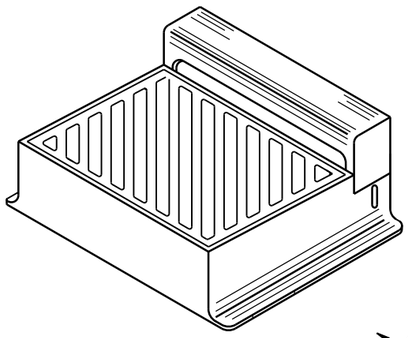
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

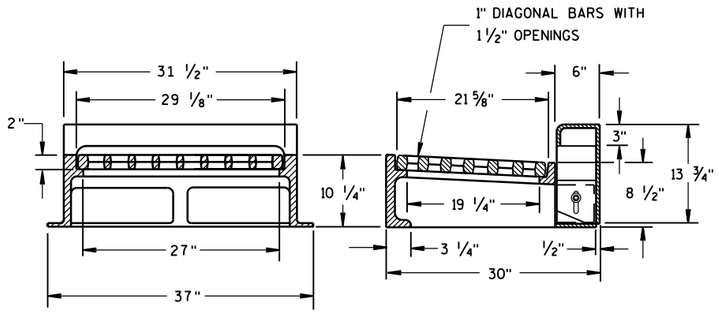


TYPE "MS"

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"

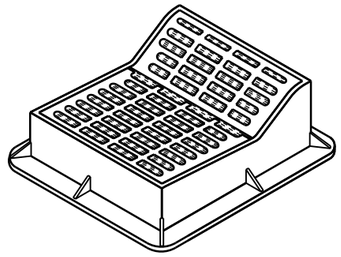
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

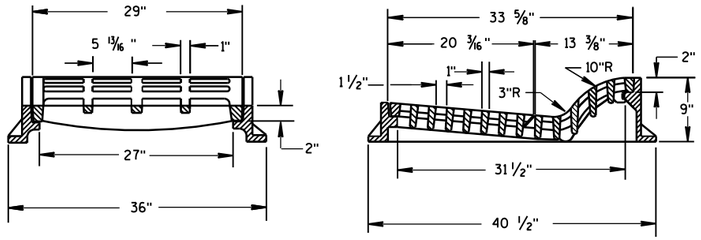
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

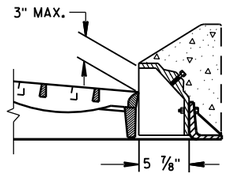
S.D.D. 8 A 5-19b





TYPE "F"

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



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

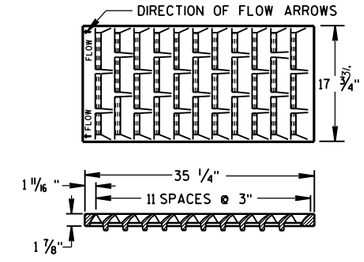
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

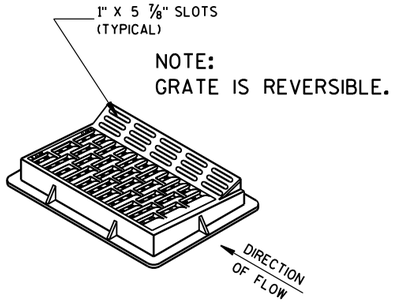
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

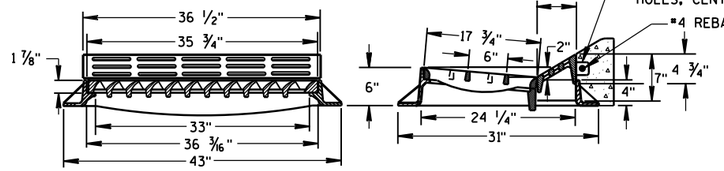
GENERAL NOTES

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.



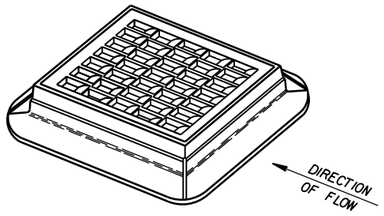


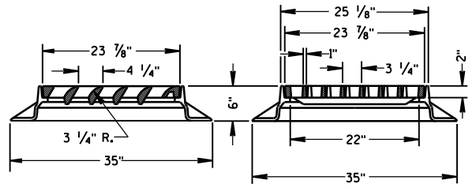


TYPE "HM"

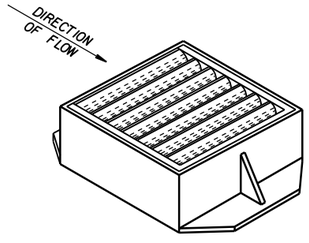
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

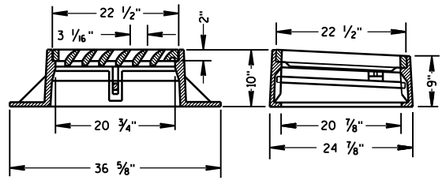
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



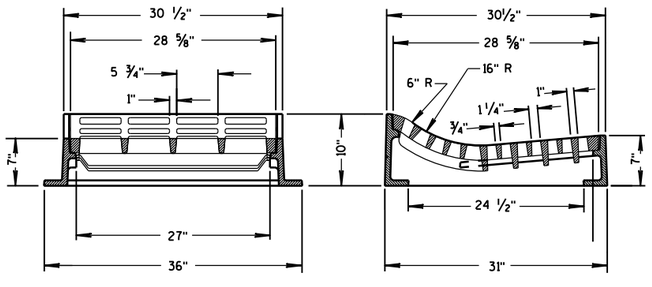


TYPE "S"



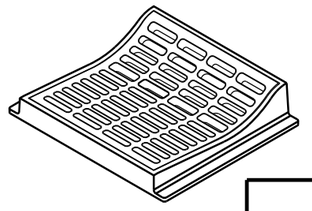


TYPE "V"



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

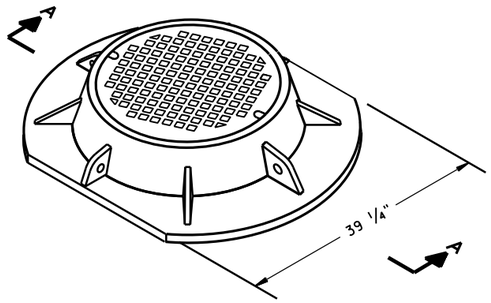
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

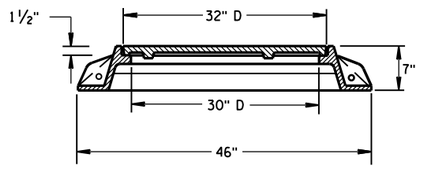
617

FHWA

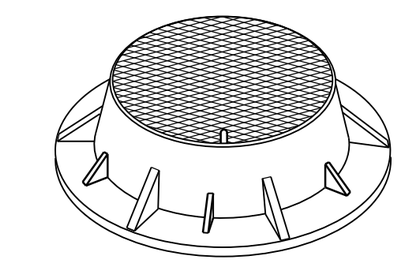
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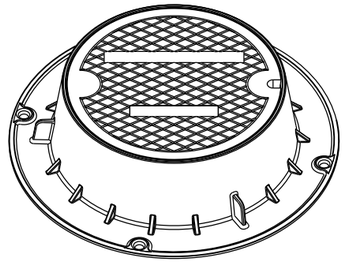
S.D.D. 8 A 5-19c

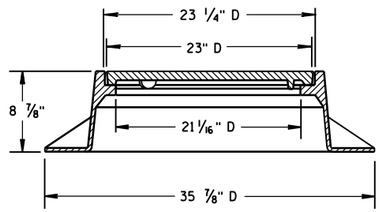


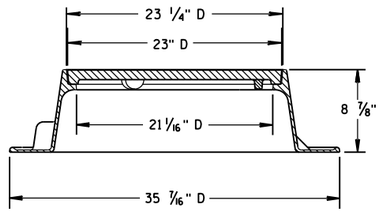


SECTION A-A
TYPE "K"









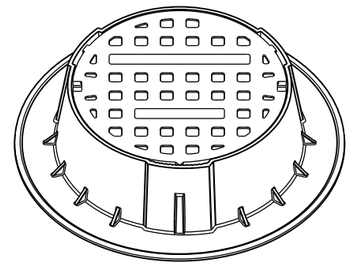
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

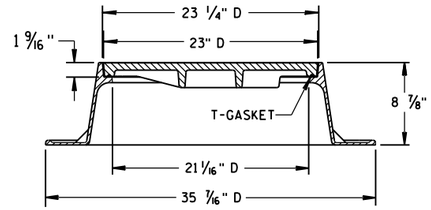
GENERAL NOTES

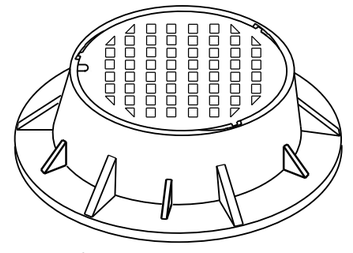
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

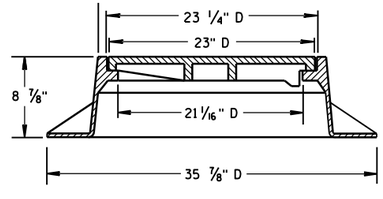
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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

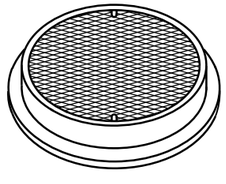


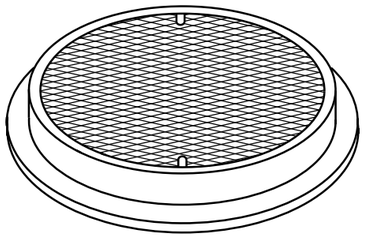


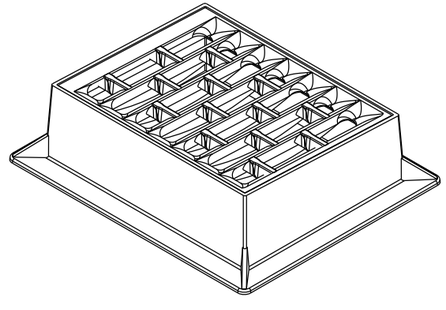


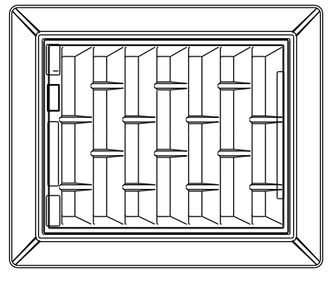


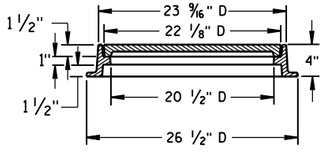
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



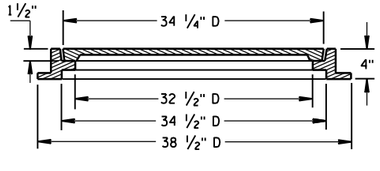




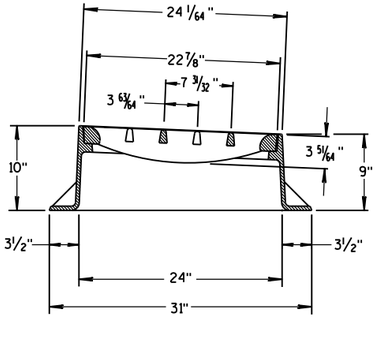


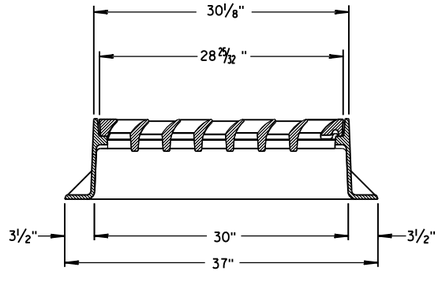


TYPE "L"



TYPE "M"





INLET COVER TYPE "BW"

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

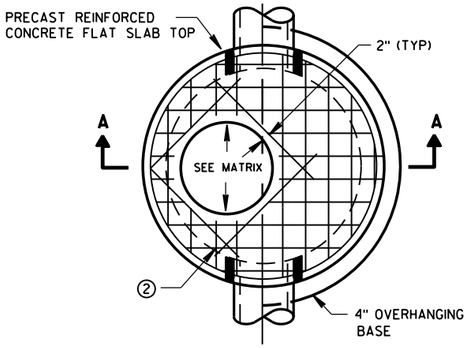
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

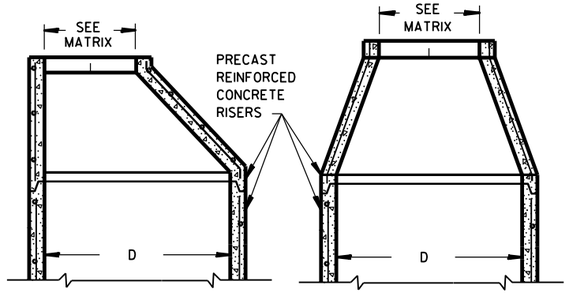
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

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

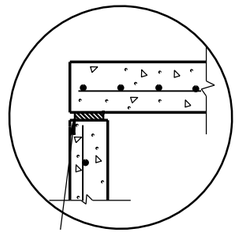


PLAN VIEW CIRCULAR OPENING

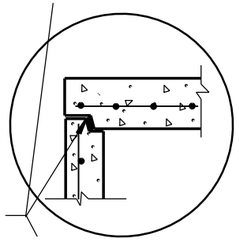


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

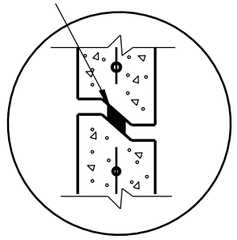


TOP WITH PLAIN END JOINT



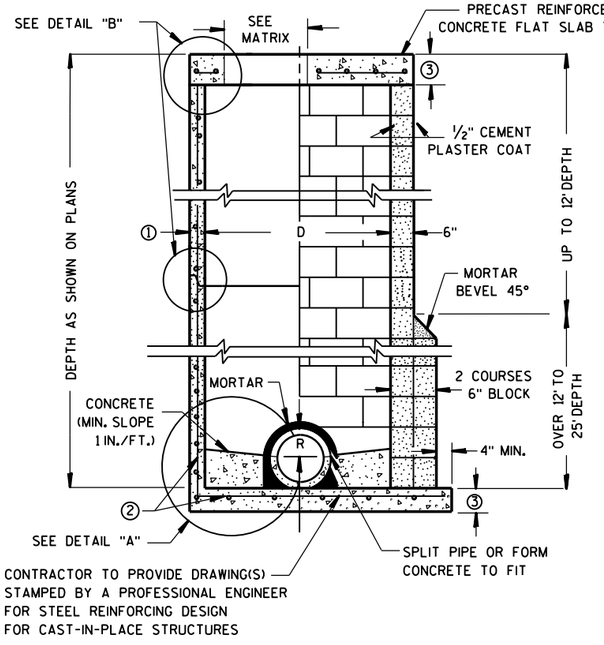
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



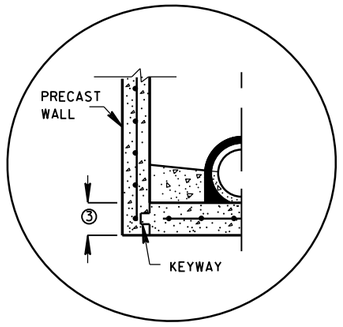
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

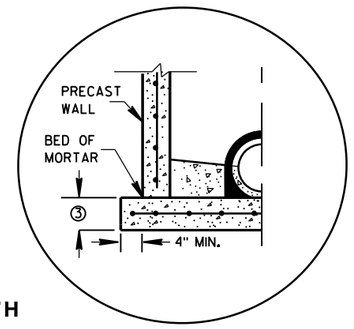


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

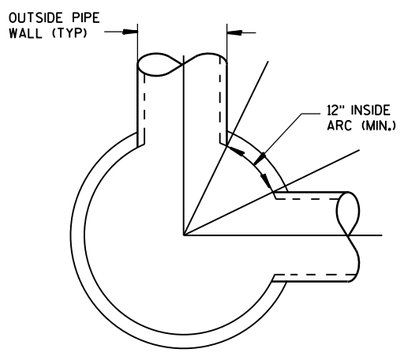


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

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

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

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

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

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

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

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

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

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

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

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

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

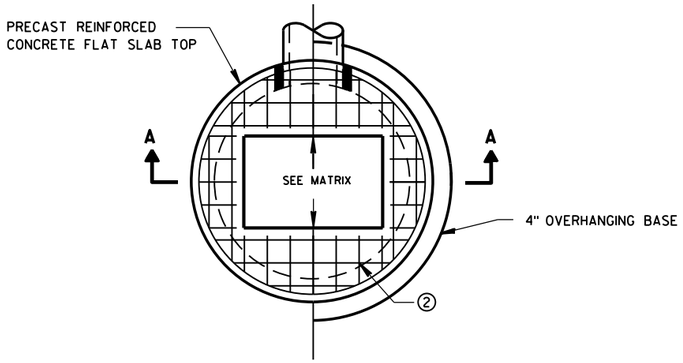
APPROVED

Sept., 2016
DATE

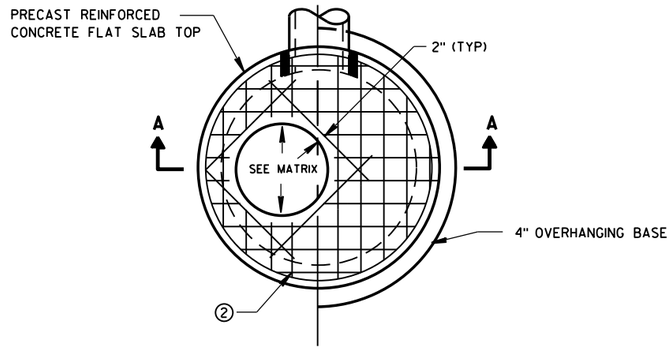
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

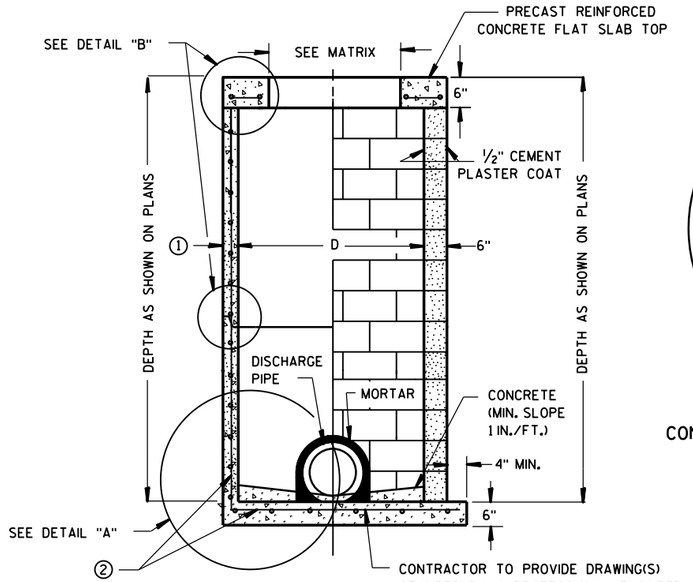
6
S.D.D. 8 B 9-2



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

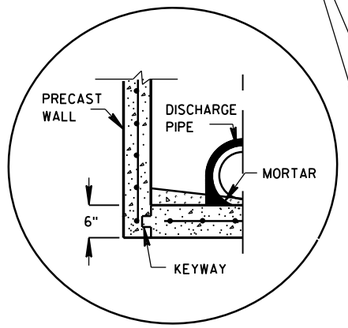


SECTION A-A

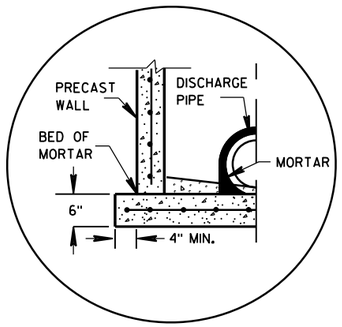
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

CIRCULAR INLETS W/ FLAT TOP

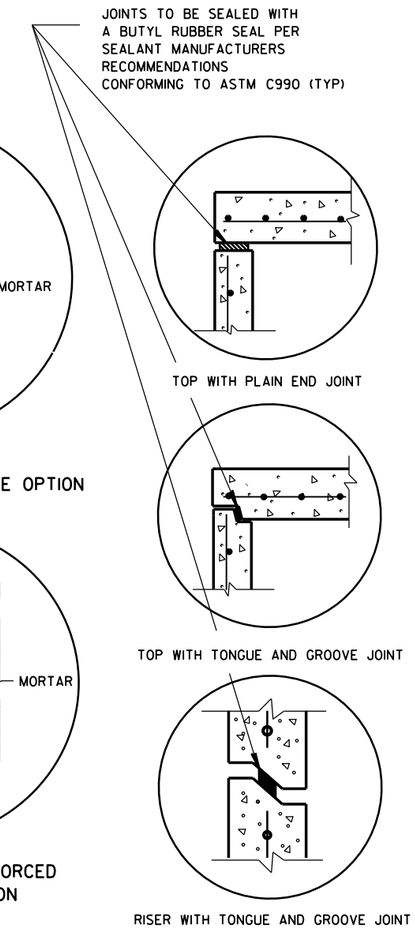


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



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.

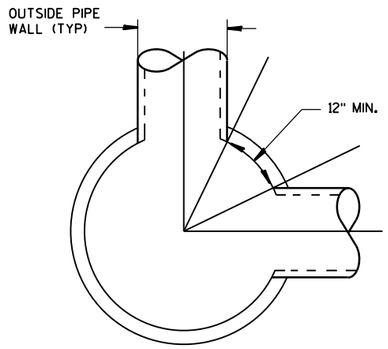
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

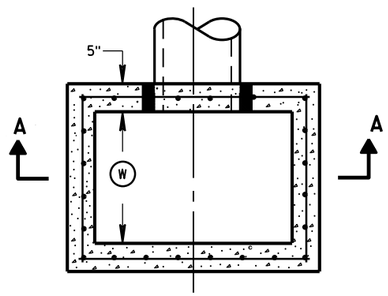
APPROVED
Sept., 2016 — /S/ Rodney Taylor
DATE — ROADWAY STANDARDS | UNIT SUPERVI ENT
FHWA

6

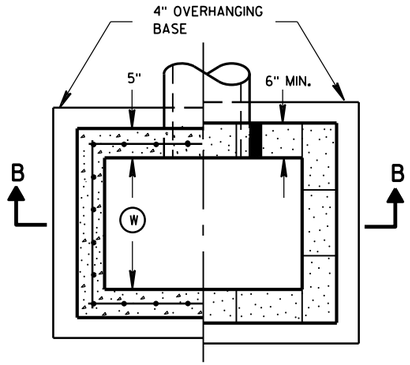
S.D.D. 8 C 6-2

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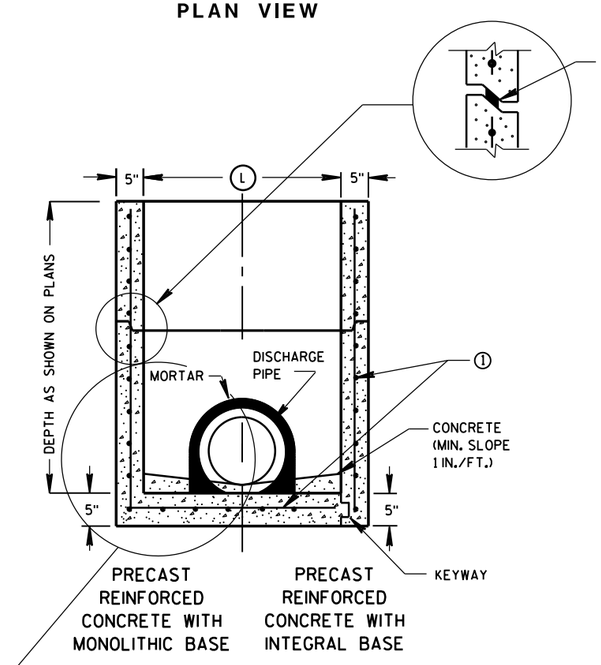
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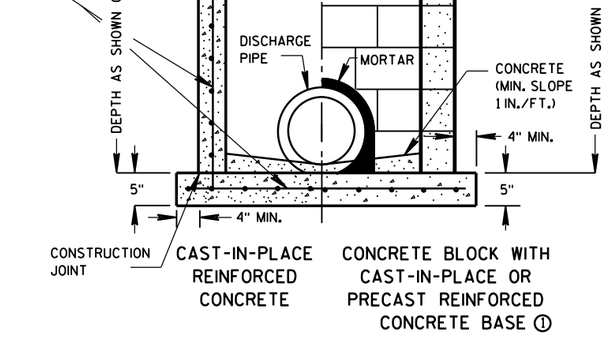
PLAN VIEW



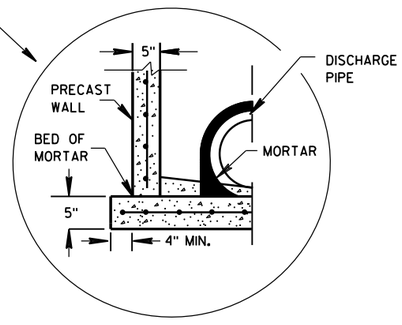
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

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

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

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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

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

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

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

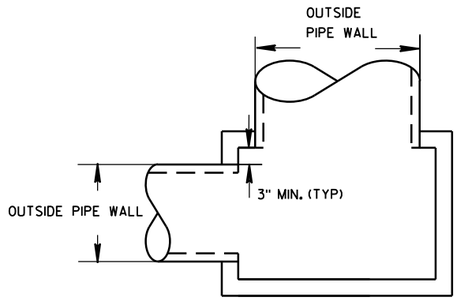
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

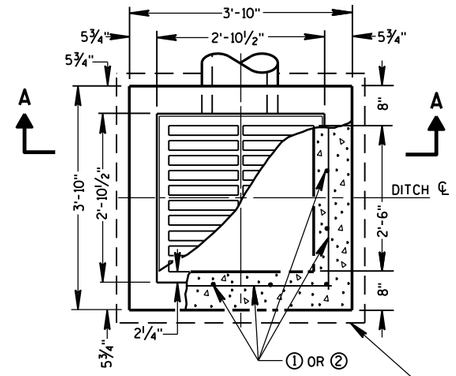
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT UNIT SUPERVIS
FHWA

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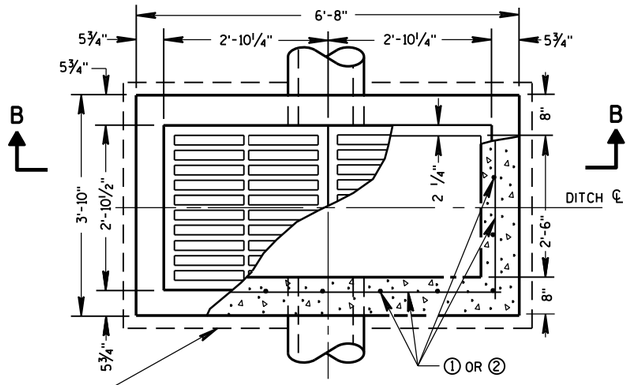
S.D.D. 8 C 7-2

6

S.D.D. 8 C 7-2

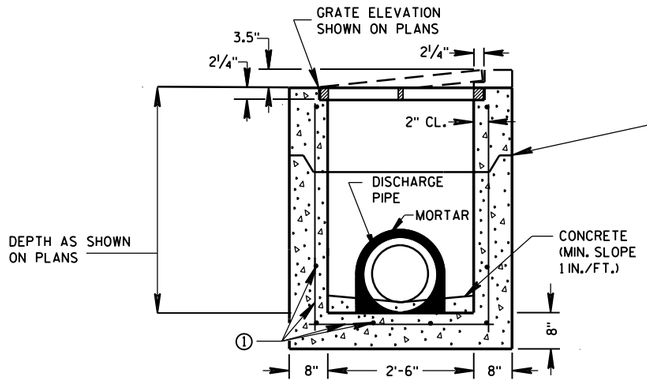


PLAN VIEW

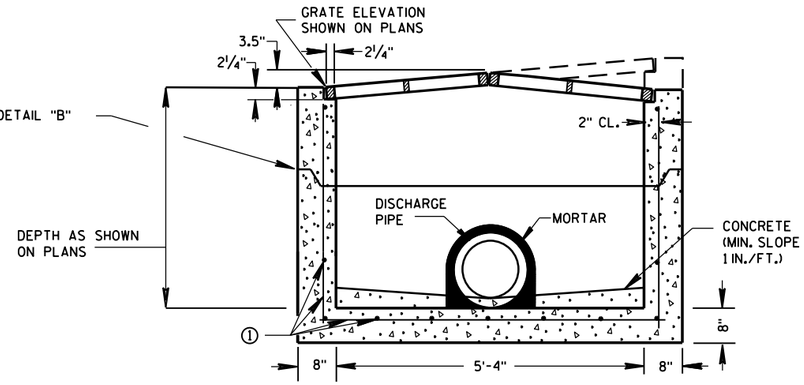


PLAN VIEW

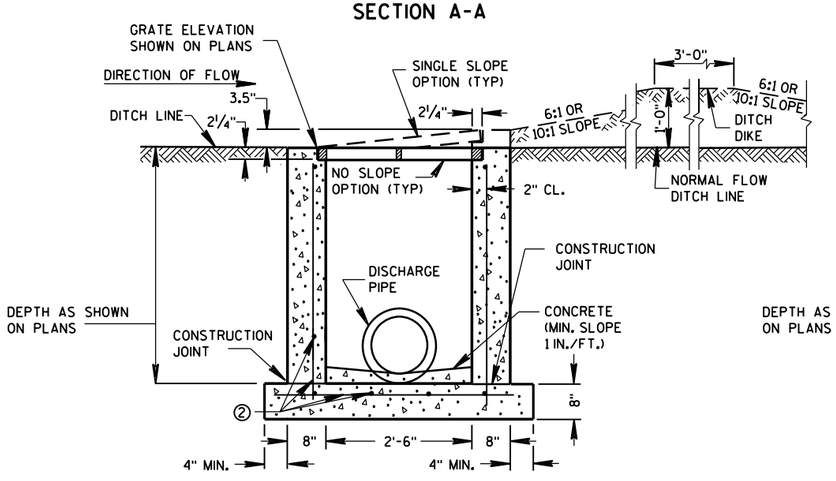
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



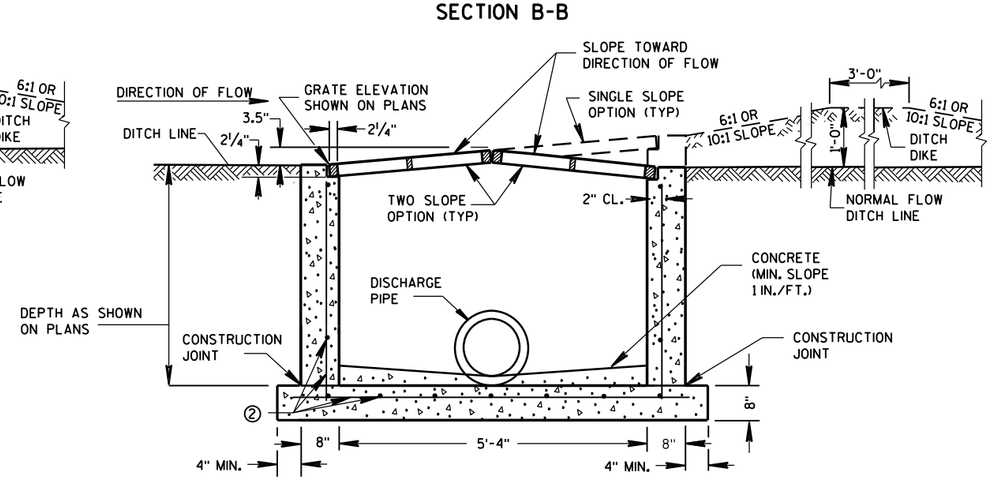
PRECAST REINFORCED CONCRETE SECTION A-A



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.

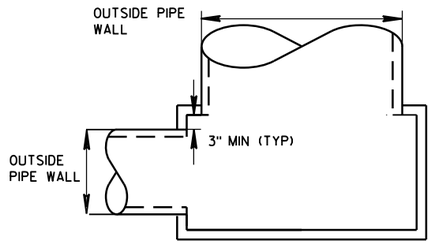
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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.

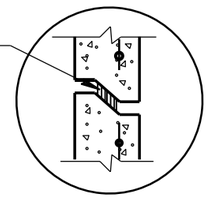
PIPE MATRIX

	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
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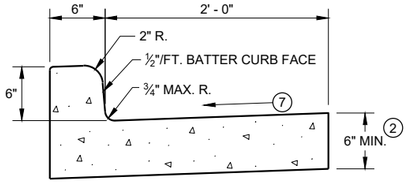
APPROVED
Sept., 2016 — DATE
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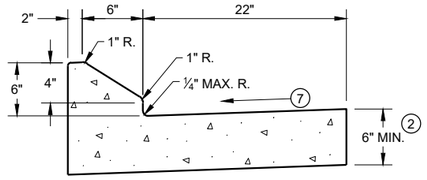
S.D.D. 8 C 8-2

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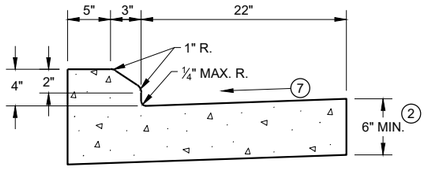
S.D.D. 8 C 8-2



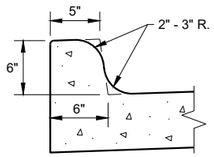
TYPES A[1] & D



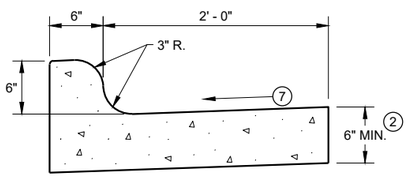
6" SLOPED CURB TYPES G[1] & J



4" SLOPED CURB TYPES G[1] & J

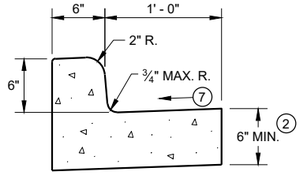


TYPES K[1] & L
(OPTIONAL CURB SHAPE)



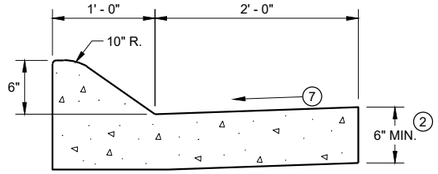
TYPES K[1] & L

CONCRETE CURB AND GUTTER 30"

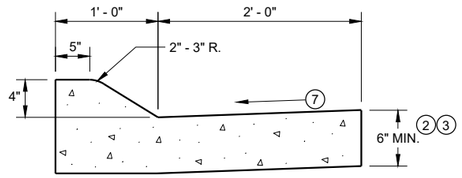


TYPES A[1] & D

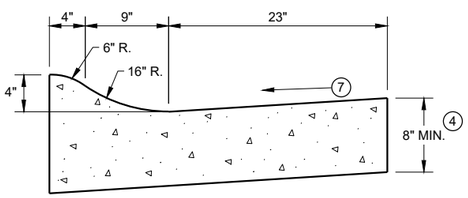
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A[1] & D



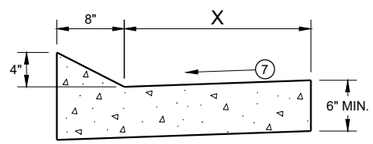
4" SLOPED CURB TYPES A[1] & D



4" SLOPED CURB TYPES R[1] & T[5]

CONCRETE CURB AND GUTTER 36"

TBT & TBTT	X
30"	22"
36"	28"

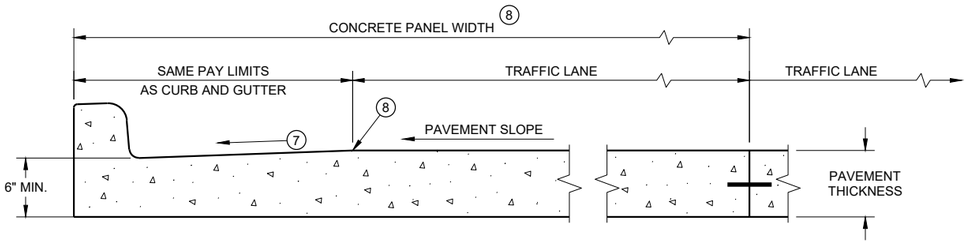


TYPES TBT & TBTT[1]

CONCRETE CURB AND GUTTER

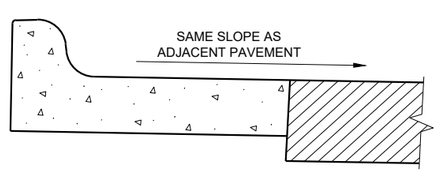
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER[6]
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

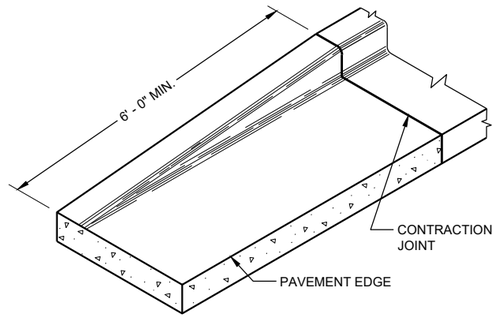
1. TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.
2. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
3. USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.
4. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.
5. 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.

CONCRETE CURB AND GUTTER

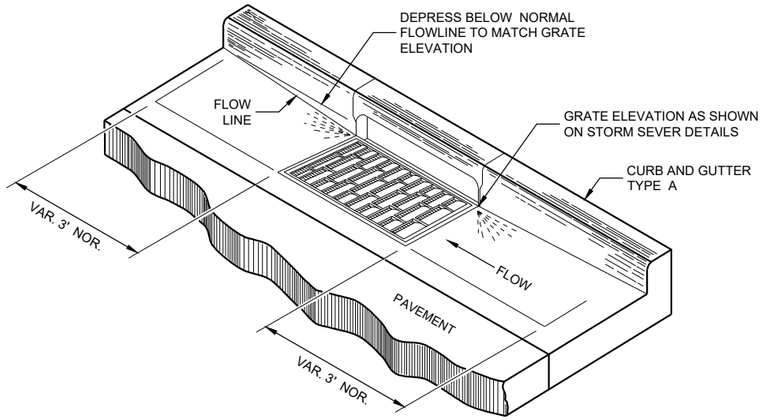
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D01 - 21a



END SECTIONCURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS
(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

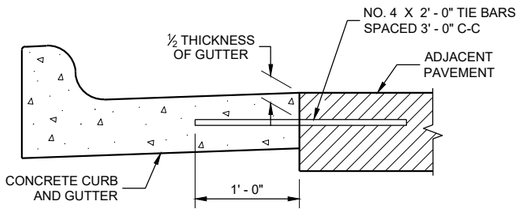
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

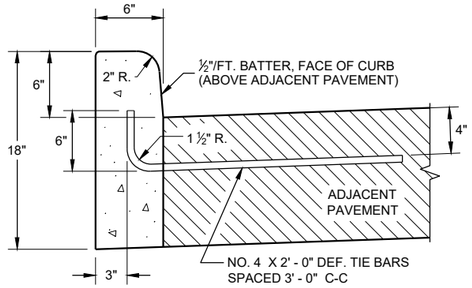
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

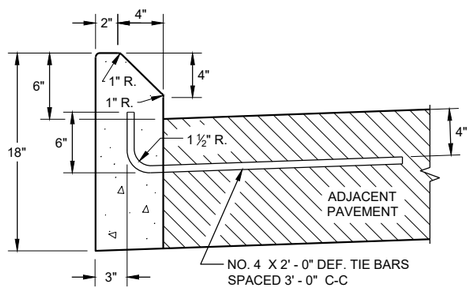
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

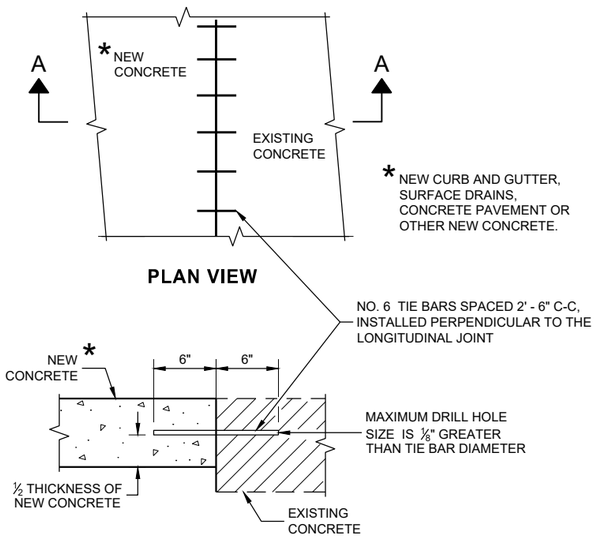


TYPES A (1) & D



TYPES G (1) & J

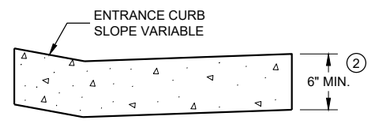
CONCRETE CURB



PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



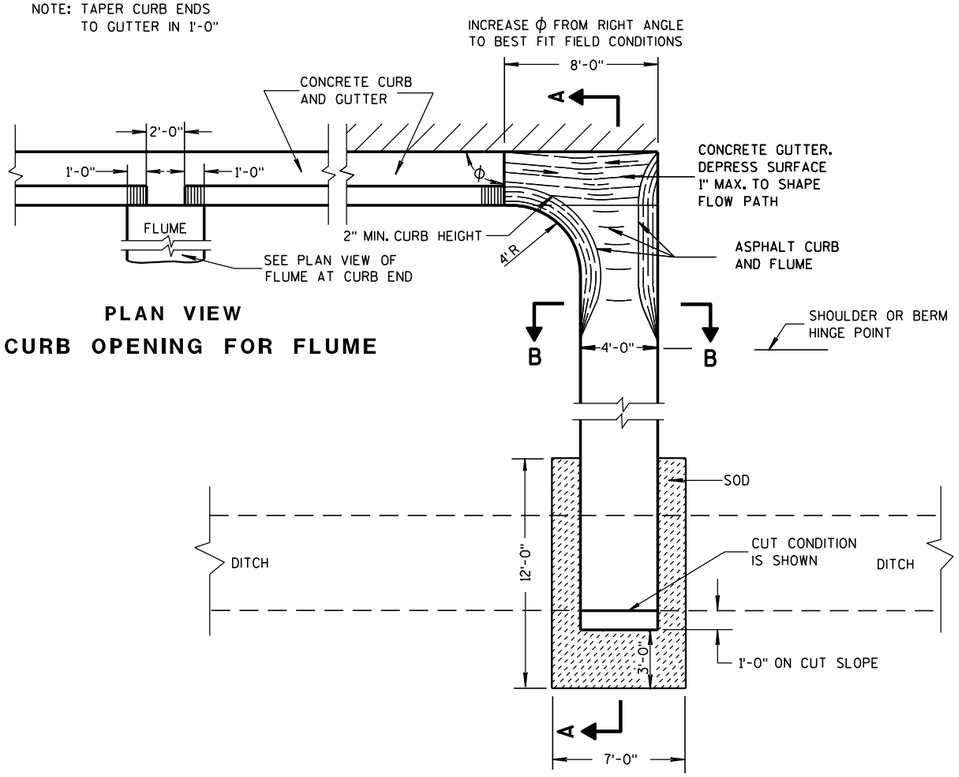
DRIVEWAY ENTRANCE CURB (9)
(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

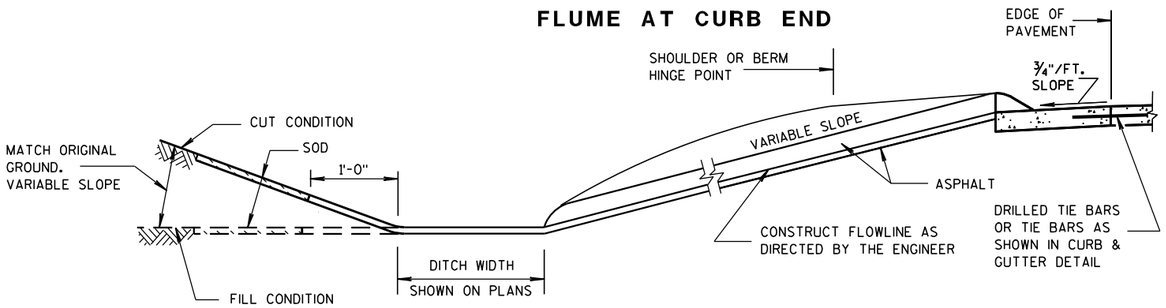
APPROVED
February 2020 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
624
FHWA

ASPHALTIC FLUME

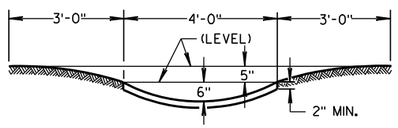


PLAN VIEW
CURB OPENING FOR FLUME

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.

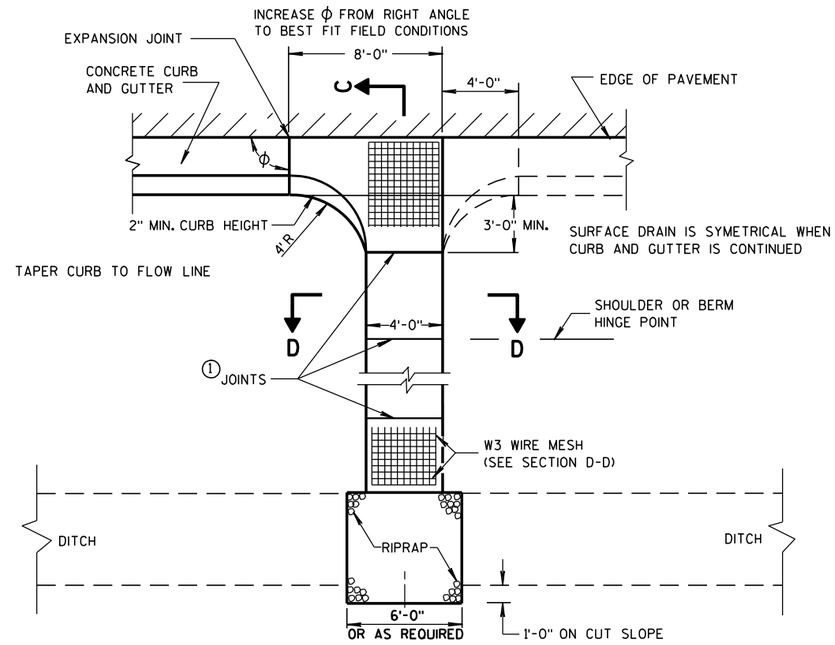
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

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.

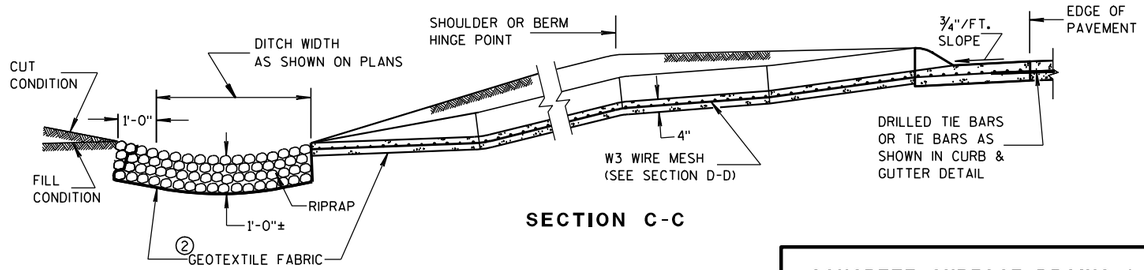
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

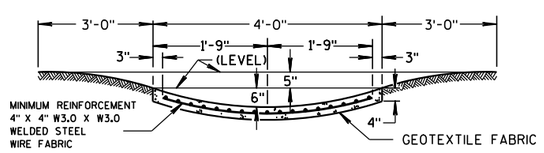
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

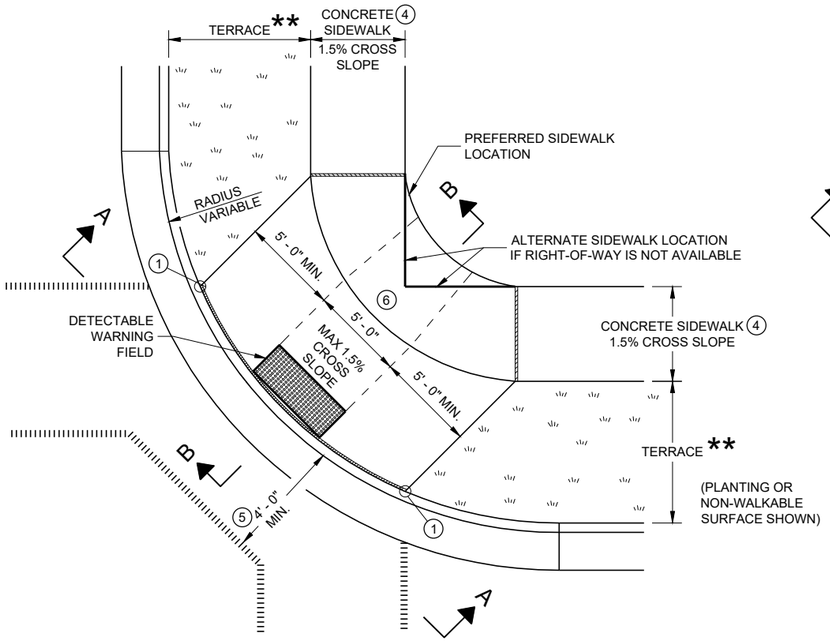
APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
625 MENT
FHWA

6

S.D.D. 8 D 4-5

6

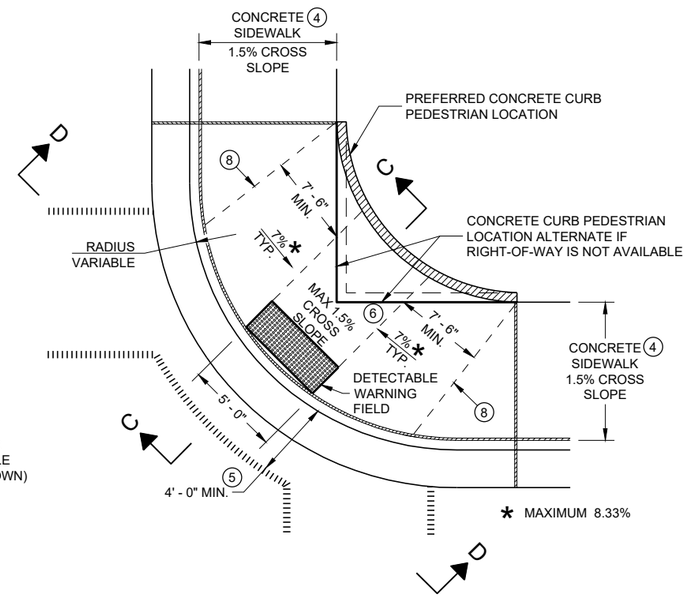
S.D.D. 8 D 4-5



PLAN VIEW

CURB RAMP TYPE 1

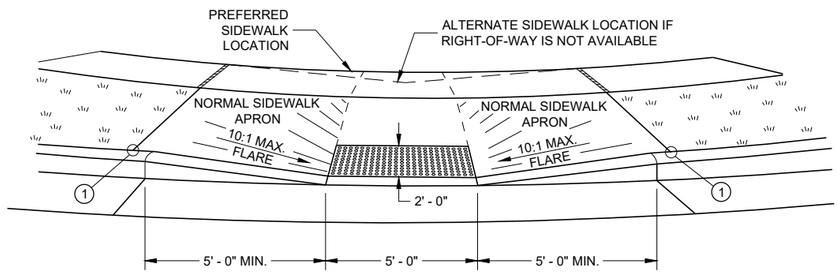
(CENTER OF CORNER RADIUS)



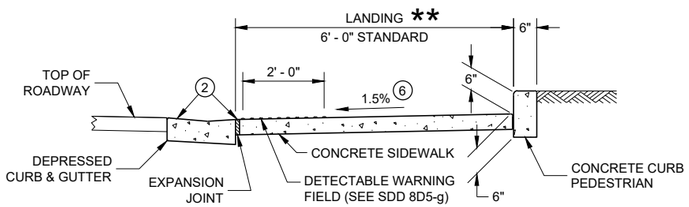
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

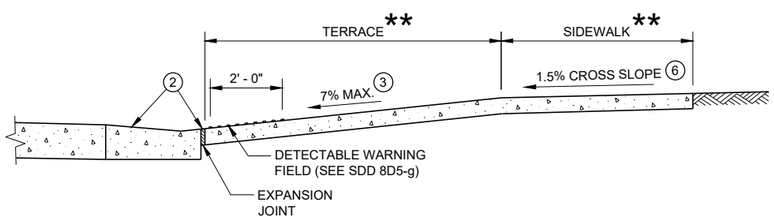


VIEW A - A FOR TYPE 1

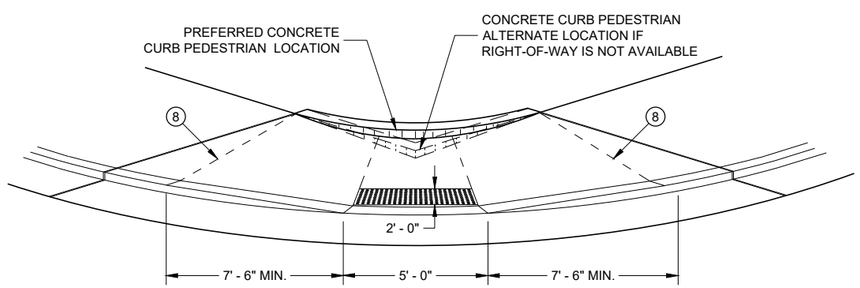


SECTION C - C FOR TYPE 1 - A

** 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

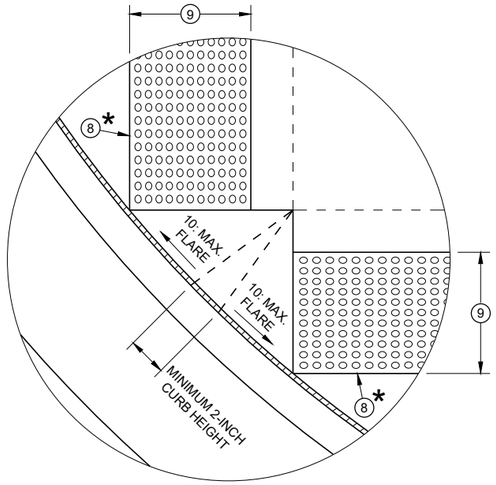
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 1 AND 1-A

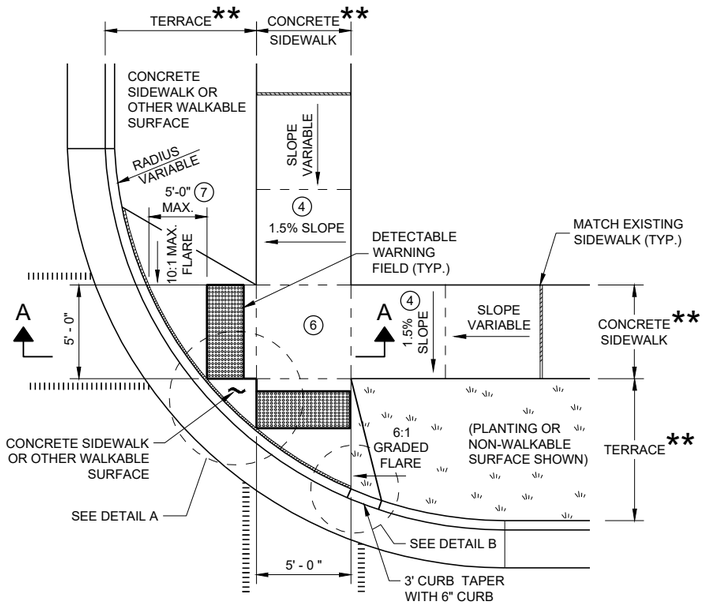
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 08D05 - 20a



DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)

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.

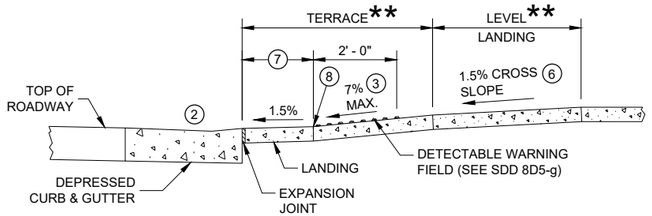
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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.

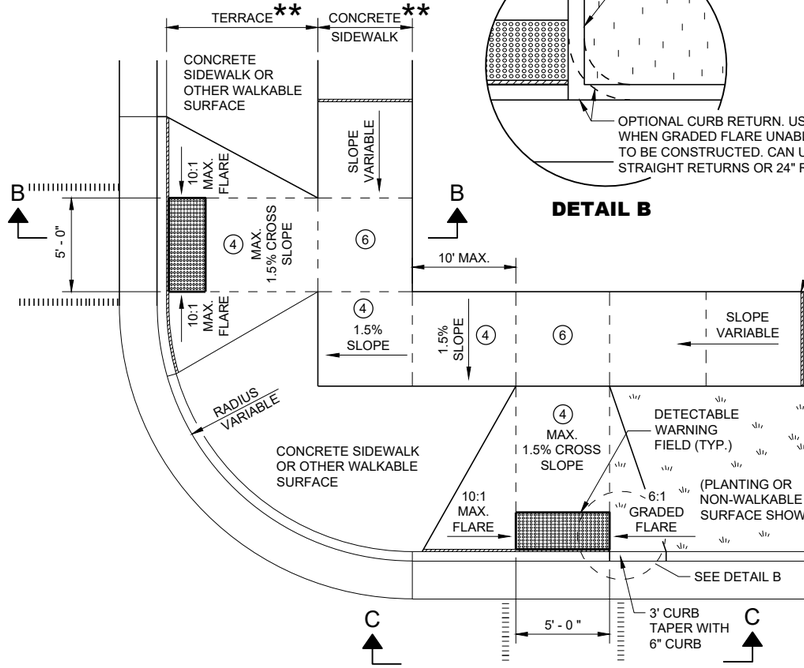
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



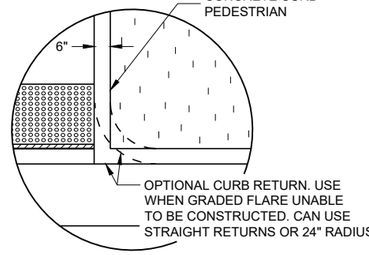
SECTION A - A FOR TYPE 2

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

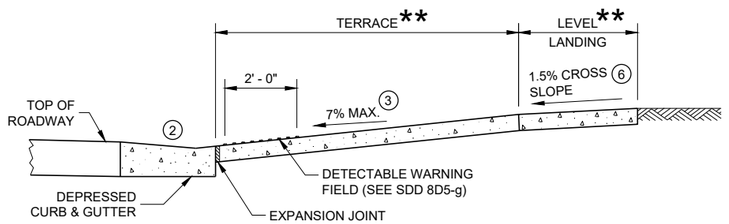
** WIDTH SHOWN ELSEWHERE IN THE PLANS



PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



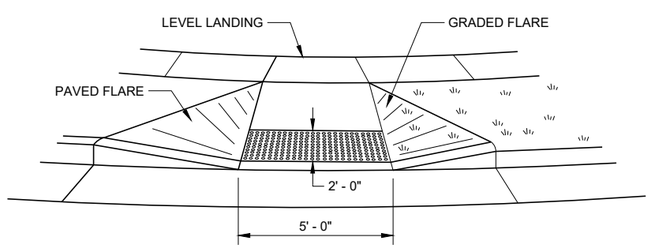
DETAIL B



SECTION B - B FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



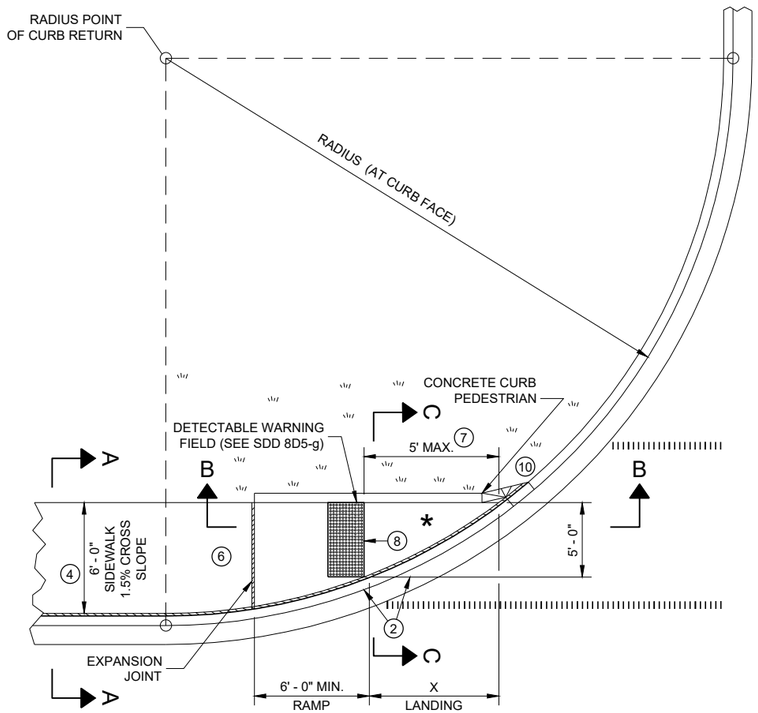
VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 08D05 - 20b

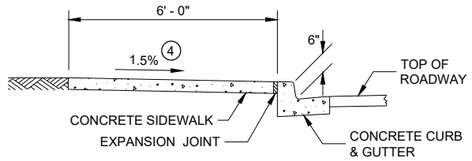


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

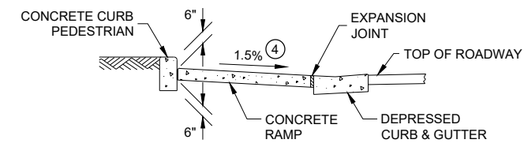
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

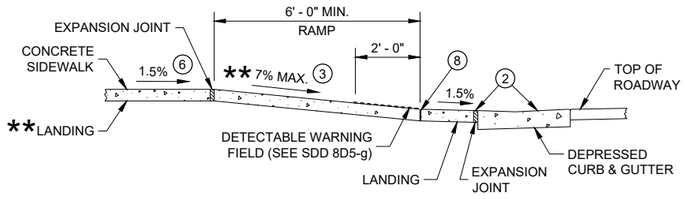
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



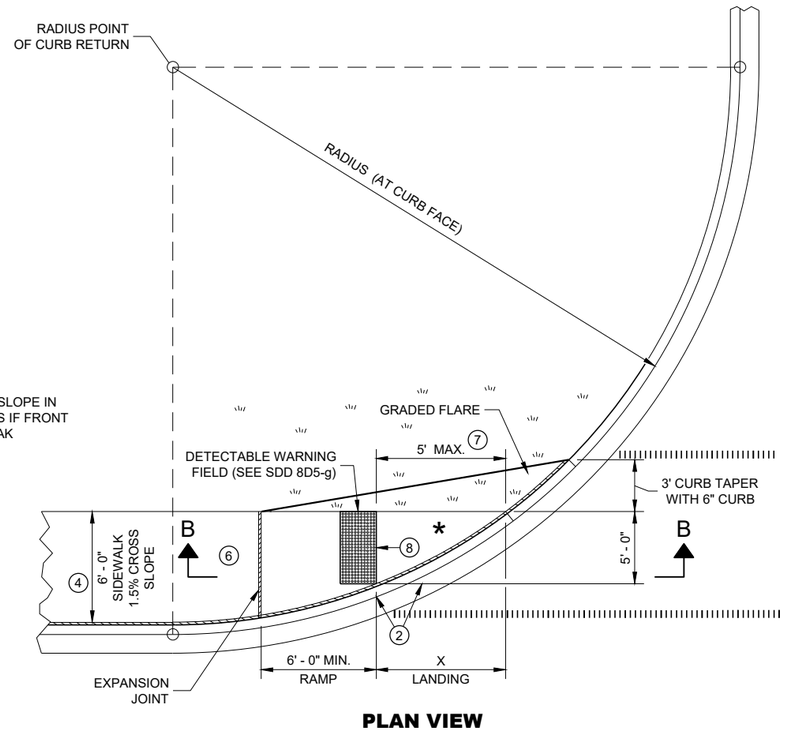
SECTION C - C FOR TYPE 4A



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

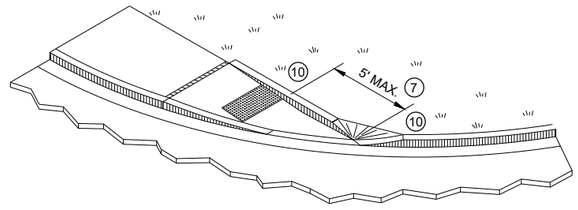
SECTION B - B FOR TYPE 4A AND TYPE 4A1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

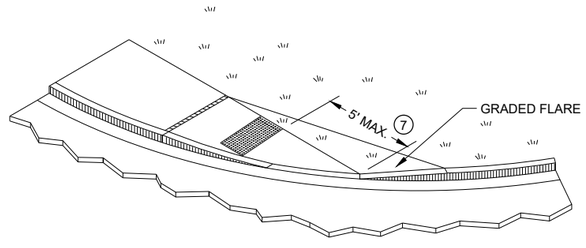


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



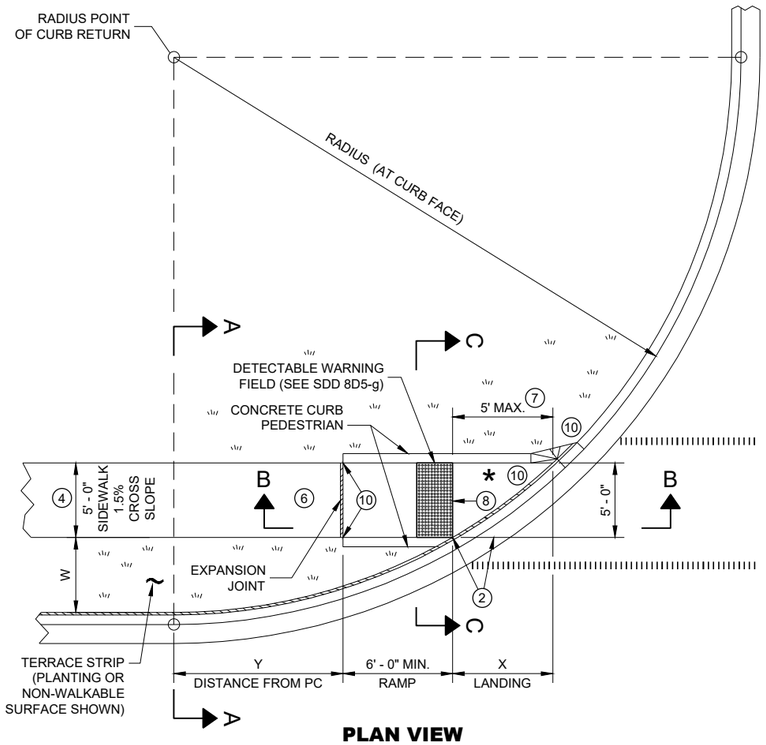
ISOMETRIC VIEW FOR TYPE 4A1

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.

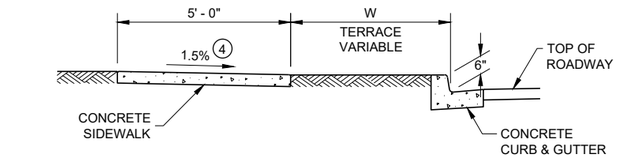
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

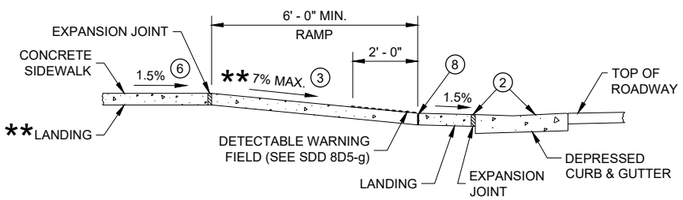
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



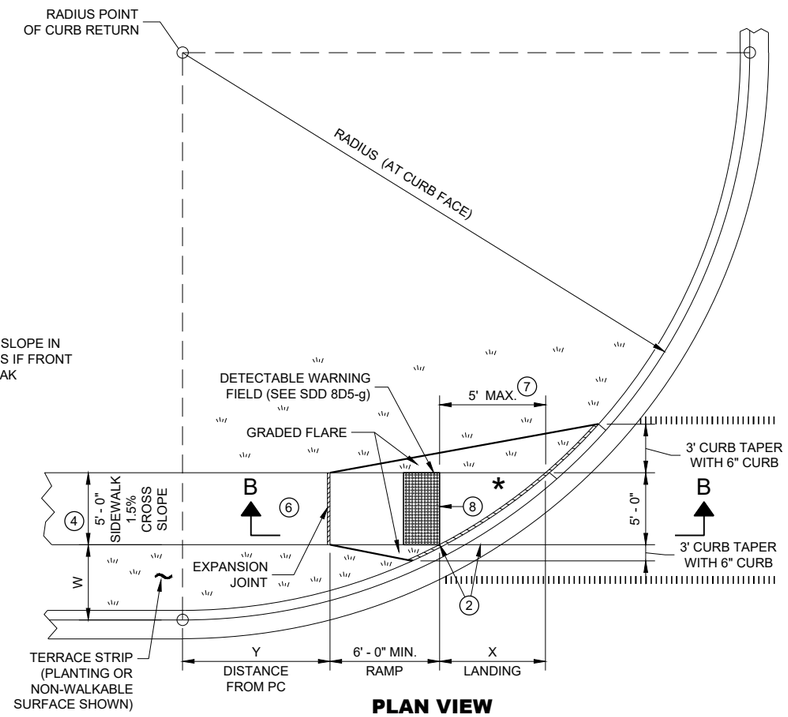
SECTION A - A FOR TYPE 4B



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

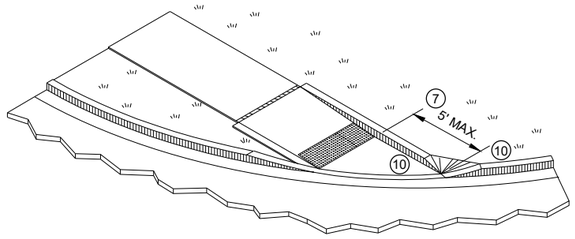
SECTION B - B FOR TYPE 4B AND TYPE 4B1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

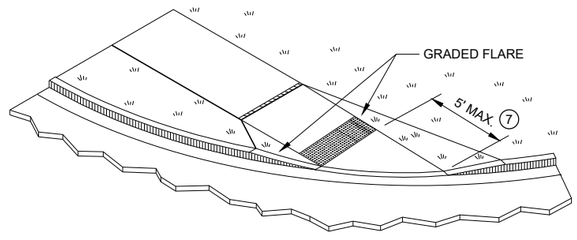


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



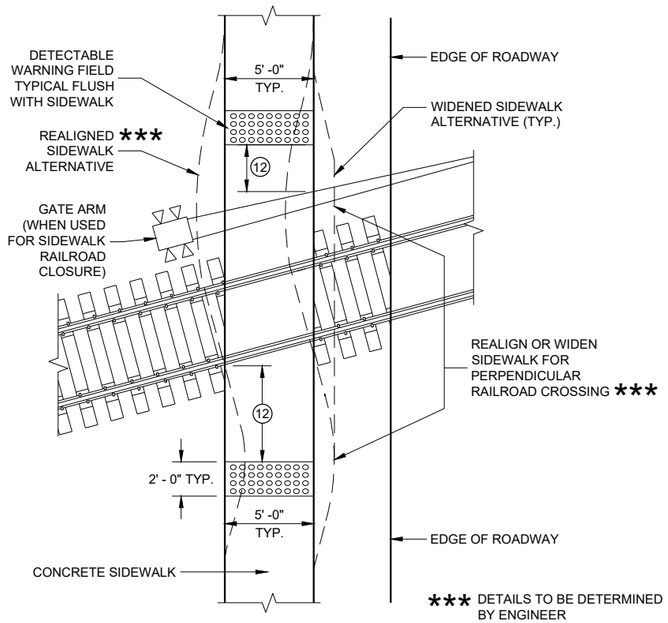
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

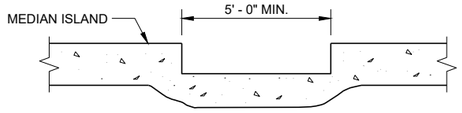
6

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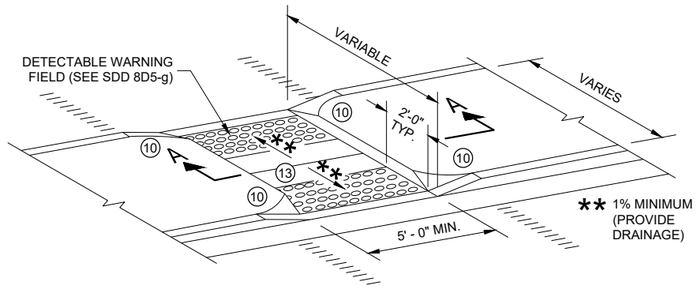


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ½ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

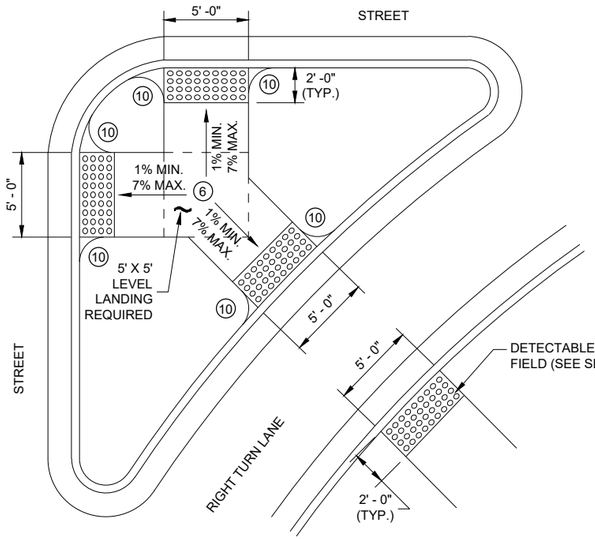
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

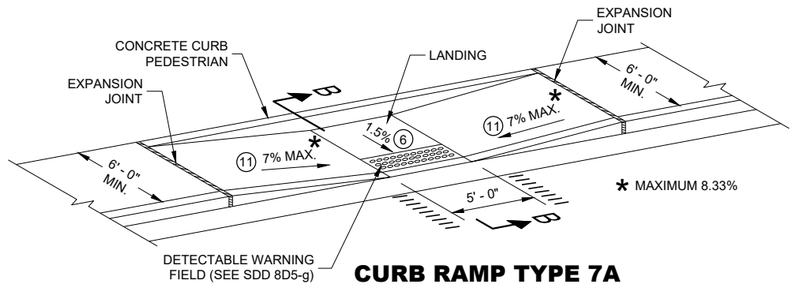
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

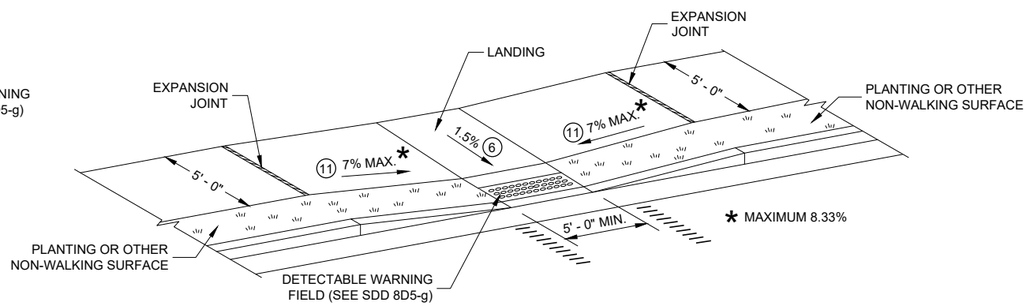
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

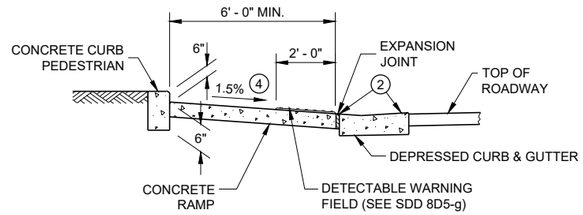
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.



SECTION B - B FOR TYPE 7A

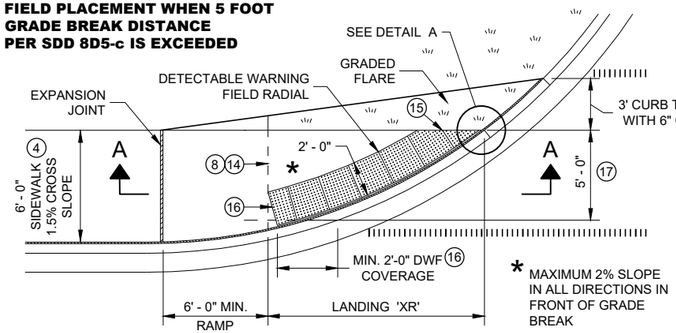
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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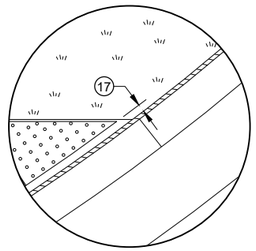
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



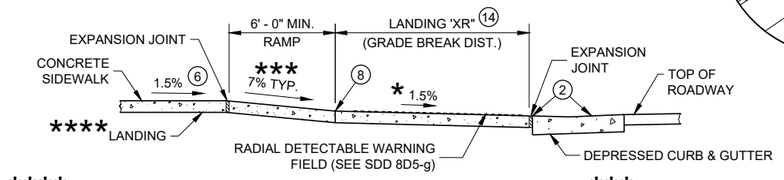
PLAN VIEW

CURB RAMP TYPE 4A1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL A

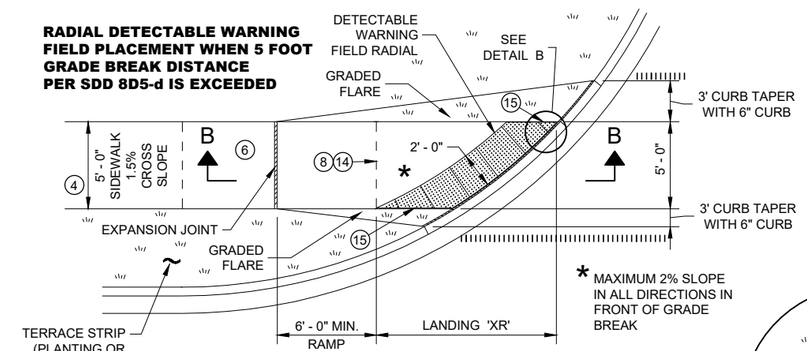


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1

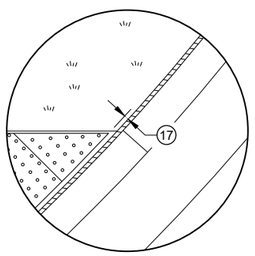
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



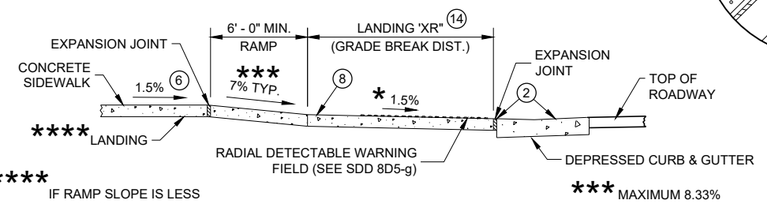
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

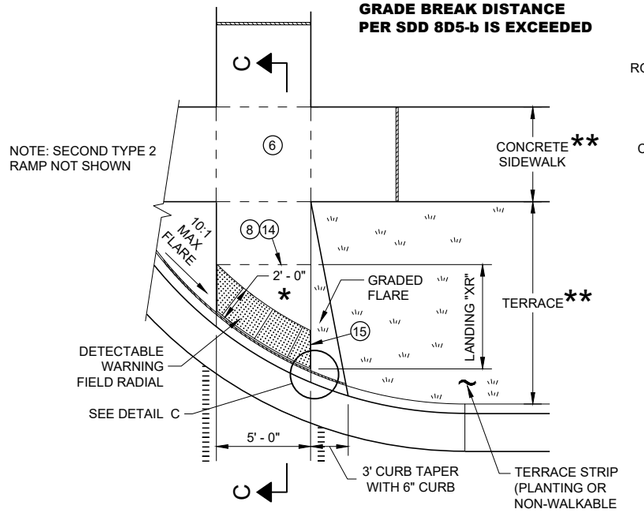
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 3 INCH CONCRETE BORDER WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

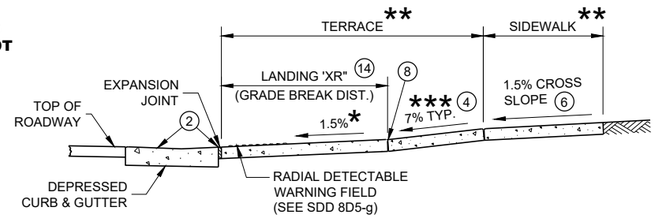


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

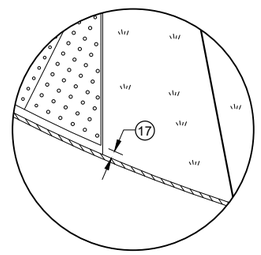


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

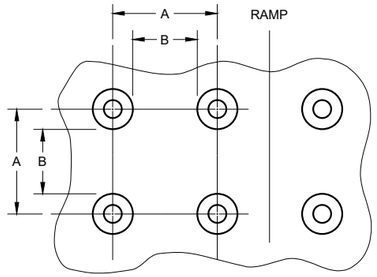
631

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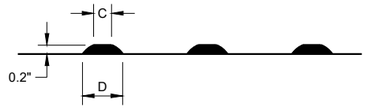
SDD 08D05 - 20f

	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.

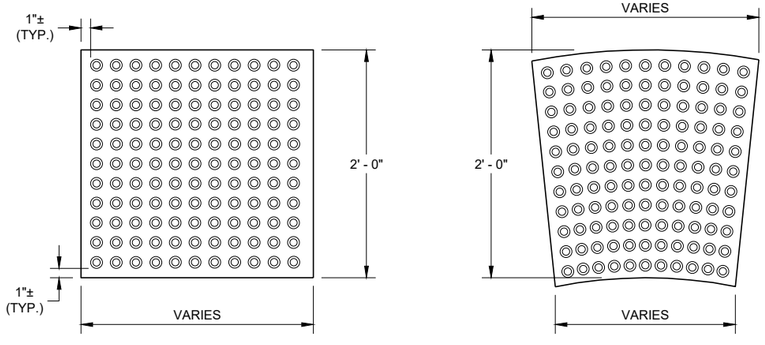


PLAN VIEW



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.

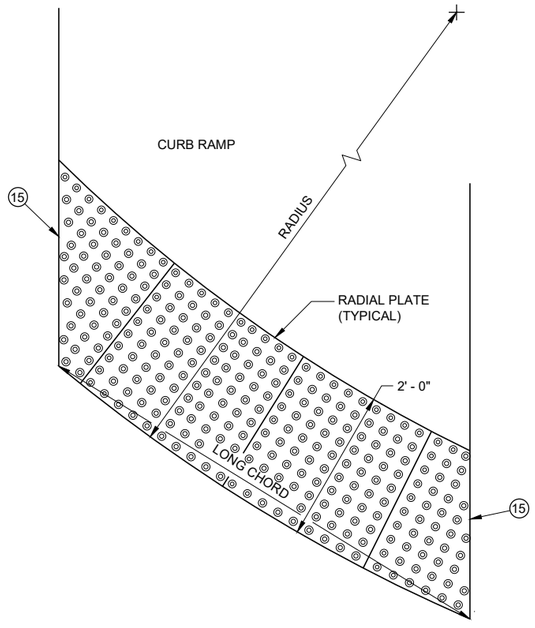
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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.

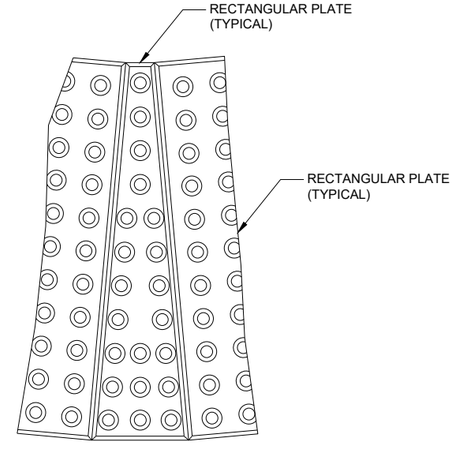
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

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

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SDD 08D05 - 20g

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) UNPERFORATED PIPE UNDERDRAIN AND FITTINGS FURNISHED FOR OUTFALL PIPE SHALL MEET THE REQUIREMENTS OF ONE OF THE FOLLOWING SPECIFICATIONS:

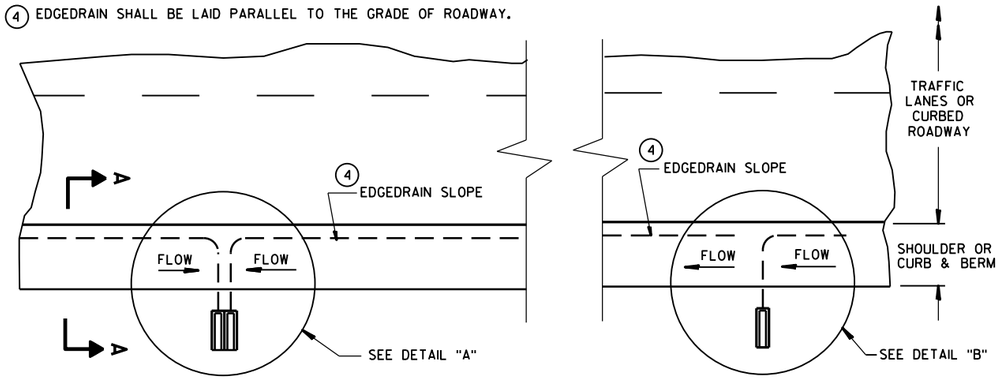
POLYVINYL CHLORIDE (PVC) PLASTIC DRAIN, WASTE, AND VENT PIPE AND FITTINGS, ASTM D 2665, SCHEDULE 40 PVC.

TYPE PSM POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, ASTM D 3034, SDR 23.5 PVC SEWER PIPE.

(2) MAXIMUM SPACING OF EDGEDRAIN OUTLETS SHALL BE 250 FEET UNLESS OTHERWISE SPECIFIED IN THE CONTRACT OR DIRECTED BY THE ENGINEER.

(3) EDGEDRAIN SHALL BE CONNECTED TO INLETS REGARDLESS OF FLOW DIRECTION FOR DRAINAGE AND MAINTENANCE ACCESS.

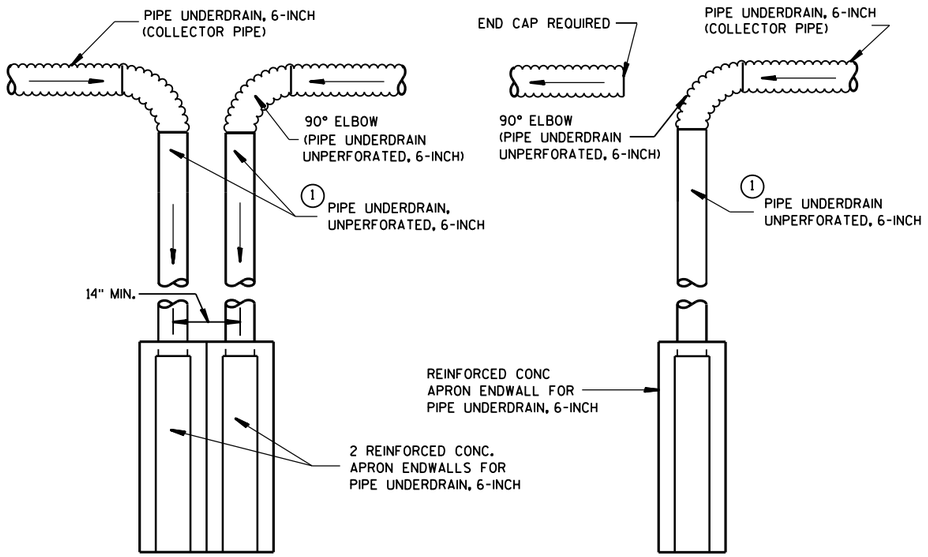
(4) EDGEDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF ROADWAY.



PLAN VIEW

ROADWAY WITH SHOULDERS OR CURBS

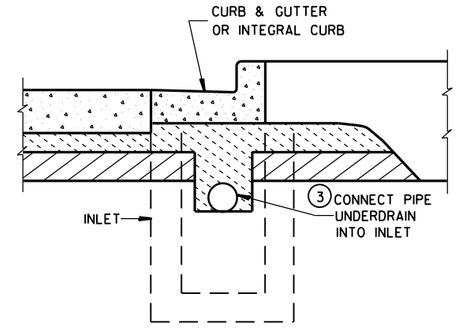
(EDGEDRAIN OUTLETS TO ROADSIDE) (2)



DETAIL "A"
TO BE USED AT LOW POINT LOCATIONS

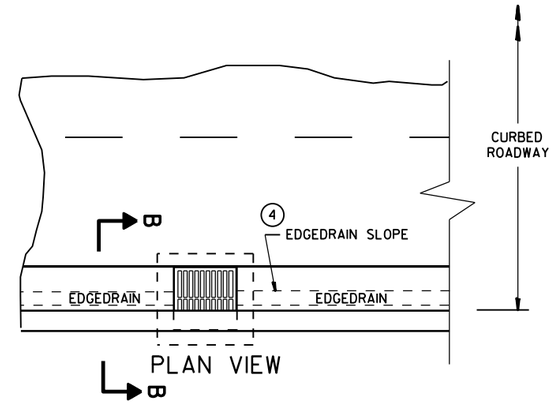
DETAIL "B"
TO BE USED AT INTERMEDIATE LOCATIONS

TYPICAL DRAIN OUT DETAILS



SECTION B-B

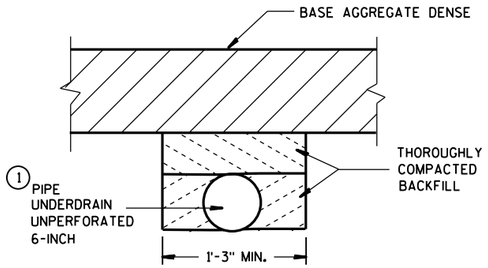
URBAN CROSS SECTION



PLAN VIEW

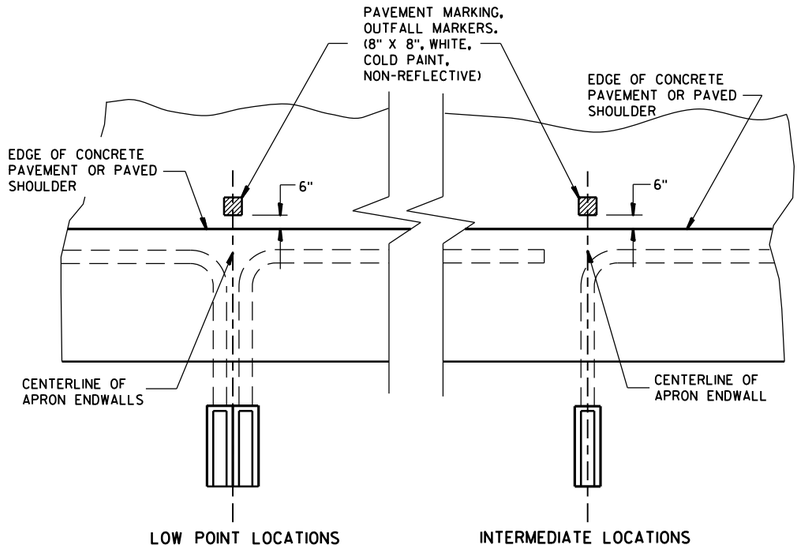
ROADWAY WITH CURBS

(EDGEDRAIN CONNECTS INTO INLET STRUCTURE)



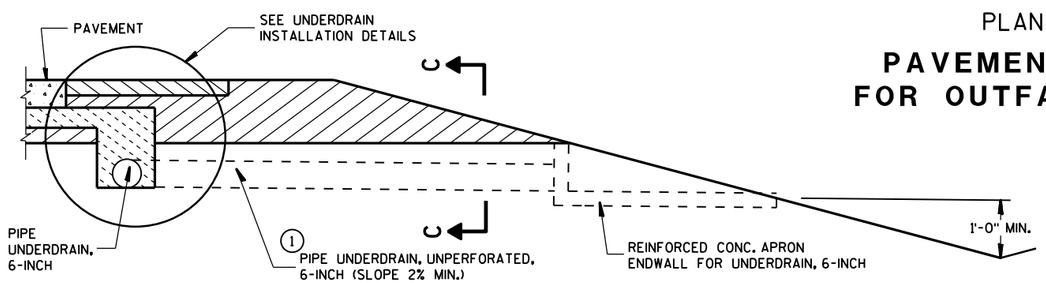
SECTION C-C

(TRENCH FOR OUTFALL PIPE)



PLAN VIEW

PAVEMENT MARKING FOR OUTFALL MARKERS

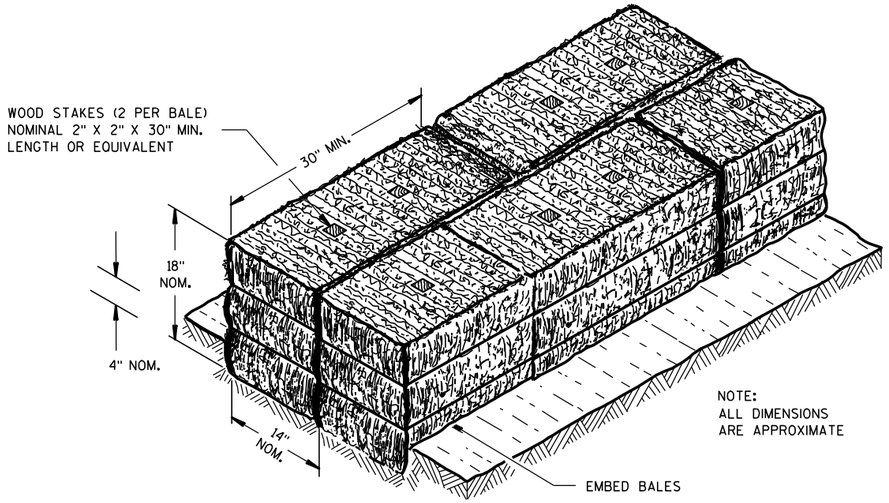


SECTION A-A

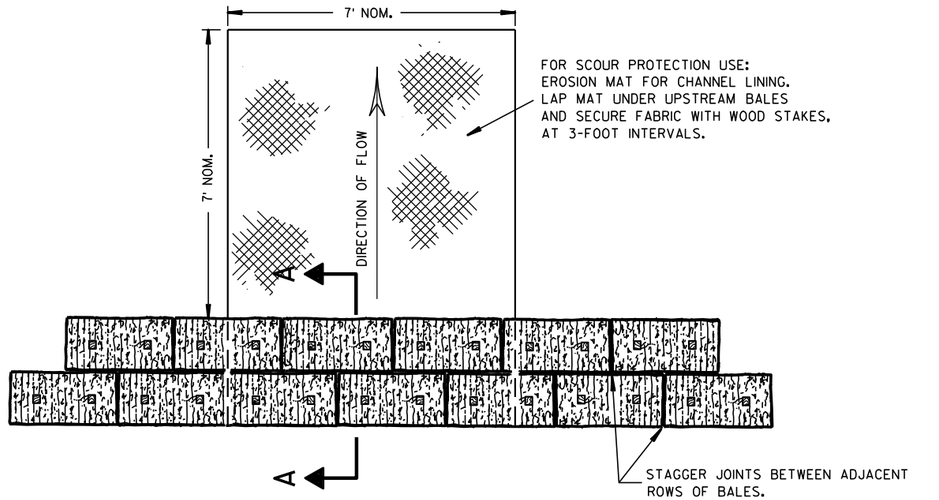
RURAL CROSS SECTION

EDGEDRAIN OUTLET AND OUTFALL MARKERS

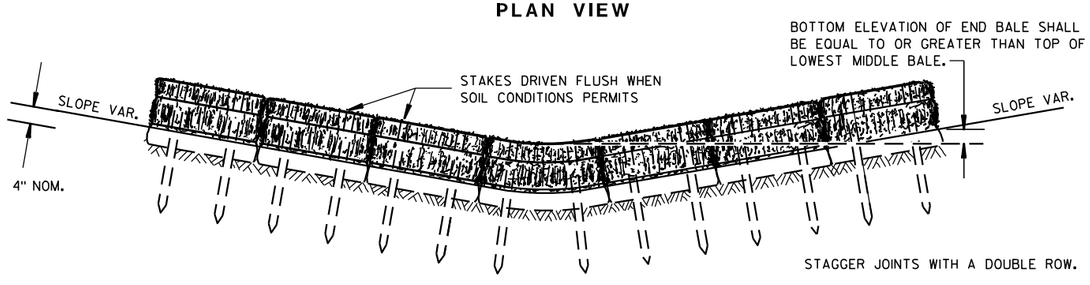
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR



SECTION A-A



PLAN VIEW



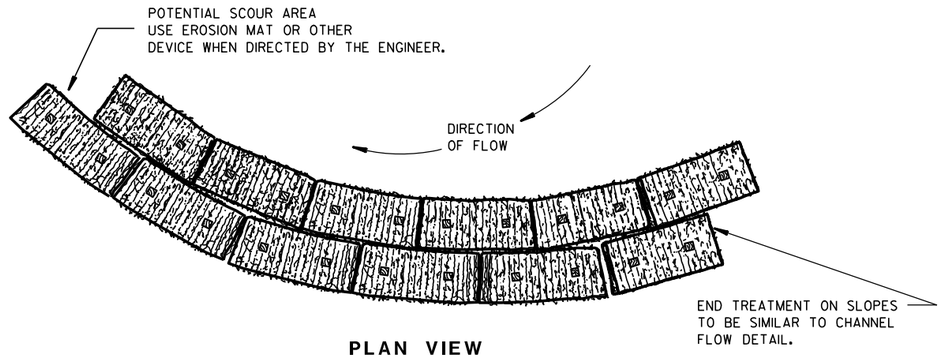
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

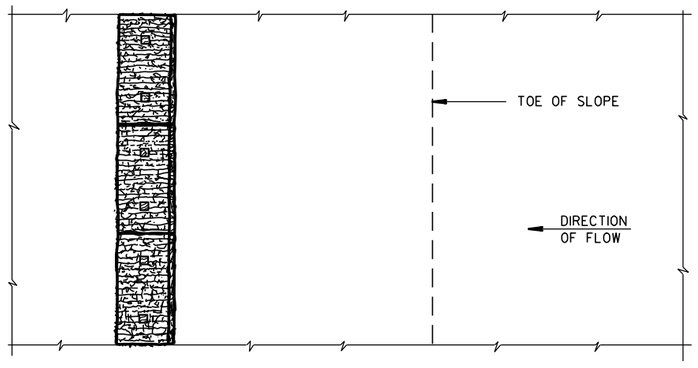
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

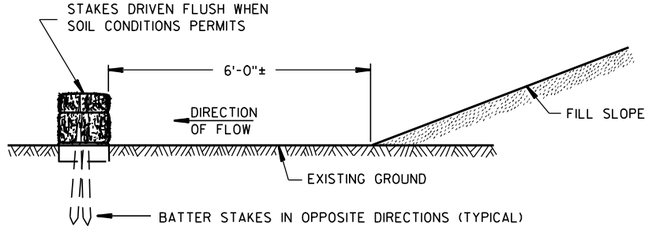


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 — DATE

/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

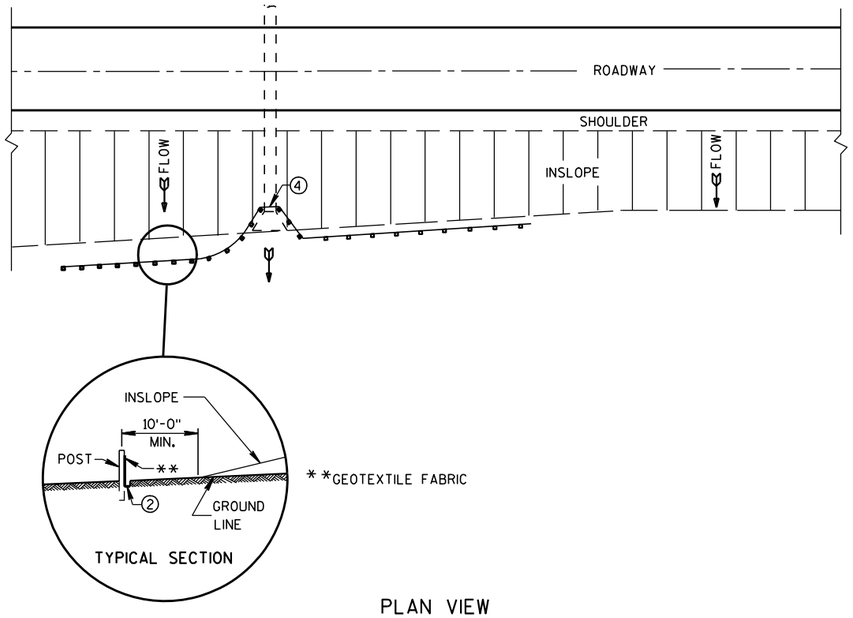
FHWA

6

S.D.D. 8 E 8-3

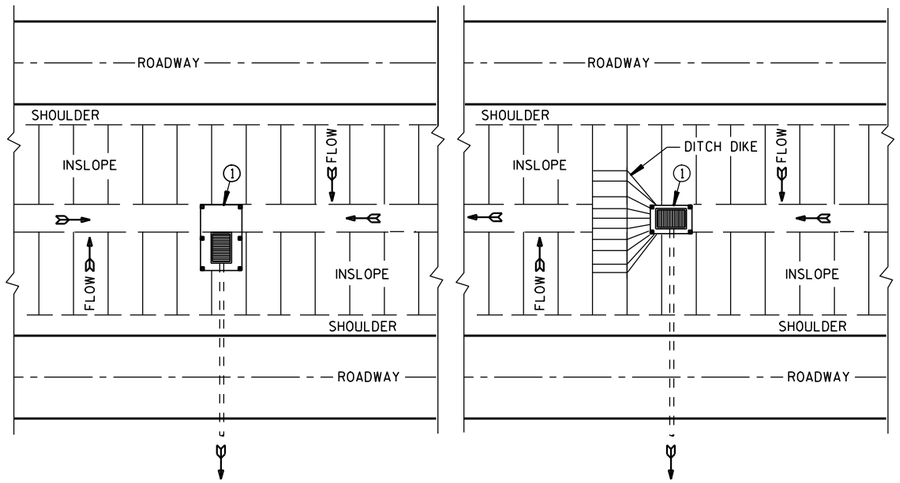
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



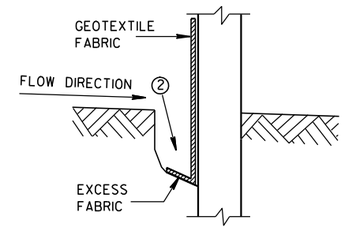
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

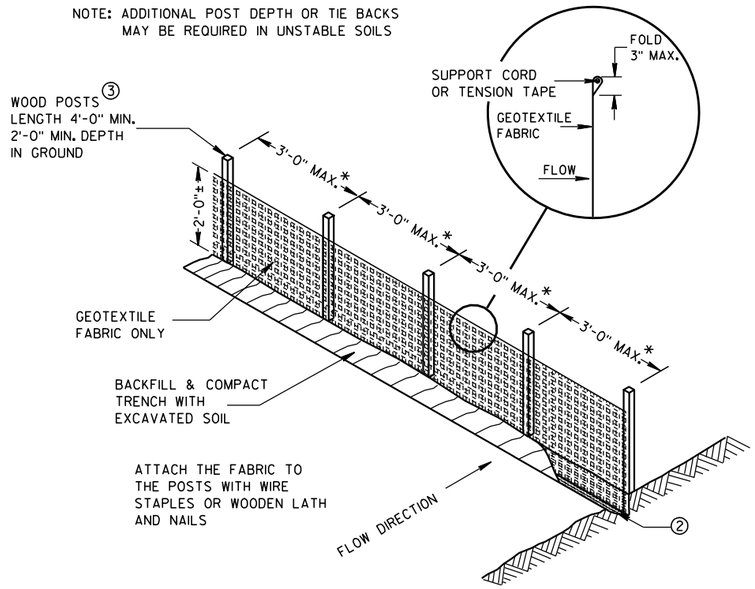
GENERAL NOTES

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

1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

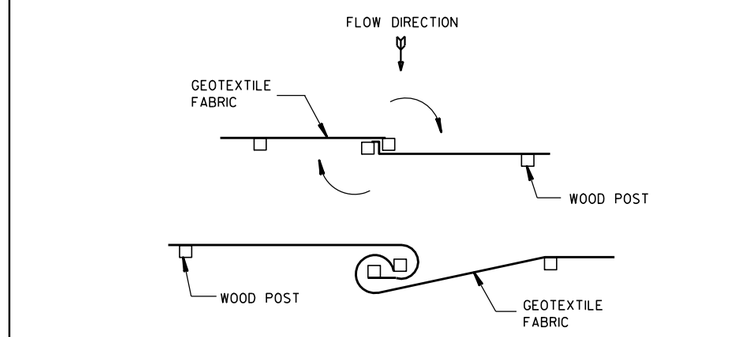


TRENCH DETAIL

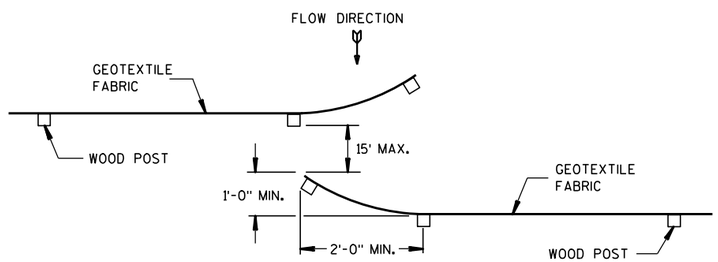


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

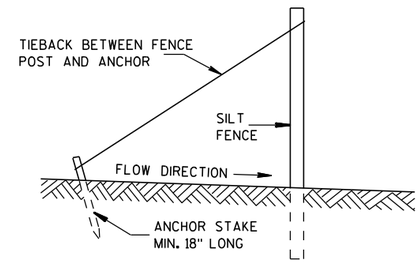


TWIST METHOD



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

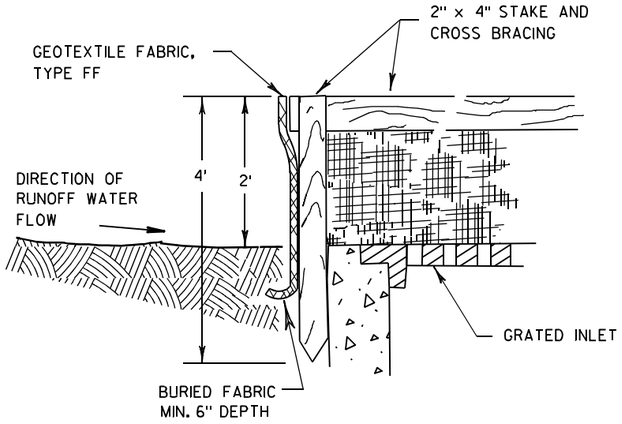
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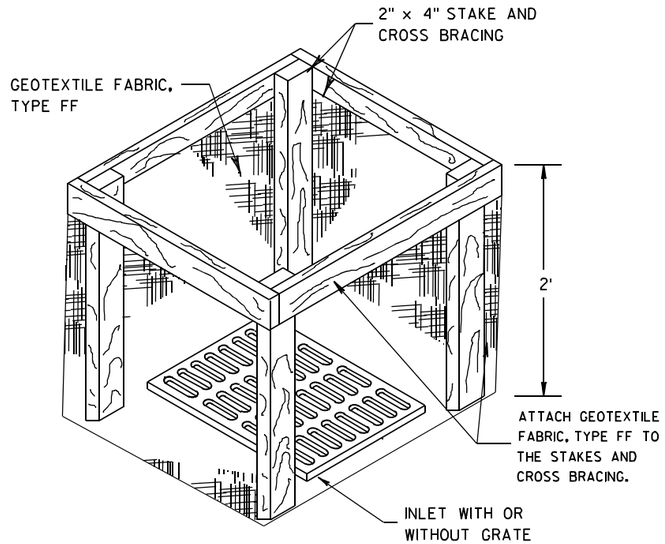
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S.D.D. 8 E 9-6

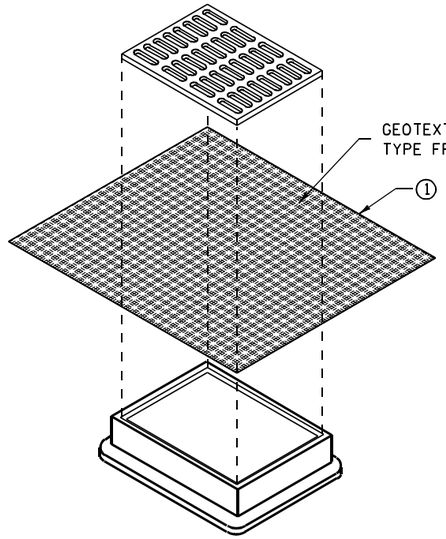
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S.D.D. 8 E 9-6



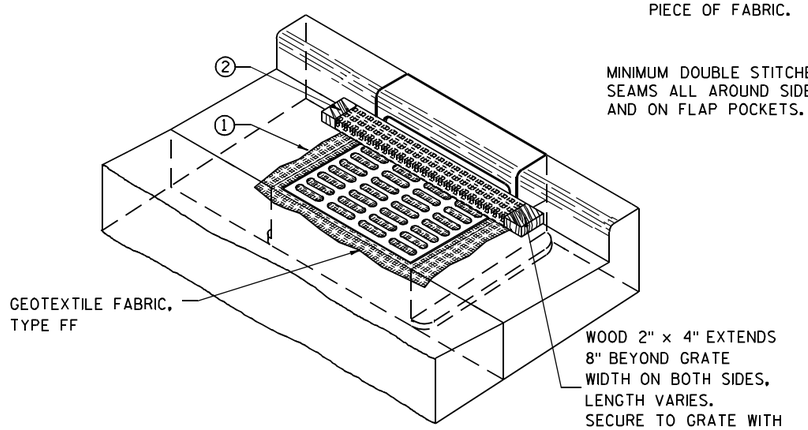


INLET PROTECTION, TYPE A

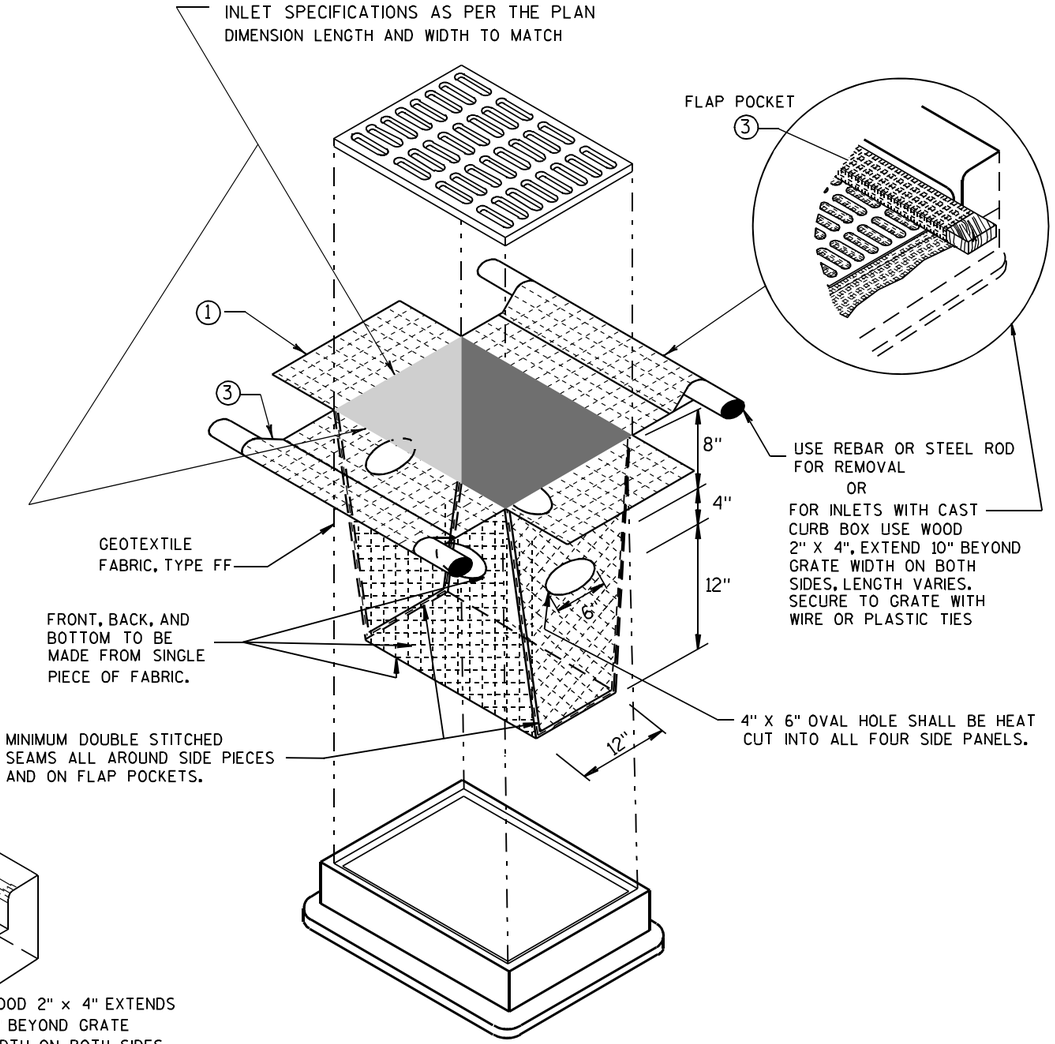


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

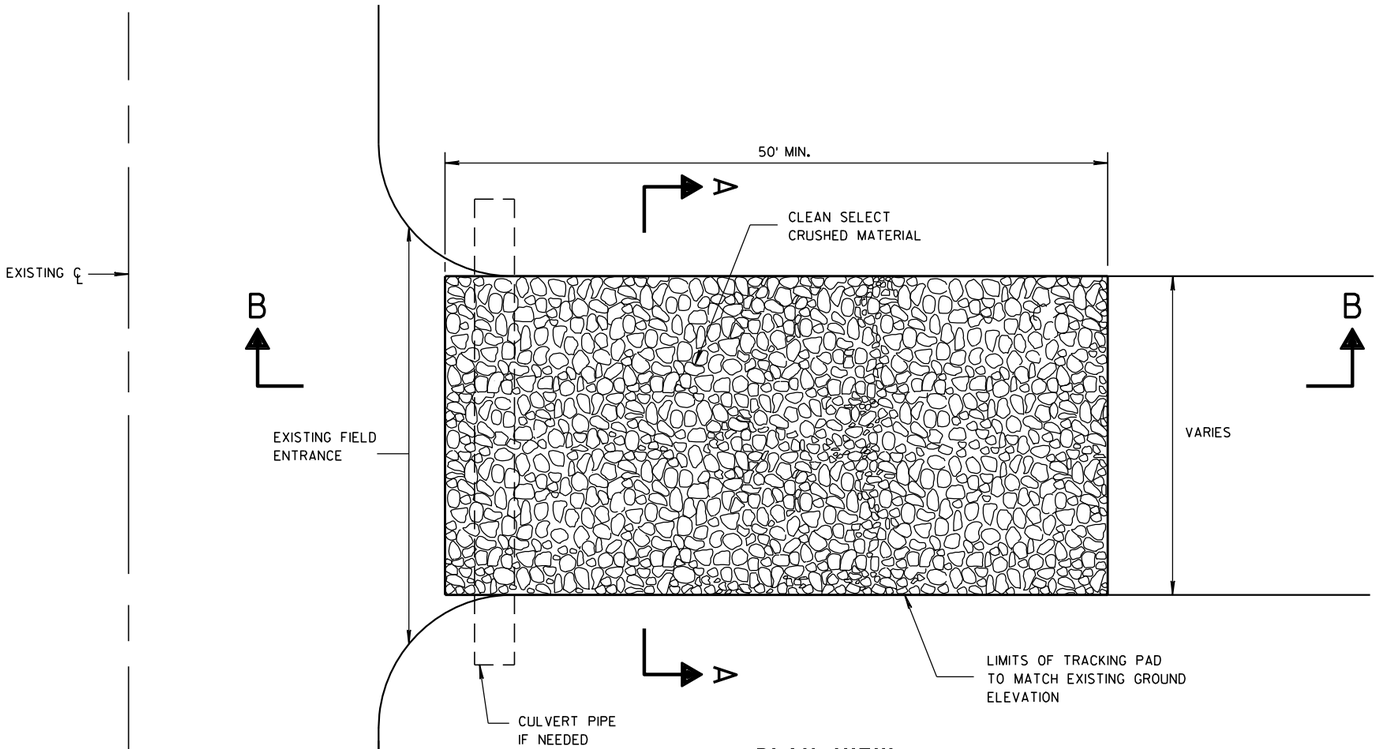
FHWA

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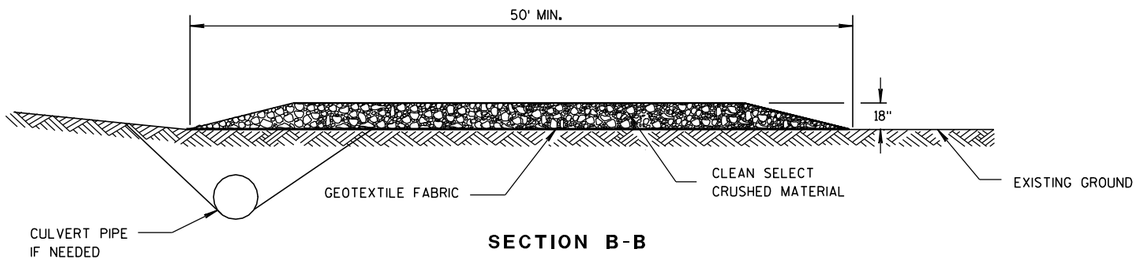
S.D.D. 8 E 10-2

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.

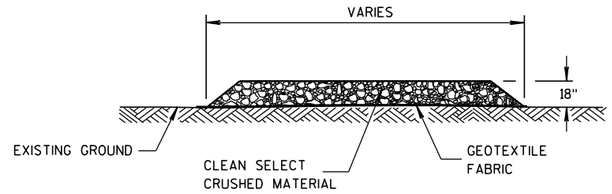
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

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

6

S.D.D. 8 E 14-1

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

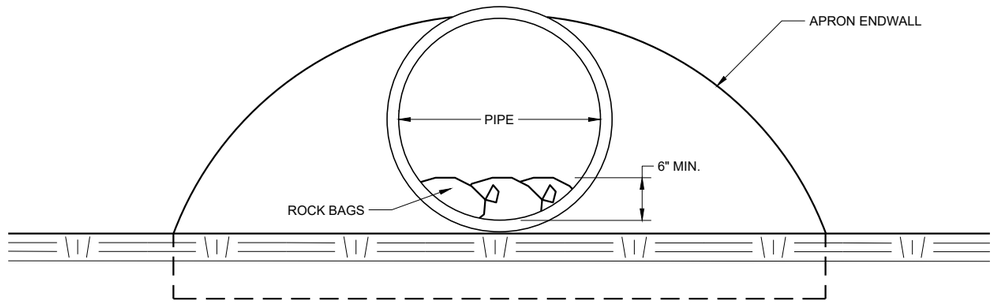
APPROVED

3/24/2011	/S/ Jerry H. Zoda	
DATE	ROADWAY STANDARDS ENGINEER 637	ENT

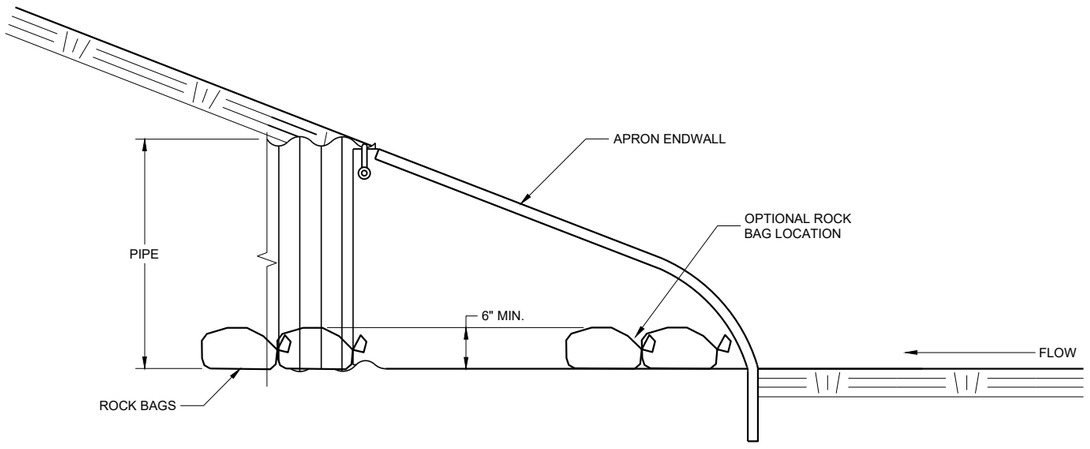
FHWA

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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

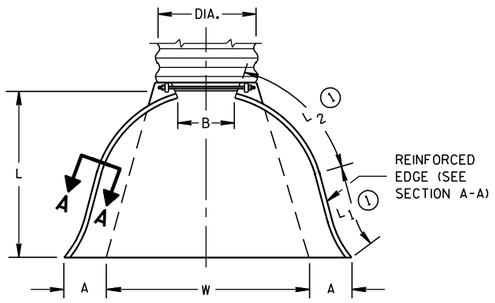
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

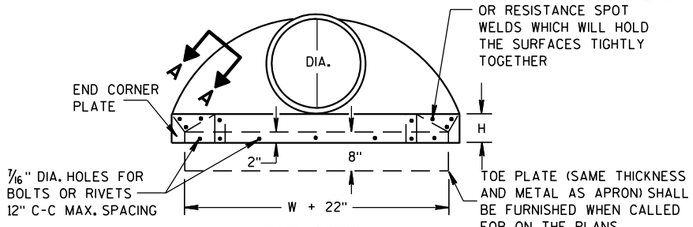
REINFORCED CONCRETE APRON ENDWALLS

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

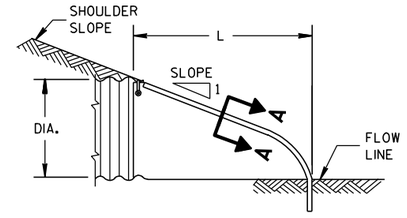
*MINIMUM
**MAXIMUM



PLAN VIEW

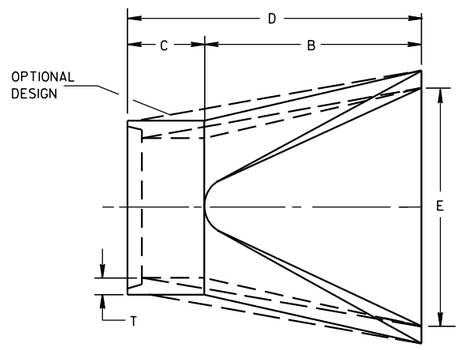


END VIEW

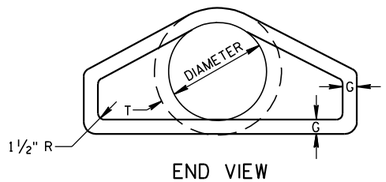


SIDE ELEVATION

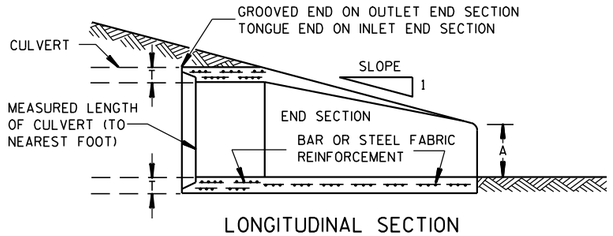
METAL ENDWALLS



PLAN

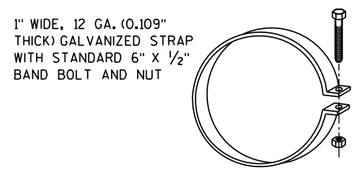


END VIEW



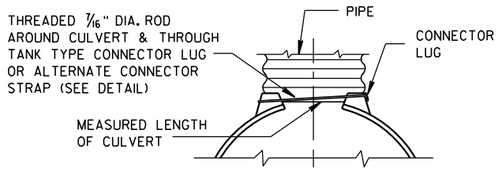
LONGITUDINAL SECTION

CONCRETE ENDWALLS

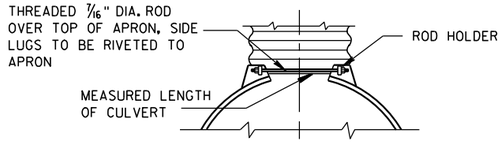


ALTERNATE FOR TYPE 1 CONNECTION

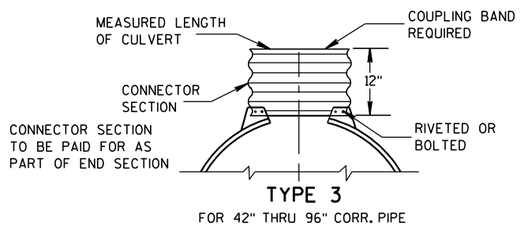
END SECTION CONNECTOR STRAP



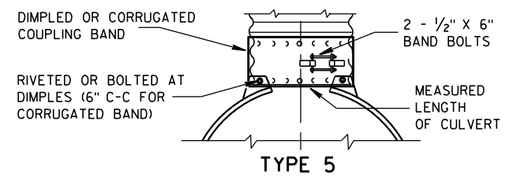
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

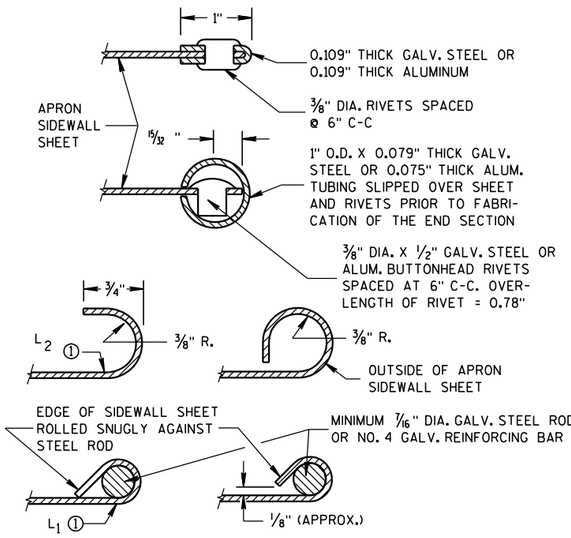
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

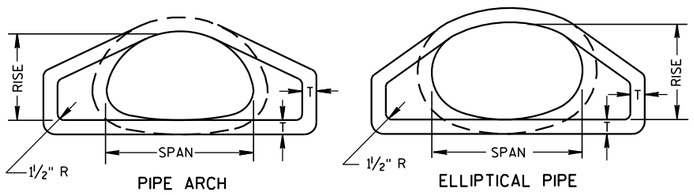
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

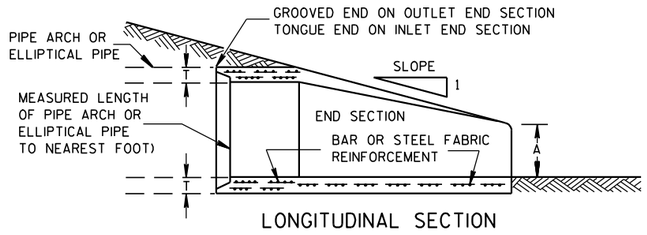
APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOP 639 NEER
FHWA

6

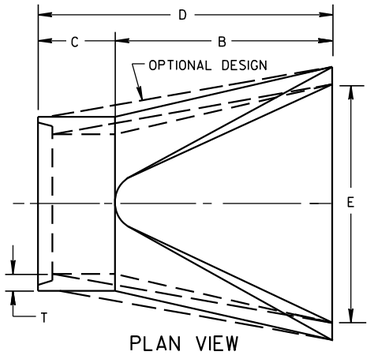
S.D.D. 8 F 1-11



END VIEW

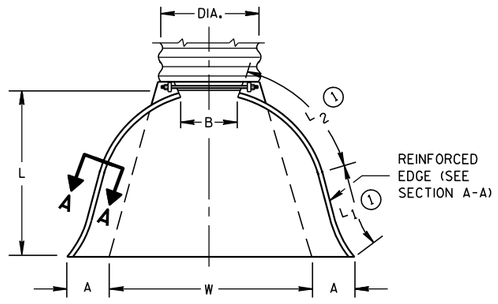


LONGITUDINAL SECTION

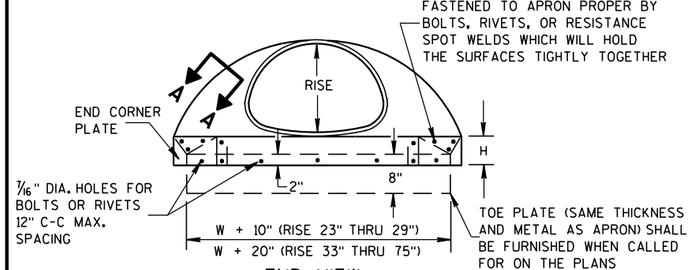


PLAN VIEW

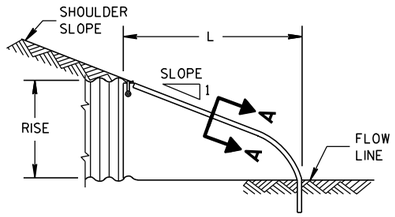
CONCRETE ENDWALLS



PLAN VIEW

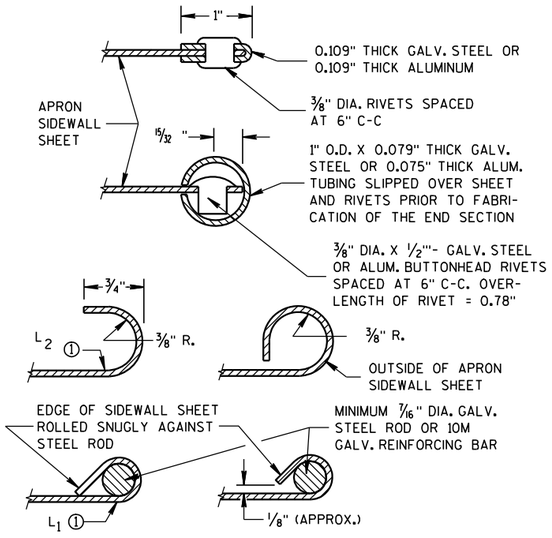


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

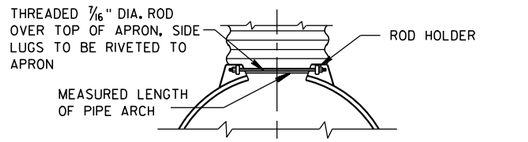
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

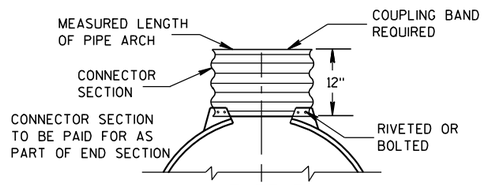
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



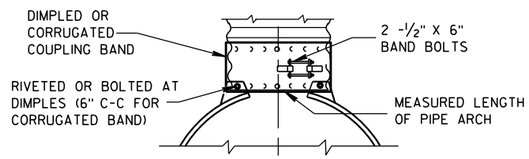
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

GENERAL NOTES

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

CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

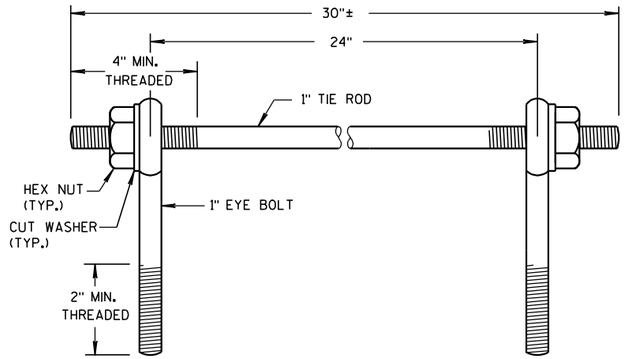
FHWA

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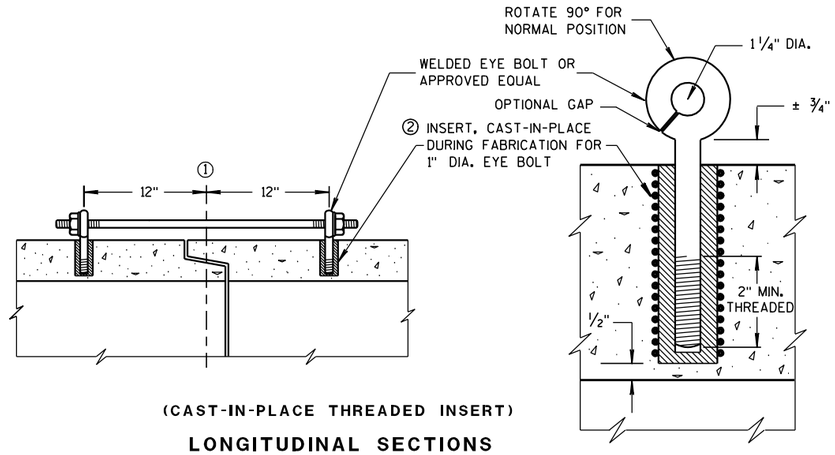
S.D.D. 8 F 2-1

6

S.D.D. 8 F 2-1



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.

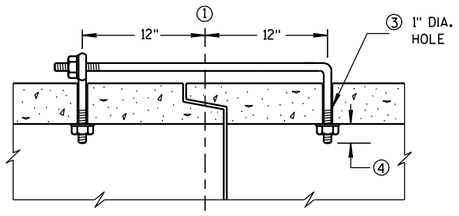
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

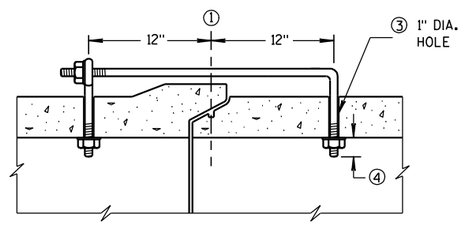
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

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)

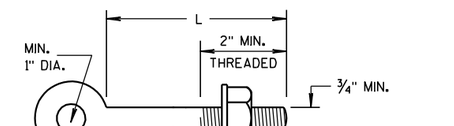


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

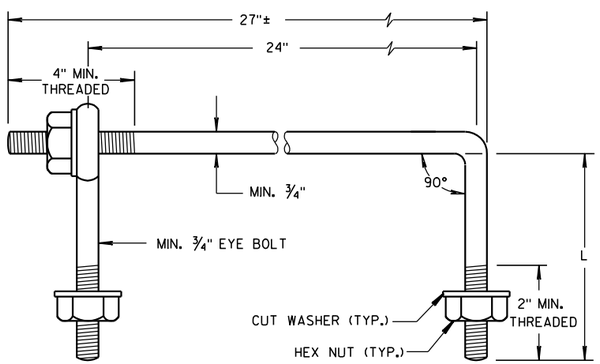
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



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

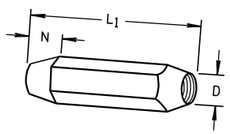
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

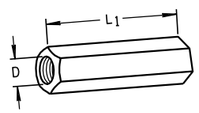
ADJUSTABLE TIE ROD TABLE

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



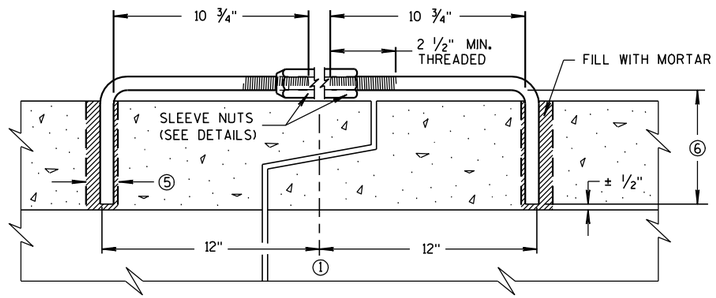
TAPERED



PLAIN

RIGHT AND LEFT THREADS

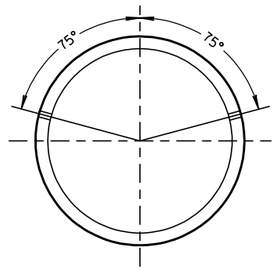
SLEEVE NUTS



LONGITUDINAL SECTION

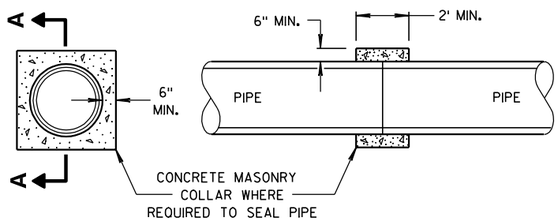
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
641 — [illegible]MENT
FHWA

6

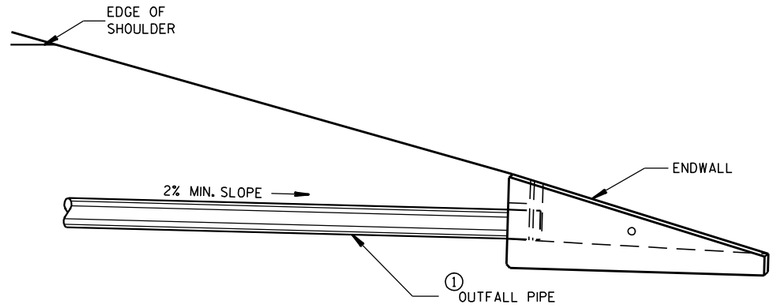
S.D.D. 8 F 4-7

6

S.D.D. 8 F 4-7

DIMENSIONS IN INCHES											
PIPE DIA.	A	B	C	D	E	F	G	H	J	L	Z
**4	6	12	5 1/4	9	8	32	36	11	2 3/8	6 1/2	4
6	8	14	7 1/4	11	10	42	44	13	3 5/8	8 1/2	6

**APRON ENDWALL FOR 6 INCH DIAMETER PIPE MAY BE SUBSTITUTED FOR THIS SIZE PROVIDED THE HOLE IN THE HEADWALL IS SIZED AND LOCATED TO CONFORM TO THE 4 INCH DIAMETER PIPE DIMENSIONS (C & J)



INSTALLATION DETAIL

GENERAL NOTES

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

ALTERNATIVE DESIGNS WHICH PROVIDE EQUIVALENT CAPACITY AND STRENGTH MAY BE USED WHEN APPROVED BY THE ENGINEER. ENDWALL MAY BE EITHER PRECAST OR CAST-IN-PLACE CONCRETE.

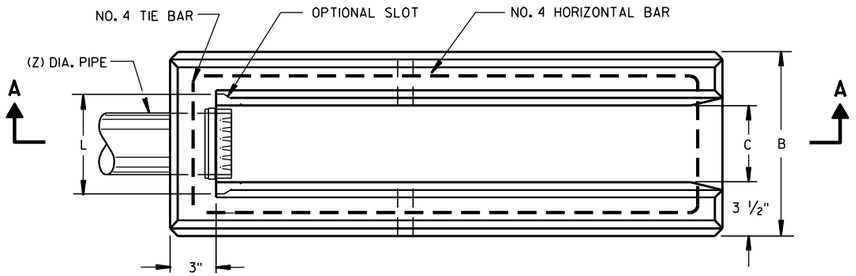
THE UNDERDRAIN PIPE SHALL BE FULLY INSERTED AND SEALED INTO THE ENDWALL WITH CEMENT MORTAR PRIOR TO BACKFILLING AROUND THE STRUCTURE.

THE UPPERMOST POINT OF THE ENDWALL SHALL BE PLACED FLUSH WITH THE ROADWAY SLOPE. ADJACENT EMBANKMENT SLOPES SHALL BE SHAPED TO FIT THE SIDES AND TOE OF THE ENDWALL. EXACT PLACEMENT OF THE OUTFALL PIPE AND ENDWALL SHALL BE DETERMINED BY THE ENGINEER TO MATCH THE ELEVATIONS AND FLOW DIRECTION OF THE ROADSIDE DITCH.

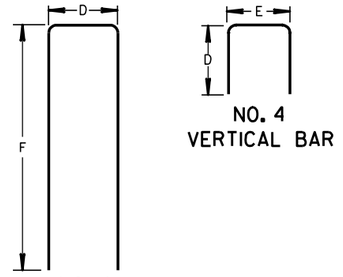
① THE OUTFALL PIPE UNDERDRAIN AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION FOR POLY (VINYL CHORIDE) (PVC) PLASTIC DRAIN, WASTE AND VENT PIPE AND FITTINGS, ASTM DESIGNATION: D 2665, SCHEDULE 40 PVC OR THE STANDARD SPECIFICATION FOR TYPE PSM POLY (VINYL CHORIDE) (PVC) SEWER PIPE AND FITTINGS, ASTM DESIGNATION: D 3034, TYPE PSM SDR 23.5 PVC SEWER PIPE, ALL JOINTS SHALL BE SOLVENT WELDED.

THE OUTFALL PIPE INCLUDING ALL FITTINGS AND THE RODENT SHIELD SHALL BE MEASURED AND PAID FOR AS PIPE UNDERDRAIN UNPERFORATED.

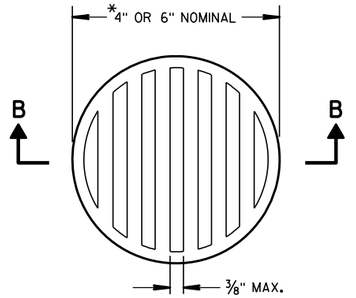
② THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

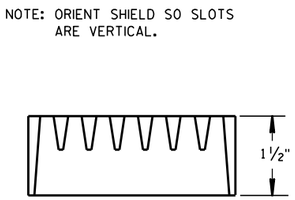


PLAN VIEW



BAR STEEL REINFORCEMENT DETAILS

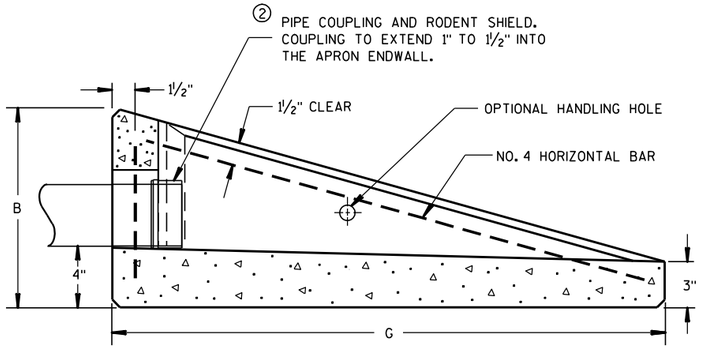




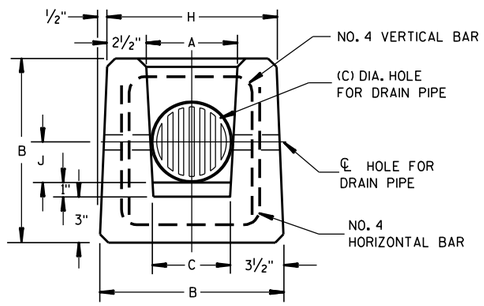
SECTION B-B

② RODENT SHIELD

*NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.



SECTION A-A



END VIEW

CONCRETE APRON ENDWALL FOR UNDERDRAIN

REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/10/98 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

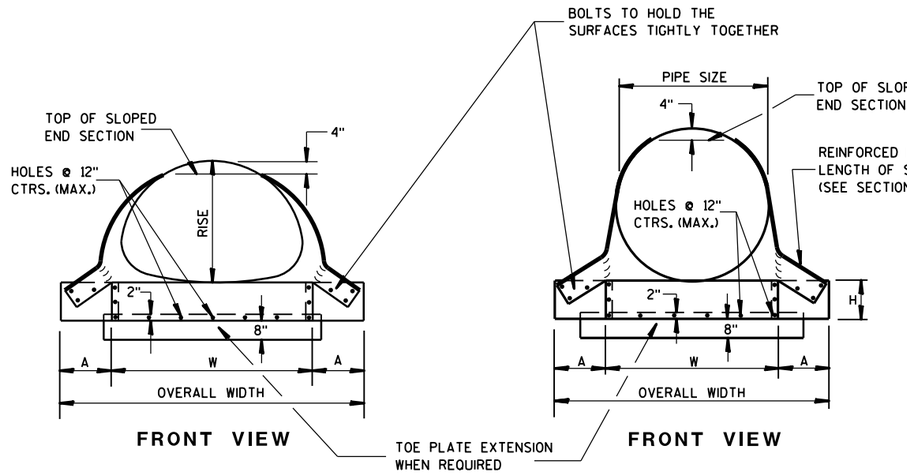
642

6

S.D.D. 8 F 6-4

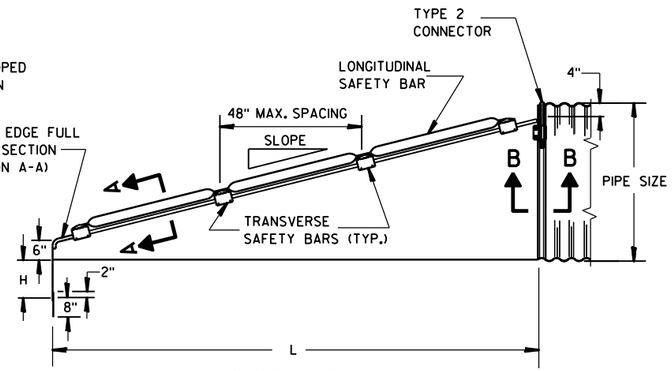
6

S.D.D. 8 F 6-4



FRONT VIEW

FRONT VIEW



SIDE VIEW
(48" SIZE ILLUSTRATED)

GENERAL NOTES

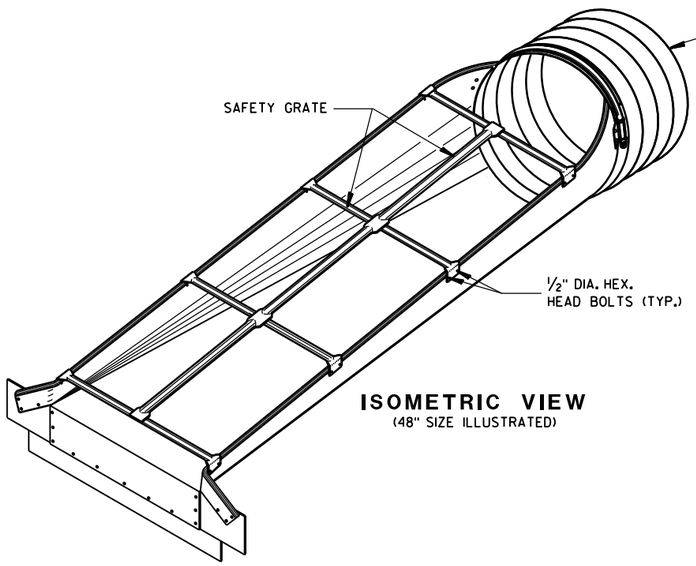
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

SAFETY GRATES SHALL BE FABRICATED FROM 3-INCH DIAMETER GALVANIZED PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL. THE LONGITUDINAL BAR SHALL BE WELDED TO THE TRANSVERSE BARS WHERE THE BARS CROSS. THE NUMBER OF TRANSVERSE BARS REQUIRED WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

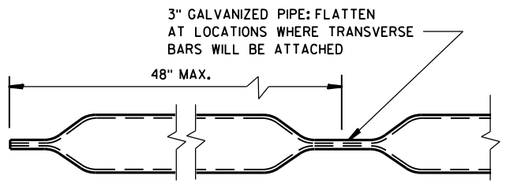
SLOPED STEEL ENDWALLS LOCATED AT THE ENDS OF CONCRETE CULVERT PIPE SHALL BE FURNISHED WITH STEEL ADAPTER SLEEVES.

STEEL APRON ENDWALLS FOR CULVERT PIPE CROSS DRAINS

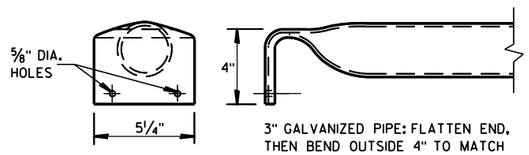
PIPE DIA. (IN.)	MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
36	.109	12	12	9	42	66	4:1	104	6:1	156
42	.109	12	16	12	48	80	4:1	128	6:1	192
48	.109	12	16	12	54	86	4:1	152	6:1	228
54	.109	12	16	12	60	92	4:1	176	6:1	264
60	.109	12	16	12	66	98	4:1	200	6:1	300



ISOMETRIC VIEW
(48" SIZE ILLUSTRATED)



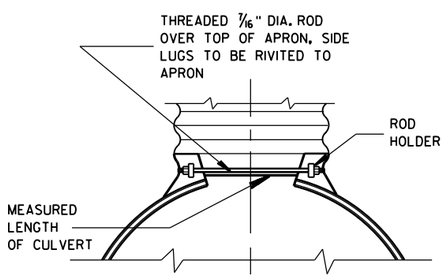
LONGITUDINAL SAFETY BAR



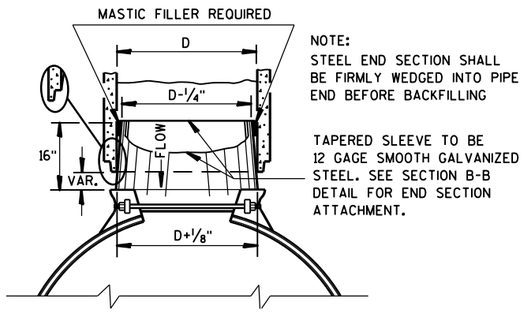
TRANSVERSE SAFETY BAR

STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS

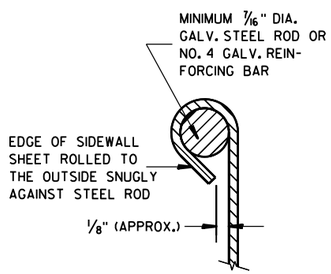
EQUIV. DIA. (IN.)	INCHES		MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	SPAN	RISE	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
30	35	24	.079	14	12	9	41	65	4:1	56	6:1	84
36	42	29	.109	12	12	9	48	72	4:1	76	6:1	114
42	49	33	.109	12	16	12	55	87	4:1	92	6:1	138
48	57	38	.109	12	16	12	63	95	4:1	112	6:1	168
54	64	43	.109	12	16	12	70	102	4:1	132	6:1	198
60	71	47	.109	12	16	12	77	109	4:1	148	6:1	222



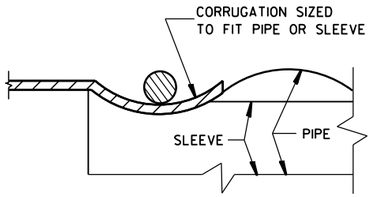
TYPE 2 CONNECTOR DETAIL



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



SECTION A-A



SECTION B-B

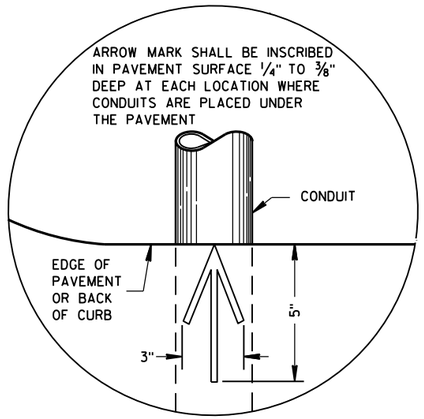
STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED CROSS DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

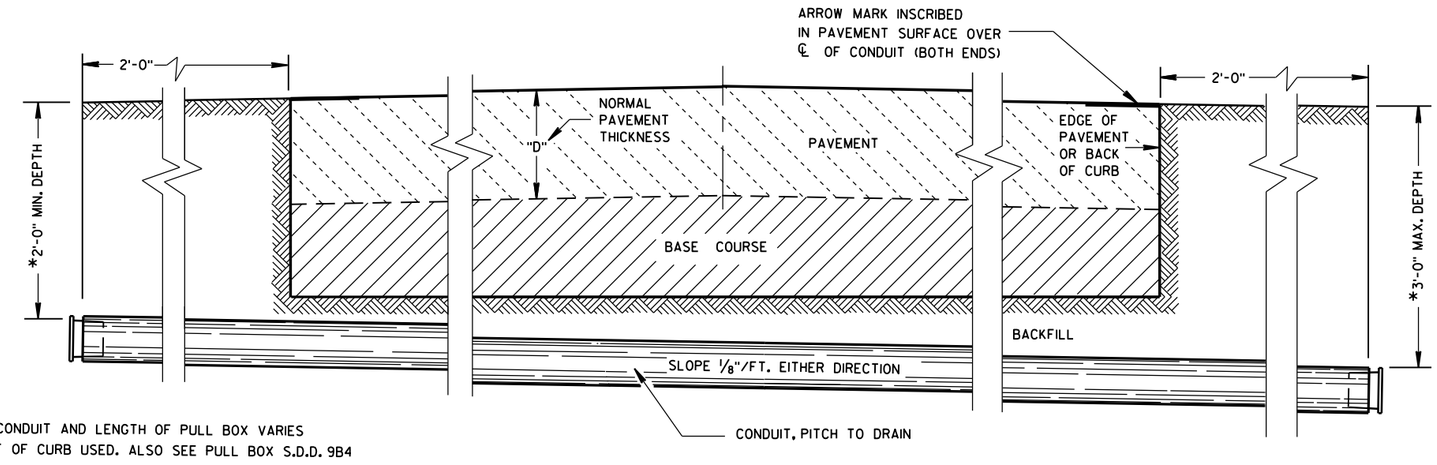
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S.D.D. 8 F 8-2



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 644
FHWA

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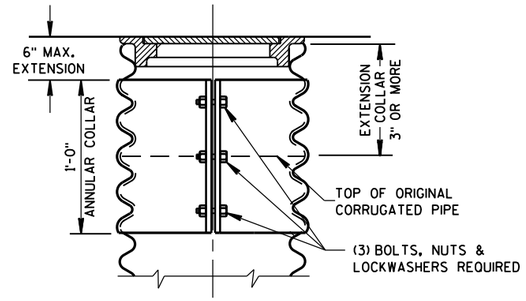
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

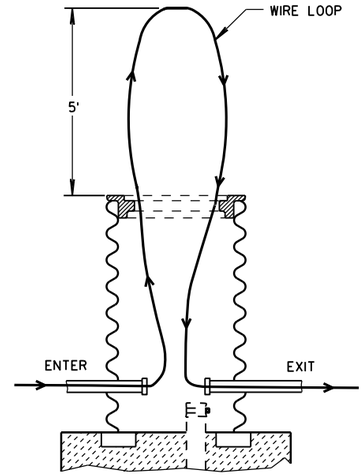
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	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.

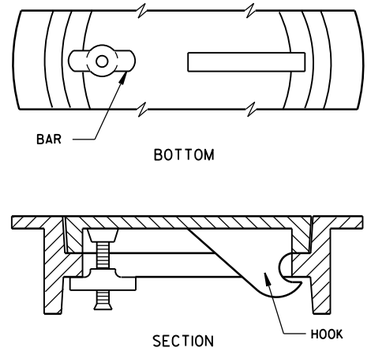
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

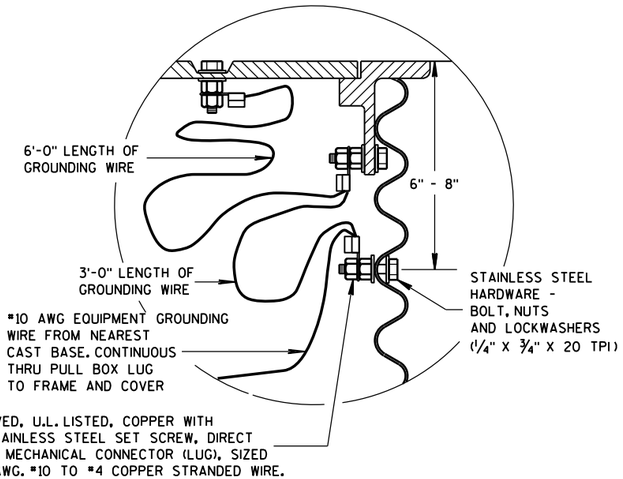


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

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.

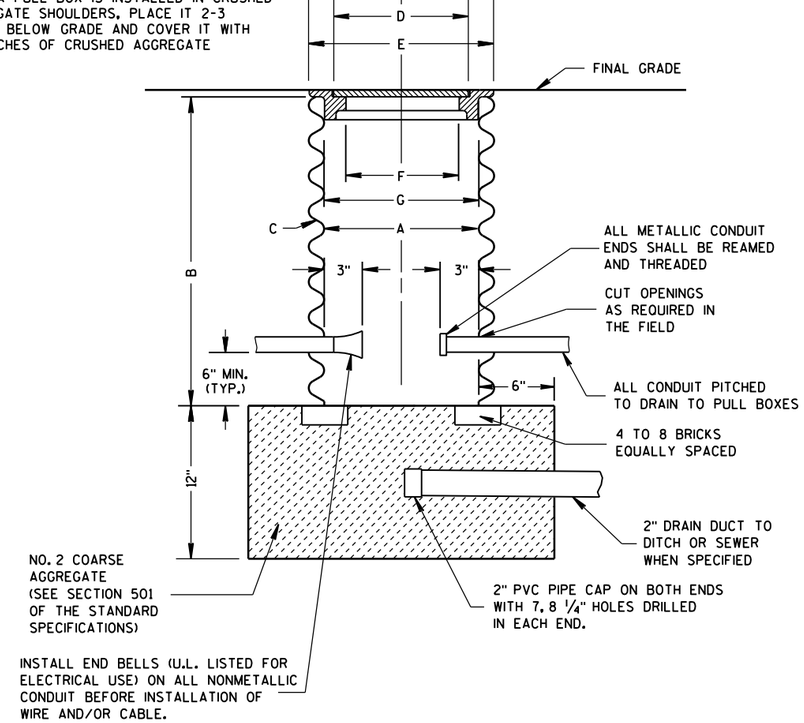
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

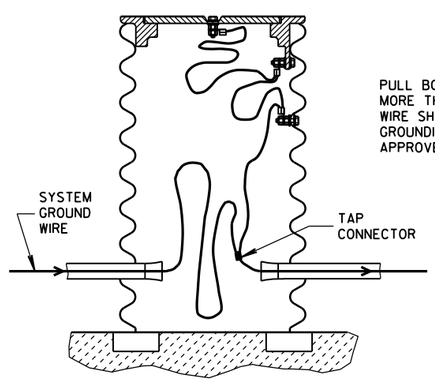
GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

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



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 645
FHWA

6

S.D.D. 9 B 4-11

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		NON-CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 1/2	22 1/2
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN 1/4".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

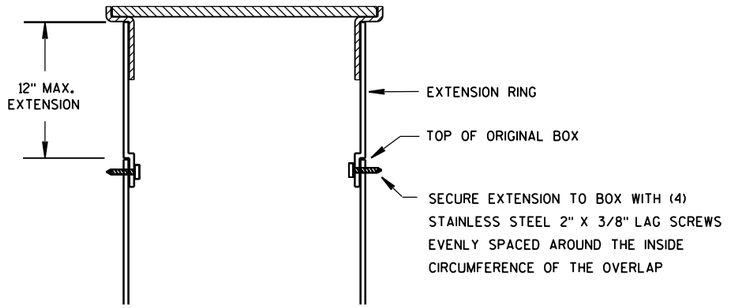
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

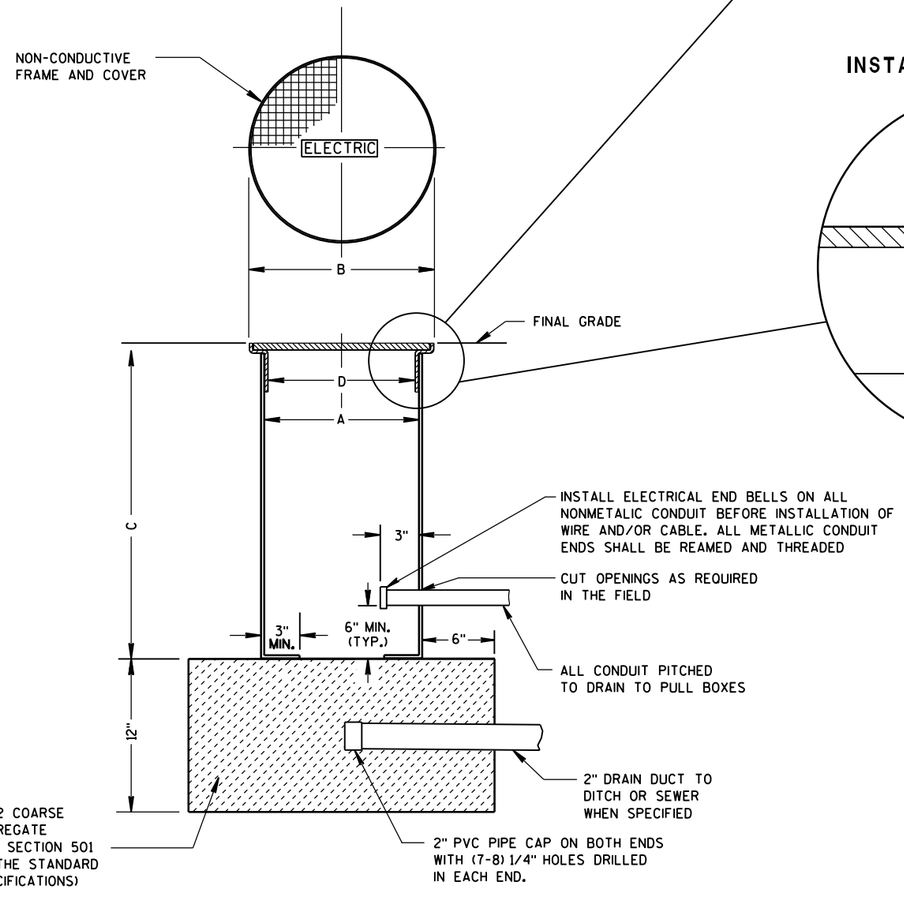
ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.

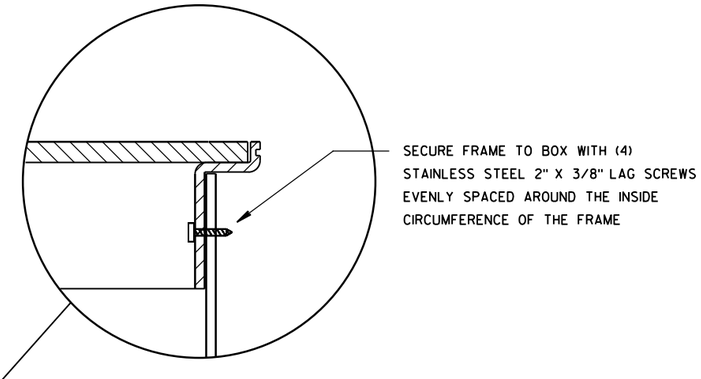


BOX EXTENSION

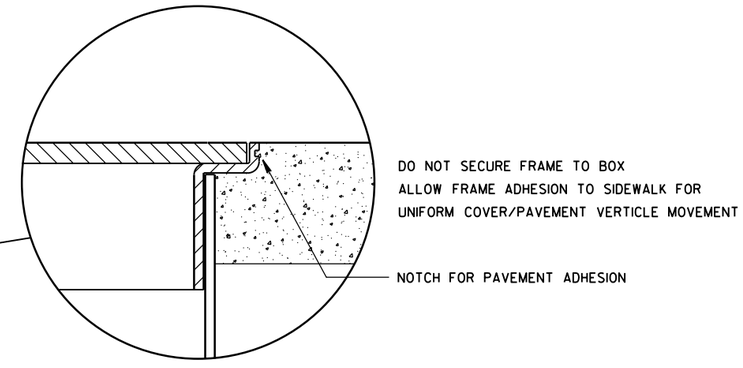


NON-CONDUCTIVE PULL BOX

INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



PULL BOX NON-CONDUCTIVE

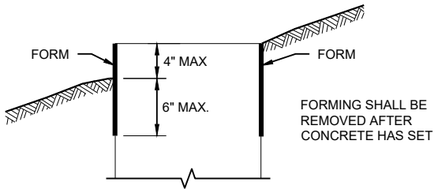
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 B 16-1

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWINGSHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

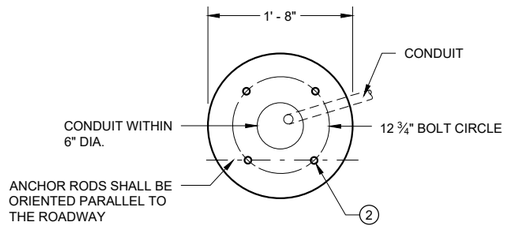
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

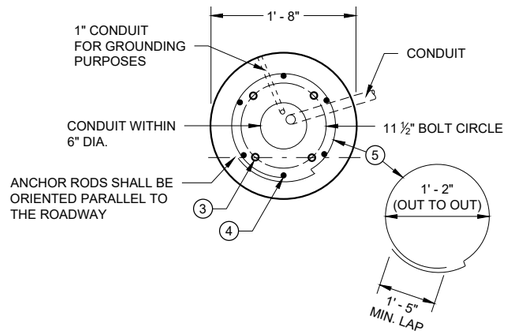
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

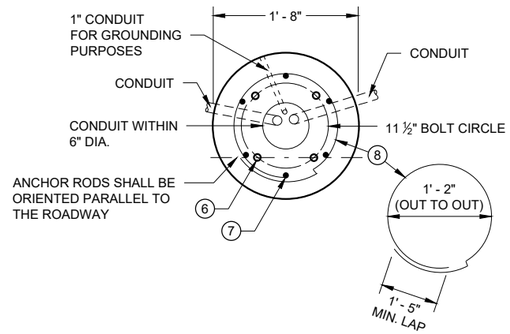
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







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

2 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

3 (4) 1" DIA. X 5' - 0" ANCHOR RODS.

4 (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

5 (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

6 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

7 (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

8 (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

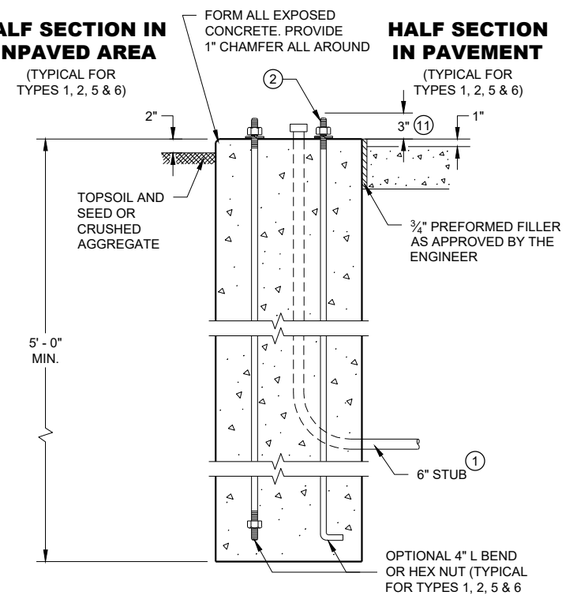
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

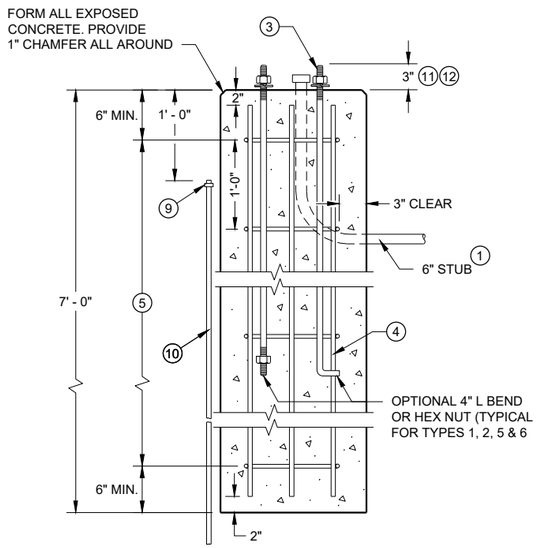
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

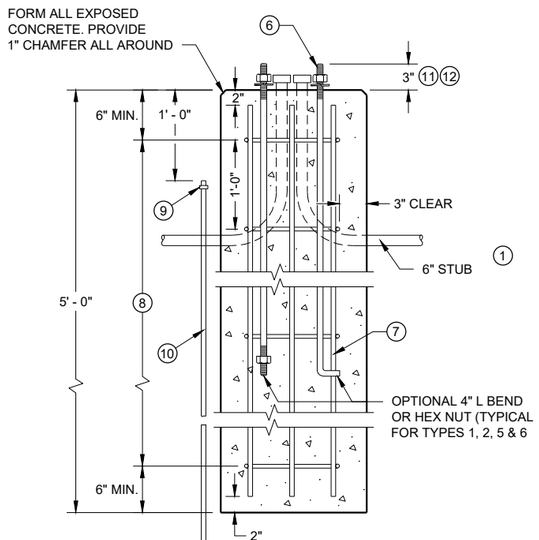
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



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 647
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.

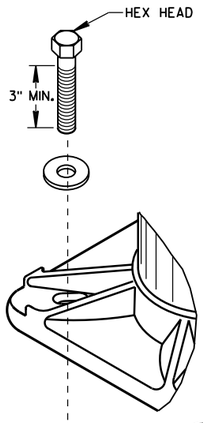
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

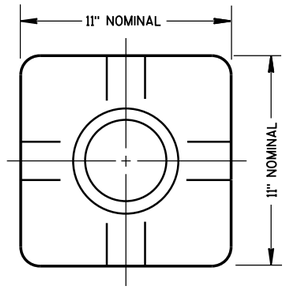
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

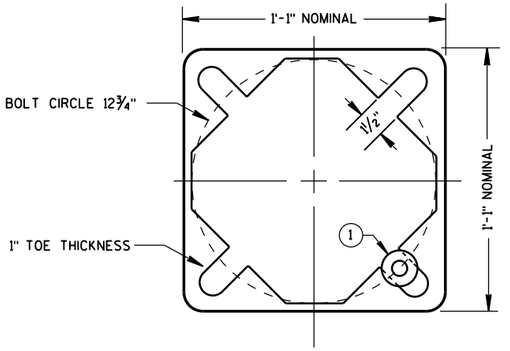
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

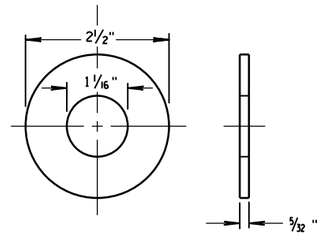




TOP VIEW
(PEDESTAL BASE)

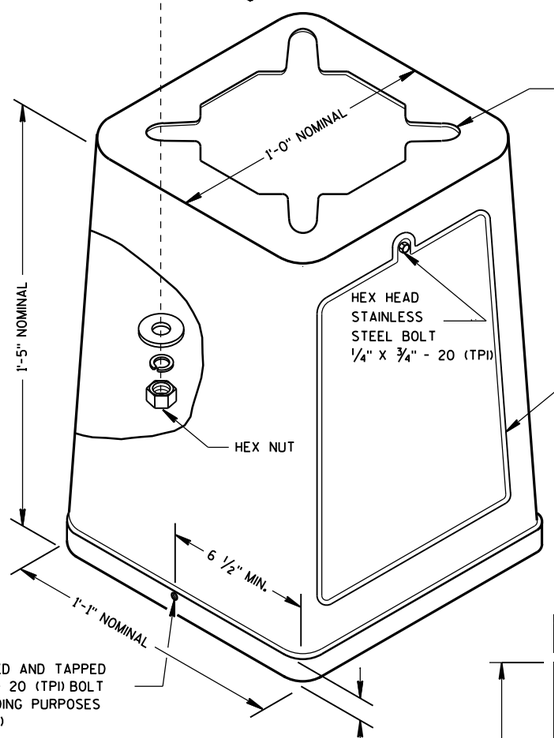


BOTTOM VIEW
(PEDESTAL BASE)

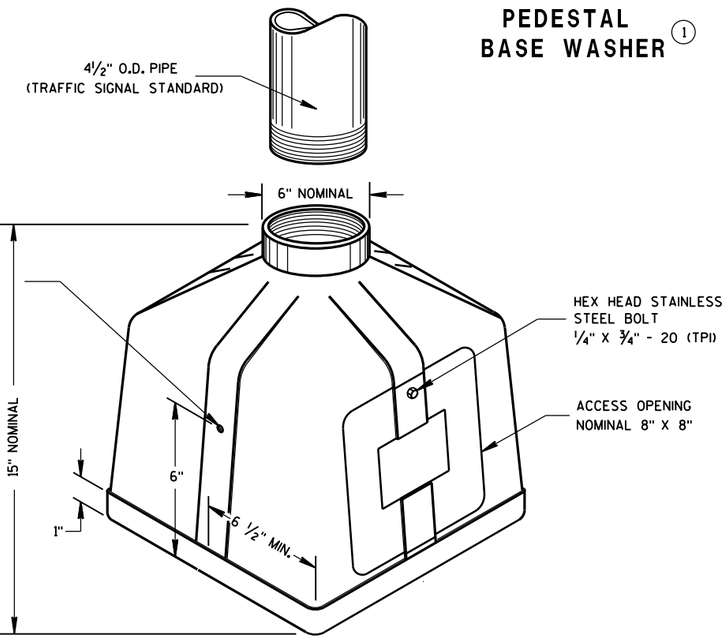


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

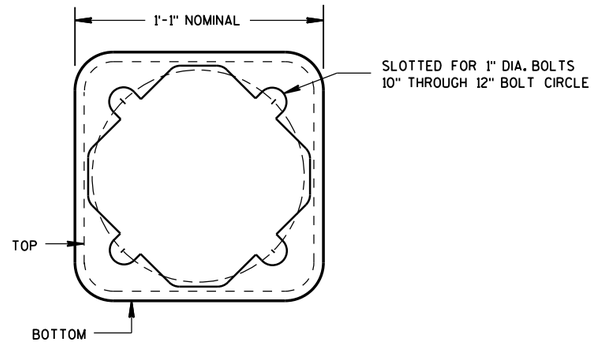


ISOMETRIC VIEW

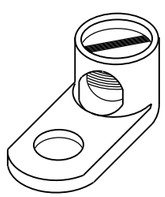


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

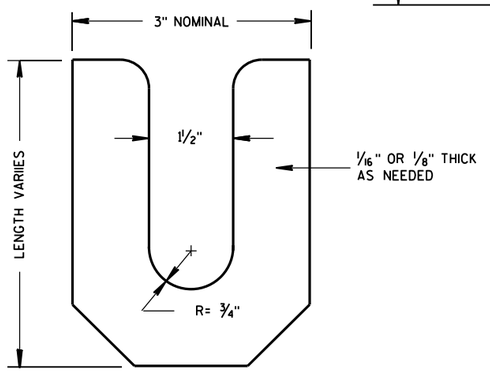


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

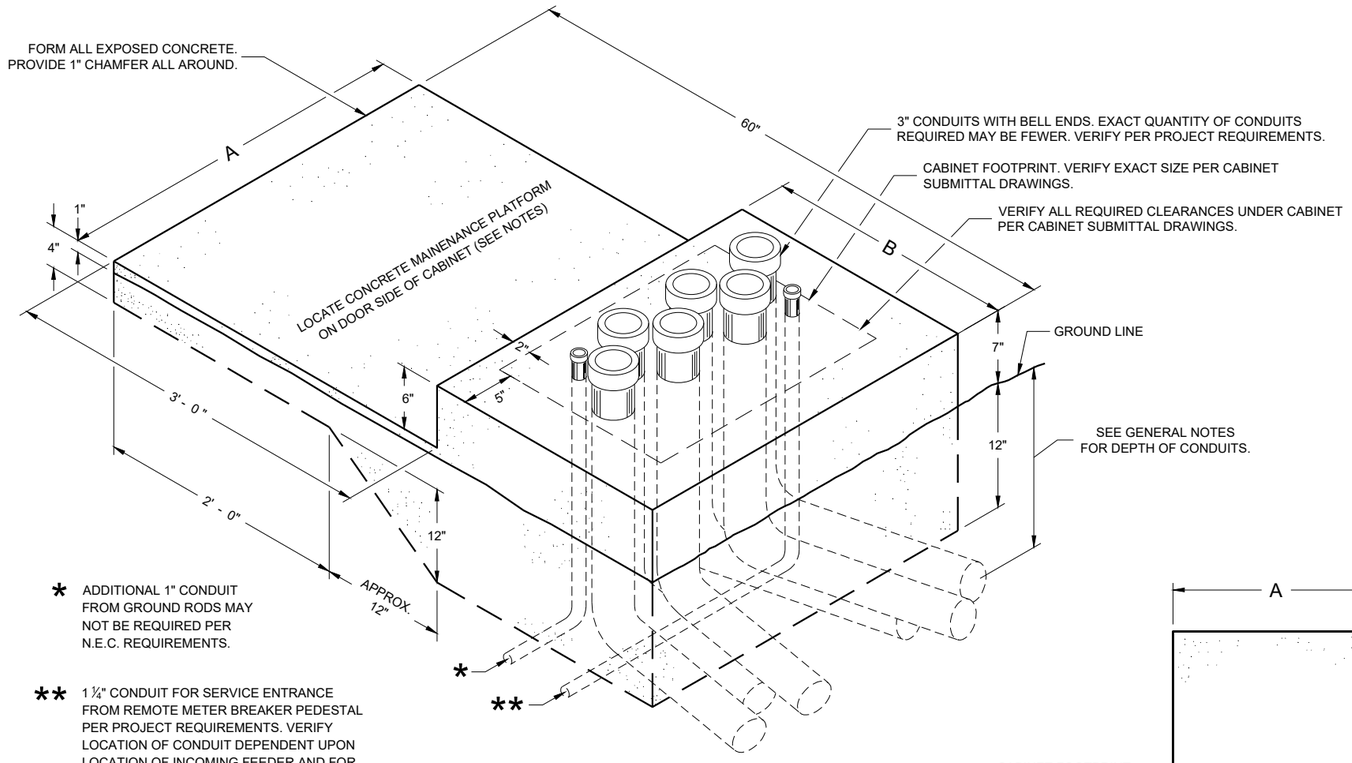
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
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* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

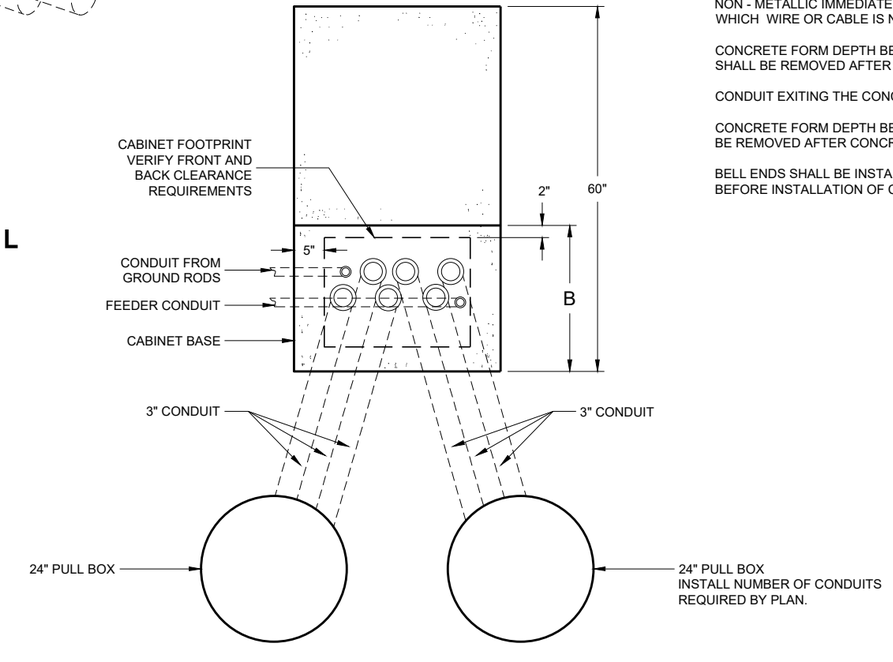
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS UNLESS DETERMINED BY THE ENGINEER IN THE FIELD.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCH MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE L

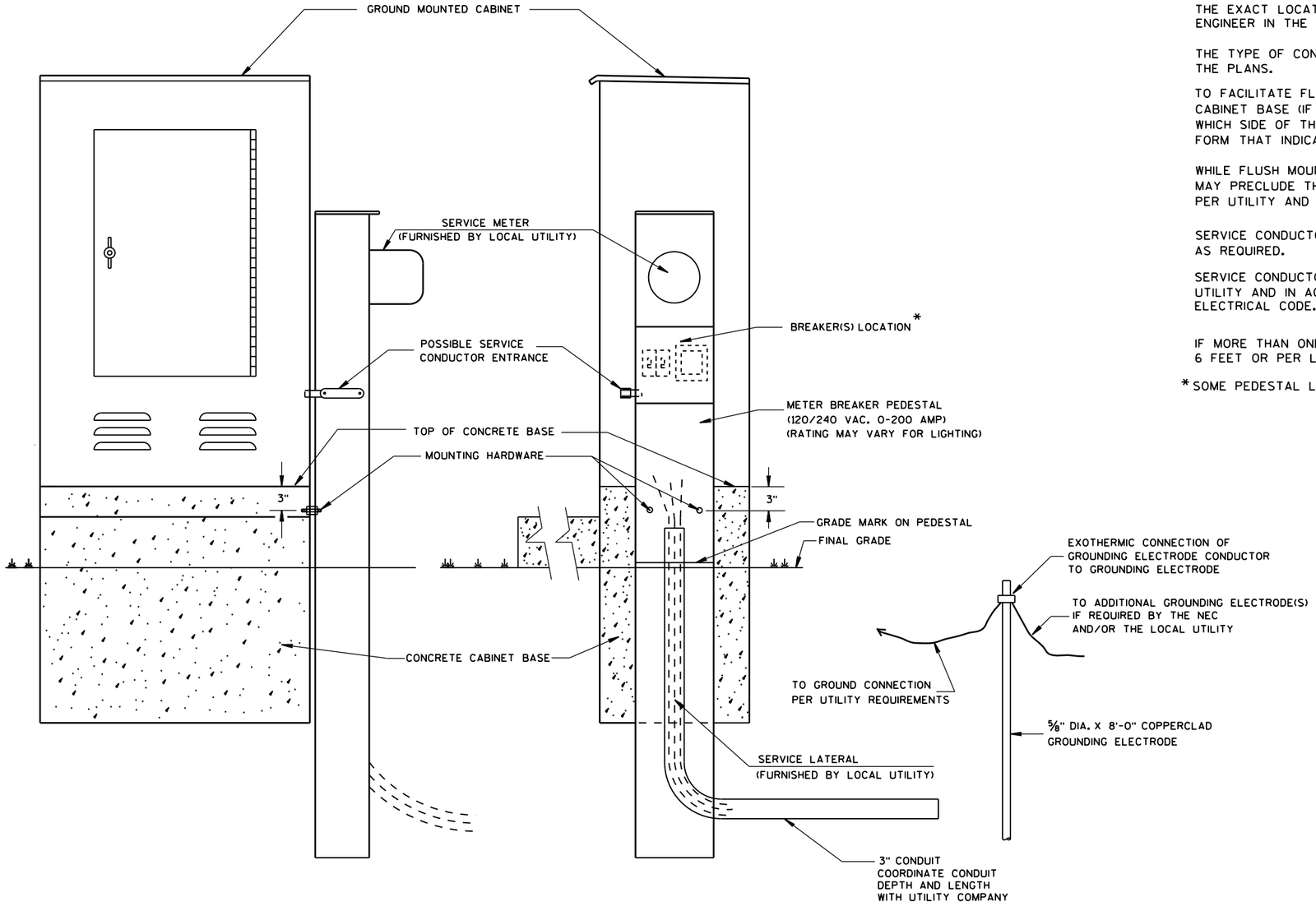
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 649

FHWA

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SDD 09C14 - 03



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

*SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

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CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

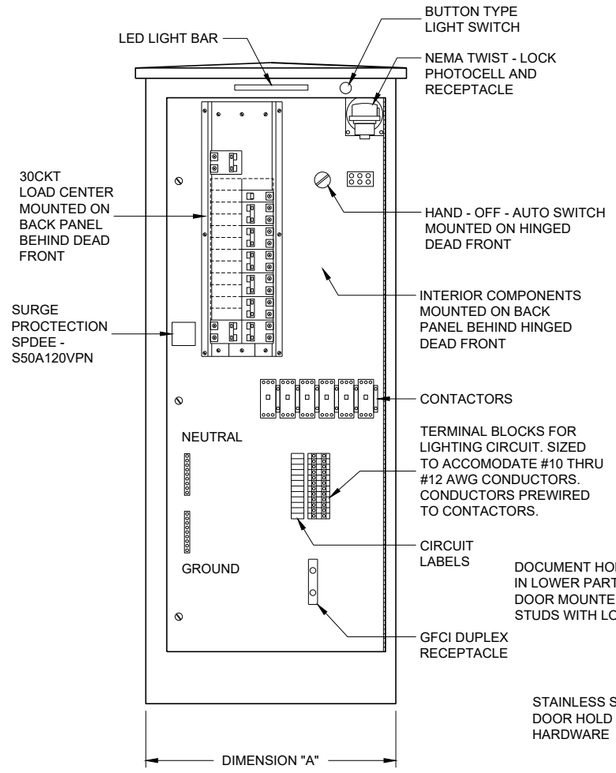
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

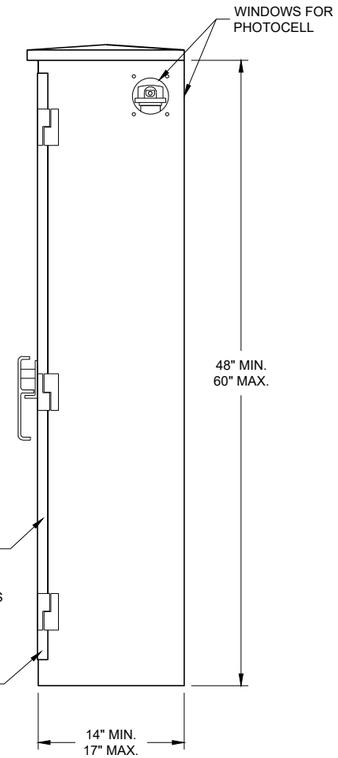
/S/ Ahmet Demirbilek
STATE ELECTRICAL 650

FHWA

FRONT INTERIOR ELEVATION



SIDE VIEW



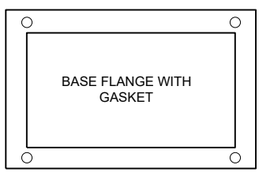
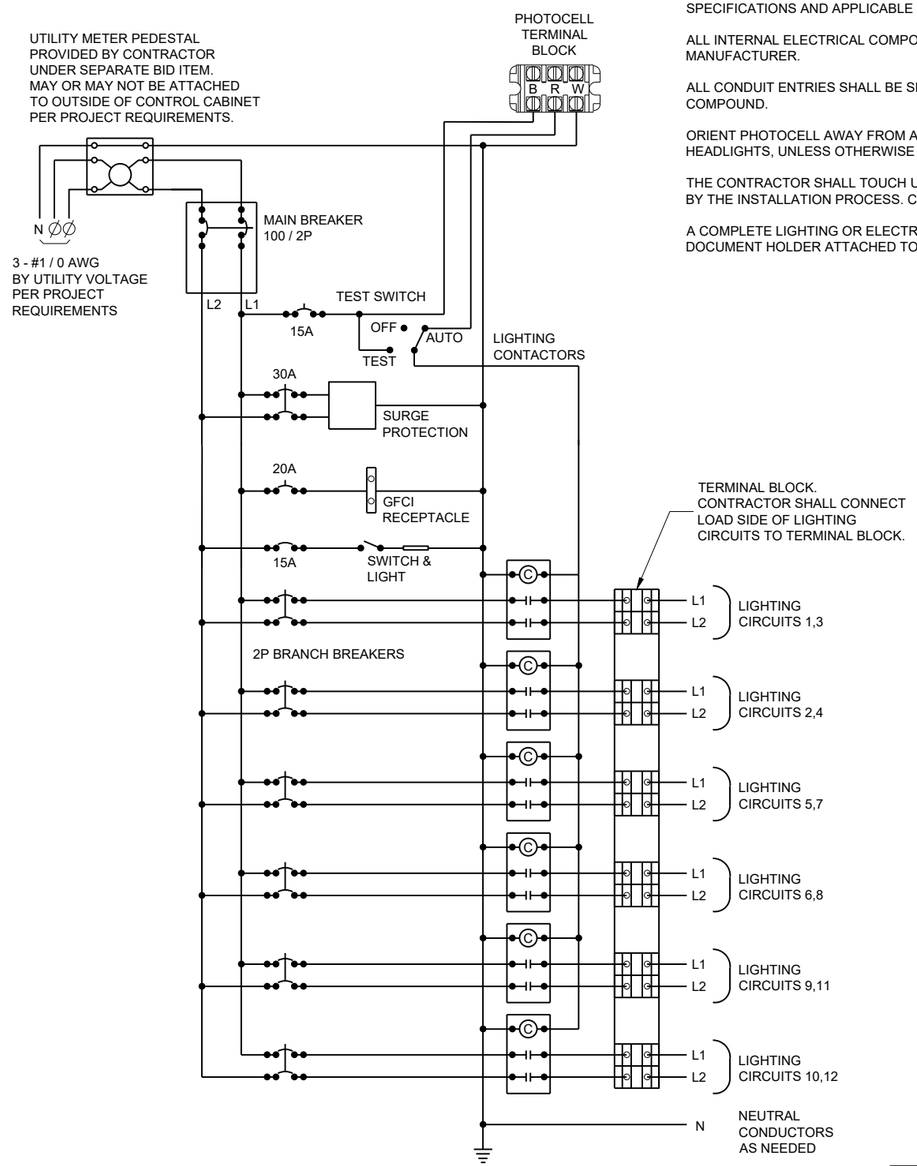


TABLE OF DIMENSIONS (INCHES)		
CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

LIGHTING CONTROL CABINET



CONTROL CABINET SCHEMATIC

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.

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE - WIRED BY THE CABINENT MANUFACTURER.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS, UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISION.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

LIGHTING CONTROL CABINET
120 / 240 VOLT

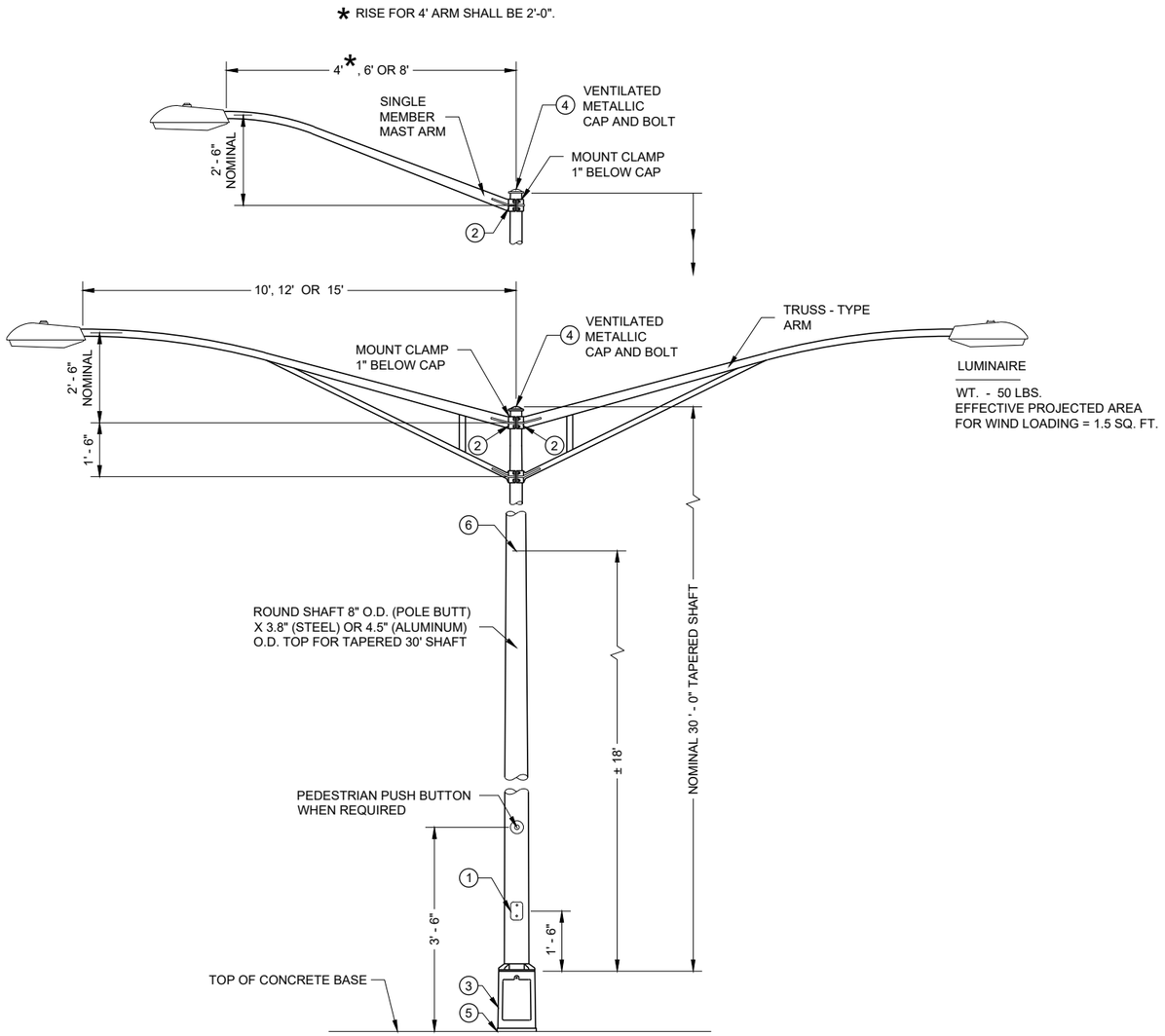
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 651

FHWA

6
SDD 09D04 - 03



TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.1888".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

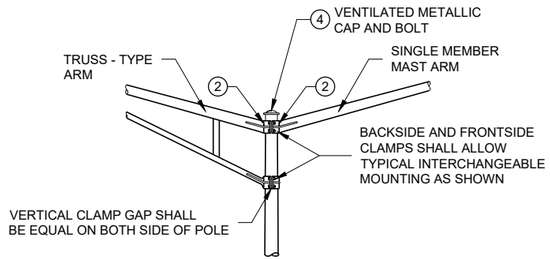
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.



INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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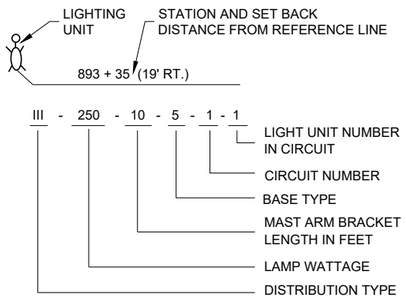
SDD 09E01 - 15d

GENERAL NOTES

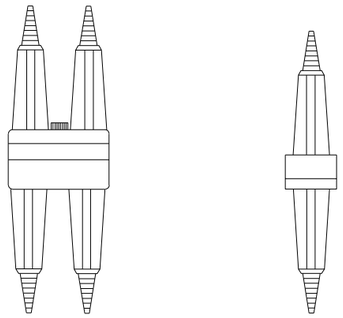
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

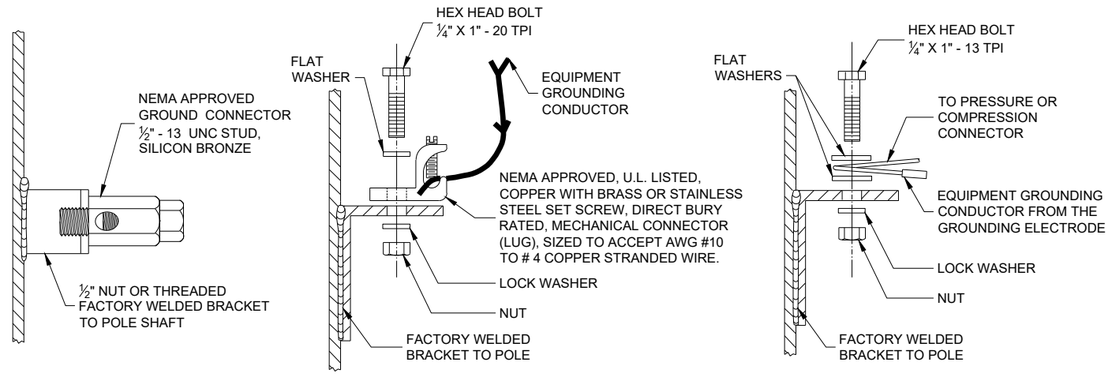


LIGHTING UNIT CODE
(TYPICAL)

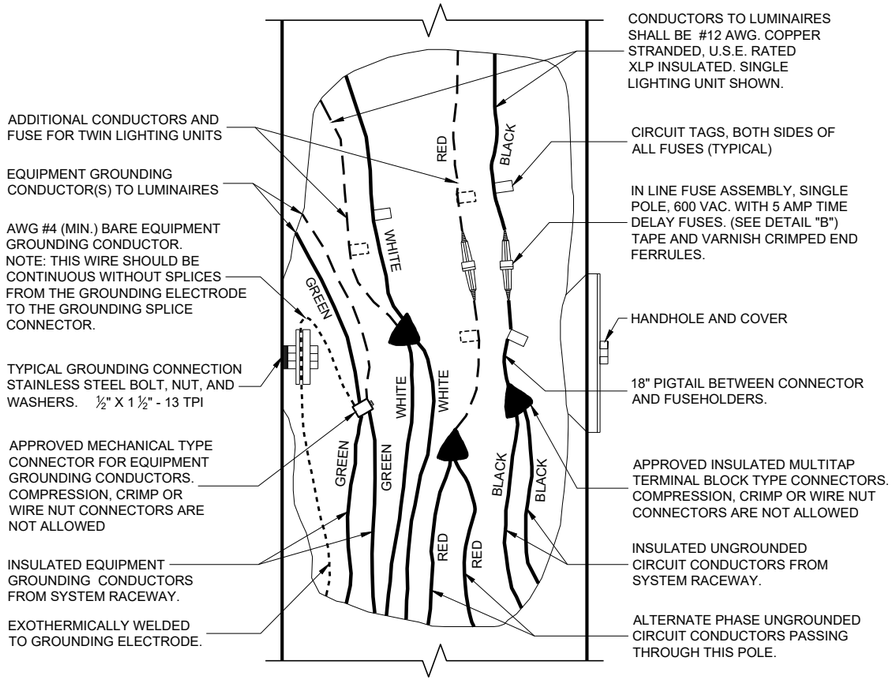


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

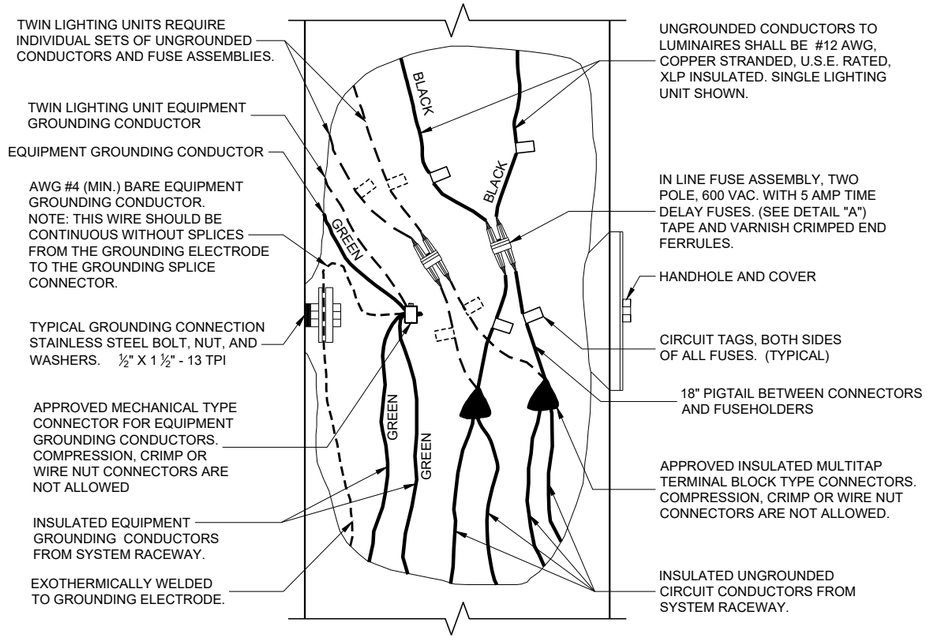
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

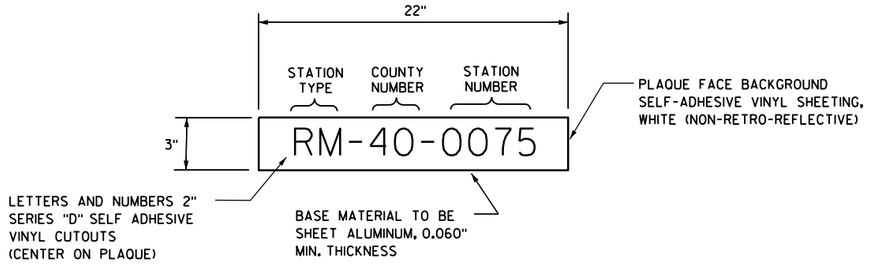
NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

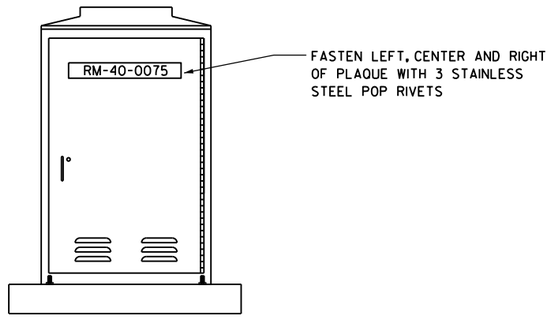
APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 653

FHWA

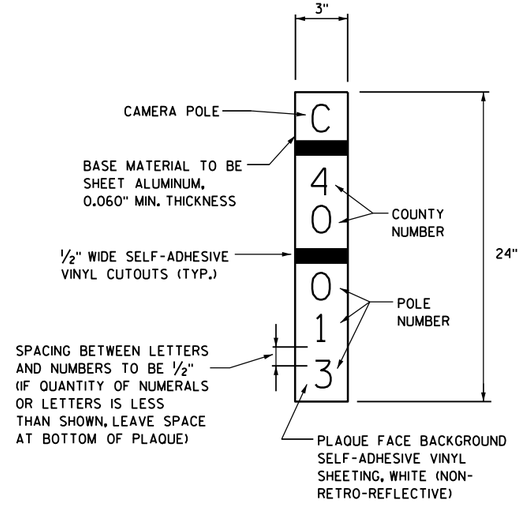


CONTROL CABINET IDENTIFICATION PLAQUE DETAIL

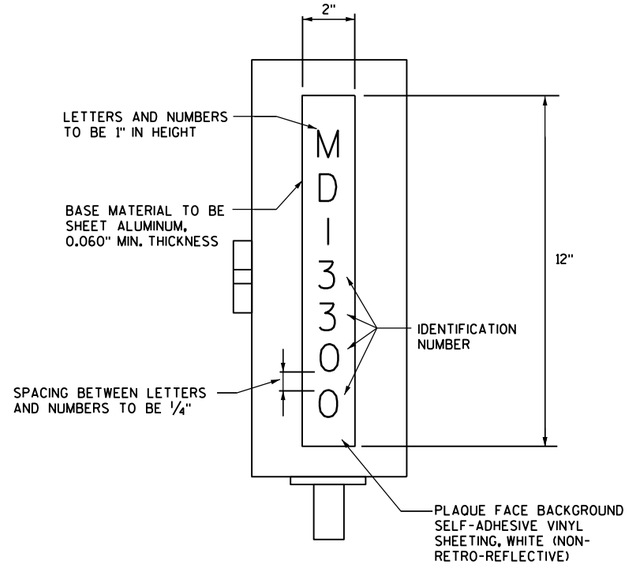


CONTROL CABINET IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS

(TYPICAL ALL CONTROL CABINETS)



POLE IDENTIFICATION PLAQUE DETAIL



MICROWAVE DETECTOR FIELD CABINET IDENTIFICATION PLAQUE DETAIL

GENERAL NOTES

1. TWO PLAQUES PER CABINET REQUIRED ON CONTROL CABINET.
2. FASTEN ONE PLAQUE ON FRONT DOOR, UPPER HALF.
3. FASTEN ONE PLAQUE ON SIDE FACING LOCAL STREET. IF NO LOCAL STREET NEARBY, OR IF SUCH LOCATION COINCIDES WITH LOCATION OF PLAQUE IN NOTE (2), FASTEN PLAQUE ON REAR OF CABINET, UPPER HALF.
4. COUNTY NUMBER NOT REQUIRED ON RAMP METER CABINETS.

LEGEND STATION TYPE

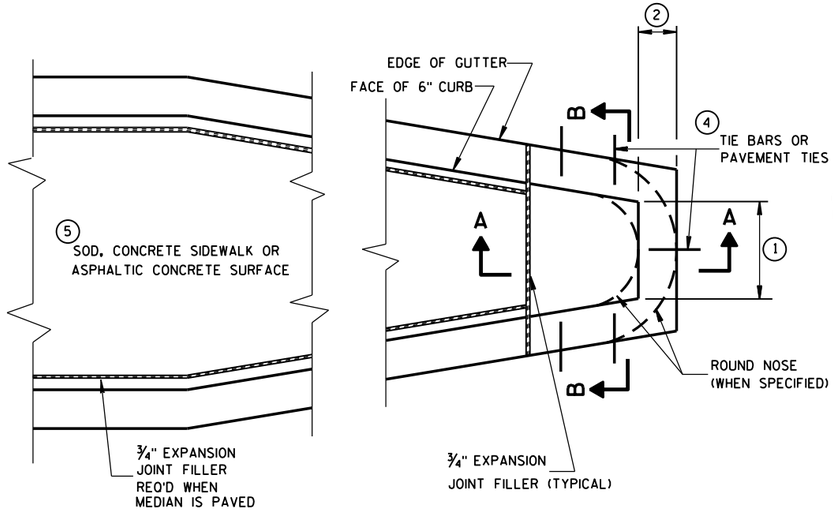
RM - RAMP METER
CCTV - CLOSED CIRCUIT TELEVISION
ATR - AUTOMATIC TRAFFIC RECORDER
SDS - SYSTEM DETECTOR STATION
MD - MICROWAVE DETECTOR

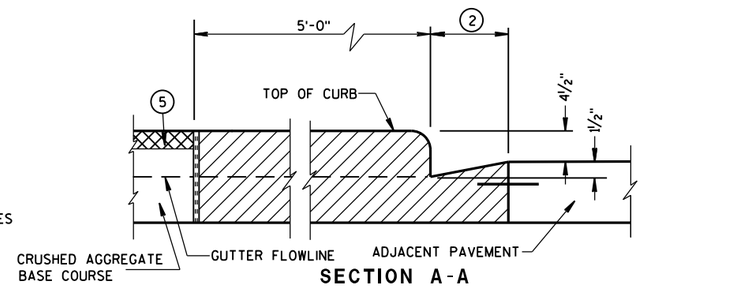
IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS

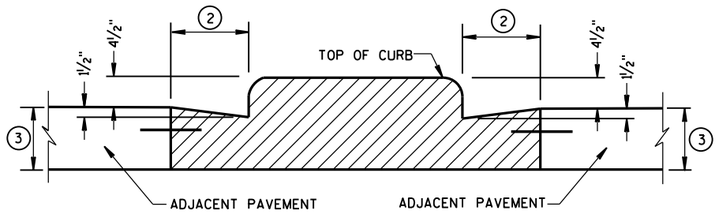
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demribilek — STATE ELECTRICAL 654
FHWA

6
S.D.D. 9 H 11-1







CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

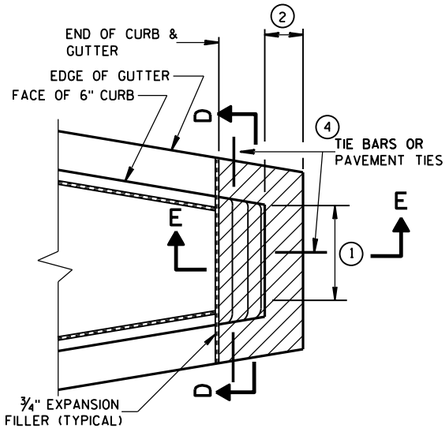
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

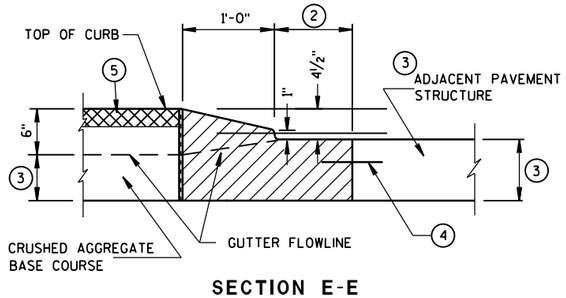
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

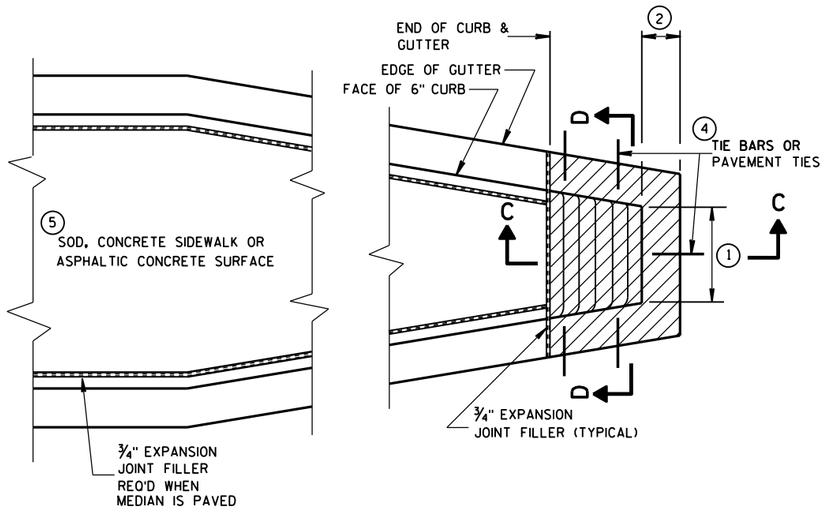
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

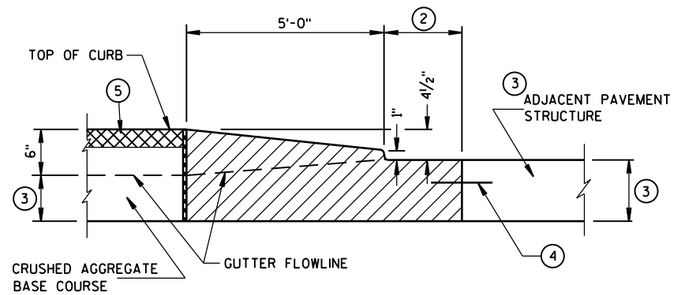




SECTION E-E

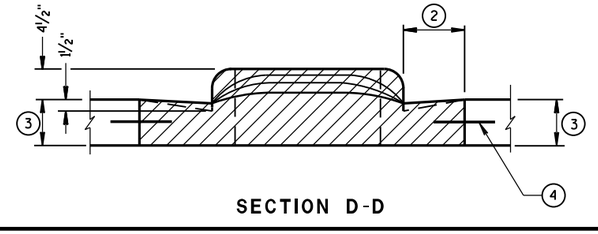
CONCRETE MEDIAN SLOPED NOSE TYPE 2





SECTION C-C

CONCRETE MEDIAN SLOPED NOSE TYPE 1



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

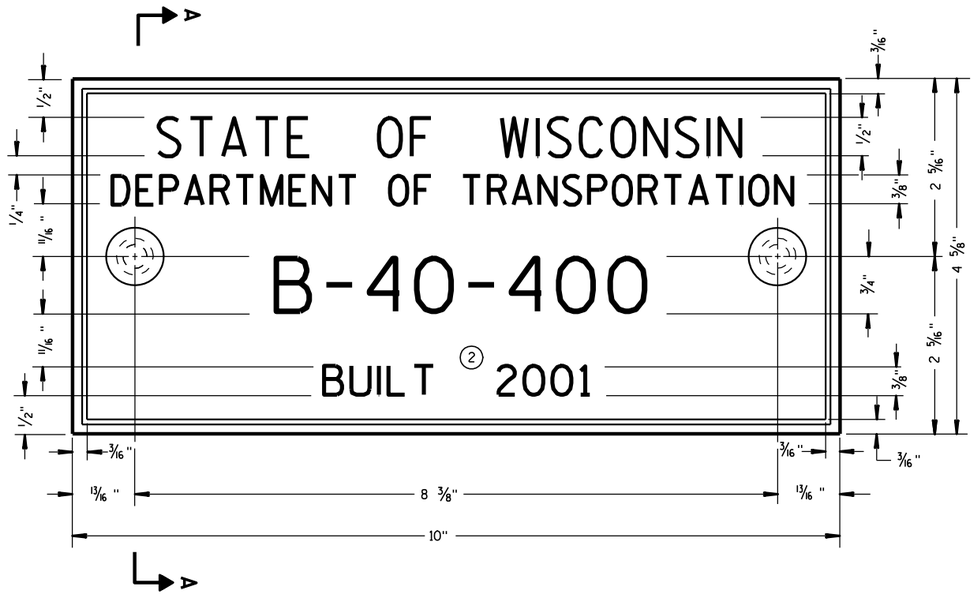
APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
655
FHWA

6

S.D.D. 11 B 2-2

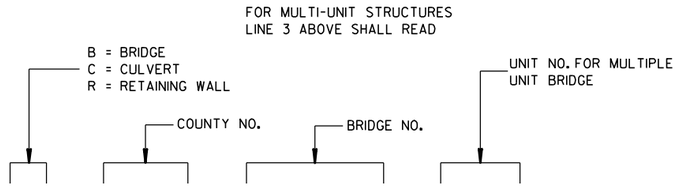
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S.D.D. 11 B 2-2



TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES

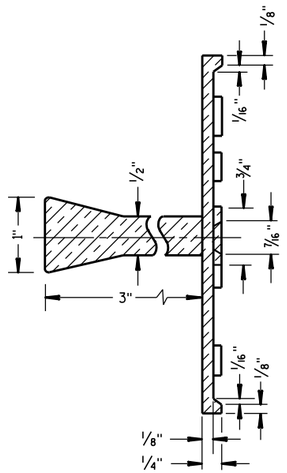
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

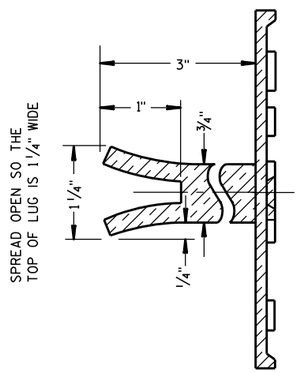
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

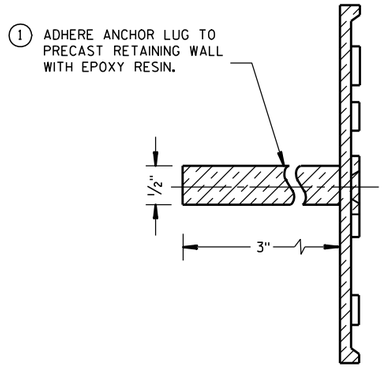
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

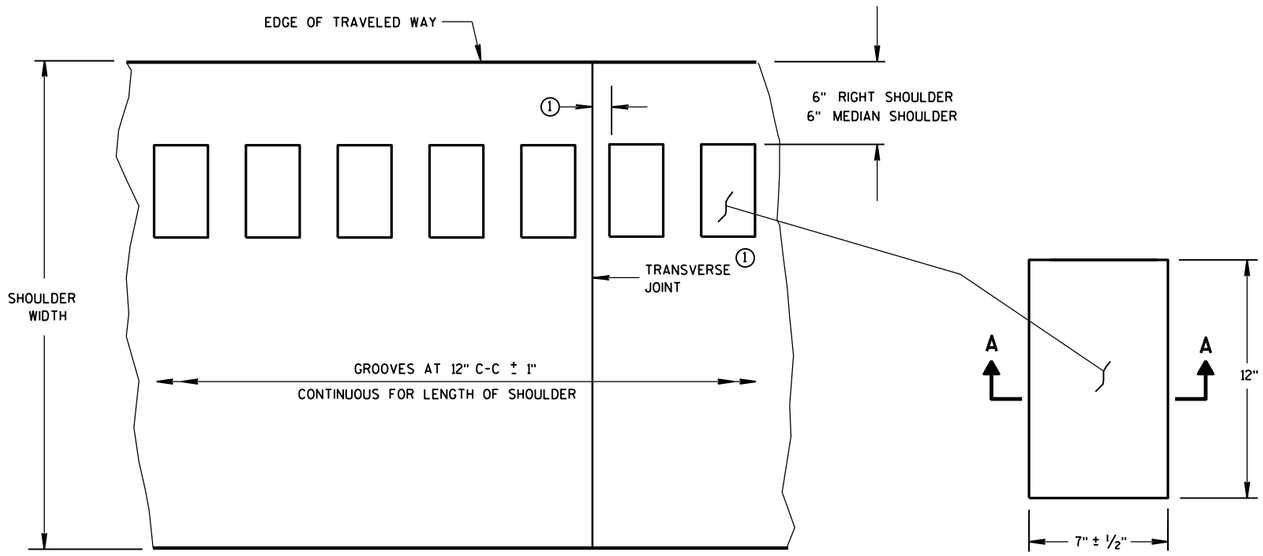
3/26/10 DATE — /S/ Scot Beck — CHIEF STRUCTURAL DEVELOPMENT ENGINEER

FHWA

656

6

S.D.D. 12 A 3-10



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR MILLED RUMBLE STRIP

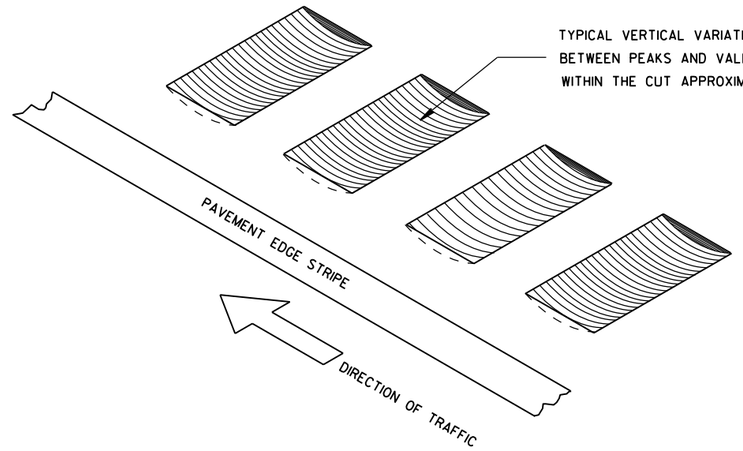
GENERAL NOTES

DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

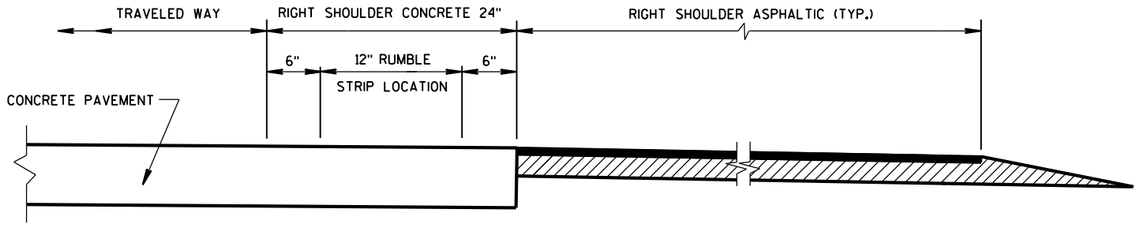
RUMBLE STRIPS ON EXPRESSWAYS

DO NOT INSTALL RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIAL DRIVEWAYS, PRIVATE DRIVEWAYS OR ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES, TURN LANE TAPERS, BRIDGE DECKS, BRIDGE APPROACHES, OR 100 FEET IN ADVANCE OF RAILROAD CROSSING. THE ATTACHED STANDARD DETAIL DRAWING SHOWS THE LOCATION OF THE RUMBLE STRIPS AT INTERCHANGE AREAS.

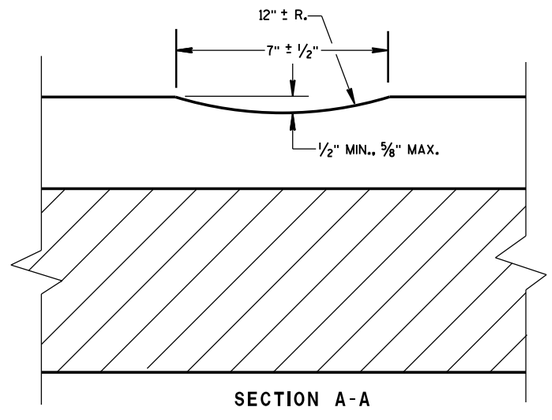
(1) CONCRETE PAVEMENT - RUMBLE STRIPS SHALL BE A MINIMUM OF 6" AWAY FROM TRANSVERSE JOINTS.



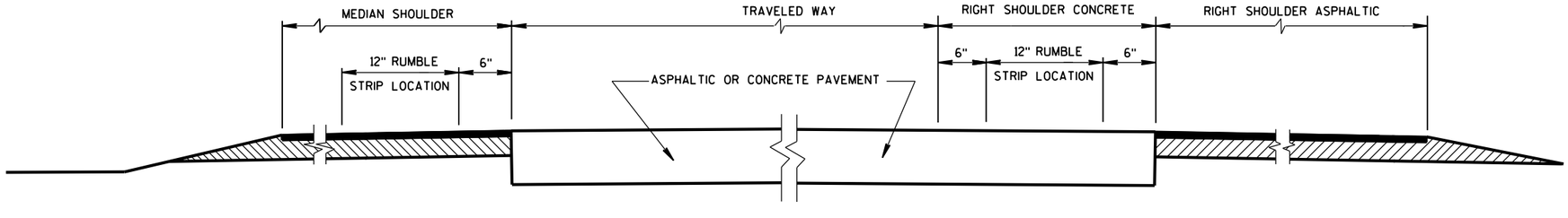
ISOMETRIC



SECTION VIEW
CONCRETE PAVEMENT EXTENDS INTO RIGHT SHOULDER)



SECTION A-A



SECTION VIEW

TYPICAL LOCATIONS OF SHOULDER RUMBLE STRIPS IN RURAL DIVIDED HIGHWAYS

(ONE ROADWAY IS SHOWN)

SHOULDER RUMBLE STRIP, MILLING

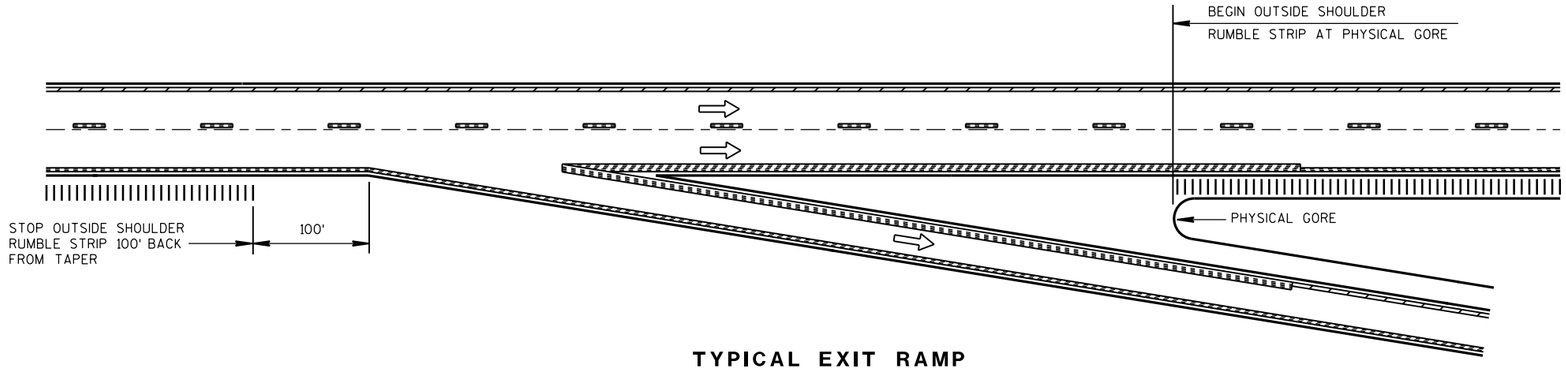
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 13 A 5-5a

6

S.D.D. 13 A 5-5a



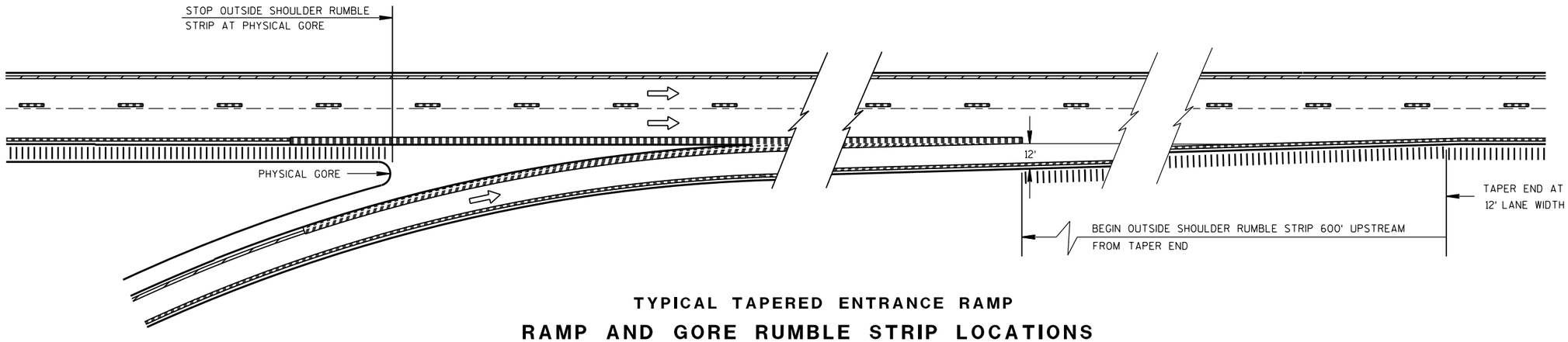
TYPICAL EXIT RAMP

NOTES:

NO RUMBLE STRIP ON EXIT, DIRECTIONAL, OR ENTRANCE RAMPS, EXCEPT NEAR THE ENTRANCE TAPER END AND ALONG THE PARALLEL RAMP AREA AS SHOWN.

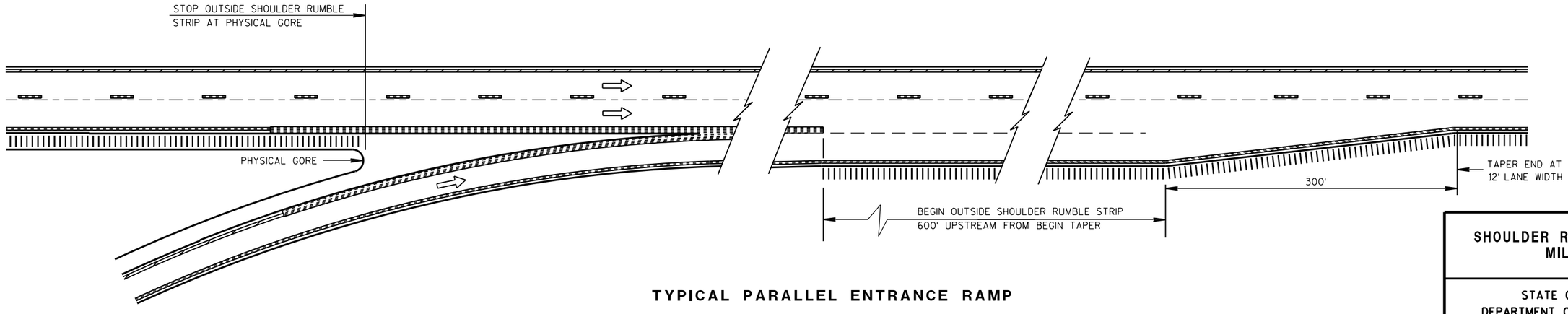
PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL



TYPICAL TAPERED ENTRANCE RAMP

RAMP AND GORE RUMBLE STRIP LOCATIONS



TYPICAL PARALLEL ENTRANCE RAMP

RAMP AND GORE RUMBLE STRIP LOCATIONS

SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

12/17/2012
DATE

/S/ Jerry H. Zoga
ROADWAY STANDARDS ENGINEER

FHWA

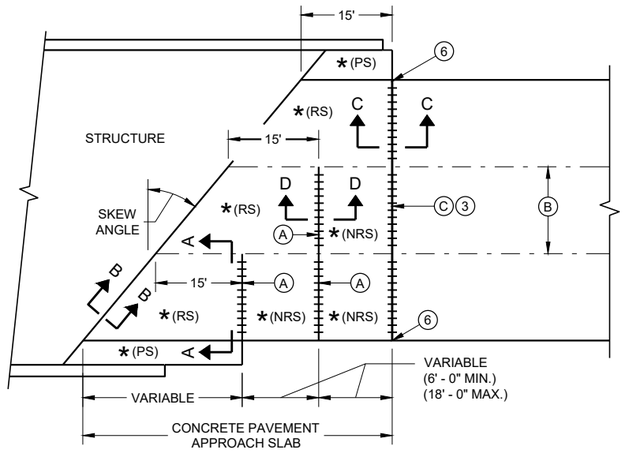
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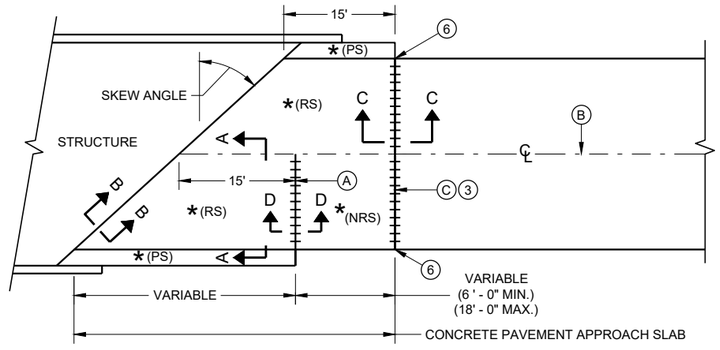
S.D.D. 13 A 5-5b

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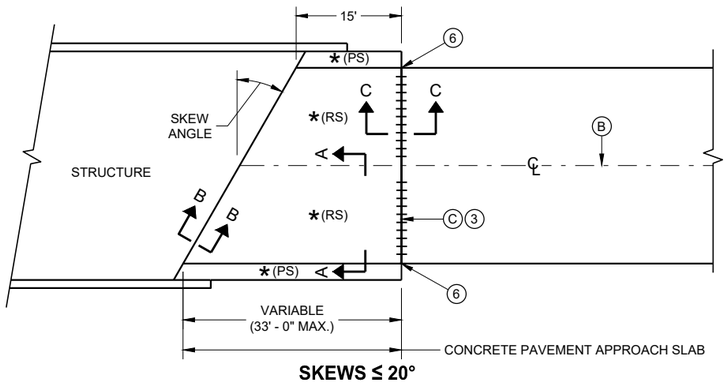
S.D.D. 13 A 5-5b



SKEWED APPROACH
(PAVEMENT MORE THAN TWO LANES)



SKEWS > 20°
(PAVEMENT WIDTH ≤ 30')



SKEWS ≤ 20°
(PAVEMENT WIDTH ≤ 30')

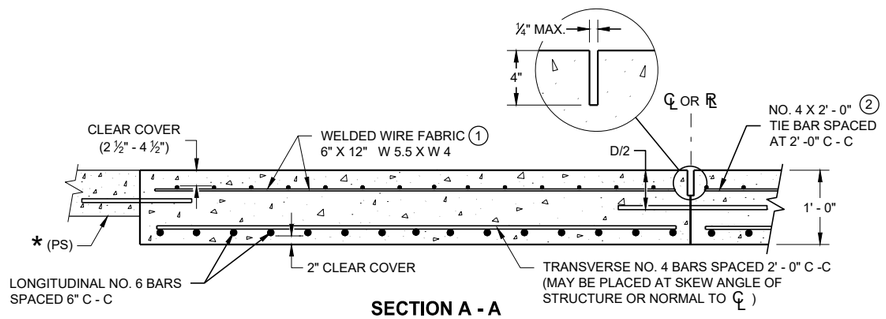
APPROACH SLAB AND ADJACENT PAVEMENT

* (RS) = REINFORCED CONCRETE SLAB

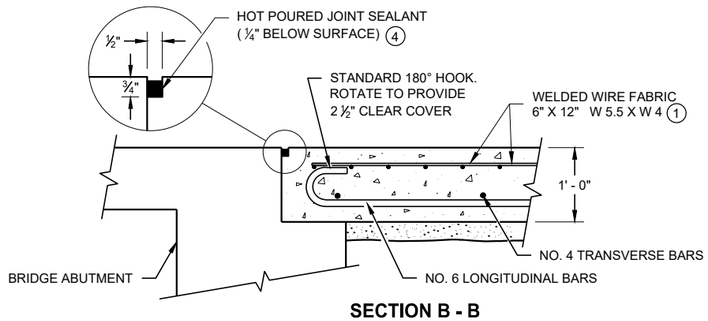
* (PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB

* (NRS) - NON - REINFORCED CONCRETE SLAB

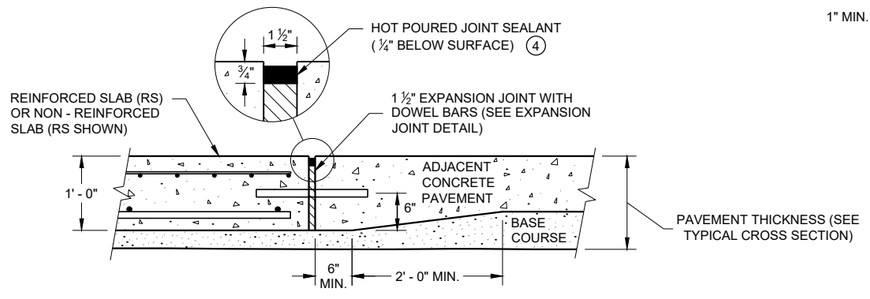
*** STANDARD DOWEL BAR DIAMETER (SEE SDD 13C11 AND SDD 13C13)



SECTION A - A
REINFORCEMENT POSITIONING DETAIL



SECTION B - B
BEND DETAIL
BOTTOM REINFORCEMENT



SECTION C - C
TRANSITION DETAIL
APPROACH SLAB TO ADJACENT PAVEMENT

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 CONFORMING TO STANDARD SPECIFICATION 415.2.6.

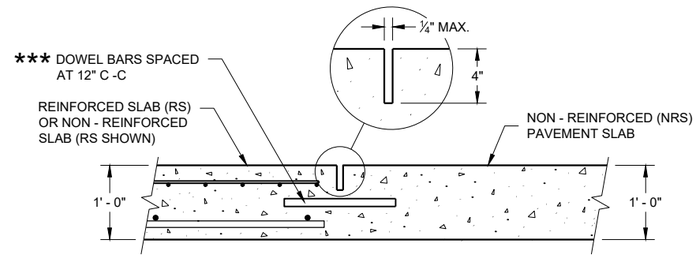
(5) PLACE EXPANSION CAP ON THE END OF THE DOWEL THAT IS NOT TACK WELDED TO THE BASKET. DO NOT FORCE DOWEL BAR PAST THE DOWEL STOP.

(6) EXTEND EXPANSION JOINT THROUGH ANY ADJACENT TIED CONCRETE.

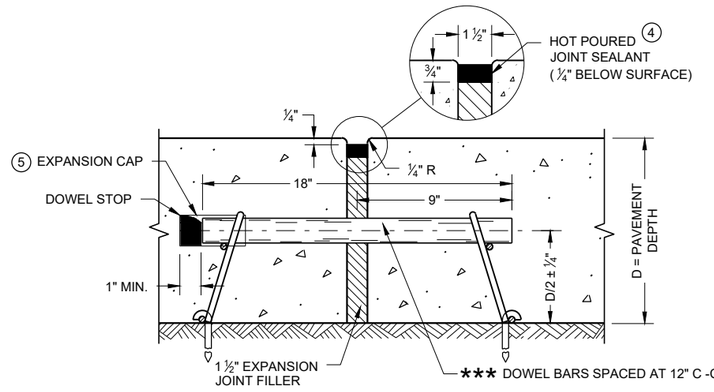
(A) STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℞.

(B) STANDARD LONGITUDINAL JOINT WITH TIE BARS.

(C) 1 ½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℞ .



SECTION D - D
CONTRACTION JOINT



EXPANSION JOINT DETAIL

CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp, P.E.
PAVEMENT SUPERVIS

659

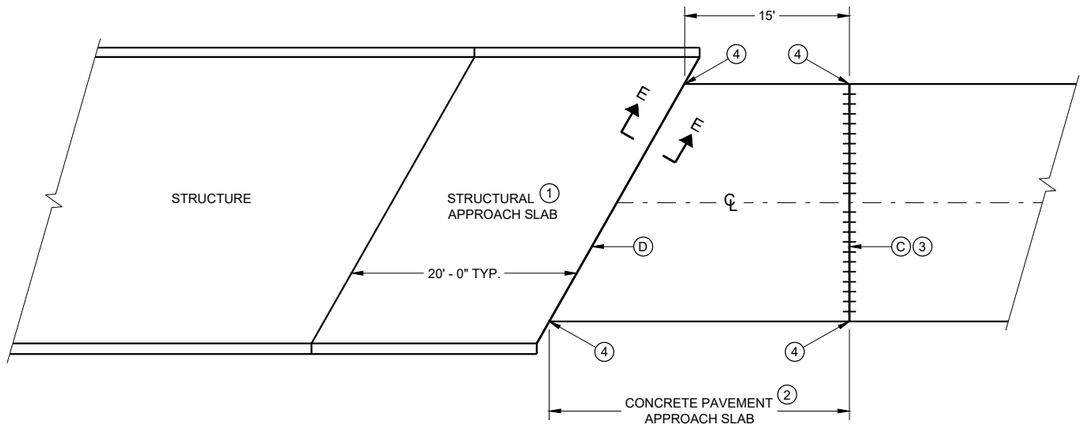
FHWA

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SDD 13B02 - 09a

6

SDD 13B02 - 09a



BRIDGE APPROACHES

GENERAL NOTES

ALL PROJECTS THAT INVOLVE A STRUCTURAL APPROACH SLAB WILL ALSO HAVE A CONCRETE PAVEMENT APPROACH SLAB.

(1) SEE BRIDGE PLAN.

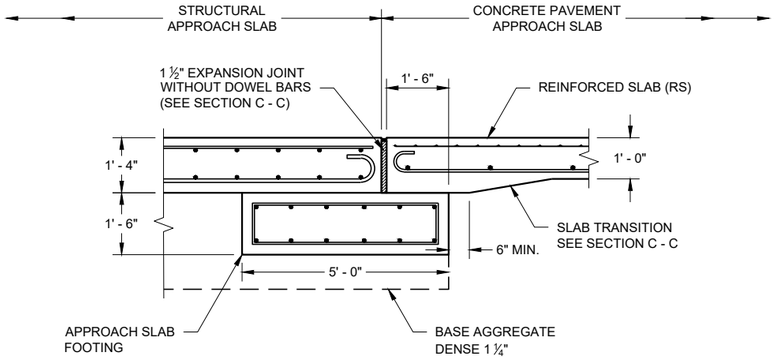
(2) CONFORM TO SDD 13B02 SHEET A FOR CONCRETE PAVEMENT APPROACH SLAB DETAILS

(3) DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

(4) EXTEND EXPANSION JOINT THROUGH ANY ADJACENT TIED CONCRETE.

(C) 1 ½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℞.

(D) 1 ½" EXPANSION JOINT (NO DOWELS)



SECTION E - E
FOOTING DETAIL
STRUCTURAL APPROACH SLAB TO CONCRETE BRIDGE APPROACH

STRUCTURAL APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

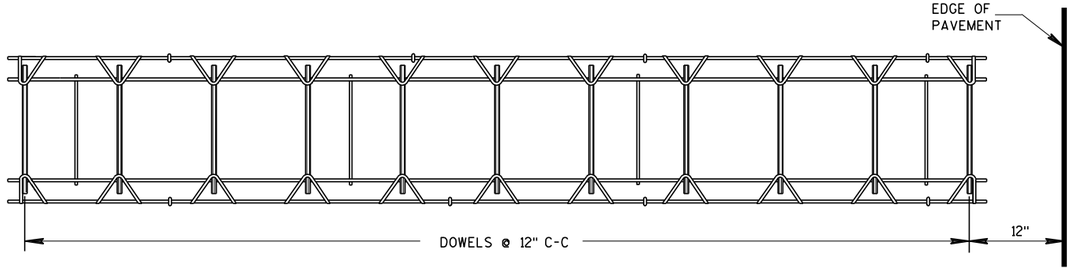
/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

660

FHWA

6

SDD 13B02 - 09b

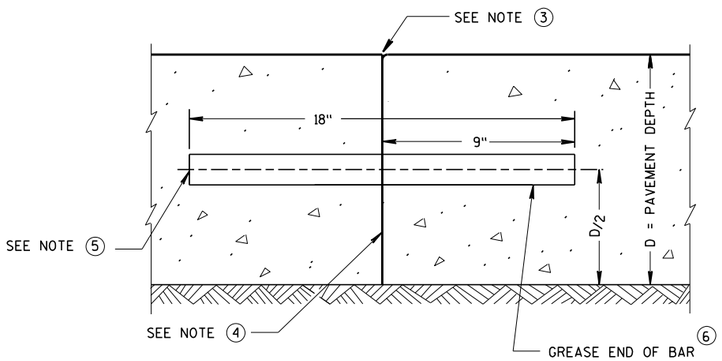


PLAN VIEW

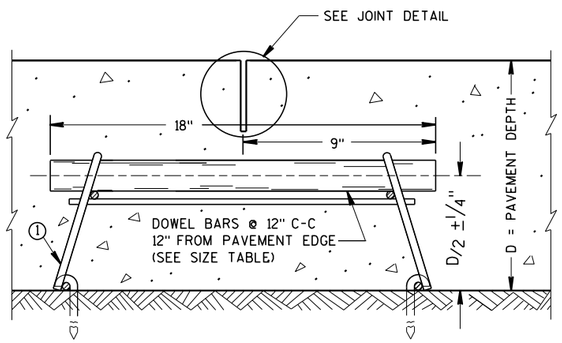


SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY ①



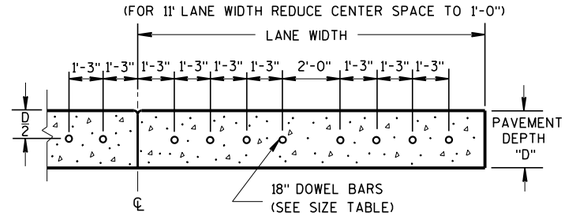
TRANSVERSE CONSTRUCTION JOINT



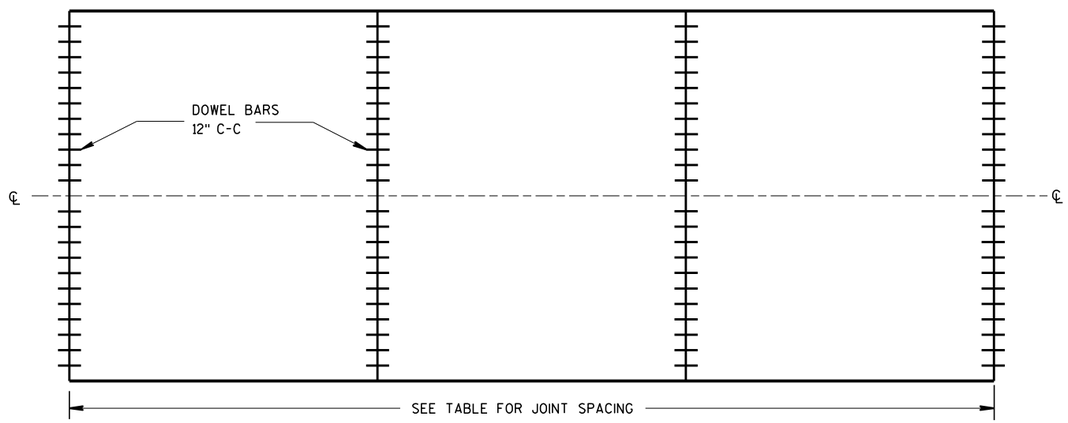
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦



CONTRACTION JOINT LOCATIONS

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.

② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

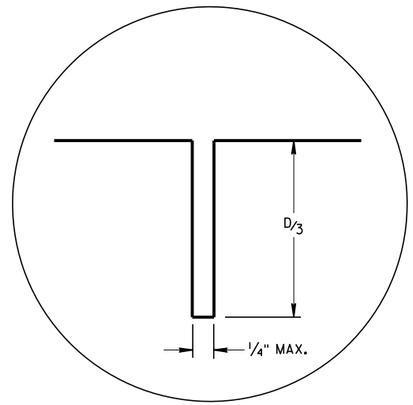
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

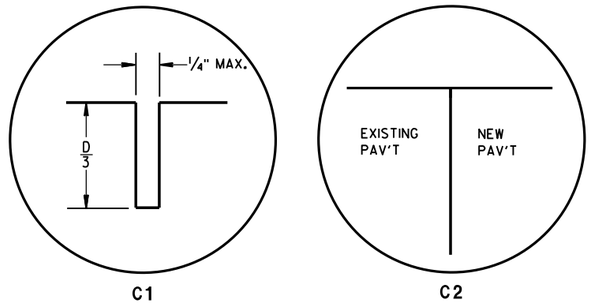
APPROVED
March 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUP 661

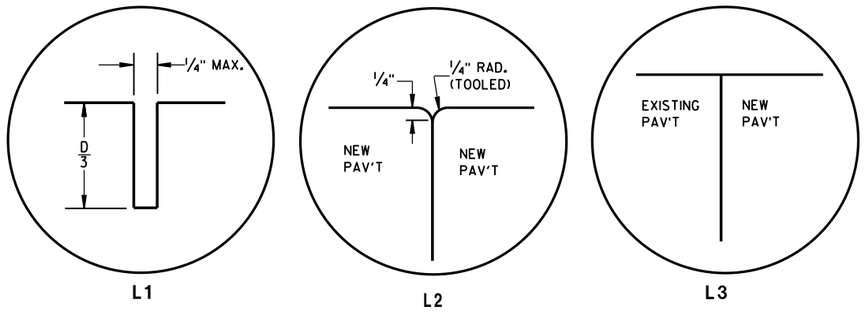
FHWA

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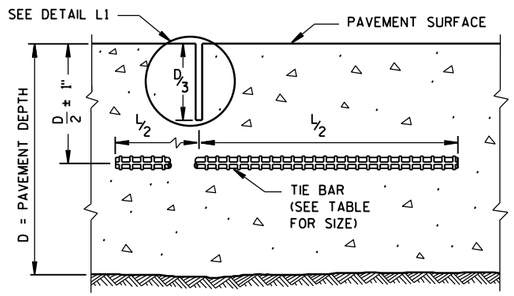
S.D.D. 13 C 13-9



TRANSVERSE JOINTS

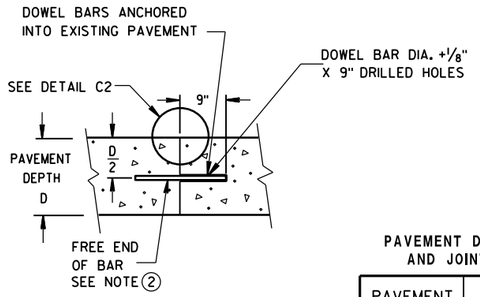


LONGITUDINAL JOINTS



SECTION C-C

SAWED JOINT



SECTION D-D

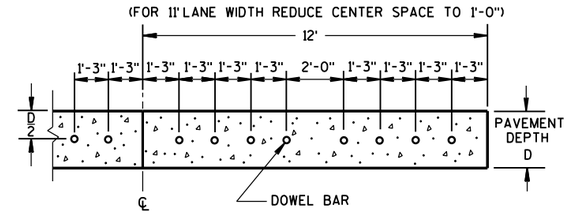
GENERAL NOTES

ANCHOR TIE BARS AND DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY.

PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM AN EXISTING TRANSVERSE JOINT OR THE EDGE OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

(2) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.



SECTION E-E

SPACING OF DOWEL BARS ANCHORED INTO EXISTING PAVEMENT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

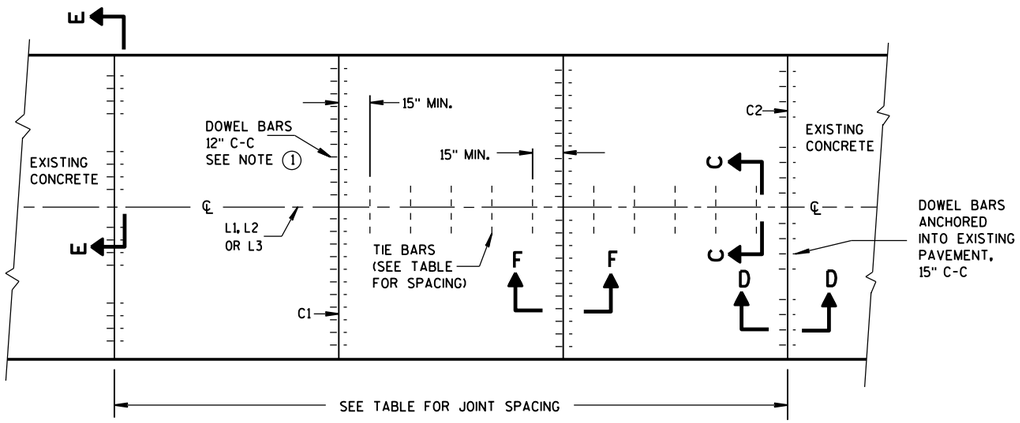
PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5½", 6, 6 ½"	NONE	12'
7, 7 ½"	1"	14'
8, 8 ½"	1 ¼"	15'
9, 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

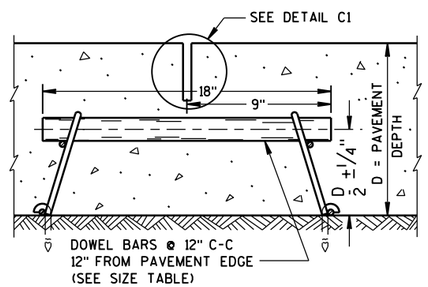
* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW

CONCRETE BASE CONTRACTION JOINT LOCATIONS



SECTION F-F

CONTRACTION JOINT

CONCRETE BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

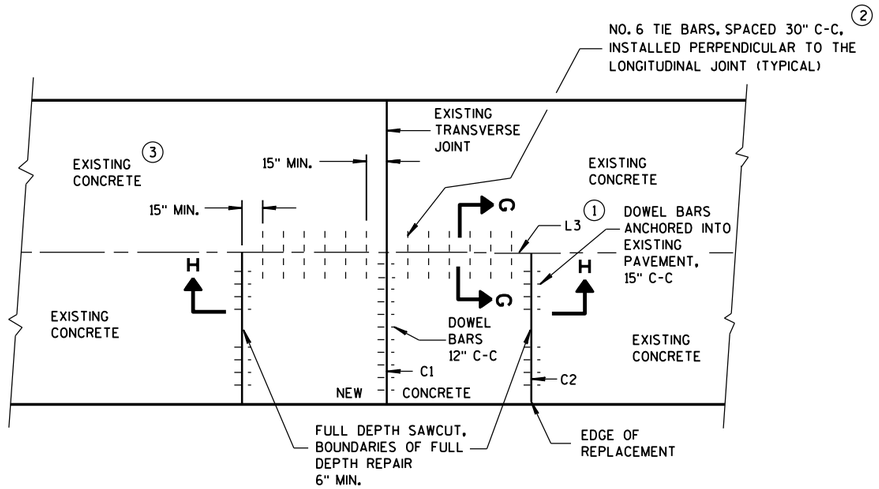
6
S.D.D. 13 C 15-6a

GENERAL NOTES

(1) USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) AT THE LONGITUDINAL JOINT IN LIEU OF TIE BARS FOR SINGLE LANE CONCRETE BASE REPAIRS UP TO 15 FEET IN LENGTH.

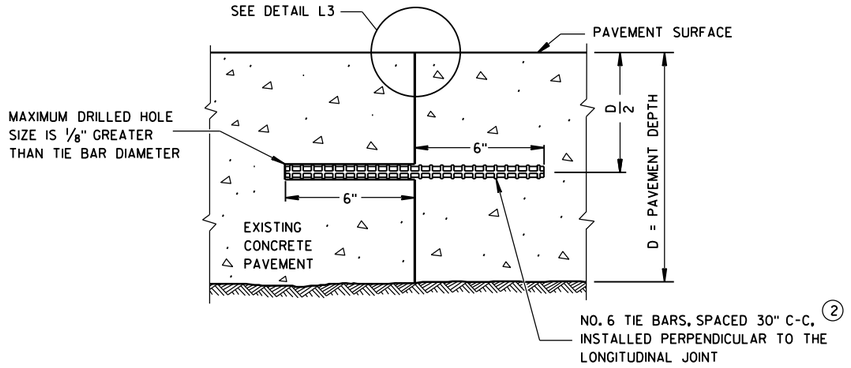
(2) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(3) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.



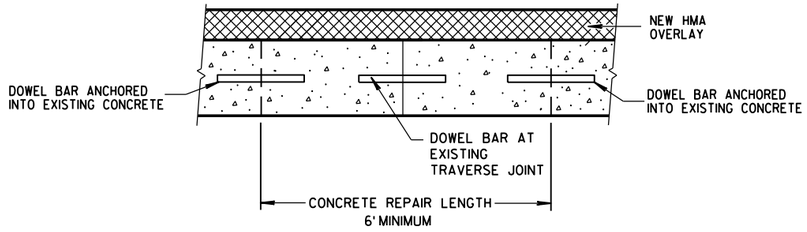
PLAN VIEW

SINGLE LANE CONCRETE BASE REPAIR



SECTION G-G

TIE BARS ANCHORED INTO EXISTING PAVEMENT



SECTION H-H

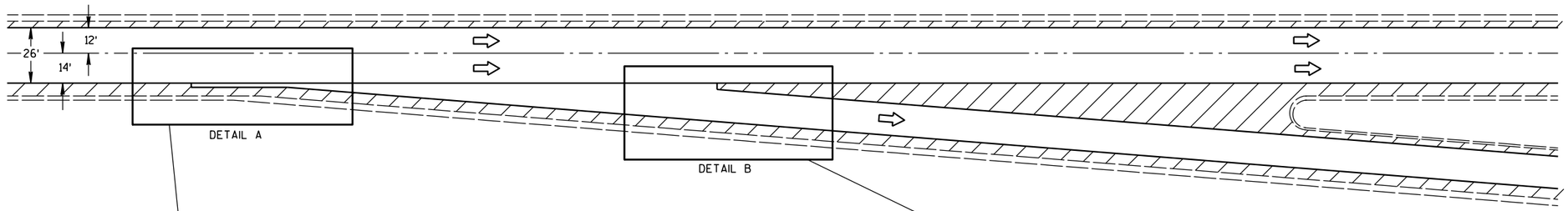
CONCRETE BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

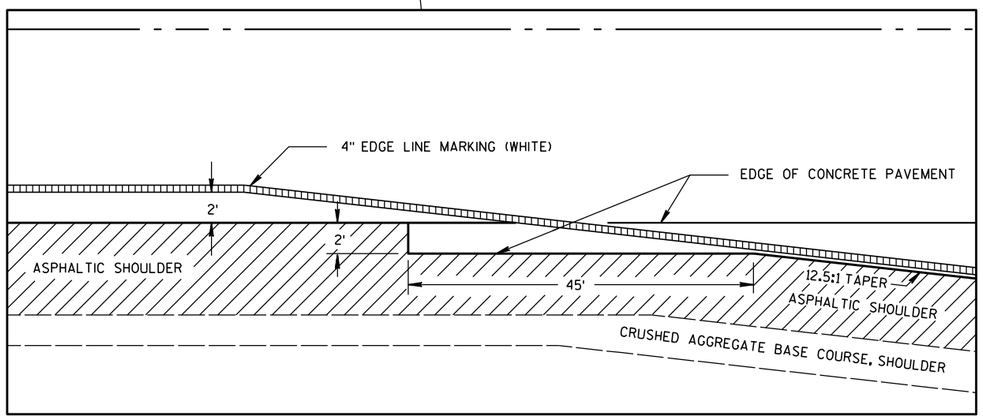
APPROVED
June, 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPEI
FHWA

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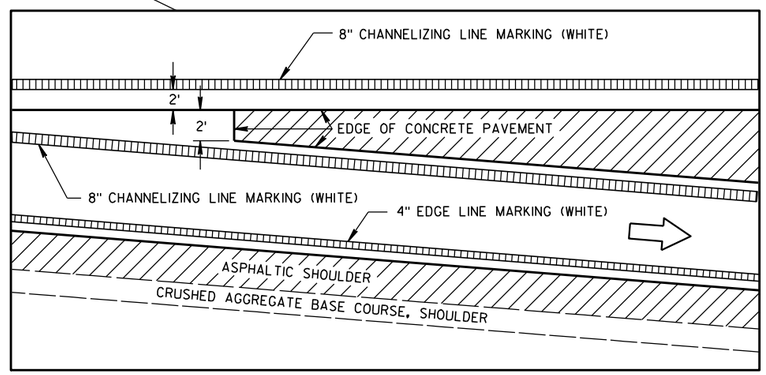
S.D.D. 13 C 15-6b



EXIT RAMP DETAIL



DETAIL A



DETAIL B

CONCRETE JOINT PAVING DETAILS

GENERAL NOTES

PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

SEE SDD 13 A 4-4c OR SDD 13 A 5-1b FOR RAMP AND GORE RUMBLE STRIP LOCATION.

CONCRETE JOINT DETAIL FOR EXIT RAMP TERMINI

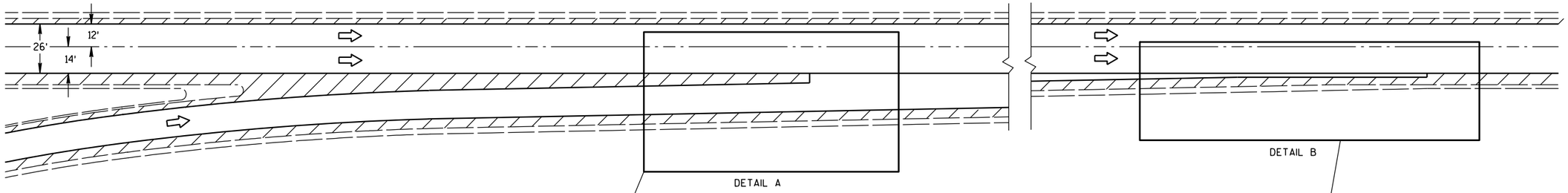
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

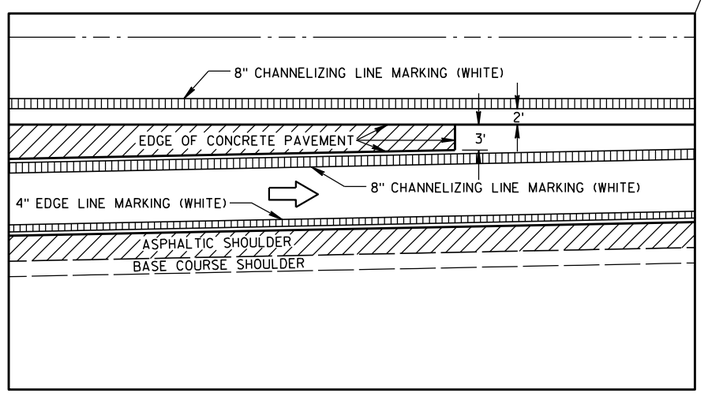
S.D.D. 13 C 17-1a

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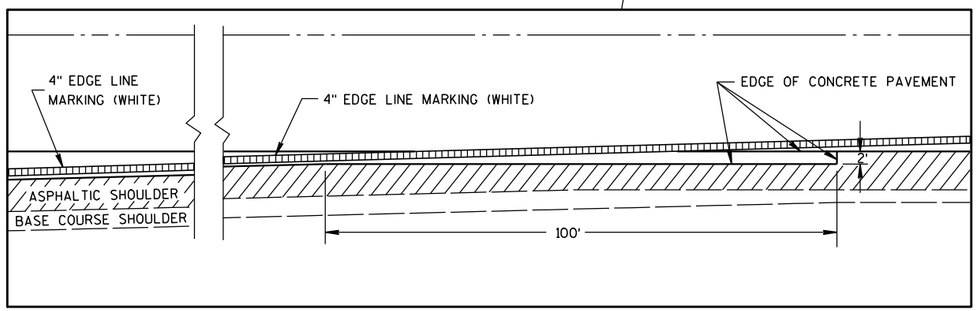
S.D.D. 13 C 17-1a



ENTRANCE RAMP DETAIL



DETAIL A



DETAIL B

CONCRETE JOINT PAVING DETAILS

GENERAL NOTES

PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

SEE SDD 13 A 4-4c OR SDD 13 A 5-1b FOR RAMP AND GORE RUMBLE STRIP LOCATION.

CONCRETE JOINT DETAIL FOR ENTRANCE RAMP TERMINI

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/27/98
DATE

/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER

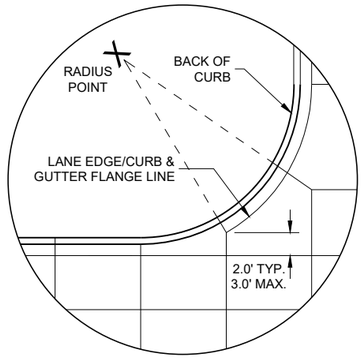
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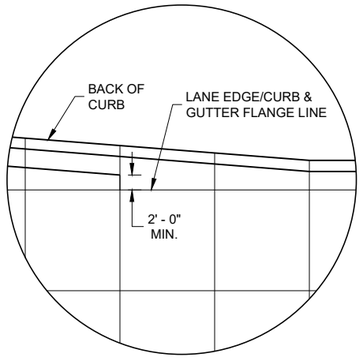
S.D.D. 13 C 17-1b

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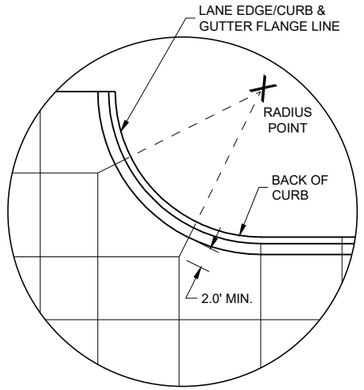
S.D.D. 13 C 17-1b



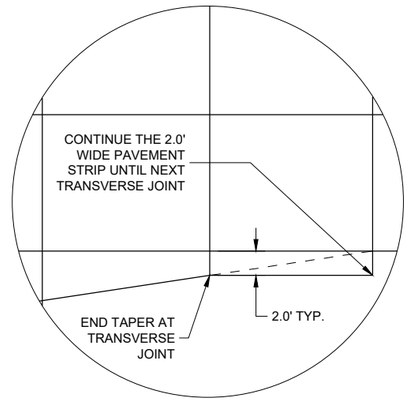
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

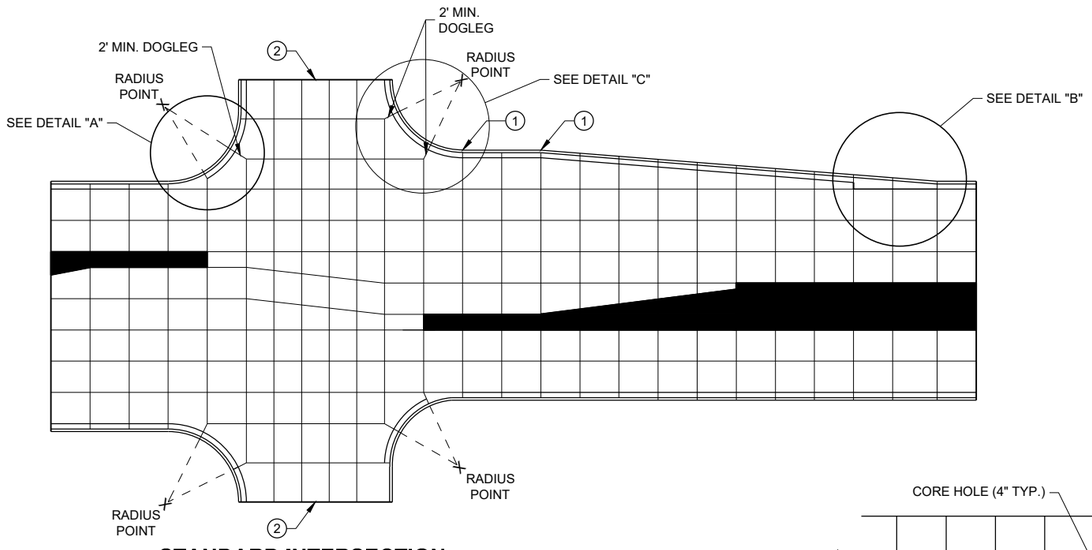
AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.

(2) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITHEDGE OF RADIUS.

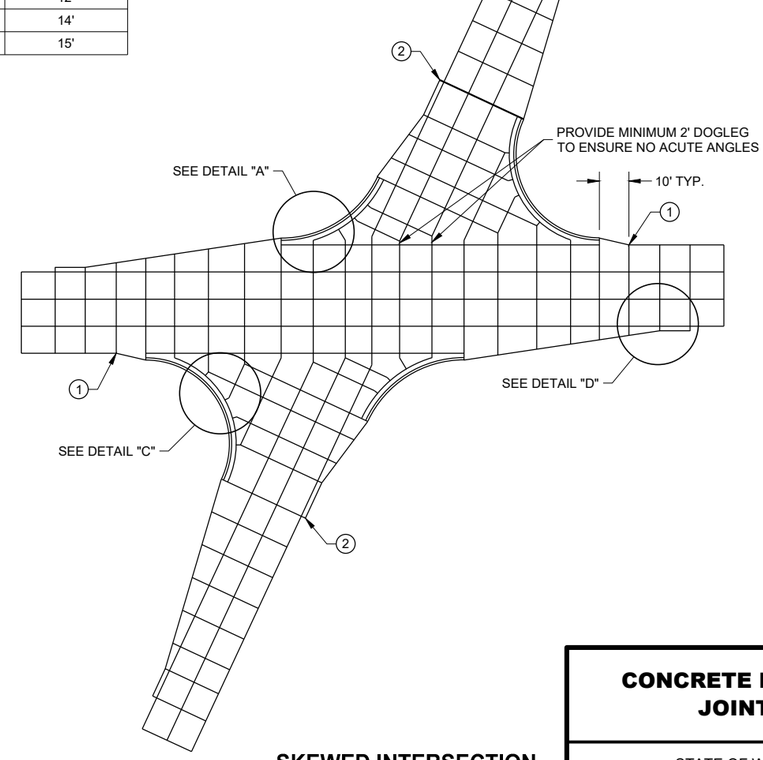
(3) THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



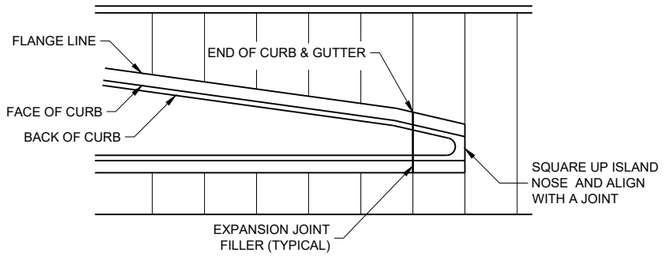
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

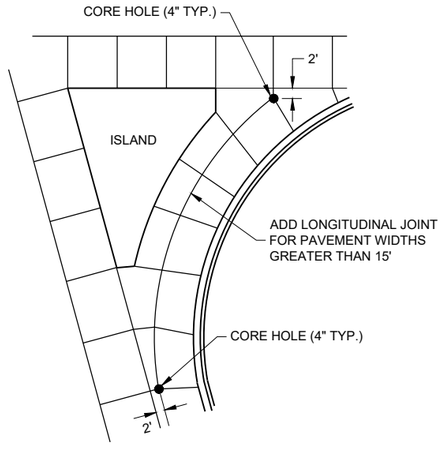
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTAT 666

SDD 13C18 - 07a

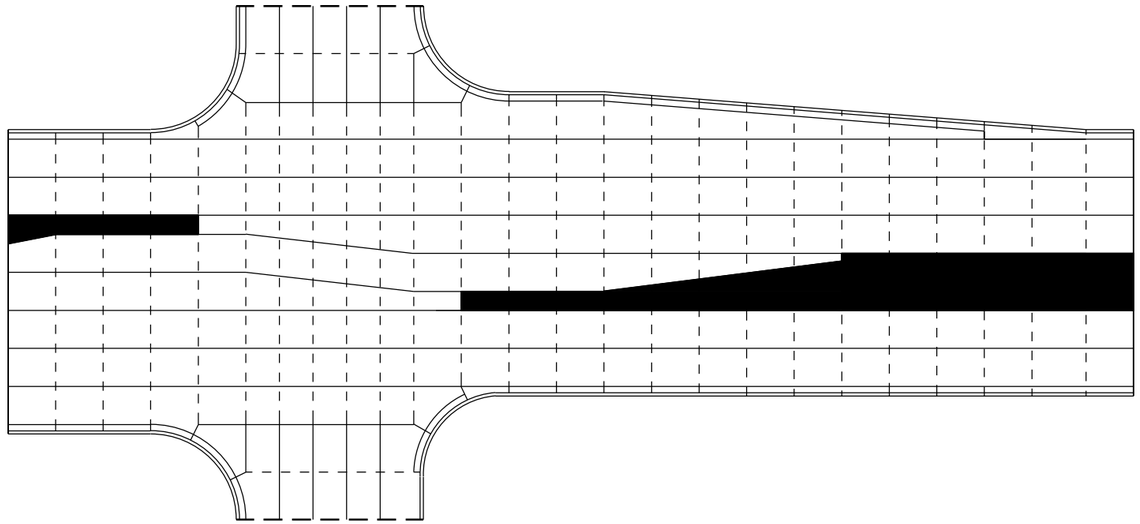
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LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

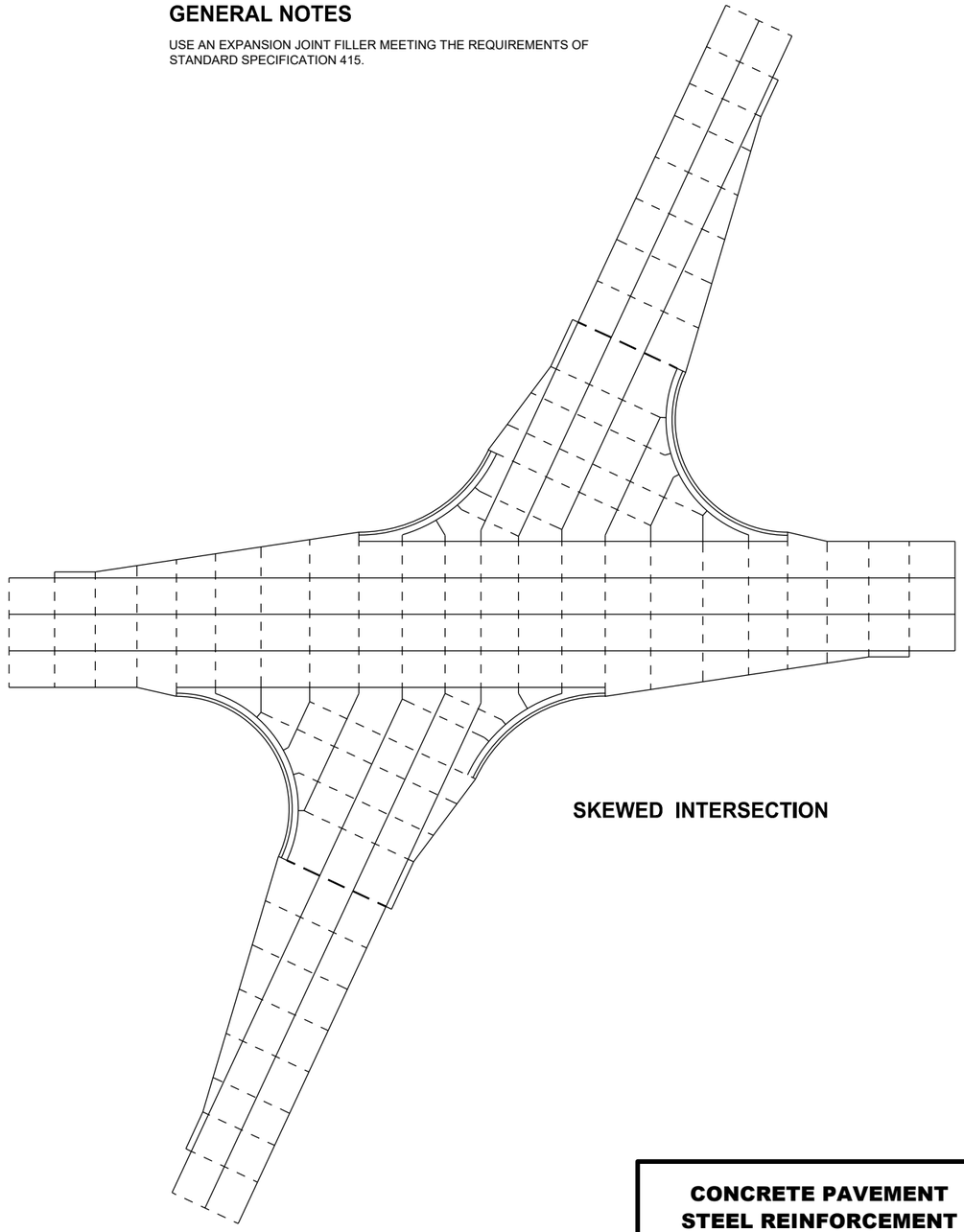
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

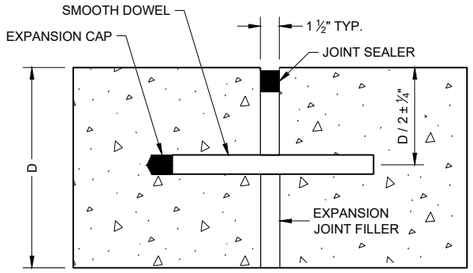
SDD 13C18 - 07b

CONCRETE PAVEMENT
STEEL REINFORCEMENT

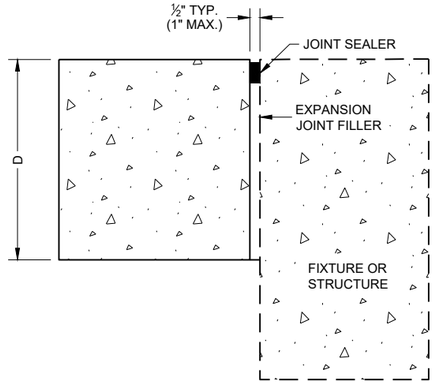
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 13C18 - 07b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

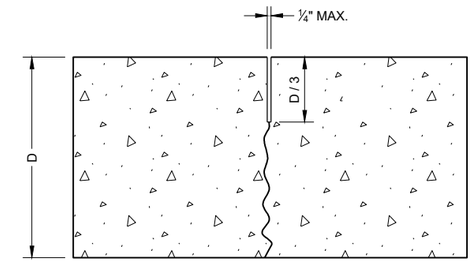
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

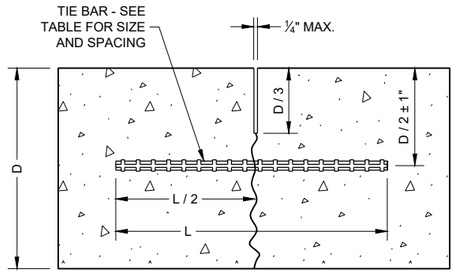
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

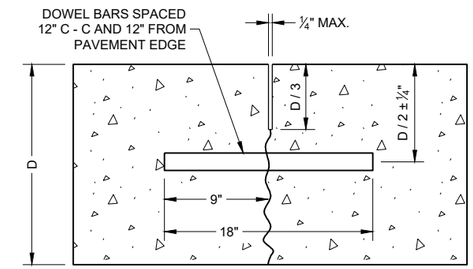
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

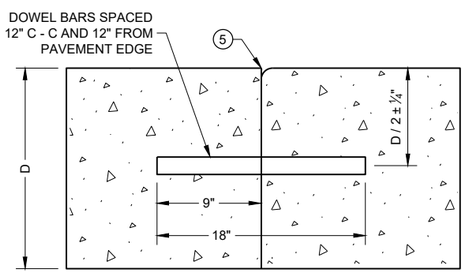


TIED LONGITUDINAL

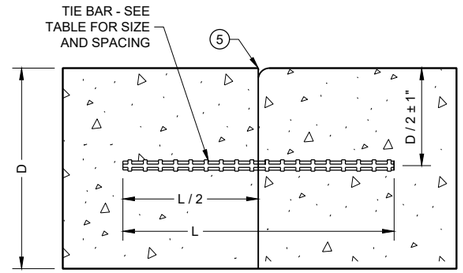


DOWELED TRANSVERSE

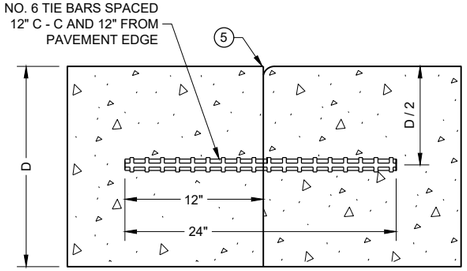
CONTRACTION JOINTS (2)



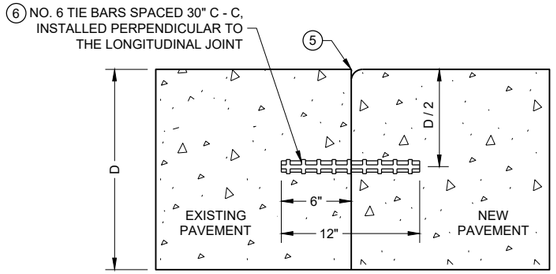
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

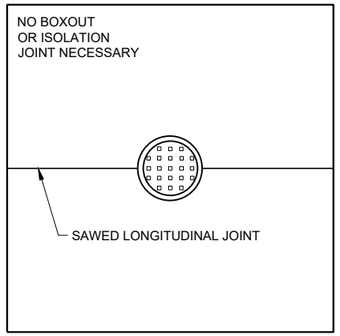
CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

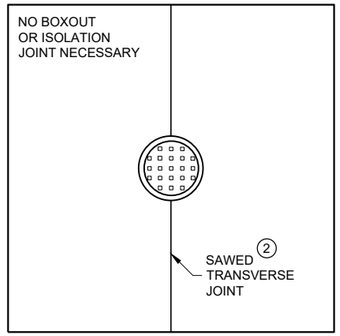
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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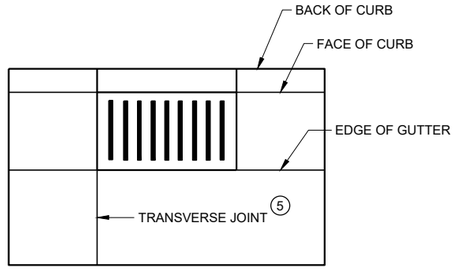
SDD 13C18 - 07c



MANHOLE WITH LONGITUDINAL JOINT



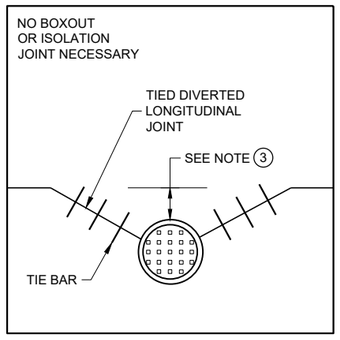
MANHOLE WITH TRANSVERSE JOINT



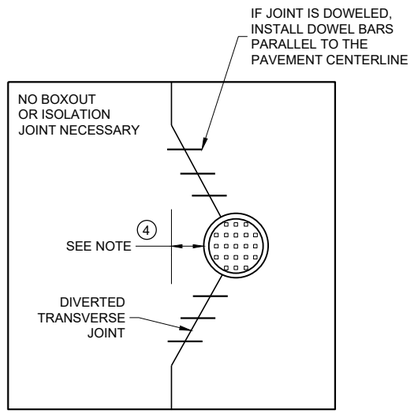
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

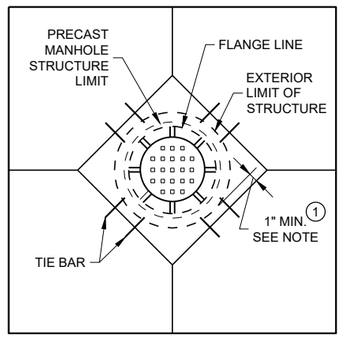
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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November 2018
DATE

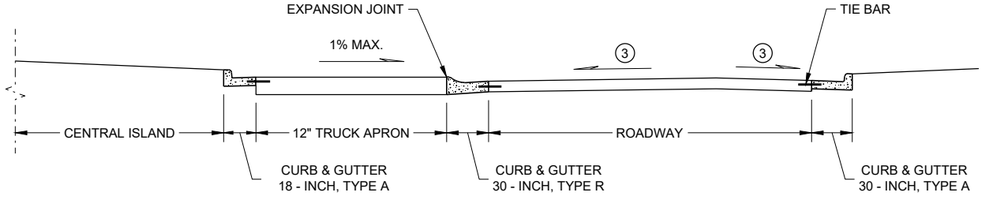
/S/ Peter Kemp P.E.
PAVEMENT SUPERVISOR

669

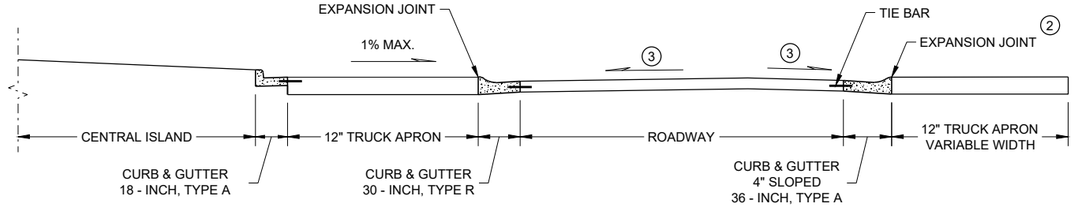
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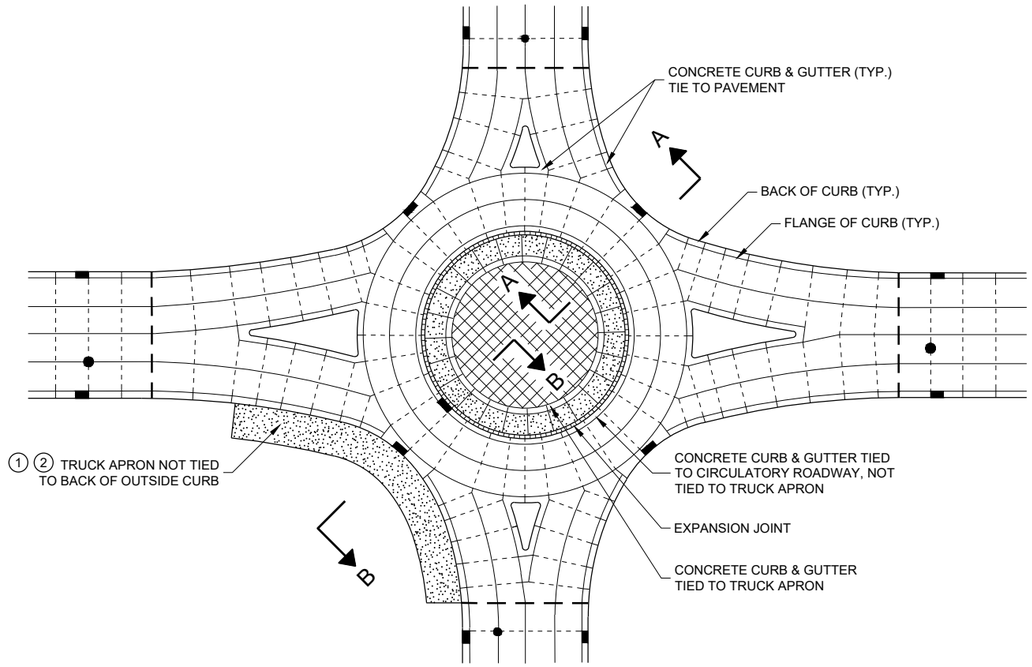
SDD13C18 - 07d



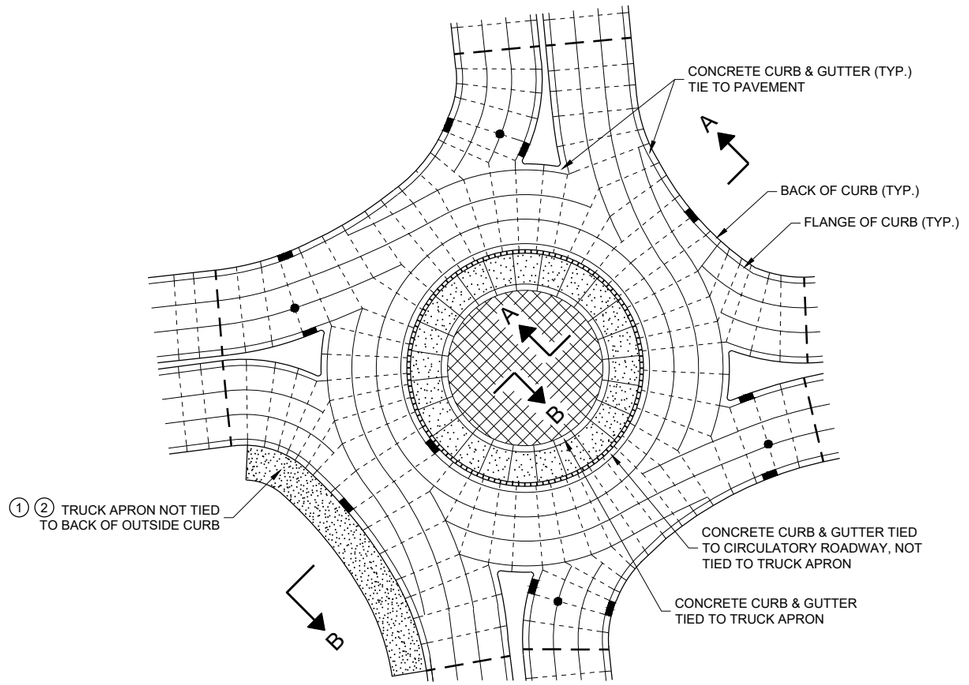
SECTION A - A



SECTION B - B



ISOLATED CIRCLE JOINT LAYOUT FOR ROUNDABOUTS



PINWHEEL JOINT LAYOUT FOR ROUNDABOUTS

GENERAL NOTES

MAXIMUM JOINT SPACING IS IN ACCORDANCE WITH THE TABLE SHOWN ON SDD 13C18 - SHEET "a"

USE EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.

DO NOT DOWEL OR TIE THE TRUCK APRON TRANSVERSE JOINTS.

(1) DESIGNER DETERMINES SIZE AND LOCATION(S) OF TRUCK APRON TO ACCOMODATE TRACKING OF OVERSIZE / OVERWEIGHT VEHICLES.

(2) TIE THE OUTSIDE TRUCK APRON TO THE BACK SIDE OF CURB ONLY WHEN ENTIRE TRUCK APRON IS LESS THAN 3 FEET.

(3) CONFORM TO PLAN CONSTRUCTION DETAILS FOR CIRCULATORY ROADWAY CROSS SLOPE.

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT
- TRUCK APRON
- CENTRAL ISLAND
- UTILITY STRUCTURES

CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS

STATE OF WISCONSIN
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APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVISOR

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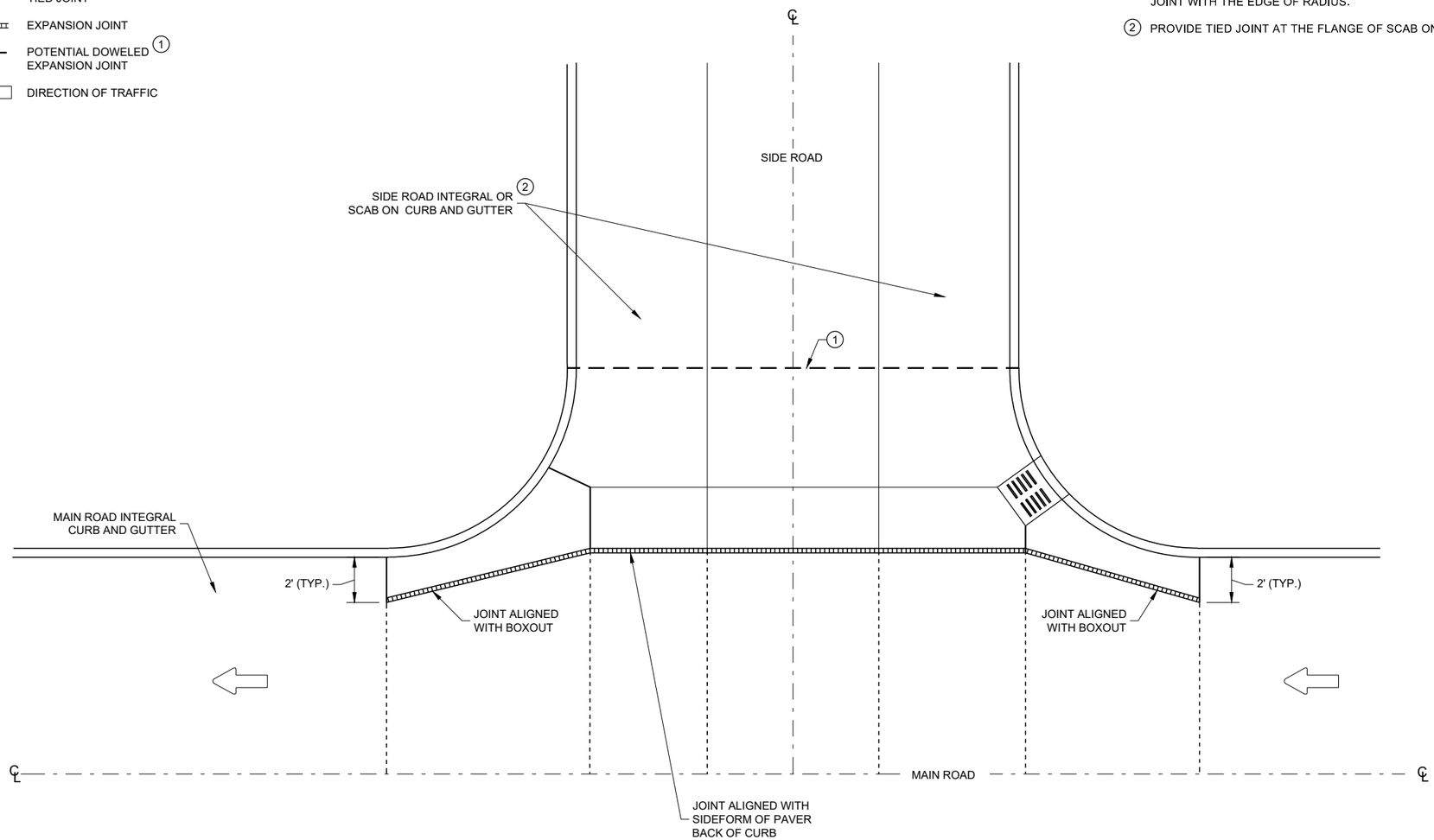
SDD 13C18 - 07e

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SDD 13C18 - 07e

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT (1)
- DIRECTION OF TRAFFIC



GENERAL NOTES

(1) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH THE EDGE OF RADIUS.

(2) PROVIDE TIED JOINT AT THE FLANGE OF SCAB ON CURB IF SCAB ON CURB AND GUTTER IS USE.

INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

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APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
ROADWAY STANDARDS DEVE ENGINEER

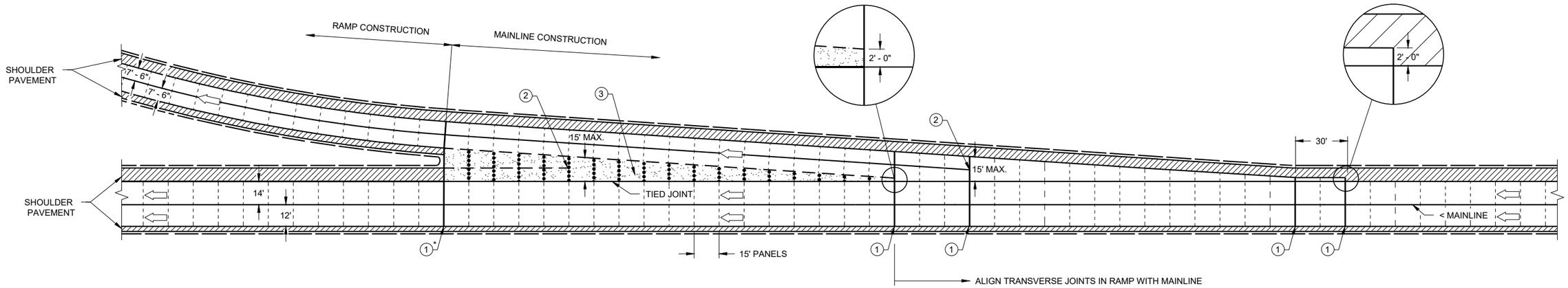
FHWA

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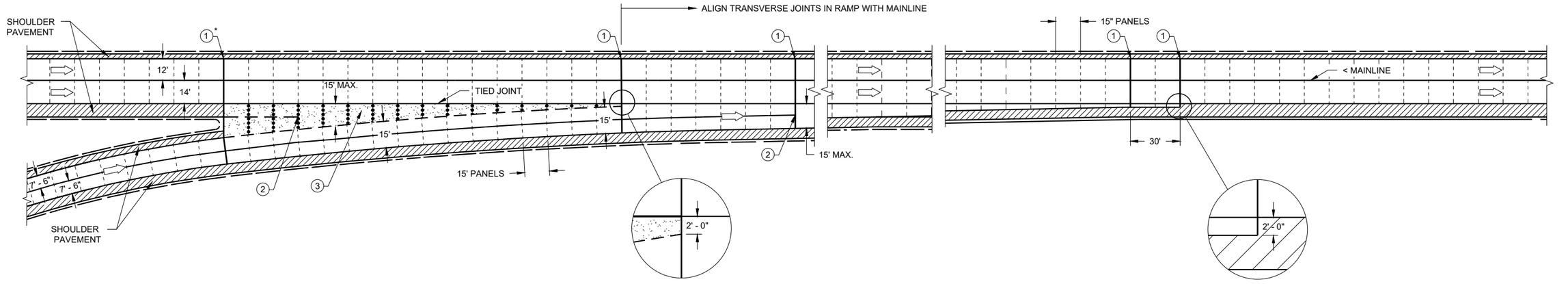
SDD 13C18 - 07f

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SDD 13C18 - 07f



DECELERATION LANE



ACCELERATION LANE

GENERAL NOTES

PAVEMENT AND BASE THICKNESS, PANEL LENGTHS, JOINTS AND REINFORCEMENT FOR THE DECELERATION AND ACCELERATION LANES, INCLUDING TAPERS, SHALL BE THE SAME AS THE MAINLINE, EXCEPT WHERE OTHERWISE NOTED.

ALL REINFORCEMENT BARS SHALL BE EPOXY COATED CONFORMING TO SUBSECTION 505.2.6 OF THE STANDARD SPECIFICATIONS.

LANE AND SHOULDER WIDTHS MAY VARY FROM SHOWN. SEE CONSTRUCTION PLANS FOR ACTUAL PROPOSED WIDTHS.

(1) CRITICAL TRANSVERSE JOINT LOCATIONS AT PAVEMENT WIDTH CHANGES. ((1)* IS NOT A CRITICAL TRANSVERSE JOINT WHEN ASPHALTIC GORE IS INSTALLED).

(2) STOP LONGITUDINAL JOINT WITH CORE HOLE (2" TYP.) WHEN IT MEETS THE FIRST TRANSVERSE JOINT LESS THAN 15' WIDE OR STOP LONGITUDINAL JOINT WHEN IT MEETS 2' AWAY FROM THE TIED JOINT OF THE MAINLINE.

(3) DISREGARD THE JOINT DETAILS IN AND AROUND THE GORE WHEN ASPHALTIC GORE IS INSTALLED.

LEGEND

- DOWELED JOINT
- UNDOWELED JOINT
- TIED JOINT
- UNTIED JOINT
- GORE
- DIRECTION OF TRAVEL

CONCRETE PAVEMENT JOINTING ACCELERATION/ DECELERATION LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

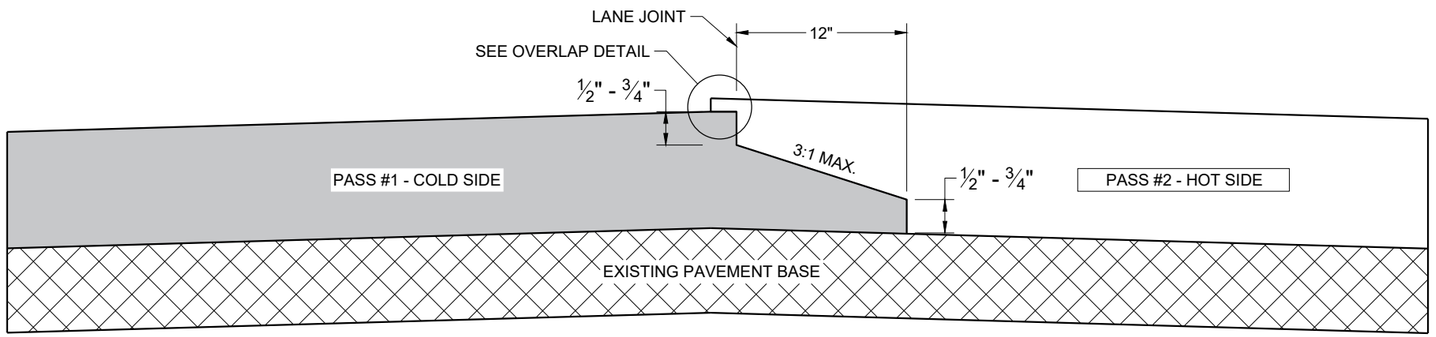
APPROVED
November 2018 — DATE
/S/ Peter Kemp P.E. — ROADWAY STANDARDS DEVE ENGINEER
672
FHWA

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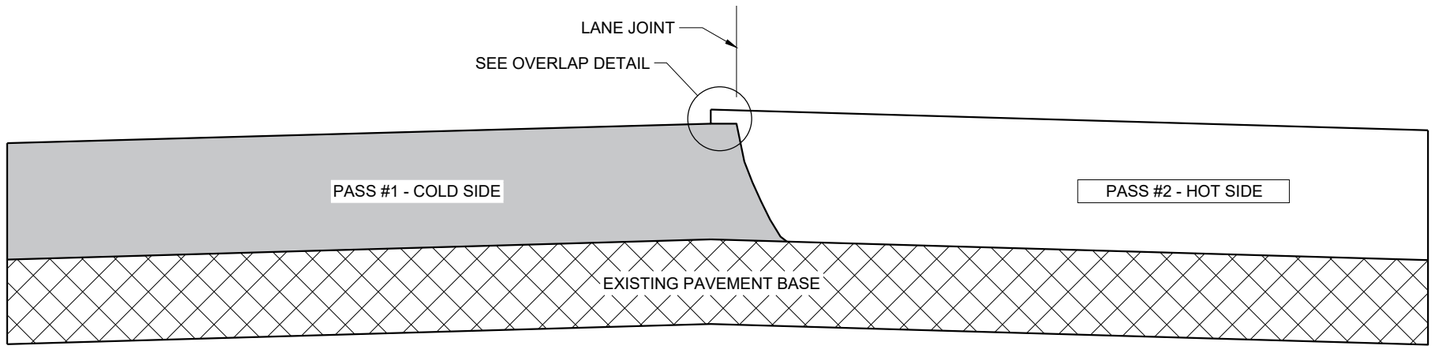
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SDD13C18 - 07g

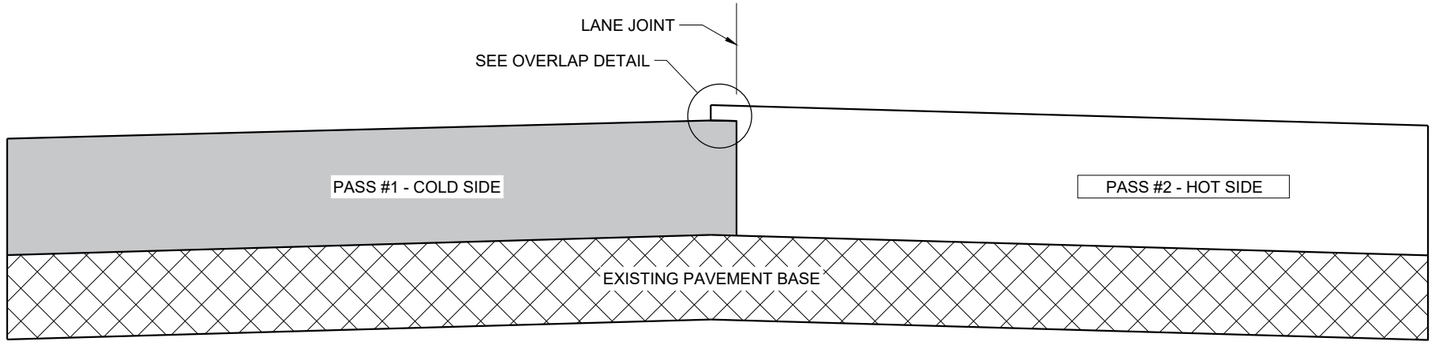
SDD13C18 - 07g



TYPICAL PAVEMENT CROSS SECTION
OF NOTCHED WEDGE LONGITUDINAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL LONGITUDINAL JOINT



TYPICAL PAVEMENT CROSS SECTION
OF MILLED LONGITUDINAL JOINT

GENERAL NOTES

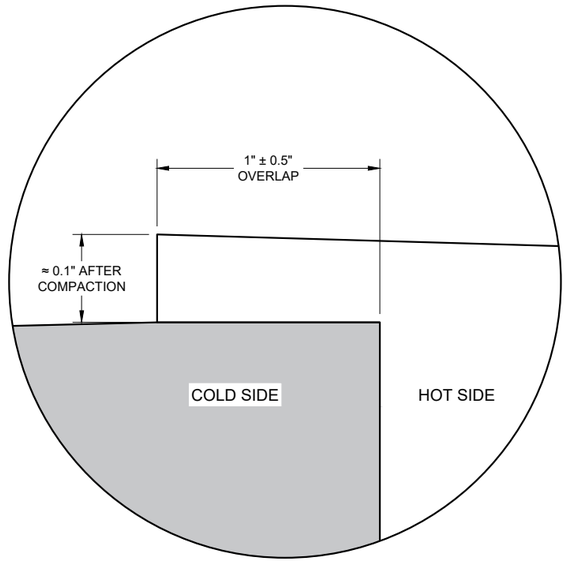
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION.

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

6

SDD 13C19 - 02

SDD 13C19 - 02

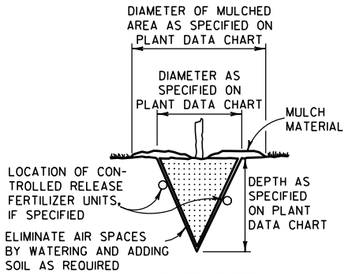
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

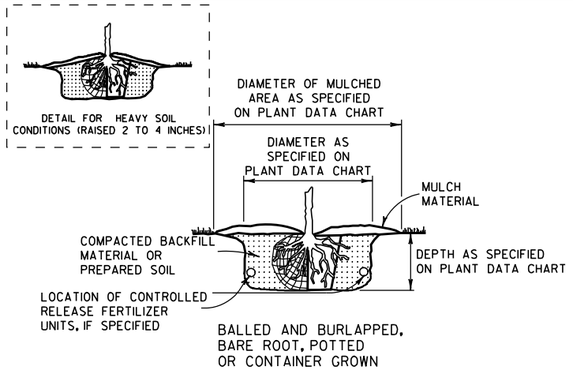
APPROVED
February 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN 673

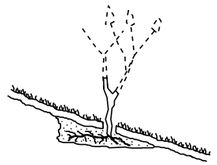
FHWA



MACHINE MOVED

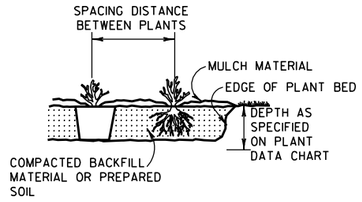


BALLED AND BURLAPPED, BARE ROOT, POTTED OR CONTAINER GROWN



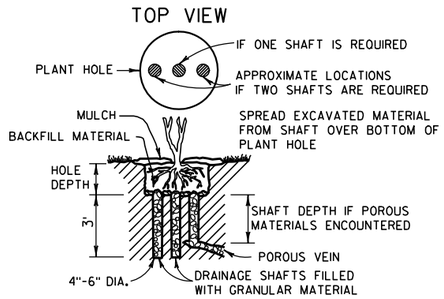
ACCOMMODATE ROOTS (SMOOTH AND STAGHORN SUMAC)

NOTE:
1) ENGINEER SHALL REQUIRE 3 SLITS IN POT TO SPEED DETERIORATION
2) METAL, PLASTIC OR OTHER NONDEGRADABLE POTS SHALL BE REMOVED PRIOR TO PLANTING



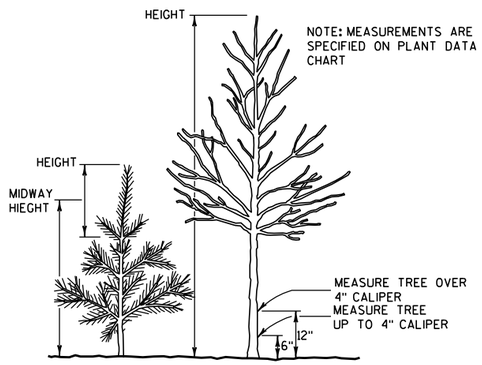
PREPARED BED (BARE ROOT AND POTTED)

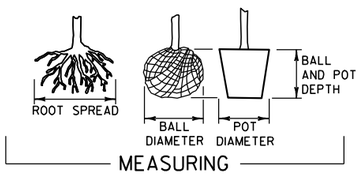
PLANTING



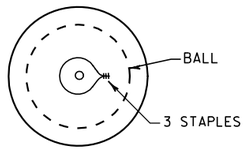
NOTE:
DRAINAGE SHAFT AS SPECIFIED ON PLANT DATA CHART

DRAINING

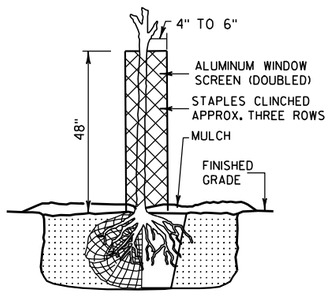




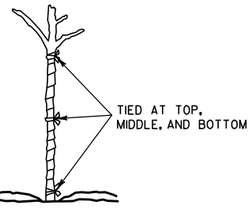
MEASURING



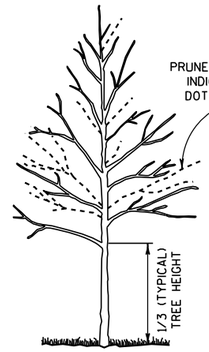
TOP VIEW



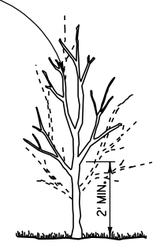
RODENT PROTECTION



WRAPPING



TALL DECIDUOUS TREES (ASH, MAPLE, LINDEN, OAK)



SINGLE STEMMED LOW DECIDUOUS TREES (CRABS AND OTHER SINGLE STEM TYPE)



MULTI-STEMMED LOW DECIDUOUS TREES OR LARGE SHRUBS (HAWTHORN, SERVICEBERRY)

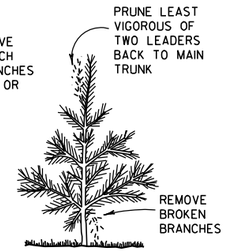
NOTE: WHEN PRUNING, PRESERVE CHARACTER AND SHAPE OF TREE. AVOID LEAVING STUBS - REMOVE BRANCH OR TWIG BACK TO THE NEAREST CROTCH
1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES
2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES



SHRUBS (GRAY DOGWOOD ARROWWOOD VIBURNUM)

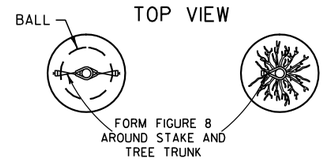


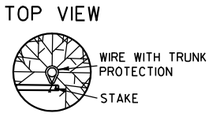
SUMAC

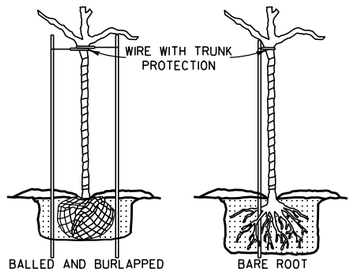


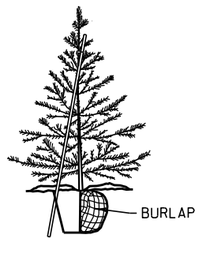
TREE TYPE EVERGREENS (PINE, SPRUCE, FIR) EVERGREENS USUALLY ARE NOT PRUNED

PRUNING



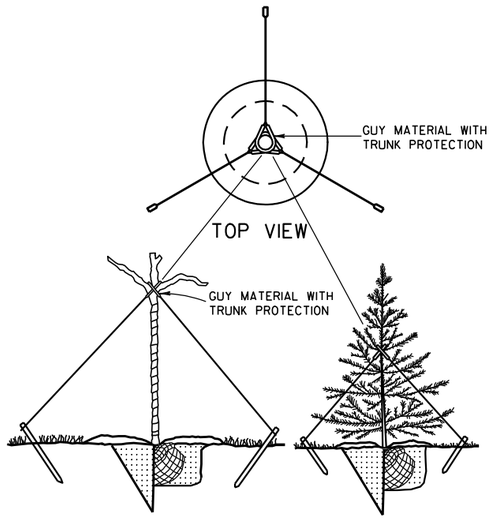






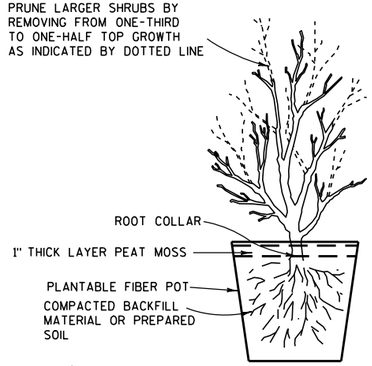
NOTE: BRACING STAKE
1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE; AND
4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE IN PLACE.

BRACING



GUYING

PRUNE LARGER SHRUBS BY REMOVING FROM ONE-THIRD TO ONE-HALF TOP GROWTH AS INDICATED BY DOTTED LINE



POTTING

NOTES

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

BRACING, WRAPPING, GUYING, RODENT PROTECTION, FERTILIZER AND MULCH SHALL BE USED ONLY WHEN SPECIFIED ON THE PLANT DATA CHART (PART OF PLAN) OR SPECIAL PROVISIONS.

TREE PLANTING DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

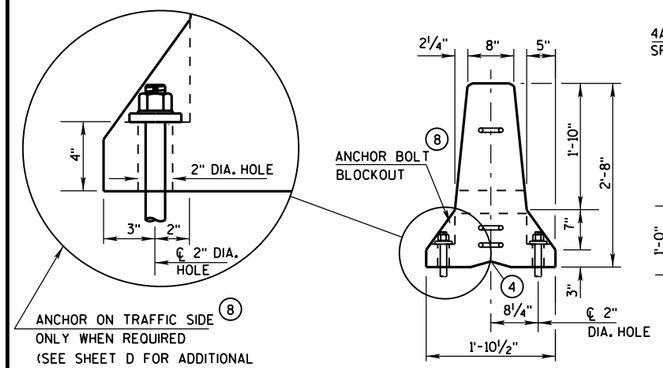
4/11/94
DATE

/S/ Rory L. Rhinesmith
CHIEF METHODS DEVELOPMENT ENGINEER

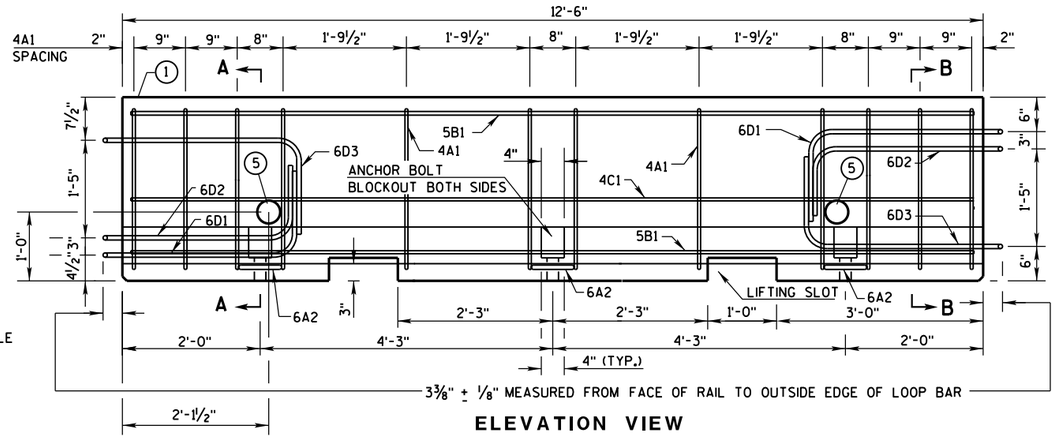
FHWA

6

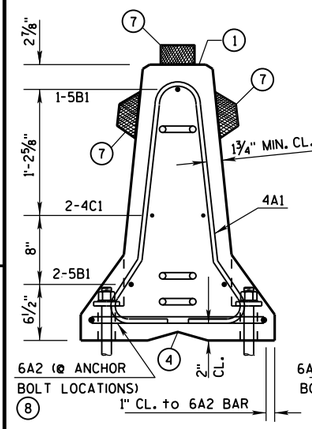
S.D.D. 14 A 2-1



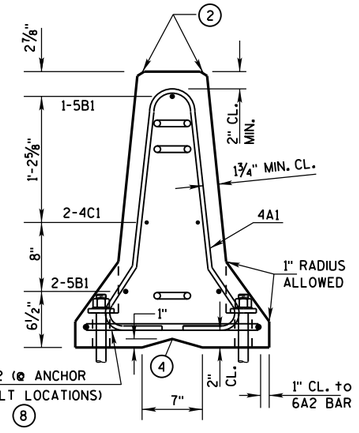
END VIEW



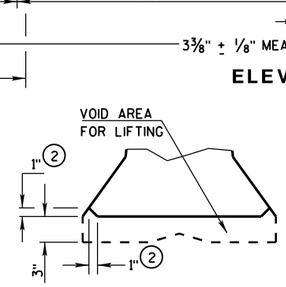
ELEVATION VIEW



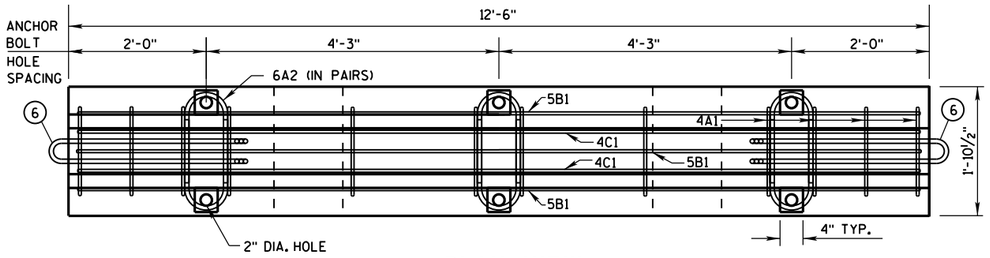
SECTION A-A
(STIRRUP PLACEMENT)



SECTION B-B
(STIRRUP PLACEMENT)

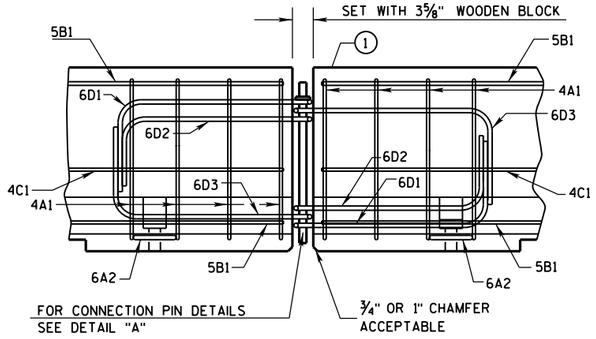


DETAIL "B"
LIFTING SLOT DETAIL

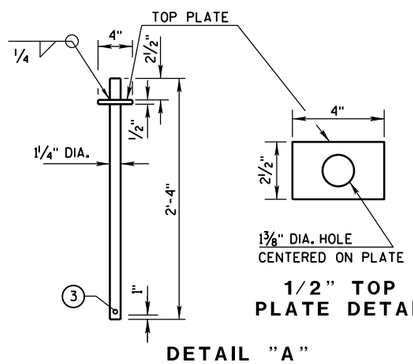


PLAN VIEW

DETAILS OF BARRIER SECTION

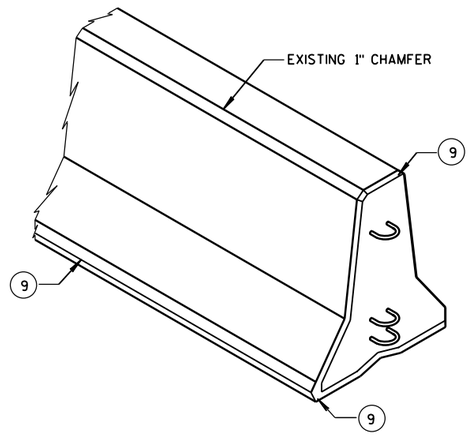


DETAILS OF BARRIER CONNECTION



1/2" TOP
PLATE DETAIL

DETAIL "A"
CONNECTION PIN
(A36 STEEL (10.9 LB EACH))



GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-15(a) THRU 14B7-15(i).

DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH OTHER TEMPORARY CONCRETE BARRIERS.

USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2 AND 5F3 IN THE BARRIER TAPER SECTION.

LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE ¾" SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI, A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3-½" PIN BEND DIAMETER FOR BEND TESTS. THE LOOPS SHALL BE INSTALLED WITHIN ⅛" OF THE PLAN DIMENSION.

CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE OF WATER AFTER INSTALLATION.

PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

INSTALL MECHANICAL OR ADHESIVE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S INFORMATION TO PROJECT ENGINEER.

(1) MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
- a. TYPE: WI CBTP
- b. MANUFACTURER
- c. DATE MANUFACTURED (MONTH AND YEAR)

(2) 1" CHAMFER TO PREVENT SPALLING.

(3) A ⅜" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT NOT REQUIRED..

(4) "V" NOTCH IS OPTIONAL.

(5) THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR LIFTING (OPTIONAL).

(6) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

(7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

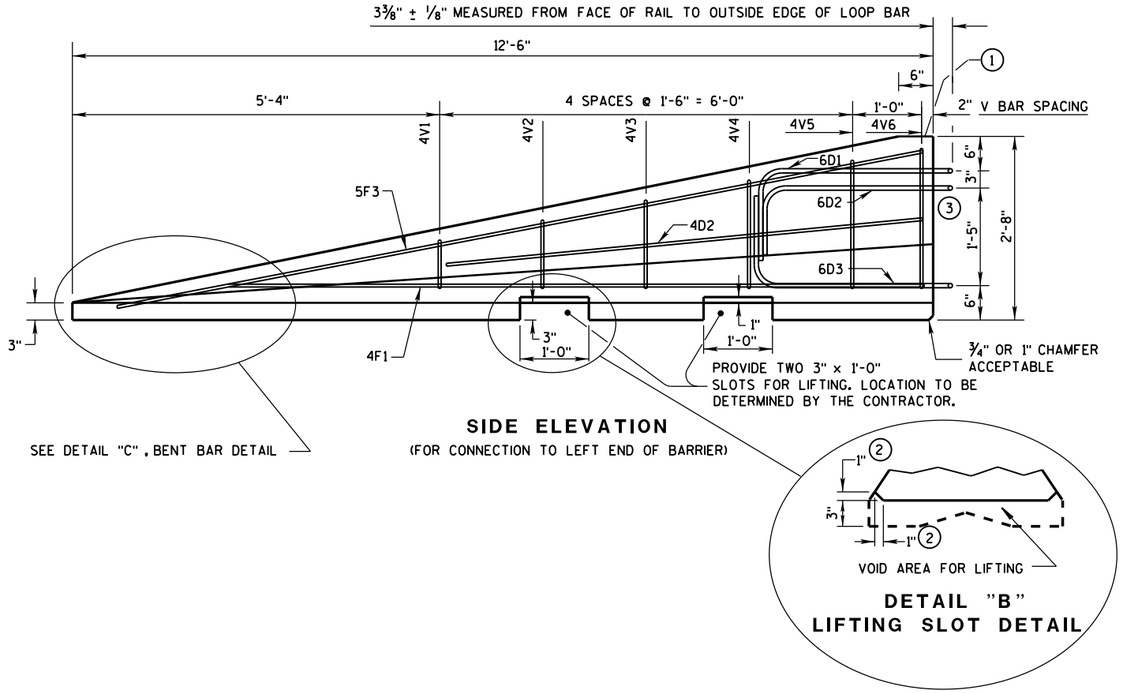
(8) SEE SHEET D FOR HOW TO ANCHOR BARRIER. SEE SHEET E FOR WHEN TO ANCHOR BARRIER.

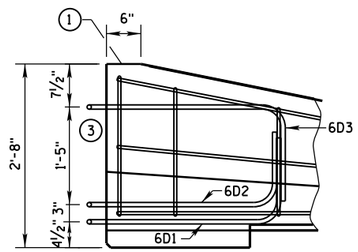
(9) 1" CHAMFER OPTIONAL.

f'c = 4,000 psi

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

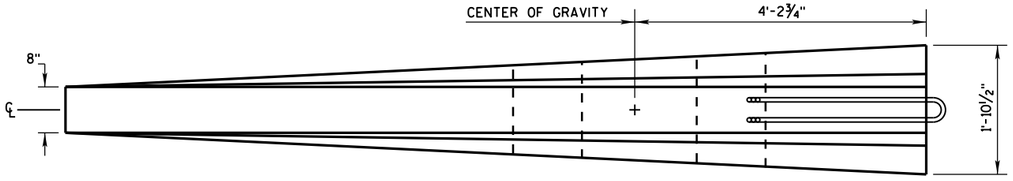
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 675

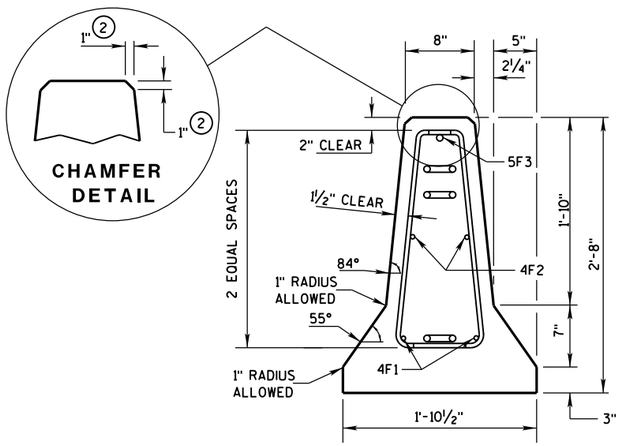


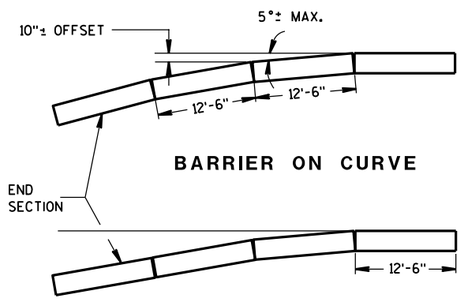


GENERAL NOTES

1. MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
   a. TYPE WICBTP
   b. MANUFACTURER
   c. DATE MANUFACTURED (MONTH AND YEAR)
2. 1" CHAMFER TO PREVENT SPALLING.
3. NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.







POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 676

6

S.D.D. 14 B 7-15b

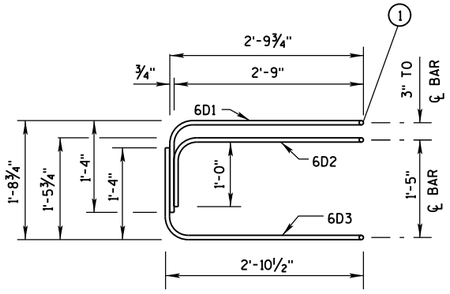
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S.D.D. 14 B 7-15b

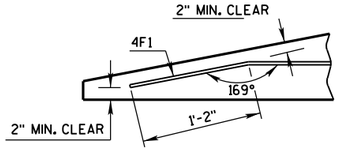
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

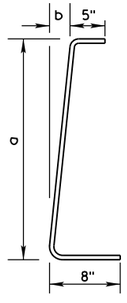
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



ELEVATION
LOOP BAR ASSEMBLY



DETAIL "C"
BENT BAR DETAIL



BAR	a	b
V1	10"	1"
V2	1'-1"	1¼"
V3	1'-5"	1⅝"
V4	1'-8"	1⅞"
V5	2'-0½"	2⅜"
V6	2'-3"	2¾"

4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

TAPER BARRIER SECTION

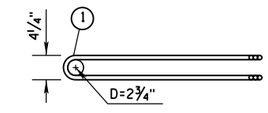
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

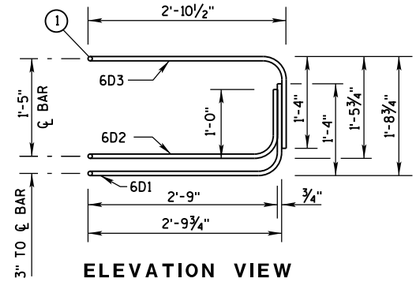
BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

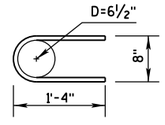
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"



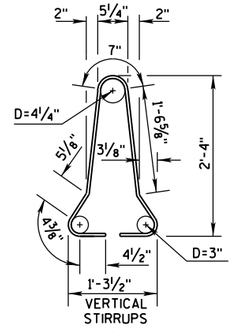
PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)



ELEVATION VIEW



6A2



4A1

BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

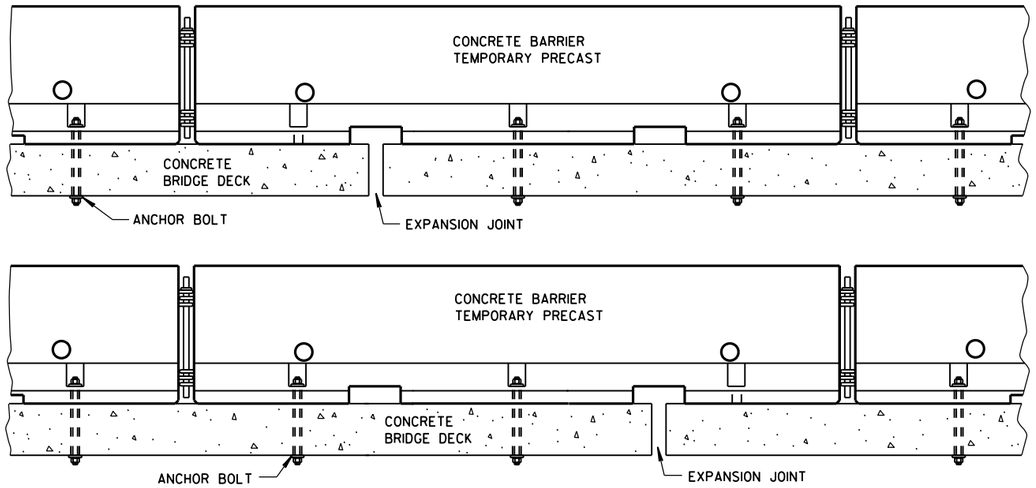
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 677

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S.D.D. 14 B 7-15c

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S.D.D. 14 B 7-15c



TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.)

GENERAL NOTES

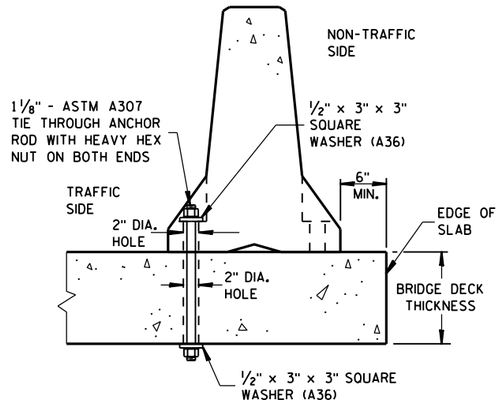
SEE SHEET E FOR WHEN TO ANCHOR. OTHER PARTS OF THE PLAN MAY SHOW ADDITIONAL LOCATIONS REQUIRING ANCHORING.

REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERICAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(1) 1⅛" DIAMENTER A307 THREADED ROD. ½" X 3" X 3" SQUARE PLATE WASHER WITH ASTM A36 STEEL. ASTM A563A HEAVY HEX NUT.

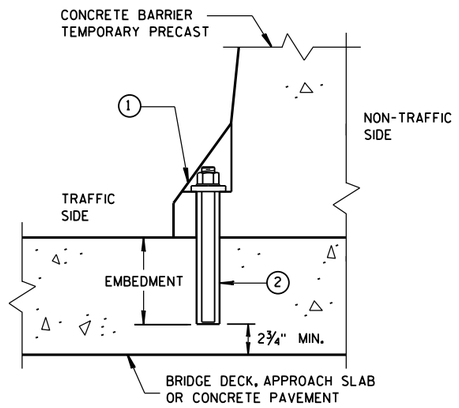
(2) ADHESIVE ANCHORS WITH A MINIMUM BOND STRENGTH OF 1,800 PSI AND 5¼" EMBEDMENT. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.

(3) ASPHALT SURFACE SHOWN. CONTRACTOR MAY DRILL THROUGH CONCRETE PAVEMENT AND THAN DRIVE ASPHALT ANCHOR PIN.



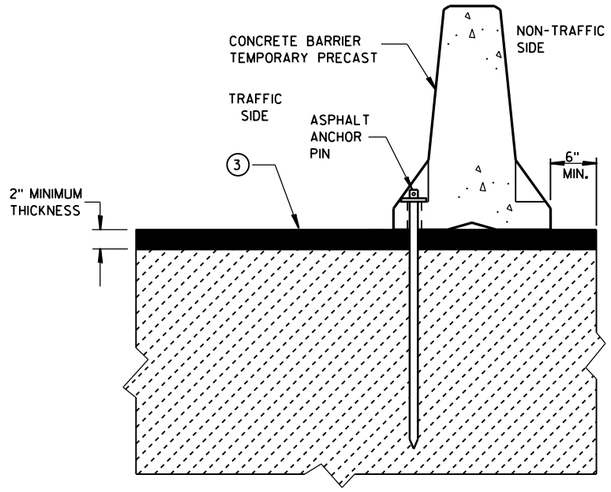
THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

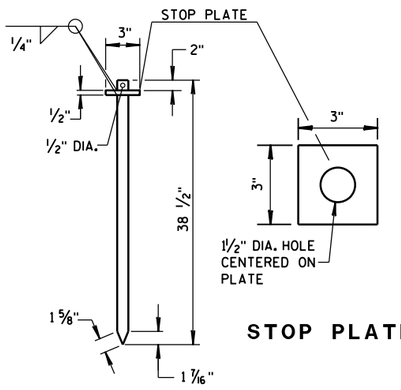


REMOVABLE ADHESIVE ANCHOR INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)



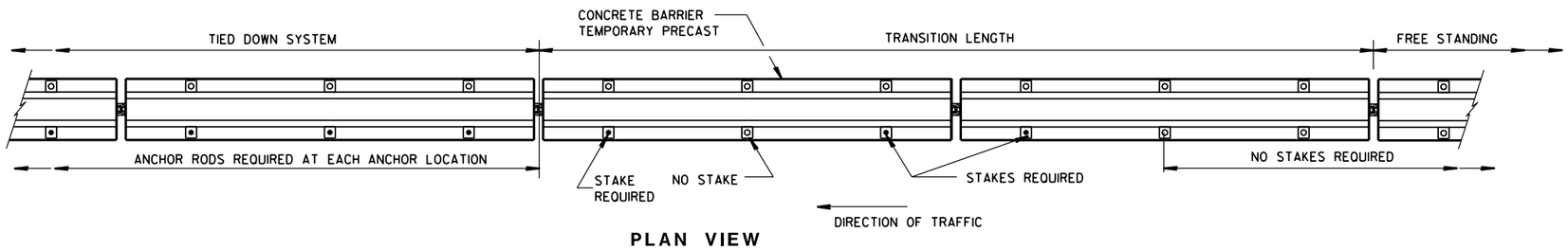
STAKE DOWN INSTALLATION FOR ASPHALTIC SURFACE



STOP PLATE

ASPHALT ANCHOR PIN

(ASTM A36 STEEL)



PLAN VIEW

FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

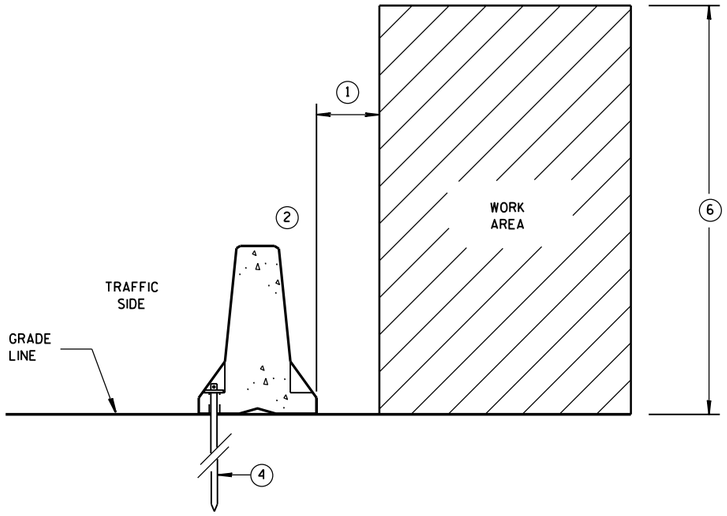
(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

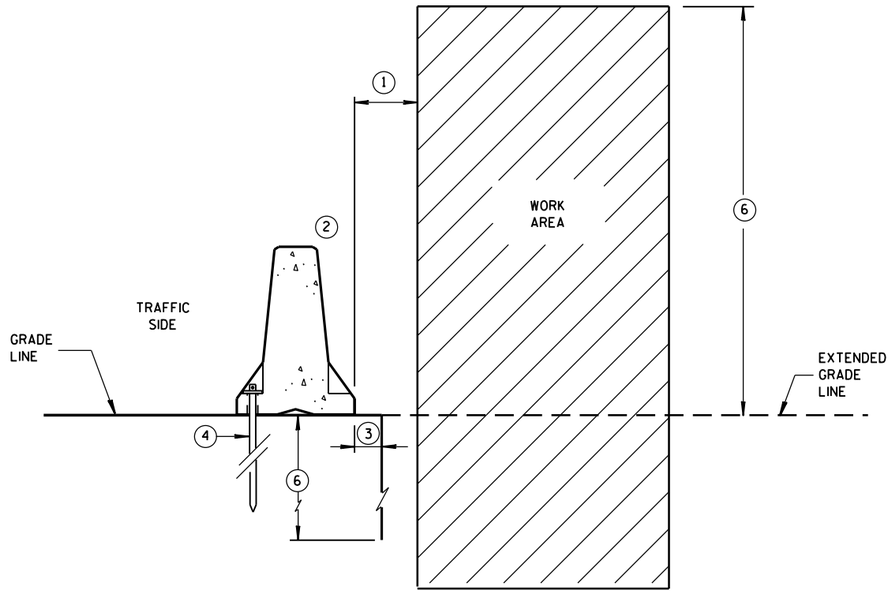
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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ANCHORED BARRIER SPACE REQUIREMENTS FOR HAZARDS EXTENDED ABOVE THE GRADE LINE

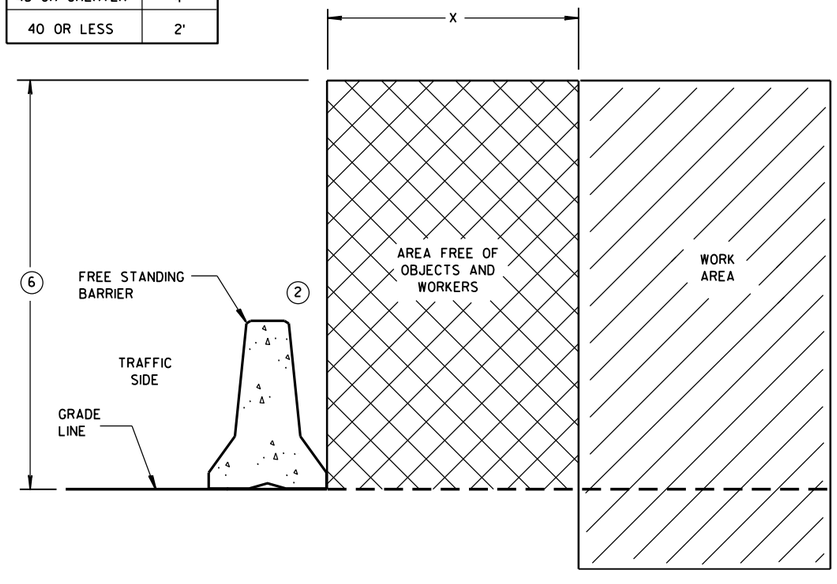


ANCHORED BARRIER SPACE REQUIREMENTS ON VERTICAL DROP OFFS

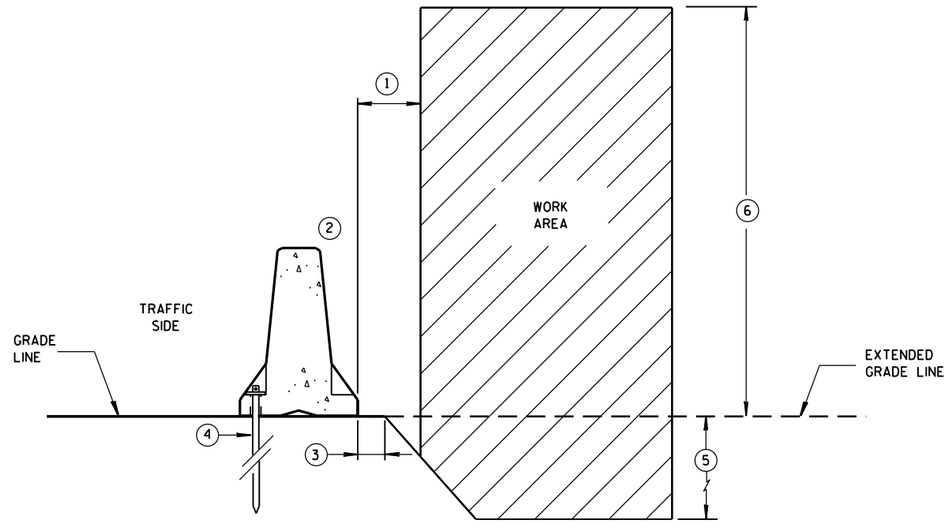
GENERAL NOTES

1. WHEN OBJECTS EXTEND ABOVE THE GRADE, A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT. SEE OTHER DETAILS FOR FOR THE MINIMUM OFFSET FROM BACK OF BARRIER TO SLOPES OR VERTICAL DROPS.
2. OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR LEANED AGAINST THE BARRIER WITHOUT PERMISSION OF THE PROJECT ENGINEER.
3. SEE OTHER DETAIL ON SHEET "D" FOR SPACE REQUIREMENTS.
4. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR A STAKE DOWN FOR ASPHALTIC SURFACE TREATMENT DETAILS. ASPHALTIC ANCHOR SHOWN.
5. DEPTH OF 3 FEET OR MORE.
6. Y = 6'-6".

POSTED SPEED MPH	X
45 OR GREATER	4'
40 OR LESS	2'



FREE STANDING BARRIER SPACE REQUIREMENTS



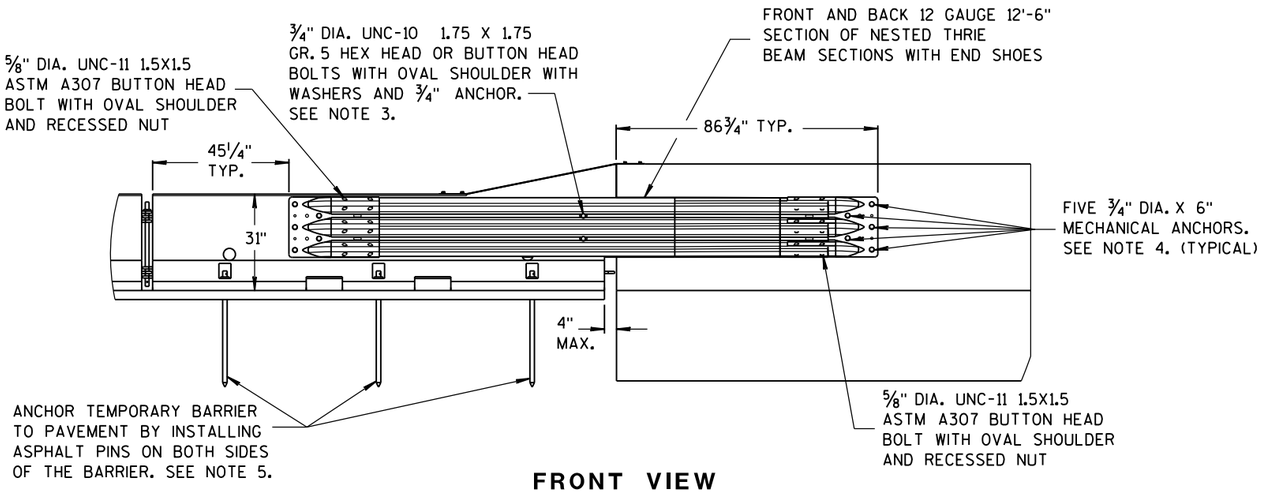
ANCHORED BARRIER SPACE REQUIREMENTS ON SLOPES

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

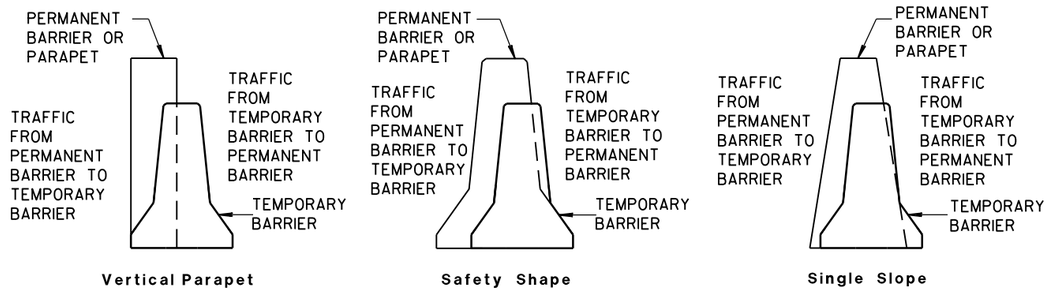
STATE OF WISCONSIN
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FRONT VIEW

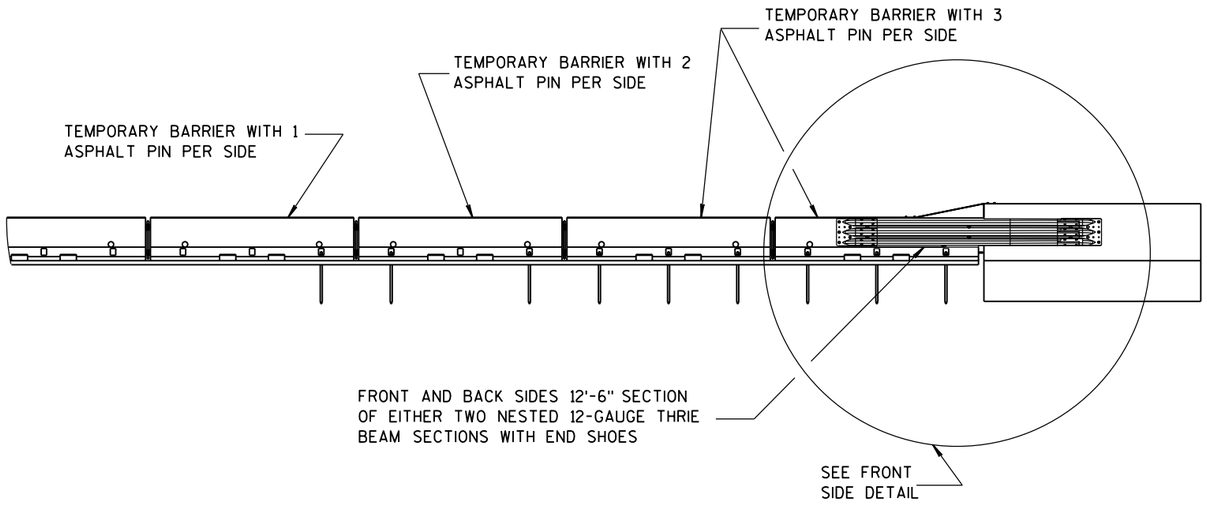


TEMPORARY BARRIER PLACEMENT FOR BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

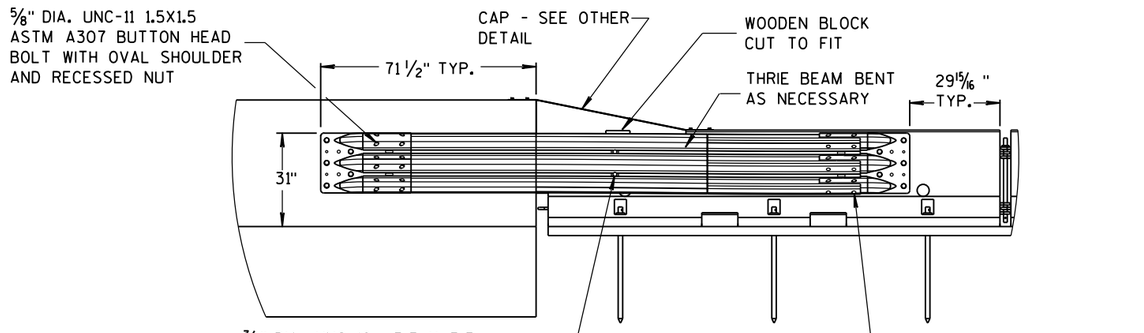
NOTES

NESTED THRIE BEAM IS REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS REGARDLESS OF TRAFFIC.

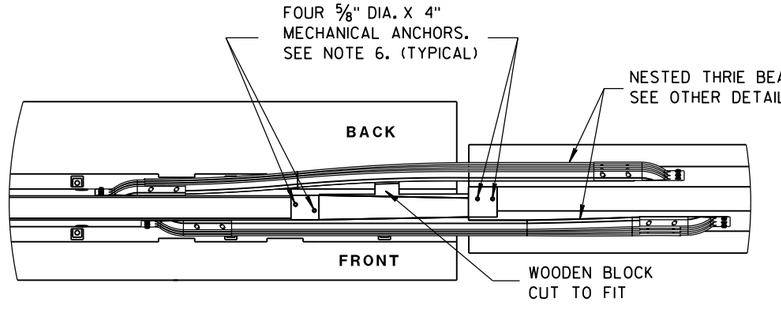
1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS.
4. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS.
5. MAY BE USED ON CONCRETE OR ASPHALT PAVEMENTS. ASPHALT OPTION SHOWN. FOR CONCRETE OPTION SEE OTHER DETAILS.
6. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.



FRONT VIEW



BACK VIEW



PLAN VIEW

BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

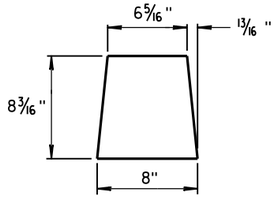
STATE OF WISCONSIN
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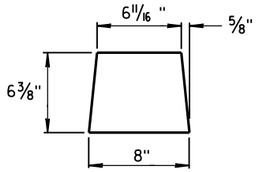
S.D.D. 14 B 7-15f

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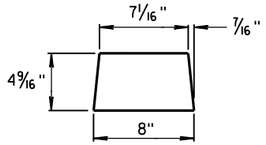
S.D.D. 14 B 7-15f



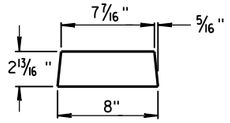
GUSSET 1



GUSSET 2

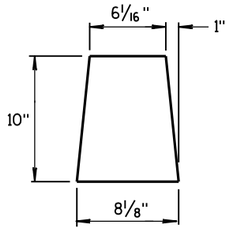


GUSSET 3

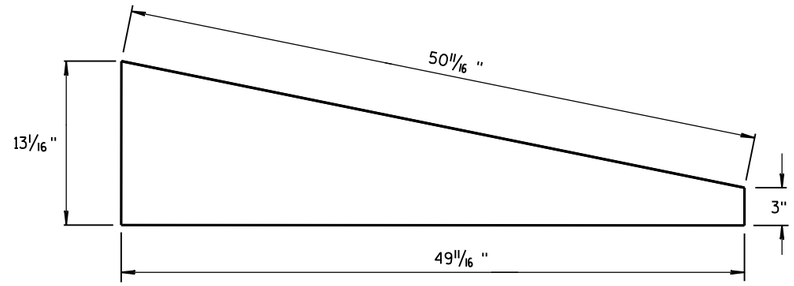


GUSSET 4

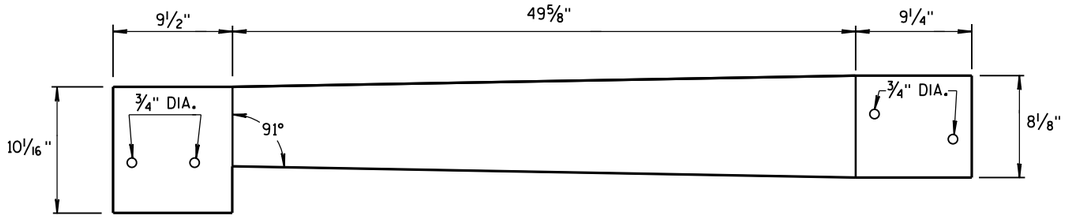
GUSSETS

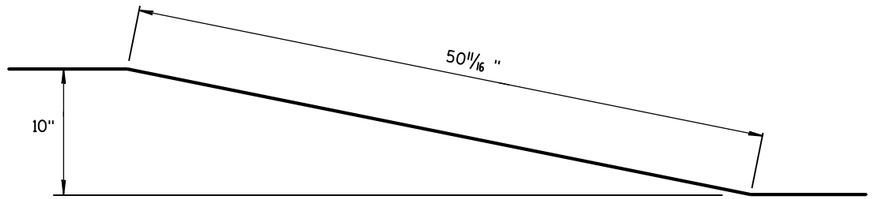


END PLATE



SIDE PLATE

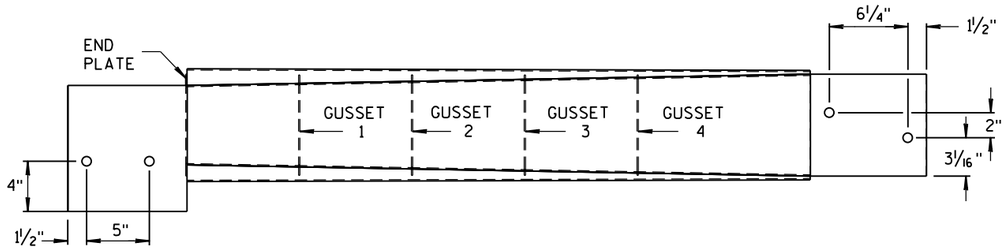


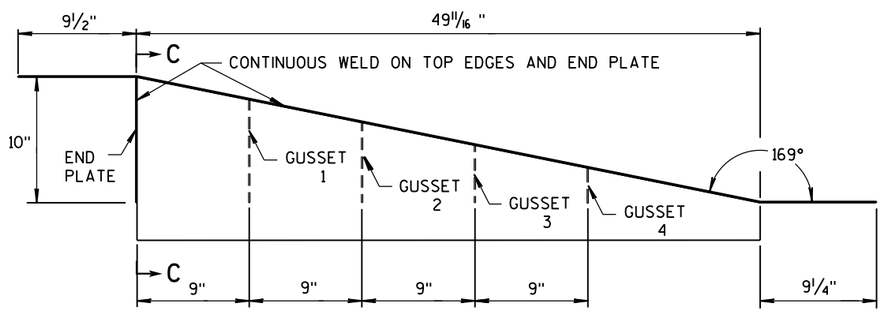


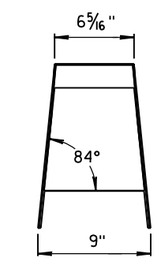
TOP PLATE

SIDE, TOP AND END PLATES FOR CAP FROM TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.







SECTION C-C

NOTES

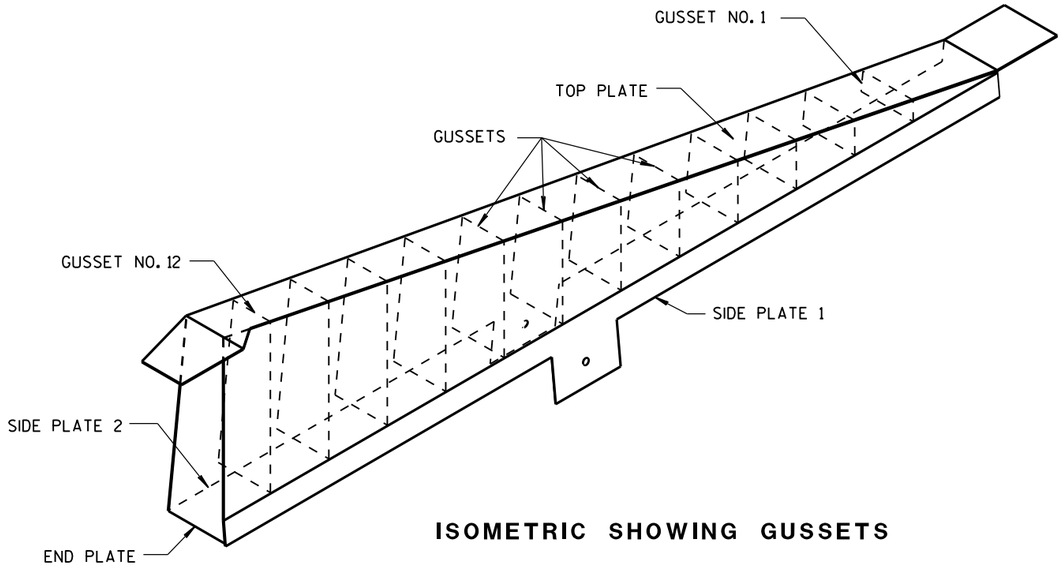
1. FOUR GUSSETS AND END PLATE ARE STITCH WELDED ON THREE SIDES.
2. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE, AND GUSSETS.

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

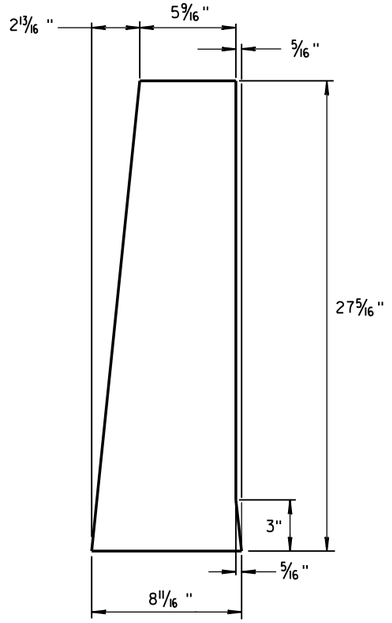
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 14 B 7-15g

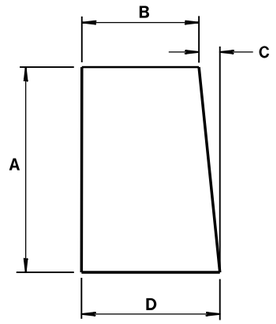


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



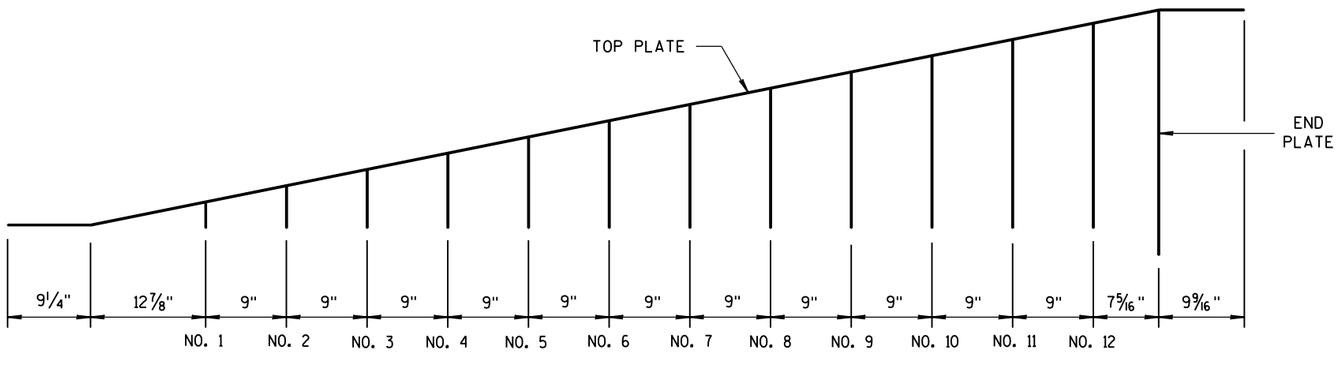
GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
1	2 7/8"	7 3/4"	1/4"	8
2	4 11/16 "	7 9/16 "	1/2"	8
3	6 1/2"	7 3/8"	11/16 "	8 1/16 "
4	8 5/16 "	7 3/16 "	7/8"	8 1/16 "
5	10 1/8"	7"	1 1/16 "	8 1/16 "
6	11 15/16 "	6 13/16 "	1 1/4"	8 1/16 "
7	13 3/4"	6 5/8"	1 7/16 "	8 1/16 "
8	15 9/16 "	6 7/16 "	1 9/16 "	8 1/16 "
9	17 3/8"	6 1/4"	1 13/16 "	8 1/16 "
10	19 3/16 "	6 1/16 "	1 15/16 "	8 1/16 "
11	21"	5 7/8"	2 3/16 "	8 1/16 "
12	22 13/16 "	5 11/16 "	2 5/16 "	8 1/16 "

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.



GUSSET LOCATION

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

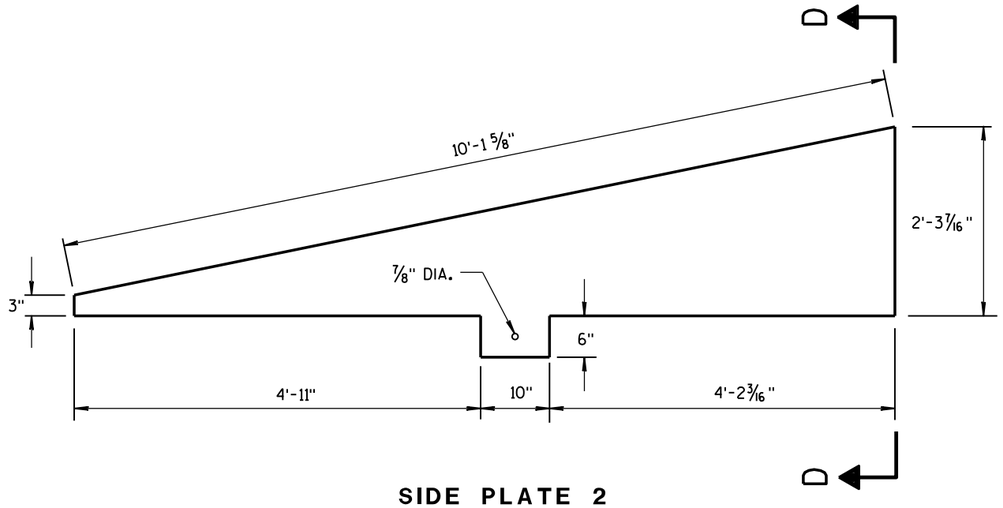
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI 682

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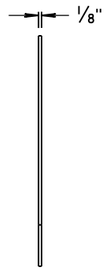
S.D.D. 14 B 7-15h

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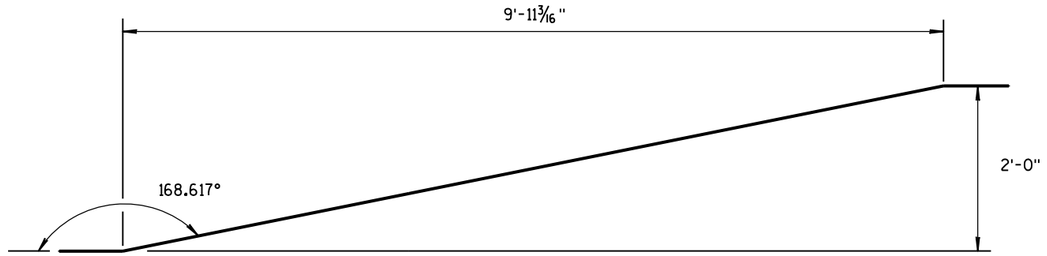
S.D.D. 14 B 7-15h



SIDE PLATE 2

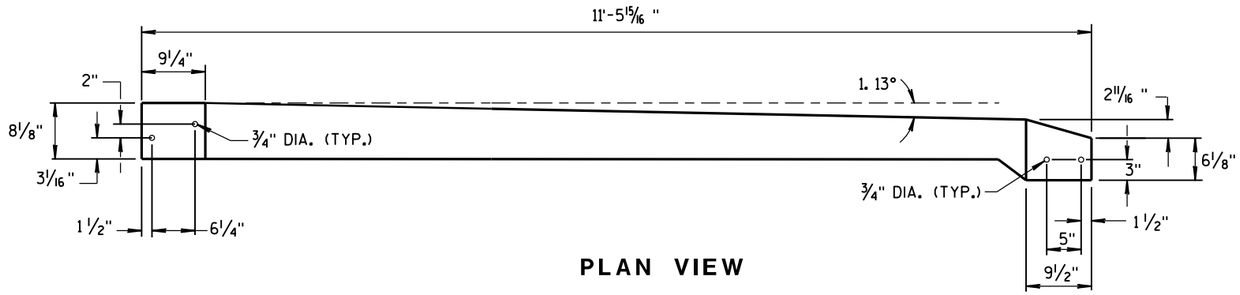


END VIEW



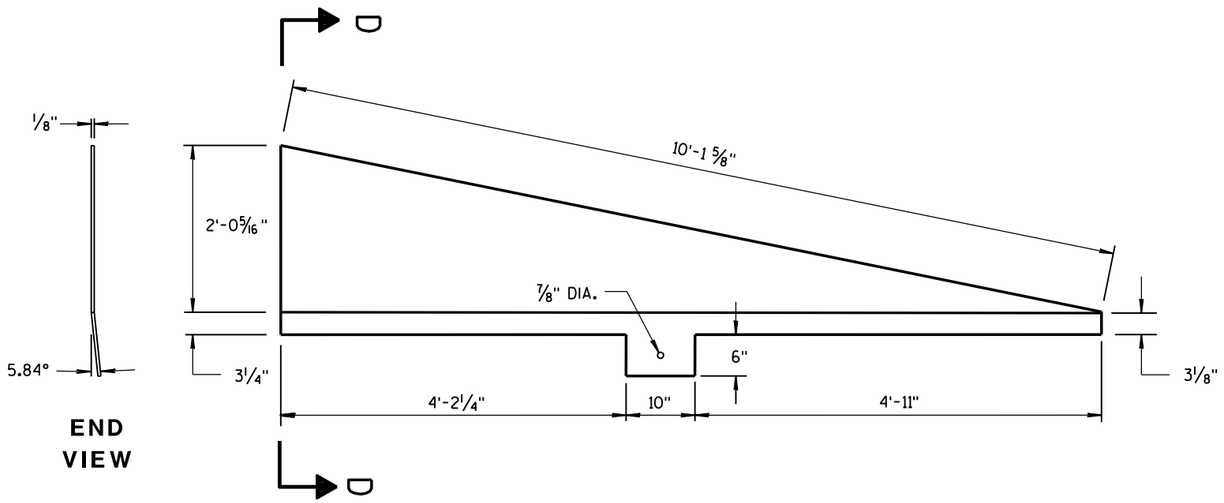
SIDE VIEW

TOP PLATE



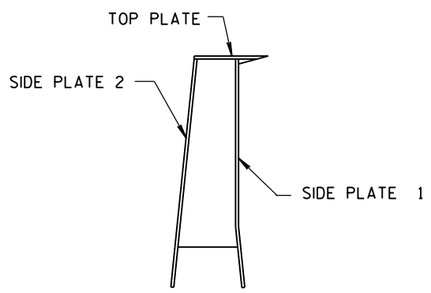
PLAN VIEW

TOP PLATE



END VIEW

SIDE PLATE 1



SECTION D-D

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERV

683

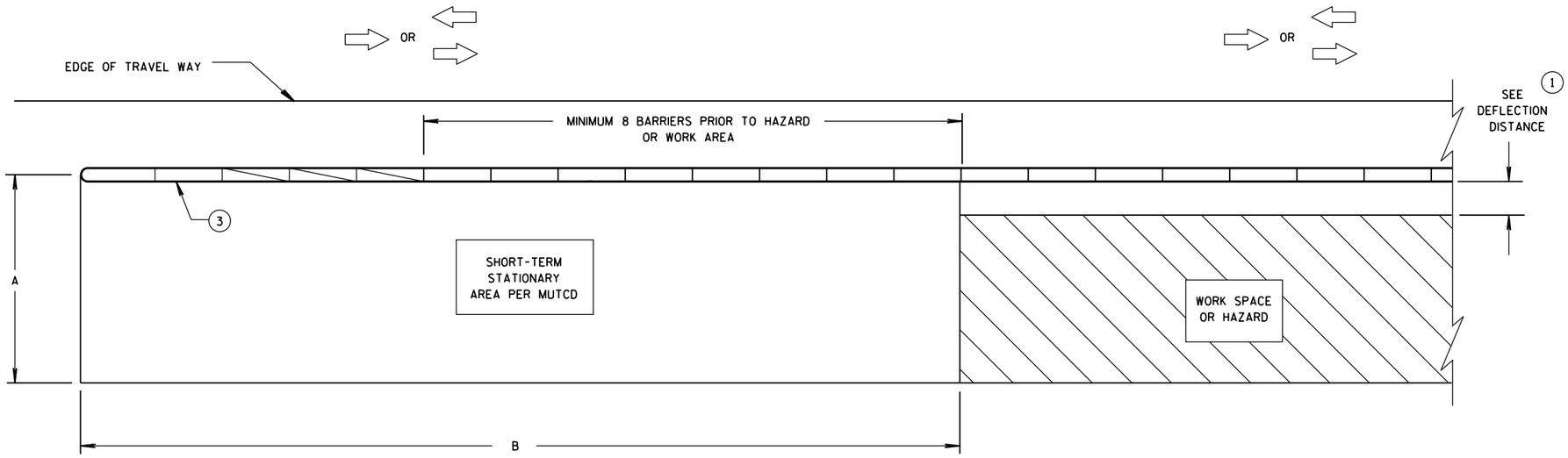
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S.D.D. 14 B 7-15i

6

S.D.D. 14 B 7-15i



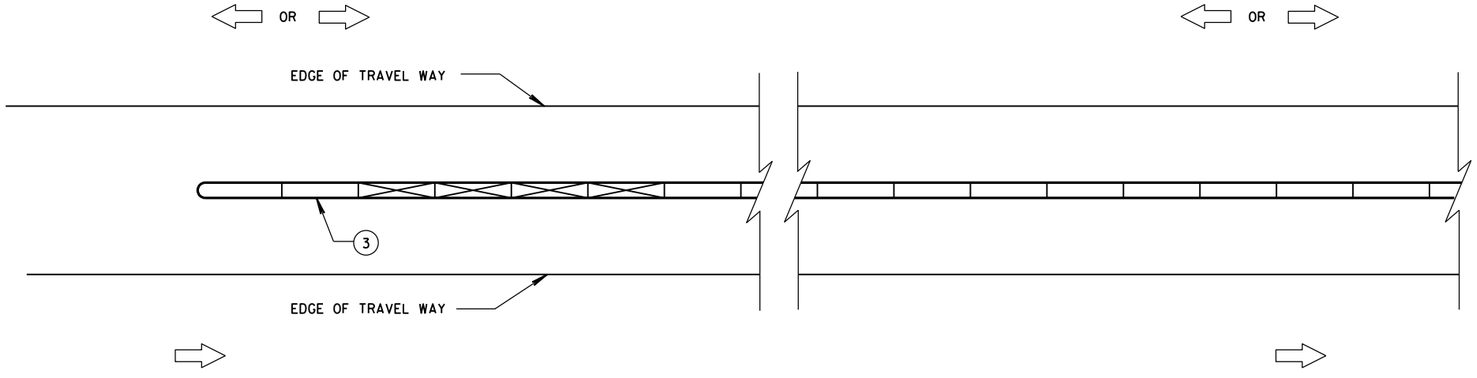
CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER

DIMENSION A TABLE (2)

FACILITY	POSTED SPEED MPH	DIMENSION A	
		MIN. FT	MAX. FT
FREEWAY/EXPRESSWAY	ALL	15	20
NON-FREEWAY/EXPRESSWAY	GREATER THAN OR EQUAL TO 45	10	15
NON-FREEWAY/EXPRESSWAY	LESS THAN 45	8	10
AADT LESS THAN 1,500	ALL	8	10

DIMENSION B TABLE (2)

POSTED SPEEDS MPH	DIMENSION B FT
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON BOTH SIDES OF BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

GENERAL NOTES

SEE STANDARD DETAIL DRAWING 14B7 FOR MORE INFORMATION.

DETAILS PROVIDE A GENERAL LAYOUT OF TEMPORARY CONCRETE BARRIER, CRASH CUSHIONS, SAND BARREL ARRAYS AND TIE DOWN TRANSITIONS. DETAILS PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

ADDITIONAL TEMPORARY BARRIER MAY BE REQUIRED TO PROTECT TRAVELING PUBLIC FROM HAZARDS, CONTRACTOR'S OPERATIONS OR TO CONTROL TRAFFIC.

TEMPORARY BARRIER MAY BE REQUIRED TO BE ANCHORED TO PAVEMENT OR BRIDGE DECK.

FOR DETAILS ON CRASH CUSHION OR SAND BARREL ARRAYS SEE OTHER SECTIONS OF THE PLAN AND MANUFACTURE'S DETAILS.

SLOPES LEADING TO TEMPORARY BARRIER, CRASH CUSHION OR SAND BARREL ARRAY ARE 10:1 OR LESS.

(1) FOR DEFLECTION INFORMATION SEE STANDARD DETAIL DRAWING 14B7.

(2) VALUES PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

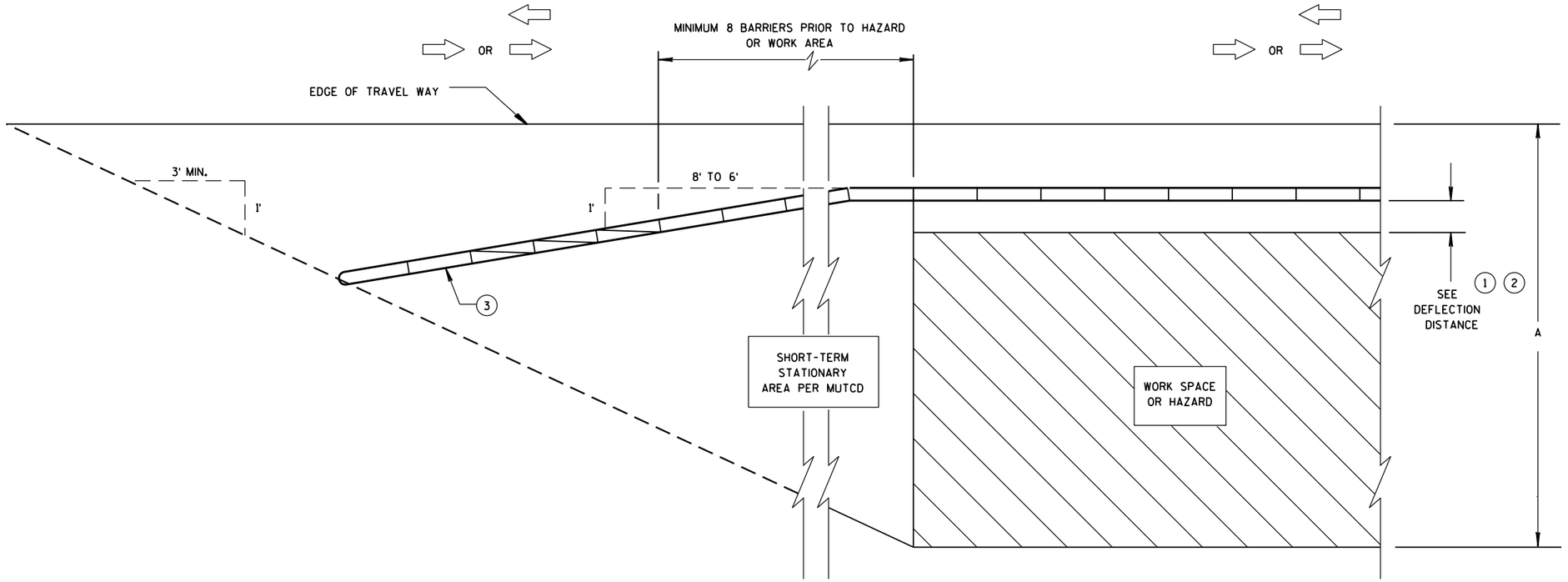
(3) ANCHOR TEMPORARY BARRIER ACCORDING TO CRASH CUSHION OR SAND BARREL MANUFACTURER'S RECOMMENDATIONS. IF MANUFACTURER'S RECOMMENDATIONS ARE NOT PROVIDED, ANCHOR 3 PINS ON TRAFFIC SIDE.

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

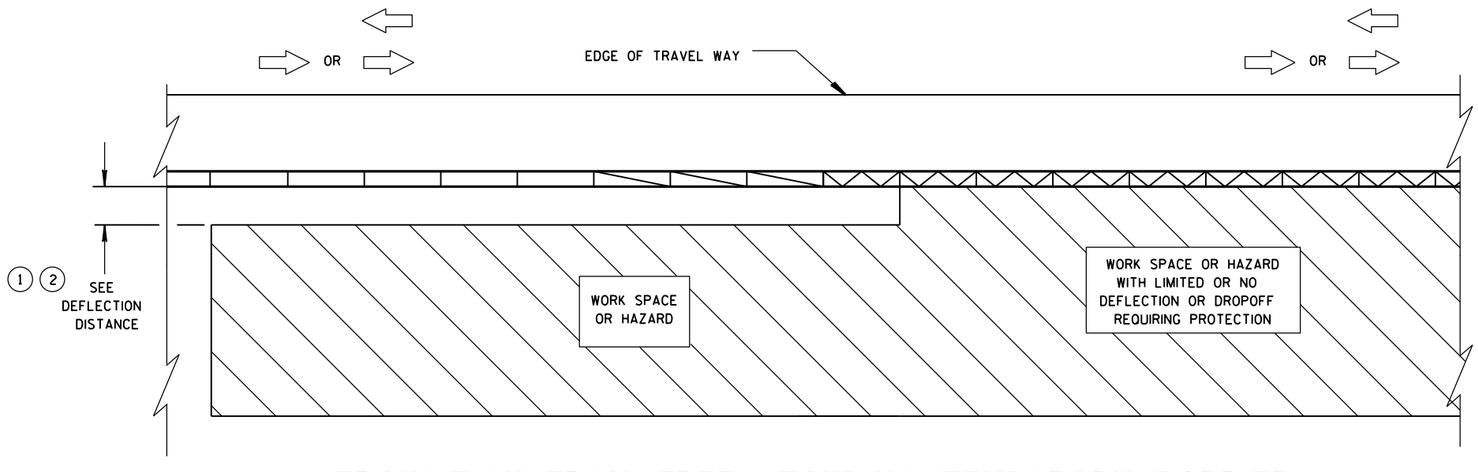
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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S.D.D. 14 B 8-2a



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE - FLARED INSTALLATION



TRANSITION FROM FREE STANDING TEMPORARY BARRIER TO ANCHORED BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

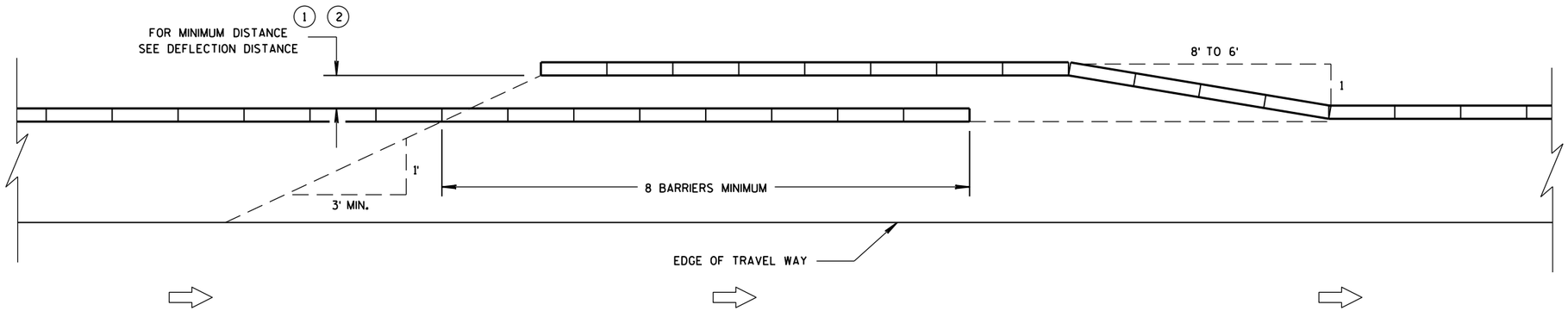
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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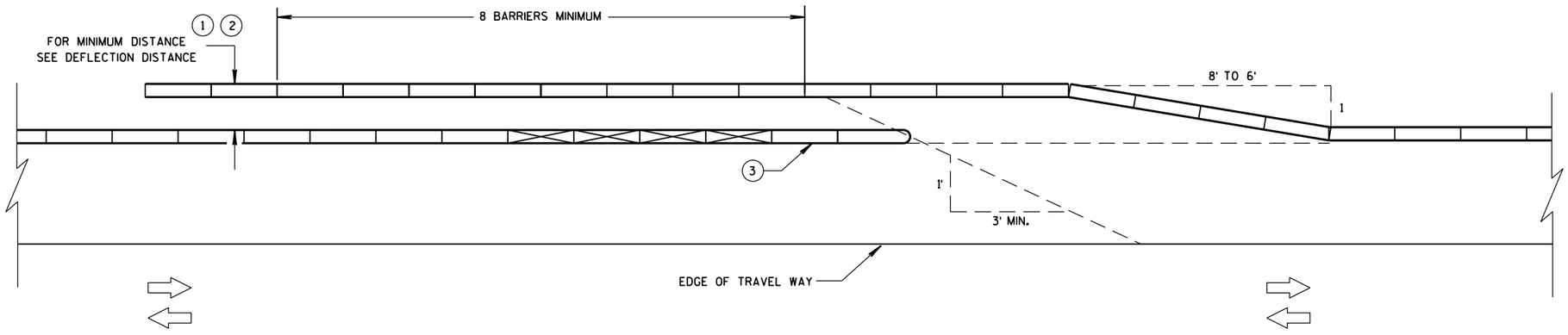
S.D.D. 14 B 8-2b

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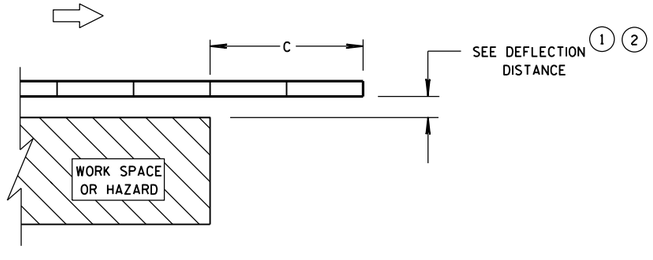
S.D.D. 14 B 8-2b



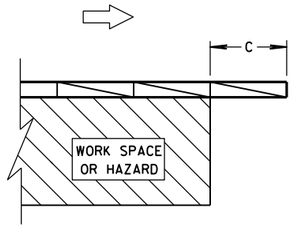
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



TEMPORARY BARRIER OVERLAP - TWO-WAY TRAFFIC



ENDING TEMPORARY BARRIER DOWNSTREAM - UNANCHORED



ENDING TEMPORARY BARRIER DOWNSTREAM - ANCHORED

LEGEND

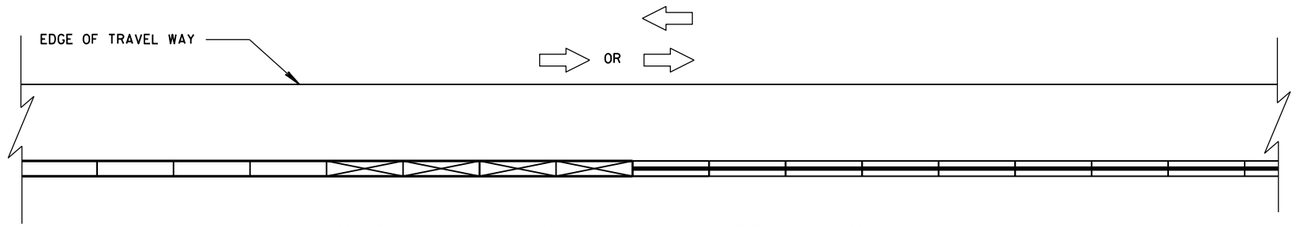
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

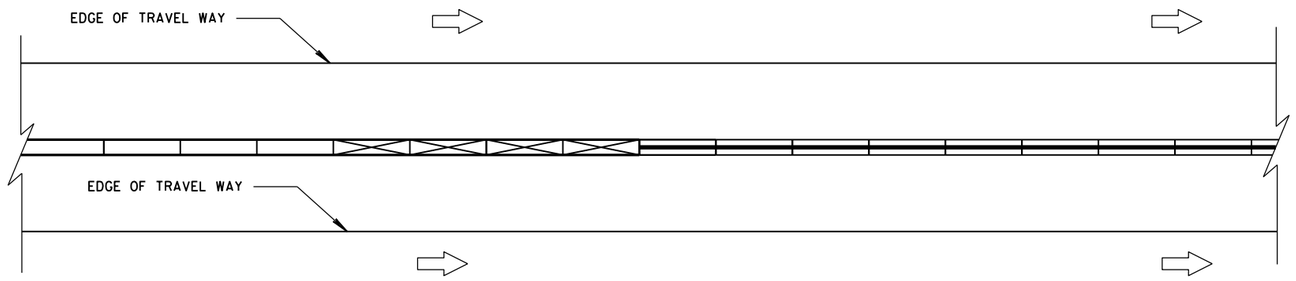
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 8-2c



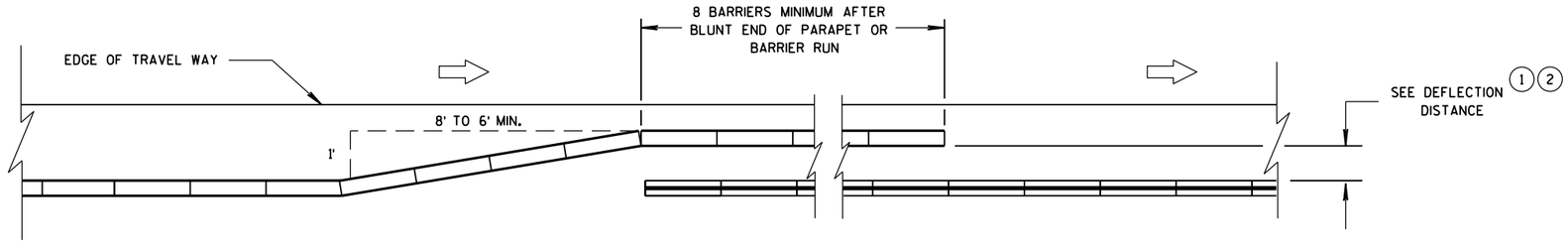
CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON ONE SIDE



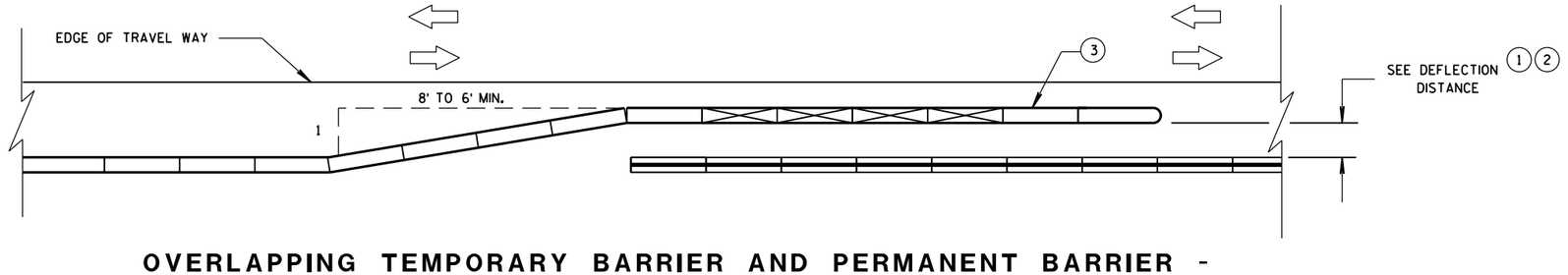
CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON BOTH SIDES

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
ONE WAY TRAFFIC



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
TWO WAY TRAFFIC

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 8-2d

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR SAND BARREL ARRAY

SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS

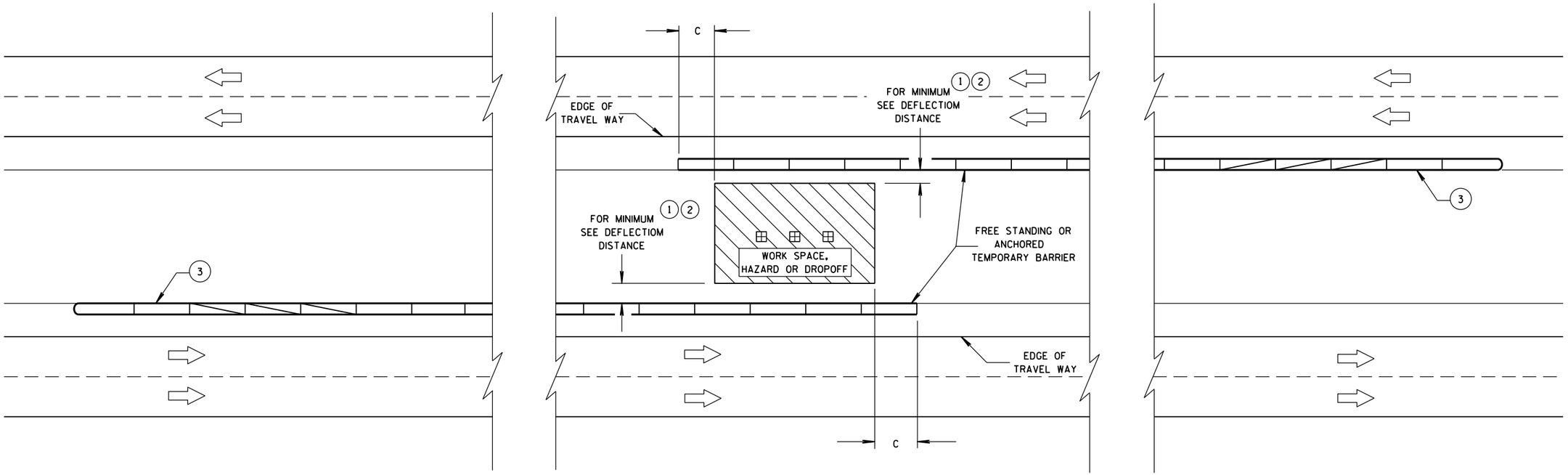
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET

FREE STANDING TEMPORARY BARRIER

DIMENSION C TABLE (2)

AVAILABLE DEFLECTION DISTANCE	MINIMUM LENGTH OF BARRIER BEYOND HAZARD FT
GREATER THAN 8'	12.5
LESS THAN OR EQUAL TO 8' BUT GREATER THAN 4'	50
LESS THAN OR EQUAL TO 4'	100



CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

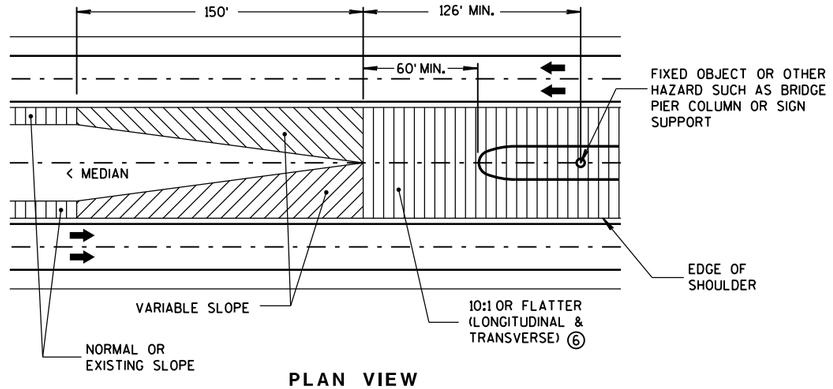
APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINNER
FHWA

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S.D.D. 14 B 8-2e

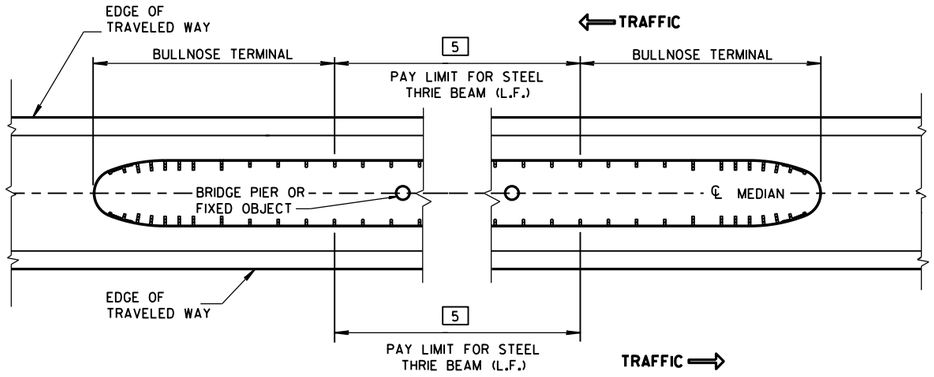
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S.D.D. 14 B 8-2e

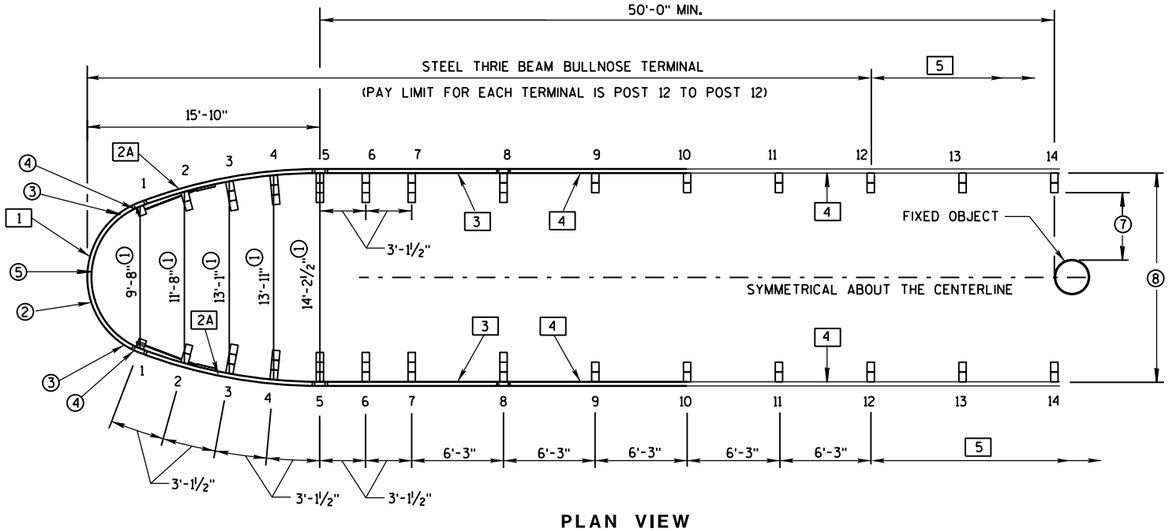


PLAN VIEW

GRADING AT BULLNOSE
(ALL INSTALLATIONS)

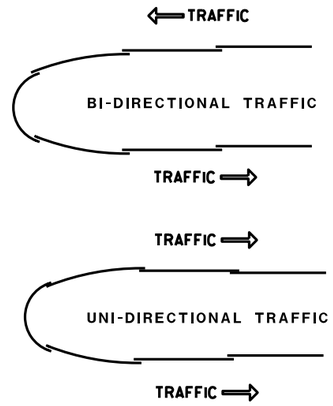


MEDIAN HAZARD PROTECTION PAY LIMITS



PLAN VIEW

TYPICAL BULLNOSE LAYOUT



LAPPING DETAIL
(ALL INSTALLATIONS)

GENERAL NOTES

SEE STANDARD DETAIL DRAWINGS 14 B 26a-e.

PUNCHING, DRILLING, CUTTING OR WELDING IS NOT PERMITTED ON ANY GALVANIZED THRIE BEAM ACCESSORY OR TERMINAL ACCESSORY.

OTHER ANCHOR CABLE ASSEMBLIES HAVING 40,000 LBS. MIN. BREAKING STRENGTH MAY BE USED.

FOR POSTS 2 THROUGH 14, IF POST CANNOT BE INSTALLED AT SPECIFIED LOCATION 1 EXTRA STANDARD WOOD BLOCK MAY BE ADDED.

THE USE OF STEEL POSTS ON THE BULLNOSE IS NOT ALLOWED.

BOLTS AND ALL NECESSARY HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 153.

ALL THRIE BEAM SHALL BE 12-GAUGE.

IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2½" AND 12" DIAMETER AROUND POST. SEE SDD 14B15 OR SDD 14B42 FOR MORE INFORMATION.

[1] SLOTTED THRIE BEAM RAIL NO. 1. (POST 1 TO POST 1)

[2A] SLOTTED THRIE BEAM RAIL NO. 2A. (POST 1 TO POST 5)

[3] SLOTTED THRIE BEAM RAIL NO. 3. (POST 5 TO POST 8)

[4] UNBENT STANDARD THRIE-BEAM RAIL NO.4. (POST 8 TO POST 10 & POST 10 TO POST 12)

[5] BEYOND POST 12: CONSTRUCT STEEL THRIE BEAM - USE UNBENT STANDARD THRIE BEAM RAIL NO. 5.

① DIMENSIONS ARE FROM BACK OF RAIL TO BACK OF RAIL WHERE RAIL IS BOLTED TO POST OR BLOCK.

② U-BOLT CABLE CLIPS (3 PER CABLE) SPACED OUT ON NOSE, TO HOLD CABLE TO BACKSIDE OF THE RAIL.

③ NOSE CABLE W/SWAGGED END BUTTONS.

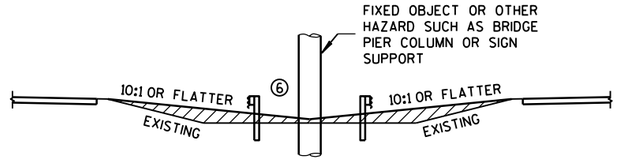
④ NOSE CABLE ANCHOR PLATE (BACKSIDE OF SPLICE).

⑤ THE SLACK IN THE NOSE CABLES SHALL BE EVENLY DISTRIBUTED BETWEEN THE CABLE CLIP FASTENERS AND POST NO. 1 ON EITHER SIDE OF THE NOSE.

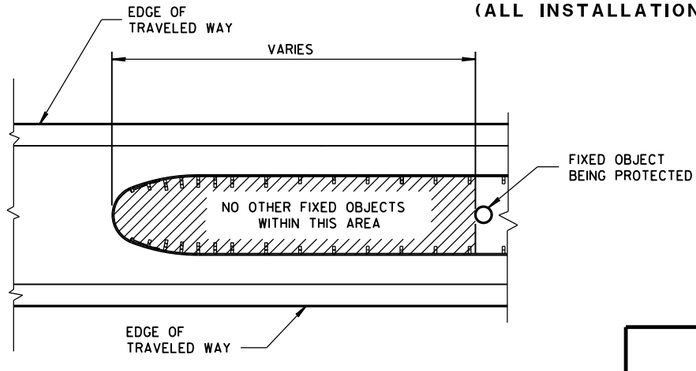
⑥ PROVIDE SUITABLE DRAINAGE WHEN MEDIAN GRADING IMPEDES NORMAL FLOW.

⑦ 2'-6" MINIMUM LATERAL DISTANCE BETWEEN BACK OF POST AND FACE OF FIXED OBJECT.

⑧ MAXIMUM WIDTH OF SYSTEM IS 14'-2½" MEASURED FROM BACK OF RAIL TO BACK OF RAIL WHERE RAIL IS BOLTED TO A POST OR BLOCK.



MEDIAN GRADING SECTION
(ALL INSTALLATIONS)

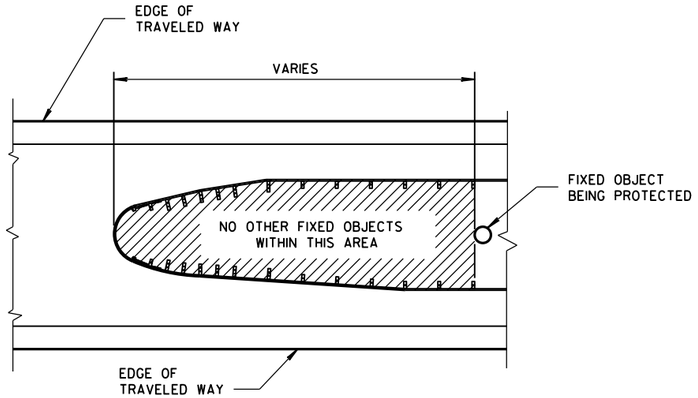


HAZARD FREE AREA INSIDE BULLNOSE

STEEL THRIE BEAM BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6
S.D.D. 14 B 26-3a



HAZARD FREE
AREA INSIDE BULLNOSE

GENERAL NOTES

SEE STANDARD DETAIL DRAWINGS 14 B 26a-e.

FOR POSTS 2 THROUGH 14, IF POST CANNOT BE INSTALLED AT SPECIFIED LOCATION 1 EXTRA STANDARD WOOD BLOCK MAY BE ADDED.

[1] SLOTTED THRIE BEAM RAIL NO. 1. (POST 1 TO POST 1)

[2A] SLOTTED THRIE BEAM RAIL NO. 2A, (POST 1 TO POST 5)

[2B] SLOTTED THRIE BEAM RAIL NO. 2B, (POST 1 TO POST 5)

[3] SLOTTED THRIE BEAM RAIL NO. 3. (POST 5 TO POST 8)

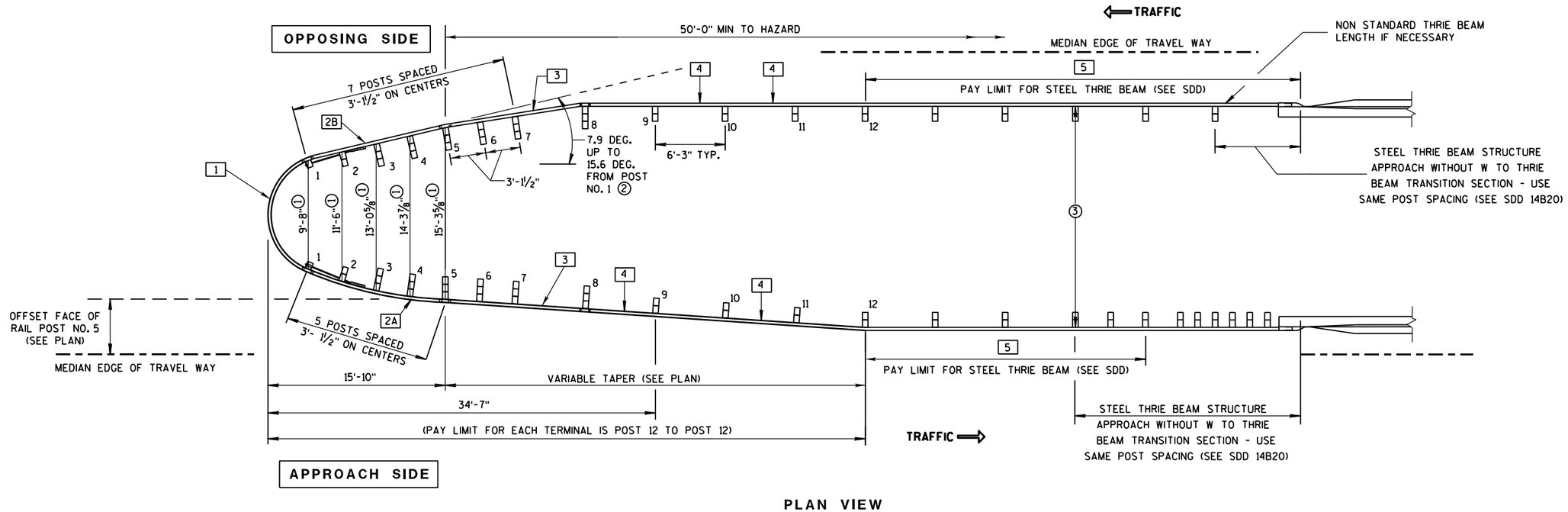
[4] UNBENT STANDARD THRIE-BEAM RAIL NO. 4, (POST 8 TO POST 10 & POST 10 TO POST 12)

[5] BEYOND POST 12: CONSTRUCT STEEL THRIE BEAM - USE UNBENT STANDARD THRIE BEAM RAIL NO. 5.

① DIMENSIONS ARE FROM BACK OF RAIL TO BACK OF RAIL WHERE RAIL IS BOLTED TO POST.

② TAPER BEGINNING AT POST NO. 1 MUST CONTINUE TO POST NO. 5. PAST POST NO. 5 TAPER MAY END OR BE EXTENDED UP TO 15.6 DEGREES TO FIT VARIABLE MEDIAN WIDTHS. (SEE PLAN)

③ FOR MEDIANS WIDER THAN 14'-2½" MEASURED FROM BACK OF RAIL TO BACK OF RAIL WHERE RAIL IS BOLTED TO A POST OR BLOCK.



PLAN VIEW

WIDENED BULLNOSE DESIGN

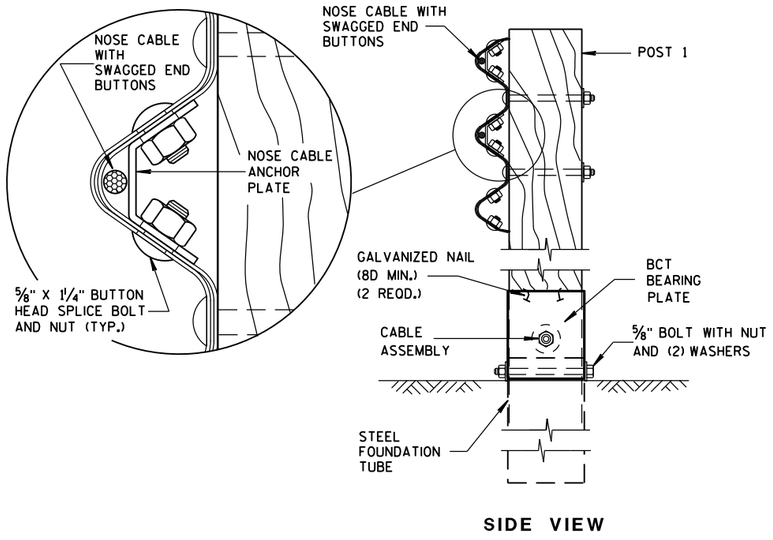
(INSTALLATION AT TWIN BRIDGES WITH BI-DIRECTIONAL TRAFFIC SHOWN)

STEEL THRIE BEAM BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

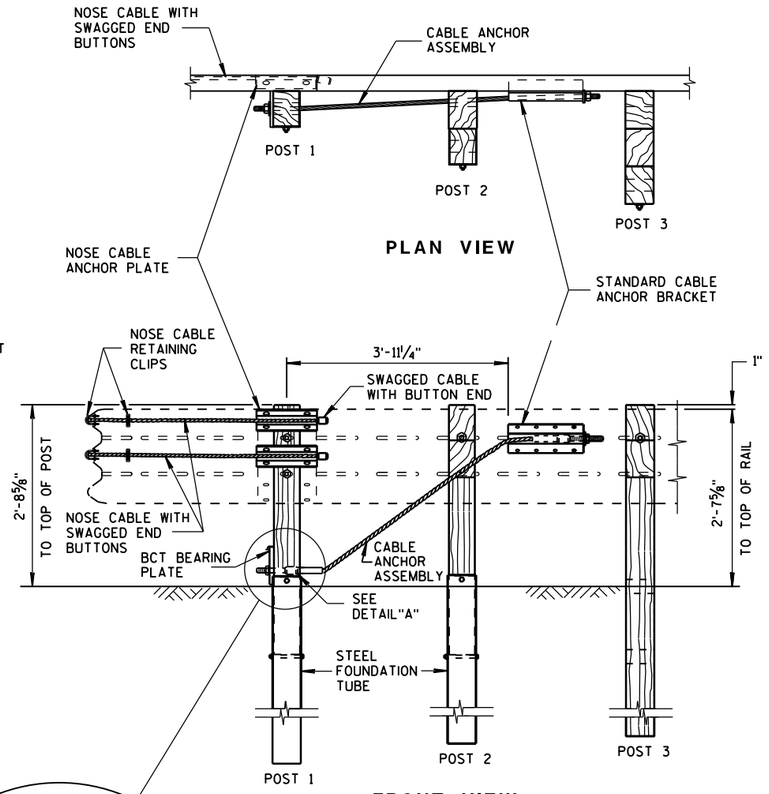
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S.D.D. 14 B 26-3b



SIDE VIEW

NOSE CABLE ASSEMBLY AT POST NO. 1



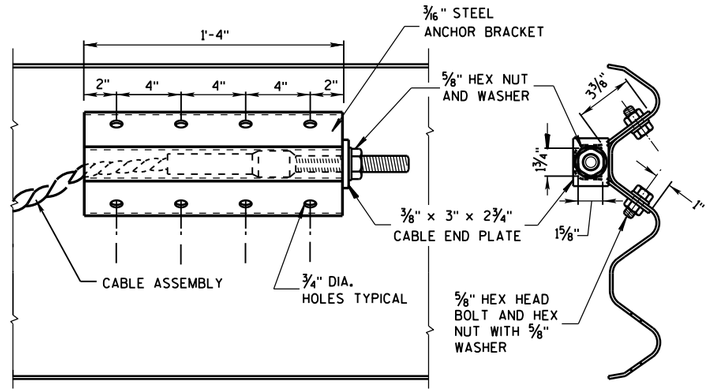
PLAN VIEW

FRONT VIEW

NOSE CABLE ANCHOR AND STANDARD BRACKET ASSEMBLY

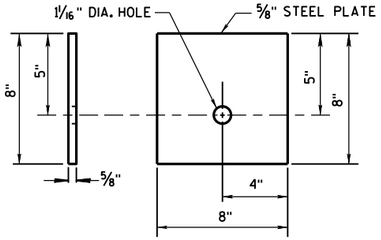
GENERAL NOTES

SEE STANDARD DETAIL DRAWINGS 14 B 26a-e.

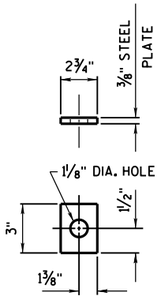


FRONT VIEW END VIEW

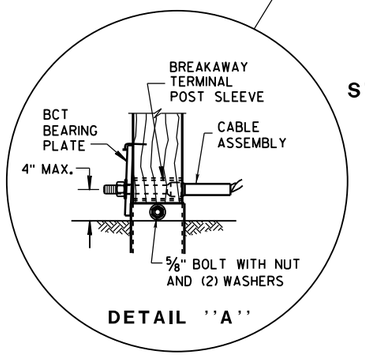
DETAILS OF CABLE ANCHOR BRACKET



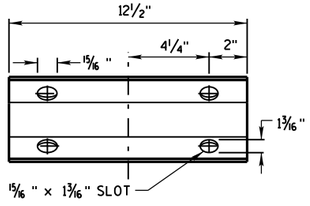
BCT BEARING PLATE



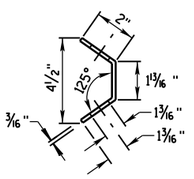
CABLE END PLATE



DETAIL ''A''



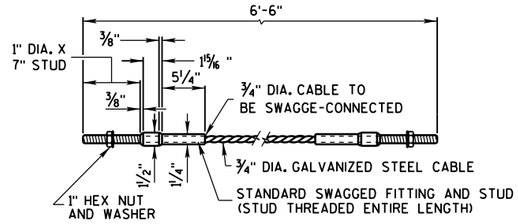
ELEVATION VIEW



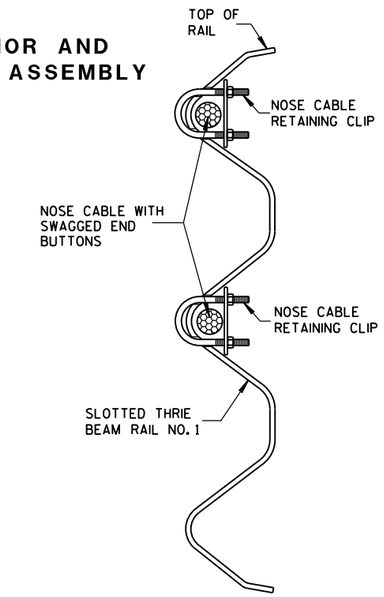
END VIEW

NOSE CABLE ANCHOR PLATE

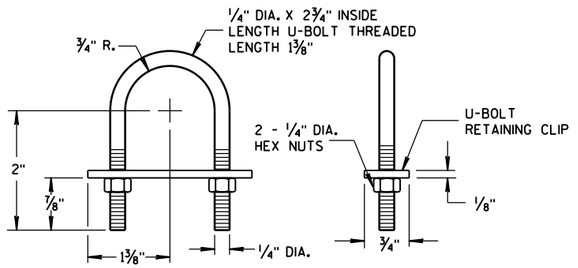
NOTE: 12 1/2" x 5 13/16" x 3/16" STEEL PLATE (A306)



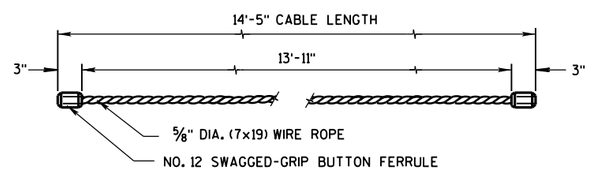
DETAILS OF CABLE ANCHOR ASSEMBLY



PLACEMENT OF NOSE CABLE RETAINING CLIP



NOSE CABLE RETAINING CLIP



NOSE CABLE WITH SWAGGED END BUTTONS

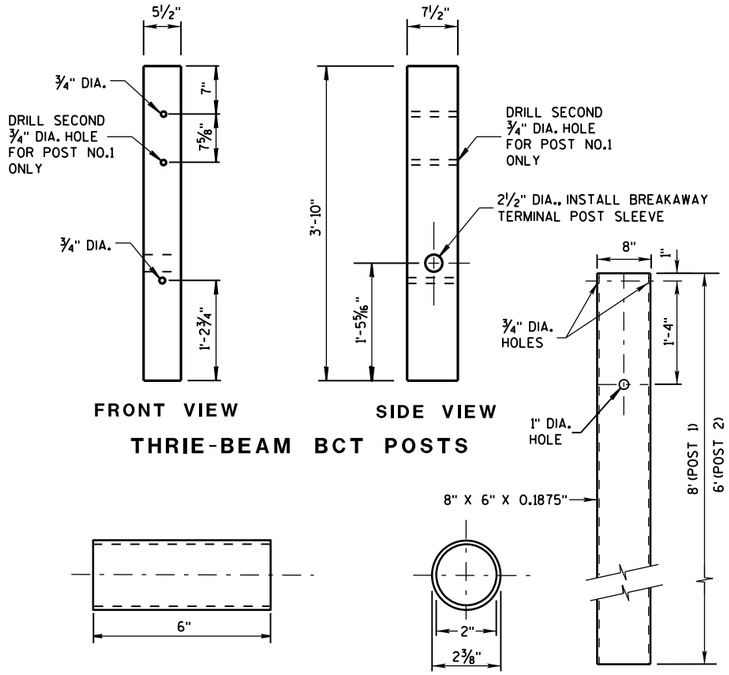
TO PULL OFF SWAGGED GRIP BUTTON FERRULE FROM WIRE ROPE REQUIRES A FORCE EQUAL TO 98% OF THE WIRE ROPE'S BREAKING STRENGHT.

STEEL THRIE BEAM BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 26-3c

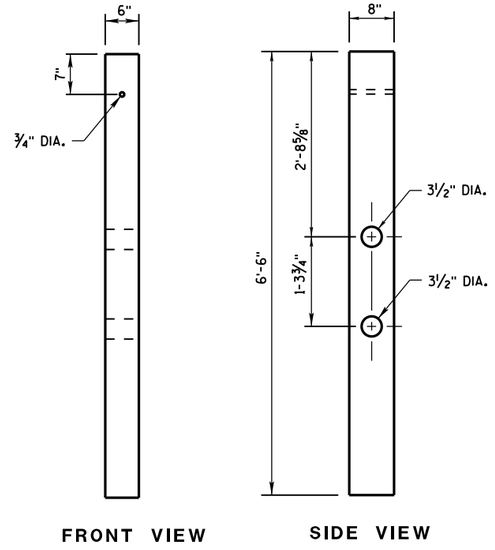


FRONT VIEW SIDE VIEW

THRIE-BEAM BCT POSTS

BREAKAWAY TERMINAL POST SLEEVE

STEEL FOUNDATION TUBE

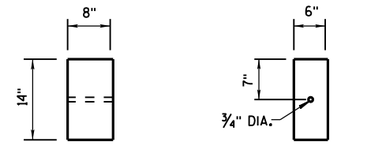


FRONT VIEW SIDE VIEW

THRIE-BEAM CRT WOOD POSTS

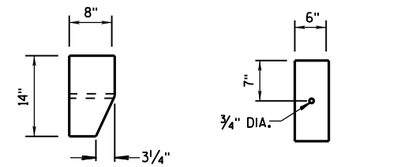
GENERAL NOTES

SEE STANDARD DETAIL DRAWINGS 14 B 26a-e.



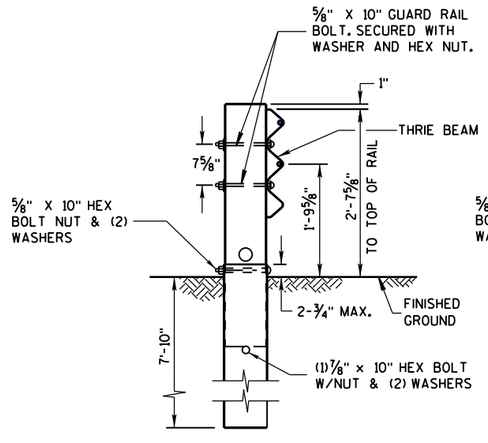
SIDE VIEW FRONT VIEW

STANDARD WOOD BLOCK



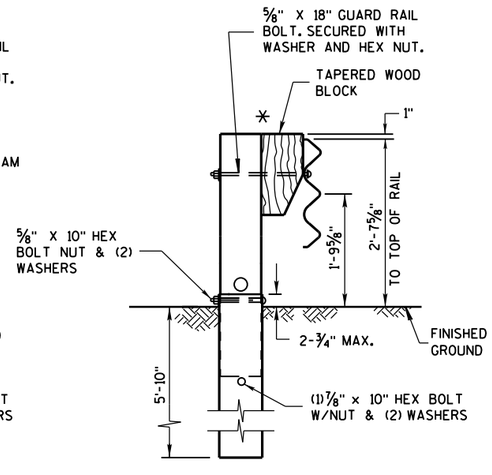
SIDE VIEW FRONT VIEW

TAPERED WOOD BLOCK



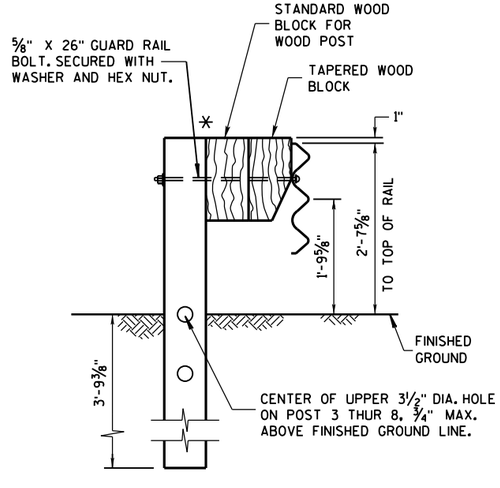
THRIE-BEAM BCT POST
(WITH 8'-0" FOUNDATION TUBE)

POST NO. 1



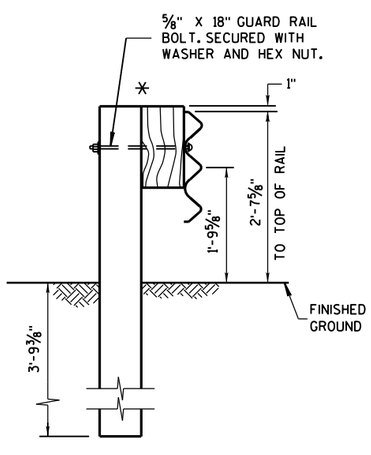
THRIE-BEAM BCT POST
(WITH 6'-0" FOUNDATION TUBE AND 1'-2" TAPERED BLOCK)

POST NO. 2



THRIE-BEAM CRT POST
(6'-6" LONG POST WITH 1'-2" BLOCK AND 1'-2" TAPERED BLOCK)

POST NO. 3,4,5,6,7, & 8



THRIE-BEAM POST
(6'-6" LONG POST WITH 1'-2" BLOCK)

POST NO. 9,10,11,& 12
(ALSO USE FOR STEEL THRIE BEAM BEYOND POST 12)

* IF NEEDED DUE TO AN UNDERGROUND OBSTACLE ADD 1 ADDITIONAL STANDARD BLOCKOUT TO POST.

STEEL THRIE BEAM BULLNOSE TERMINAL

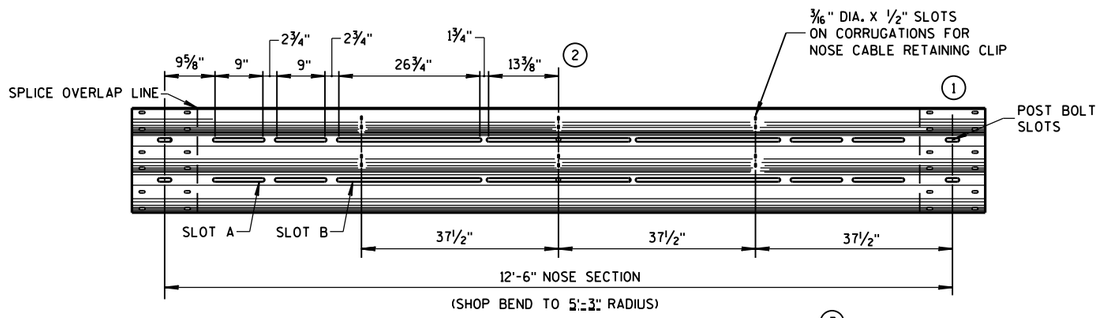
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 692

6

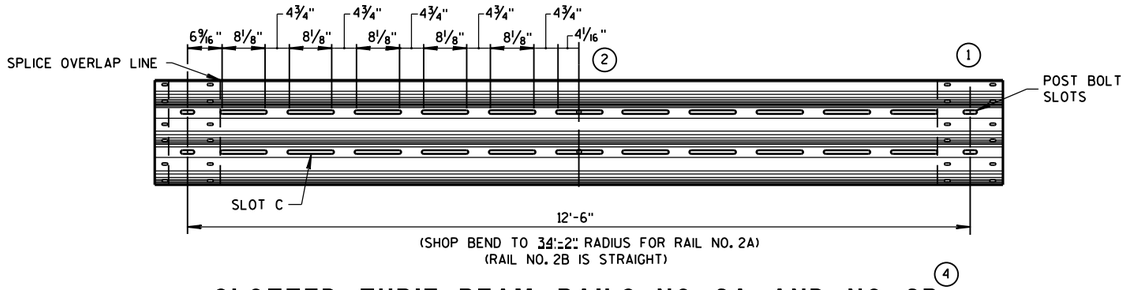
S.D.D. 14 B 26-3d

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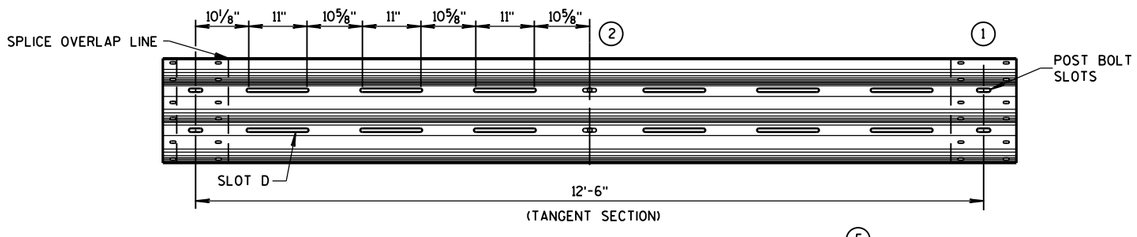
S.D.D. 14 B 26-3d



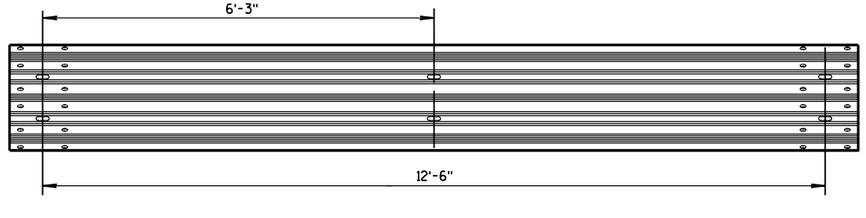
SLOTTED THRIE BEAM RAIL NO. 1 (3)



SLOTTED THRIE BEAM RAILS NO. 2A AND NO. 2B (4)



SLOTTED THRIE BEAM RAIL NO. 3 (5)



UNBENT STANDARD THRIE BEAM RAIL NO. 4 AND NO. 5

GENERAL NOTES

SEE STANADRD DETAIL DRAWINGS 14 B 26a-e.

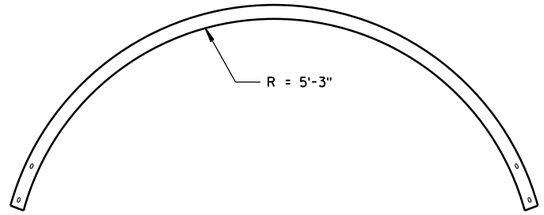
(1) SLOTTED THRIE BEAM RAIL DIMENSIONS SHOWN ARE BEFORE BENDING TO THE RADIUS SHOWN.

(2) SLOT SIZE AND SPACING SYMMETRIC.

(3) SLOTTED THRIE BEAM RAIL NO. 1, 12'-6", SHOP BEND TO R=5'-3".

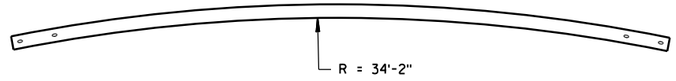
(4) SLOTTED THRIE BEAM RAIL NO. 2A, 12'-6", SHOP BEND TO R=34'-2".
SLOTTED THRIE BEAM RAIL NO. 2B, 12'-6", RAIL IS STRAIGHT.

(5) SLOTTED THRIE BEAM RAIL NO. 3, 12'-6", TANGENT.



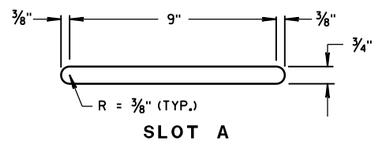
PLAN VIEW

SLOTTED THRIE BEAM RAIL NO. 1

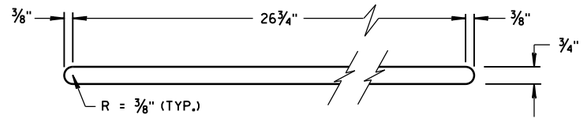


PLAN VIEW

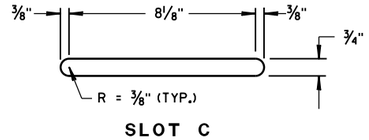
SLOTTED THRIE BEAM RAIL NO. 2A



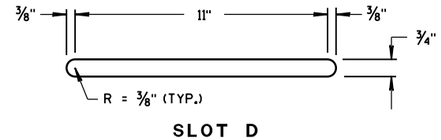
SLOT A



SLOT B



SLOT C



SLOT D

SLOT DETAILS

STEEL THRIE BEAM
BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

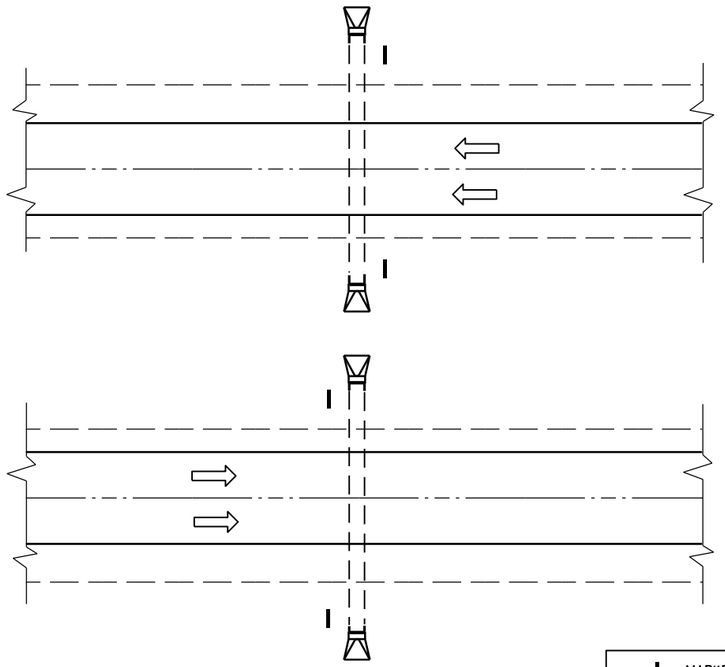
APPROVED
June 2014 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
693
NT
FHWA

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S.D.D. 14 B 26-3e

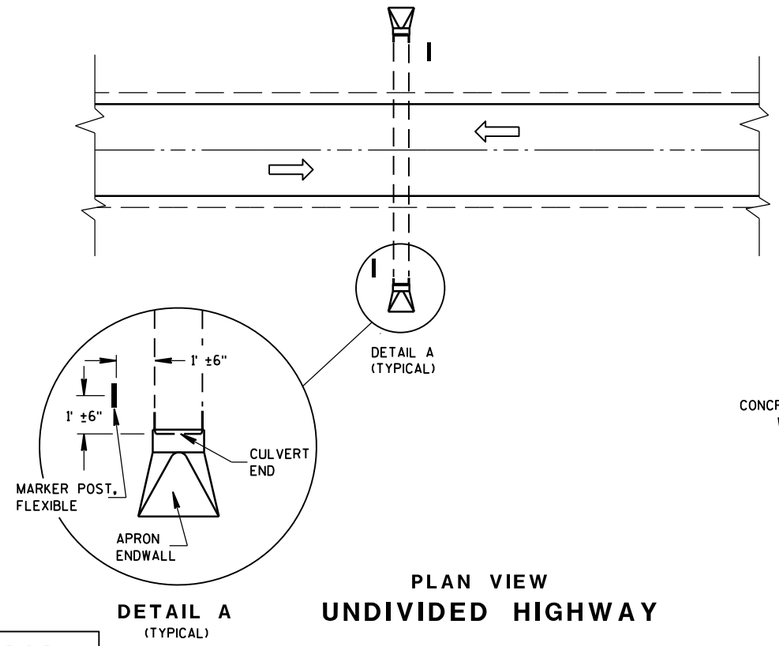
6

S.D.D. 14 B 26-3e



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

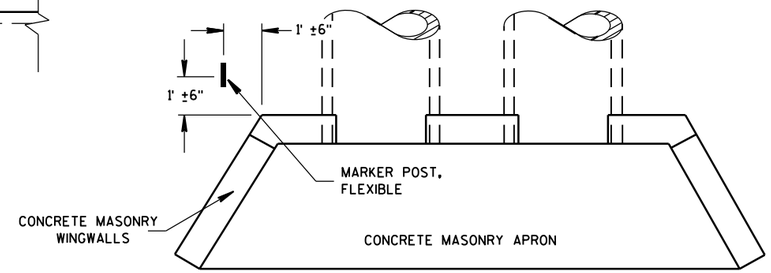
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

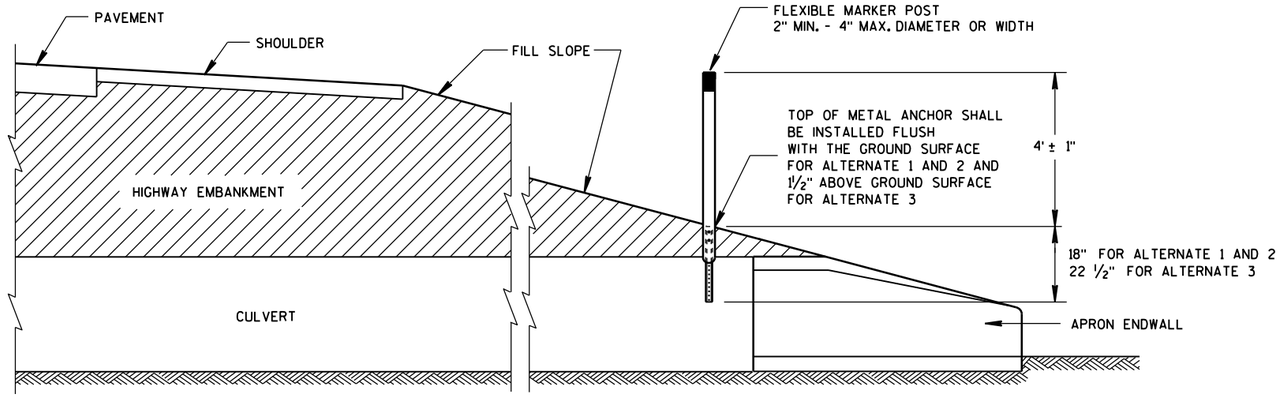
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



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

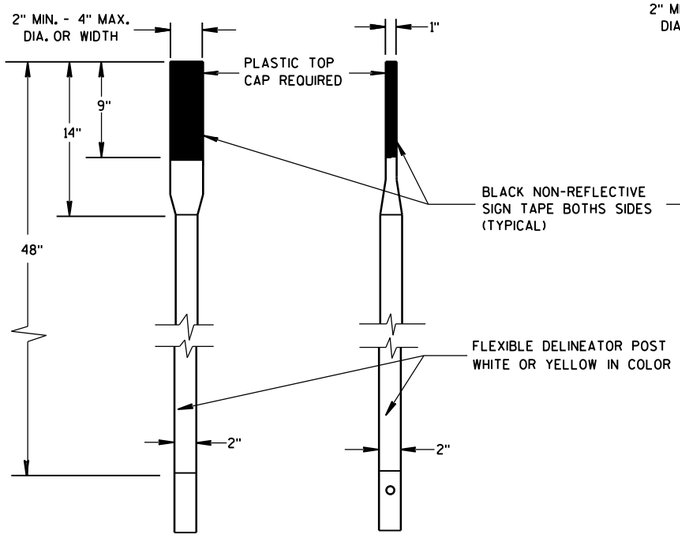
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

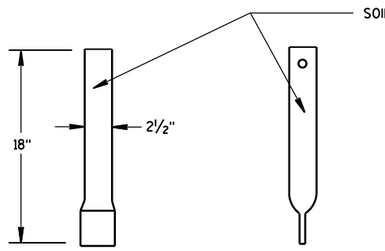
6

S.D.D. 15 A 3-2a

6

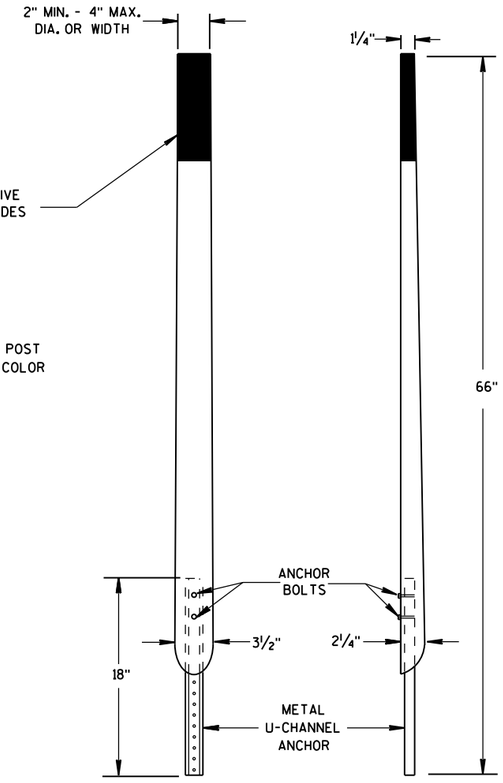
S.D.D. 15 A 3-2a





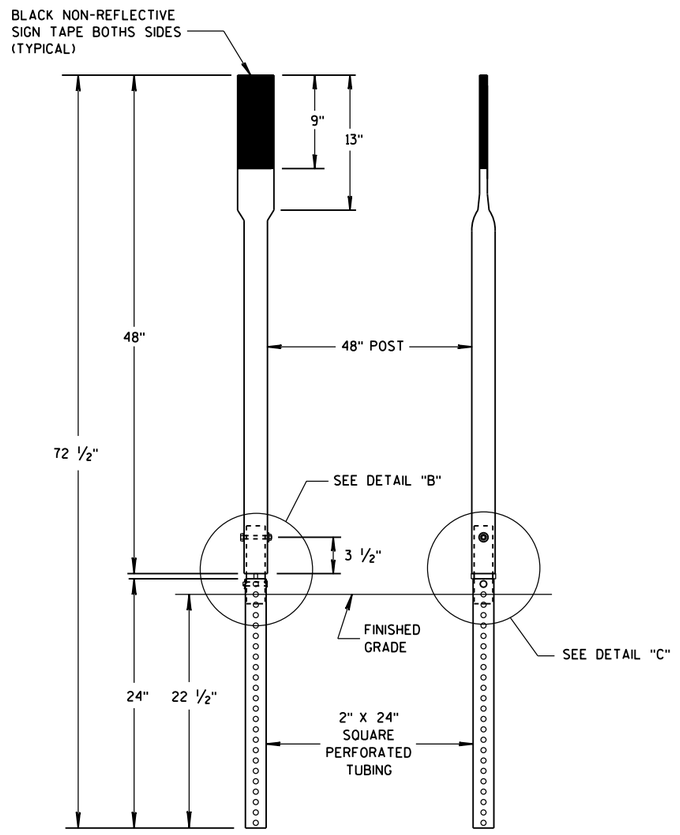
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

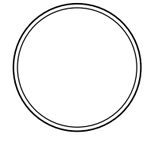
ALTERNATE 2



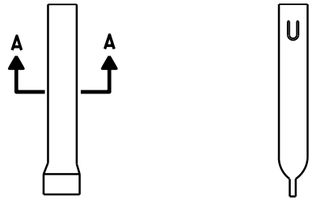
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS

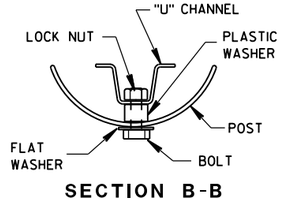


SECTION A-A

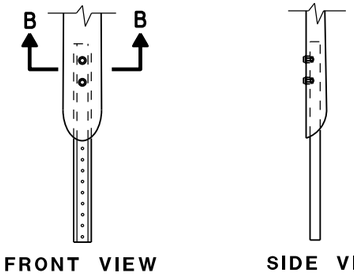


FRONT VIEW SIDE VIEW

ALTERNATE 1

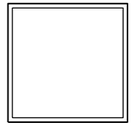


SECTION B-B

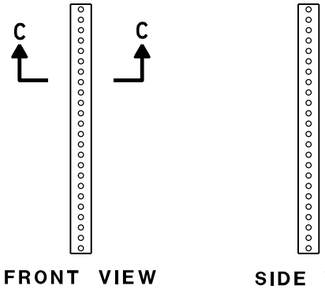


FRONT VIEW SIDE VIEW

ALTERNATE 2



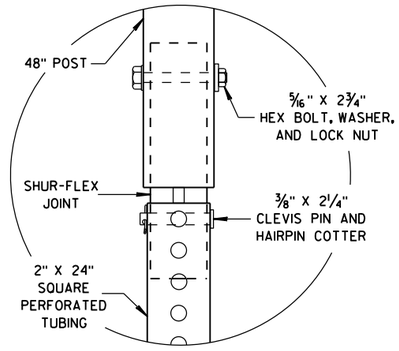
SECTION C-C



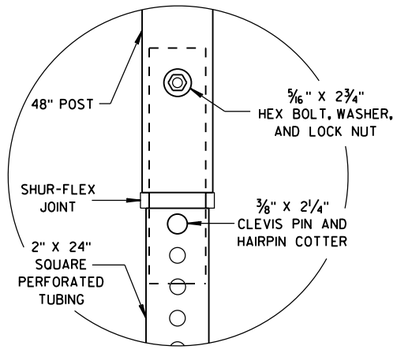
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

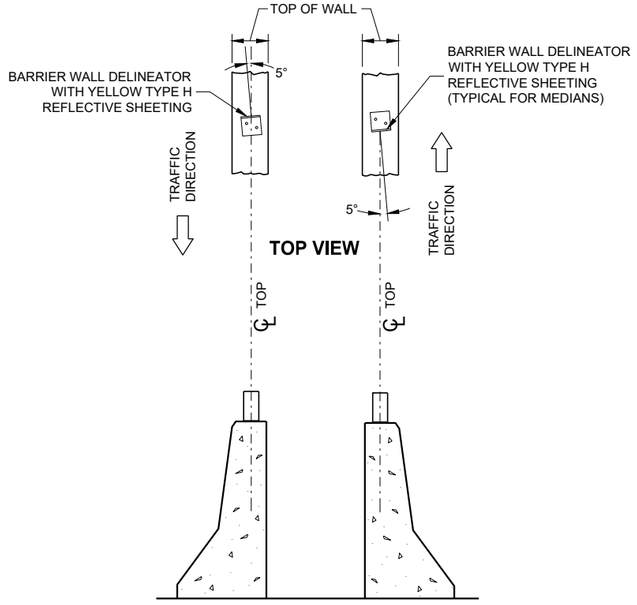
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

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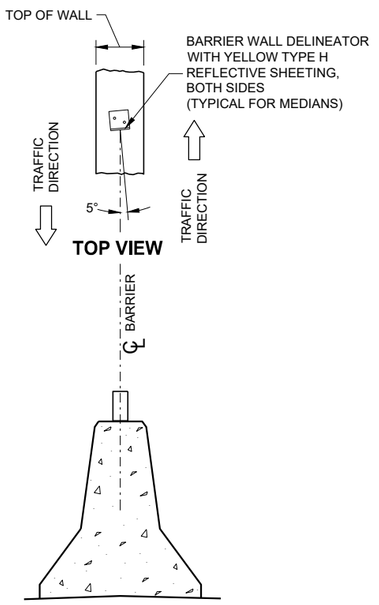
S.D.D. 15 A 3-2b

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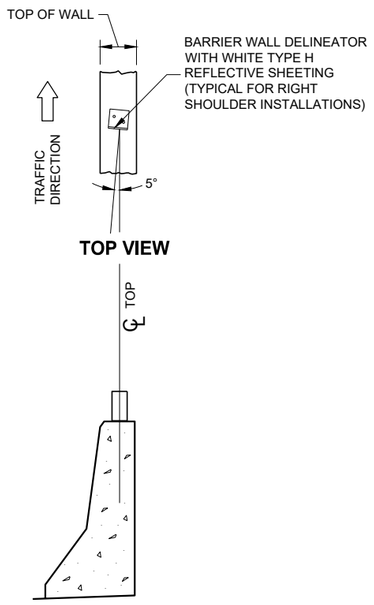
S.D.D. 15 A 3-2b



SIDE VIEW
DOUBLE BARRIERS IN MEDIAN

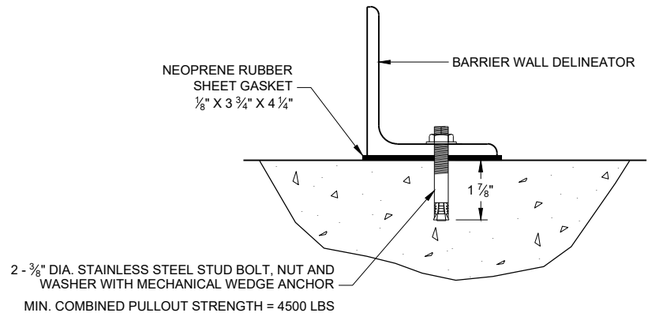


SIDE VIEW
MEDIAN BARRIER

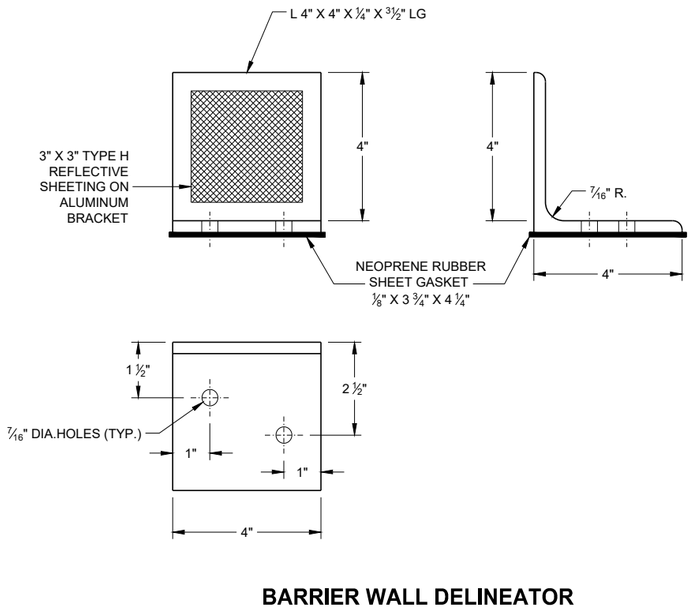


SIDE VIEW
TO RIGHT OF TRAFFIC FLOW

LOCATION AND AIMING DETAILS FOR BARRIER WALL DELINEATOR MOUNTED ON CONCRETE BARRIERS



BARRIER WALL DELINEATOR MOUNTING DETAIL



BARRIER WALL DELINEATOR

REFLECTOR SPACING TABLE

REFLECTOR SPACING	MINIMUM NUMBER OF REFLECTORS
100' C-C	3

BARRIER WALL DELINEATOR WITH REFLECTIVE SHEETING

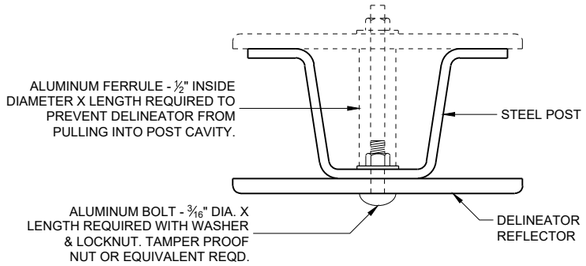
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

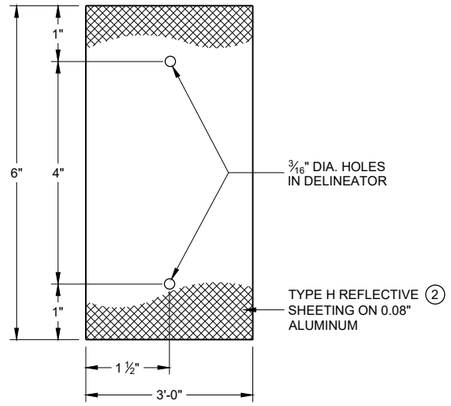
FHWA

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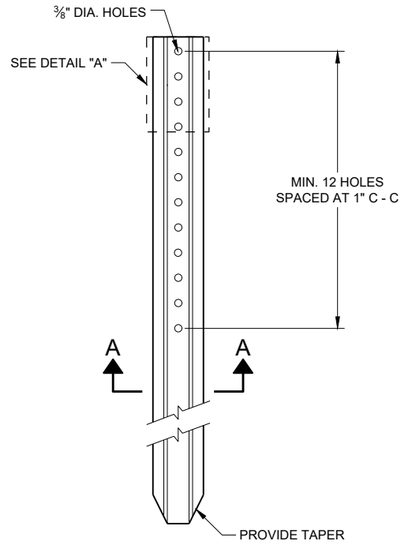
SDD 15A04 - 05b



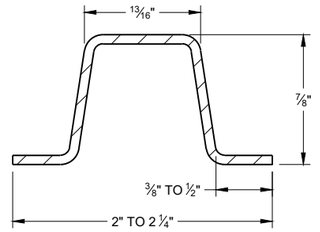
MOUNTING DETAIL FOR DELINEATOR REFLECTOR



DETAIL "A" 3" X 6" DELINEATOR REFLECTOR



DELINEATOR POST



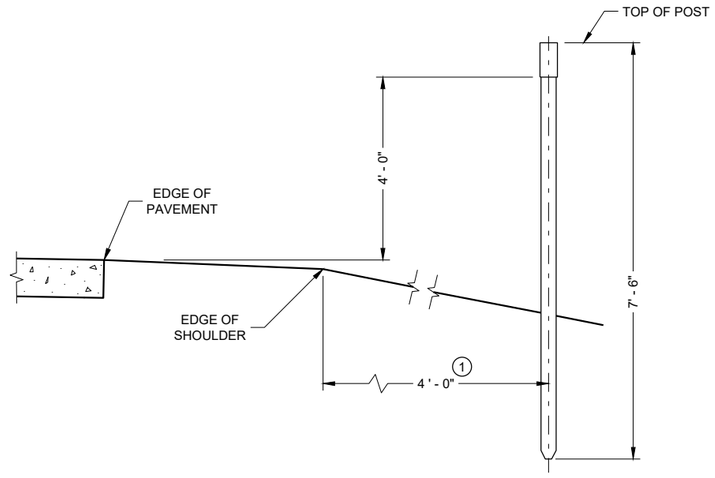
SECTION A - A

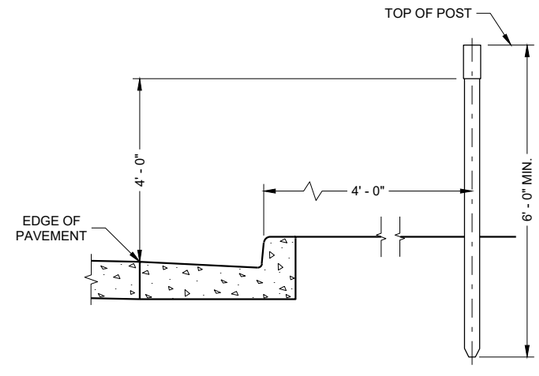
WEIGHT 1.12 LBS PER FT. \ 0.1 LB.

REFLECTOR SPACING TABLE

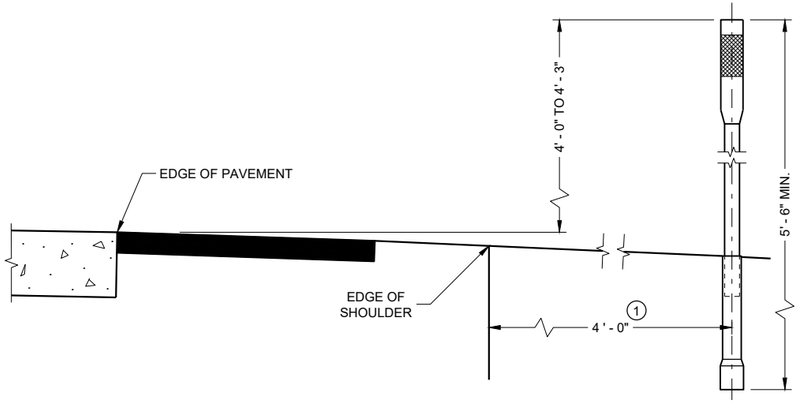
REFLECTOR SPACING	LOCATION
* 100' C-C	RAMPS
400' C-C	MAINLINE

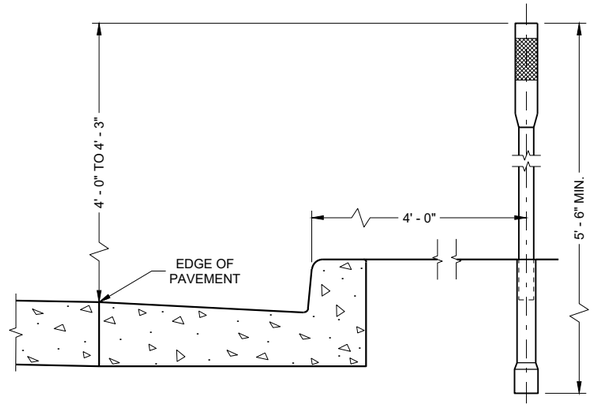
* START AT BEGINNING OF RAMP TAPER AND END AT END OF RAMP TAPER





TYPICAL INSTALLATIONS OF DELINEATOR POSTS





TYPICAL INSTALLATIONS OF FLEXIBLE DELINEATOR POSTS

GENERAL NOTES

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

1. DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.
2. FURNISH TYPE H SHEETING FROM THE APPROVED PRODUCTS LIST.

DELINEATOR POST WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

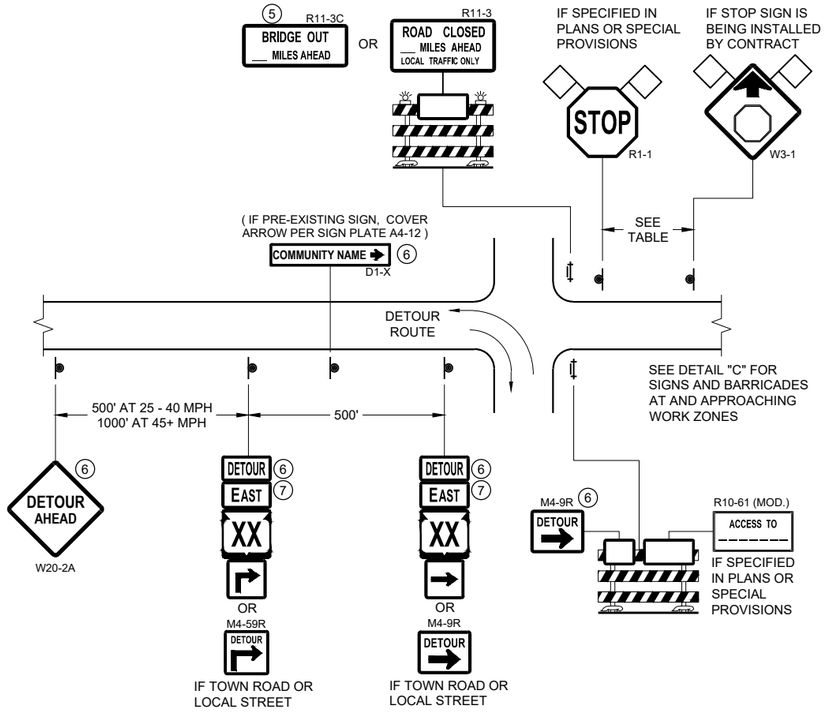
APPROVED
August 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

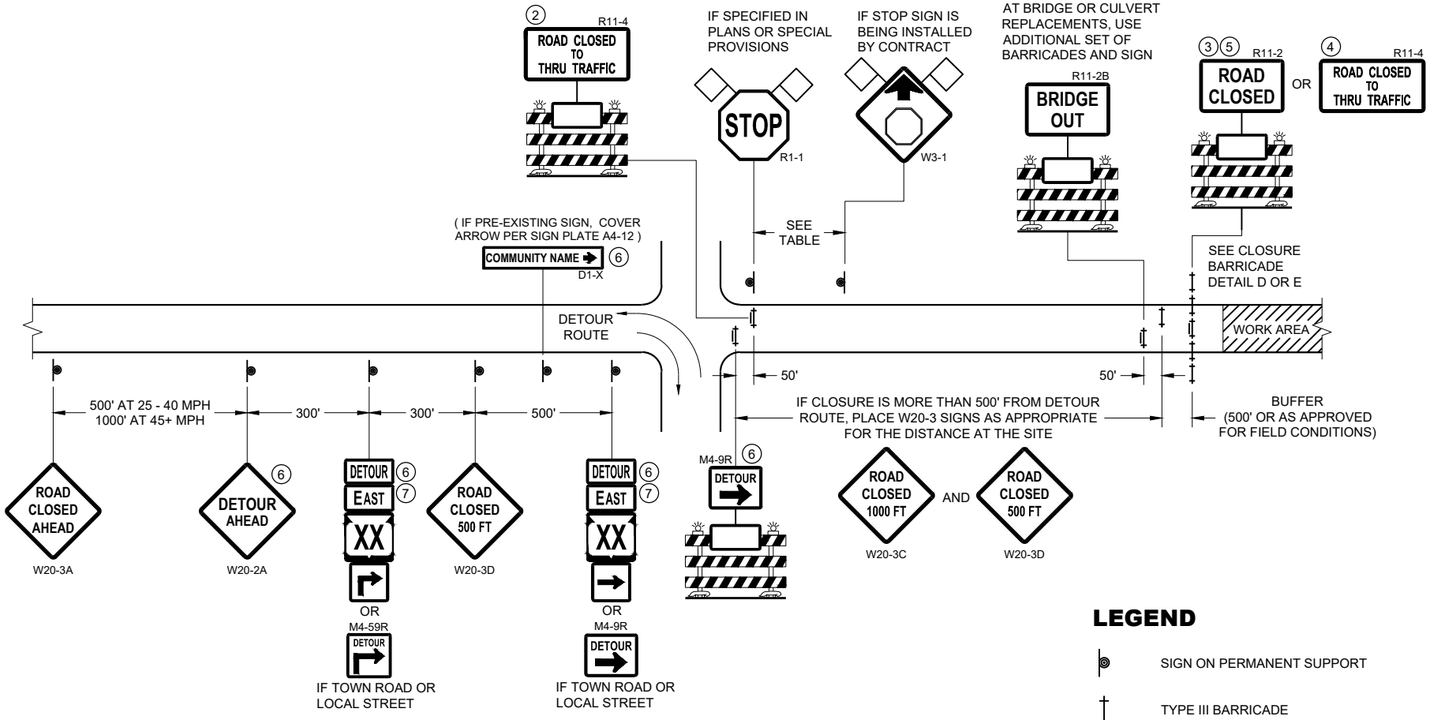
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SDD 15A04 - 05c
SDD 15A04 - 05c



DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



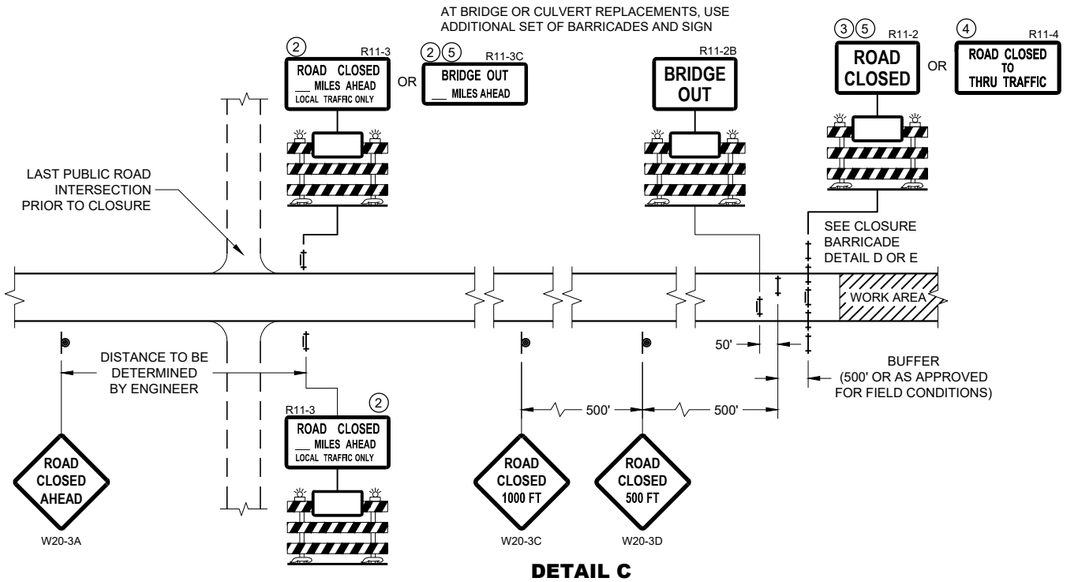
DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

DETOUR M4 - 8
EAST M3 - X
XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A
M05 - 1 OR M06 - 1



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

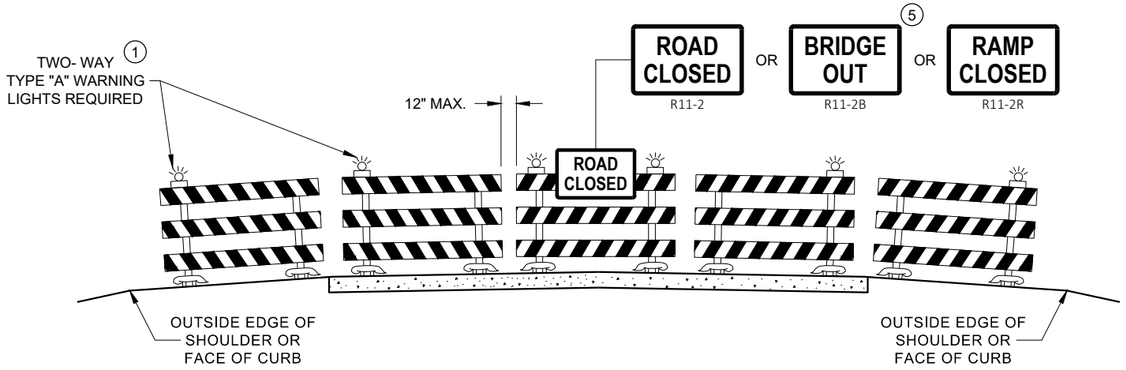
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

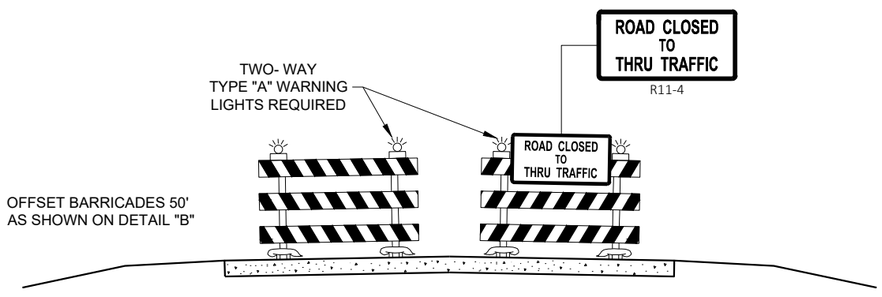
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SDD 15C02 - 08a

SDD 15C02 - 08a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE 699
FHWA

6
SDD 15C02 - 08b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

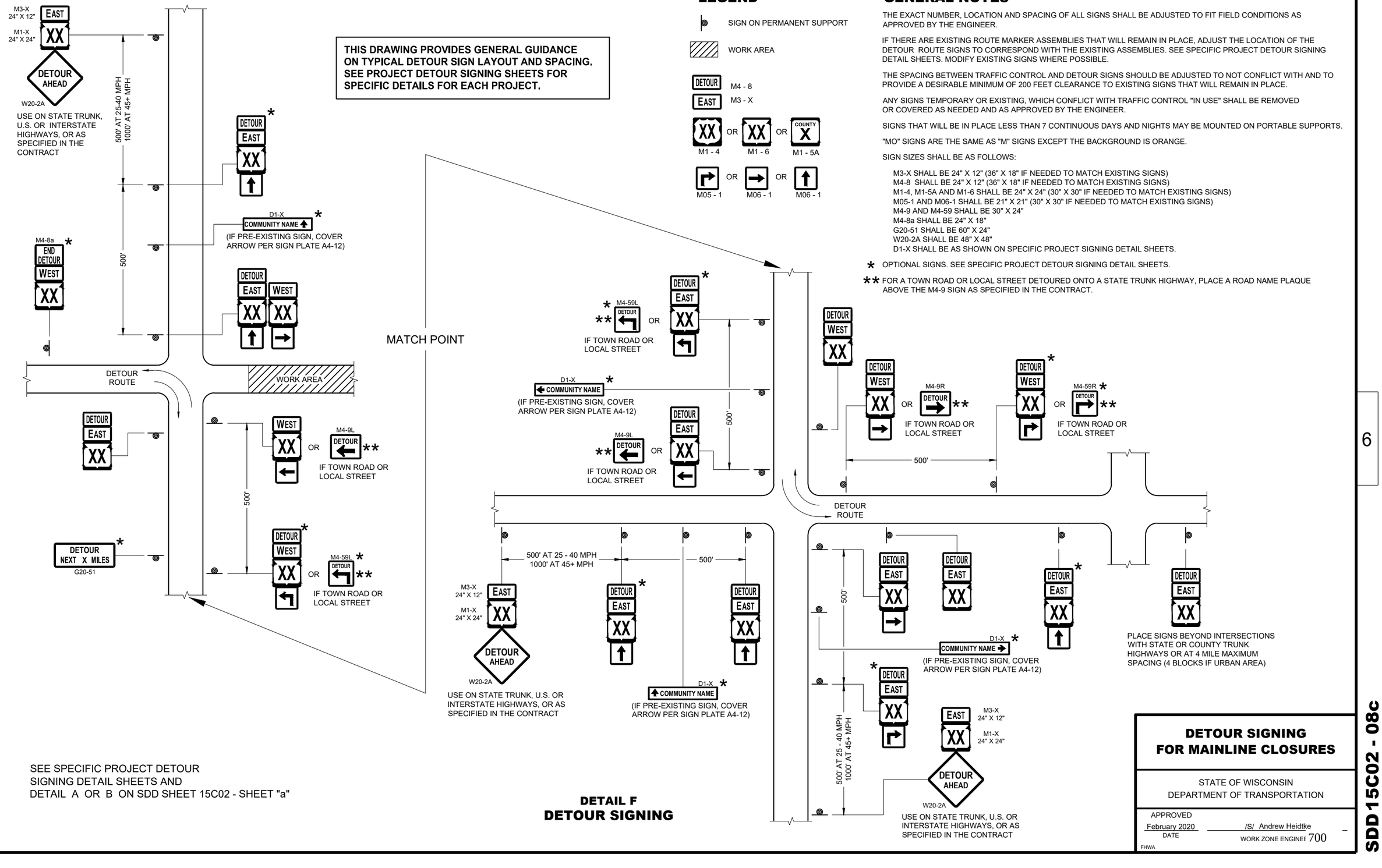
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (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
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

700

FHWA

6
SDD 15C02 - 08c

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

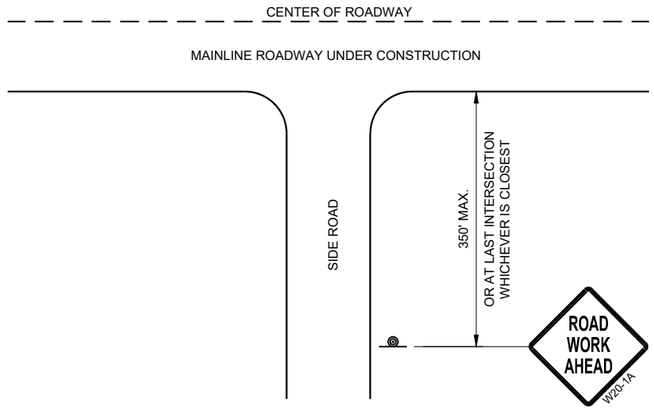
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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.

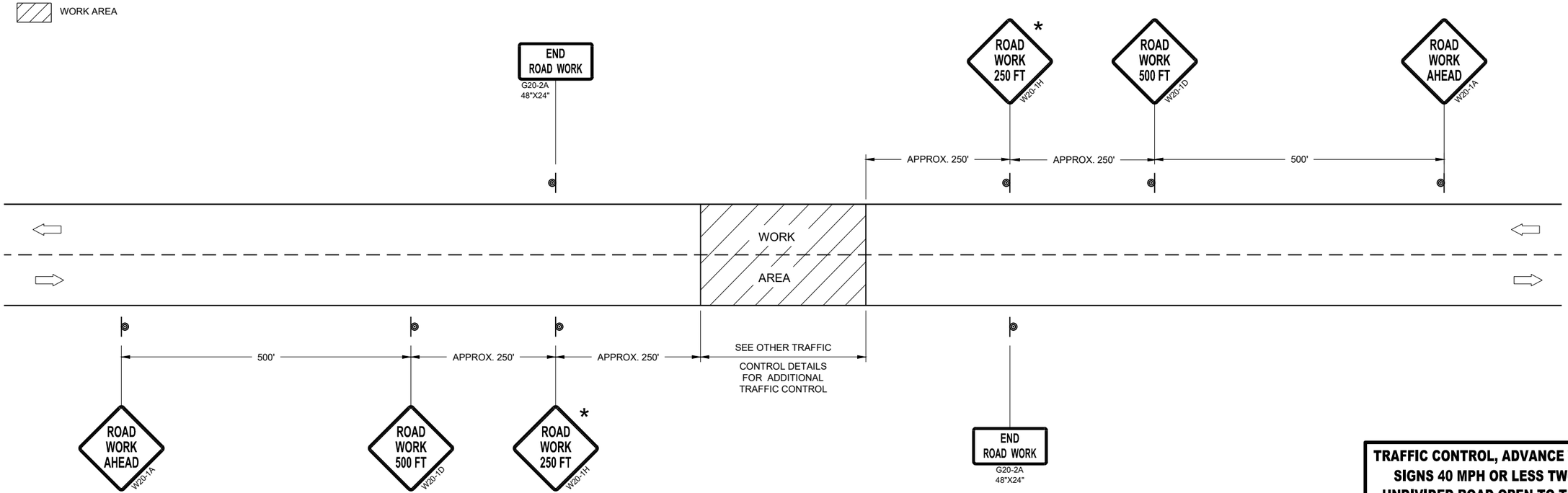
* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



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

701

FHWA

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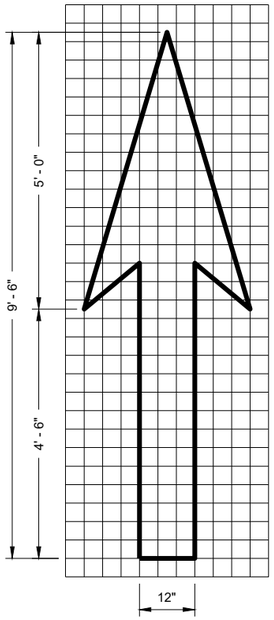
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SDD 15C05 - 05

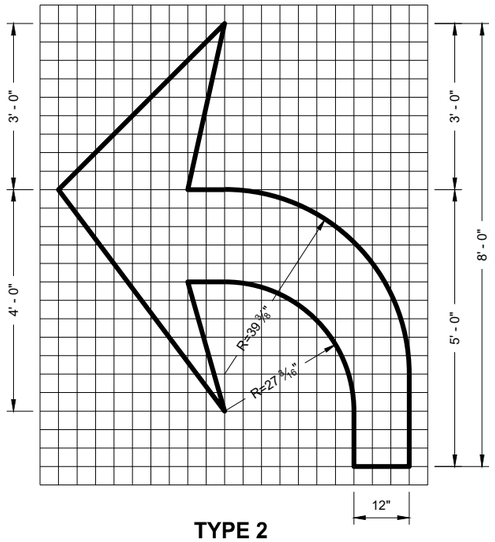
SDD 15C05 - 05

GENERAL NOTES

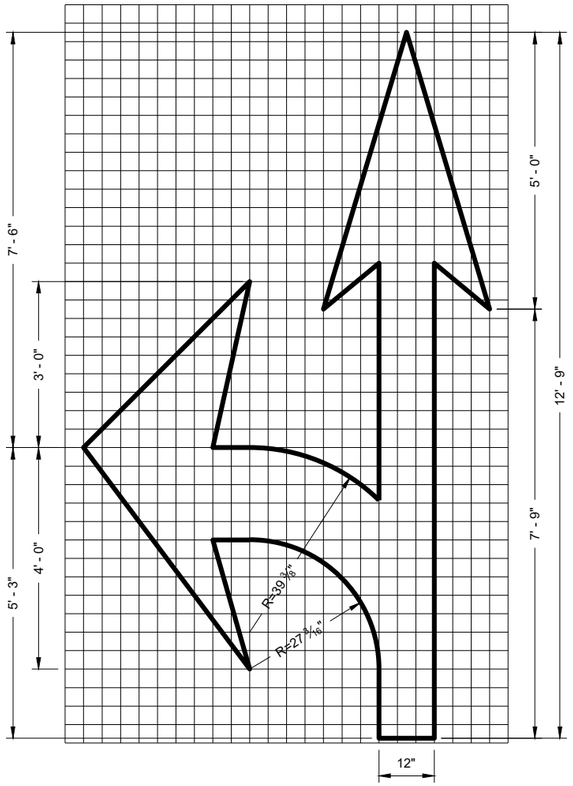
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



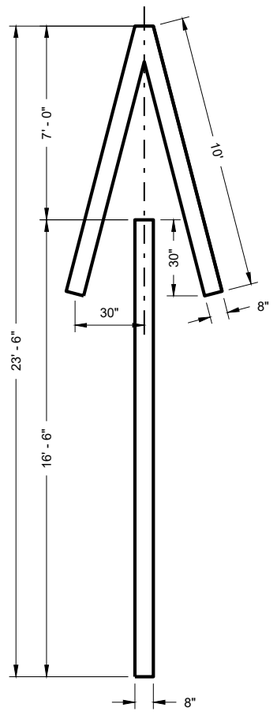
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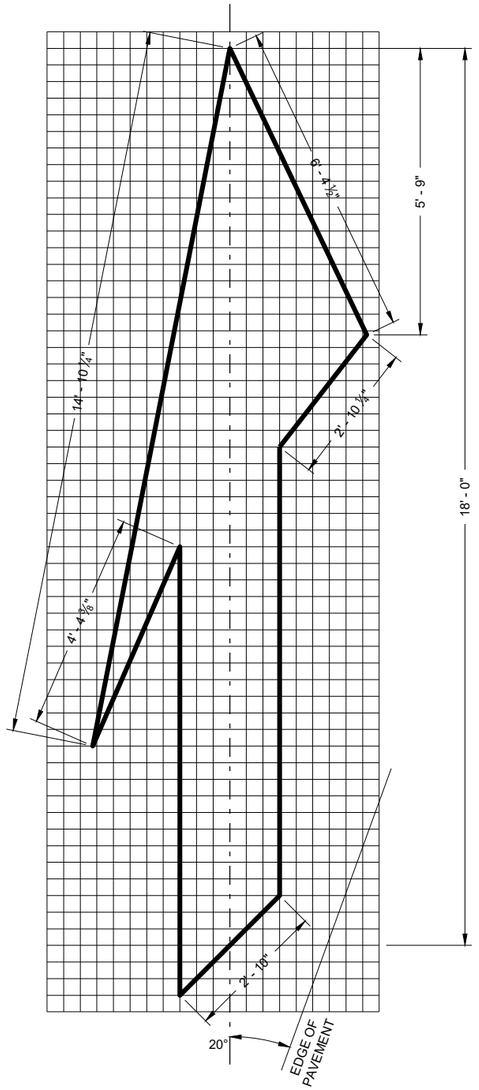
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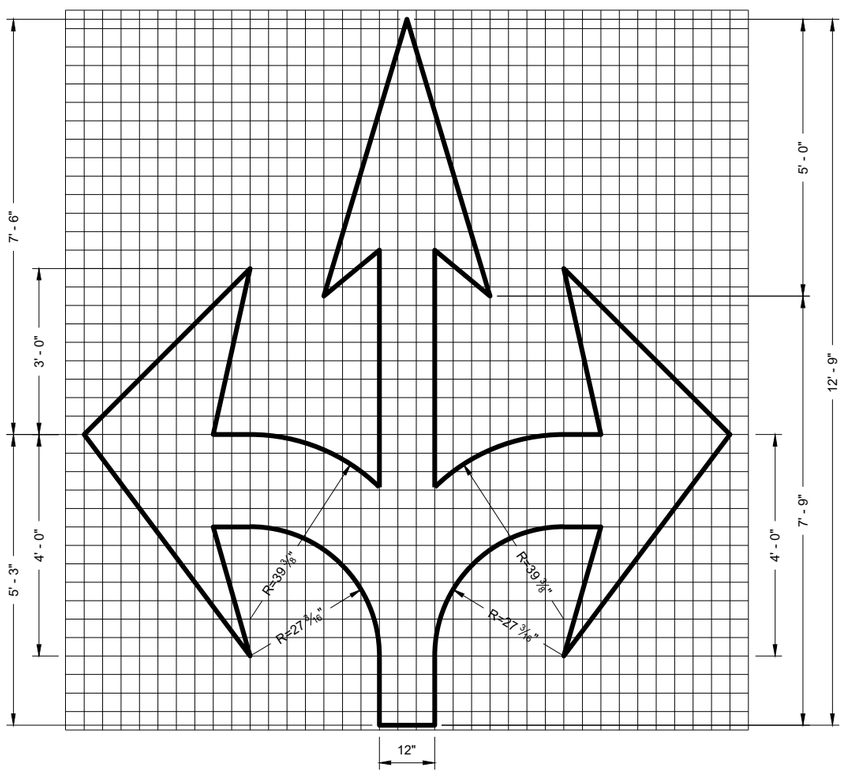
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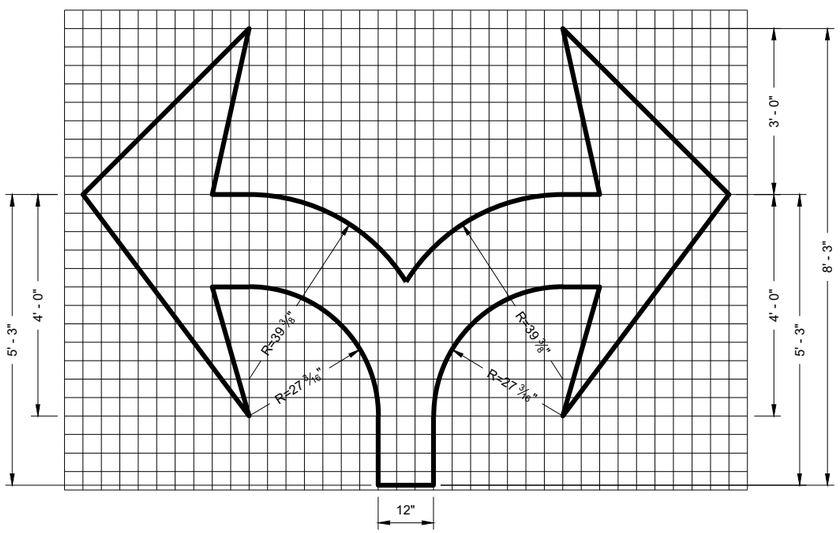
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

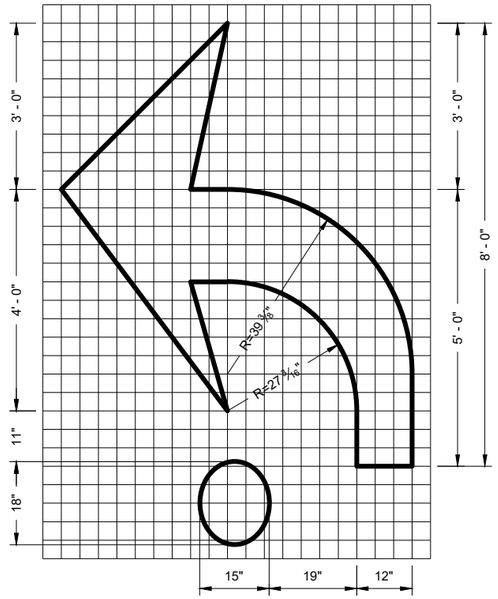
APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

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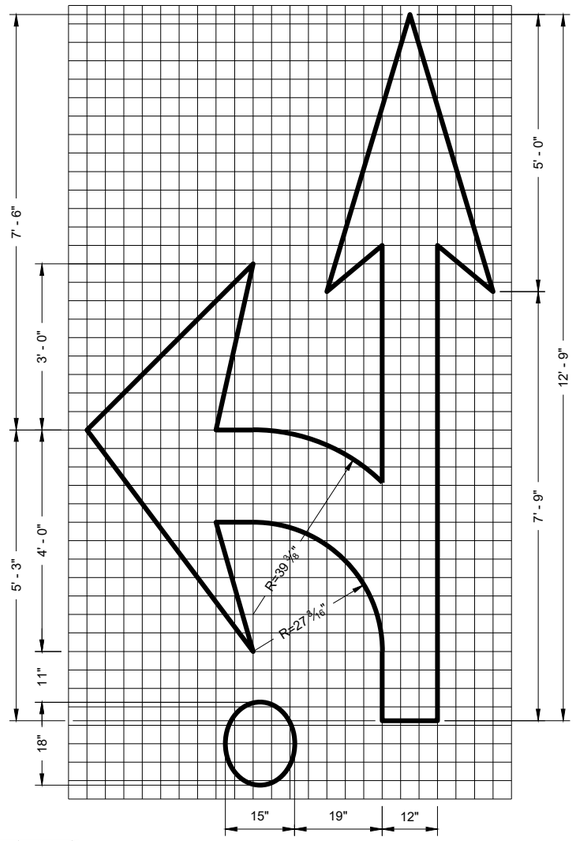
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SDD15C07 - 15c

GENERAL NOTES

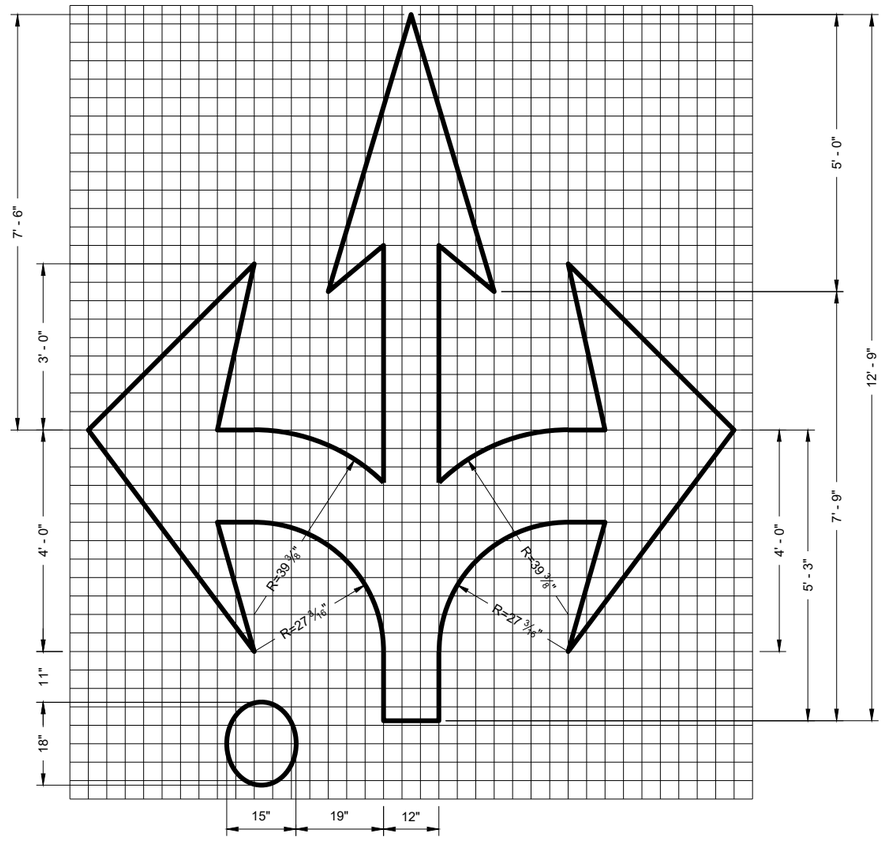
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



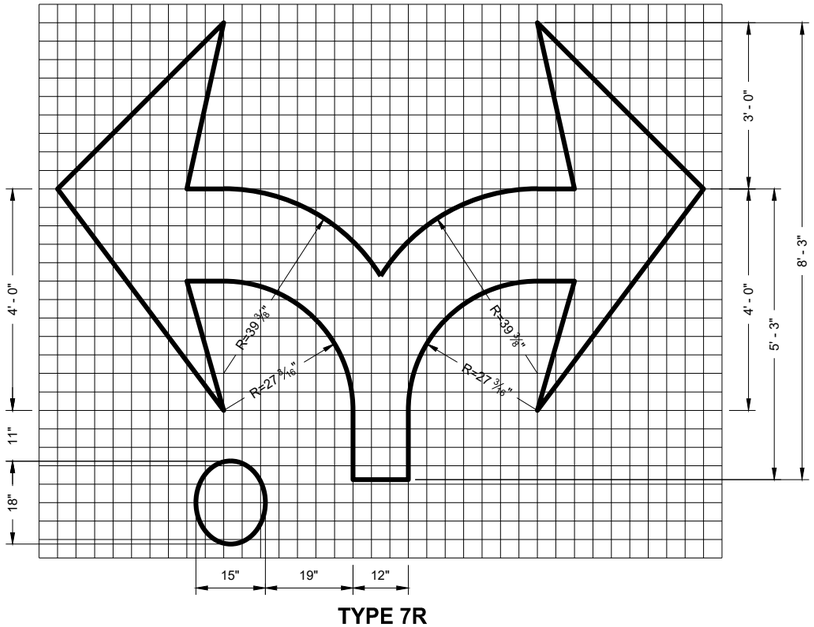
TYPE 2R



TYPE 3R



TYPE 6R



TYPE 7R

ROUNDABOUT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

November 2019
DATE

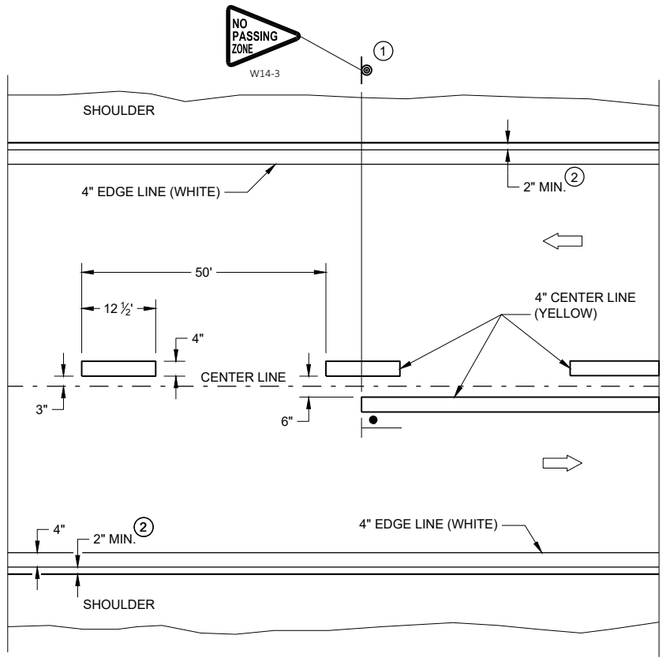
/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

703

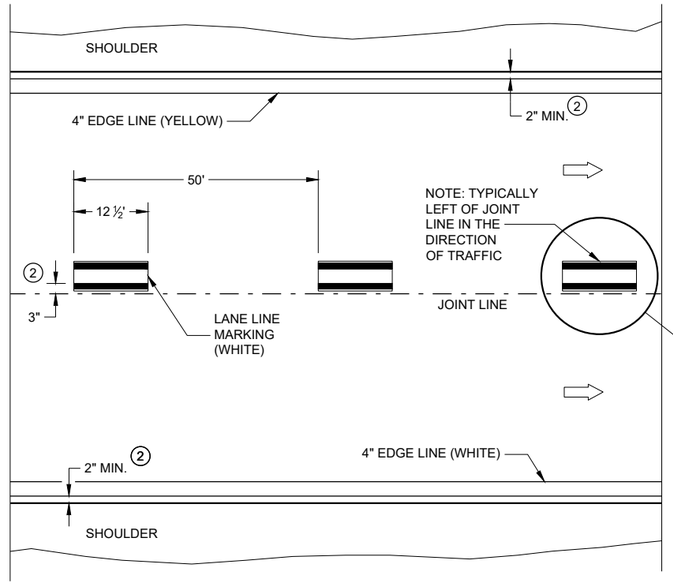
FHWA

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SDD 15C07 - 15d

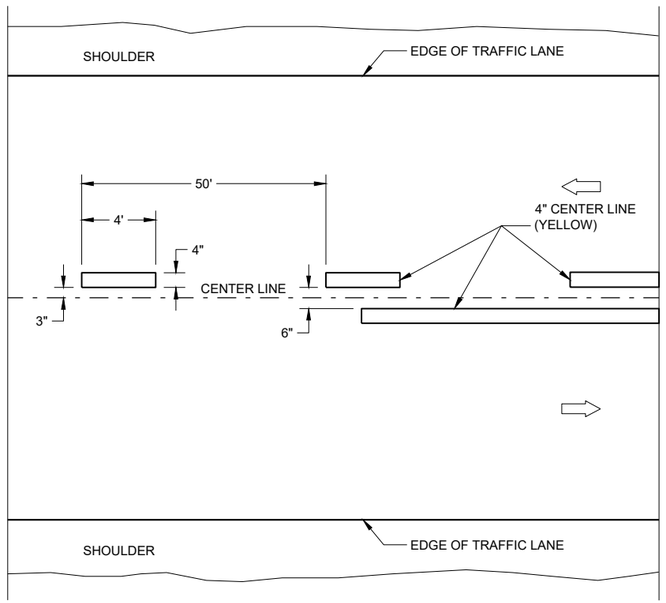


TWO WAY TRAFFIC

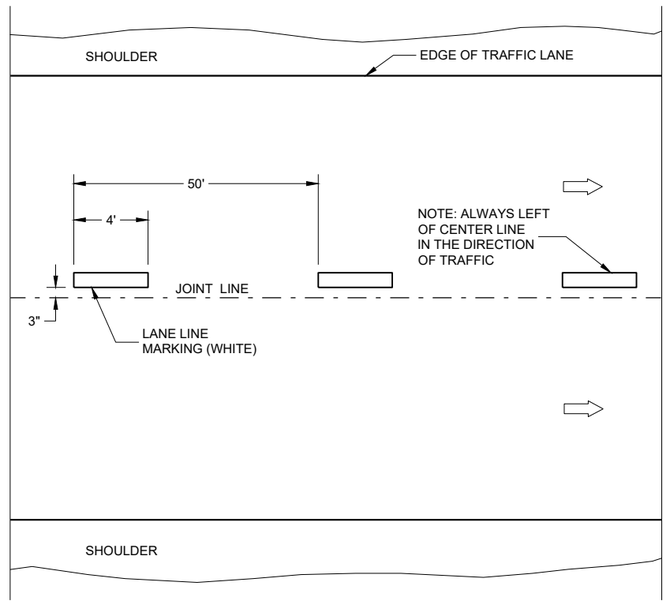


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

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

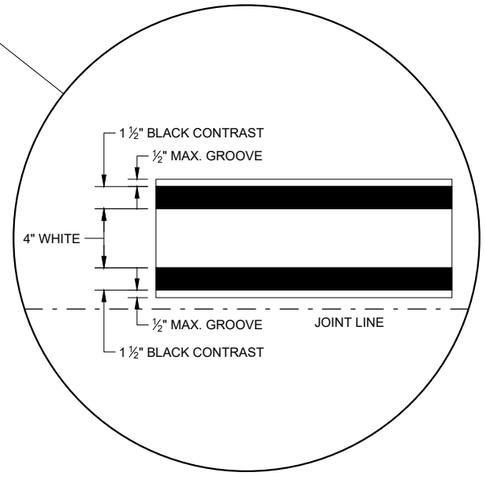
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITH 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Matthew Rauch
STATEWIDE SIGNING AND M ENGINEER

FHWA

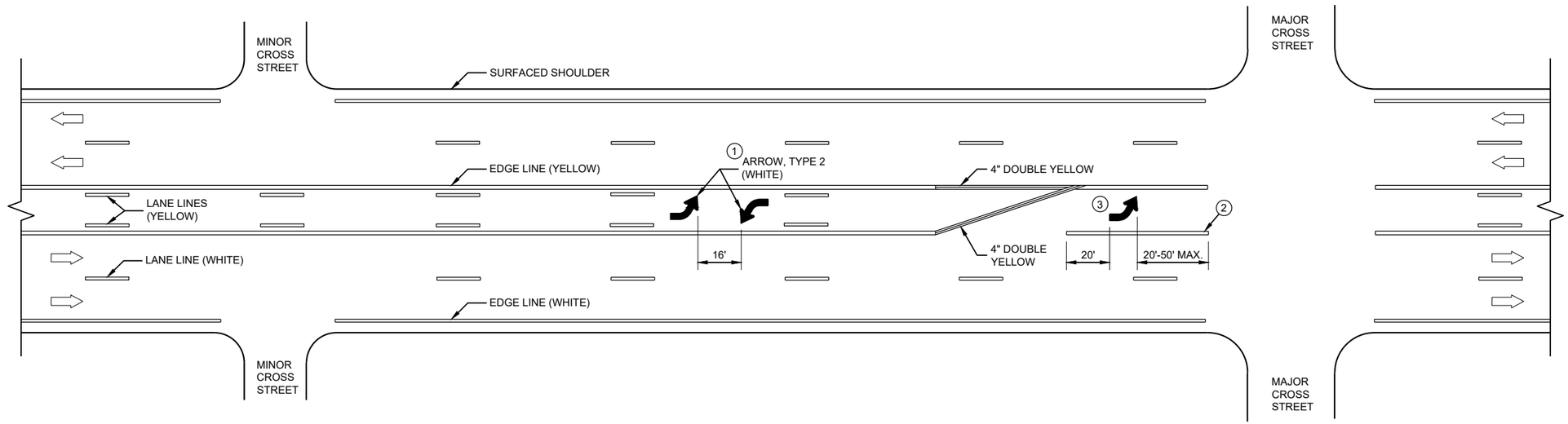
SDD 15C08 - 20a

SDD 15C08 - 20a

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

6

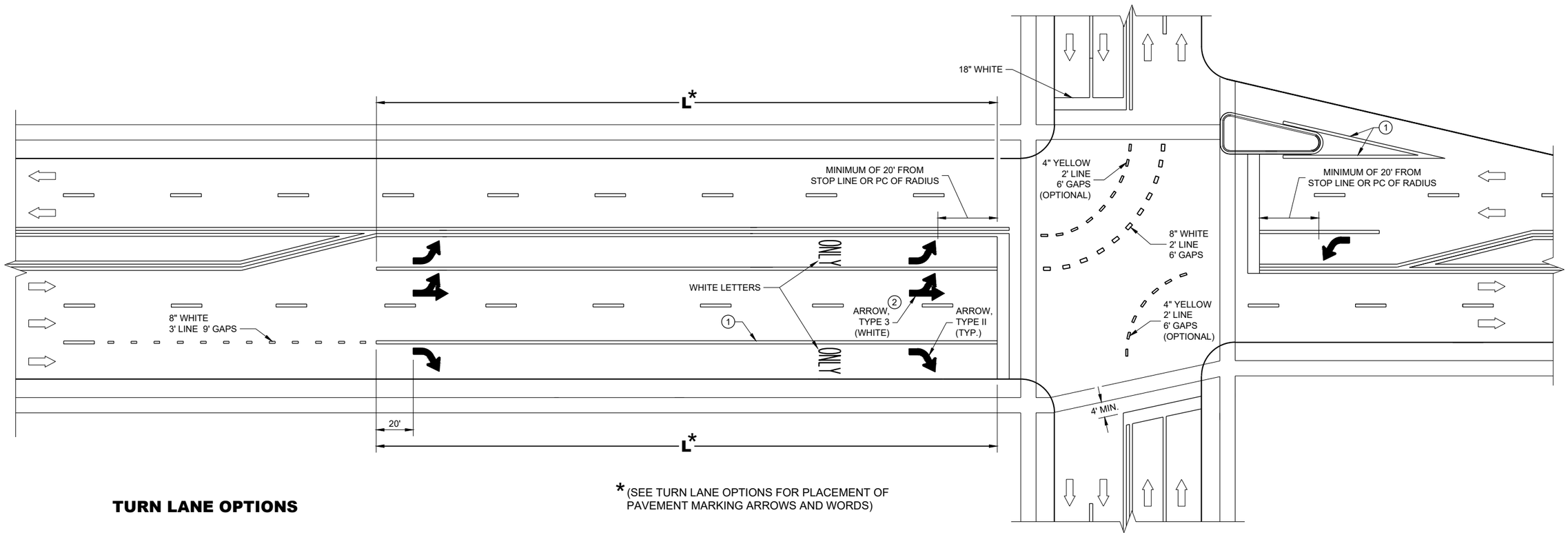
SDD 15C08 - 20b

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

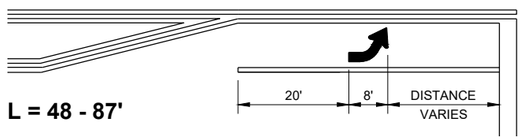
SDD 15C08 - 20b



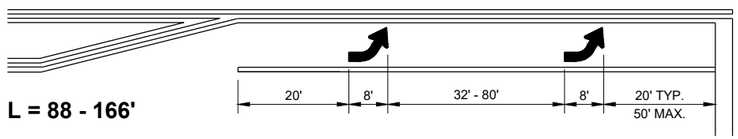
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

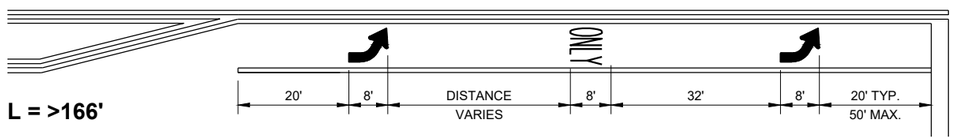
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. 8" WHITE
2. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

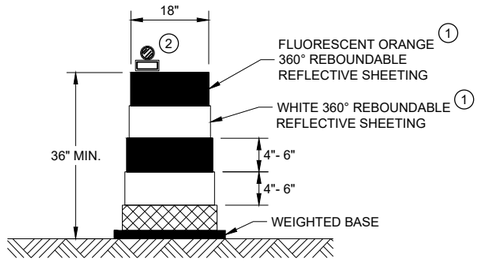
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

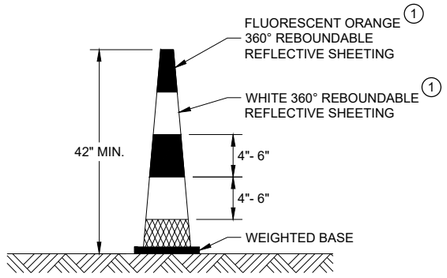
SDD 15C08 - 20c

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.

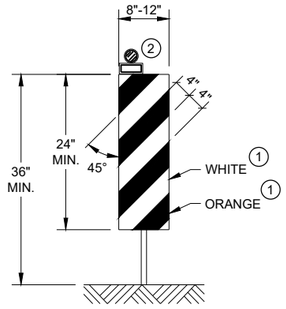


DRUM



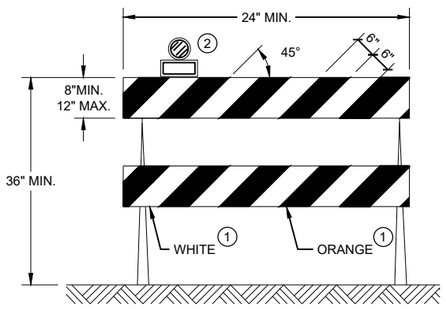
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



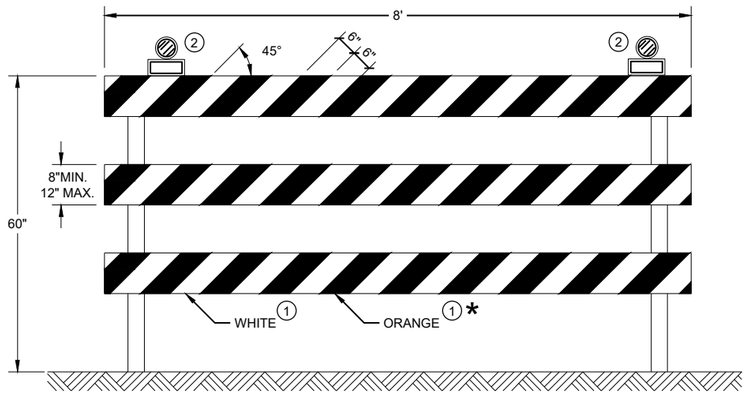
VERTICAL PANEL

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

707

FHWA

6

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SDD 15C11 - 07b

SDD 15C11 - 07b

LEGEND

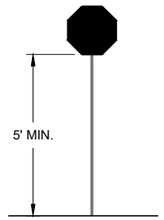
SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



STOP/SLOW PADDLE ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FOR THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

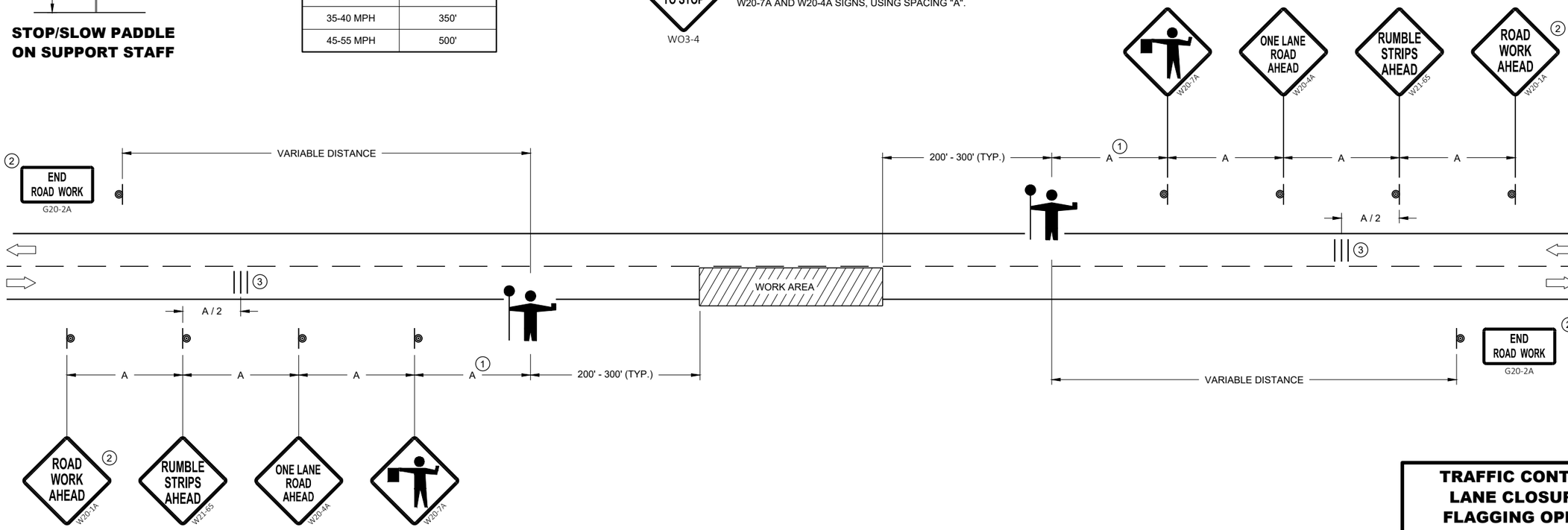
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

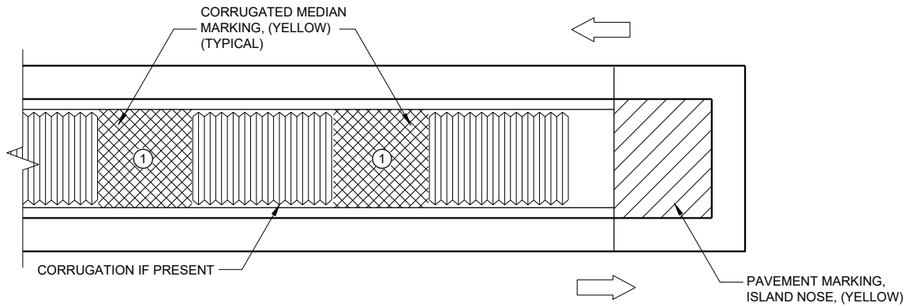
/S/ Andrew Heidtke
WORK ZONE ENGINEER

708

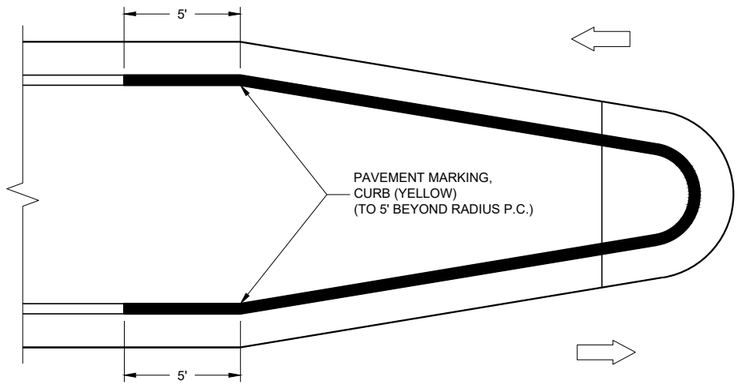
FHWA

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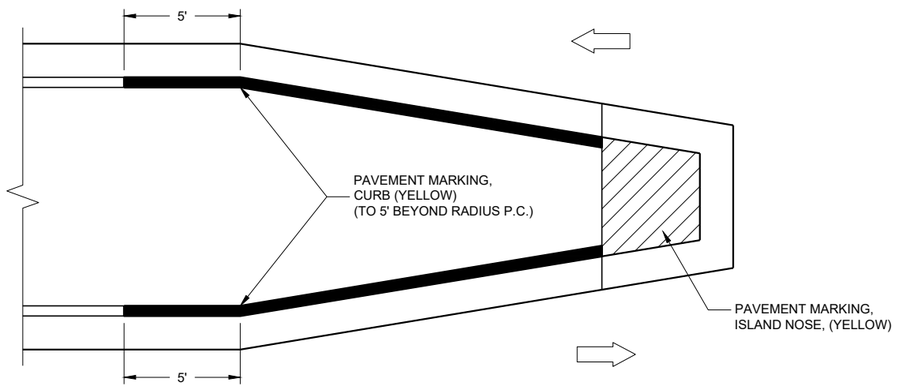
SDD 15C12 - 07



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE

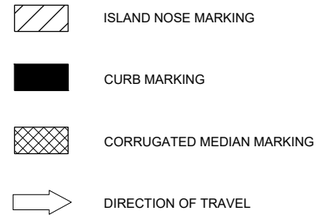


MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF
PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



PAVEMENT MARKINGS
(ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF
ENGINEER

FHWA

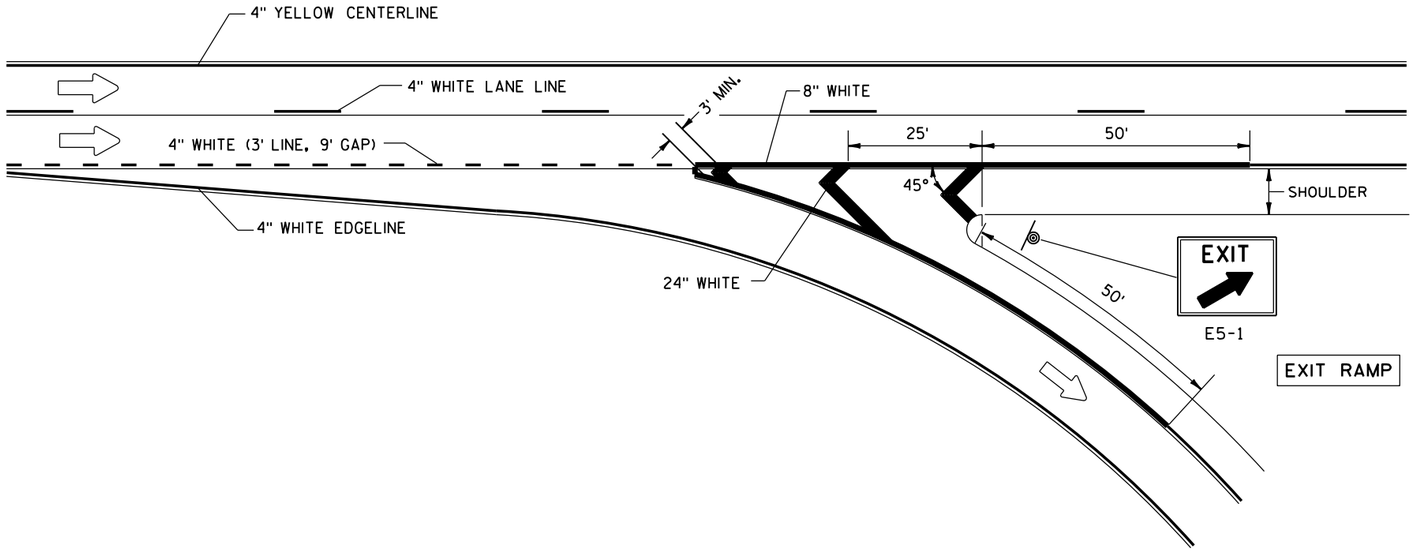
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SDD 15C27 - 03b

SDD15C27 - 03b



PAVEMENT MARKING FOR EXIT RAMP

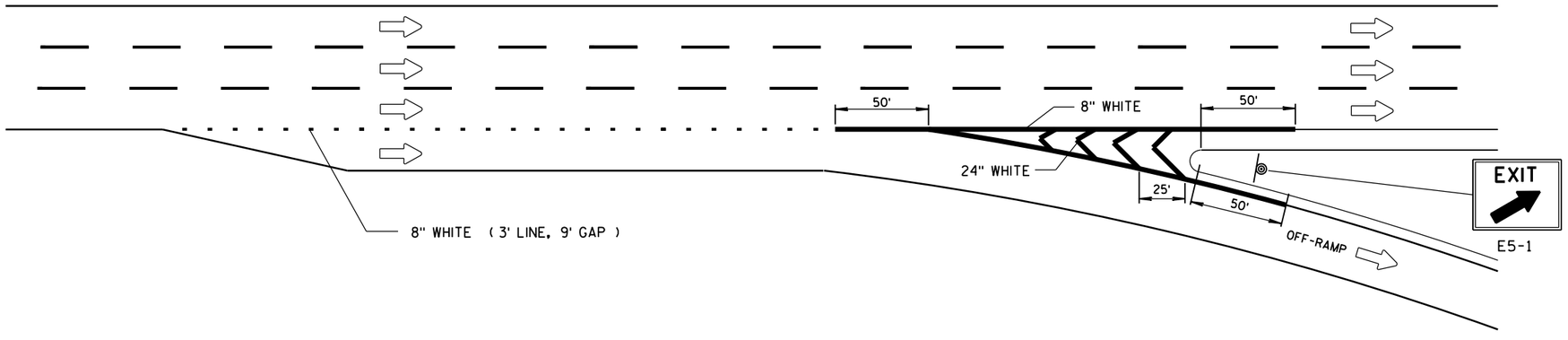
GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

DIRECTION OF TRAVEL

SIGN ON PERMANENT SUPPORT



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT-RAMP

6

S.D.D. 15 C 31-3a

PAVEMENT MARKING (RAMPS AND GORES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

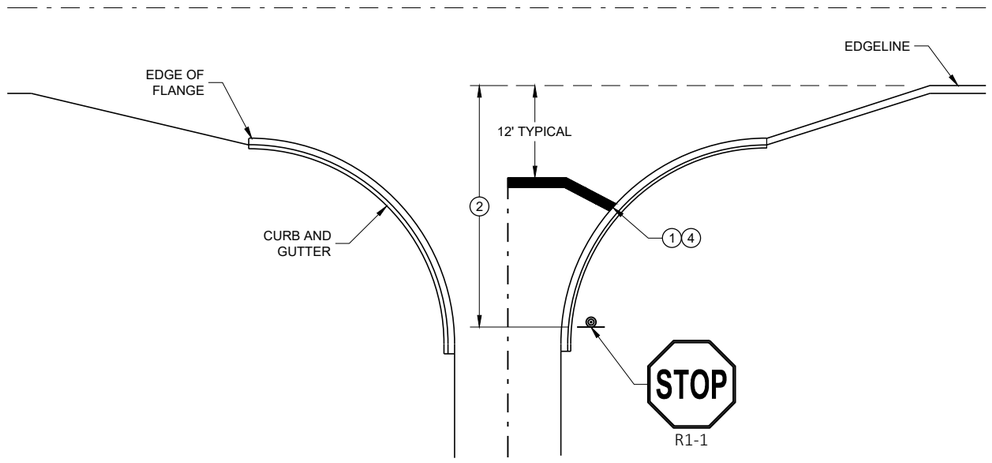
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S.D.D. 15 C 31-3a

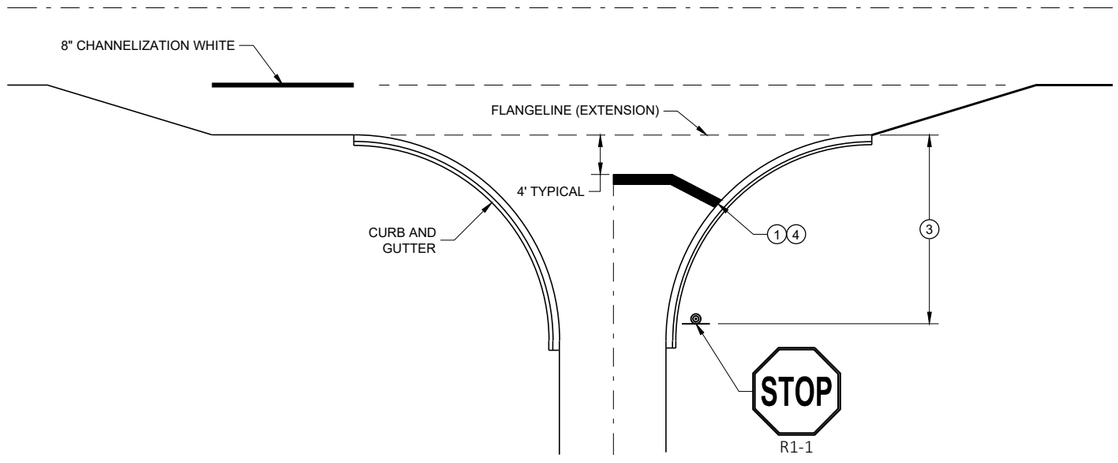
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

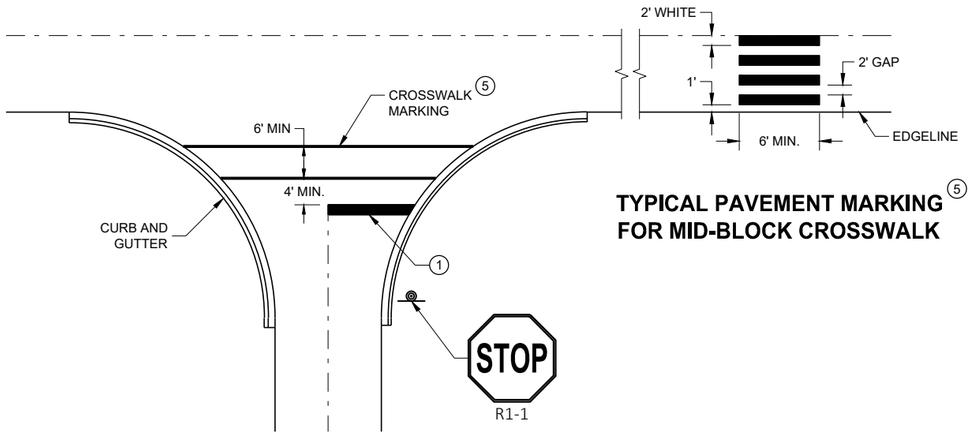
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

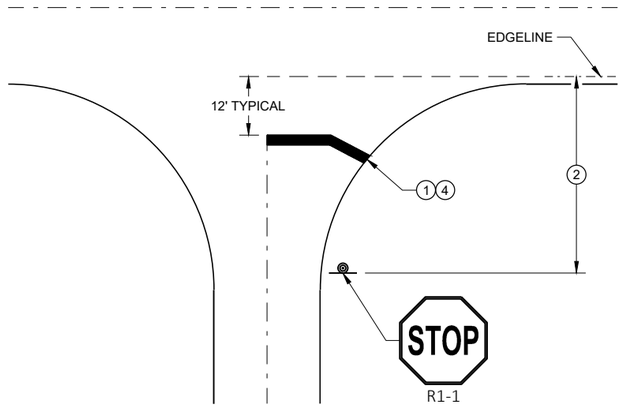


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

6

SDD 15C33 - 04

6

SDD 15C33 - 04

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" SIGNS ARE THE SAME AS "W" SIGNS 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.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

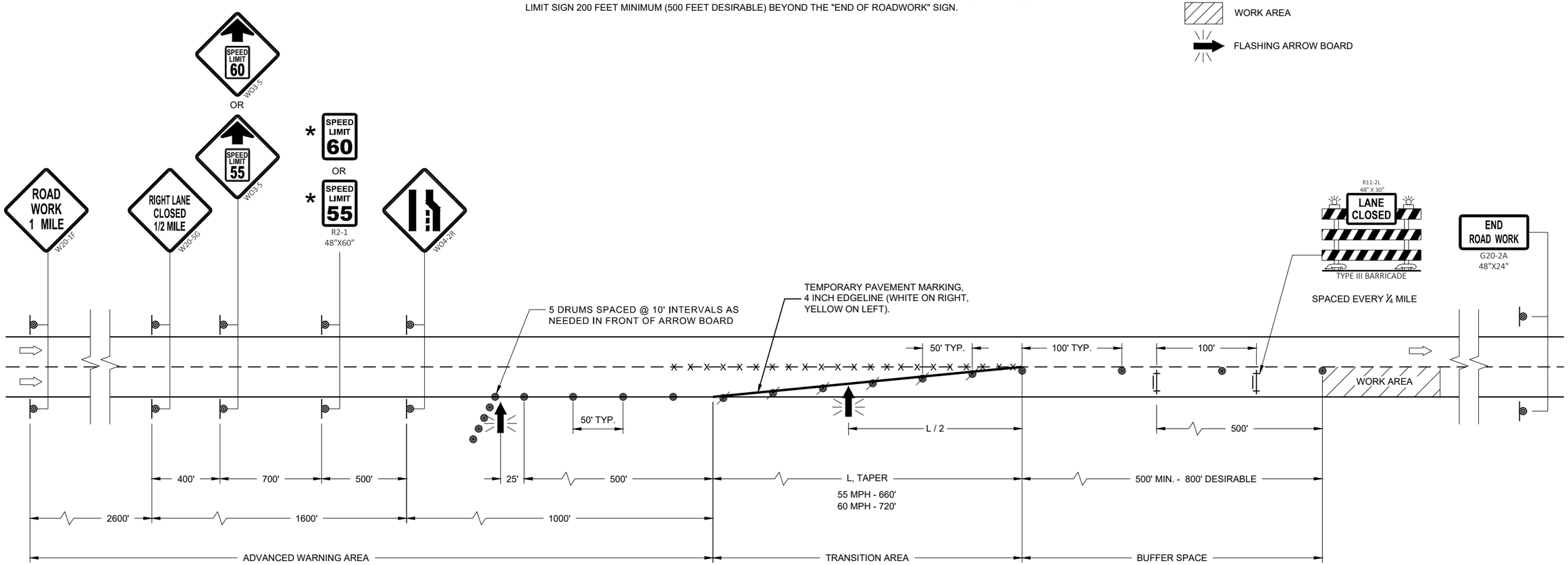
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE 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.

* A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES. INCLUDE A RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIRABLE) BEYOND THE "END OF ROADWORK" SIGN.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

SDD 15D12 - 08b

6
SDD 15D12 - 08b

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.

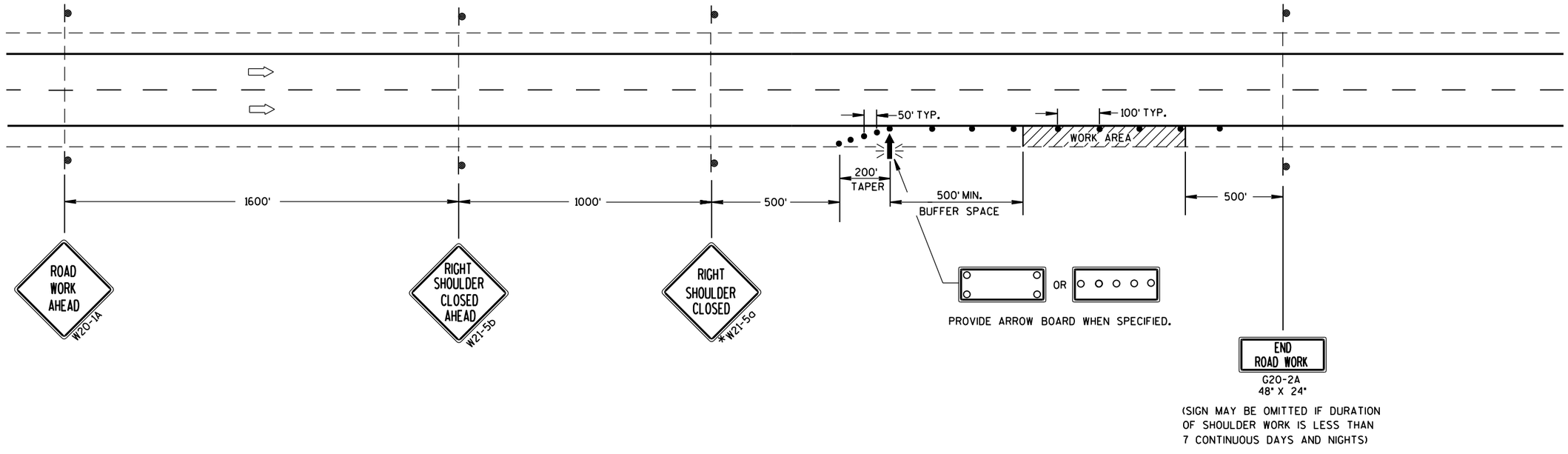
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

SHOULDER TAPER LENGTH (FEET)					BUFFER SPACE (FEET)
W / S	4	6	8	10	
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

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.

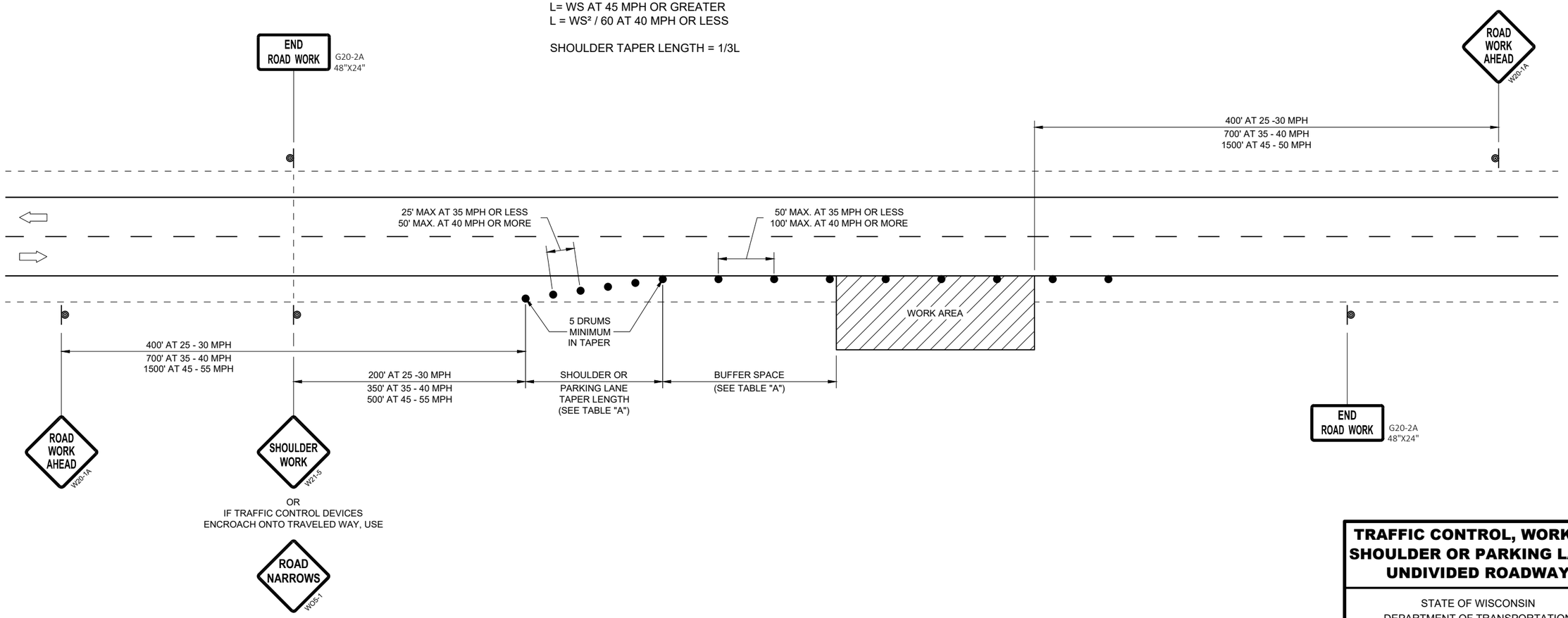
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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.

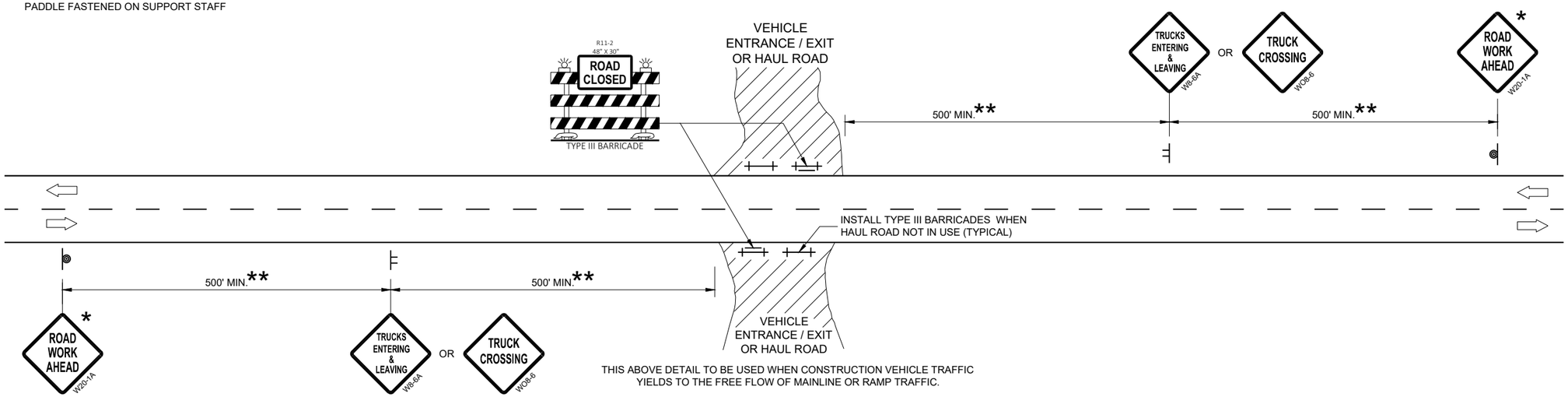
WHEN ACTIVITY REFLECTED BY THE SIGN IS NOT CURRENTLY TAKING PLACE, THE HIGHWAY SHALL BE RESTORED TO NORMAL CONDITION AND THE SIGNS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC.

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.

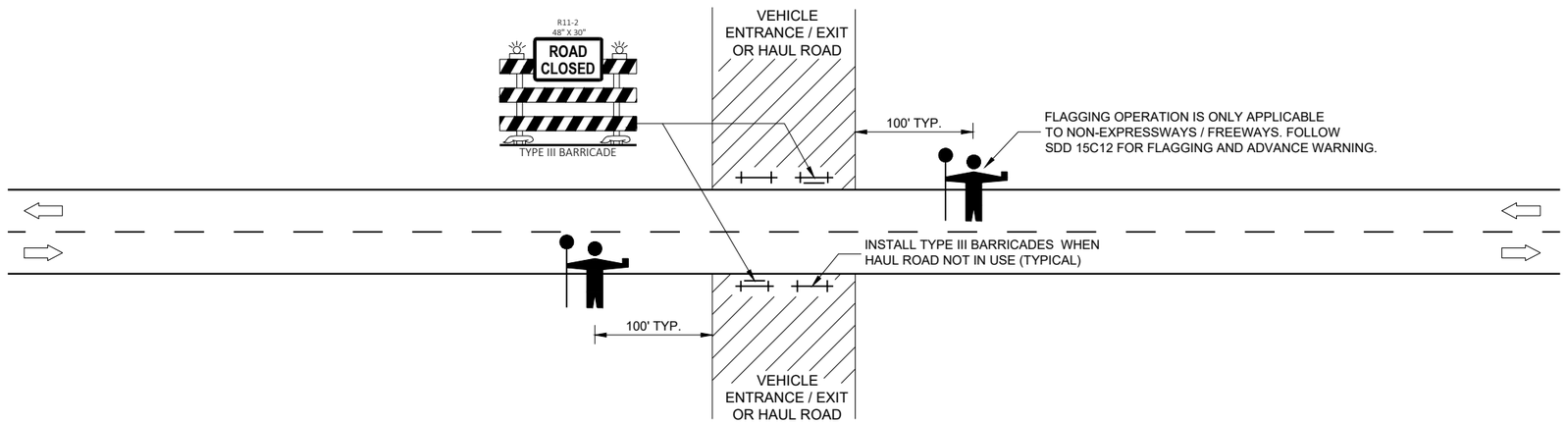
PLACE SIGNS ON BOTH SIDES IF USED ON DIVIDED HIGHWAY.

* 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

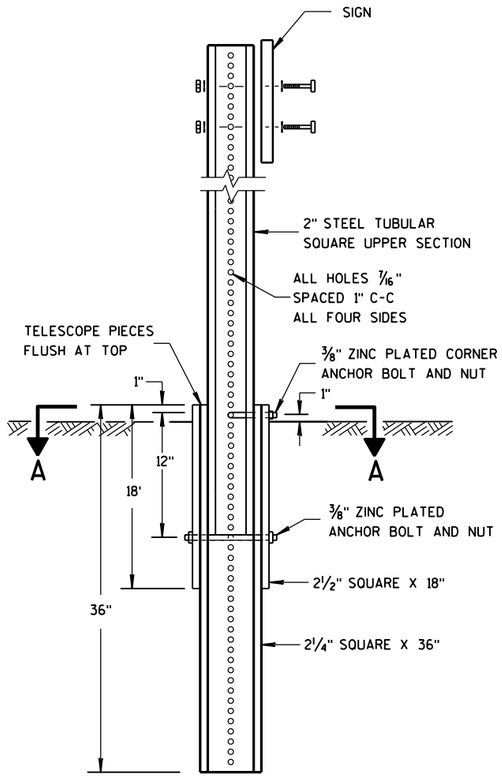
APPROVED
June 2017
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

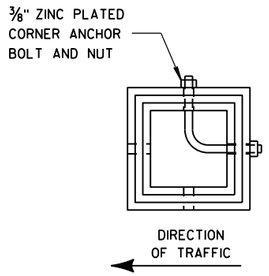
FHWA

6

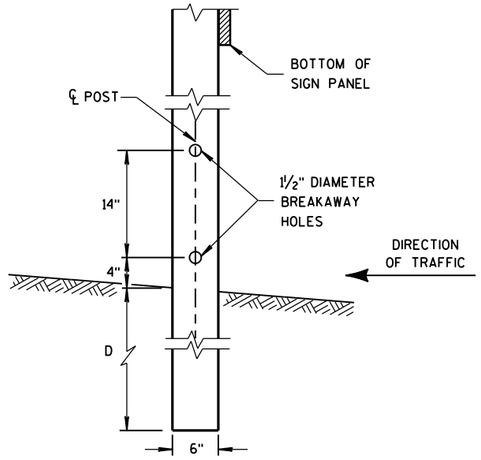
SDD 15D29 - 05



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



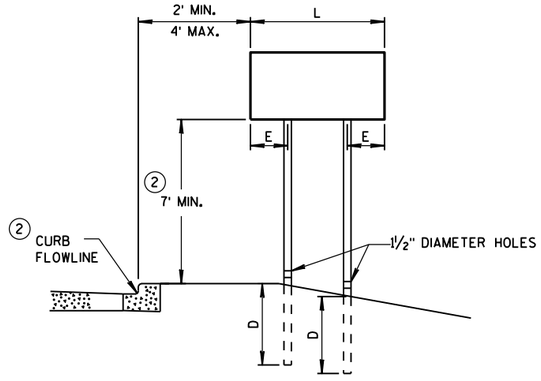
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

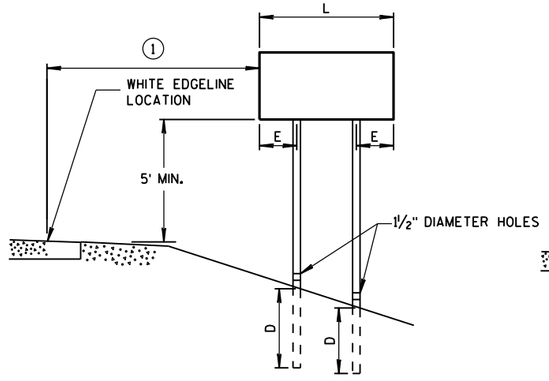
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

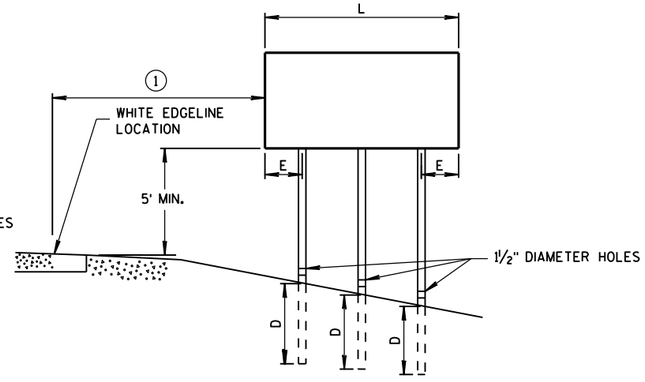
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK 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

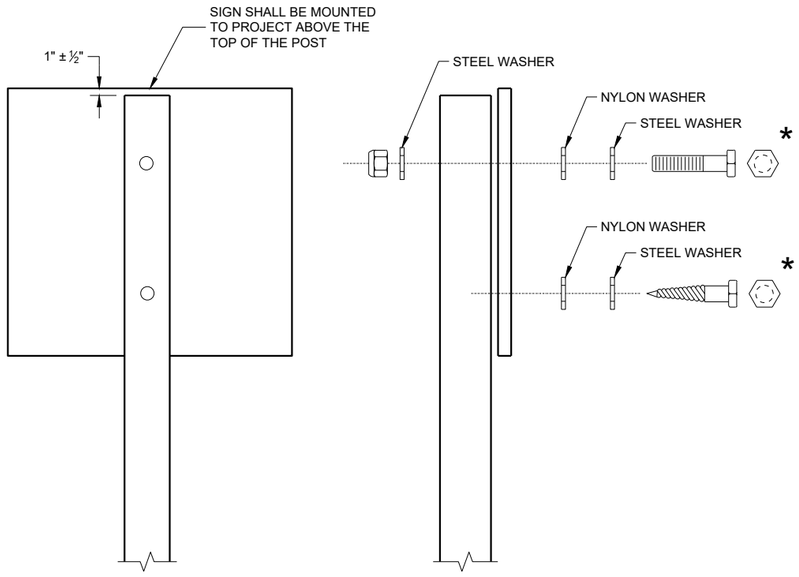
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 15 D 38-2a



NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3
B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POST (4" x 6")
LAG SCREWS - ⅜" x 3"
MACHINE BOLTS - 5/16" x 6 ½" OR 7" LENGTH W/NUTS

SQUARE STEEL POST (2" x 2")
MACHINE BOLTS - ⅜" x 3 ¼" LENGTH W/NUTS
RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE 0.720 - 0.765 INCH, GRIP RANGE 0.042 - 0.375 INCH

WASHERS (ALL POSTS) -
1 ¼" O.D. x ⅜" I.D. x 1/16" STEEL
1 ¼" O.D. x ⅜" I.D. x 0.080 NYLON

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

6

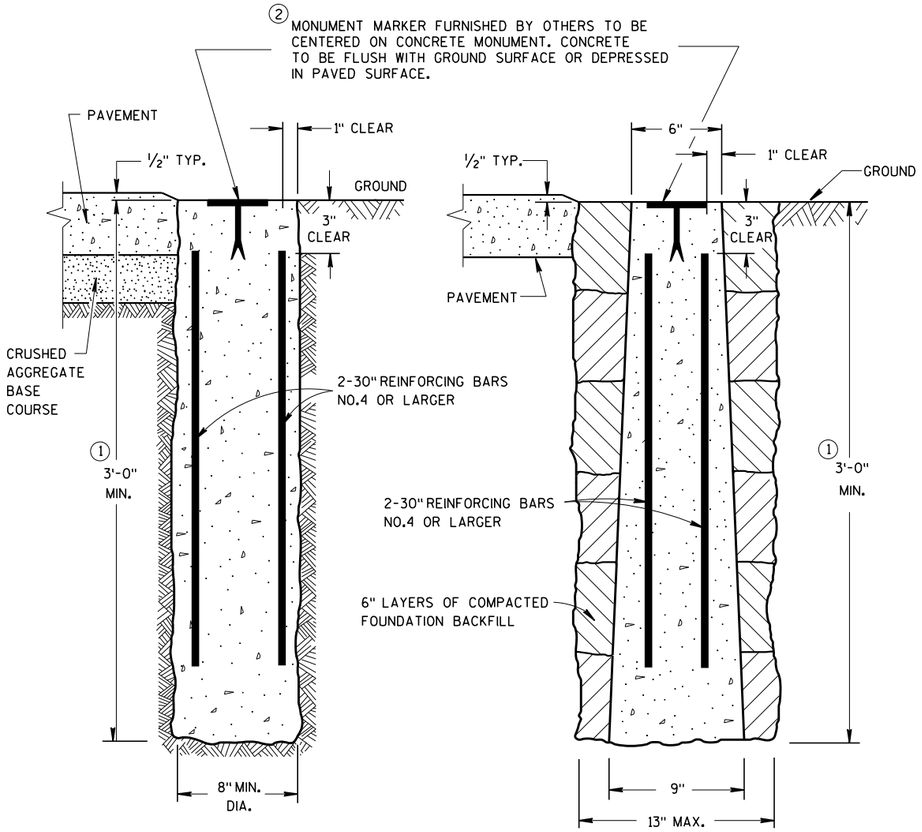
SDD 15D38 - 02b

SDD15D38 - 02b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

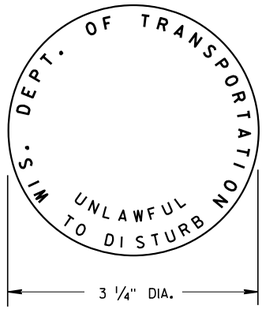


CAST-IN-PLACE

PRECAST

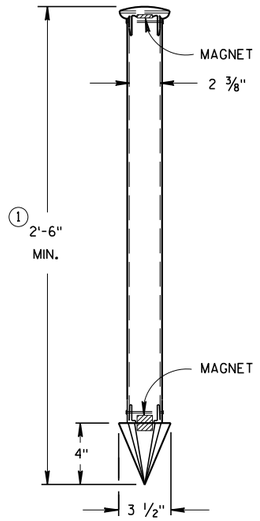
CONCRETE MONUMENTS

TYPE A



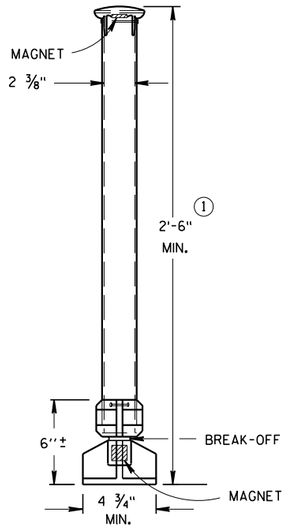
② **WIS DOT MONUMENT MARKER LOGO**

FOR TYPES "A", "C", & "D"



TYPE C

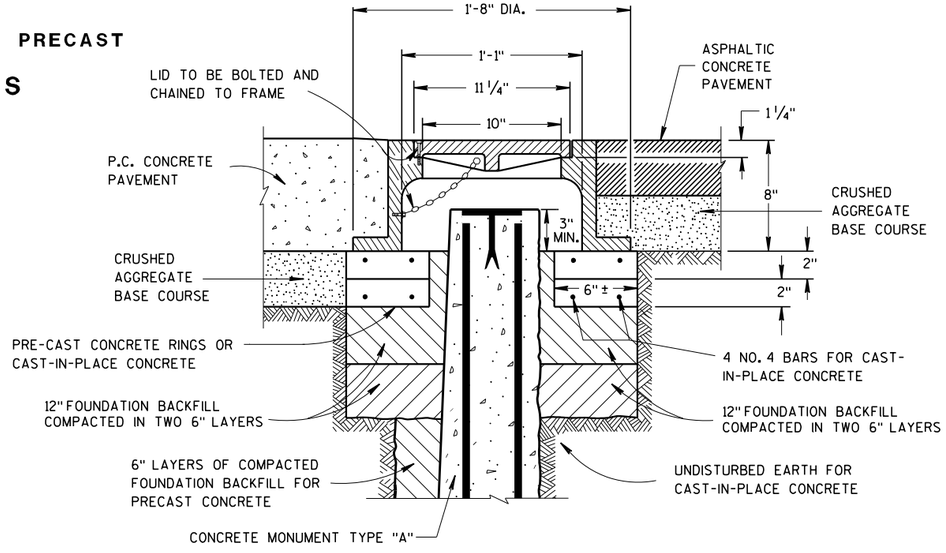
DRIVE-IN MONUMENT



TYPE D
NON-DRIVEN
BREAK-OFF MONUMENT

ALUMINUM MONUMENTS

(INCLUDES MARKER)



CAST IRON MONUMENT COVER

(APPROXIMATE WEIGHT 95 LBS)

GENERAL NOTES

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

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.

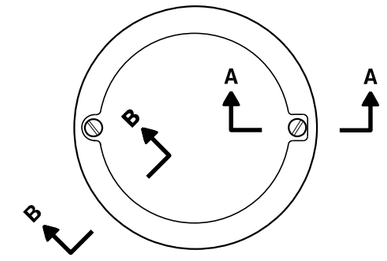
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

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.

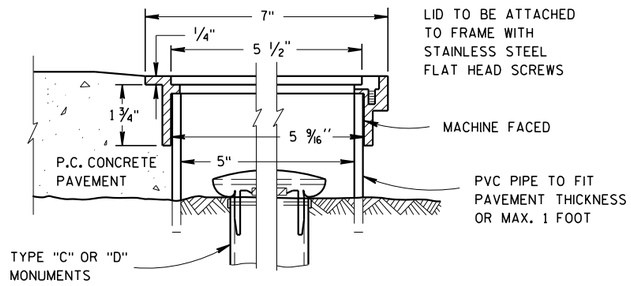
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER

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



SECTION B-B SECTION A-A

ALUMINUM MONUMENT COVER

(APPROXIMATE WEIGHT 2 LBS)
(FOR CONCRETE PAVEMENT ONLY)

LANDMARK REFERENCE MONUMENTS AND COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

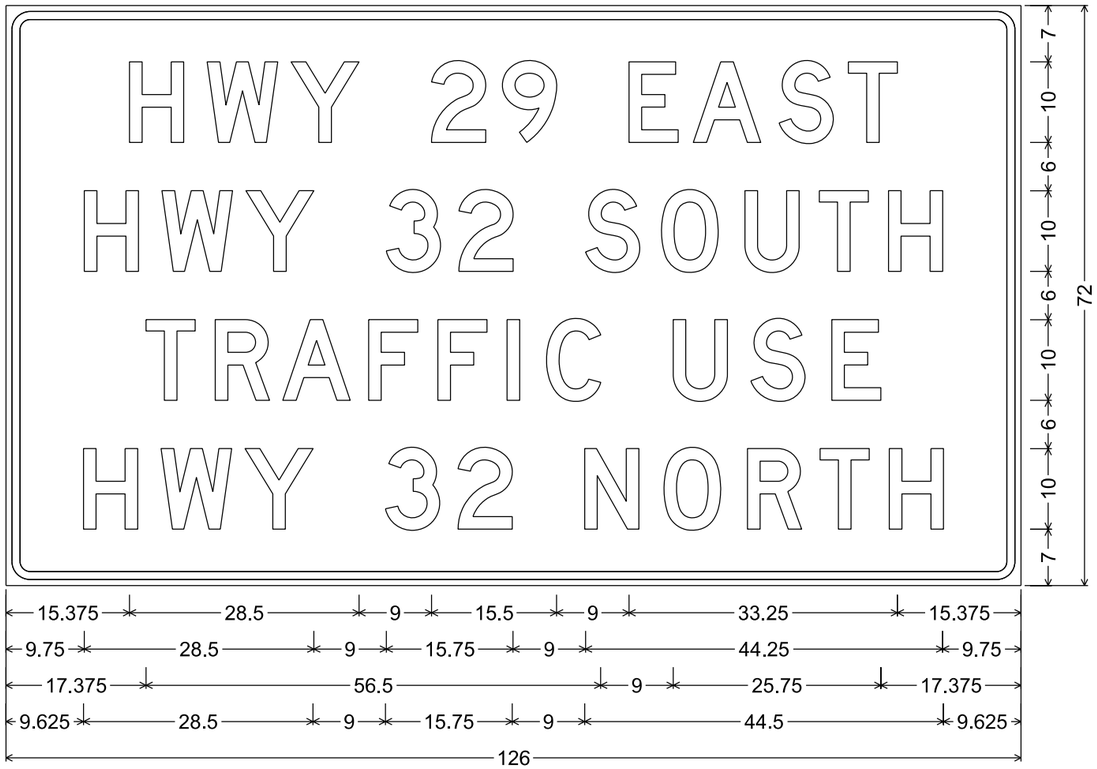
APPROVED
March 2018 — DATE
/S/ Raymond A. Kumagai — CHIEF SURVEYING AND MAPPING ENGINEER
FHWA

6

S.D.D. 16 A 1-7

NOTES

1. Fixed Message Type II Signs - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D



3.000" Radius, 1.000" Border, 0.750" Indent

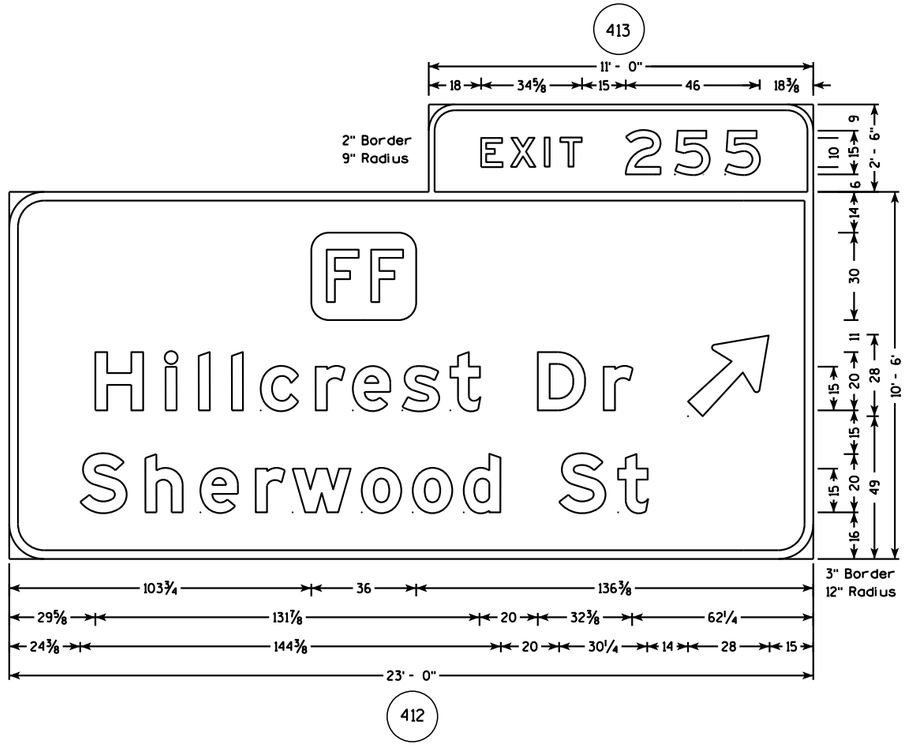
7

7

PROJECT NO: 9200-10-71	HWY: STH 29/32	COUNTY: BROWN	TEMPORARY SIGNING	SHEET NO: 719	E

NOTES

1. All Signs are Type I - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified
4. Exit Only Panel is Yellow Background Type F Reflective with Black Message as noted







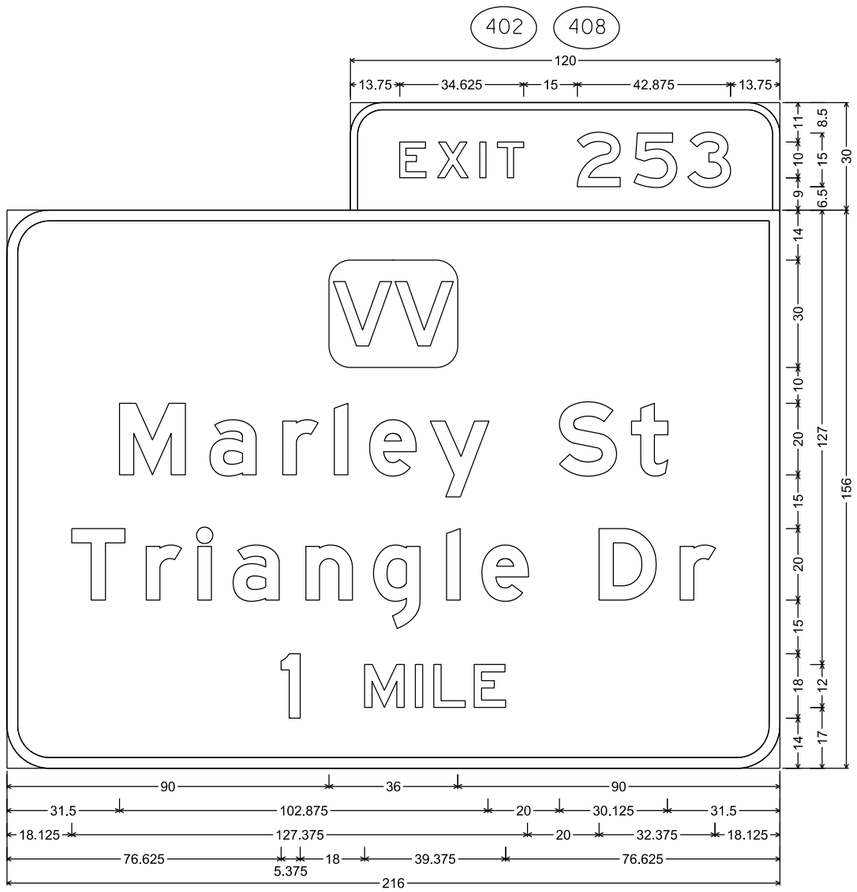
7

7

PROJECT NO: 9200-06-71	HWY: STH 29	COUNTY: BROWN	SIGN DETAILS	SHEET NO: E

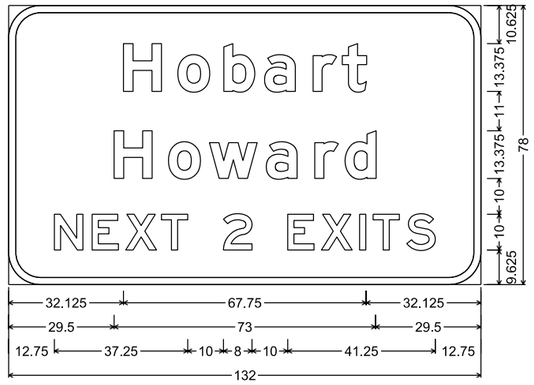
NOTES

1. Sign is Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all Cap Words Series E.



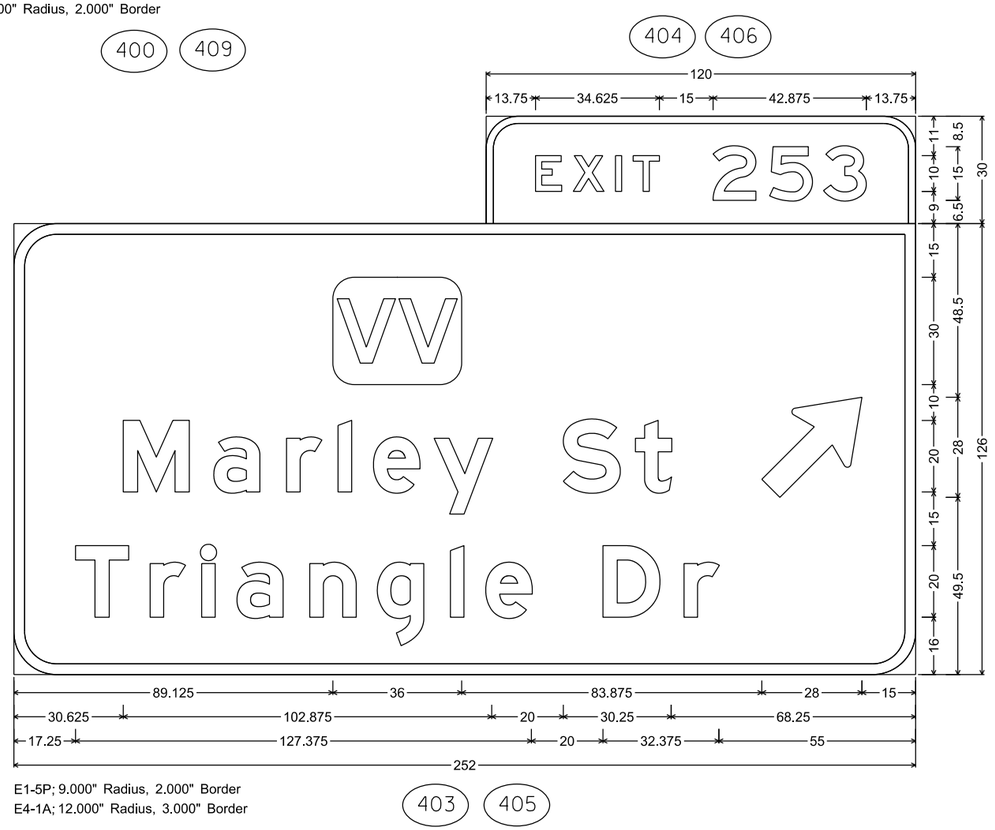
E1-5P; 9.000" Radius, 2.000" Border
E1-1A; 12.000" Radius, 3.000" Border

401 407



E3-1; 9.000" Radius, 2.000" Border

400 409



E1-5P; 9.000" Radius, 2.000" Border
E4-1A; 12.000" Radius, 3.000" Border

403 405

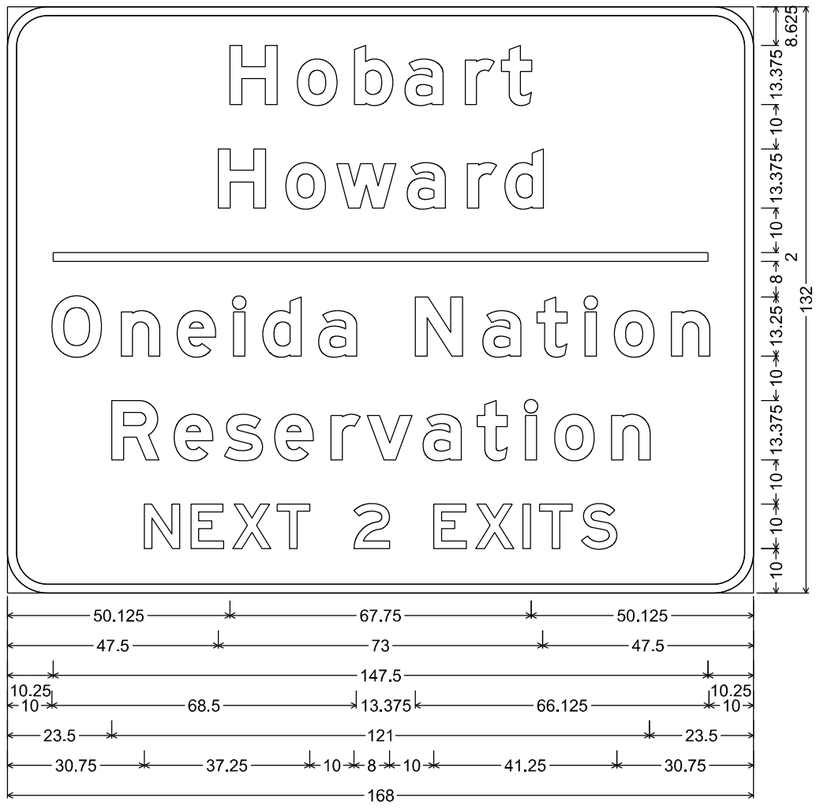
7

7

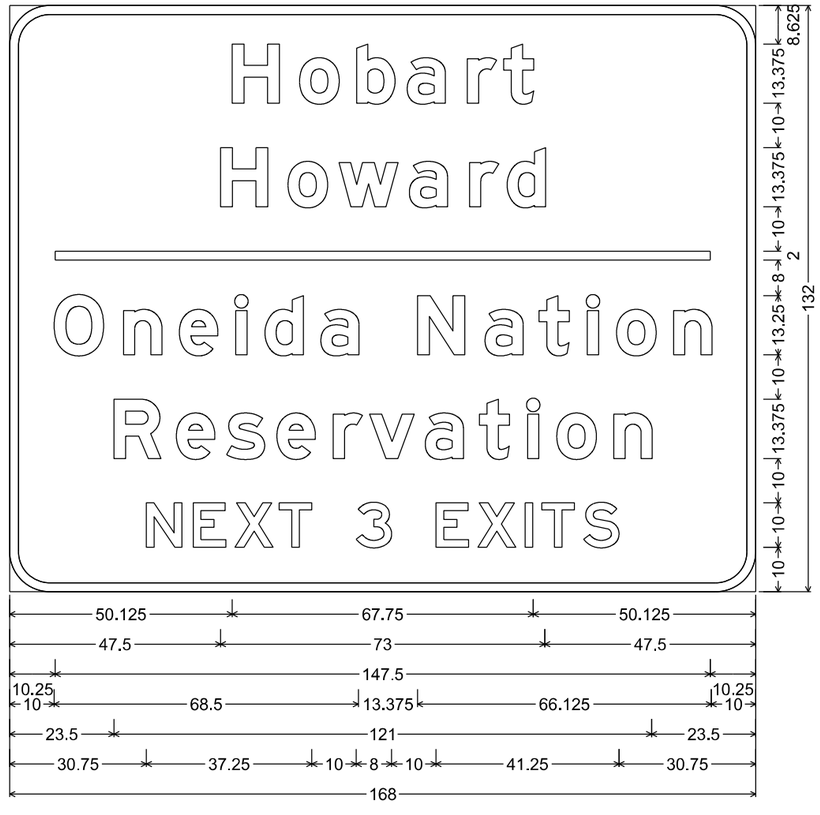
PROJECT NO: 9200-06-71	HWY: STH 29	COUNTY: BROWN	PERMANENT SIGNING	SHEET NO: 721	E

NOTES

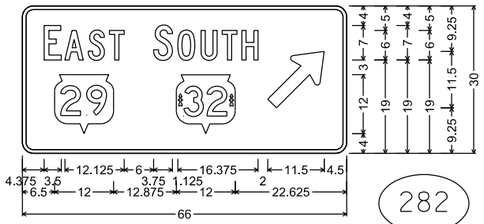
1. All Signs Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all CAP words Series E



E9-1; 9.000" Radius, 2.000" Border

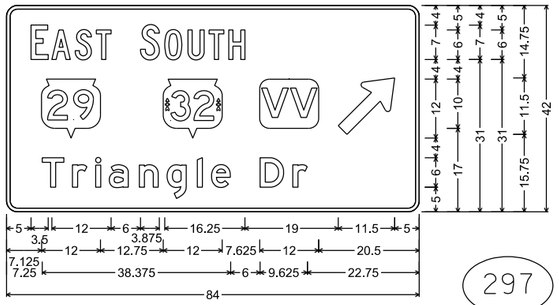


E9-1; 9.000" Radius, 2.000" Border



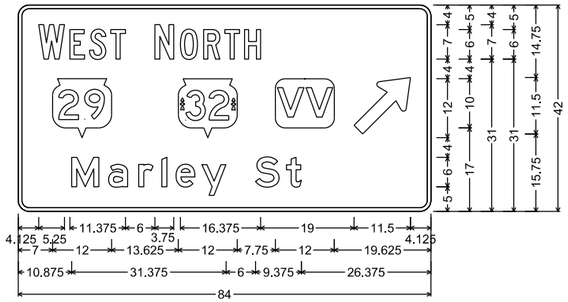
282

D1-1; 2.250" Radius, 0.750" Border
"EAST", C; "SOUTH", C



297

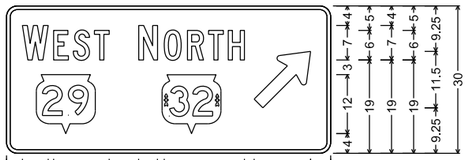
D1-2; 2.250" Radius, 0.750" Border
"EAST", C; "SOUTH", C



D1-2; 2.250" Radius, 0.750" Border
"WEST", C; "NORTH", C

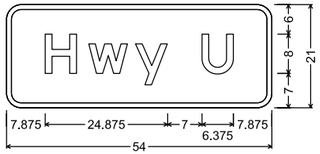
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted.



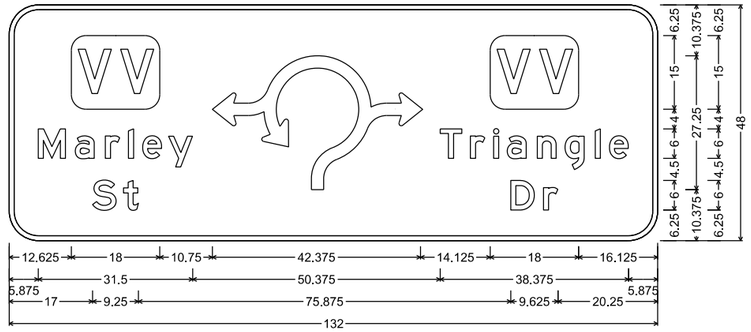
285 323

D1-1; 2.250" Radius, 0.750" Border
"WEST", C; "NORTH", C;



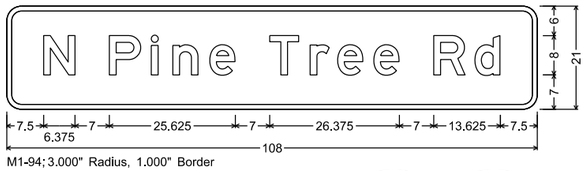
M1-94; 3.000" Radius, 1.000" Border

211 212



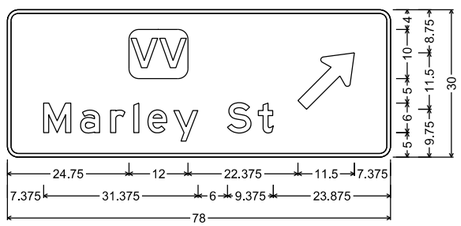
D1-62; 6.000" Radius, 1.000" Border

223



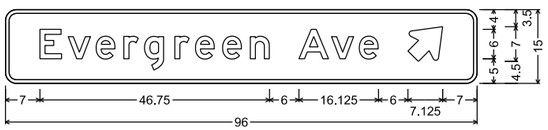
M1-94; 3.000" Radius, 1.000" Border

387 388



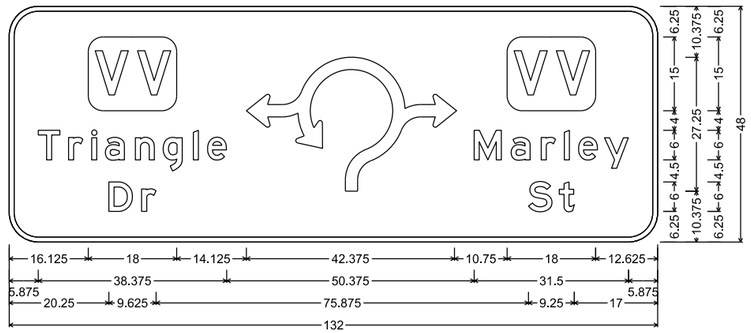
D1-2; 2.250" Radius, 0.750" Border

316 330 352



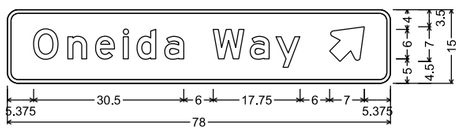
D1-1; 2.250" Radius, 0.750" Border

257



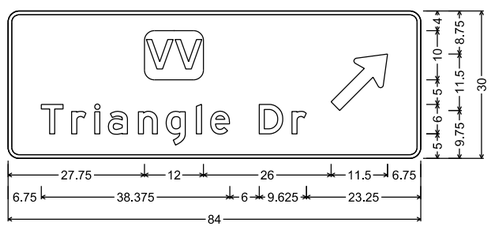
D1-62; 6.000" Radius, 1.000" Border

312



D1-1; 2.250" Radius, 0.750" Border

335



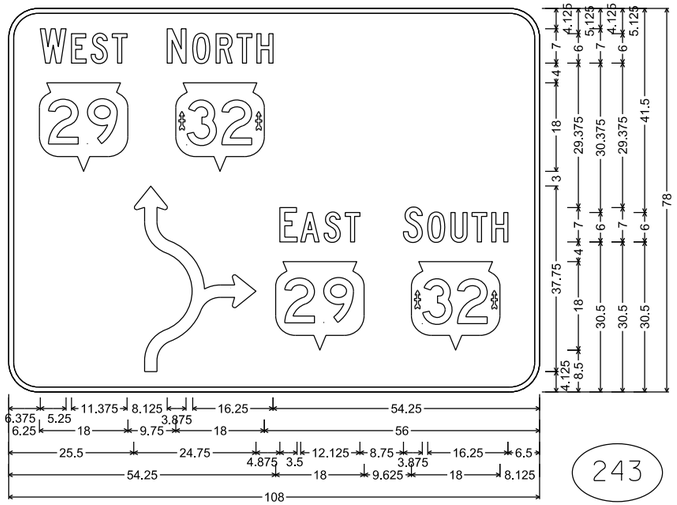
D1-2; 2.250" Radius, 0.750" Border

236 246 266

7

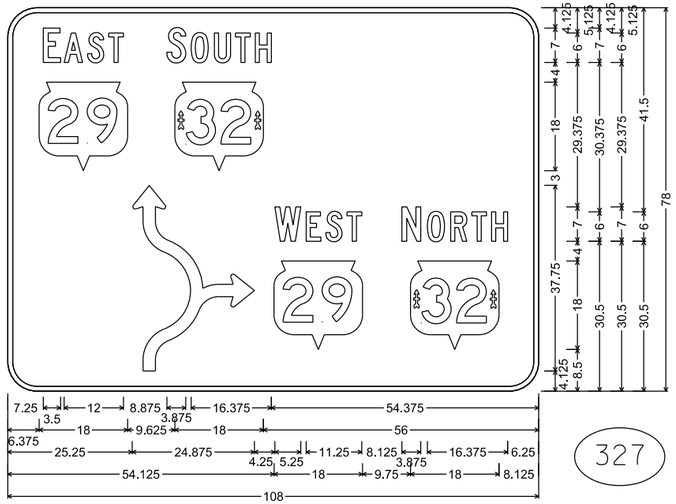
7

PROJECT NO: 9200-06-71	HWY: STH 29	COUNTY: BROWN	PERMANENT SIGNING	SHEET NO: 723	E



243

D1-62; 6.000" Radius, 1.000" Border
"WEST", C; "NORTH", C; "EAST", C; "SOUTH", C

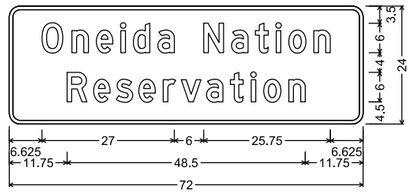


327

D1-62; 6.000" Radius, 1.000" Border
"EAST", C; "SOUTH", C; "WEST", C; "NORTH", C

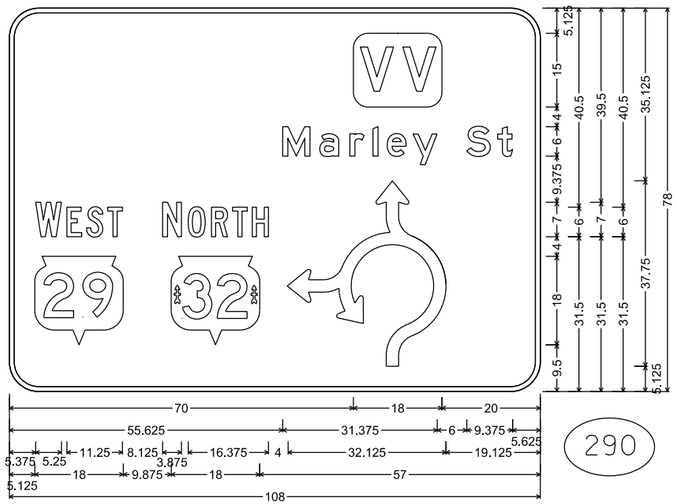
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted.



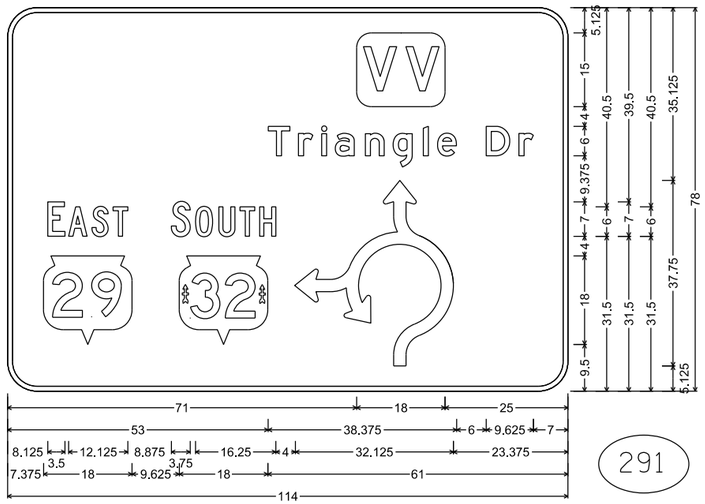
I2-2R; 2.250" Radius, 0.750" Border
"Oneida", D; "Nation", D; "Reservation", D

209



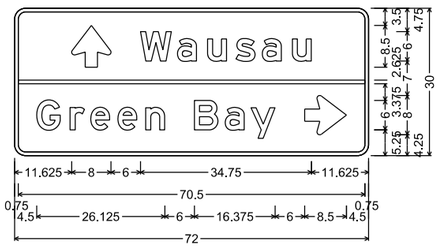
290

D1-62; 6.000" Radius, 1.000" Border
"WEST", C; "NORTH", C

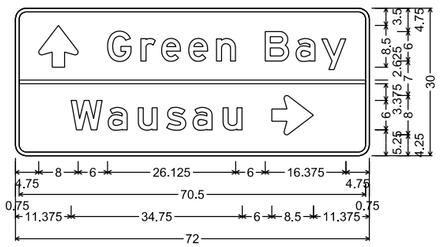


291

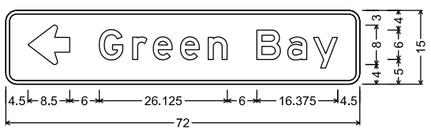
D1-62; 6.000" Radius, 1.000" Border
"EAST", C; "SOUTH", C



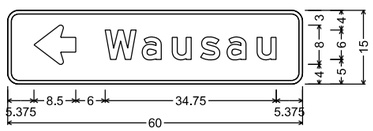
D1-2; 2.250" Radius, 0.750" Border



D1-2; 2.250" Radius, 0.750" Border



D1-1; 2.250" Radius, 0.750" Border

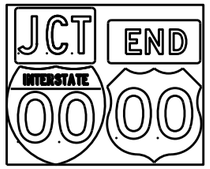


D1-1; 2.250" Radius, 0.750" Border

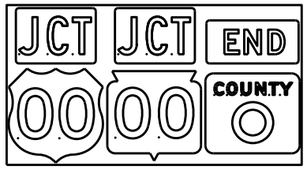
TYPICAL ASSEMBLIES



J1-1



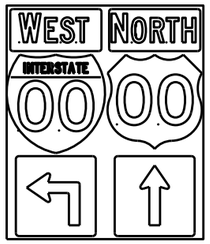
J1-2



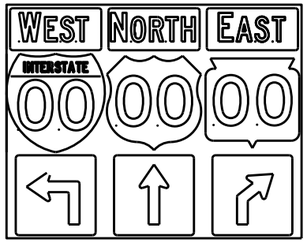
J1-3



J2-1



J2-2

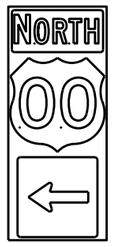


J2-3

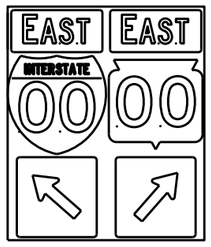


JV

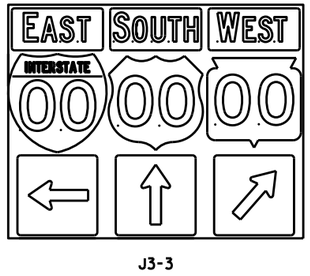
(Typical Vertical J-Assembly
See Note 10 and 11)



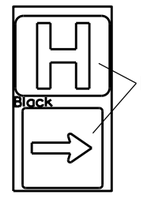
J3-1



J3-2



J3-3

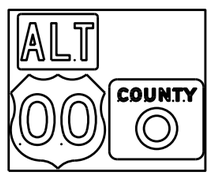


Blue Background

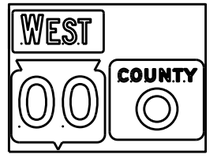
JH-1



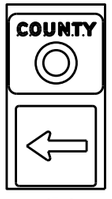
J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1

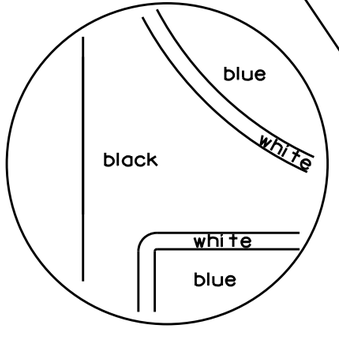


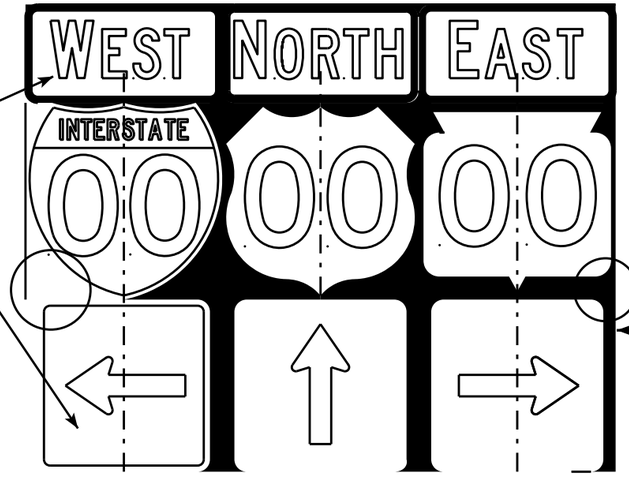
J23-1

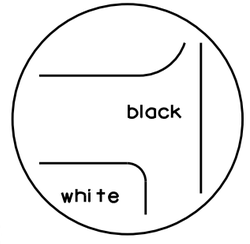


J22-1

[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

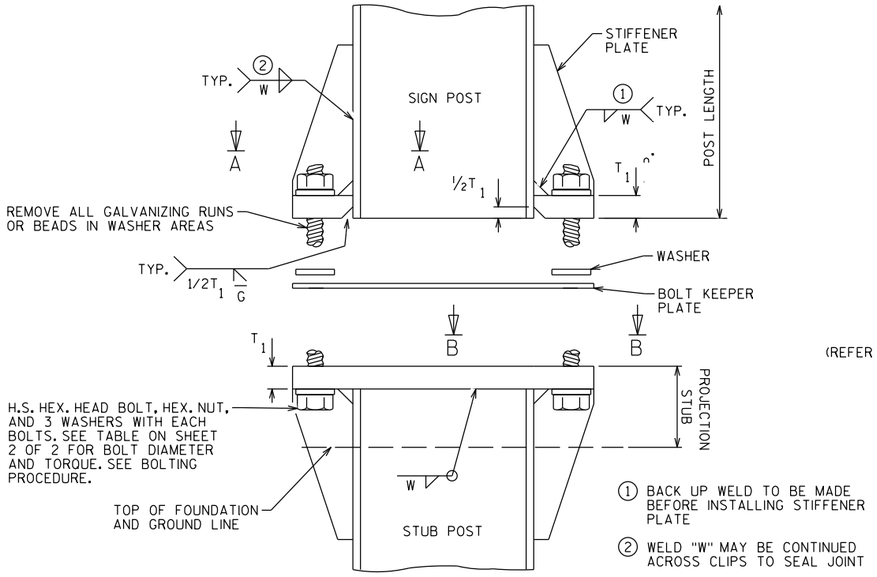
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/06/14 PL... A2-1S.8

PROJECT NO: SHEET NO: E

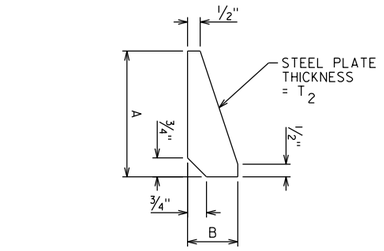
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN PLOT DATE : 06-FEB-2014 14:10 PLOT BY : mscsja PLOT NAME :
WISDOT/CADDS SHEET 42



① BACK UP WELD TO BE MADE BEFORE INSTALLING STIFFENER PLATE

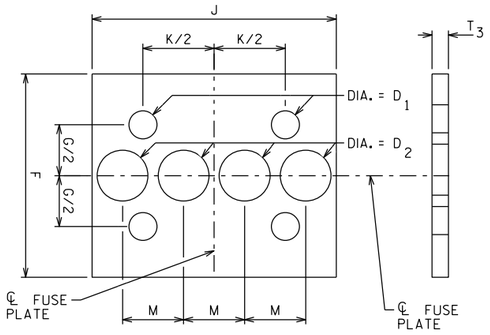
② WELD "W" MAY BE CONTINUED ACROSS CLIPS TO SEAL JOINT

SIGN POST & STUB POST ELEVATION



STIFFENER PLATE DETAIL

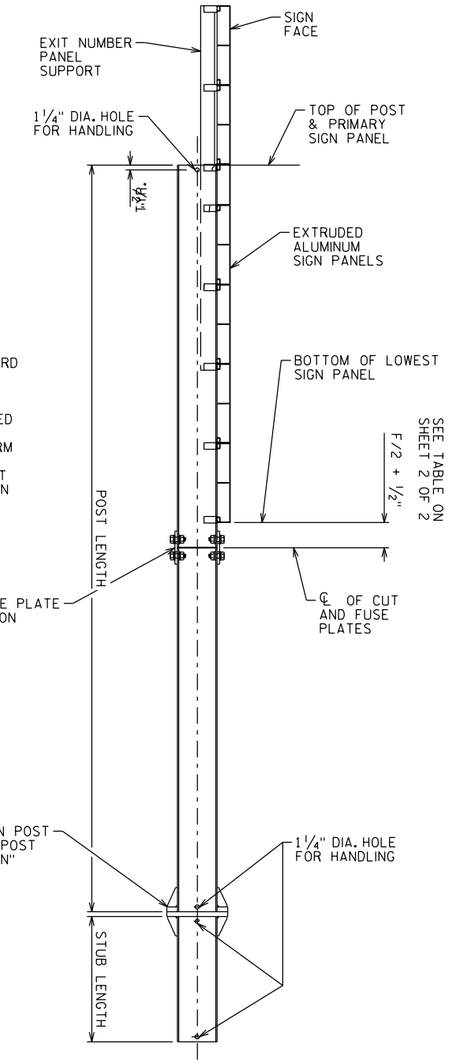
(REFER TO TABLE ON SHEET 2 OF 2 FOR DIMENSIONS)



PERFORATED FUSE PLATE DETAIL

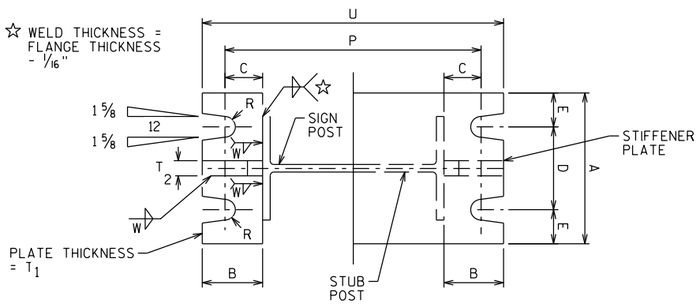
USE H.S. HEX HEAD BOLTS, HEX HEAD NUT AND FLAT WASHER UNDER NUT. INSTALL BOLTS PER THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION SECTION 506.3.12.3.

ALL HOLES SHALL BE DRILLED, SUB-PUNCHED AND REAMED. ALL PLATE CUTS SHALL PREFERABLY BE SAW CUTS. HOWEVER, FLAME CUTTING WILL BE PERMITTED PROVIDED ALL EDGES ARE GROUND. METAL PROJECTING BEYOND THE PLANE OF THE PLATE FACE WILL NOT BE PERMITTED. STEEL FUSE PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36. ASTM A572 GRADE 50 OR ASTM A588 MAY BE SUBSTITUTED FOR A36 AT THE OPTION OF THE FABRICATOR. MILL TEST REPORTS SHALL BE SUBMITTED FOR FUSE PLATES. STEEL USED SHALL HAVE AN ULTIMATE TENSILE STRENGTH NOT TO EXCEED 80 KSI.



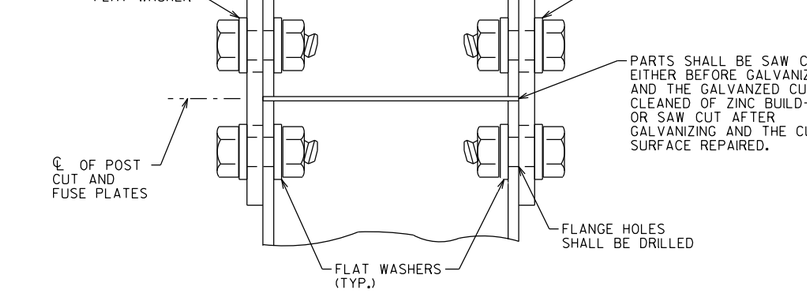
POST DETAIL

☆ WELD THICKNESS = FLANGE THICKNESS - 1/16"

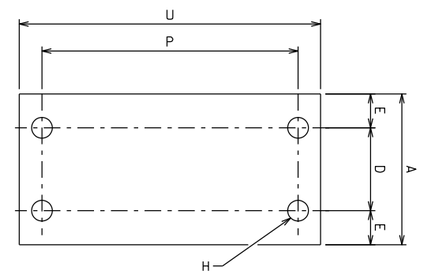


SECTION A-A

SECTION B-B



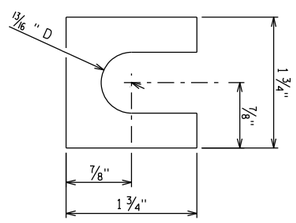
FUSE PLATE CONNECTION DETAIL



H = BOLT DIA. + 1/8"

BOLT KEEPER PLATE DETAIL

30 GA GALVANIZED SHEET STEEL



SHIM DETAIL

FURNISH TWO .012"± THICK AND TWO .032"± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO ASTM B36.

BOLTING PROCEDURE FOR BASE CONNECTION

1. ASSEMBLE SIGN POST, BOLT KEEPER PLATE, AND STUB POST WITH BOLTS AND THREE FLAT WASHERS PER BOLT AS SHOWN.
2. SHIM AS REQUIRED TO PLUMB POST.
3. PRIOR TO BOLT TIGHTENING, LUBRICATE BASE CONNECTION BOLTS WITH BEESWAX OR OTHER HIGH-WAX LUBRICANT.
4. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH A 12" OR 15" WRENCH TO BED WASHERS & SHIMS AND TO CLEAN BOLT THREADS.
5. LOOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PERSCRIBED TORQUE. (SEE TABLE FOR PERSCRIBED TORQUE). DO NOT OVER-TIGHTEN.
6. BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE BTO TYPE I SIGNS

DRAWN BY	PLANS CK'D.

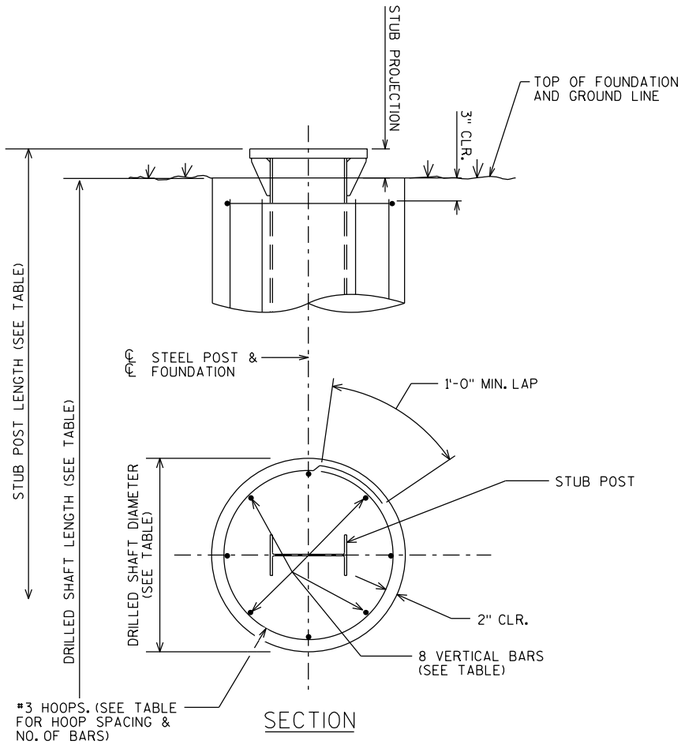
CONNECTION & FOUNDATION DETAILS 1 OF 2

SHEET A3-1.20

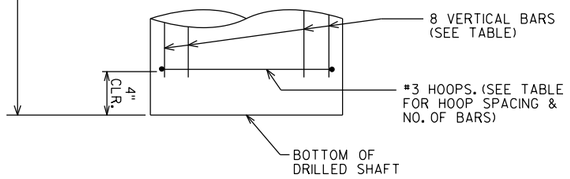
726

7

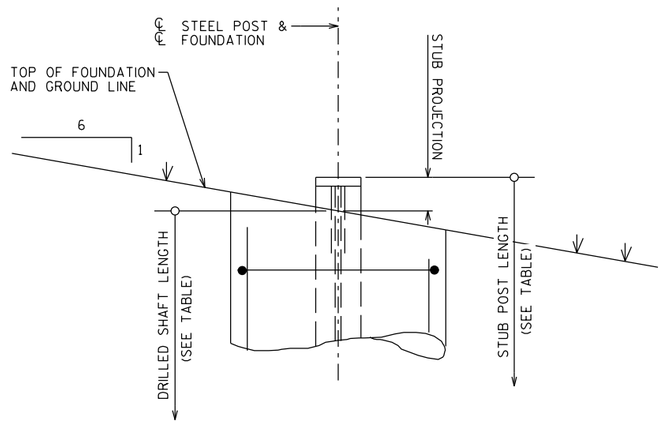
7



SECTION



FOUNDATION DETAIL



SHAFT PLACEMENT

FOUNDATION DATA TABLE

POST SHAPE	STUB LENGTH	STUB PROJECTION	DRILLED SHAFT DIAMETER	DRILLED SHAFT LENGTH	VERTICAL BARS		HOOPS		CONCRETE VOLUME ◆	TOTAL REINF. WEIGHT ◆
					SIZE	LENGTH	MAX SPA.	NO.		
W6X15	2'-6"	3"	24"	6'-6"	#5	5'-11"	10"	9	0.8 CY	71 LB
W8X18	2'-6"	3"	24"	7'-6"	#6	6'-11"	12"	8	0.9 CY	102 LB
W8X21	3'-0"	2½"	24"	8'-0"	#6	7'-5"	12"	9	1.0 CY	110 LB
W10X22	3'-0"	2½"	24"	8'-6"	#7	7'-11"	12"	9	1.0 CY	151 LB
W12X26	3'-0"	2½"	24"	10'-0"	#7	9'-5"	12"	11	1.2 CY	180 LB

◆ QUANTITIES SHOWN ARE FOR ONE DRILLED SHAFT

BASE CONNECTION & FUSE PLATE DATA TABLE

POST SHAPE	WEIGHT PER FOOT	BASE CONNECTION DATA: BOLT SIZE & TORQUE	A	B	C	D	E	T1	T2	W	R	BOLT KEEPER PLATE DATA: P	U	PERFORATED FUSE PLATE DATA: F	G	J	K	M	D1	D2	T3	BOLT DIA.	WGT. EA. LBS	BOLT LENGTH	V ◪
W6X15	15 LB	⅝" DIA. X 4" 36 TO 38 FT-LB	5"	2"	1¼"	2¾"	1⅛"	1¼"	½"	¼"	11/32"	8½"	10"	5"	2½"	6"	3½"	1½"	11/16"	1¼"	⅜"	⅝"	2.4	2	73.0 LB
W8X18	18 LB											10⅝"	12⅛"	5"	2½"	5¼"	2¾"	1¼"	11/16"	1 1/16"	⅜"	⅝"	2.0	2	83.0 LB
W8X21	21 LB	¾" DIA. X 4¾" 62 TO 63 FT-LB	6"	2¼"	1⅜"	3½"	1¼"	1½"	¾"	5/16"	13/32"	11"	12¾"	5½"	2½"	5¼"	2¾"	1¼"	13/16"	1"	½"	¾"	3.1	2¼"	124.0 LB
W10X22	22 LB											12⅞"	14⅝"	6"	3"	5¾"	2¾"	1⅜"	13/16"	1⅛"	½"	¾"	3.9	2¼"	134.0 LB
W12X26	26 LB											15"	16¾"	6"	3"	6½"	3½"	1⅝"	13/16"	1 5/16"	½"	¾"	4.5	2¼"	152.0 LB

◪ TOTAL STRUCTURAL CARBON STEEL WEIGHT FOR ONE POST = V + (POST LENGTH X POST WEIGHT PER FOOT)

"V" INCLUDES STUB POST, BASE PLATES, STIFFENER PLATES, PERFORATED FUSE PLATES, BOLTS, NUTS, AND WASHERS.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

MATERIALS SHALL CONFORM TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 506, UNLESS NOTED OTHERWISE.

FABRICATION SHALL CONFORM TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 506.

ALL POST, POST STUBS & ATTACHMENTS SHALL BE ASTM A709 GRADE 50, GALVANIZED IN ACCORDANCE WITH ASTM A123.

THE POST, BASE PLATES, UPPER SIX INCHES OF STUB POST, FLANGE SPLICE PLATE AND FUSE PLATE SHALL BE GALVANIZED AFTER FABRICATION.

H.S. BOLTS, WASHERS, & NUTS SHALL BE A325 GALVANIZED.

FOUNDATION MATERIAL PROPERTIES

CONCRETE MASONRY	F'C = 3,500 P.S.I.
BAR STEEL REINFORCEMENT (UNCOATED), GRADE 60	FY = 60,000 P.S.I.

DESIGN DATA

DESIGN CONFORMS TO AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS 1ST EDITION 2015 (WITH 2017 & 2018 INTERIM REVISIONS).

DEAD LOADS (DL):

- STEEL POST SELF WEIGHT
- SIGN PANEL WEIGHT = 3 PSF

WIND LOADS (WL):

WIND LOADS WERE APPLIED TO THE PROJECTED AREAS OF THE SIGN PANELS AND THE STEEL SIGN POSTS.

- BASIC WIND SPEED = 76 MPH
- MEAN RECURRANCE INTERVAL (MRI) = 10 YEARS
- HEIGHT & EXPOSURE FACTOR = 1.00
- DIRECTIONALITY FACTOR = 0.85
- GUST EFFECT FACTOR = 1.14

WIND LOAD CASES:

- WL CASE 1: 1.0 X NORMAL WIND
- WL CASE 2: 1.0 X TRANSVERSE WIND
- WL CASE 3: 0.75 X NORMAL WIND + 0.75 X TRANSVERSE WIND

LOAD COMBINATIONS:

LOAD COMBINATION	TYPE	DL FACTOR	WL FACTOR
STRENGTH I	GRAVITY	1.25	-
EXTREME I	WIND	1.10	1.0
		0.9	1.0
SERVICE I	DEFLECTION	1.0	1.0

FOUNDATION DESIGN DATA

THE FOUNDATION DESIGN ASSUMED COHESIONLESS SOILS (LOOSE SAND) ABOVE THE WATER TABLE WITH THE FOLLOWING PROPERTIES:

- SOIL UNIT WEIGHT = 115 PCF
- ANGLE OF INTERNAL FRICTION = 24 DEGREES
- SOIL MODULUS PARAMETER = 25 LB/IN3

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE BTO TYPE I SIGNS

DRAWN BY | PLANS CK'D.

CONNECTION & FOUNDATION DETAILS 2 OF 2

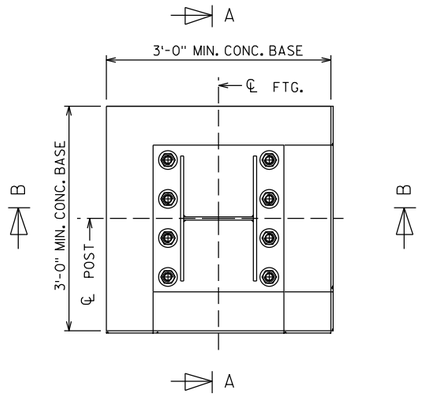
SHEET A3-1.20

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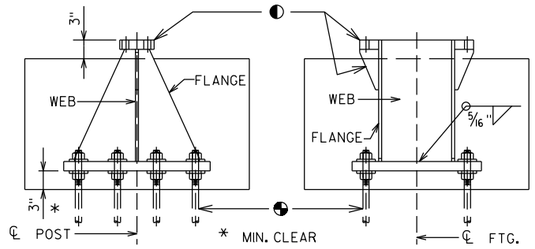
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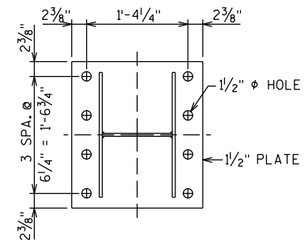
STUB AND ADHESIVE ANCHOR DETAILS



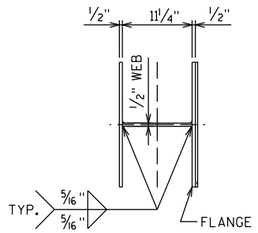
STUB SECTION



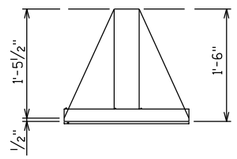
SECTION A-A SECTION B-B



BASE PLATE



STUB



FLANGE

◐ SEE BASE CONNECTION DETAILS ON "CONNECTIONS & FOUNDATION DETAILS" SHEETS.

◔ ADHESIVE ANCHORS 1¼-INCHES. ALLOWABLE PULL OUT CAPACITY = 15 KIPS. EMBED 1'-3" INTO ROCK.

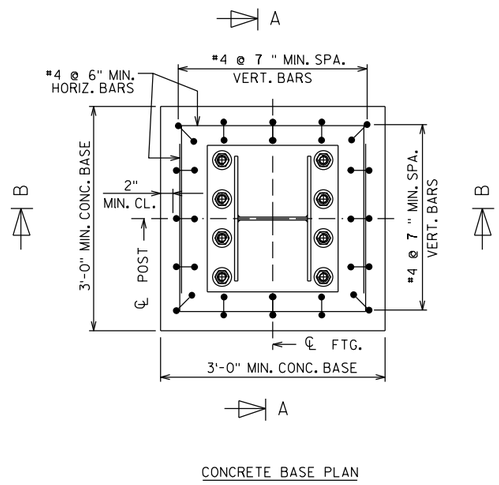
GENERAL NOTES:

QUANTITIES PER BASE:
REINFORCING STEEL = 62 LB
CONCRETE = 0.6 CY
STRUCTURAL STEEL = 335 LB

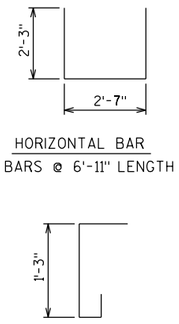
ALL MATERIALS, EXCEPT FOR ANCHOR ROD, NUTS, AND WASHERS, SHALL BE ASTM A709 GRADE 50. ALL MATERIALS TO BE GALVANIZED AFTER FABRICATION.

IF ROCK IS ENCOUNTERED PRIOR TO REACHING THE MINIMUM DRILLED SHAFT EMBEDMENT DEPTH DEFINED ON THE FOUNDATION DATA TABLE OF THE "CONNECTIONS & FOUNDATION DETAILS 2 OF 2" SHEET, THE CONTRACTOR SHALL INSTALL A TEST ADHESIVE ANCHOR AND DETERMINE THE PULL-OUT CAPACITY. IF THE FIELD TEST RESULTS IN A PULL-OUT CAPACITY GREATER THAN OR EQUAL TO 15 KIPS, THE CONTRACTOR MAY INSTALL THE ALTERNATE CONCRETE BASE AND BREAK-WAY STUB PER THE DETAILS ON THIS SHEET.

CONCRETE BASE DETAILS

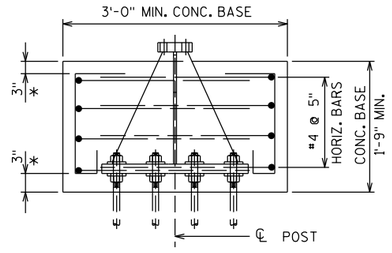


CONCRETE BASE PLAN

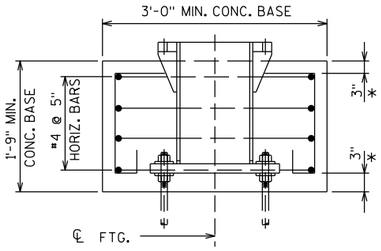


HORIZONTAL BAR
8 BARS @ 6'-11" LENGTH

VERTICAL BARS
16 BARS @ 2'-4" LENGTH
MAY BE PLACED IN SKEW
FOR CLEARANCE NEED



SECTION A-A



SECTION B-B

* MIN. CLEAR

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE BTO TYPE I SIGNS

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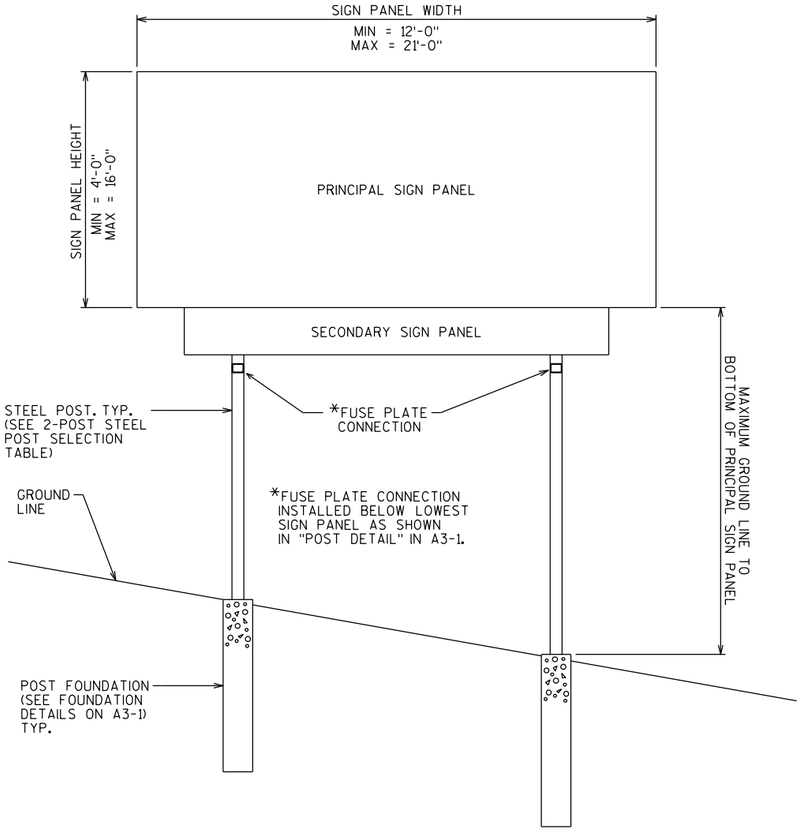
ALTERNATE BREAK-AWAY BASE ON ROCK

SHEET A3-1M.2

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2-POST STEEL POST SELECTION TABLE

SIGN PANEL HEIGHT	MAXIMUM GROUND LINE TO BOTTOM OF PRINCIPAL SIGN PANEL														SIGN PANEL WIDTH											
	16'	15'	14'	13'	12'	11'	10'	9'	8'	7'	6'	5'	4'	3'	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"
	14'	15'	16'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13'	14'	15'	16'	-	-	-	-	-	-	-	-	-	-	W12X26	-	-	-	-	-	-	-	-	-	-	-
	12'	13'	14'	15'	16'	-	-	-	-	-	-	-	-	-	W12X26	W12X26	W12X26	-	-	-	-	-	-	-	-	-	-
	11'	12'	13'	14'	15'	16'	-	-	-	-	-	-	-	-	W12X26	W12X26	W12X26	W12X26	-	-	-	-	-	-	-	-	-
	10'	11'	12'	13'	14'	15'	16'	-	-	-	-	-	-	-	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	-	-	-	-	-	-	-
	9'	10'	11'	12'	13'	14'	15'	16'	-	-	-	-	-	-	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	-	-	-	-	-
	8'	9'	10'	11'	12'	13'	14'	15'	16'	16'	16'	16'	16'	16'	W8X21	W10X22	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	-	-	-
	7'	8'	9'	10'	11'	12'	13'	14'	15'	15'	15'	15'	15'	15'	W8X21	W8X21	W8X21	W10X22	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	-
	6'	7'	8'	9'	10'	11'	12'	13'	14'	14'	14'	14'	14'	14'	W8X21	W8X21	W8X21	W8X21	W10X22	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
	5'	6'	7'	8'	9'	10'	11'	12'	13'	13'	13'	13'	13'	13'	W8X18	W8X18	W8X21	W8X21	W10X22	W10X22	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
	4'	5'	6'	7'	8'	9'	10'	11'	12'	12'	12'	12'	12'	12'	W6X15	W8X18	W8X18	W8X18	W8X21	W10X22	W10X22	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26
	-	4'	5'	6'	7'	8'	9'	10'	11'	11'	11'	11'	11'	11'	W6X15	W6X15	W8X18	W8X18	W8X21	W8X21	W10X22	W10X22	W10X22	W12X27	W12X26	W12X26	W12X26
	-	-	4'	5'	6'	7'	8'	9'	10'	10'	10'	10'	10'	10'	W6X15	W6X15	W8X18	W8X18	W8X18	W8X21	W8X21	W10X22	W10X22	W10X22	W12X26	W12X26	W12X26
	-	-	-	4'	5'	6'	7'	8'	9'	9'	9'	9'	9'	9'	W6X15	W6X15	W6X15	W8X18	W8X18	W8X18	W8X21	W8X21	W10X22	W10X22	W10X22	W12X26	W12X26
	-	-	-	-	4'	5'	6'	7'	8'	8'	8'	8'	8'	8'	W6X15	W6X15	W6X15	W6X15	W8X18	W8X18	W8X18	W8X21	W8X21	W10X22	W10X22	W10X22	W10X22
	-	-	-	-	-	4'	5'	6'	7'	7'	7'	7'	7'	7'	W6X15	W6X15	W6X15	W6X15	W6X15	W8X18	W8X18	W8X18	W8X21	W8X21	W10X22	W10X22	W10X22
	-	-	-	-	-	-	4'	5'	6'	6'	6'	6'	6'	6'	W6X15	W6X15	W6X15	W6X15	W6X15	W6X15	W8X18	W8X18	W8X18	W8X21	W8X21	W10X22	W10X22
	-	-	-	-	-	-	-	4'	5'	5'	5'	5'	5'	5'	W6X15	W6X15	W6X15	W6X15	W6X15	W6X15	W6X15	W8X18	W8X18	W8X18	W8X21	W8X21	W8X21
	-	-	-	-	-	-	-	-	4'	4'	4'	4'	4'	4'	W6X15	W6X15	W6X15	W6X15	W6X15	W6X15	W6X15	W6X15	W8X18	W8X18	W8X18	W8X18	W8X18



2-POST SIGN CONFIGURATION

STEEL POST SELECTION NOTES:

USE PROPOSED SIGN PANEL DIMENSIONS AND THE MAXIMUM HEIGHT FROM THE GROUND LINE TO THE BOTTOM OF THE PRINCIPAL SIGN PANEL TO DETERMINE THE MINIMUM REQUIRED STEEL POST SIZE.

"-" INDICATES THAT THERE IS NO STANDARD STEEL POST DESIGN FOR THE PROPOSED SIGN CONFIGURATION. CONTACT THE WISDOT BUREAU OF STRUCTURES TO REQUEST AN ANALYSIS AND DESIGN FOR THE PROPOSED SIGN CONFIGURATION.

IF THE MAXIMUM PROPOSED HEIGHT FROM THE GROUND LINE TO BOTTOM OF SIGN PANEL IS NOT IN A 1-FOOT INCREMENT, SELECT THE MINIMUM REQUIRED STEEL POST SIZE BASED ON THE NEXT LARGEST 1-FOOT INCREMENT. (FOR EXAMPLE, IF THE PROPOSED GROUND LINE TO BOTTOM OF SIGN PANEL HEIGHT IS 14'-2", SELECT THE POST SIZE BASED ON A GROUND LINE TO BOTTOM OF SIGN PANEL HEIGHT OF 15'-0").

IF A PROPOSED SIGN PANEL HEIGHT DIMENSION IS IN A 6" INCREMENT, SELECT THE MINIMUM REQUIRED STEEL POST SIZE THAT FALLS WITHIN THE NEXT LARGEST 1-FOOT INCREMENT. (FOR EXAMPLE, IF THE REQUIRED SIGN PANEL HEIGHT IS 12'-6", SELECT THE POST SIZE BASED ON A SIGN PANEL HEIGHT OF 13'-0")

FOR PROPOSED SIGN CONFIGURATIONS WHERE THE POST HEIGHTS VARY, SELECT THE STEEL POST SIZE BASED ON THE MAXIMUM DIMENSION FROM THE GROUND LINE TO THE BOTTOM OF PRINCIPAL SIGN PANEL. (FOR EXAMPLE, IF THE DIMENSION FROM THE GROUND LINE TO THE BOTTOM OF THE PRINCIPAL SIGN PANEL IS 8-FEET FOR ONE POST AND 10-FEET FOR THE SECOND POST, SELECT THE POST SIZE BASED ON THE 10-FOOT DIMENSION.)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE BTO TYPE I SIGNS

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2-POST SIGN CONFIGURATION

SHEET A3-2.6

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3-POST STEEL POST SELECTION TABLE

SIGN PANEL HEIGHT	MAXIMUM GROUND LINE TO BOTTOM OF PRINCIPAL SIGN PANEL										SIGN PANEL WIDTH																								
	14'	13'	12'	11'	10'	9'	8'	7'	6'	5'	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"	25'-0"	26'-0"	27'-0"	28'-0"	29'-0"	30'-0"	31'-0"	32'-0"	33'-0"	34'-0"	35'-0"	36'-0"
16'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15'	16'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14'	15'	16'	-	-	-	-	-	-	-			W12X26	W12X26	W12X26	W12X26	W12X26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13'	14'	15'	16'	-	-	-	-	-	-				W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12'	13'	14'	15'	16'	-	-	-	-	-						W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11'	12'	13'	14'	15'	16'	-	-	-	-								W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	-	-	-	-	-	-	-	-	-	-	-	-	-
10'	11'	12'	13'	14'	15'	16'	-	-	-										W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	-	-	-	-	-	-	-	-	-	-
9'	10'	11'	12'	13'	14'	15'	16'	-	-											W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	-	-	-	-	-	-	-	-
8'	9'	10'	11'	12'	13'	14'	15'	16'	-												W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	-	-	-	-	-	-
7'	8'	9'	10'	11'	12'	13'	14'	15'	16'												W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	-	-	-	-
6'	7'	8'	9'	10'	11'	12'	13'	14'	15'												W10X22	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	-	-
5'	6'	7'	8'	9'	10'	11'	12'	13'	14'												W10X22	W10X22	W10X22	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
4'	5'	6'	7'	8'	9'	10'	11'	12'	13'												W8X21	W10X22	W10X22	W10X22	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
-	4'	5'	6'	7'	8'	9'	10'	11'	12'												W8X21	W8X21	W10X22	W10X22	W10X22	W10X22	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
-	-	4'	5'	6'	7'	8'	9'	10'	11'												W8X18	W8X21	W8X21	W10X22	W10X22	W10X22	W10X22	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26	W12X26
-	-	-	4'	5'	6'	7'	8'	9'	10'												W8X18	W8X18	W8X21	W8X21	W8X21	W10X22	W10X22	W10X22	W10X22	W12X26	W12X26	W12X26	W12X26	W12X26
-	-	-	-	4'	5'	6'	7'	8'	9'												W8X18	W8X18	W8X18	W8X18	W8X21	W8X21	W8X21	W10X22	W10X22	W10X22	W10X22	W10X22	W12X26	W12X26
-	-	-	-	-	4'	5'	6'	7'	8'												W6X15	W8X18	W8X18	W8X18	W8X18	W8X18	W8X21	W8X21	W8X21	W10X22	W10X22	W10X22	W10X22	W10X22
-	-	-	-	-	-	4'	5'	6'	7'												W6X15	W6X15	W8X18	W8X18	W8X18	W8X18	W8X18	W8X18	W8X21	W8X21	W8X21	W10X22	W10X22	W10X22

SEE "2-POST SIGN CONFIGURATION" SHEET

STEEL POST SELECTION NOTES:

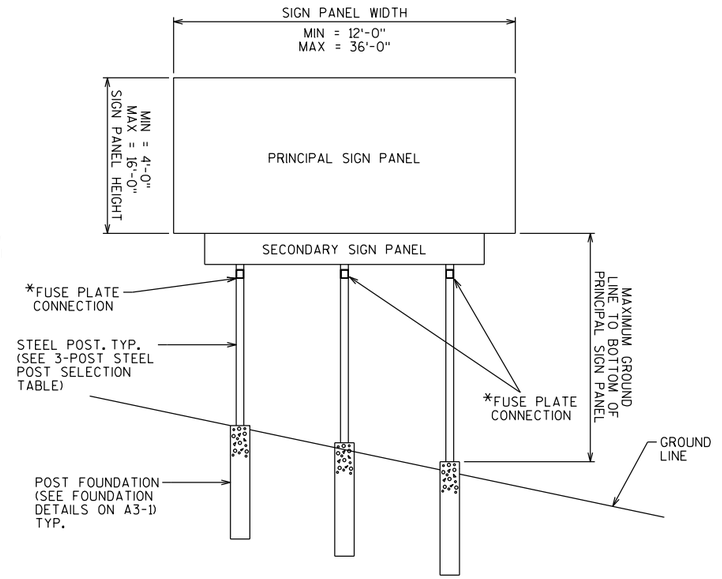
USE PROPOSED SIGN PANEL DIMENSIONS AND THE MAXIMUM HEIGHT FROM THE GROUND LINE TO THE BOTTOM OF THE PRINCIPAL SIGN PANEL TO DETERMINE THE MINIMUM REQUIRED STEEL POST SIZE.

"-" INDICATES THAT THERE IS NO STANDARD STEEL POST DESIGN FOR THE PROPOSED SIGN CONFIGURATION. CONTACT THE WISDOT BUREAU OF STRUCTURES TO REQUEST AN ANALYSIS AND DESIGN FOR THE PROPOSED SIGN CONFIGURATION.

IF A PROPOSED SIGN PANEL HEIGHT DIMENSION IS IN A 6" INCREMENT, SELECT THE MINIMUM REQUIRED STEEL POST SIZE THAT FALLS WITHIN THE NEXT LARGEST 1-FOOT INCREMENT. (FOR EXAMPLE, IF THE REQUIRED SIGN PANEL HEIGHT IS 12'-6", SELECT THE POST SIZE BASED ON A SIGN PANEL HEIGHT OF 13'-0")

FOR PROPOSED SIGN CONFIGURATIONS WHERE THE POST HEIGHTS VARY, SELECT THE STEEL POST SIZE BASED ON THE MAXIMUM DIMENSION FROM THE GROUND LINE TO THE BOTTOM OF PRINCIPAL SIGN PANEL. (FOR EXAMPLE, IF THE DIMENSION FROM THE GROUND LINE TO THE BOTTOM OF THE PRINCIPAL SIGN PANEL IS 8-FEET FOR ONE POST AND 10-FEET FOR THE SECOND POST, SELECT THE POST SIZE BASED ON THE 10-FOOT DIMENSION.)

*FUSE PLATE INSTALLED BELOW LOWEST SIGN PANEL AS SHOWN IN "POST DETAIL" IN A3-1.



3-POST SIGN CONFIGURATION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

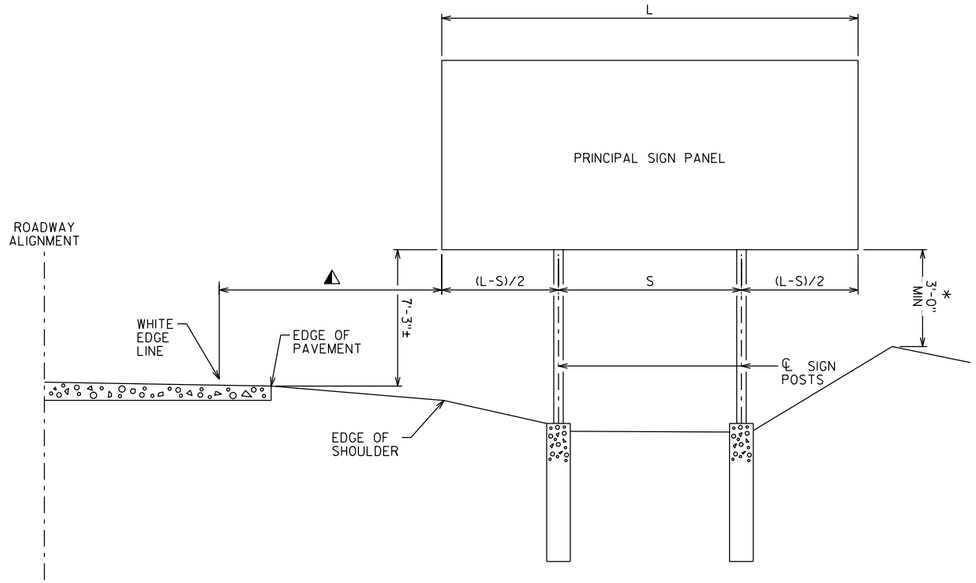
STRUCTURE BTO TYPE I SIGNS

DRAWN BY | PLANS CK'D.

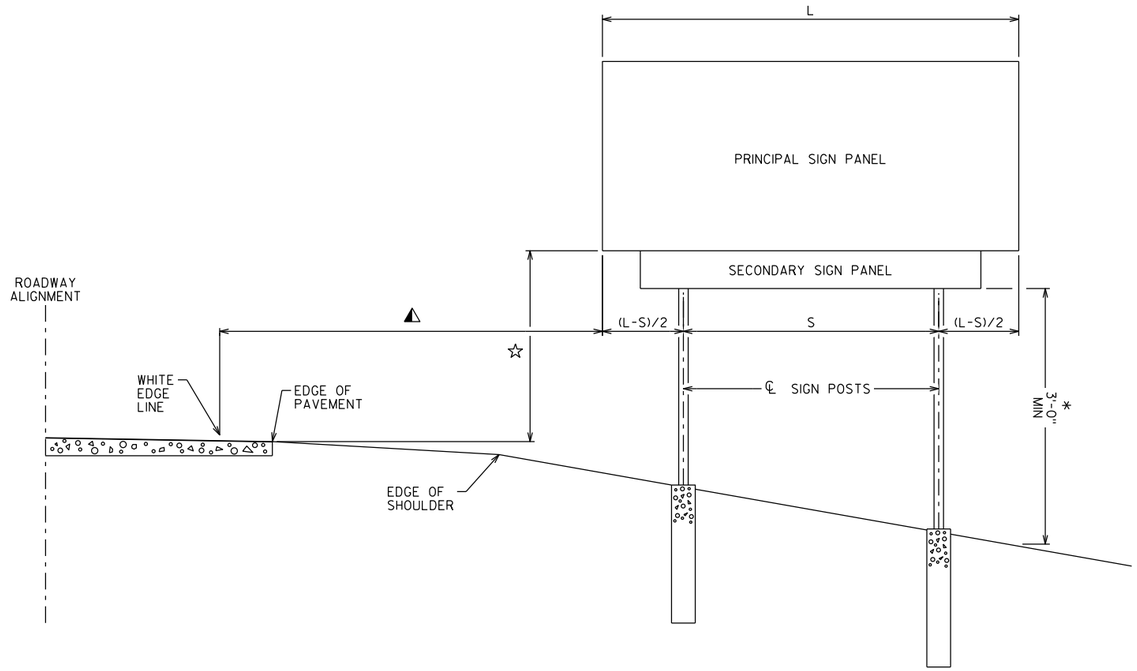
3-POST SIGN CONFIGURATION

SHEET A3-3.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 730 E



INSTALLATION WITHOUT SECONDARY SIGN



INSTALLATION WITH SECONDARY SIGN

TYPE 1 SIGN INSTALLATION NOTES:

FOR A 2-POST INSTALLATION, "S" EQUALS 3L/5, BUT SHALL NOT BE LESS THAN 6'-0".

FOR A 3-POST INSTALLATION, "S" EQUALS 5L/7, BUT SHALL NOT BE LESS THAN 12'-0". THE SPACING BETWEEN ANY TWO POSTS SHALL NOT BE LESS THAN 6'-0".

◭ UNLESS NOTED IN THE PLANS, THE SIGN OFFSET DISTANCE SHALL BE A MINIMUM OF 17'-6" FROM THE WHITE EDGE LINE, DESIRABLE 30'-0".

THE ± TOLERANCE SHOWN ON THIS SHEETS IS 3".

THE VERTICAL SIGN HEIGHT CLEARANCES SHOWN ON THIS SHEET ARE MEASURED FROM THE BOTTOM OF THE SIGN PANEL TO THE NEAR EDGE OF PAVEMENT.

☆ THE VERTICAL CLEARANCE SHALL BE 8'-3"± WHEN THE SECONDARY SIGN HEIGHT IS 3'-0" OR LESS. FOR SECONDARY SIGN HEIGHTS LARGER THAN 3'-0", THE VERTICAL CLEARANCE TO THE BOTTOM OF THE SECONDARY SIGN PANEL SHALL BE 5'-3"±.

* THE VERTICAL SIGN GROUND CLEARANCE ON RIGHT END OF SIGN SHALL BE A MINIMUM OF 3'-0"±.

POST LENGTHS SHOWN IN THE MISCELLANEOUS QUANTITIES ARE ESTIMATED LENGTHS. THE CONTRACTOR SHALL VERIFY POST LENGTHS AT THE TIME OF FINAL GRADING.

REFER TO THE TRAFFIC ENGINEERING OPERATIONS AND SAFETY MANUAL FOR FURTHER GUIDANCE ON MINIMUM VERTICAL CLEARANCE REQUIREMENTS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

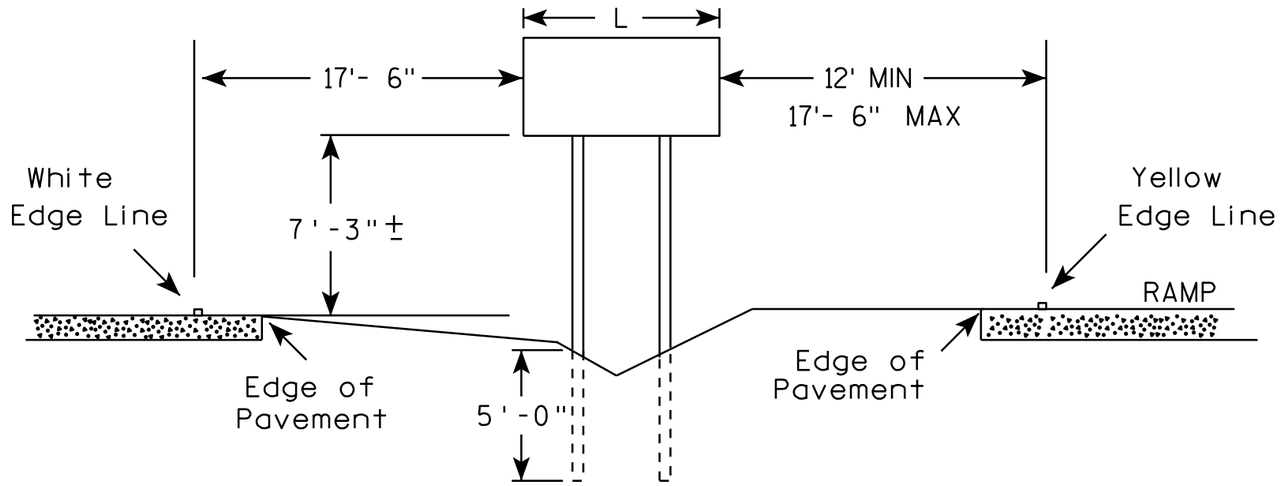
STRUCTURE BTO TYPE I SIGNS

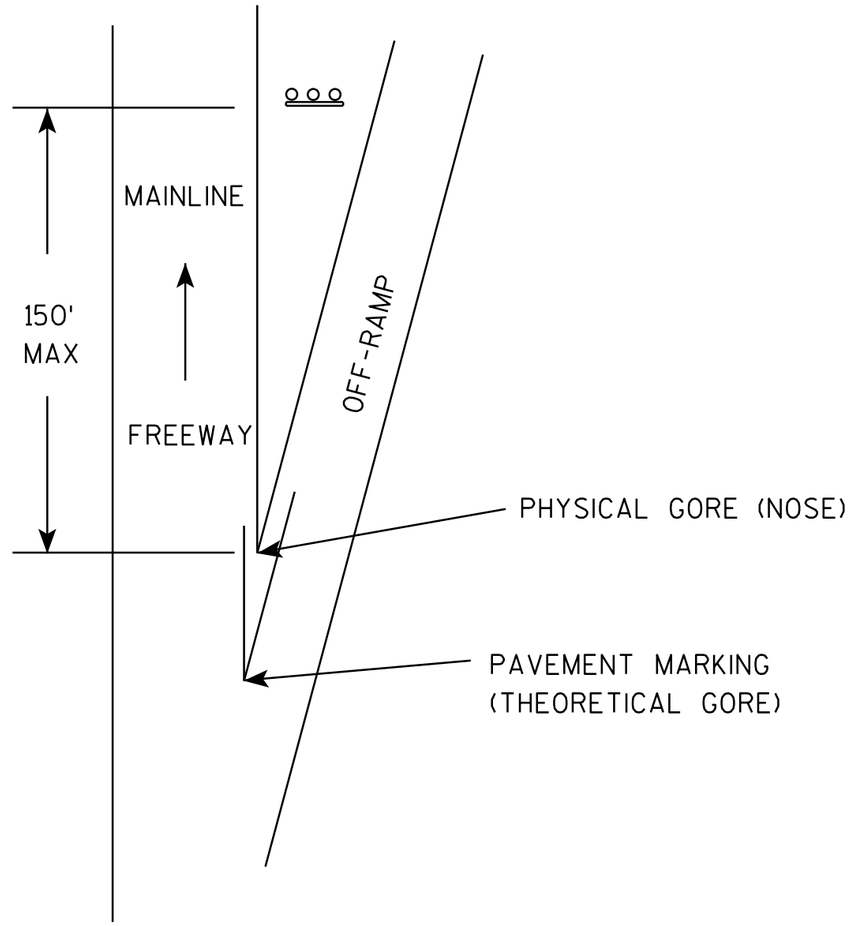
DRAWN BY | PLANS CK'D.

TYPICAL TYPE I SIGN INSTALLATION

SHEET A4-1.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 731 | E





GENERAL NOTES

1. The 150 foot distance from the physical gore (where pavement ends) will normally provide the offsets as shown.
2. If roadway geometrics permit, the sign may be closer than the 150 foot distance as long as the offsets are maintained.
3. At no time shall the location be greater than 150 feet. If the normal offsets cannot be maintained, they can be reduced to 6 feet from the edge of the paved shoulder (both freeway and ramp).
4. The offset from edge of sign to the yellow edge line on the ramp is shown as a minimum of 12 feet and a maximum of 17 feet, 6 inches. Preference is adhering to the maximum rather than the minimum dimension.
5. When L is equal to or exceeds 10 feet, use 3 posts as per A4-4.
6. The (∓) tolerance for the mounting height is 3 inches.

TYPICAL INSTALLATION OF TYPE II SIGNS ON WOOD POSTS IN GORE

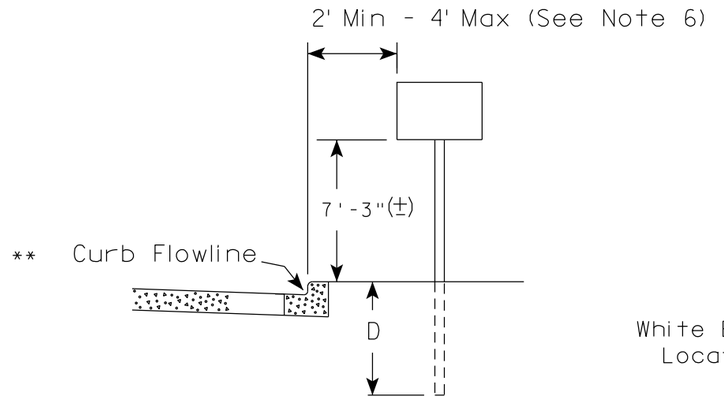
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

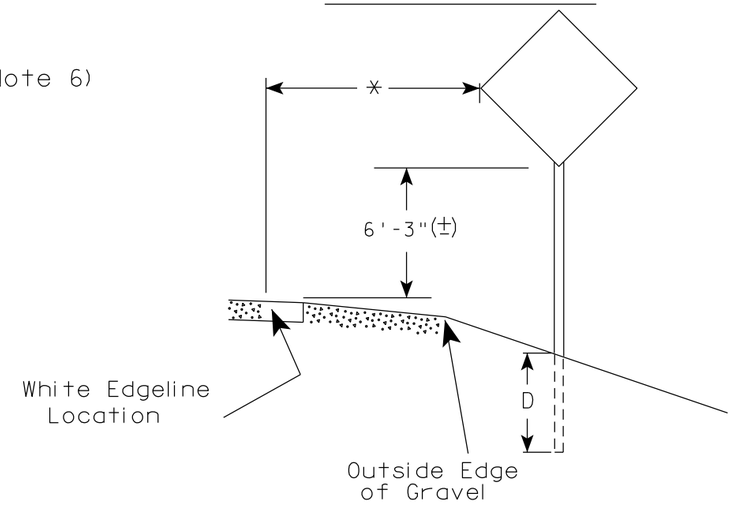
DATE 2/06/14 PLA... A4-2.3

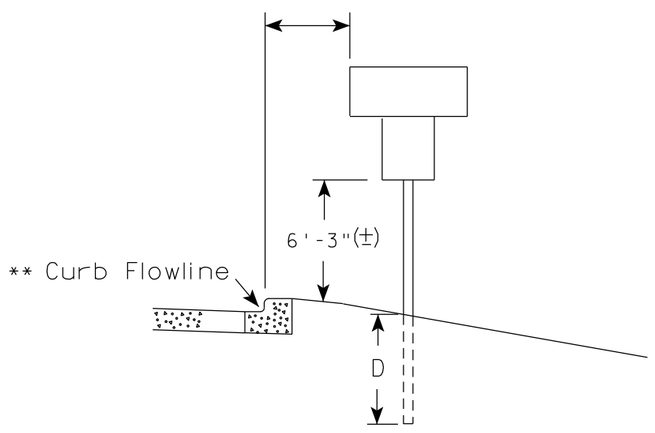
PROJECT NO: | SHEET NO: E

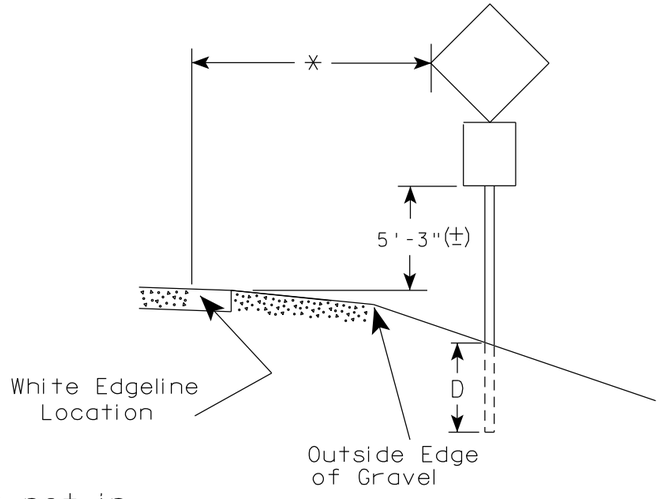
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.

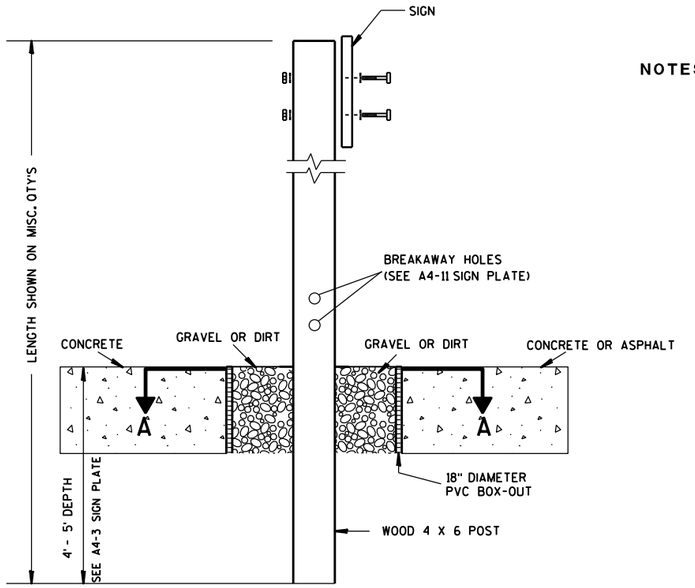
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

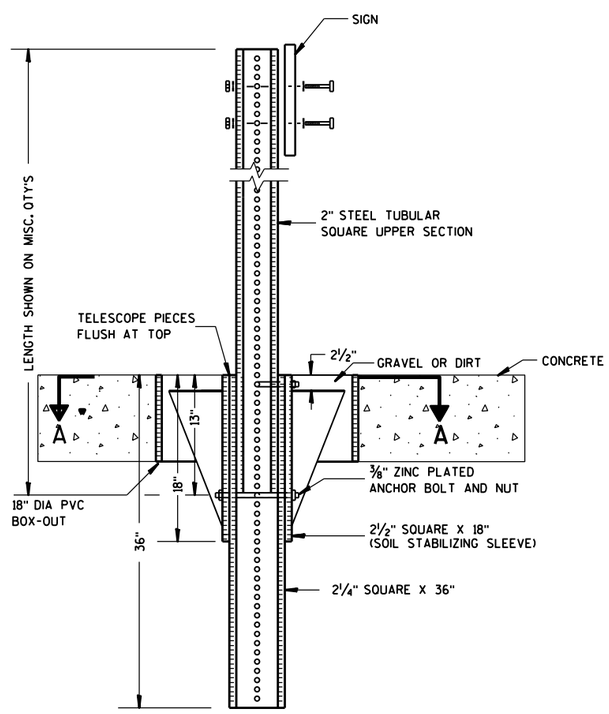
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 733	E



ELEVATION VIEW

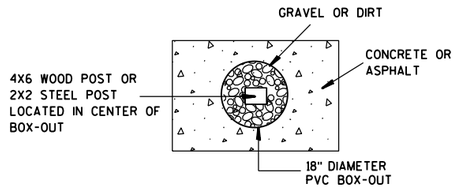
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

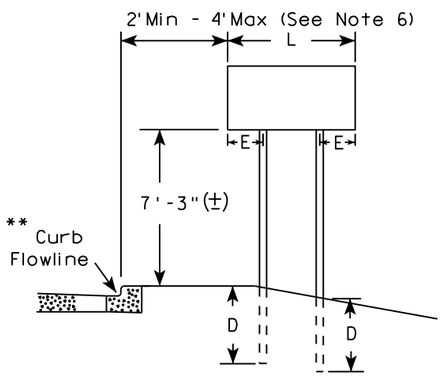
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

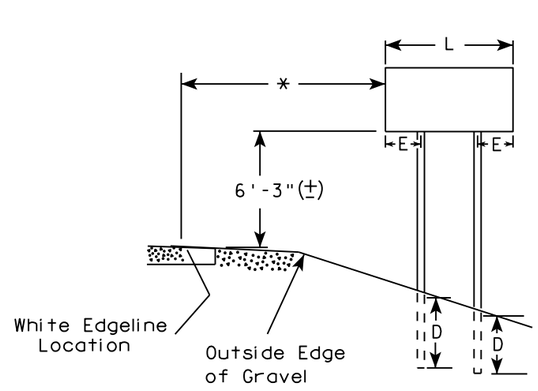
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

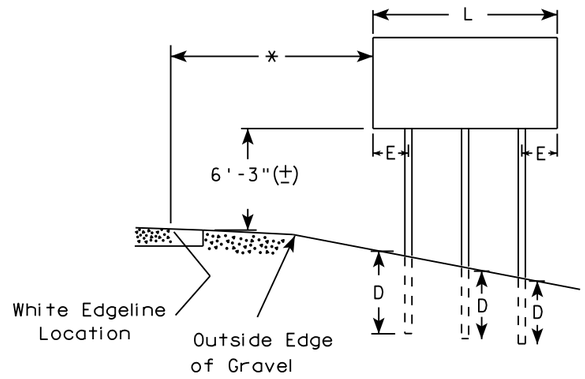
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

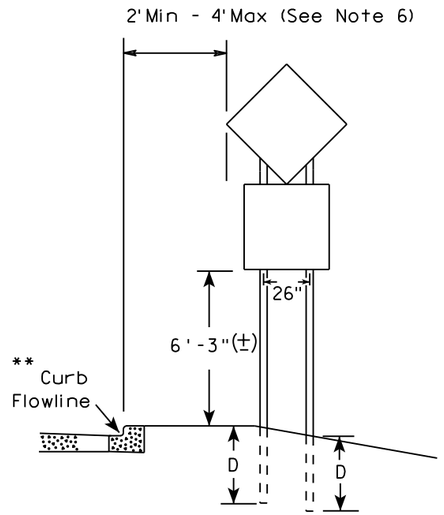
URBAN AREA



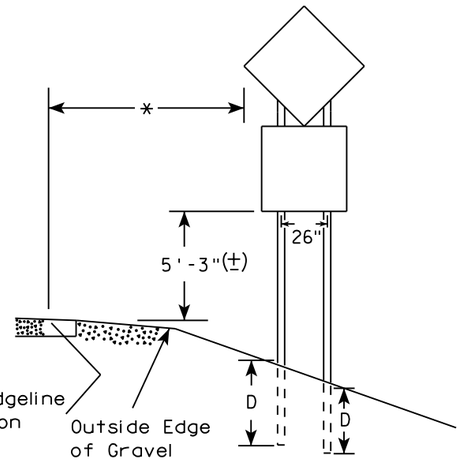
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

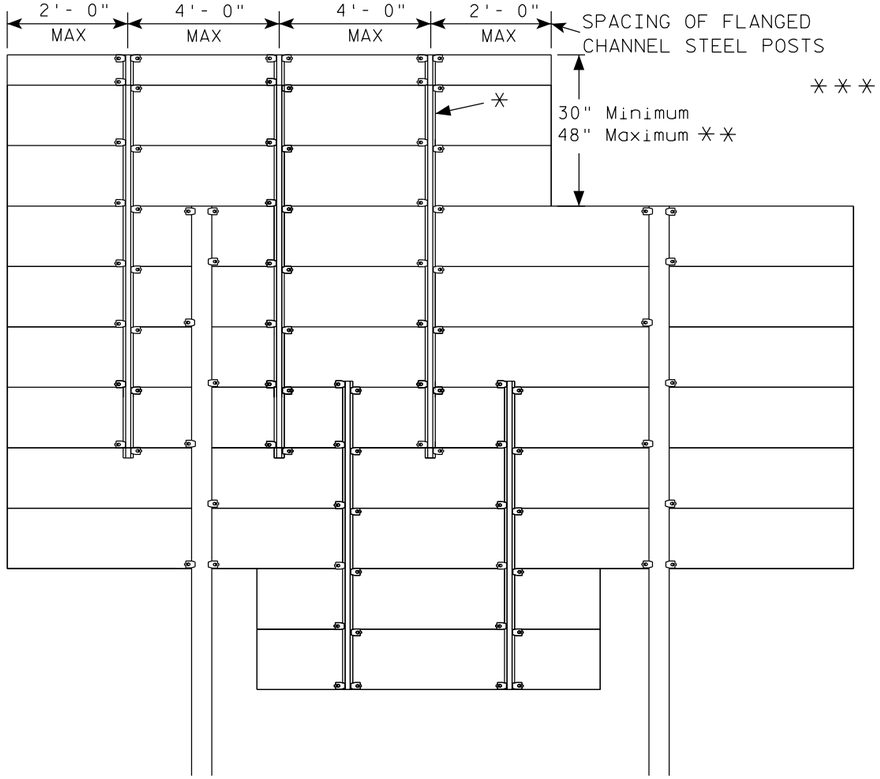
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 735	E

GROUND MOUNTED SIGN



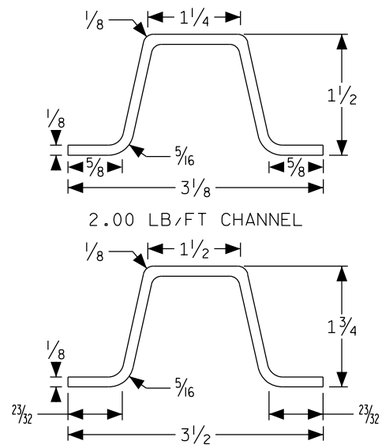
✳=2.00 lb/ft AND 4.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

✳✳=FOR 48" HEIGHT PANELS ON OVERHEAD STRUCTURES, ENTIRE SIGN SHALL BE CENTERED VERTICALLY ABOUT THE DEPTH OF THE TRUSS.

✳✳✳ THESE SPACING DISTANCES SHALL ONLY BE USED WHEN THE MAIN SIGN HAS A MAXIMUM HEIGHT (DIMENSION H) OF 15 FT OR LESS. FOR SIGNS WITH A HEIGHT OF GREATER THAN 15 FT, STRUCTURAL CALCULATIONS SHALL BE PERFORMED.

FLANGE CHANNEL DETAILS

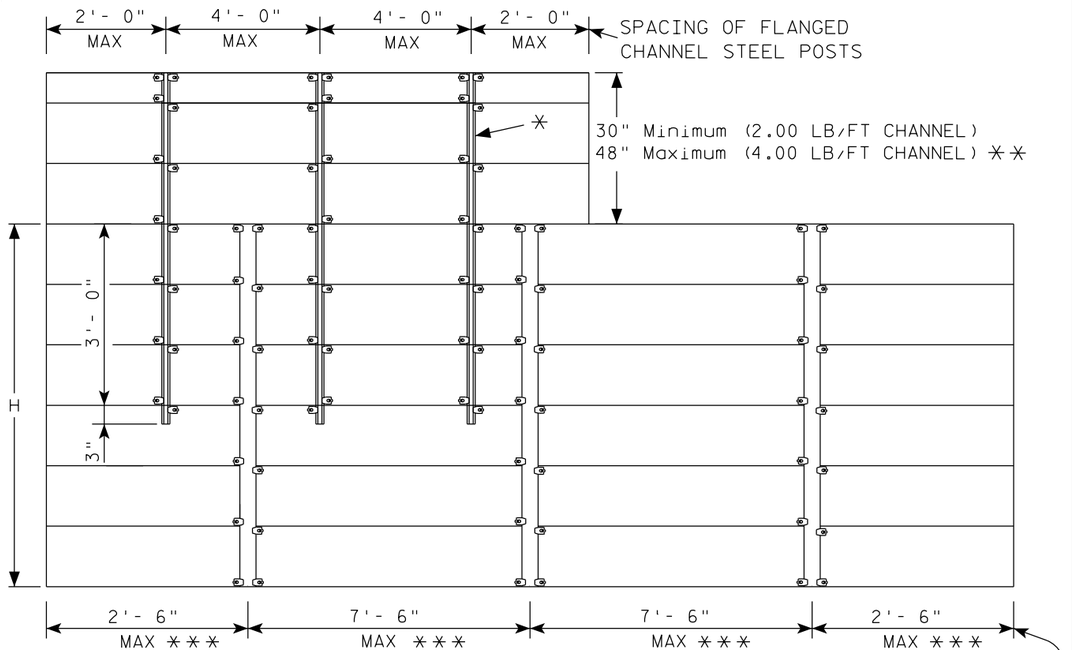
NOT TO SCALE



2.00 LB/FT CHANNEL

4.00 LB/FT CHANNEL

SIGN BRIDGE MOUNTED SIGN



SPACING OF ALUMINUM SIGN SUPPORTS 5" X 3.5" X 3.7 LBS./ft.

GENERAL NOTES

1. Flanged channel steel posts shall conform to size and material above, and shall be considered as incidental to other items in the contract.
2. Number of Flanged channel steel supports varies with length of panel and shall be spaced as shown:

   PANEL LENGTH 8'-0" OR LESS = 2 CHANNELS
   PANEL LENGTH 9'- 0" - 12'- 0" = 3 CHANNELS
   PANEL LENGTH 13'- 0" OR MORE = 4 CHANNELS

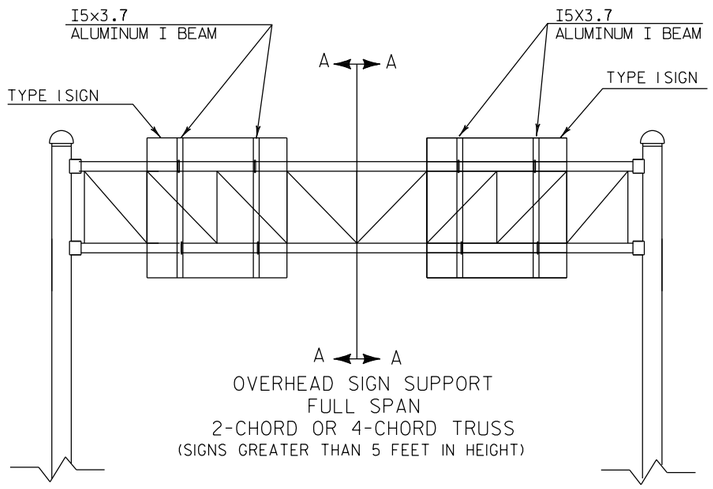
   If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.
3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER PANEL shall be aligned with the left edge of the guide sign.
4. If the bolt holes in the top panel (EXIT NUMBER), or sub panel (NEXT EXIT) line up with holes in main sign panel, stitch bolts shall be used in addition to the channels.
5. Provide post clips for each sign as shown. (Please note the differences between a ground mounted versus Sign bridge mounted sign as far as number of clips required on the main supports or beams)
6. Structural steel sign supports shall extend to the top of the main signs, as shown on the above details.

ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

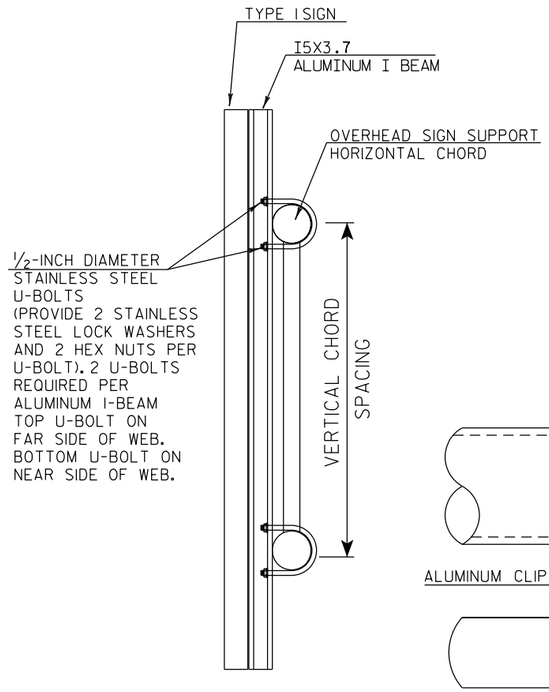
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

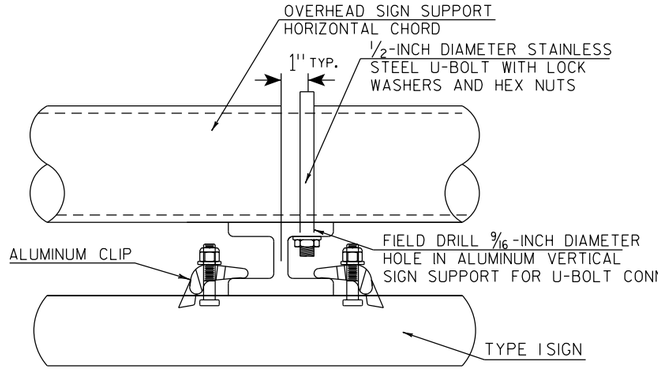
DATE 1/07/20 PLATE NO. A4-6.12



OVERHEAD SIGN SUPPORT
FULL SPAN
2-CHORD OR 4-CHORD TRUSS
(SIGNS GREATER THAN 5 FEET IN HEIGHT)



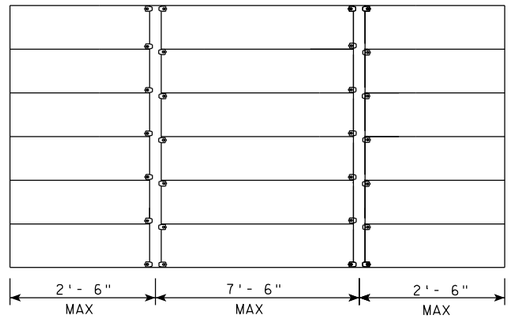
CUT SECTION A-A



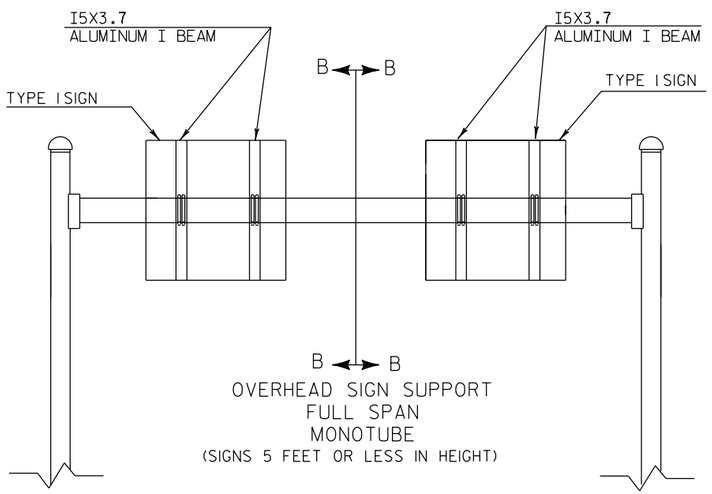
TYPICAL SIGN CONNECTION FOR
2-CHORD OR 4-CHORD TRUSS
PLAN VIEW

GENERAL NOTES

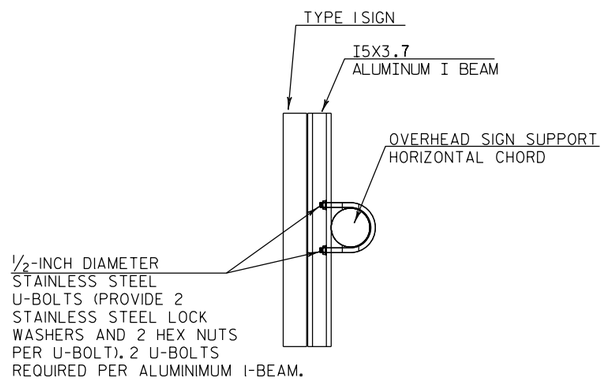
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE CLIPS ON EVERY EXTRUDED PANEL JOINT PER SIGN PLATE A4-6.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. MINIMUM NUMBER OF BRACKETS PER SIGN IS TWO. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
   STAINLESS STEEL U-BOLTS AND LOCKWASHERS ASTM 304.
   STAINLESS STEEL HEX NUTS ASTM A276.
   ALUMINUM I-BEAMS ARE 6061-T6.
9. SLOTTED HOLES IN I-BEAMS ARE NOT ALLOWED



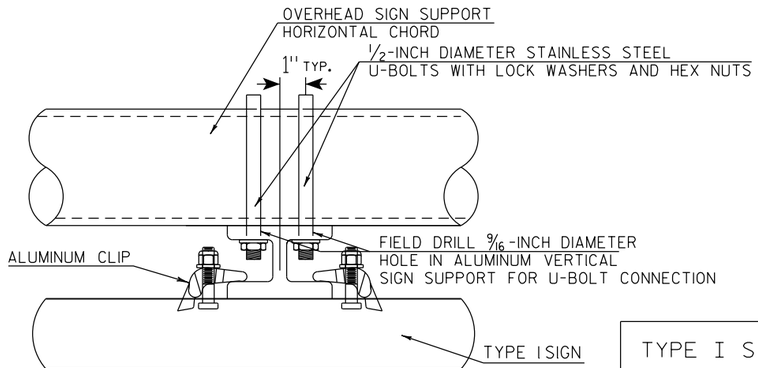
SPACING OF I5X3.7 ALUMINUM
VERTICAL SIGN SUPPORT



OVERHEAD SIGN SUPPORT
FULL SPAN
MONOTUBE
(SIGNS 5 FEET OR LESS IN HEIGHT)



CUT SECTION B-B



TYPICAL SIGN CONNECTION FOR
MONOTUBE
PLAN VIEW

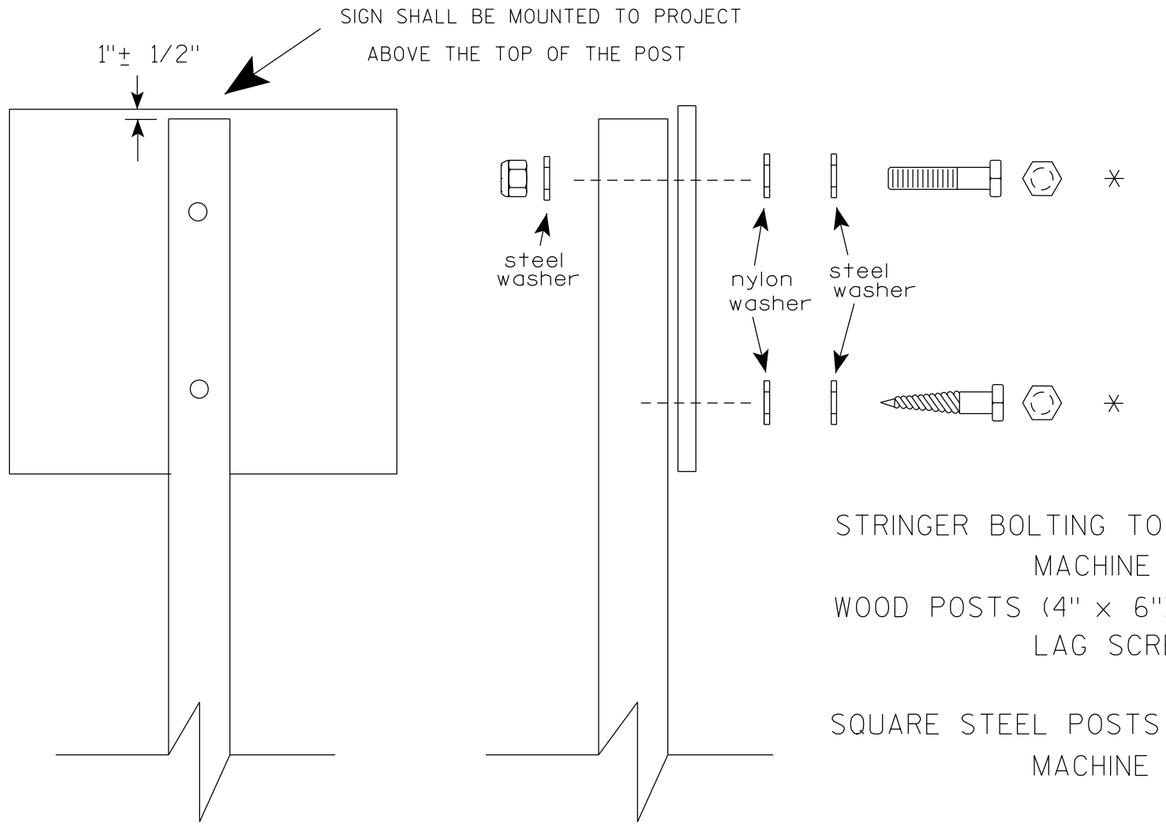
TYPE I SIGN CONNECTION
TO OVERHEAD SIGN SUPPORT

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
State Traffic Engineer

DATE 1/07/20 PLATE NO. A4-7A.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 737	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

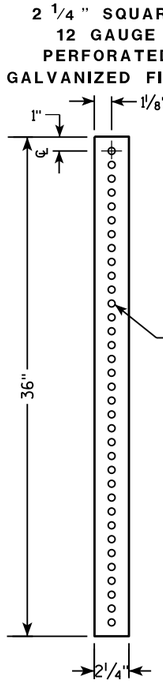
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

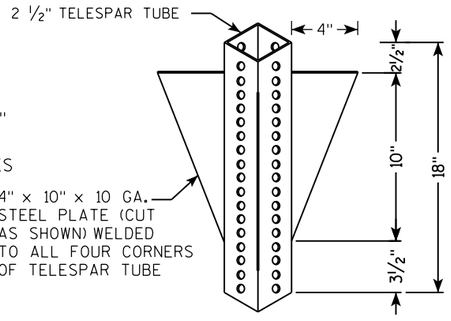
SHEET NO: 738 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

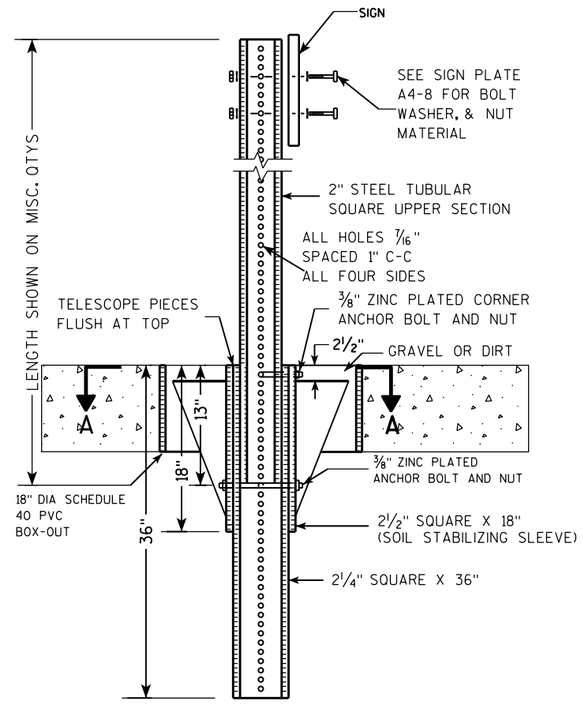
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



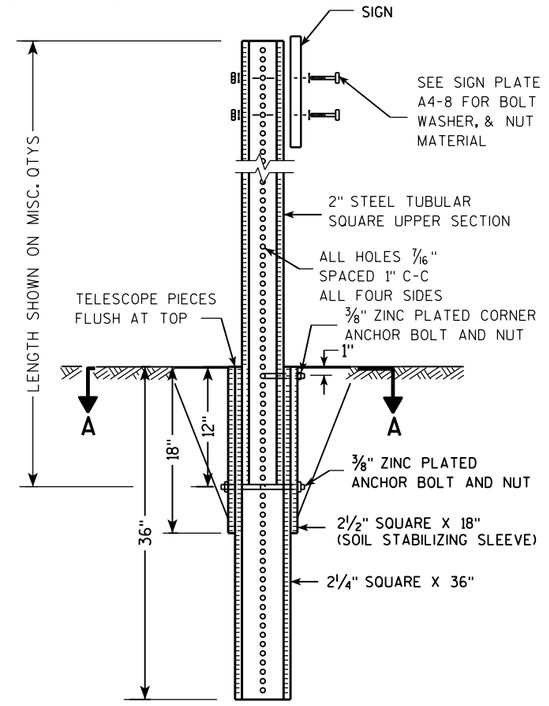
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

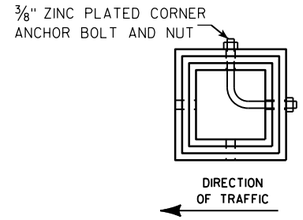


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

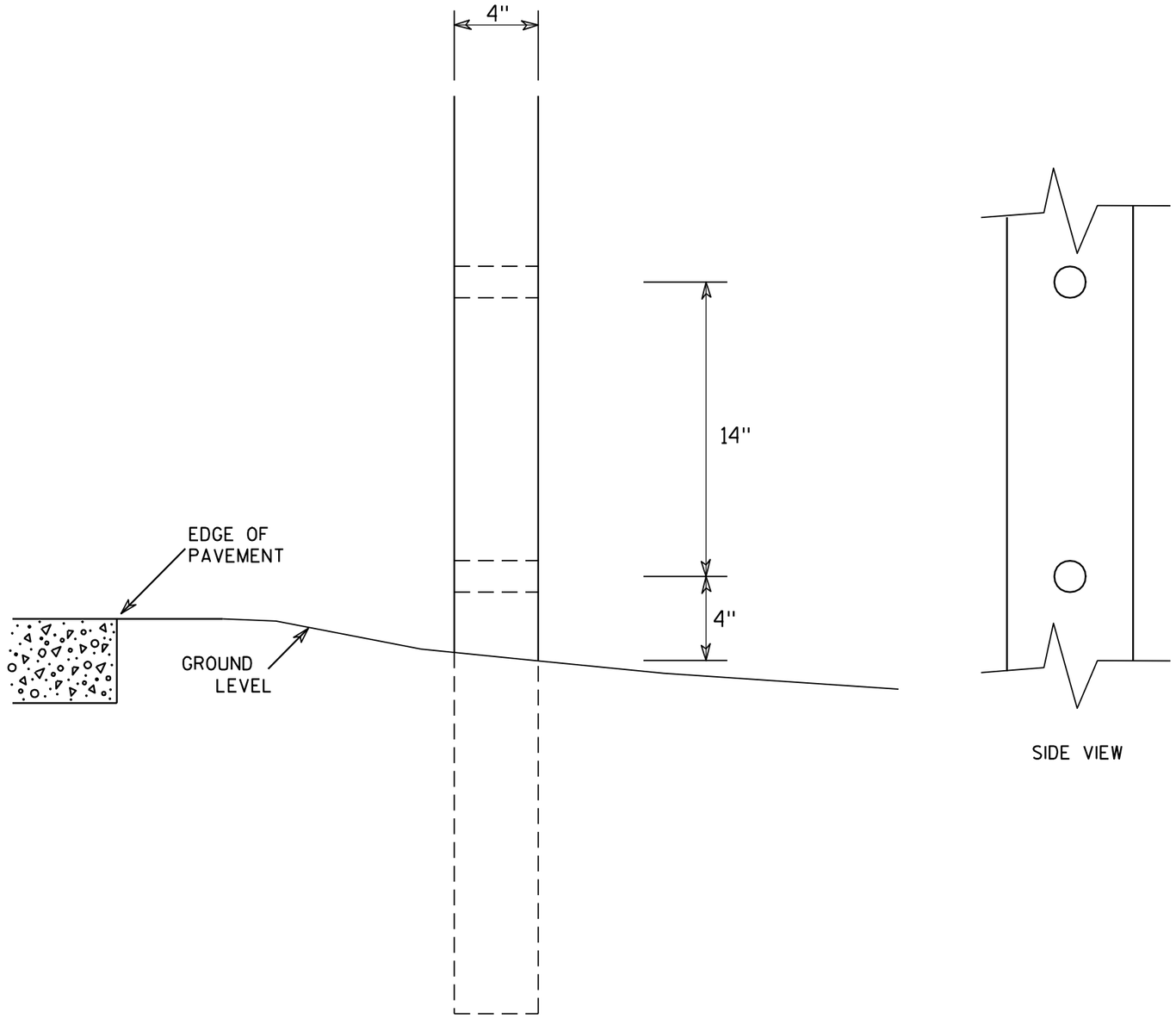
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 739 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

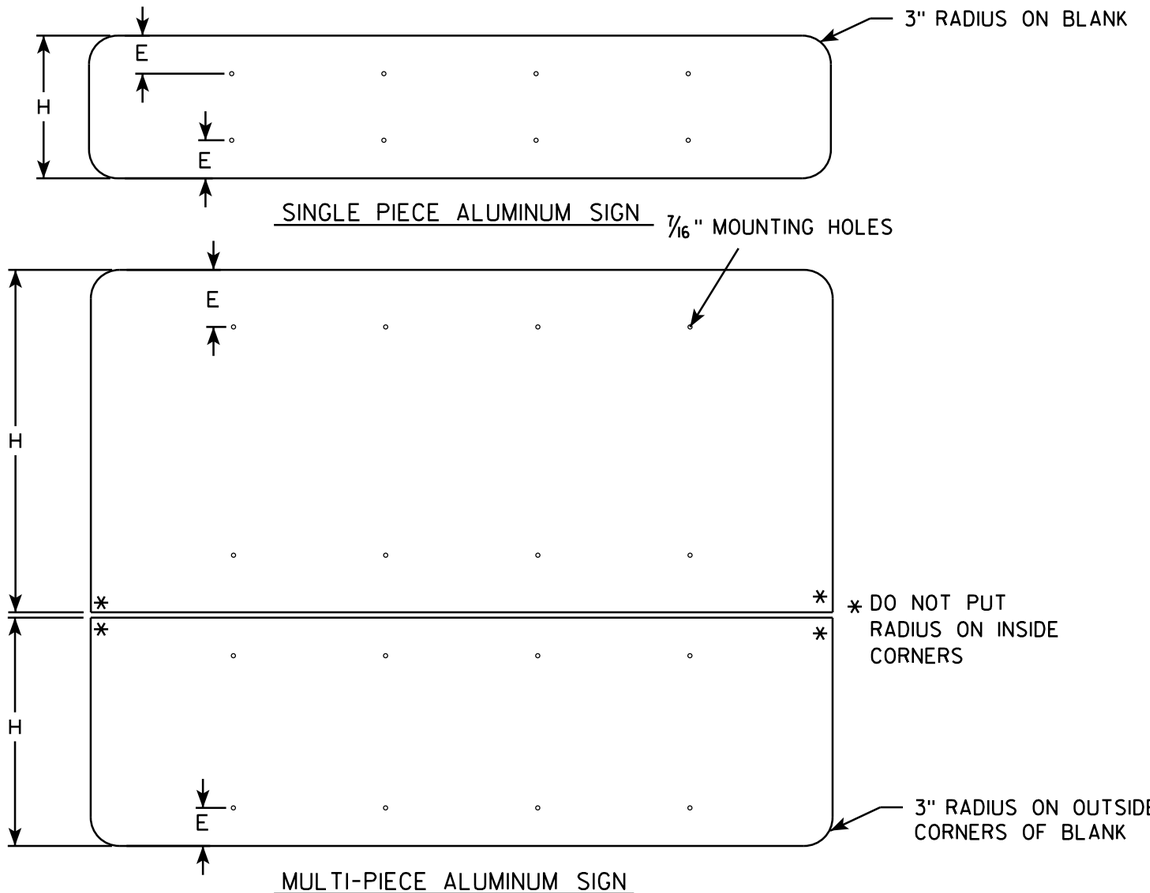
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

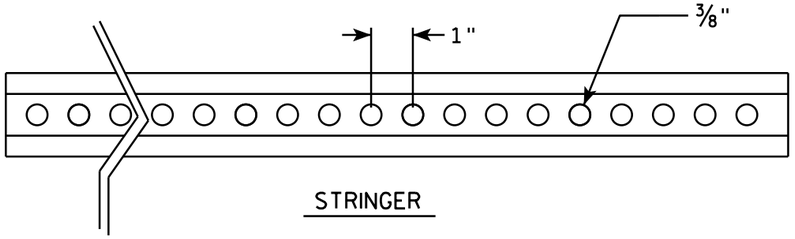
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 740	E



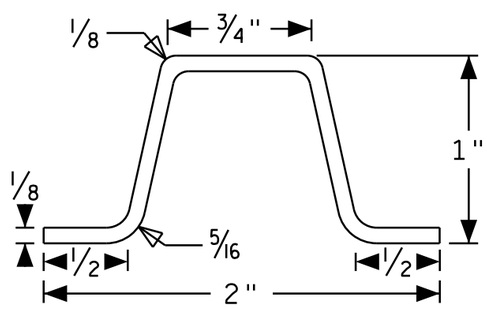
GENERAL NOTES

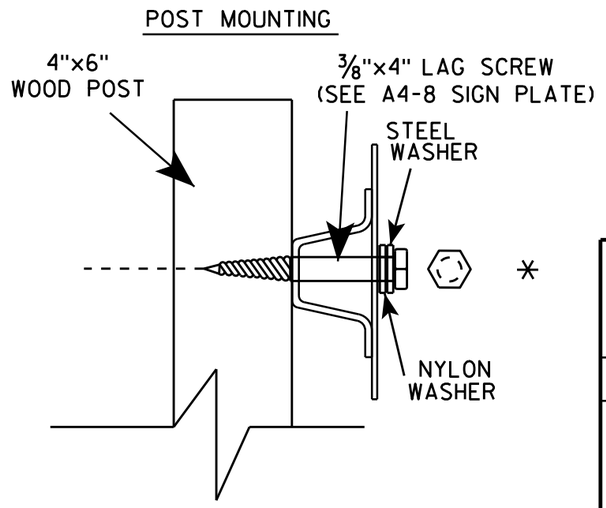
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"



STRINGER





SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

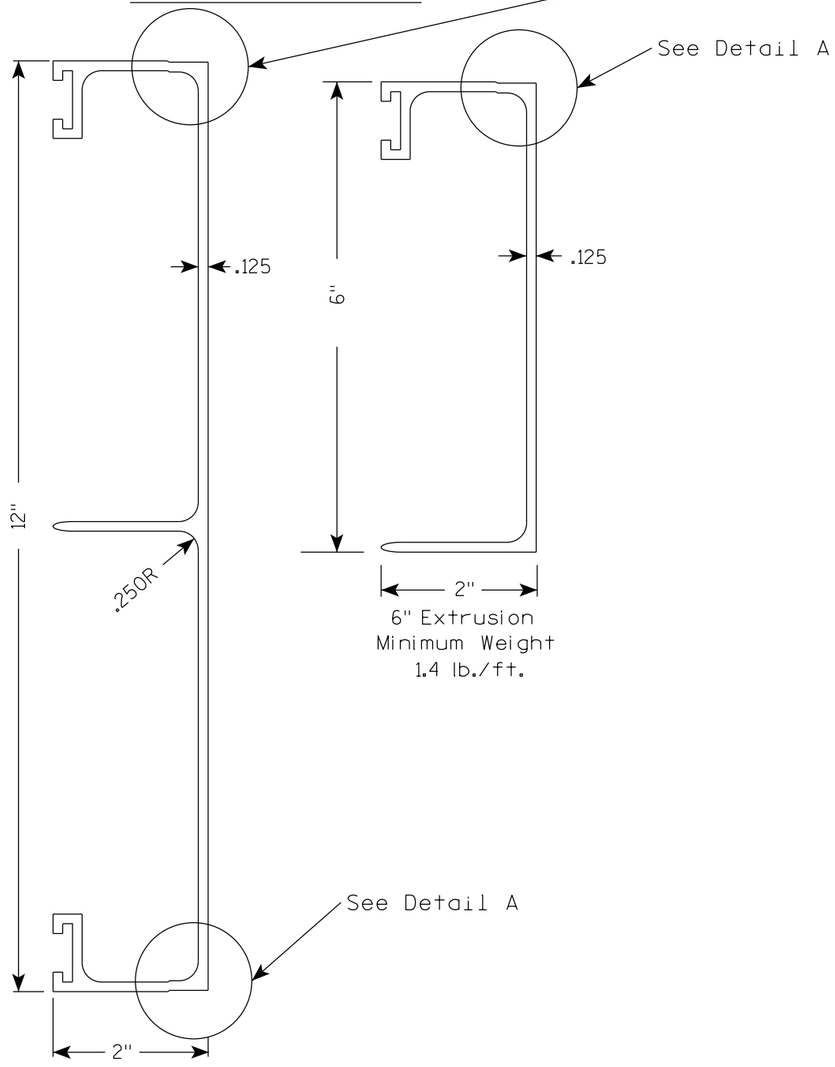
for State Traffic Engineer

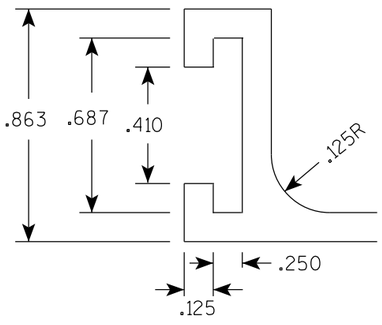
DATE 4/26/16 PLATE NO A4-18.1

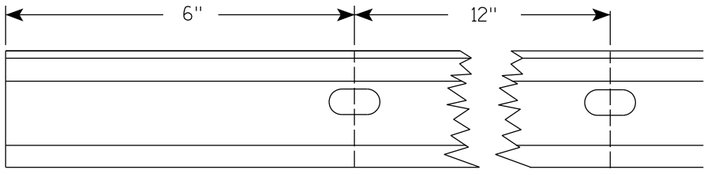
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

Extruded Shape







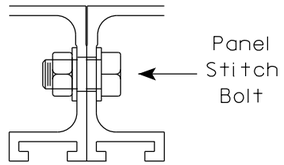
Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

Hardware

STITCH BOLT, WASHER & NUT

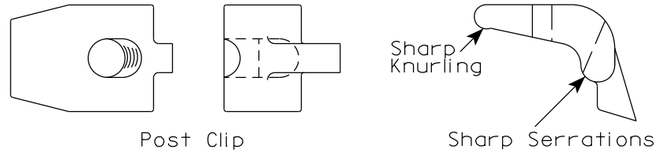
The hardware includes:

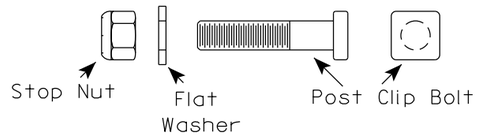
3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy
3/8 " - Stainless steel stop nut
3/8" X .064 Flat Washers, Alclad 2024-T4 alloy



POST CLIP, POST CLIP BOLT, WASHER & NUT

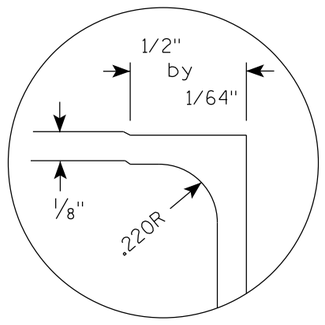
Post Clip shall be Alum. Alloy 356-T6
Post Clip Bolt shall be Stainless Steel.
Flat washer shall be 3/8" X .091, Stainless Steel.
Stop nut shall be stainless steel.





NOTES

1. The contractor may select any brand of extrusion that conforms to the illustrations or meets with the approval of the engineer, but all extrusions used on this contract shall be of the same brand.
2. Panel Stitch Bolts shall be used to assemble adjacent panels. Maximum stitch bolt spacing shall be 24" C-C, and a minimum of 4 bolts shall be used to connect any two extrusions.
3. Post Clips shall be used to attach the sign panel to the sign support.
4. Edge wrapping of sign sheeting required on all extrusions joints shown in Detail A.



DETAIL A (EDGE WRAP JOINT)

ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

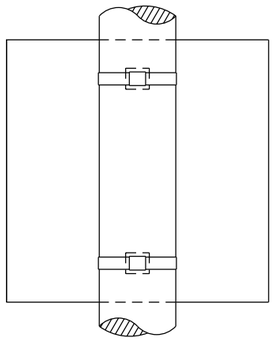
DATE 1/07/20 PLATE NO. A5-2.10

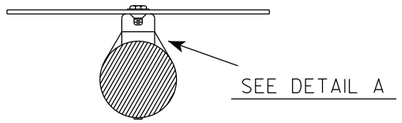
PROJECT NO:

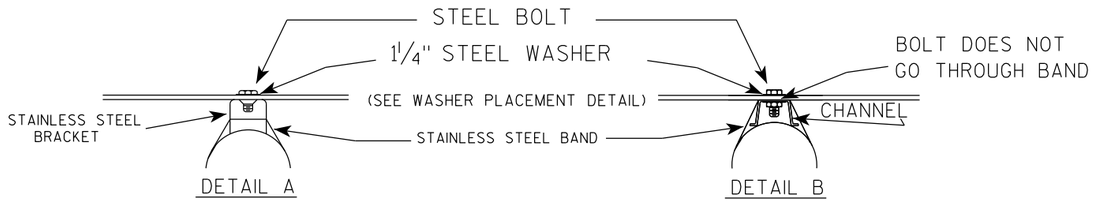
SHEET NO: 742 E

BANDING

SINGLE SIGN



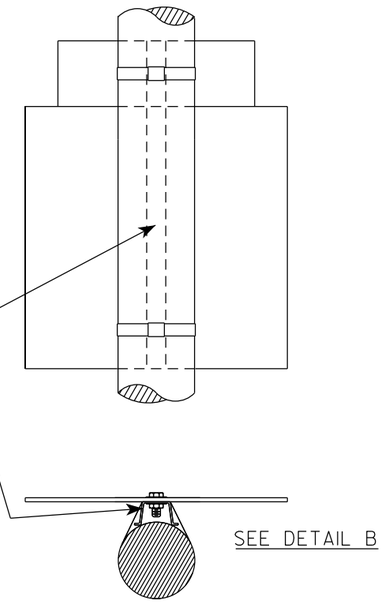




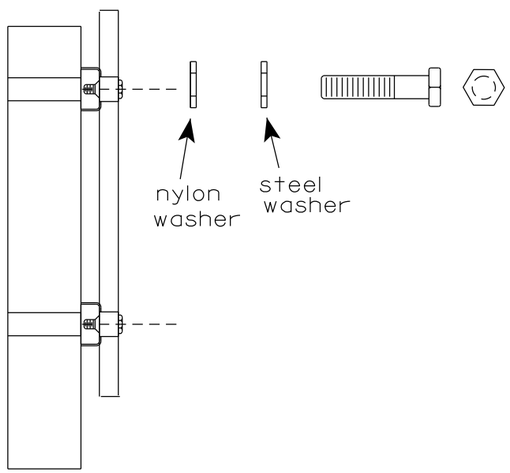
GENERAL NOTES

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

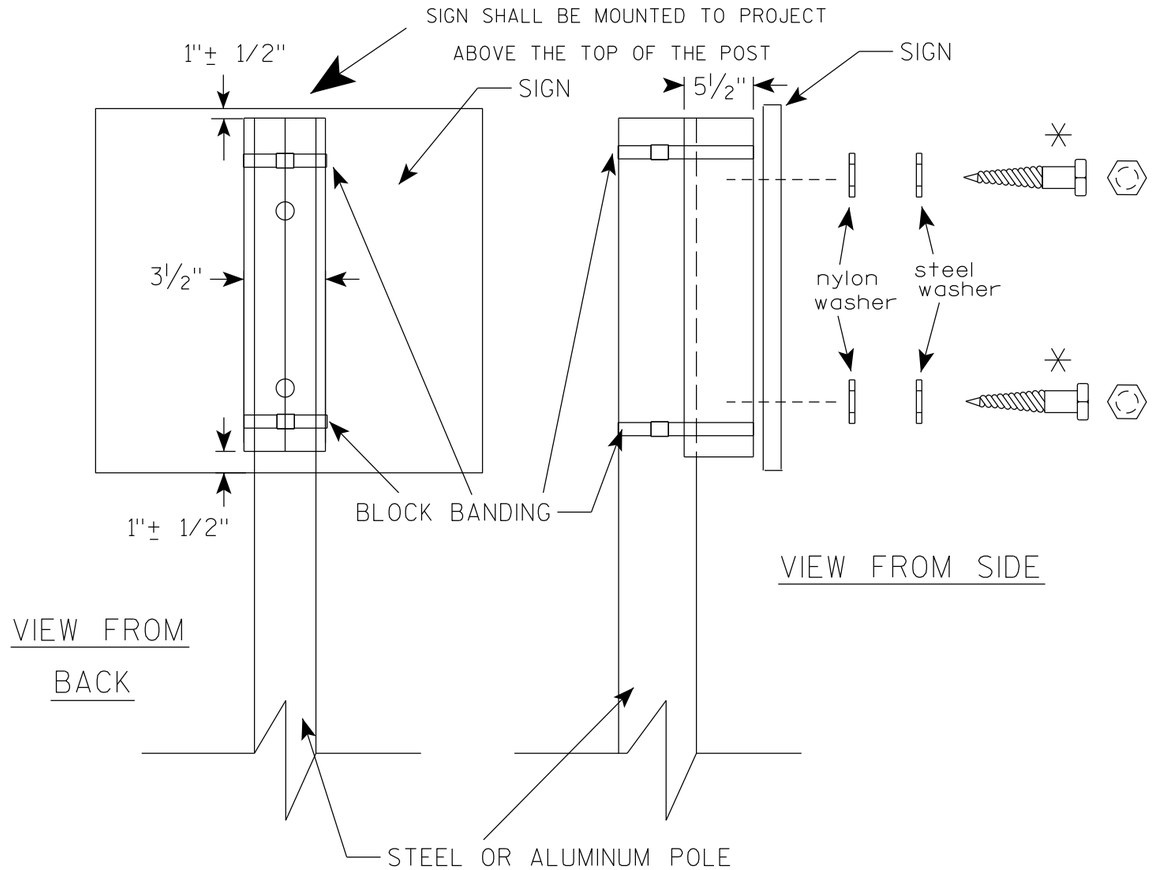
WISCONSIN DEPT OF TRANSPORTATION

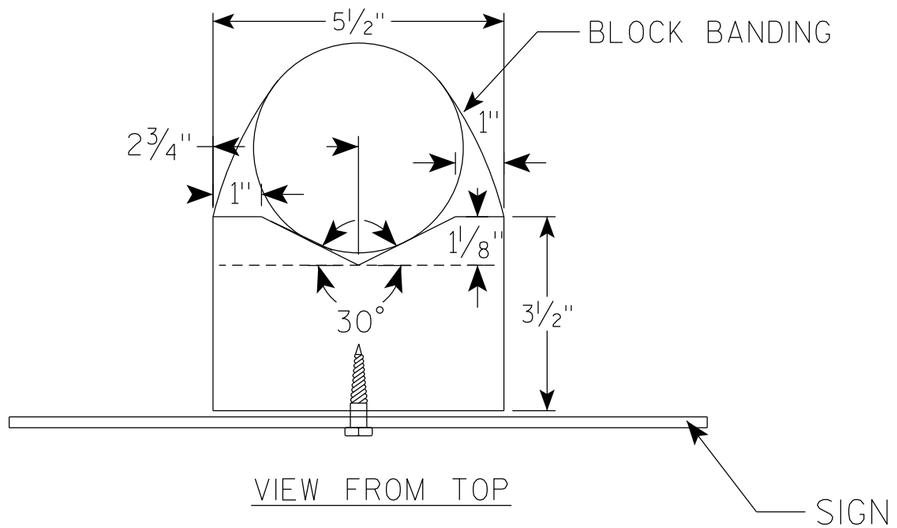
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-9.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 743	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"

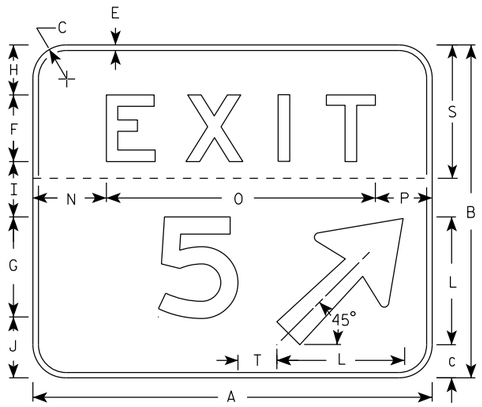
BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

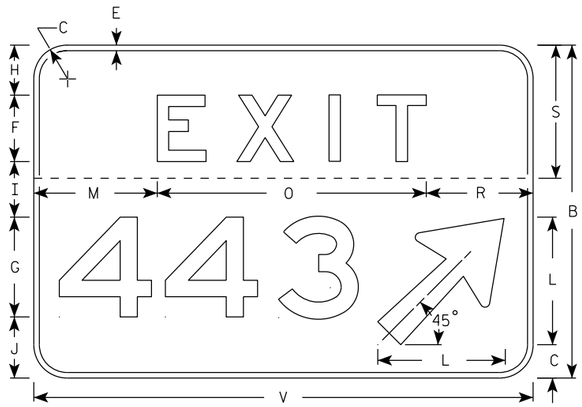
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-10.2

PROJECT NO:				SHEET NO: 744	E

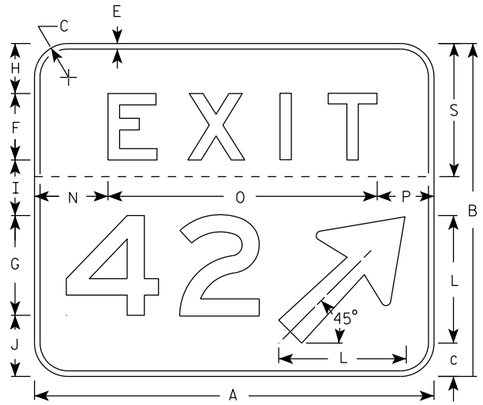


NOTE: T diminision shall be measured from the back of the number to the front of the arrow

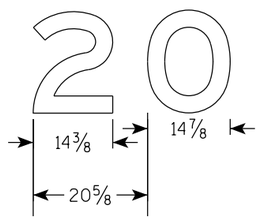


NOTES

1. Sign is Type II - Type H reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E
4. Corners may be square or rounded but the corners shall be rounded when base material is metal.
5. Sign shall be split into two seperate pieces as shown on each detail by the dashed line (_ _ _ _ _ _ _ _ _ _).
6. Arrow is Type "A" from sign plate A1-1.
7. Substitute appropriate message, space per the table and adjust placement on sign to achieve proper balance.
8. As per the Standard Spec's, these signs shall not have a vertical joint.



EXAMPLE FOR USING SPACING CHART



SPACING CHART FOR 18" NUMERALS

NUMBERS	WIDTH	0	1	2	3	4	5	6	7	8	9	A	B	C
0	14 7/8	21 5/8	21 5/8	21 1/4	20 3/8	21 1/4	21 1/4	21 5/8	19 7/8	22 1/8	21 5/8			
1	5 7/8	14	14	14	13 1/8	12 1/8	14	14	12 1/4	14	14			
2	14 3/8	20 5/8	21 1/8	20 5/8	19 3/4	20 1/4	20 5/8	20 5/8	18 7/8	21 1/8	20 5/8			
3	14 3/8	20 3/4	21 1/8	20 3/4	20 1/4	19 3/4	20 3/4	20 3/4	19 3/8	21 1/8	20 3/4			
4	16 5/8	22 7/8	22	22 1/2	21 5/8	21 5/8	22 7/8	22 7/8	20 5/8	23 3/8	22 7/8			
5	14 1/4	20 5/8	20 5/8	20 1/8	18 3/4	18 3/4	20 5/8	20 5/8	18 3/8	20 5/8	20 5/8			
6	14 1/2	21 1/4	20 3/4	20 3/4	19 7/8	19 1/2	20 3/8	20 3/4	19	20 3/4	20 3/8			
7	14 3/8	19 3/4	19 3/4	20 1/4	19 3/4	17	19 3/4	20 5/8	18 7/8	20 5/8	19 3/4			
8	14 1/4	21 1/2	21 1/2	20 5/8	19 1/4	19 3/4	20 5/8	21 1/2	19 5/8	21 1/2	20 5/8			
9	14 1/2	21 1/4	21 1/4	20 7/8	20	20 7/8	20 7/8	21 1/4	19 1/2	21 3/4	21 1/4			
A	18	19 3/4	19 3/4	20 1/4	19 3/4	17	19 3/4	20 5/8	18 7/8	20 5/8	19 3/4	21 5/8	23 7/8	23
B	14 1/4	21 1/2	21 1/2	20 5/8	19 1/4	19 3/4	20 5/8	21 1/2	19 5/8	21 1/2	20 5/8	19 1/2	22 3/8	21 1/2
C	14 1/4	21 1/4	21 1/4	20 7/8	20	20 7/8	20 7/8	21 1/4	19 1/2	21 3/4	21 1/4	18 3/8	21	19 3/4

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
2																										
3																										
4																										
5	72	60	6		1	12	18	9	10	11	8 7/8	23	22 1/4	13 1/4	48 1/2	10 1/4		19 1/4	24	7		90		96	7 1/2	

1-2 Digit Bid Area	3 Digit Bid Area
Sq. Ft.	
30	37.5

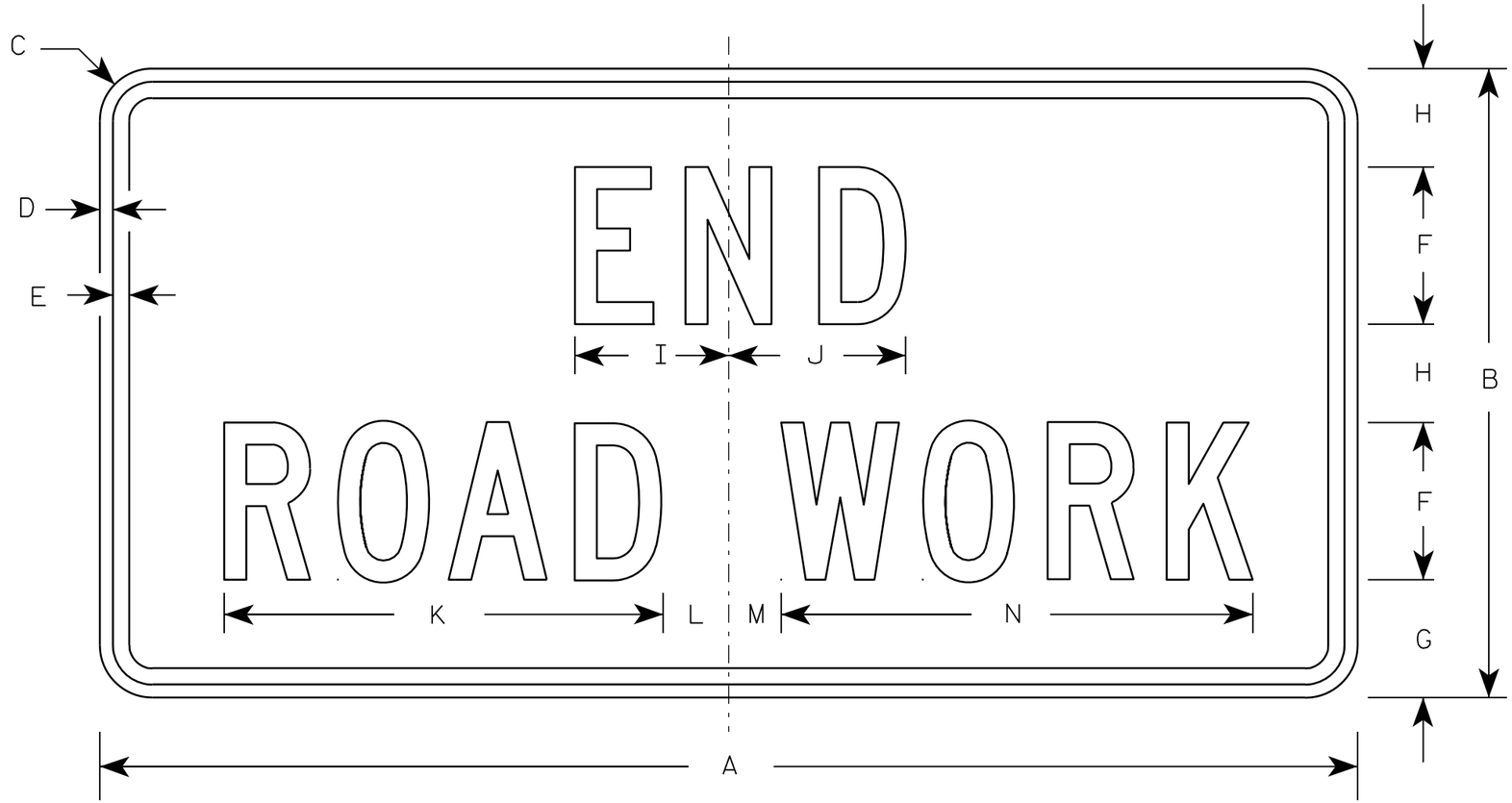
STANDARD SIGN
E5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. E5-1A.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 745	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

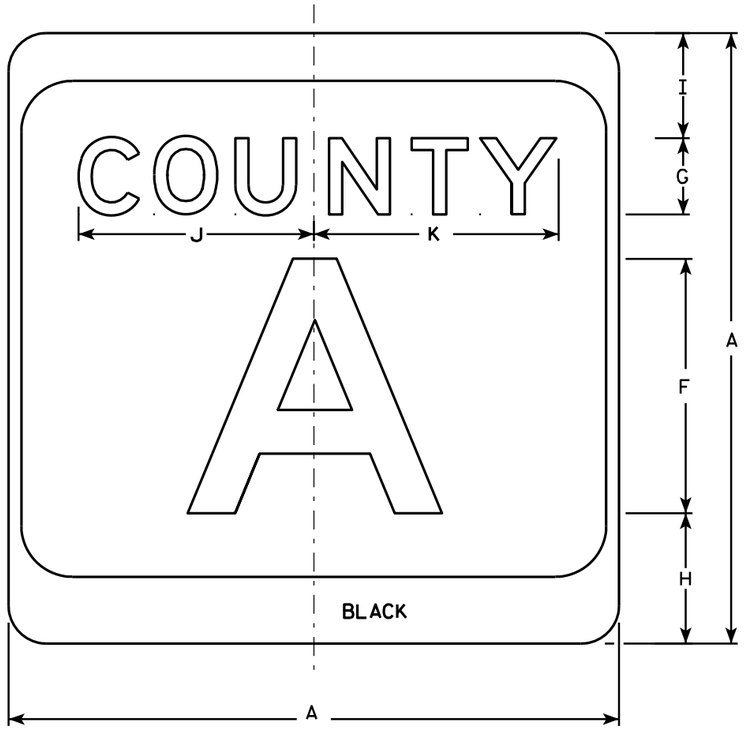
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

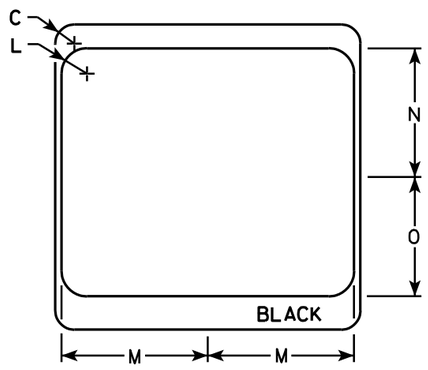
APPROVED Matthew R Rauch
for State Traffic Engineer

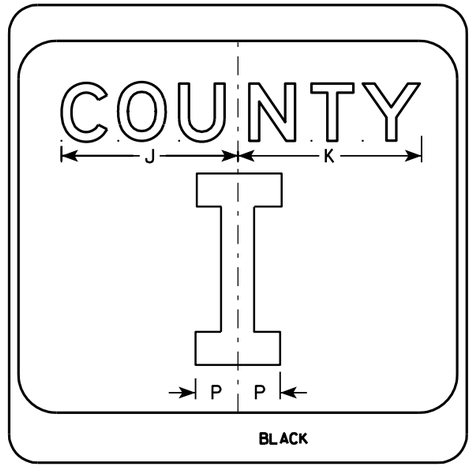
DATE 9/30/09 PLATE NO. G20-2A.8

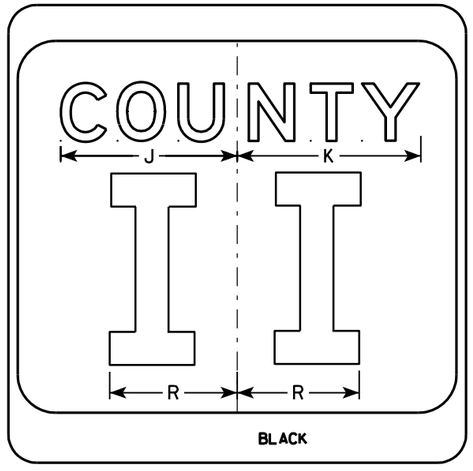
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 746	E



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

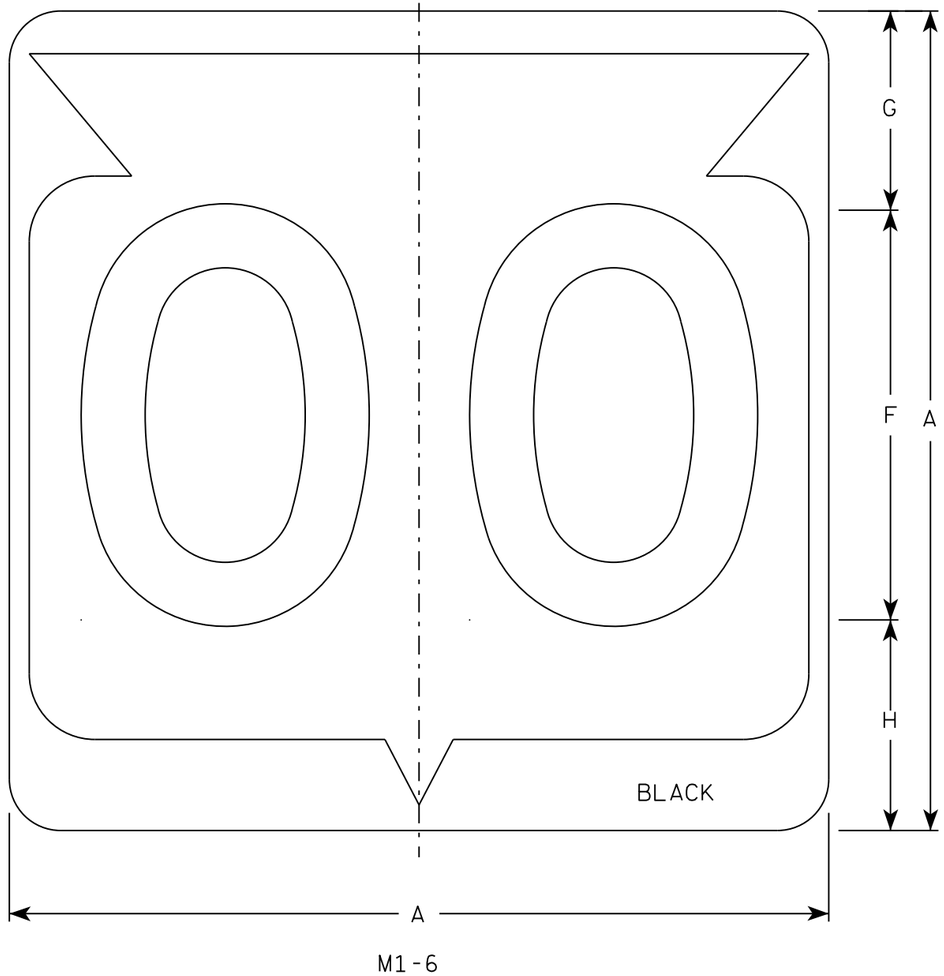
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

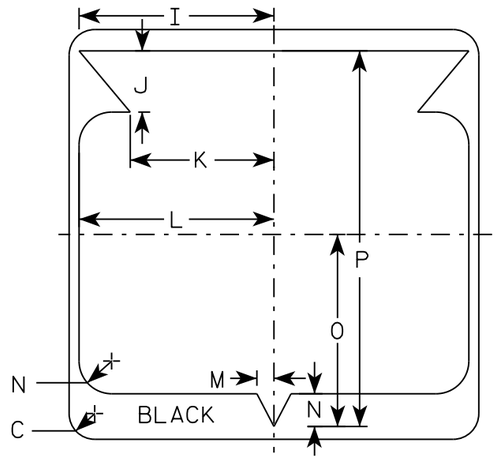
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 747	E



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

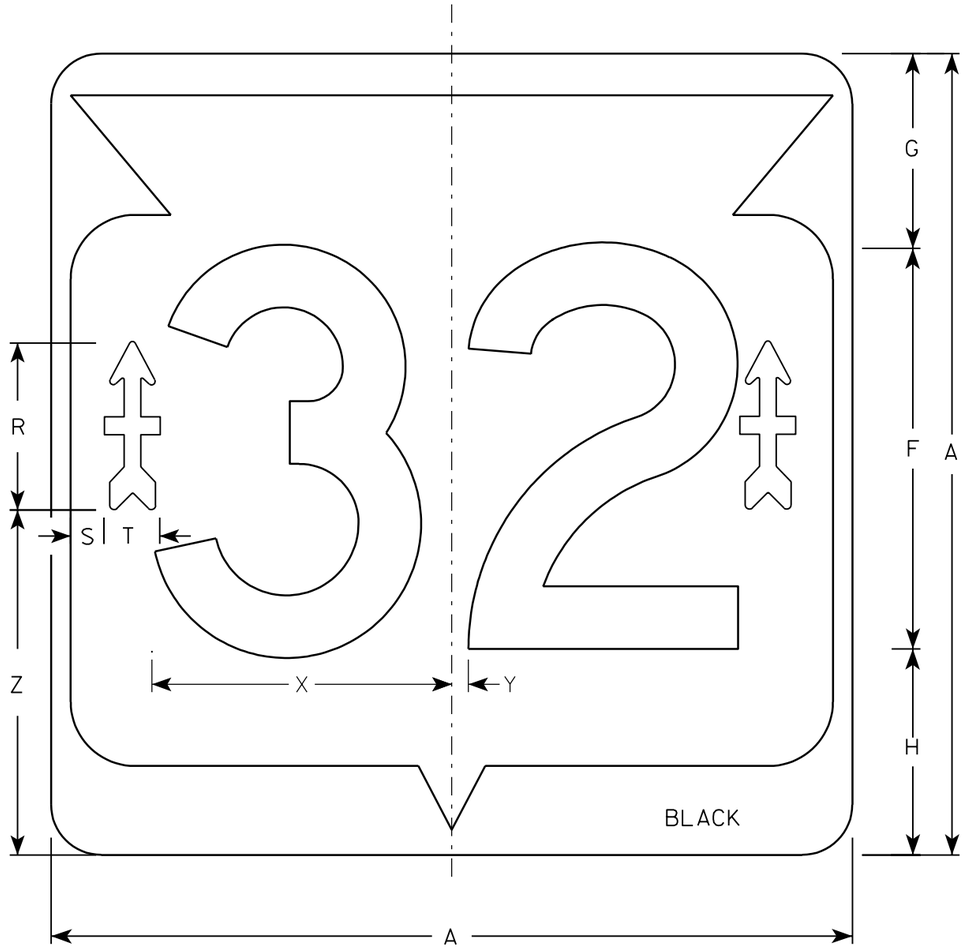
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

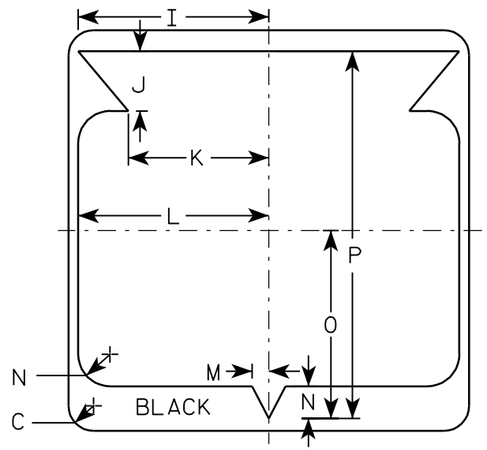
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 748	E



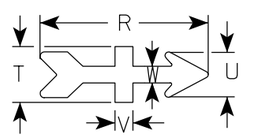
M1-6B

NOTES

1. Sign is Type II - Type H - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black
   Message - Black
   Arrow - Type H Reflective Red
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.



32nd DIVISION ARROW
ACTUAL SIZE



Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 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																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8		5 1/8	3/4	1 7/8	1 1/2	5/8	5/8	9	1/2	10 1/2	4.0	.36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33		7 1/2	1 1/2	2 1/2	2	7/8	3/4	13 1/2	3/4	15 1/2	9.0	.81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33		7 1/2	1 1/2	2 1/2	2	7/8	3/4	13 1/2	3/4	15 1/2	9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33		7 1/2	1 1/2	2 1/2	2	7/8	3/4	13 1/2	3/4	15 1/2	9.0	.81

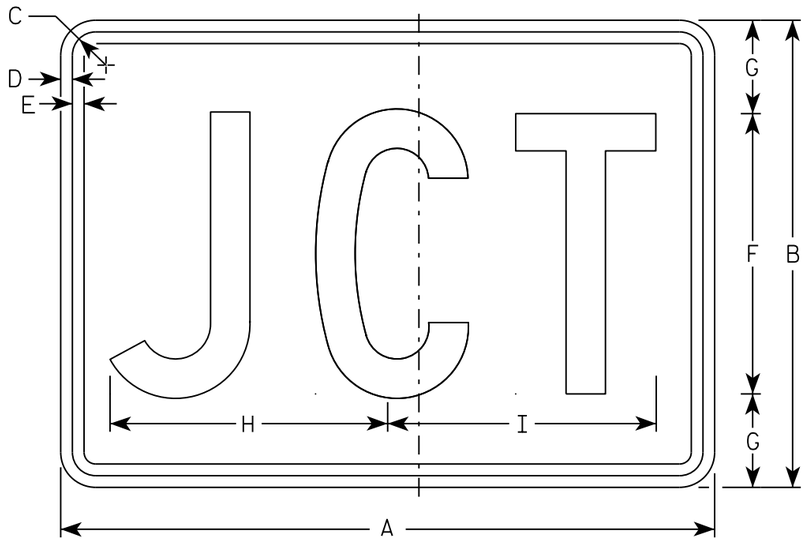
STATE ROUTE MARKER "32"
M1-6B FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

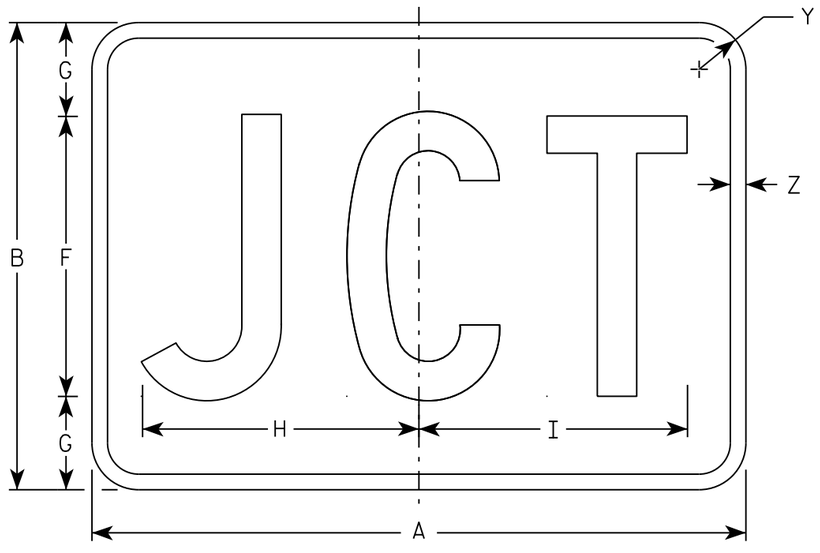
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 12/5/05 PLATE NO. M1-6B.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 749	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

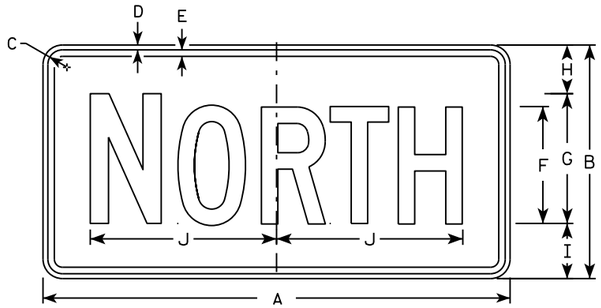
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

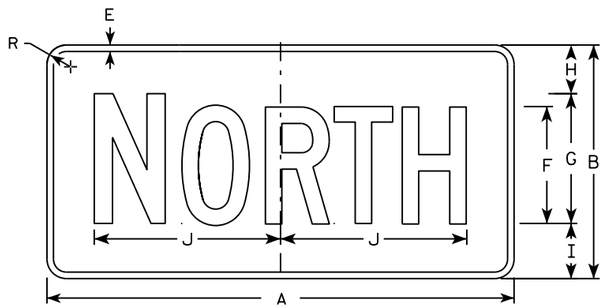
DATE 10/15/15 PLATE 750 12-1.12

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



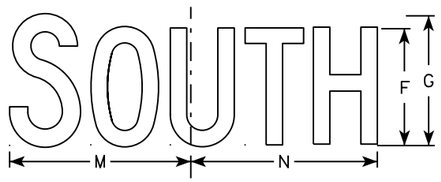
MB3-1
MK3-1
MN3-1



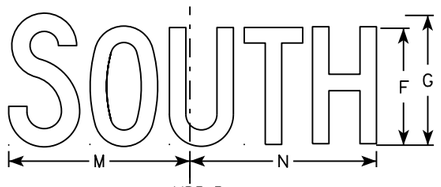
M3-2
MM3-2
MP3-2



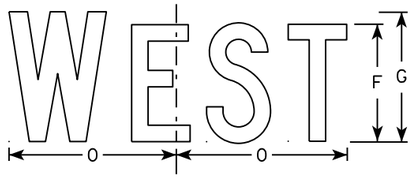
MB3-2
MK3-2
MN3-2



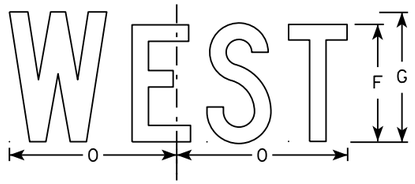
M3-3
MM3-3
MP3-3



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

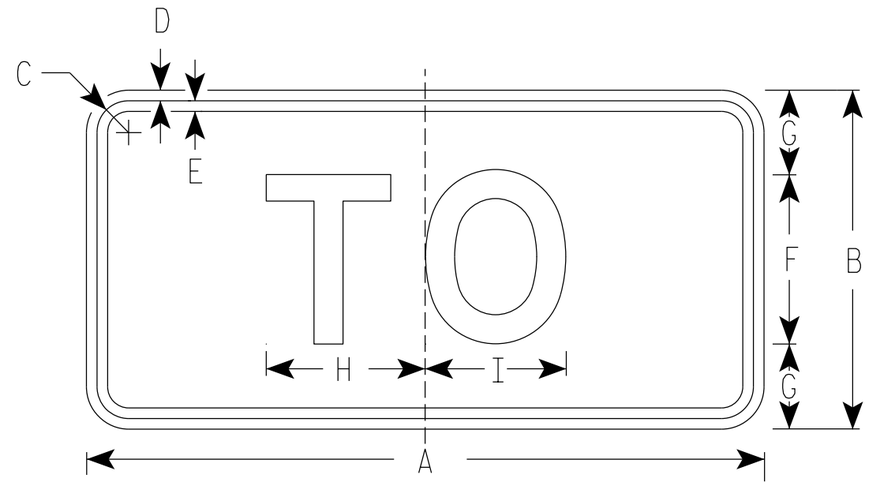
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

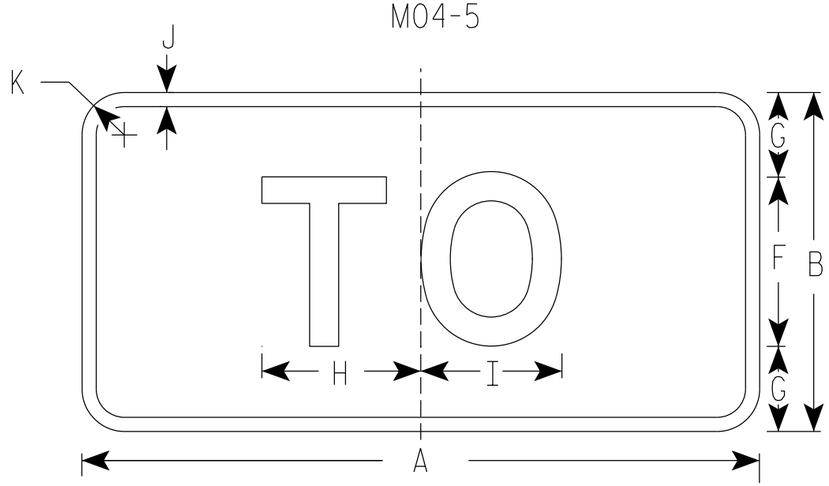
DATE 10/15/15 PLATE NO M3-1.14

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



M4-5
MM4-5
MP4-5
MO4-5



MB4-5
MK4-5
MN4-5

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-5 Background - White
   Message - Black

   MB4-5 Background - Blue
   Message - White

   MK4-5 Background - Green
   Message - White

   MM4-5 Background - White
   Message - Green

   MN4-5 Background - Brown
   Message - White

   MP4-5 Background - White
   Message - Blue

   MO4-5 Background - Orange Type F Reflective
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	5 3/8	5 1/4	1/2	1 1/2																2.00
3	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
4	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
5	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5

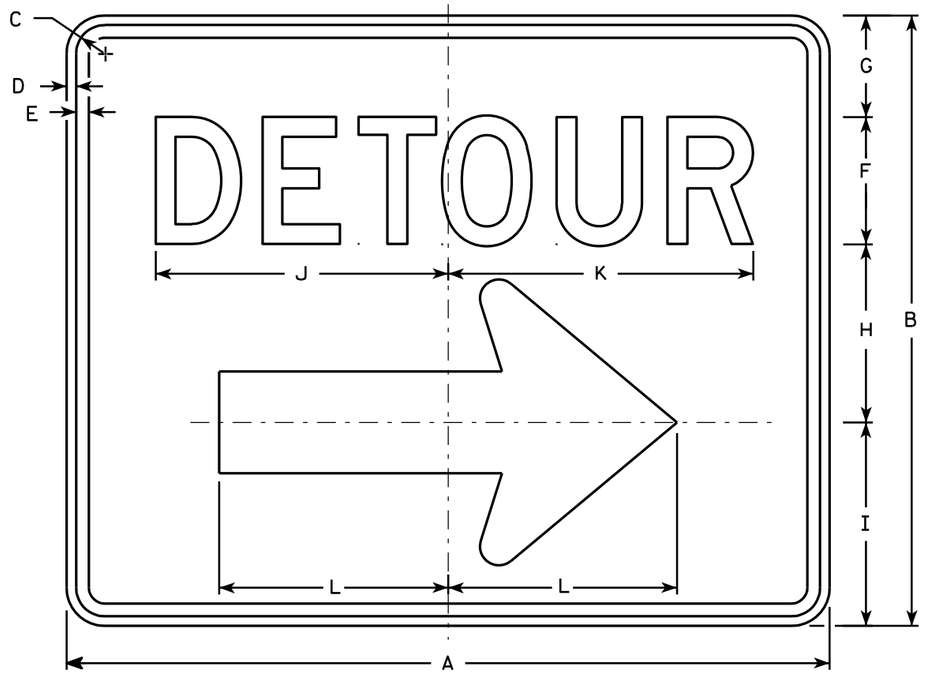
STANDARD SIGN
M4-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/7/19 PLATE NO. M4-5.9

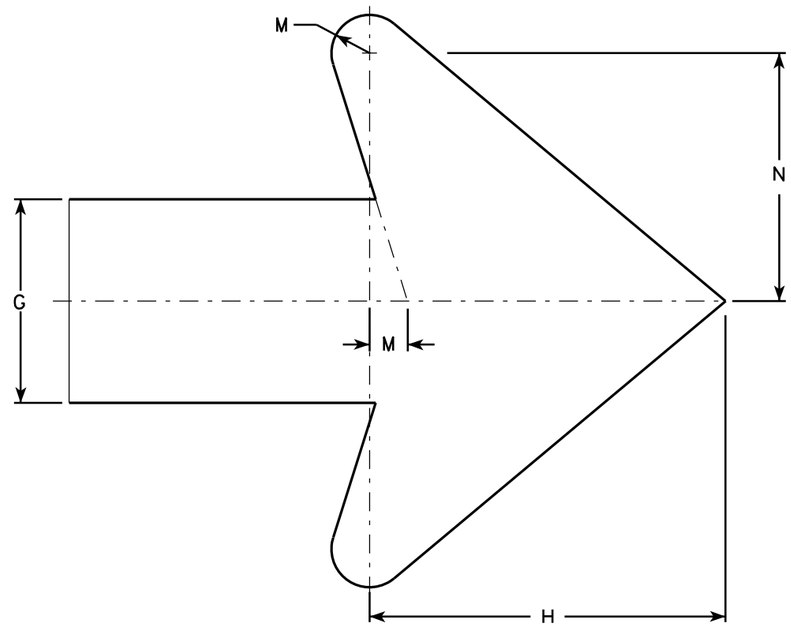
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 752 | E



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

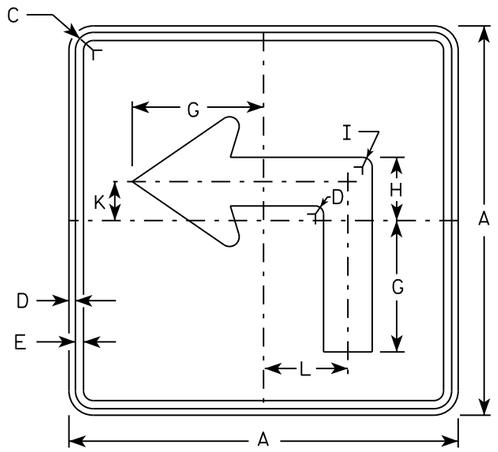
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

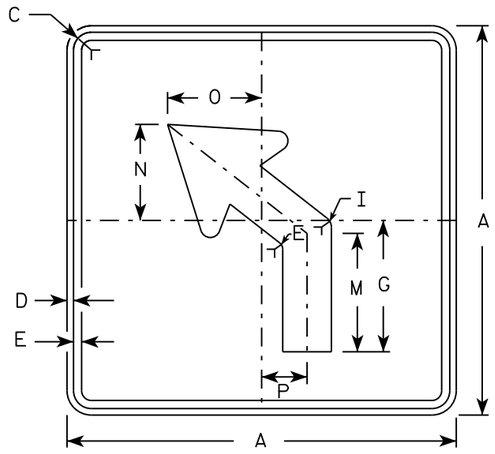
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

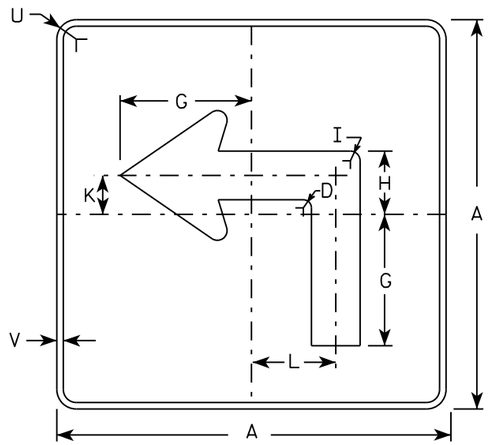
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 753 | E



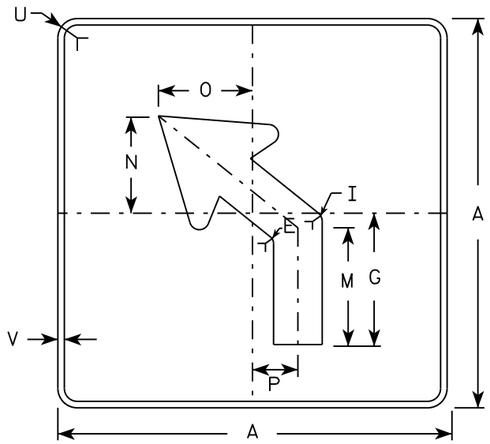
M5-1L
MM5-1L
MO5-1L
MP5-1L



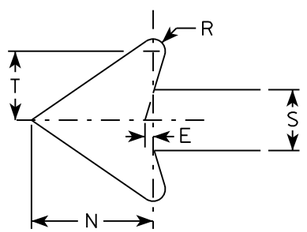
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

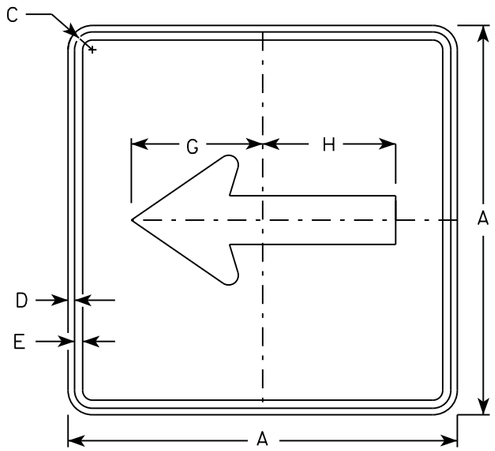
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE NO. M5-1.13

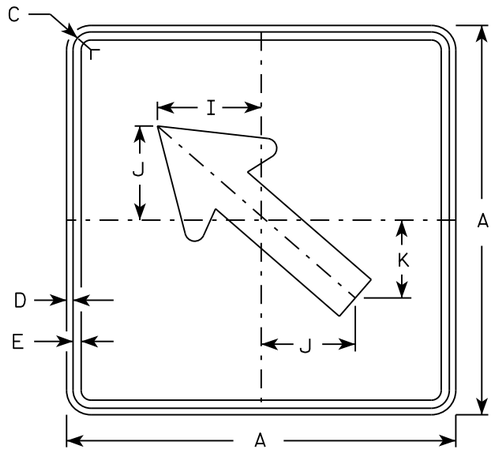
754

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



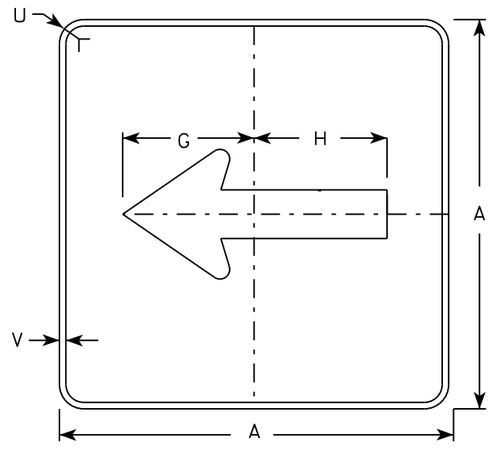
M6-1
MM6-1
MO6-1
MP6-1



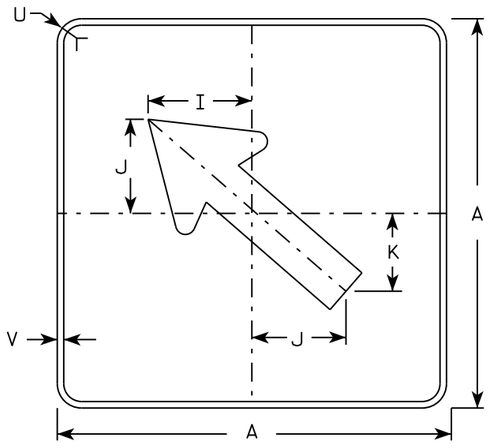
M6-2
MM6-2
MO6-2
MP6-2

NOTES

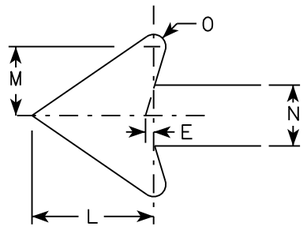
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - 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

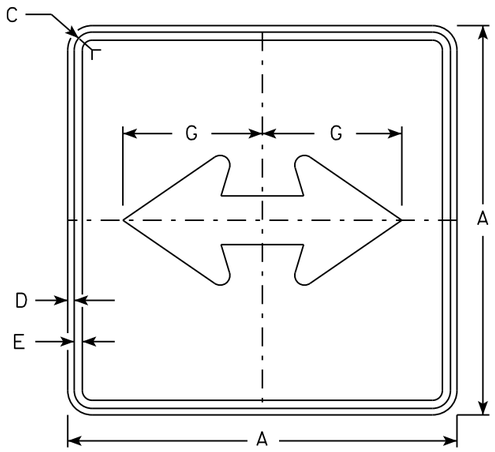
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

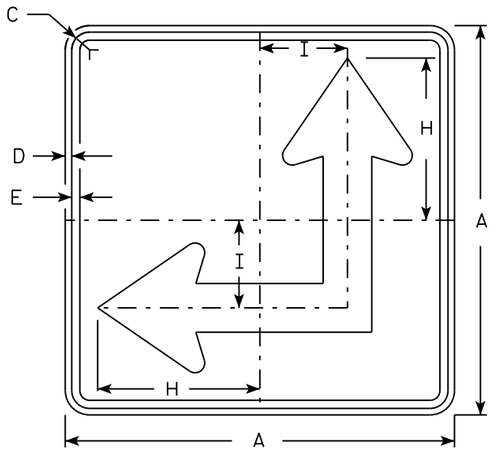
DATE 10/15/15 PLATE 755 M6-1.15

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



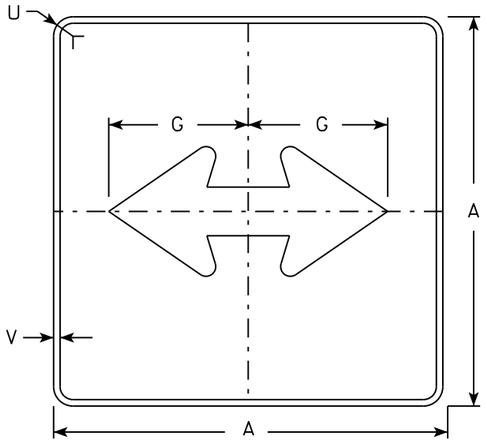
M6-4
MM6-4
MO6-4
MP6-4



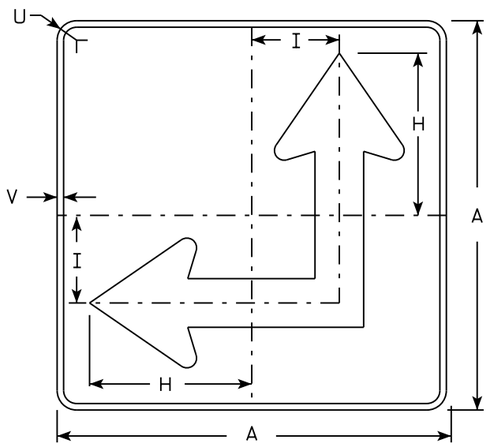
M6-6
MM6-6
MO6-6
MP6-6

NOTES

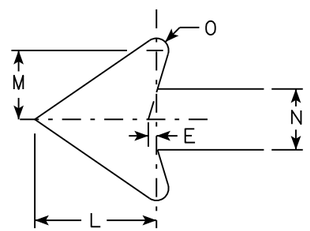
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - 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

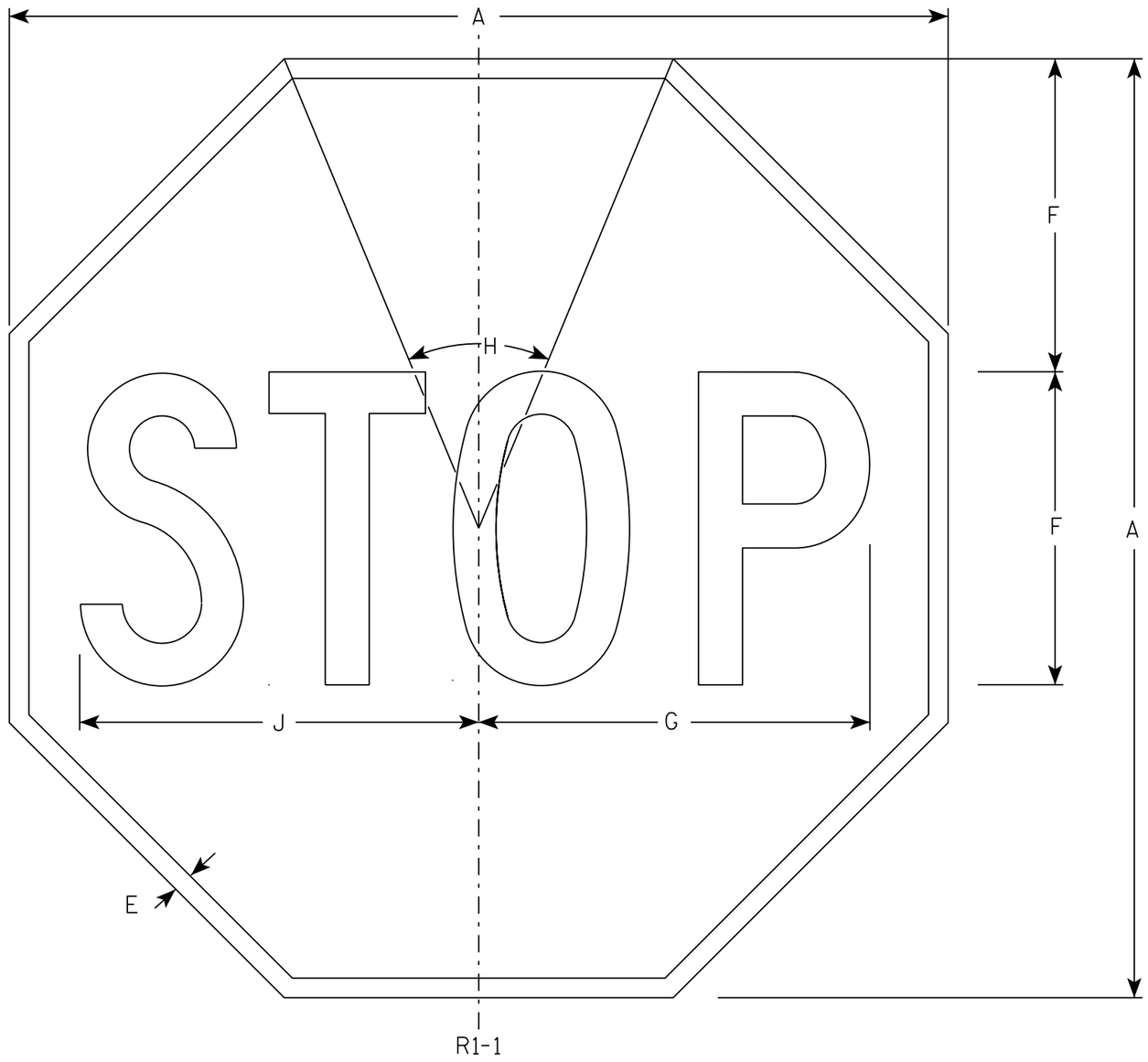
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 756 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

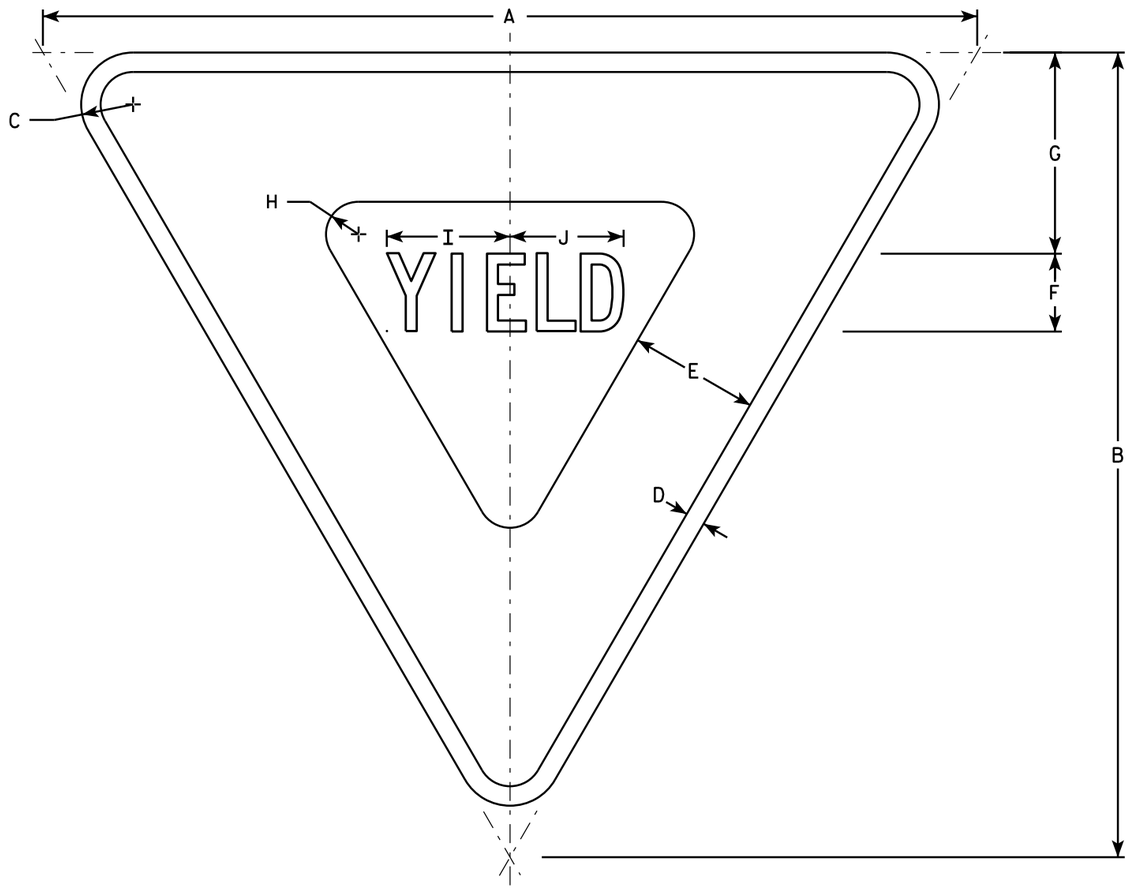
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 757	E



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

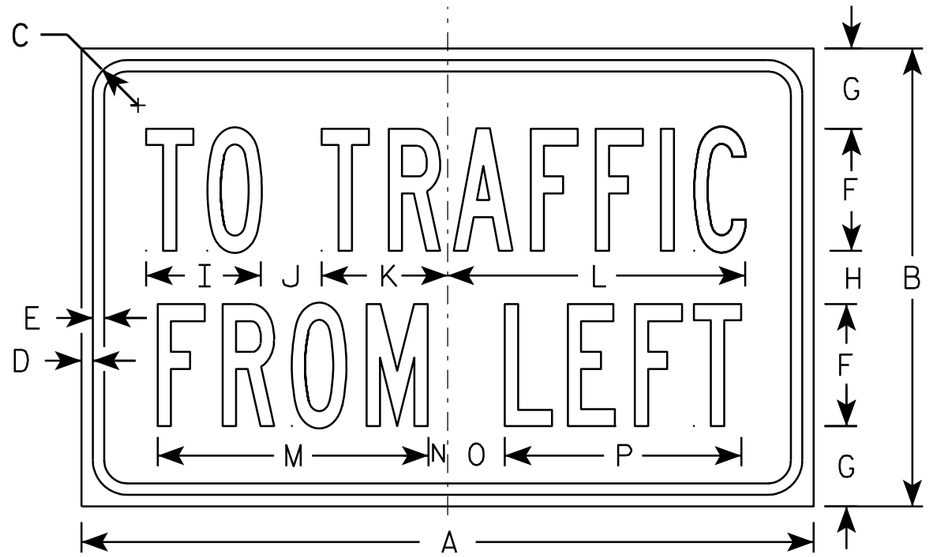
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



R1-54

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 - B

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	15	1 1/8	3/8	3/8	4	2 5/8	1 3/4	3 3/4	2	4 1/8	9 3/4	8 7/8	5/8	1 7/8	7 3/4											2.5
2M	24	15	1 1/8	3/8	3/8	4	2 5/8	1 3/4	3 3/4	2	4 1/8	9 3/4	8 7/8	5/8	1 7/8	7 3/4											2.5
3																											
4																											
5																											

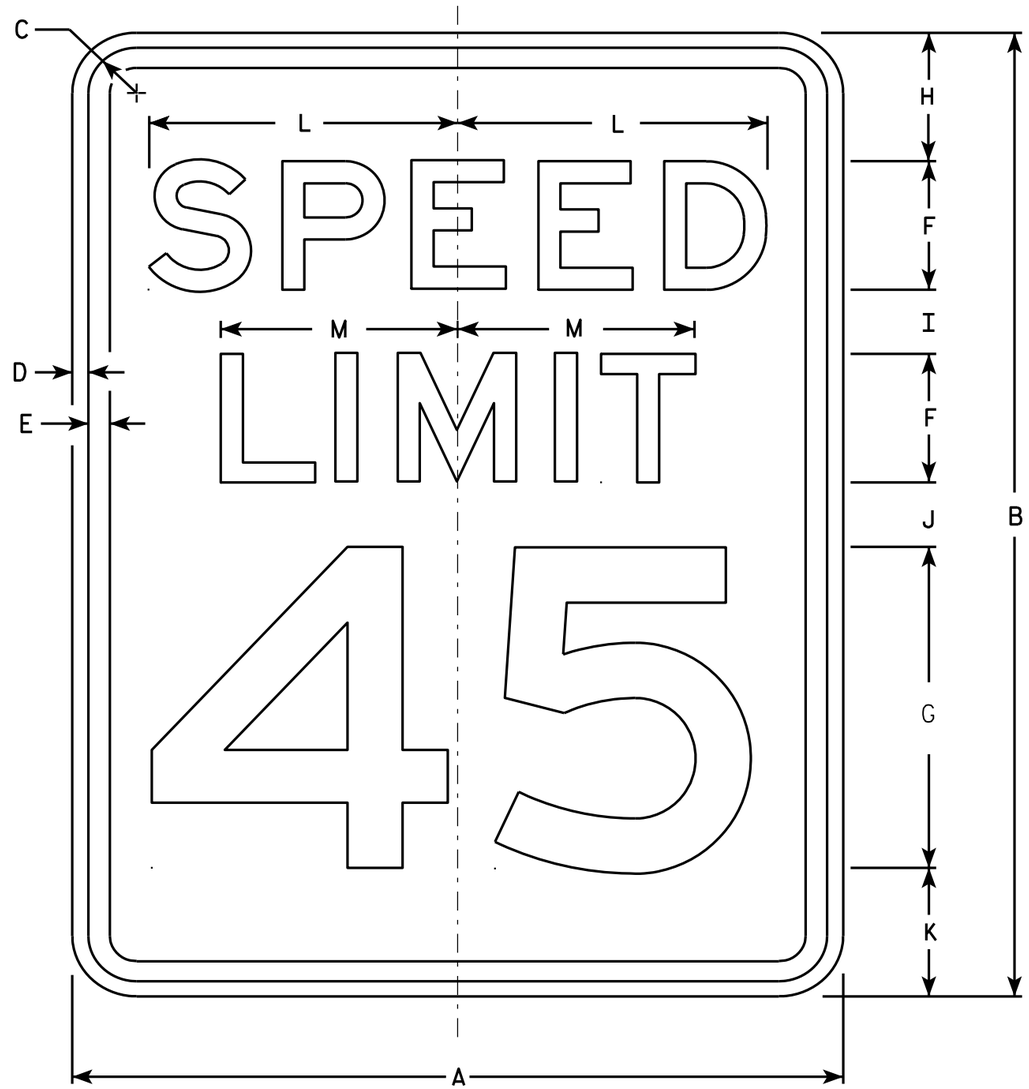
STANDARD SIGN
R1-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-54.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 759	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

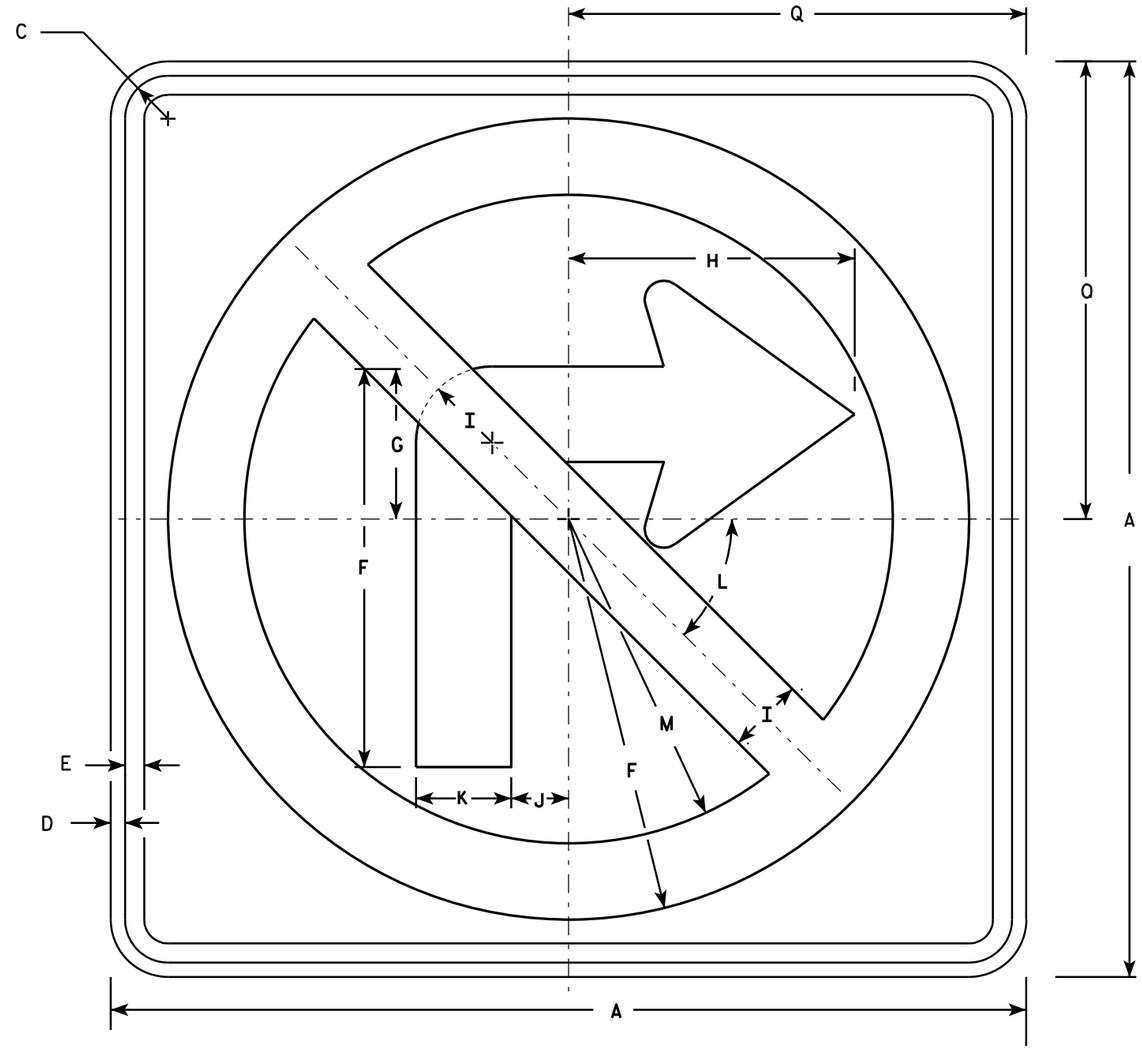
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

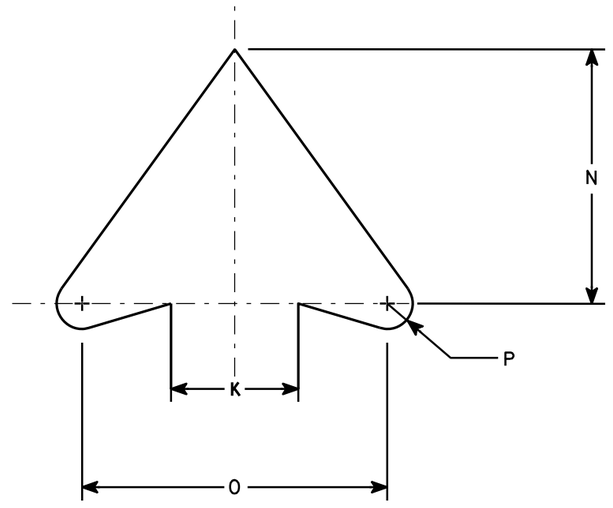
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 760	E



R3-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

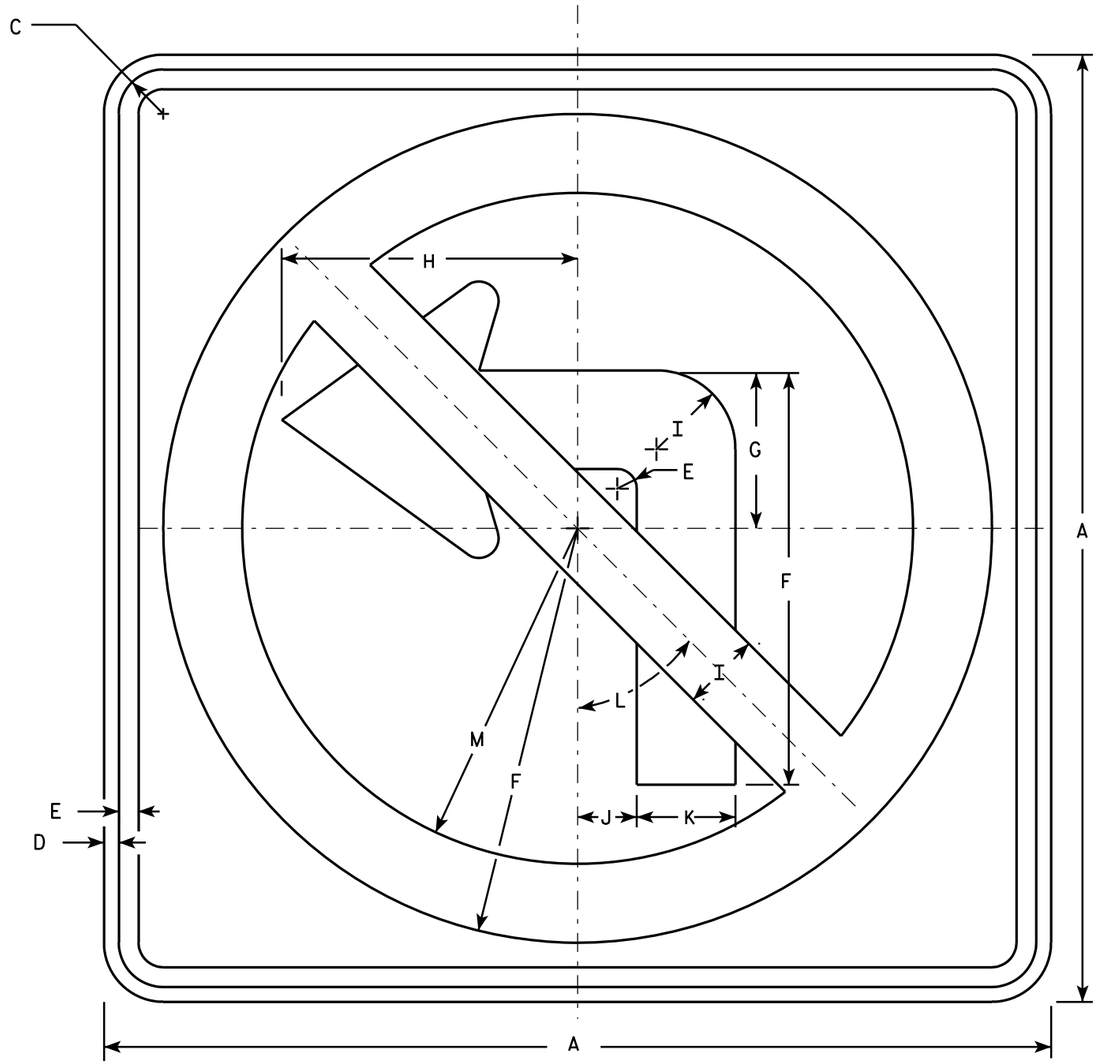
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

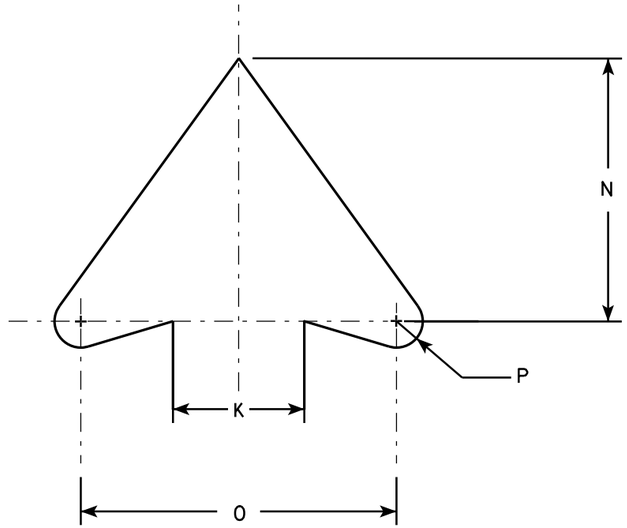
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 761	E



R3-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

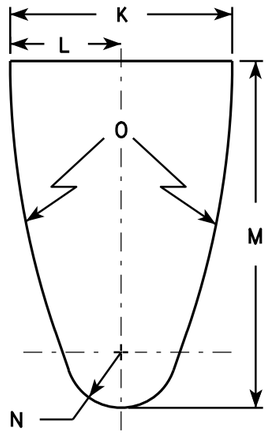
STANDARD SIGN
R3-2

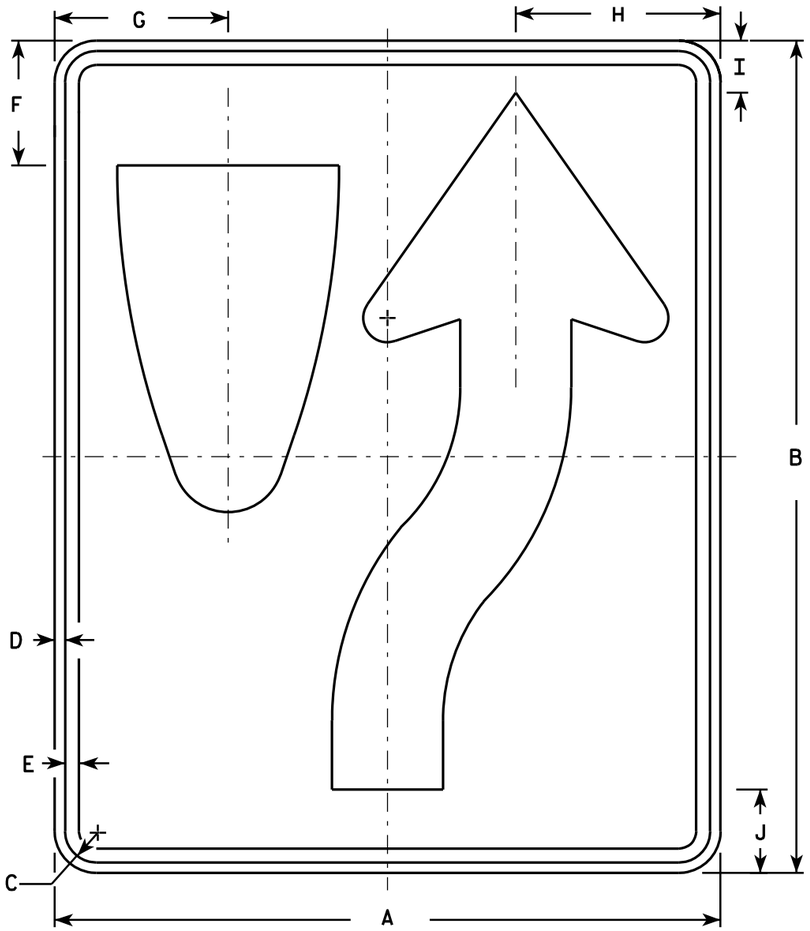
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 762	E

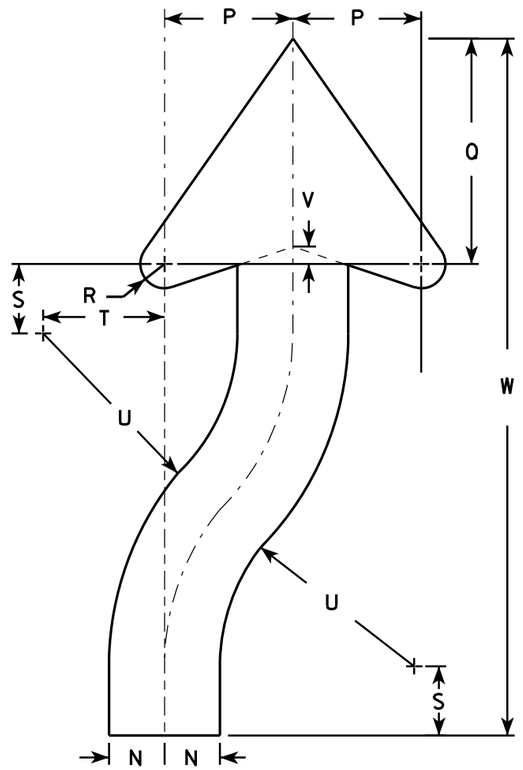




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

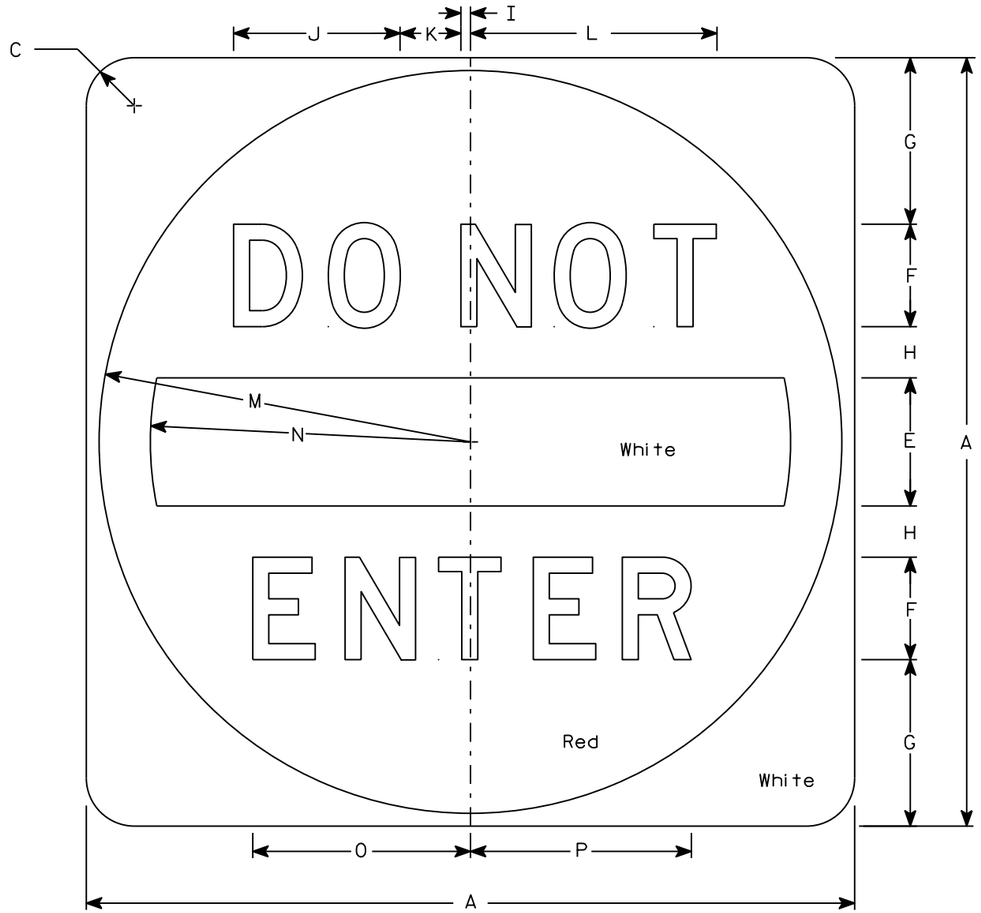
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 763	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

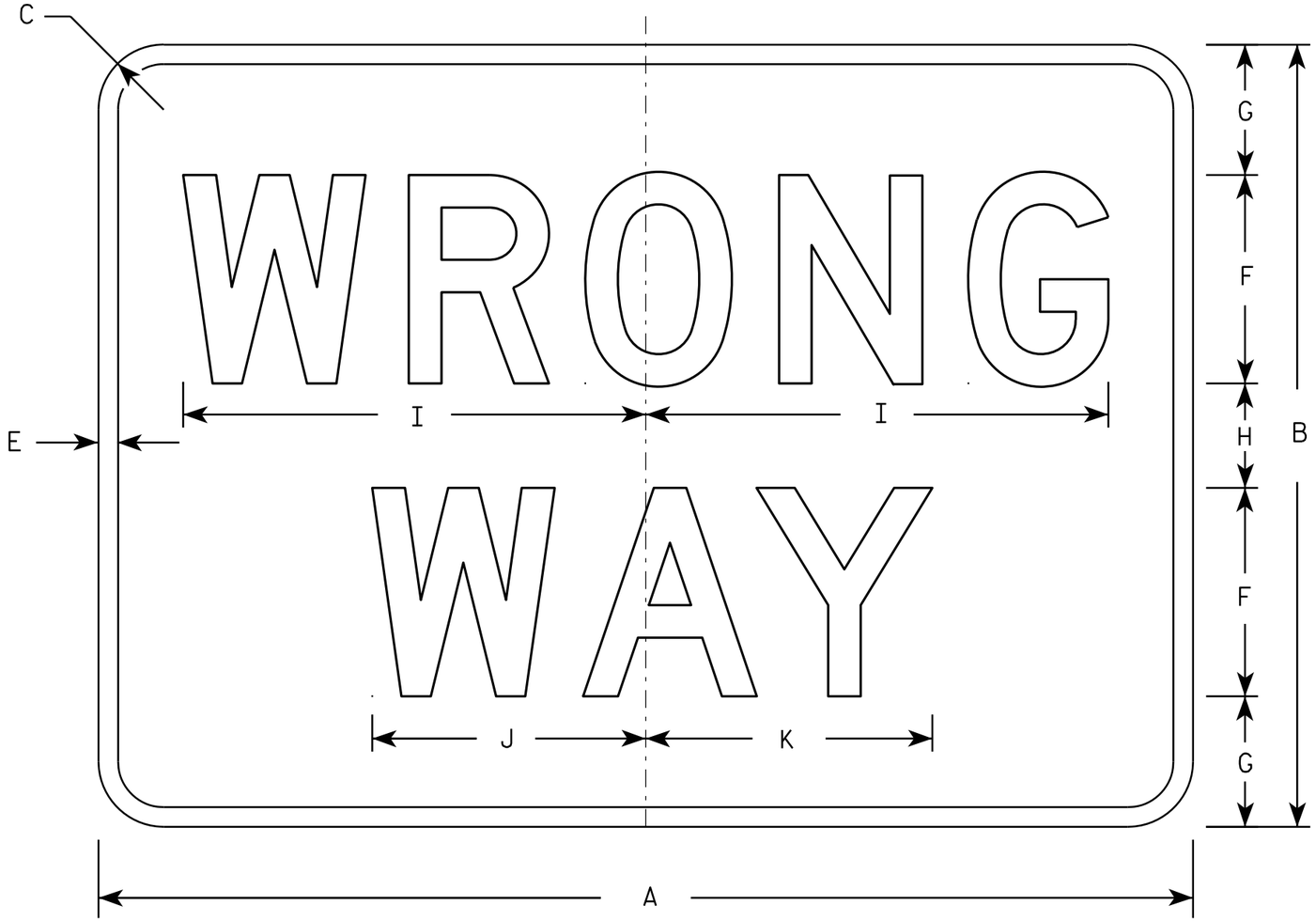
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 764 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 765	E



R5-57

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 - Lines 1, 2, and 5 are Series C.
   Lines 3 and 4 are Series B.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3																											
4	36		1 5/8	5/8	3/4	4	3	2	3 1/2	14 1/4	14 7/8	11	11 1/2	4 3/4	1 3/4	9		1 3/8	10	11	2 1/2	1 3/4	15 1/2	13	13 5/8		9.0
5	36		1 5/8	5/8	3/4	4	3	2	3 1/2	14 1/4	14 7/8	11	11 1/2	4 3/4	1 3/4	9		1 3/8	10	11	2 1/2	1 3/4	15 1/2	13	13 5/8		9.0

STANDARD SIGN
R5-57

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-57.10

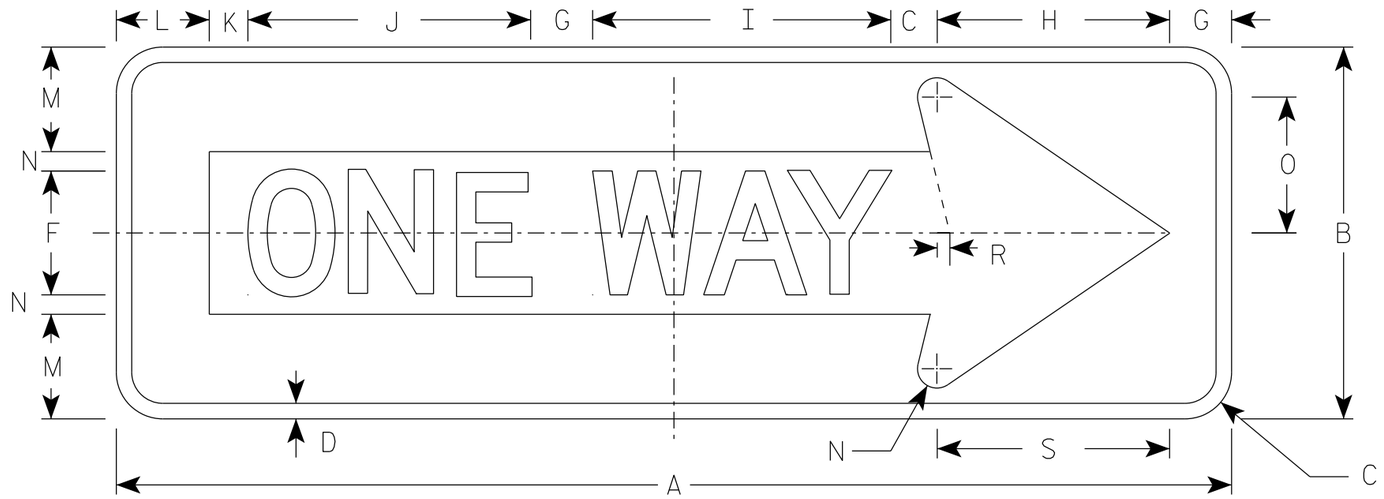
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 766 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R557.DGN PLOT DATE : 29-MAR-2011 14:38 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.959043:1.000000

WISDOT/CADDS SHEET 42

7

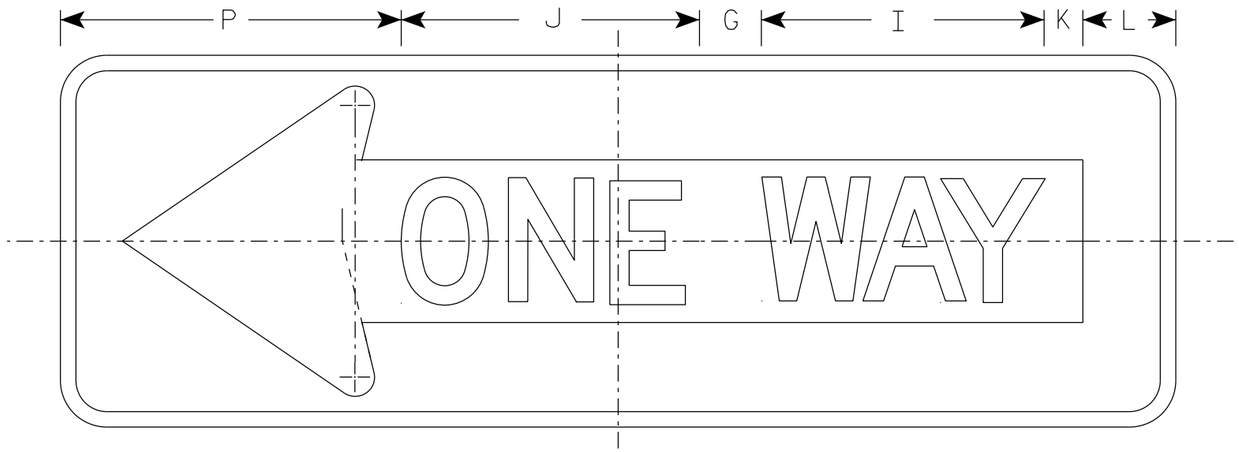
7



R6-1R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D



R6-1L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
3	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
4	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN
R6-1 L & R

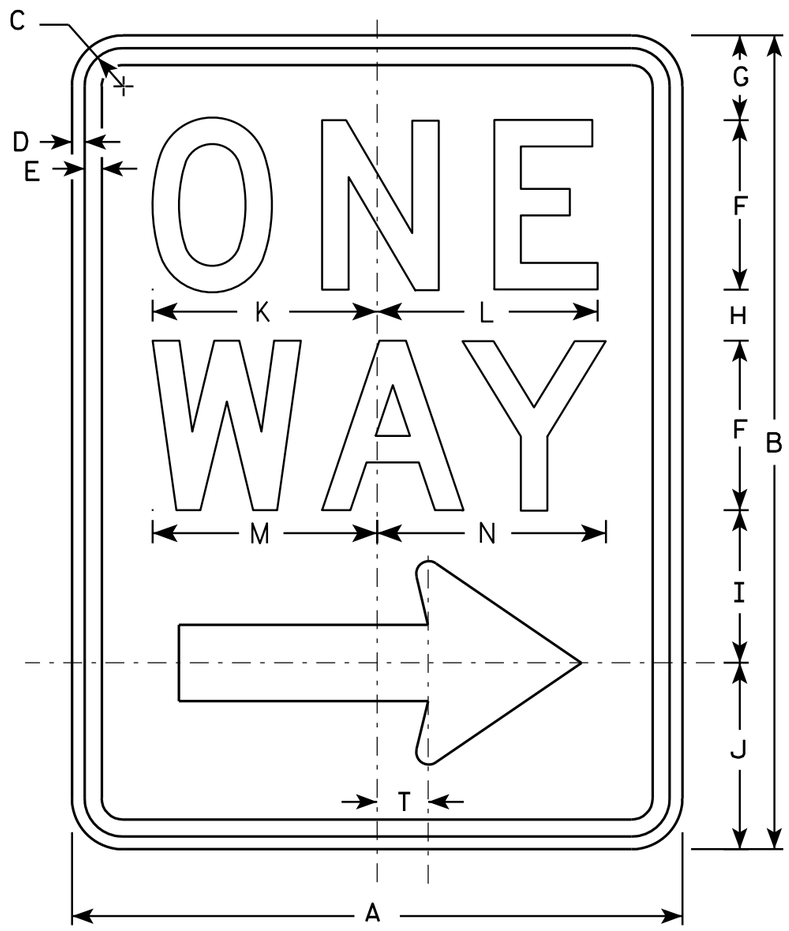
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 07/11/18 PLATE NO. R6-1.3

PROJECT NO:

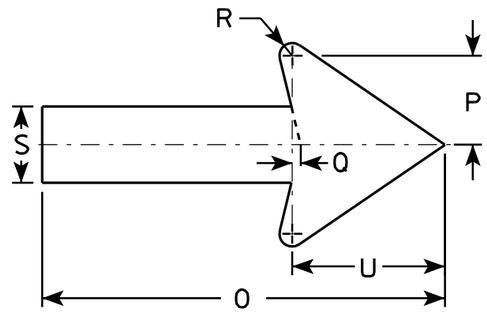
SHEET NO: 767 E



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

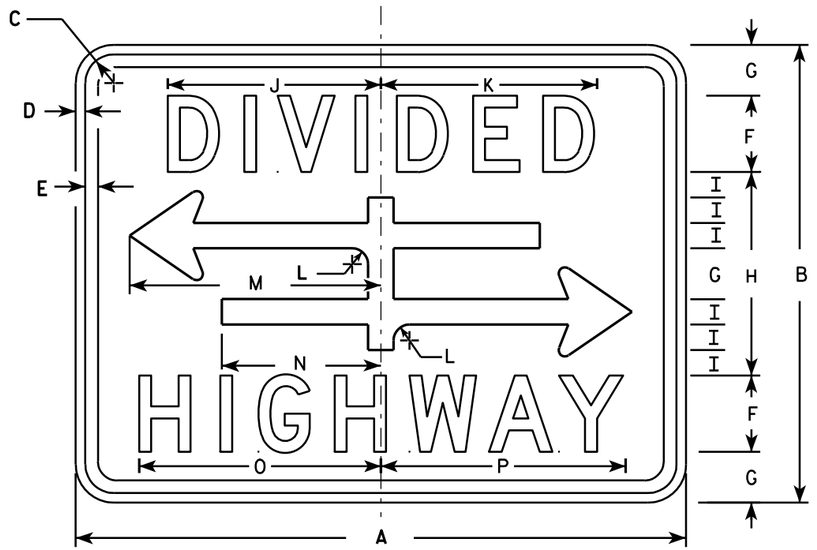
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

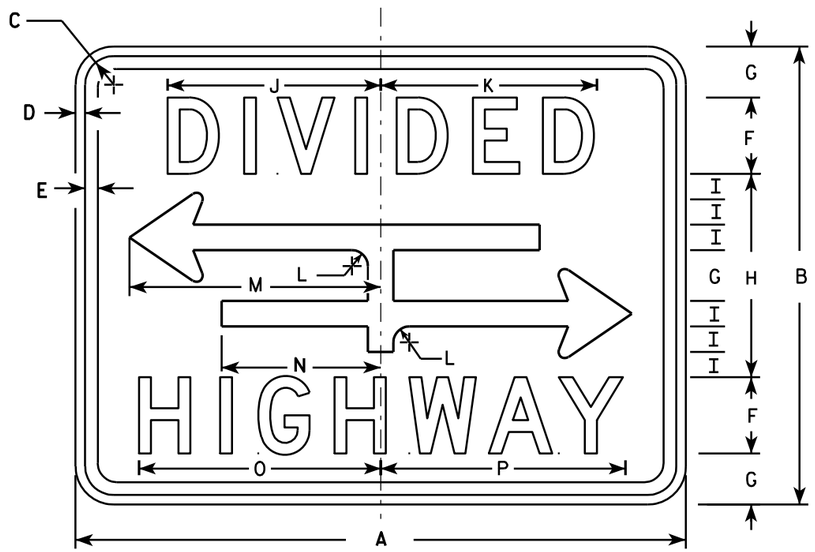
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 768	E



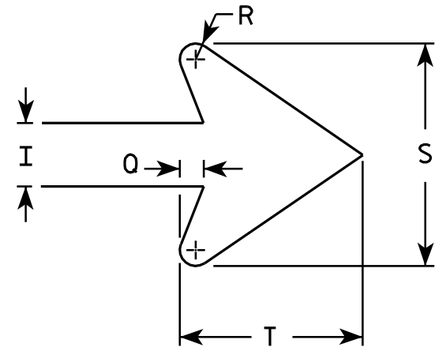
R6-3

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.



R6-3A



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	18	1 1/8	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 7/8	6 1/4	9 1/2	9 5/8	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
2M	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
3																											
4																											
5																											

STANDARD SIGN
R6-3 & R6-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

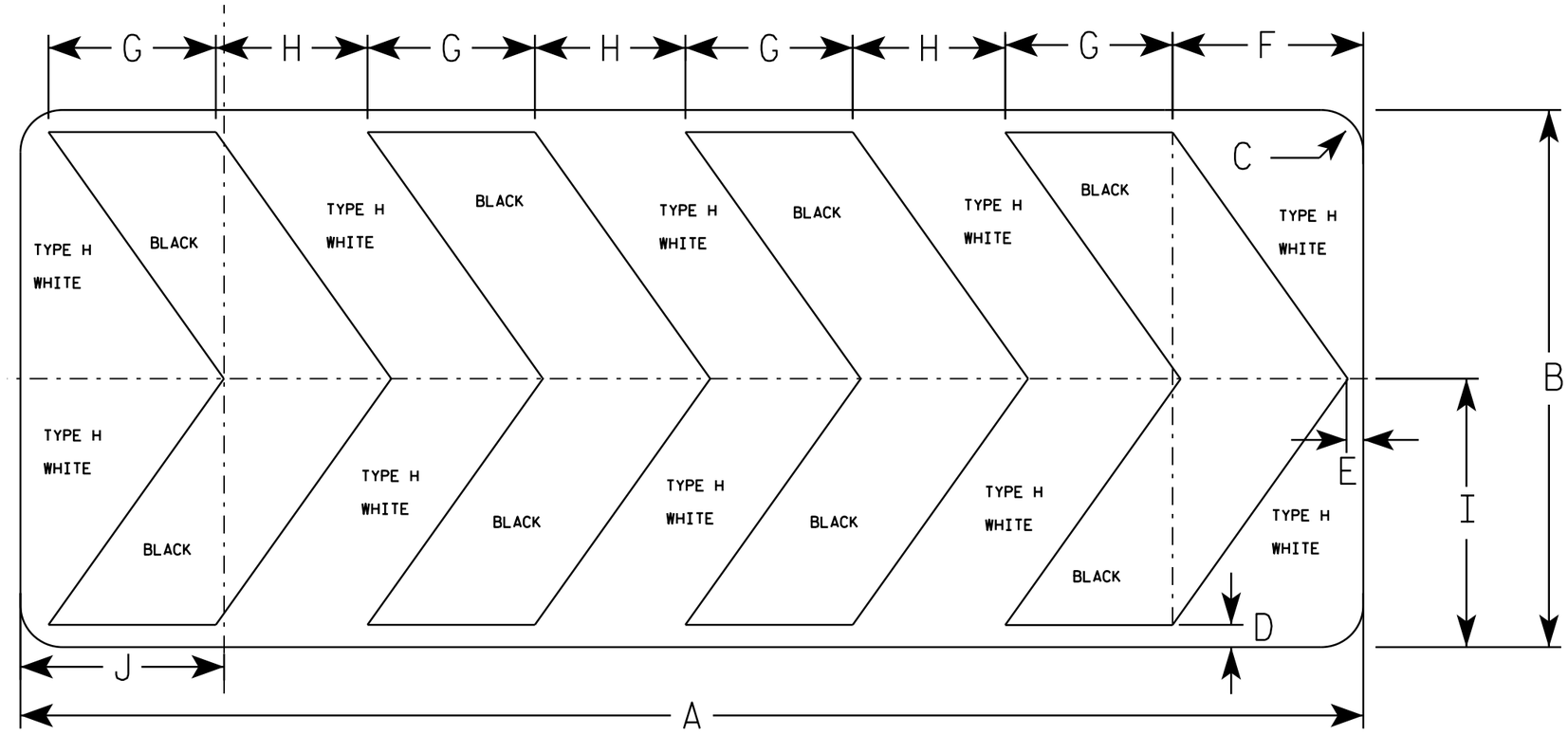
DATE 3/31/2011 PLATE NO. R6-3.5

PROJECT NO:

SHEET NO: 769 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - WHITE
   Message - BLACK
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-4B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
2M	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
3																											
4																											
5																											

STANDARD SIGN
R6-4B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

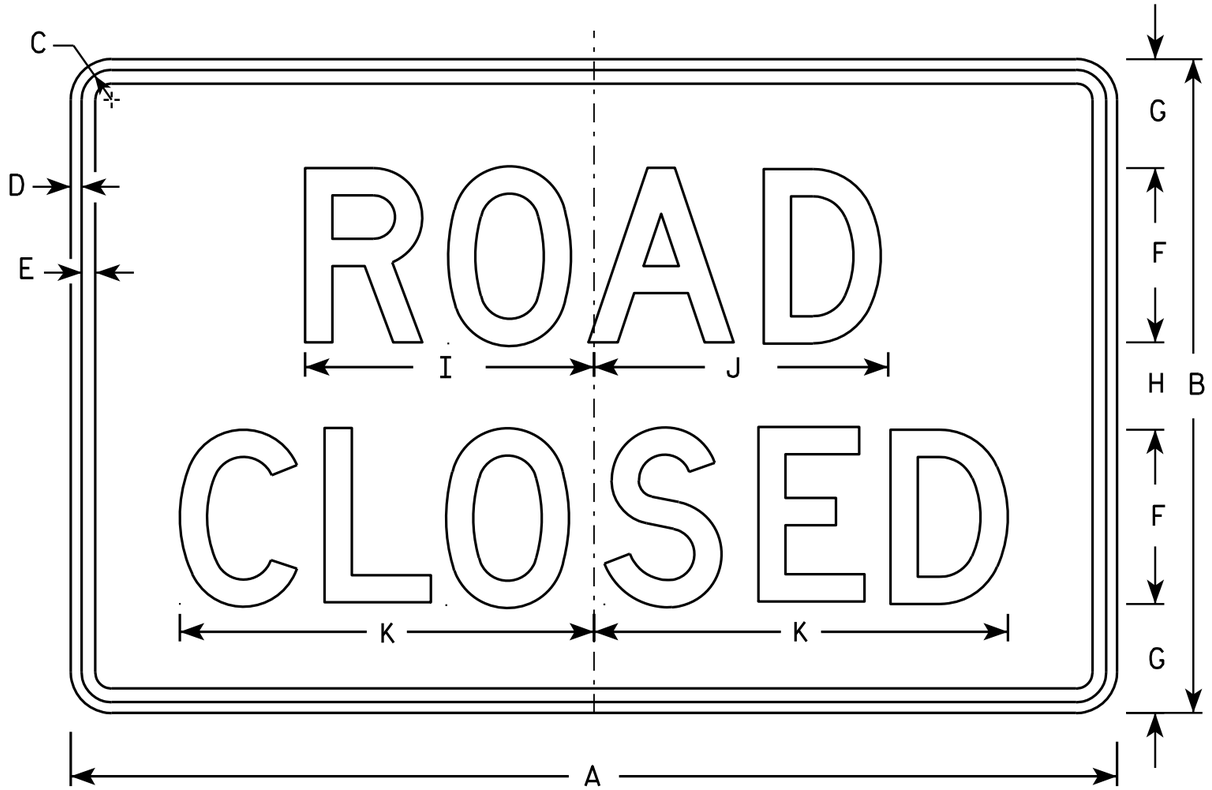
DATE 8/21/14 PLATE NO. R6-4.3

PROJECT NO:

SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R64B.DGN PLOT DATE : 21-AUG-2014 15:01 PLOT BY : mscsja

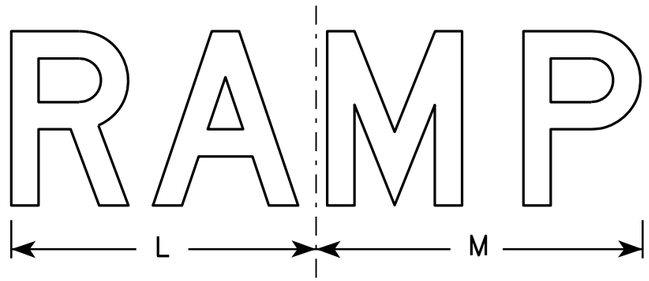
WISDOT/CADDS SHEET 42



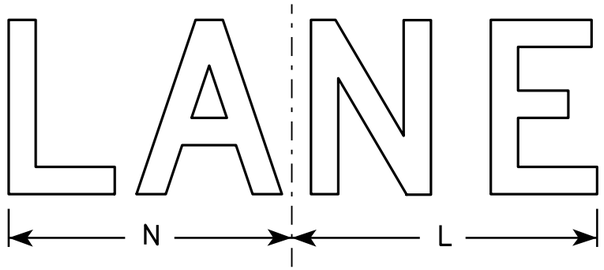
R11-2

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

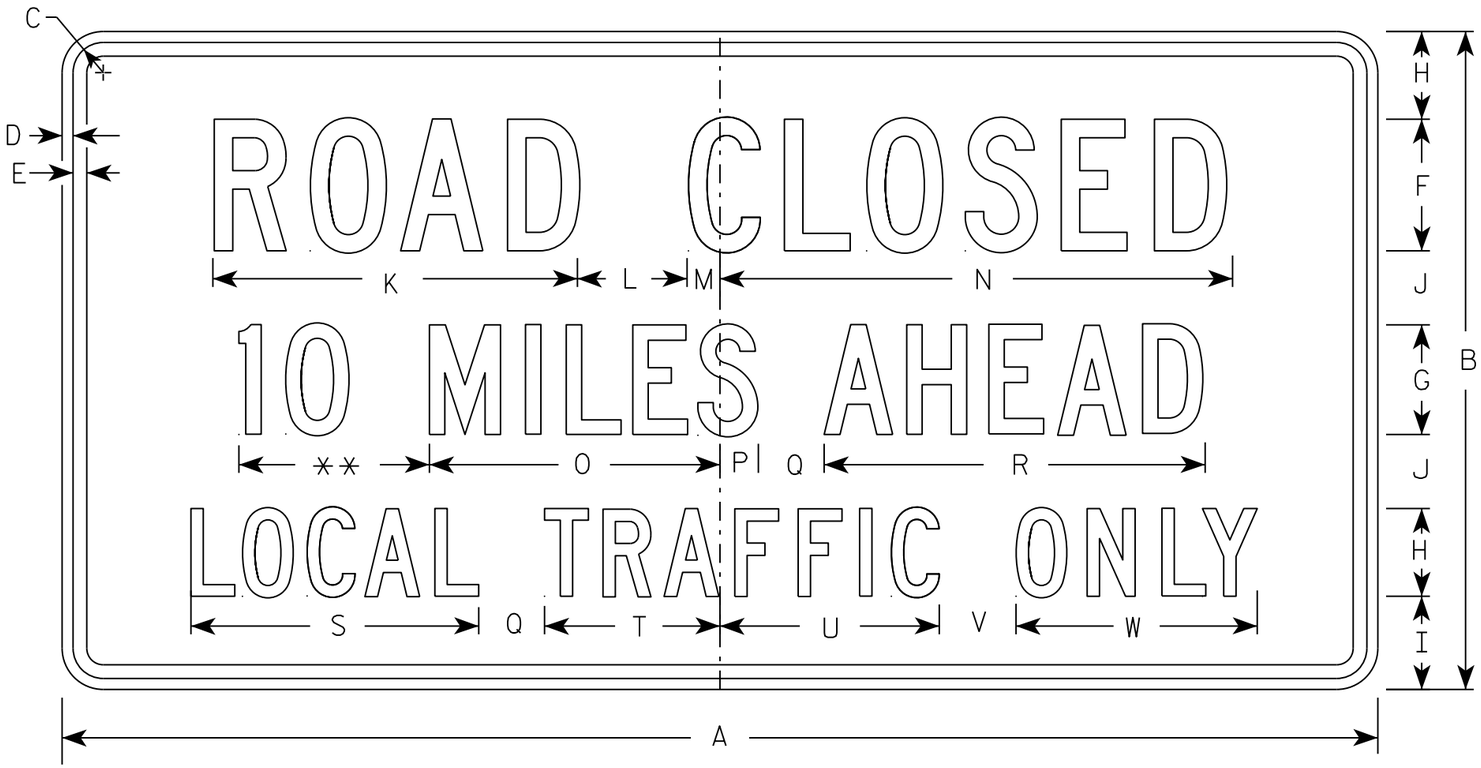
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 771 | E

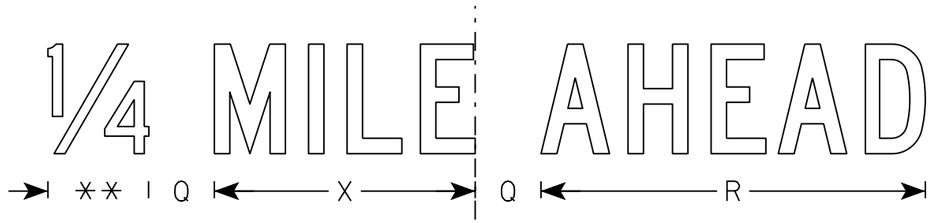
NOTES

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.



R11-3

** 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																											

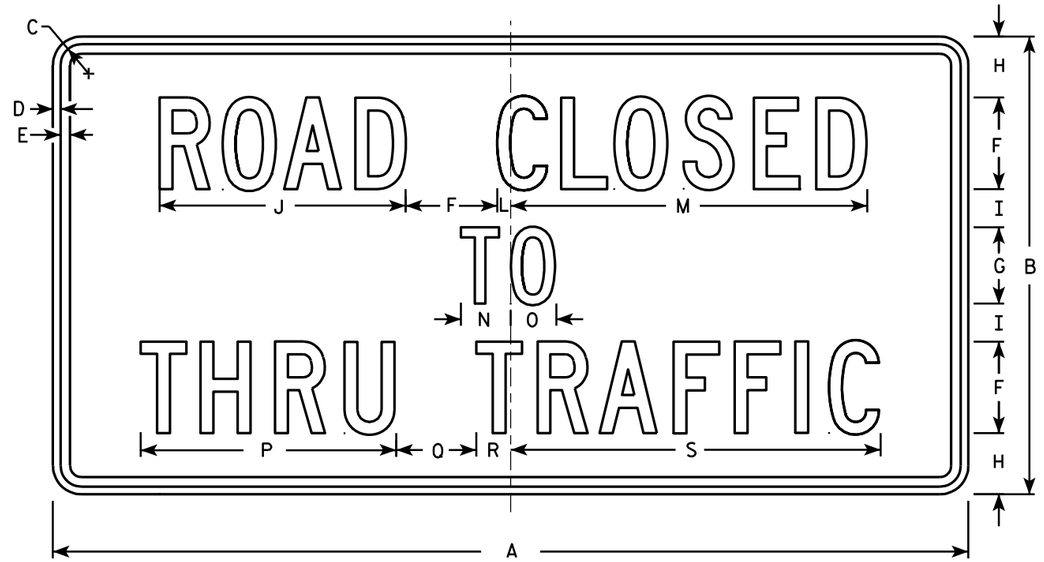
STANDARD SIGN
R11-3

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: 772	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

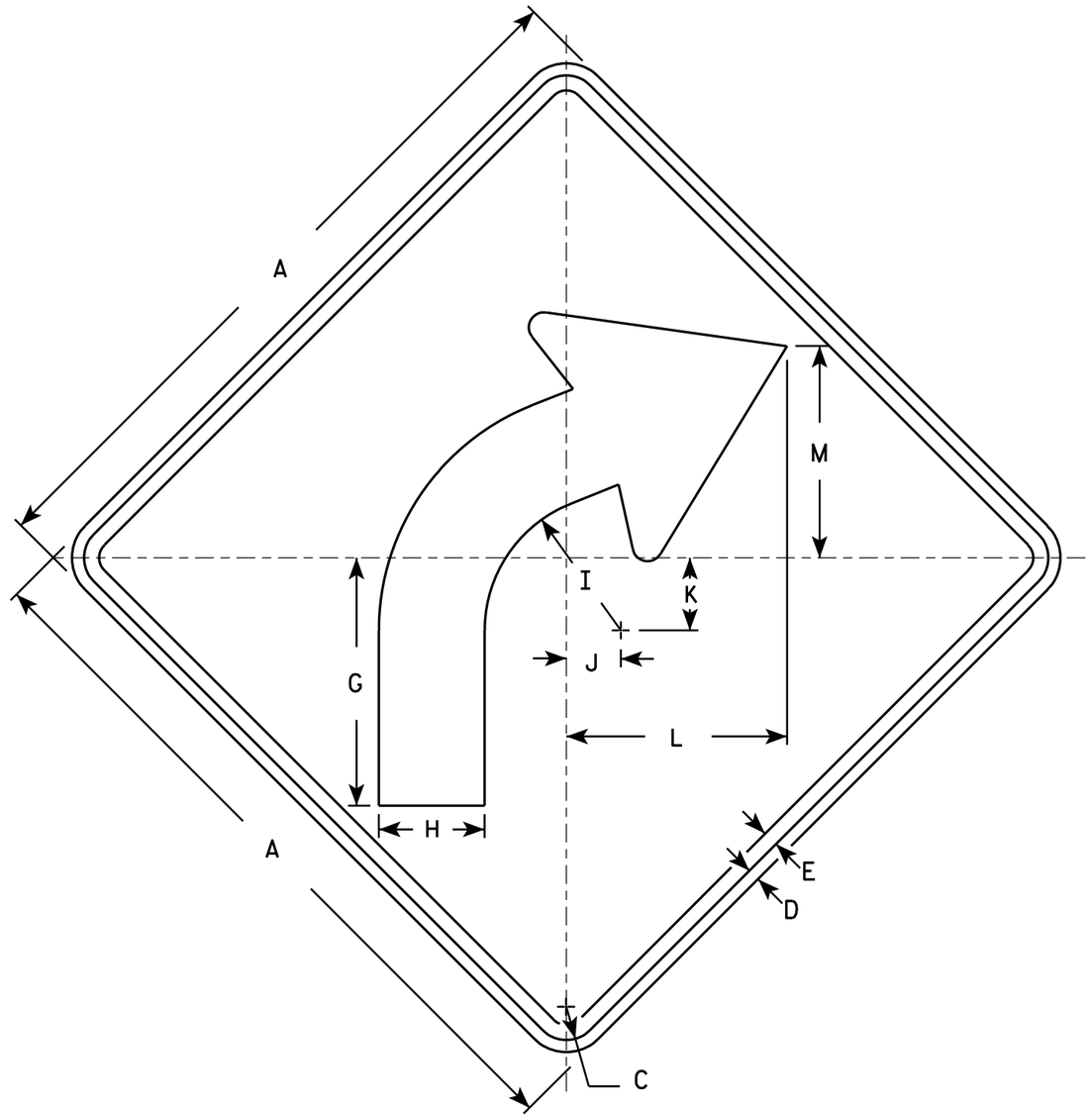
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

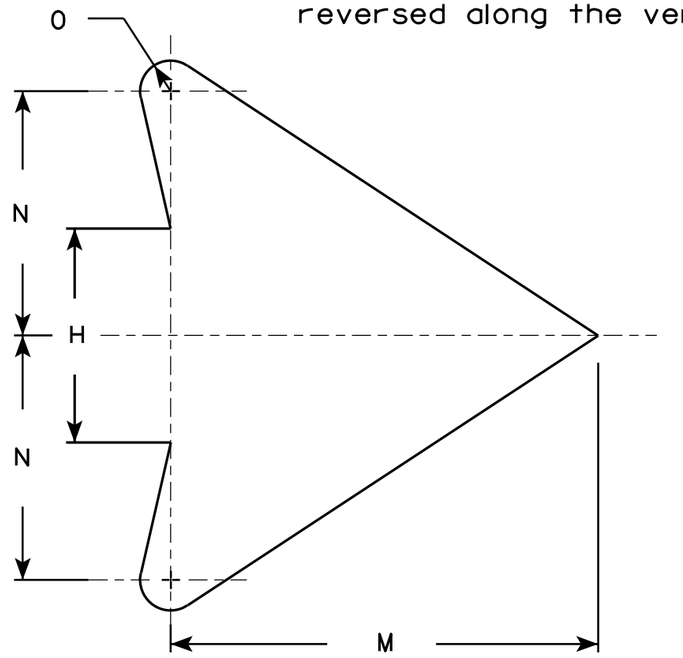
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 773 | E

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



W1-2R



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
2S	30		1 3/8	1/2	5/8		10 1/4	4 3/8	5 5/8	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
3	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
4	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

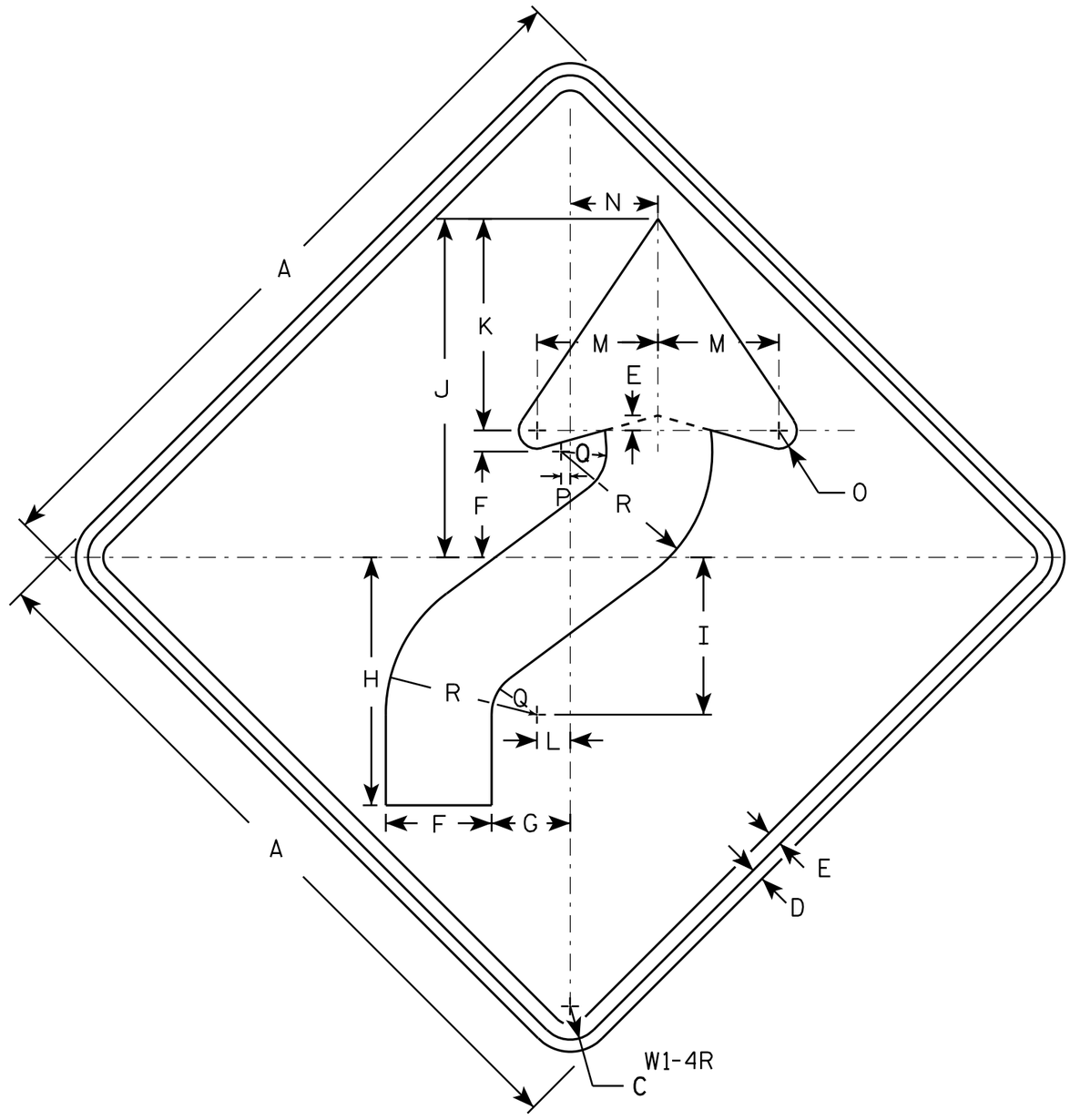
STANDARD SIGN
W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 774	E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. 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

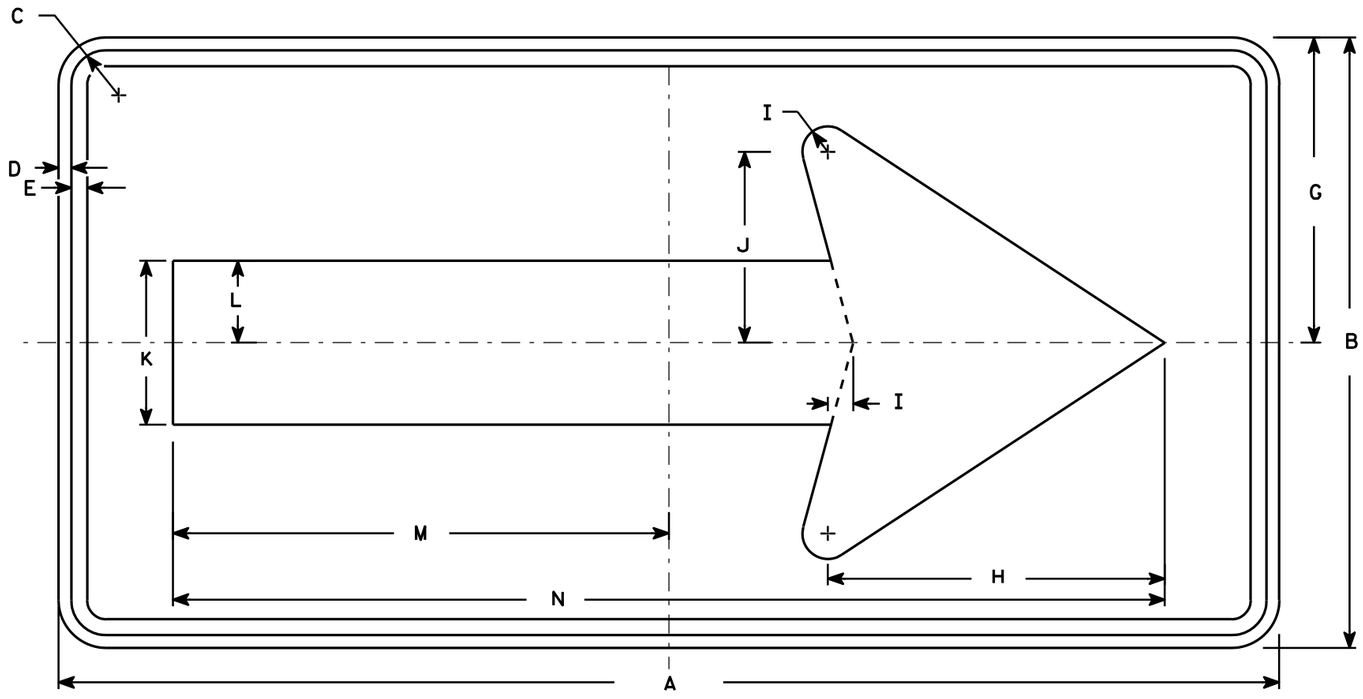
STANDARD SIGN
W1-4

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: 775 | E



W1-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	3/8		9	10	3/4	5 5/8	4 3/4	2 3/8	14 5/8	29 1/4													4.5
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	96	48	2 1/4	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

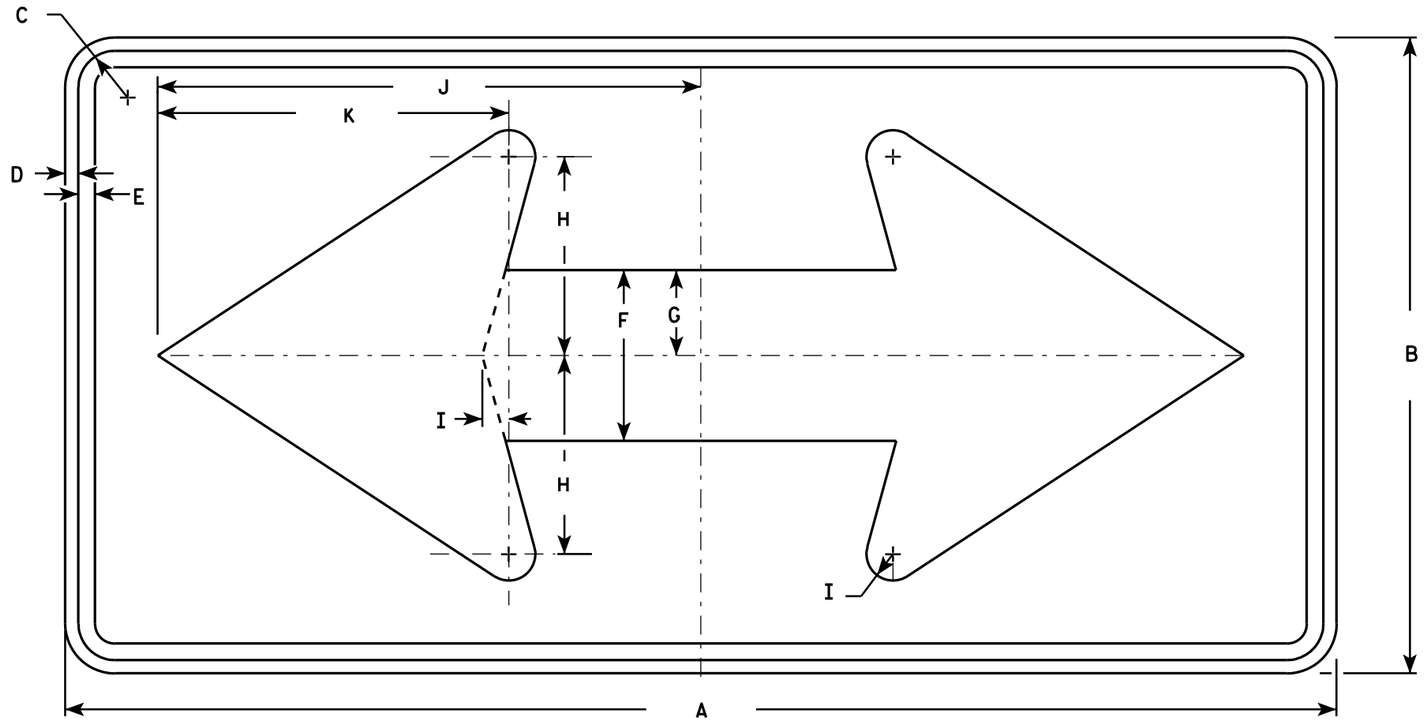
STANDARD SIGN
W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-6.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 776



W1-7

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	1/2	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	96	48	2 1/4	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

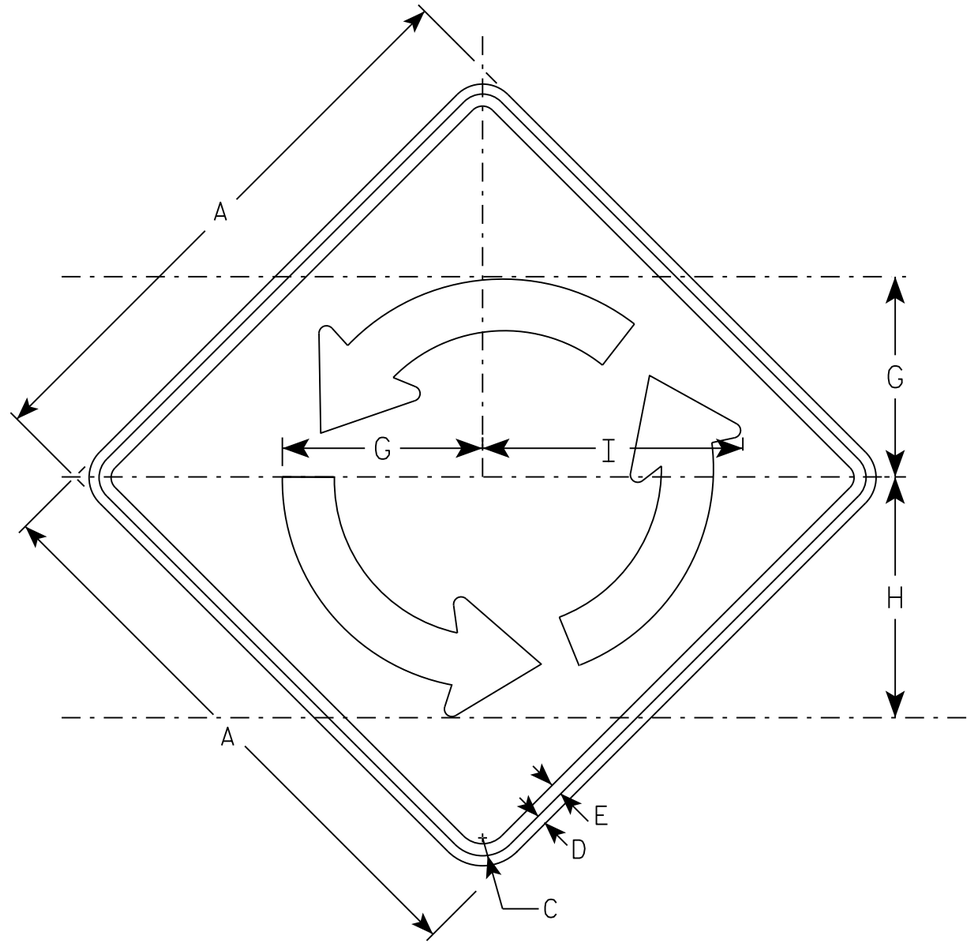
STANDARD SIGN
W1-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-7.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 777 | E



W2-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - YELLOW
   Message - BLACK

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Area sq. ft.
1																									
2S	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2																6.25
2M	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2																6.25
3	36		1 5/8	5/8	3/4		12 1/2	15	16 1/4																9.00
4	48		2 1/4	3/4	1		16 5/8	20	16 1/4																16.0
5																									

STANDARD SIGN
W2-6

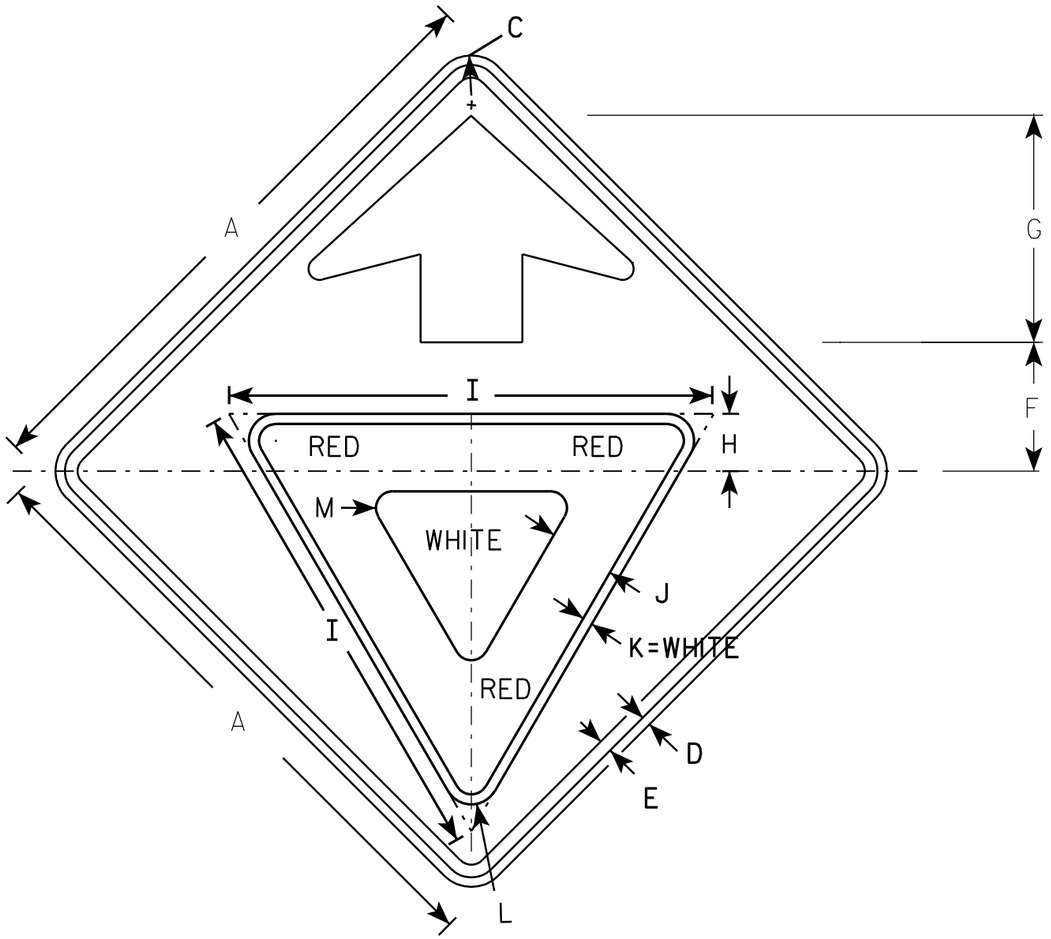
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. W2-6.6

PROJECT NO:

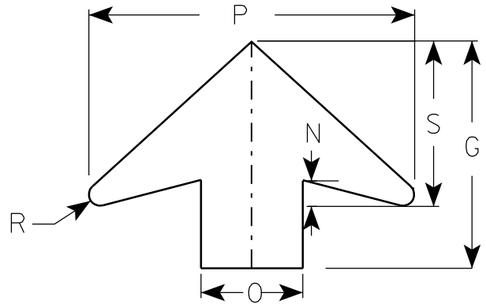
SHEET NO: 778 E



W3-2

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Yield Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	3	25	3 3/8	1/2	1 3/8	7/8	1 1/4	5	16		1/2	8								6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0

STANDARD SIGN
W3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-2..9

PROJECT NO:

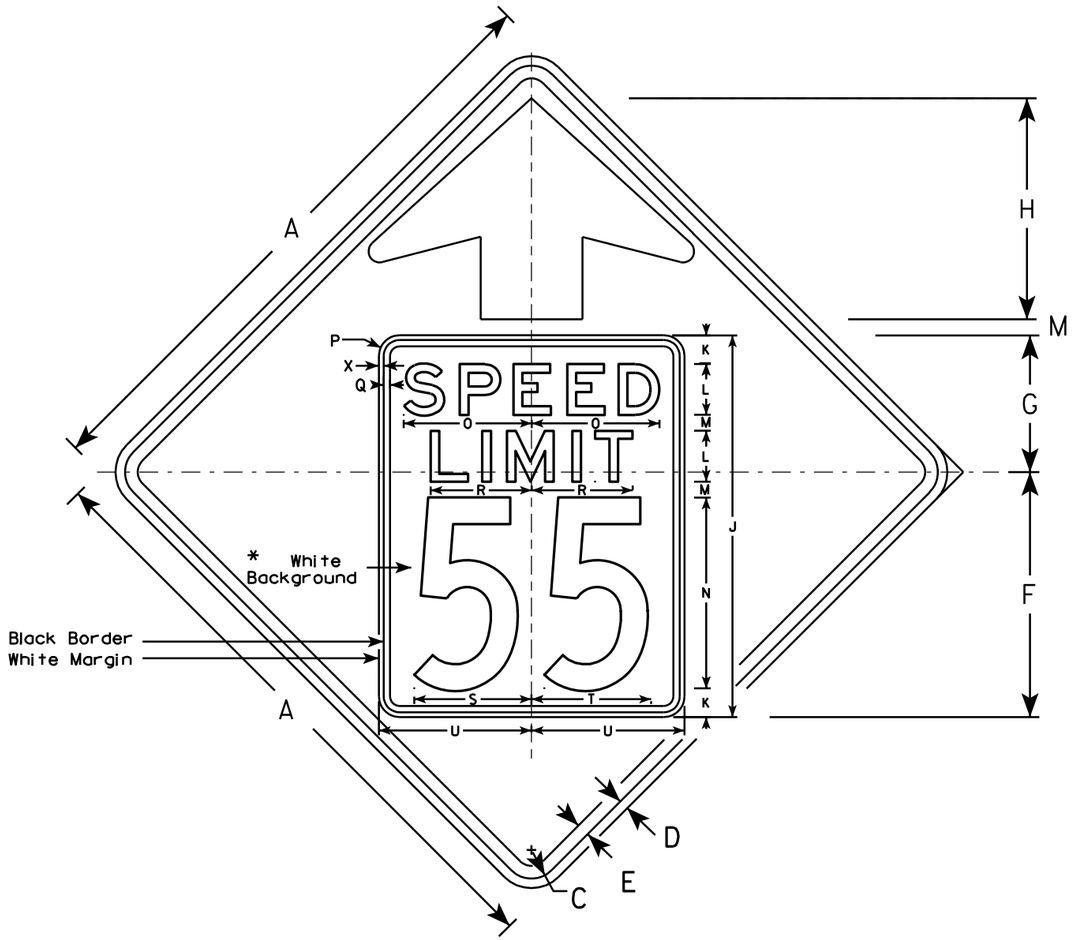
SHEET NO: 779 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W32.DGN PLOT DATE : 07-JUN-2010 13:03 PLOT BY : ditjph

WISDOT/CADDS SHEET 42

7

7

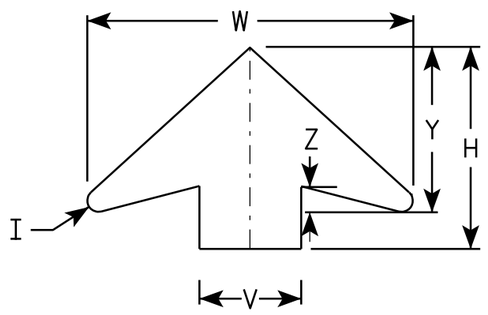


W3-5

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 - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2M	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
3	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W3-5

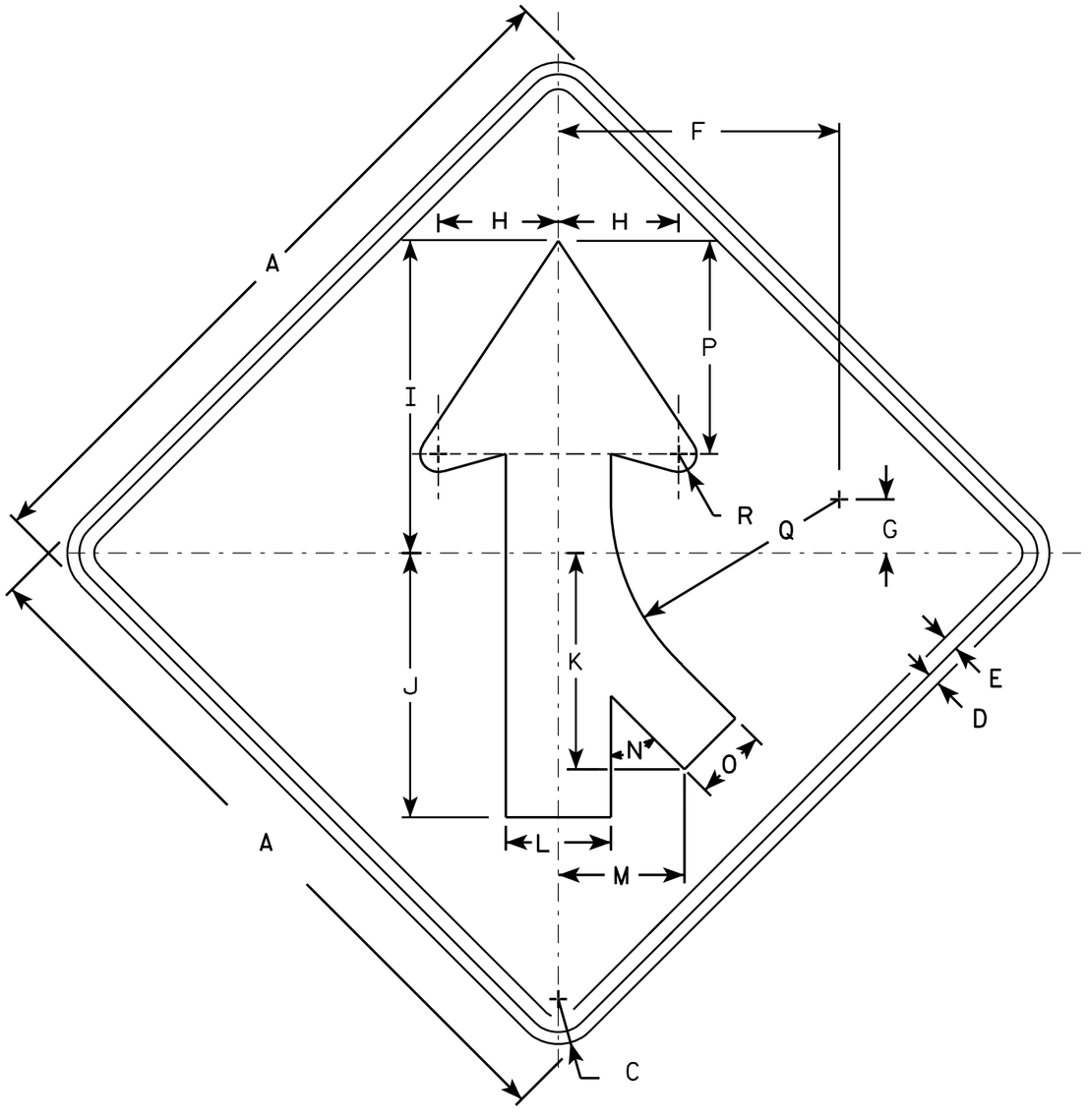
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W3-5.5

PROJECT NO:

SHEET NO: 780 E



W4-1 R

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. W4-1L is the same as W4-1R 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		1 3/8	1/2	5/8	11 5/8	2 1/2	5	13	11	9	4 3/8	5 1/4	45°	3	8 7/8	9 1/2	3/4									6.25
2S	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
2M	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
3	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0

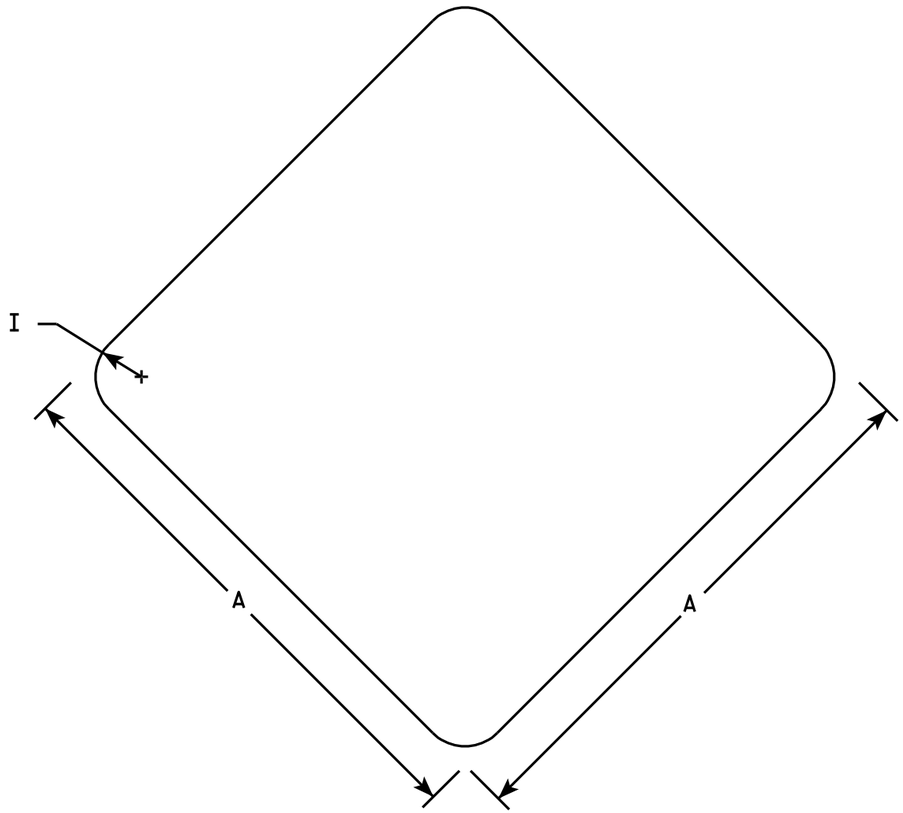
STANDARD SIGN
W4-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rausch for State Traffic Engineer

DATE 03/12/13 PLATE NO. W4-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 781	E



W5-56

NOTES

1. Sign is Type II - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
3. Corners may be square or rounded when base material is plywood. When base material is metal the corners shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12								1																		1.0
2S	18								1 ½																		2.25
2M	18								1 ½																		2.25
3																											
4																											
5																											

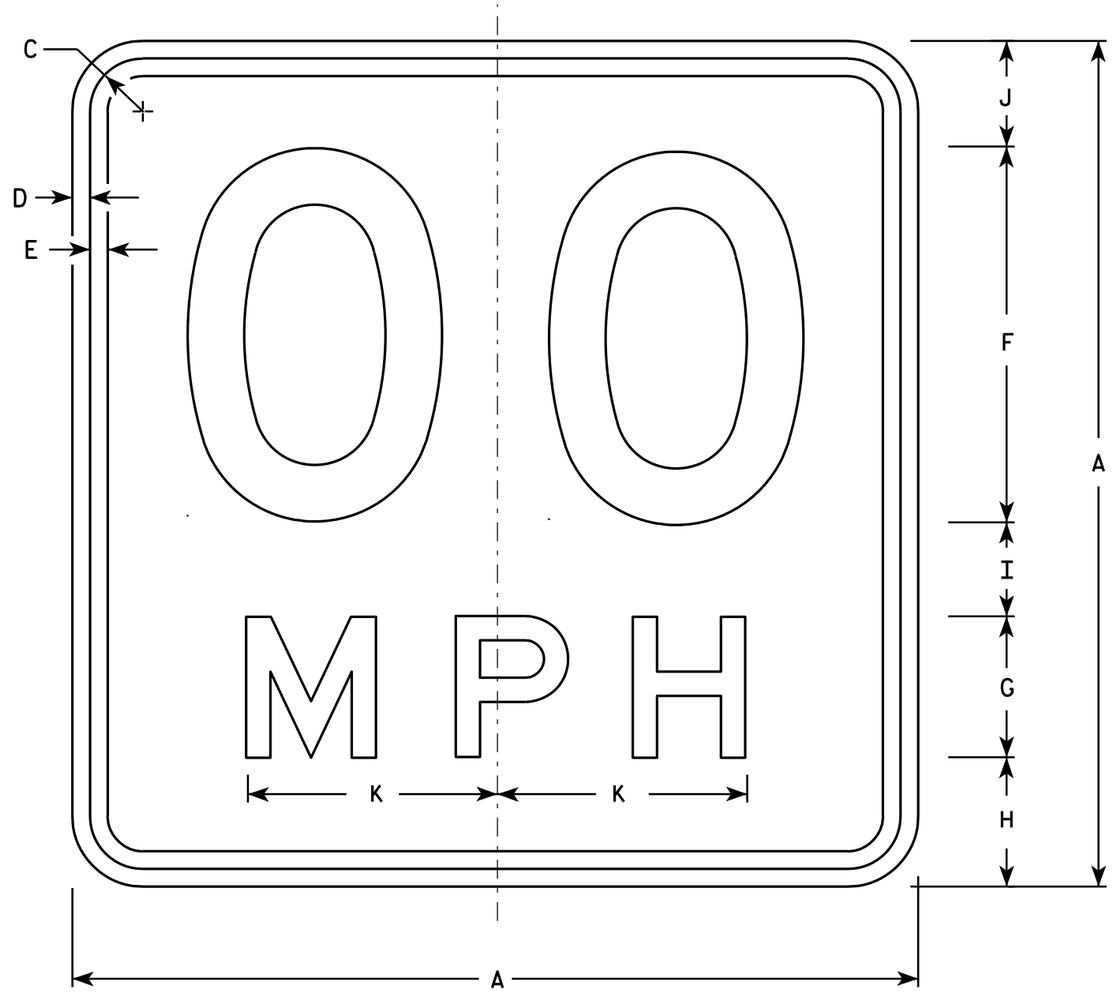
STANDARD SIGN
W5-56

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. W5-56.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 782	E



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

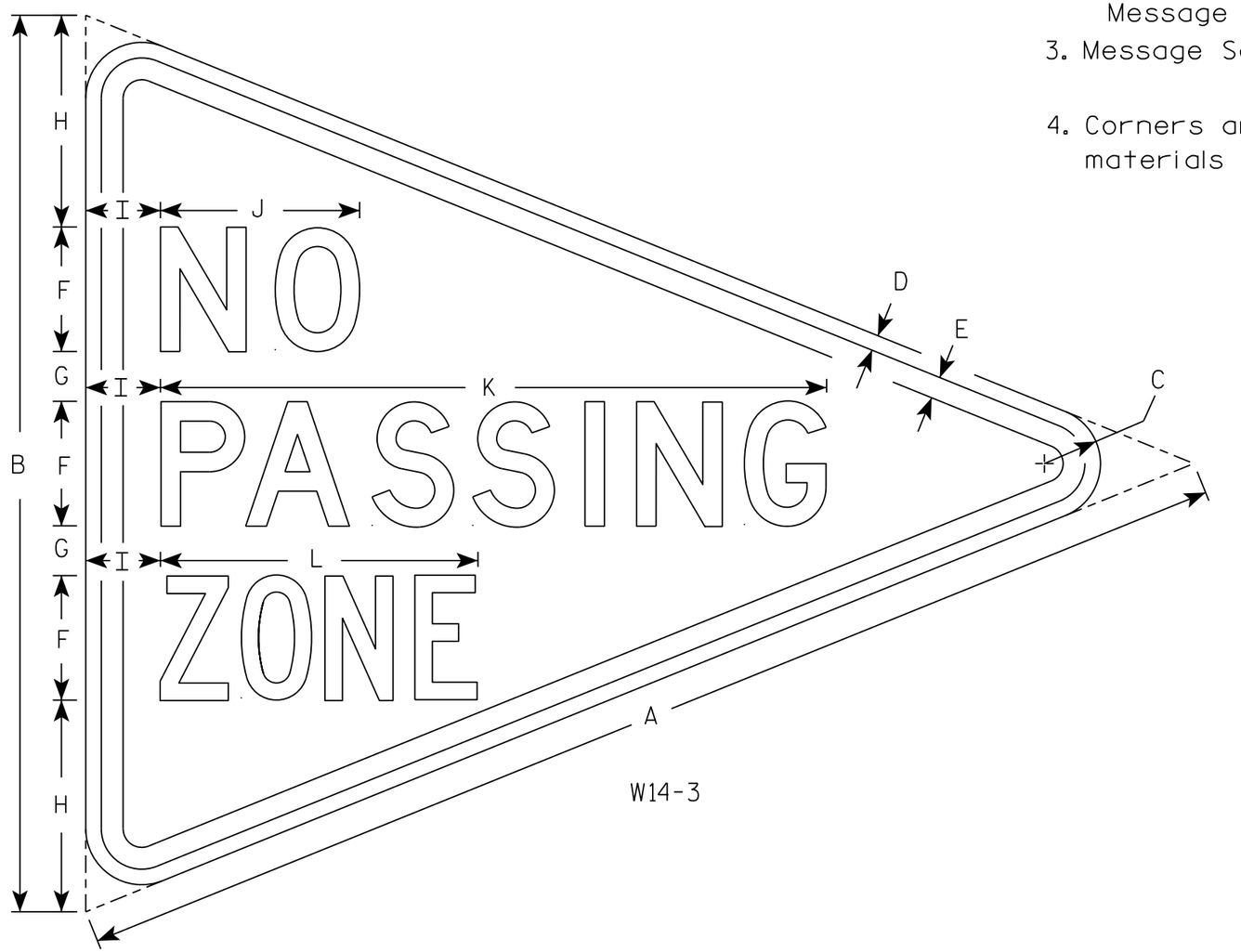
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 783 | E

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - Lines 1 and 2 are Series D.
   Line 3 is series C.
4. Corners and borders shall be rounded on all base materials for this sign.



W14-3

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															5.56
2M																											
3																											
4																											
5																											

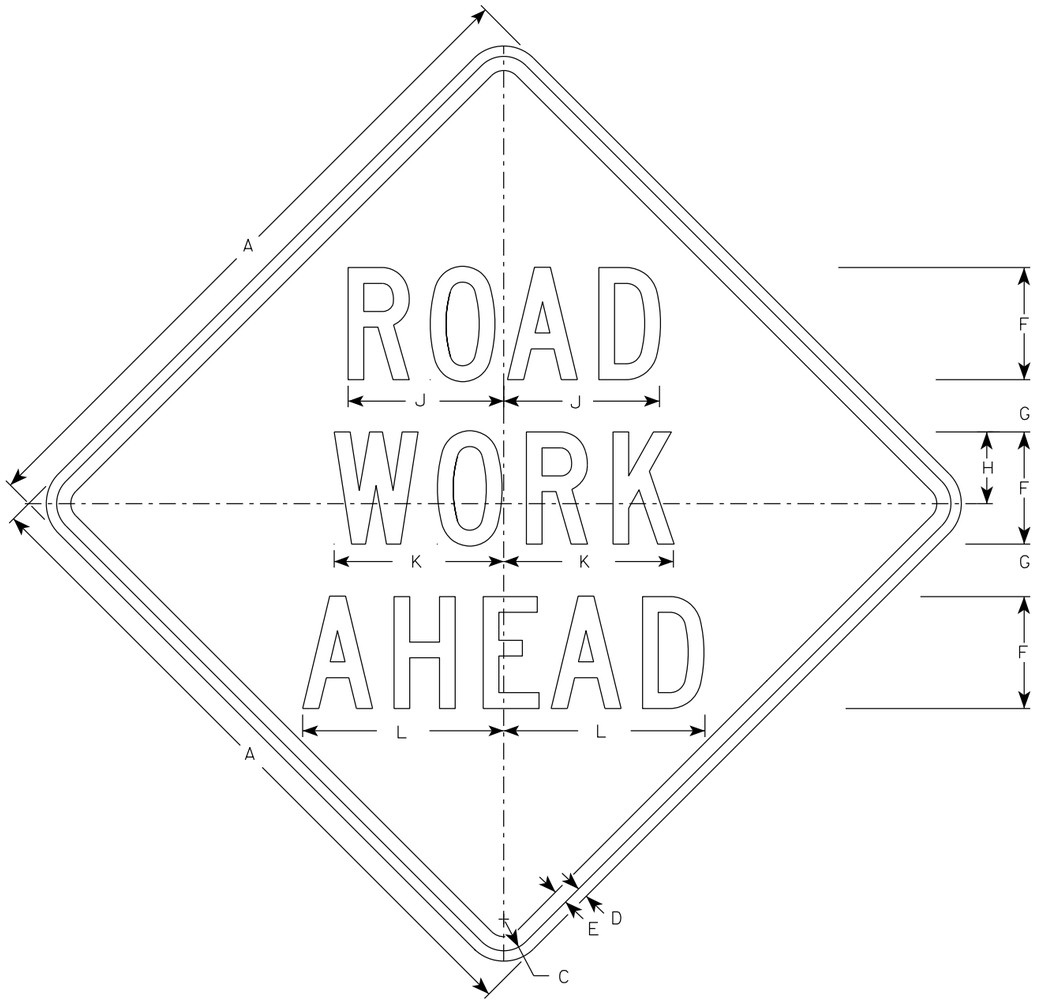
STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

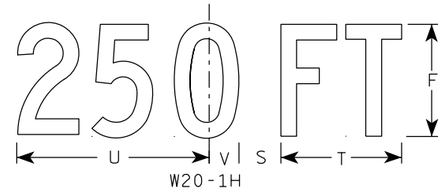
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W14-3.10

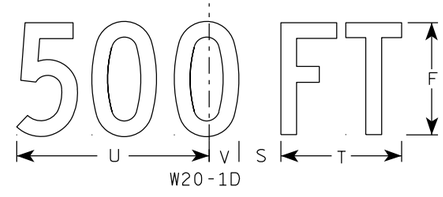
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 784 | E



W20-1A

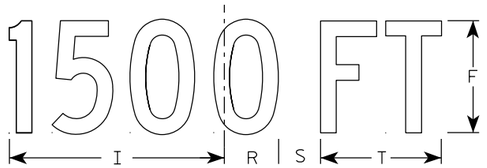


W20-1H



W20-1D

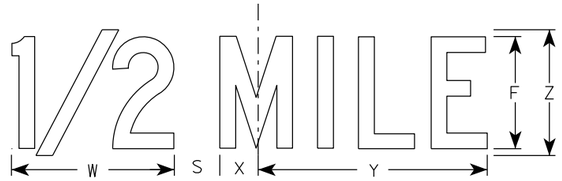
W20-1C



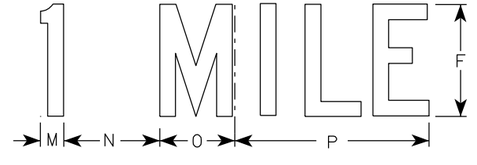
W20-1B

NOTES

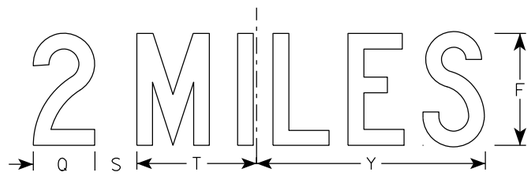
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



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 5/8	5/8	3/4	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	3 1/4	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, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

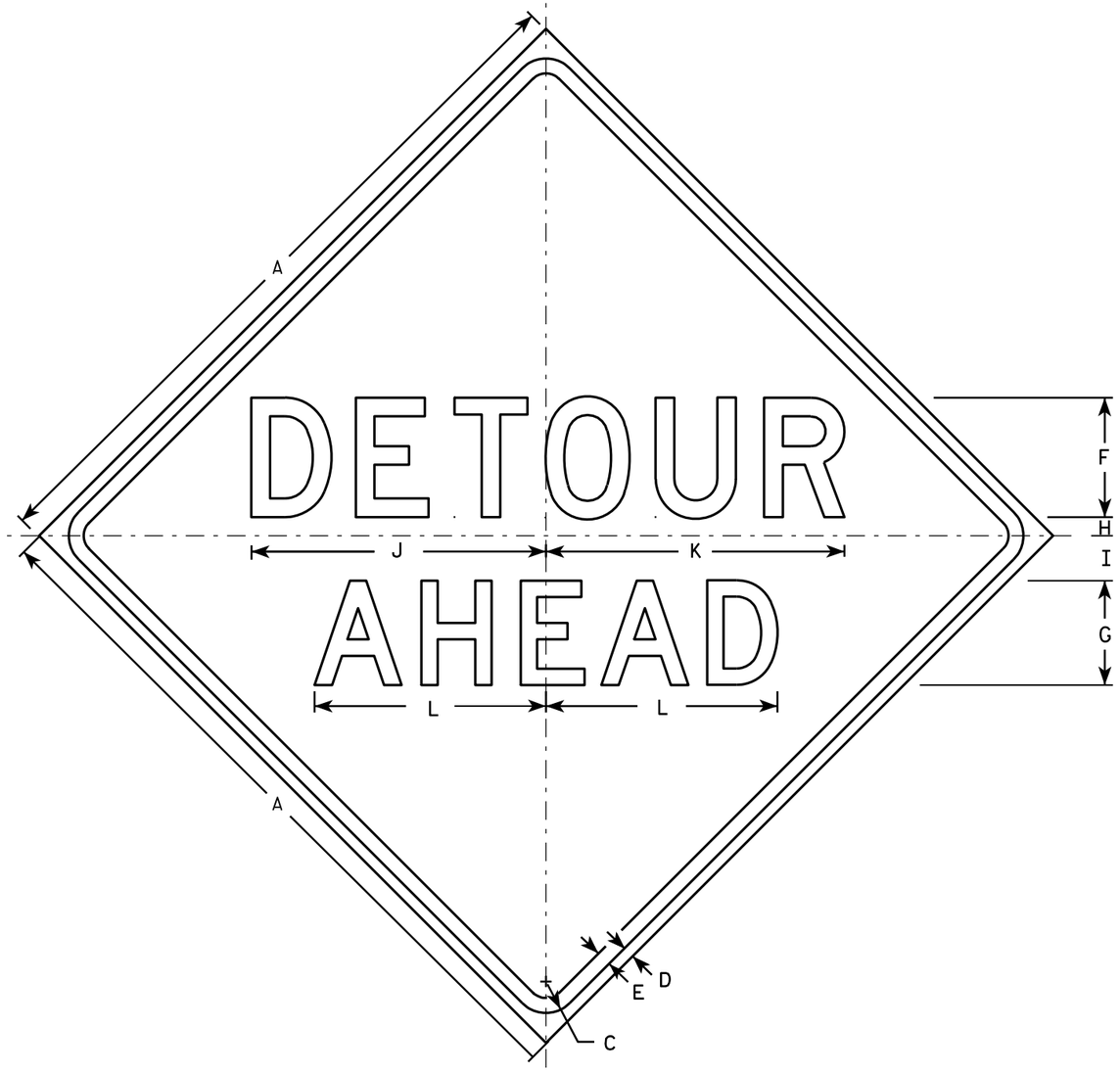
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

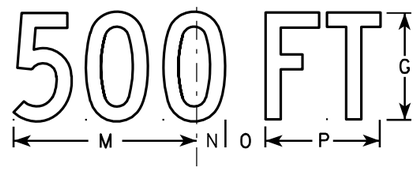
WISDOT/CADDS SHEET 42

7

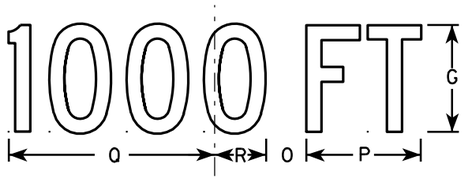
7



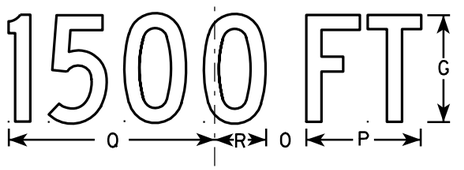
W20-2A



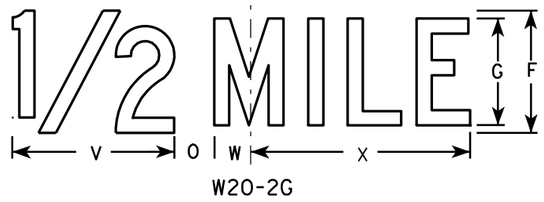
W20-2D



W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

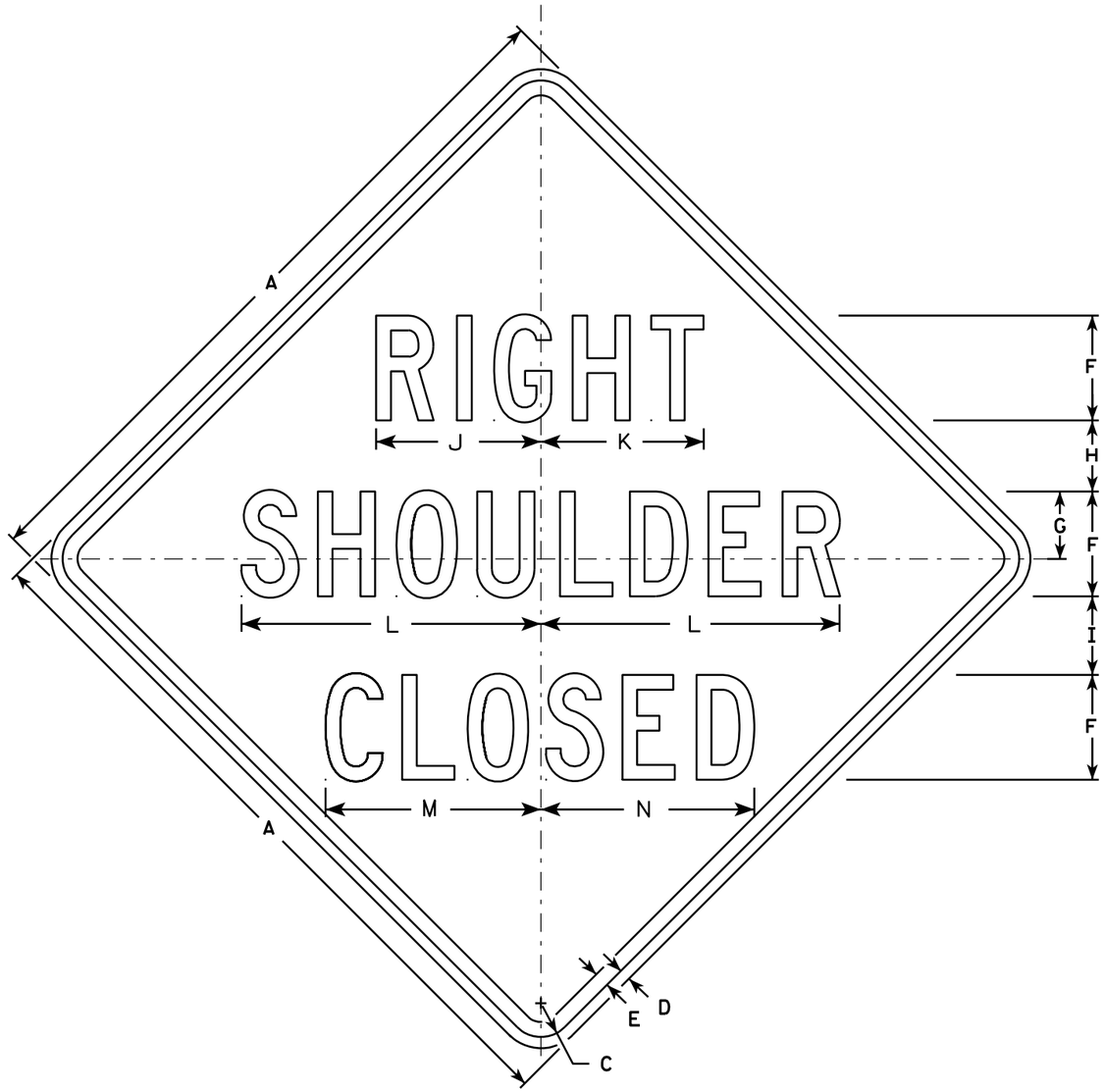
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

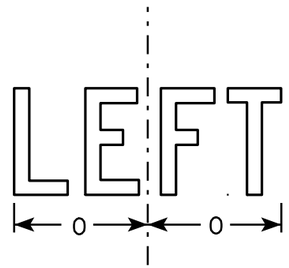
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 786	E



W21-5A

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.



W21-5AL

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	4	7 7/8	7 3/4	14 1/4	10 1/4	10 1/8	6 1/4												9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0

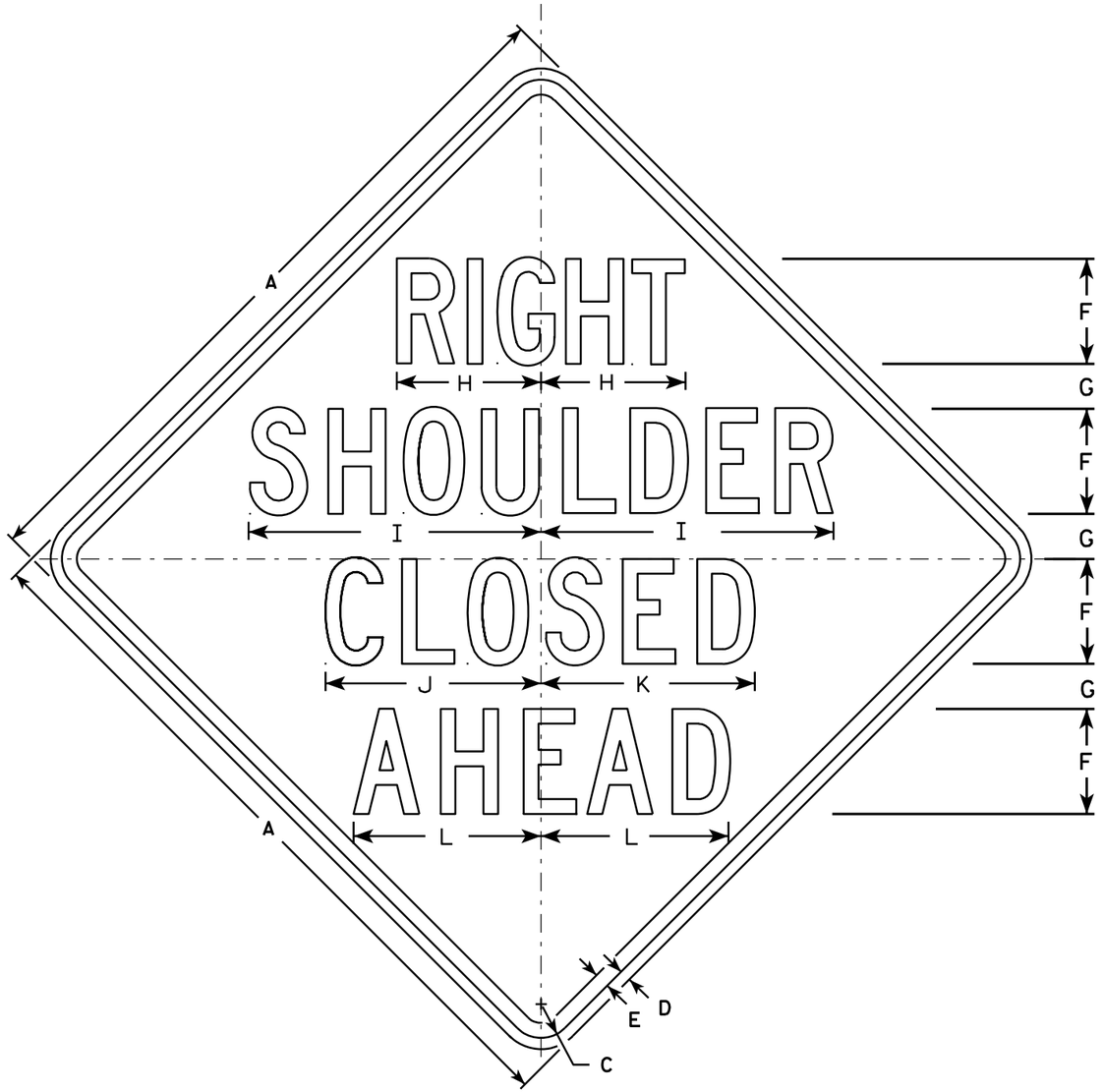
STANDARD SIGN
W21-5A

WISCONSIN DEPT OF TRANSPORTATION

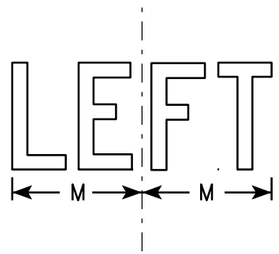
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5A.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 787 | E



W21-5B



W21-5BL

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.

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	2 1/4	7 3/8	14 1/4	10 1/4	10 1/8	8 7/8	6 1/4														9.0
2S	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
2M	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
3	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
4	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
5	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0

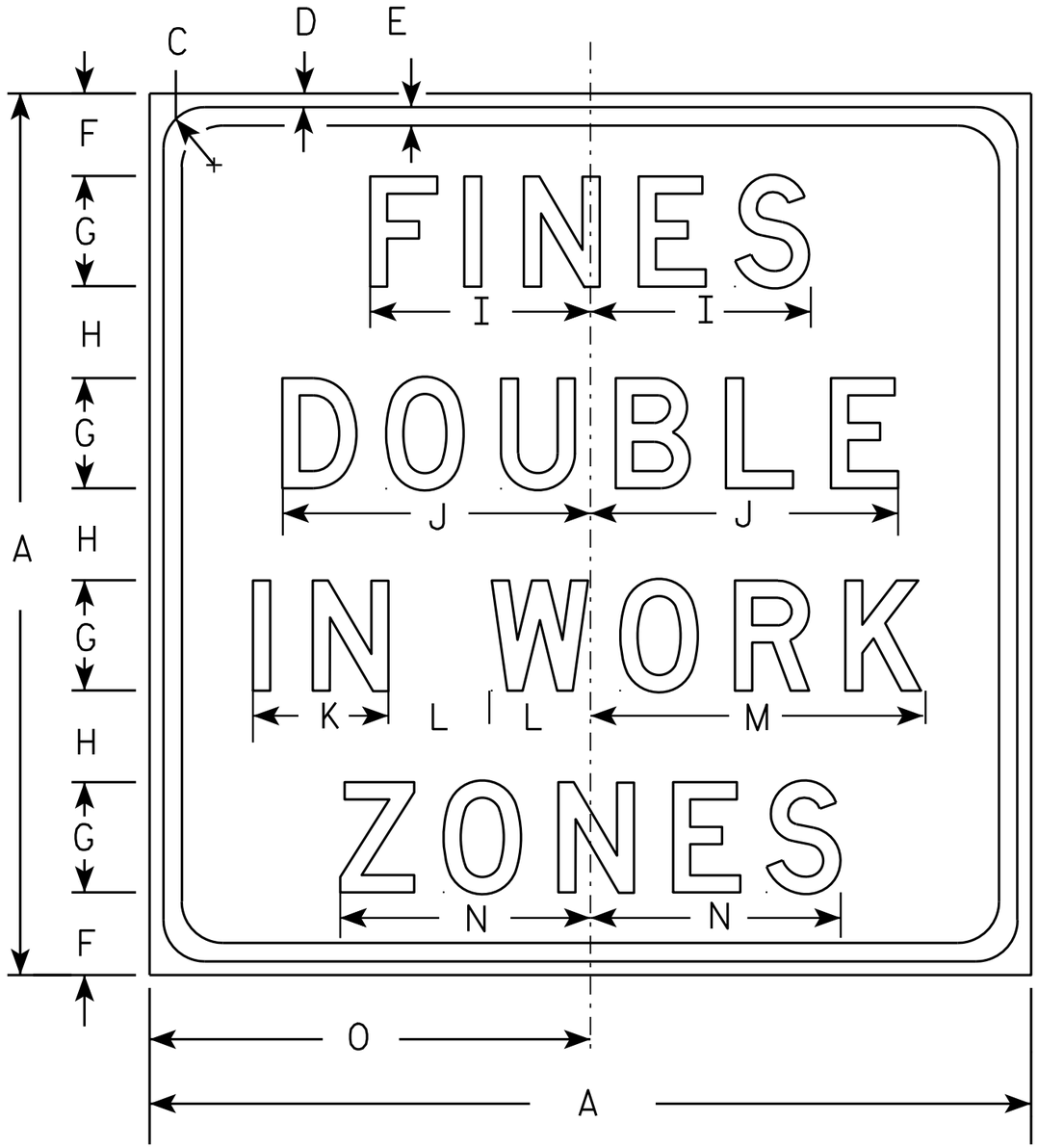
STANDARD SIGN
W21-5B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5B.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 788	E



W21-61

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 - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	2 1/4	3	2 1/2	6	8 3/8	3 3/4	2 3/4	9 1/8	6 7/8	12												4.0
2S	36		1 5/8	5/8	3/4	3 3/8	4 1/2	3 3/4	9	12 5/8	5 1/2	4 1/8	13 3/4	10 1/4	18												9.0
2M	36		1 5/8	5/8	3/4	3 3/8	4 1/2	3 3/4	9	12 5/8	5 1/2	4 1/8	13 3/4	10 1/4	18												9.0
3	48		2 1/4	3/4	1	4 1/2	6	5	12	16 3/4	7 3/8	5 1/2	18 1/4	13 5/8	24												16.0
4																											
5																											

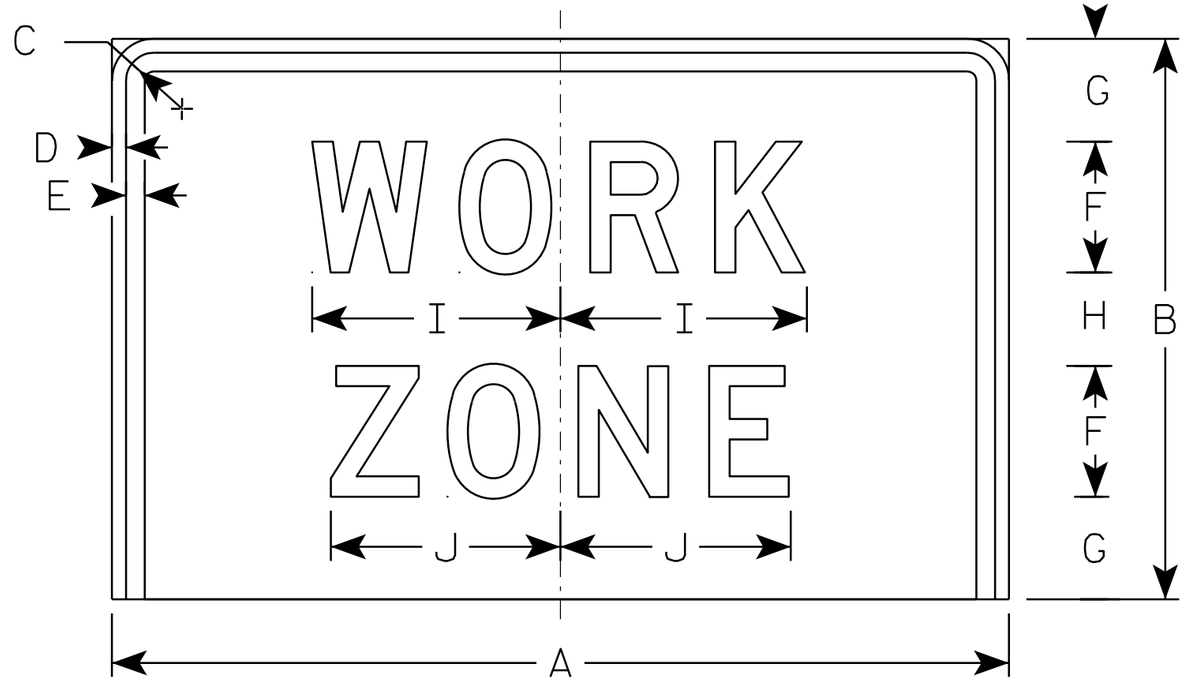
STANDARD SIGN
W21-61

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-61.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 789 | E



W21-620

NOTES

1. Sign is Type II - Type F - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	2 1/4	3/4	1	7	5 1/2	5	13 1/4	12 1/4																	10.0
2M	48	30	2 1/4	3/4	1	7	5 1/2	5	13 1/4	12 1/4																	10.0
3																											
4																											
5																											

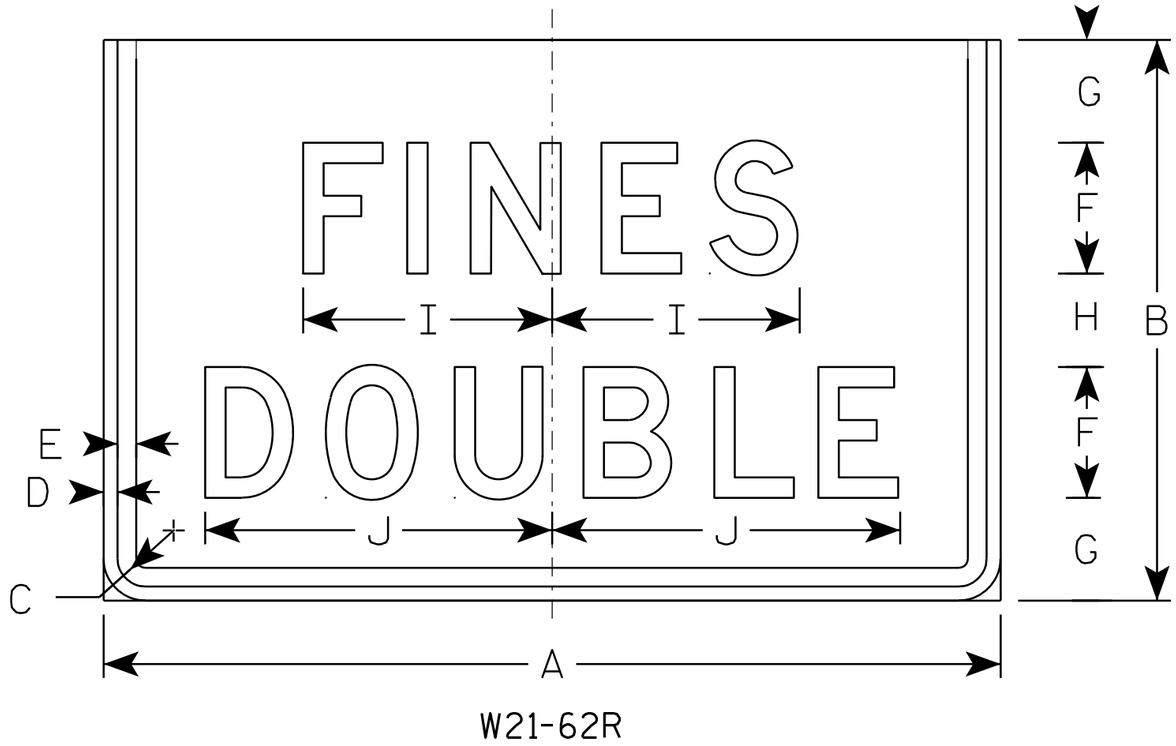
STANDARD SIGN
W21-620

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-620.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 790	E



W21-62R

NOTES

1. Sign is Type II - Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	2 1/4	3/4	1	7	5 1/2	5	13 1/4	18 5/8																	10.0
2M	48	30	2 1/4	3/4	1	7	5 1/2	5	13 1/4	18 5/8																	10.0
3																											
4																											
5																											

STANDARD SIGN
W21-62R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-62R.2

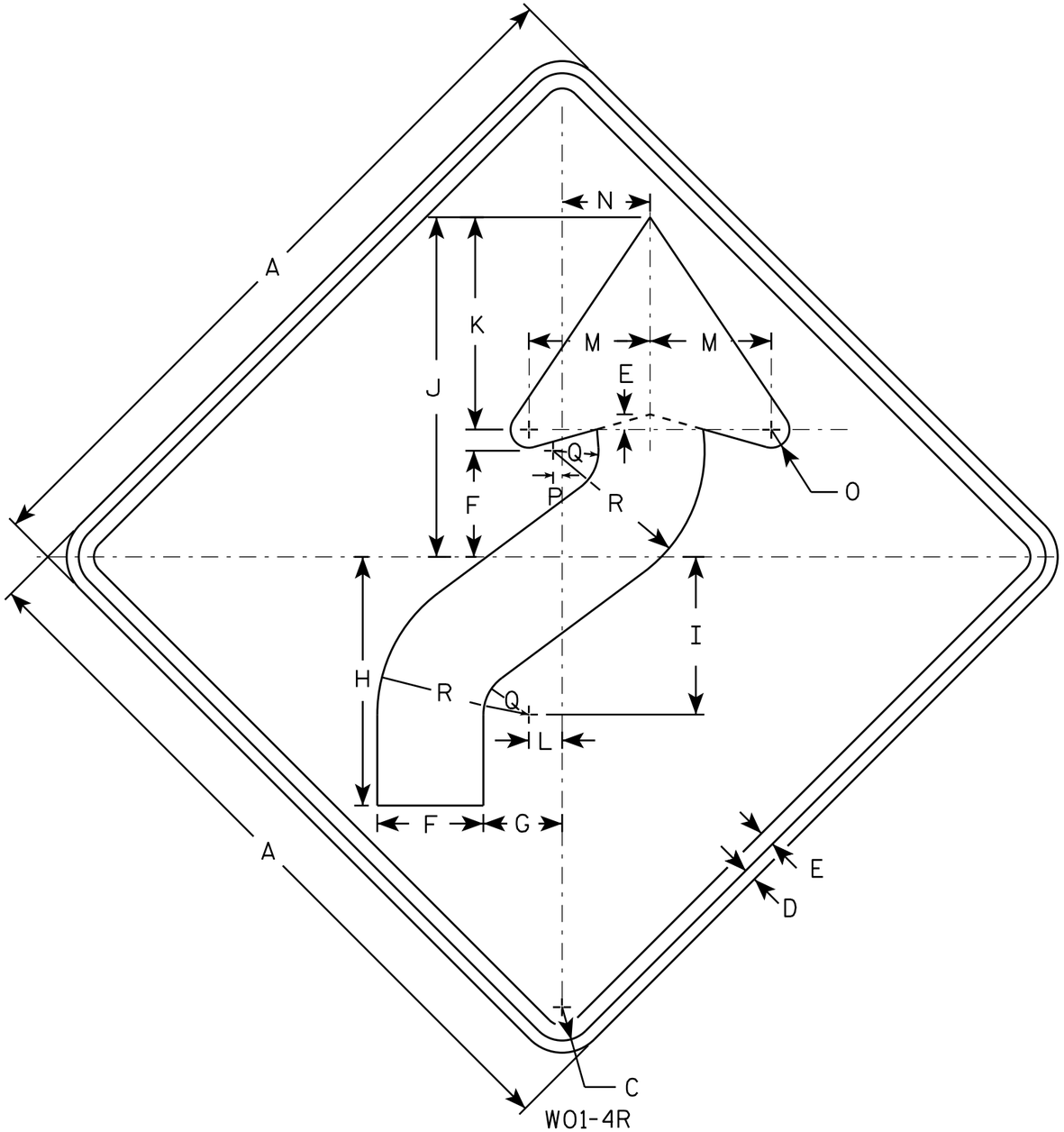
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 791	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W2162R.DGN PLOT DATE : 21-MAR-2011 10:51 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 8.108332:1.000000

WISDOT/CADDS SHEET 42

7

7



W01-4R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN
W01-4

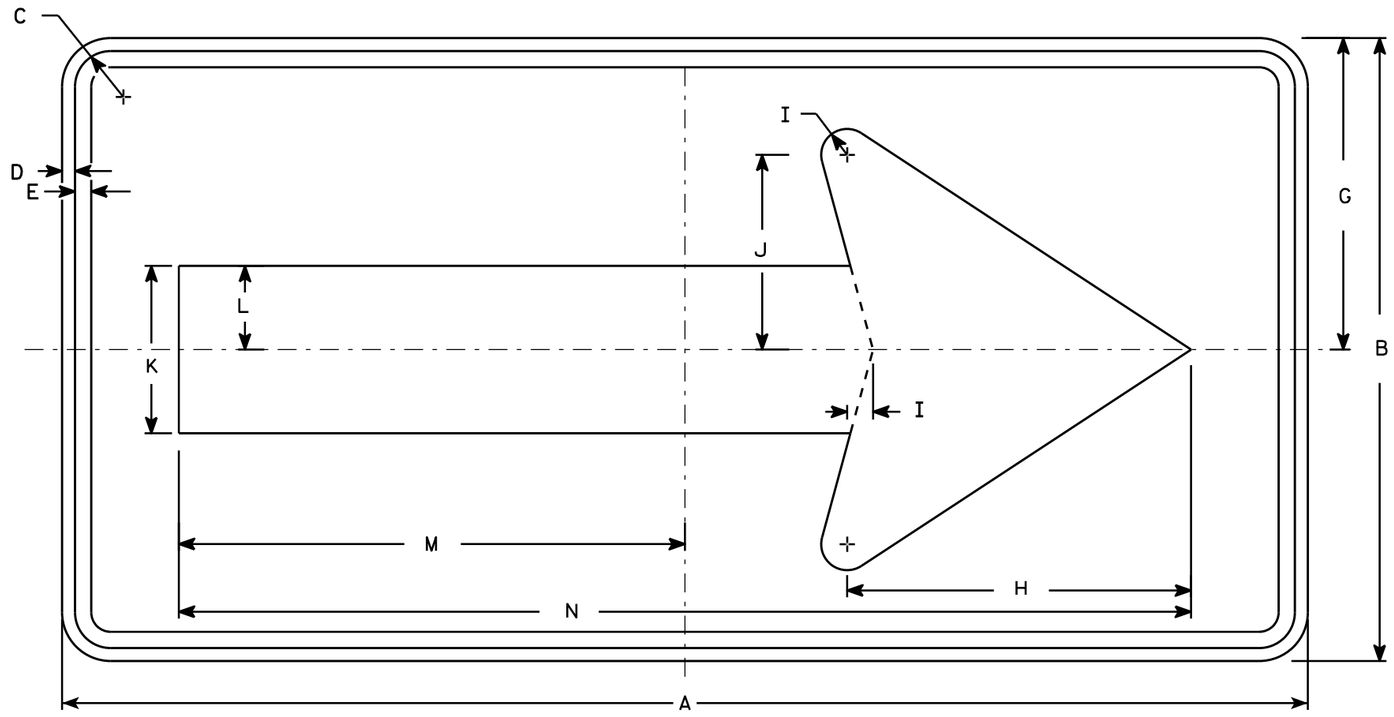
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-4.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000
WISDOT/CADDS SHEET 42



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

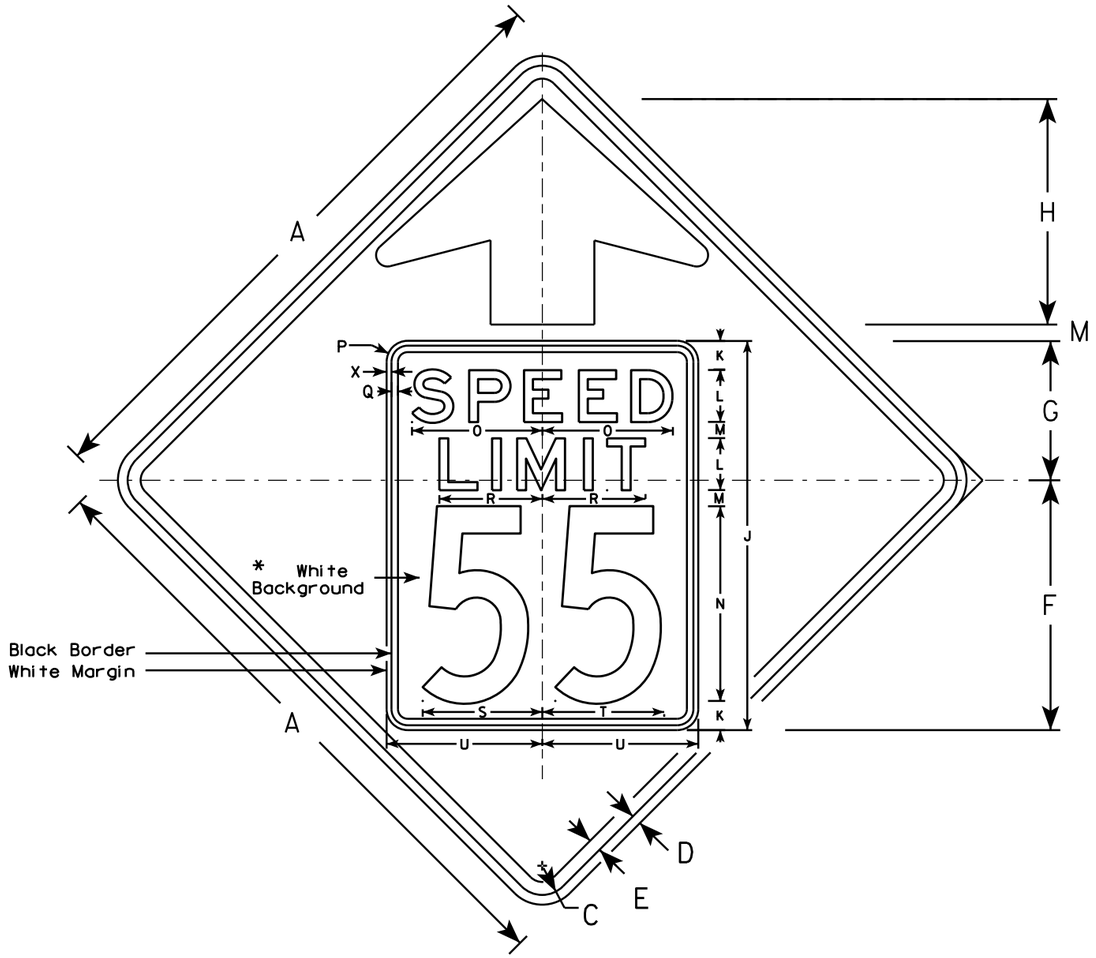
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42

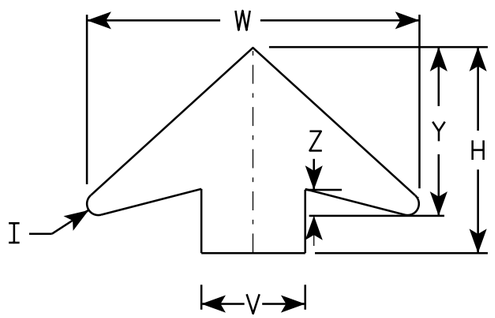


W03-5

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 for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2S	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
2M	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
3	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W03-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE W03-5.1

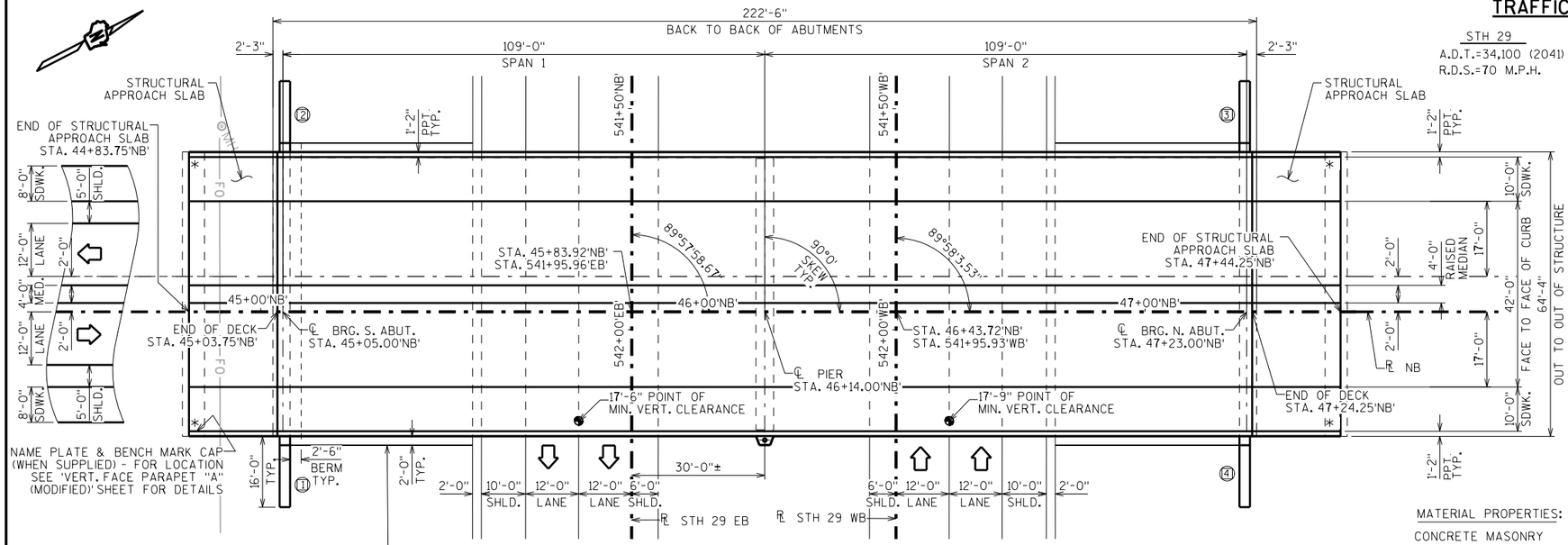
PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W035.DGN PLOT DATE : 20-NOV-2013 11:32 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

STATE PROJECT NUMBER

9200-10-71

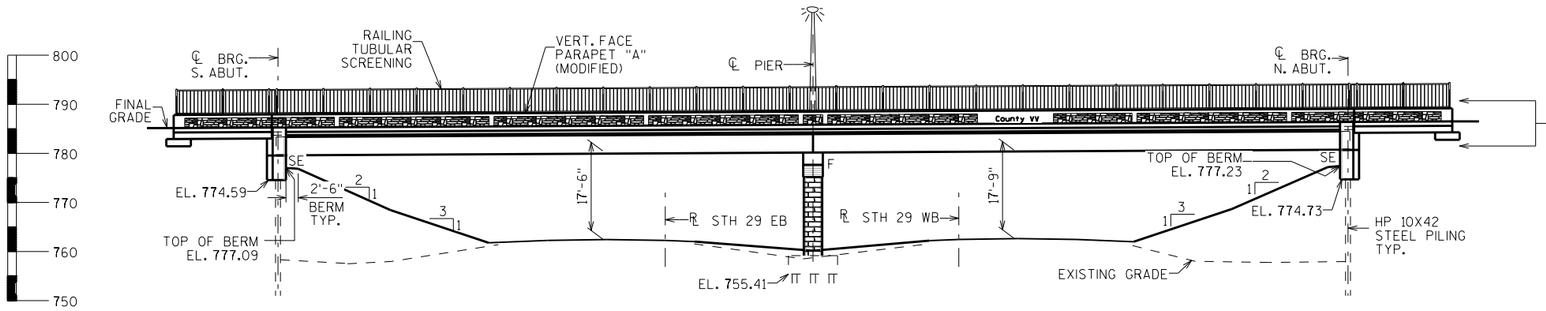


PLAN

2 SPAN - 45W" PRESTRESSED GIRDERS

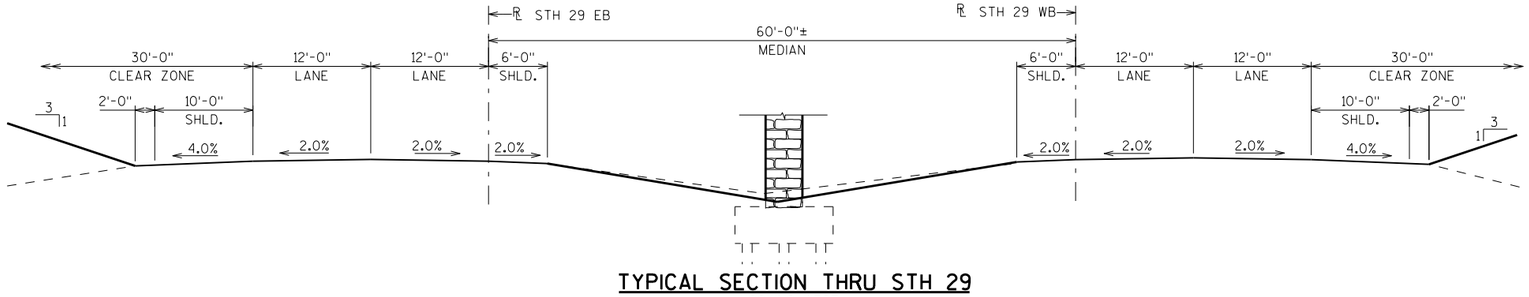
✳ PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

(1) INDICATES WING NUMBER



ELEVATION - LOOKING WEST

NORMAL TO STH 29



TYPICAL SECTION THRU STH 29

LOOKING WEST

TRAFFIC VOLUME

STH 29
A.D.T.=34,100 (2041)
R.D.S.=70 M.P.H.

CTH VV
A.D.T.=9,200 (2041)
R.D.S.=40 M.P.H.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON HP 10X42 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 180 TONS ✳✳PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
S. ABUT. ESTIMATED 70'-0" LONG.
N. ABUT. ESTIMATED 70'-0" LONG.

PIER TO BE SUPPORTED ON HP 10X42 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 180 TONS ✳✳PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED 75'-0" LONG.

✳✳ THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

DESIGN DATA

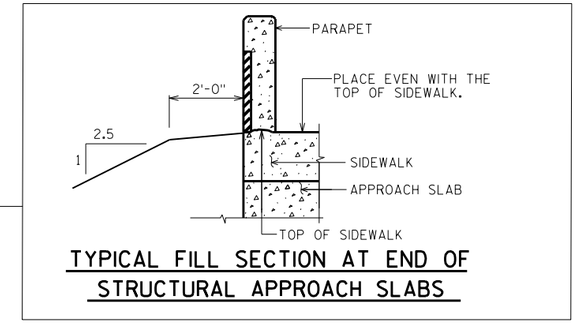
LIVE LOAD:

DESIGN LOADING; HL-93
INVENTORY RATING FACTOR: RF=1.15
OPERATING RATING FACTOR: RF=1.53
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 215 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY SLAB — 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.
45W-INCH PRESTRESSED GIRDERS, CONCRETE MASONRY — f'c = 8,000 P.S.I.
STRANDS- 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.



TYPICAL FILL SECTION AT END OF STRUCTURAL APPROACH SLABS

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4. SOUTH ABUTMENT
5. SOUTH ABUTMENT DETAILS
6. NORTH ABUTMENT
7. NORTH ABUTMENT DETAILS
8. PIER
9. 45W" PRESTRESSED GIRDER DETAILS 1
10. 45W" PRESTRESSED GIRDER DETAILS 2
11. STEEL DIAPHRAGM
12. SUPERSTRUCTURE
13. SUPERSTRUCTURE DETAILS 1
14. SUPERSTRUCTURE DETAILS 2
15. CONDUIT DETAILS
16. VERT. FACE PARAPET "A" (MODIFIED)
17. RAILING TUBULAR SCREENING
18. LIGHT ACCESS GATE DETAIL
19. SLOPE PAVING (CRUSHED AGGREGATE)
20. FENCING DETAILS
21. AESTHETICS
22. STRUCTURAL APPROACH SLAB
23. ALTERNATE CONSTRUCTION JOINT

STRUCTURE DESIGN CONTACTS:

STEVEN DOOCY (608) 261-6063
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED DMB 06/24/20
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-5-416

CTH VV ('NB') OVER STH 29

COUNTY	VILLAGE
BROWN	HOBART

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
SAD	JJS	SAD	JJS

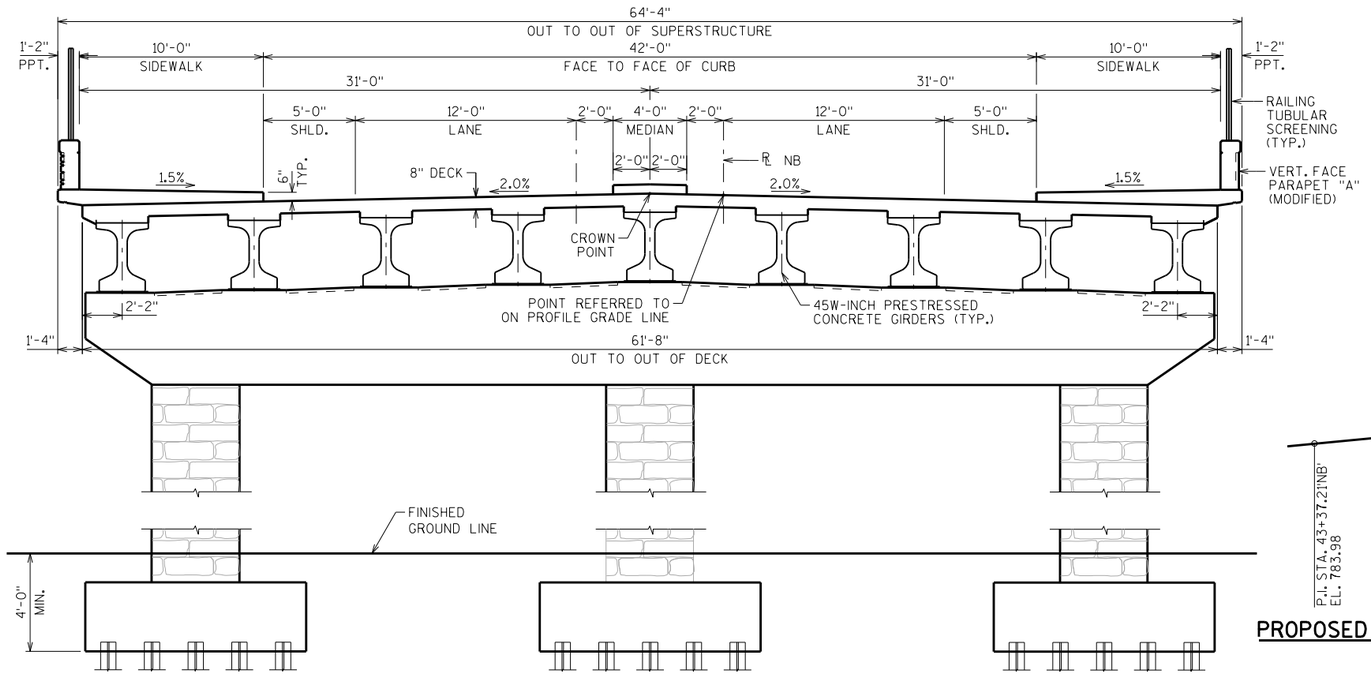
GENERAL PLAN

SHEET 1 OF 23

795

I.D. 9200-06-00B DATE: JUN. 2020

SCALE = 15.00



CROSS SECTION THRU ROADWAY

NORMAL TO ℄ OF ROADWAY LOOKING NORTH

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.

AT THE BACKFACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

THE GRADATION OF THE STRUCTURE BACKFILL SHALL MEET THE REQUIREMENTS OF SECTION 209.2.2 OF THE STANDARD SPECIFICATIONS FOR GRADE 1 MATERIAL.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK, SIDEWALK, AND MEDIAN SURFACES.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE ENTIRE THE FRONT FACE AND THE TOP OF THE PARAPET.

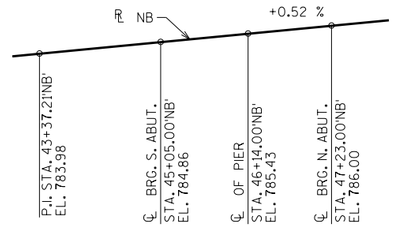
THE EXISTING GROUND LINE SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION AT THE PIERS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

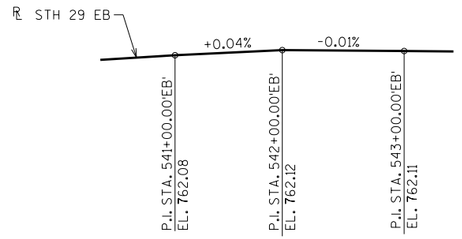
THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

STATE PROJECT NUMBER

9200-10-71

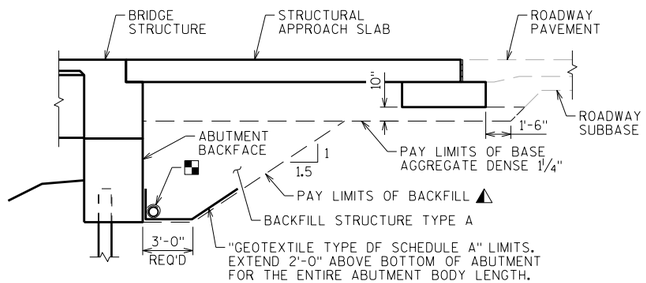


PROPOSED PROFILE GRADE LINE NB



EXISTING PROFILE GRADE LINE STH 29 EB

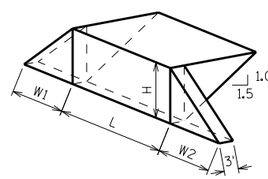
FOR INFORMATION ONLY



TYPICAL SECTION THRU ABUTMENT

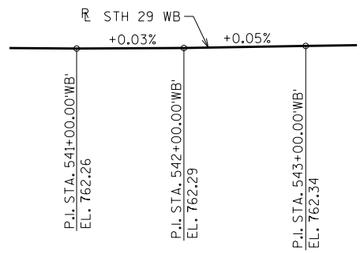
⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

▪ PIPE UNDERDRAIN WRAPPED (6 INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.



ABUTMENT BACKFILL DIAGRAM FOR WINGS PARALLEL TO ABUTMENT

L = OUT TO OUT OF ABUTMENT BODY (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
W1 = WING 1 LENGTH (FT)
W2 = WING 2 LENGTH (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) + (3.0')(0.5)(W1+W2)(H)
V_{CY} = V_{CF} (EF)/27
V_{TON} = V_{CY} (2.0)



EXISTING PROFILE GRADE LINE STH 29 WB

FOR INFORMATION ONLY

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER	SOUTH APPROACH	SOUTH ABUTMENT	PIER	NORTH ABUTMENT	NORTH APPROACH	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-5-416	LS	———	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	———	———	261	———	329	———	590
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	204	———	———	———	204	408
502.0100	CONCRETE MASONRY BRIDGES	CY	667	99	72	145	82	99	1,164
502.3200	PROTECTIVE SURFACE TREATMENT	SY	1,559	142	———	———	———	142	1,843
502.3210	PIGMENTED SURFACE SEALER	SY	183	17	———	———	———	17	217
503.0146	PRESTRESSED GIRDER TYPE I 45W-INCH	LF	1,969	———	———	———	———	———	1,969
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	0	0	3,890	3,300	4,230	0	11,420
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	128,920	15,760	1,760	18,550	1,930	15,760	182,680
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	2,210	———	———	———	———	———	2,210
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	36	———	———	———	———	———	36
506.4000	STEEL DIAPHRAGMS B-5-416	EACH	32	———	———	———	———	———	32
513.4091	RAILING TUBULAR SCREENING B-5-416	LF	441	40	———	———	———	40	521
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	16	———	16	--	32
517.1010.S	CONCRETE STAINING B-5-416	SF	5,014	27	82	837	83	27	6,070
517.1015.S	CONCRETE STAINING MULTI-COLOR B-5-416	SF	931	80	379	816	379	80	2,665
517.1050.S	ARCHITECTURAL SURFACE TREATMENT B-5-416	SF	931	80	379	816	379	80	2,665
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	———	———	910	3,375	980	———	5,265
604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	———	———	336	———	342	———	678
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	119	———	119	———	238
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	4	———	———	———	———	———	4
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	———	———	62	———	62	———	124
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	8	3	———	———	———	3	14
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	212	18	———	———	———	18	248
653.0222	JUNCTION BOXES 18X12X6-INCH	EACH	1	———	———	———	———	———	1
657.6005	ANCHOR ASSEMBLIES LIGHT POLES ON STRUCTURES	EACH	1	———	———	———	———	———	1
SPV.0090	FENCE CHAIN LINK POLYMER COATED 6-FT - B-5-416	LF	———	———	32	———	32	———	64
	NON-BID ITEMS								
	FILLER	SIZE	———	———	———	———	———	———	½", ¾", & 1½"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-5-416

DRAWN BY SAD | PLANS CK'D. JJS

CROSS SECTION & QUANTITIES

SHEET 2

796

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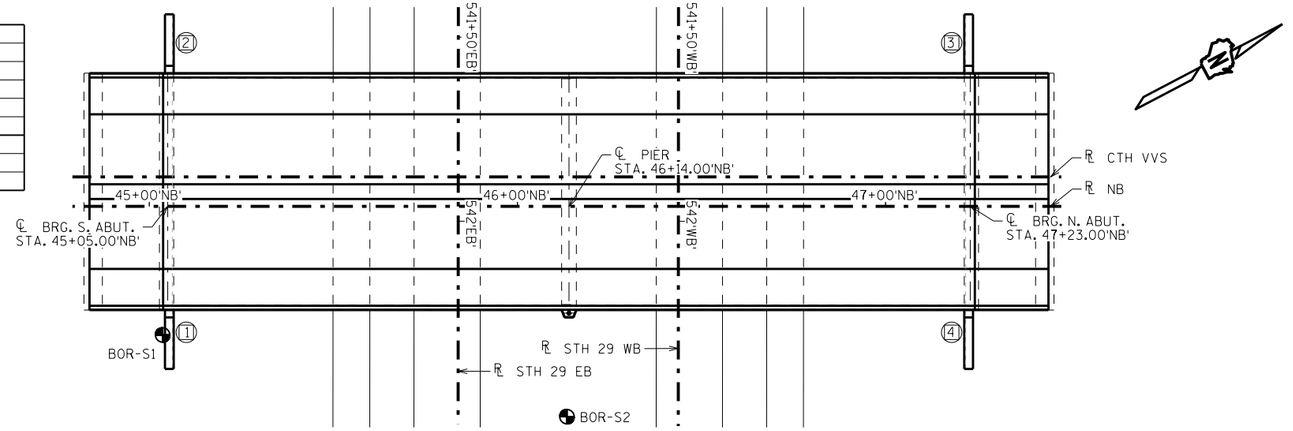
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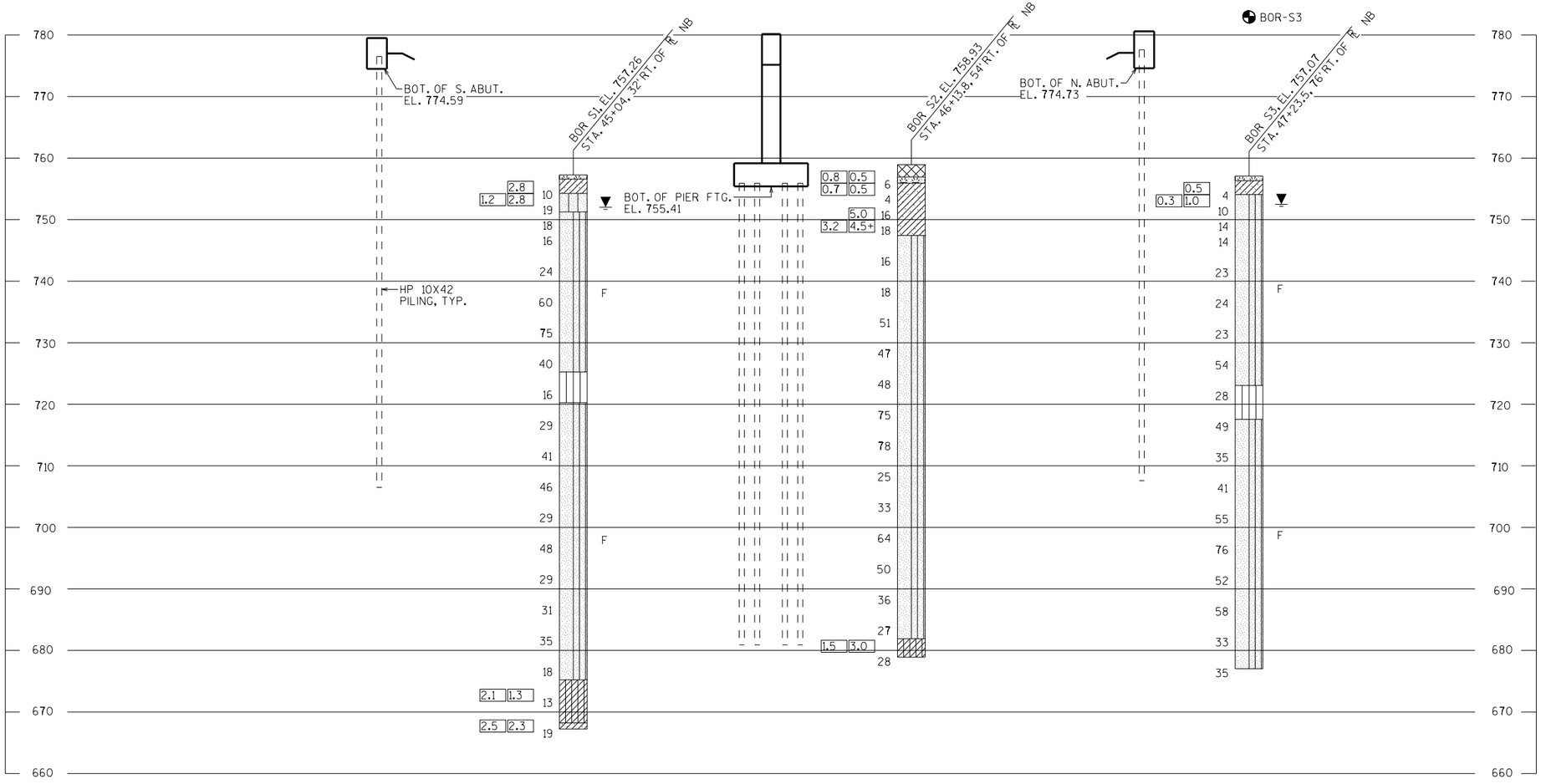
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SHAWANO - GREEN BAY
CTH VV OVER STH 29

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
S1	6/14/2011	589793.8	58837.5
S2	6/9/2011	589880	58909.1
S3	6/13/2011	589966.1	58980.6
BORINGS COMPLETED BY: SOILS & ENGINEERING SERVICES			
REPORT COMPLETED BY: SOILS & ENGINEERING SERVICES			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) BROWN COUNTY			

INDICATES WING NUMBER





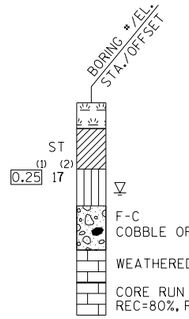
STATE PROJECT NUMBER

9200-10-71

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-5-416

DRAWN BY PR/SAD | PLANS CK'D. JJS

SUBSURFACE EXPLORATION

SHEET 3

797

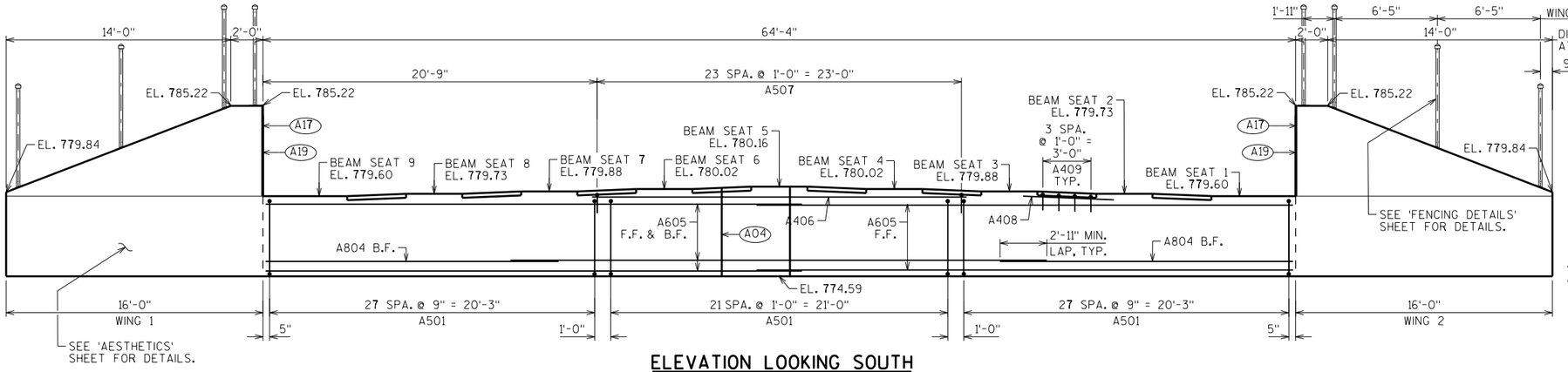
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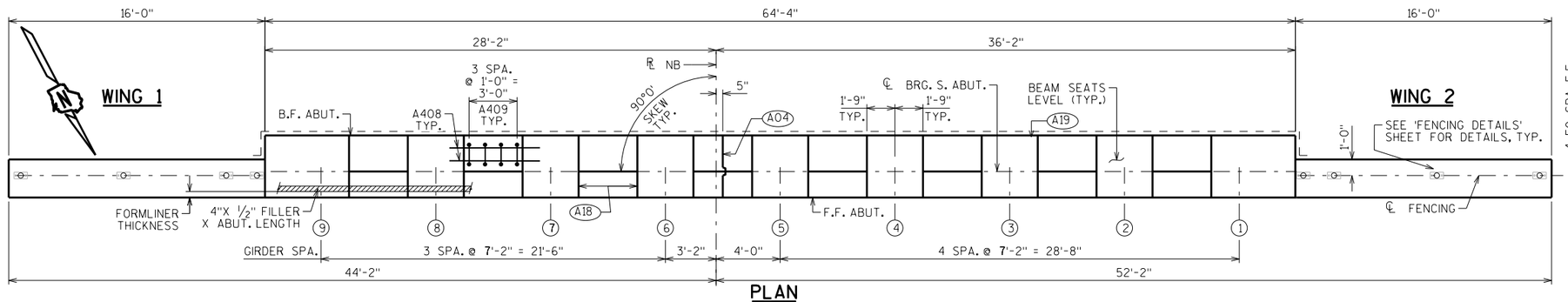
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STATE PROJECT NUMBER

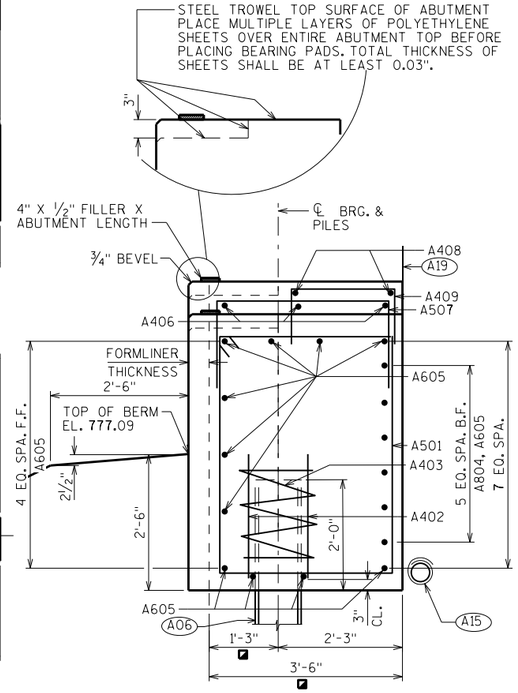
9200-10-71



ELEVATION LOOKING SOUTH

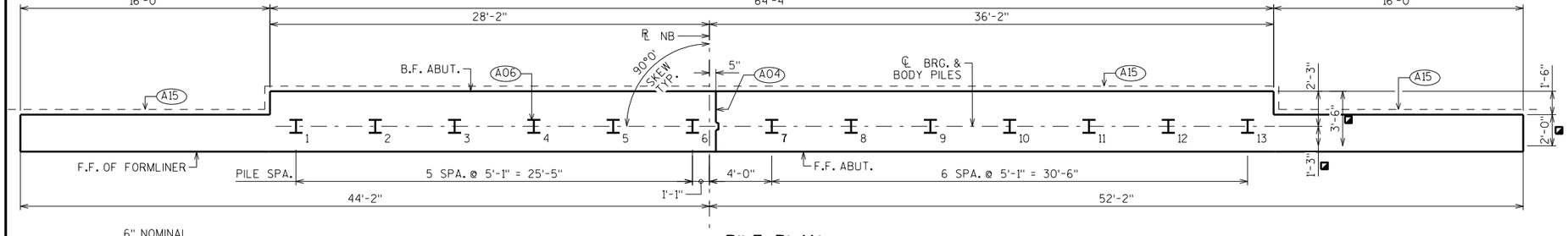


PLAN

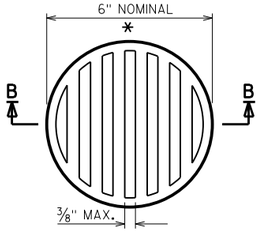


SECTION THRU BODY

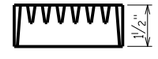
▣ DIMENSION DOES NOT INCLUDE FORMLINER THICKNESS. FOR FORMLINER DETAILS SEE "AESTHETICS" SHEET.



PILE PLAN



RODENT SHIELD DETAIL

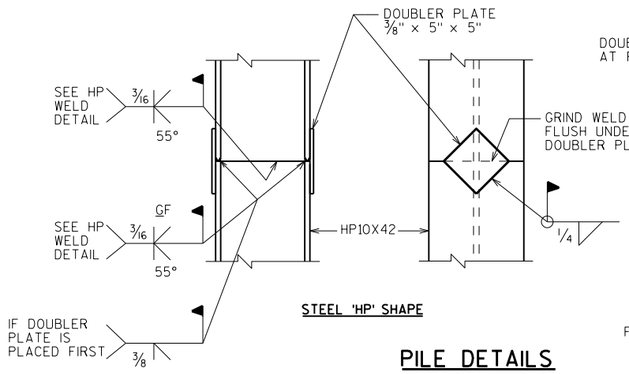


SECTION B-B

✳ DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

(A04) VERT. CONSTRUCTION JOINT: KEYWAY FORMED BY A BEVELED 2 x 8. 3/4" "V" GROOVE @ THE FRONT FACE AND 18" R.M.W. @ BACKFACE. FOR ALTERNATIVE DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A06) SUPPORT ABUTMENT ON HP 10 x 42 STEEL PILING, ESTIMATED 70'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-5-416

DRAWN BY: SAD | PLANS CK'D.: JJS

SOUTH ABUTMENT

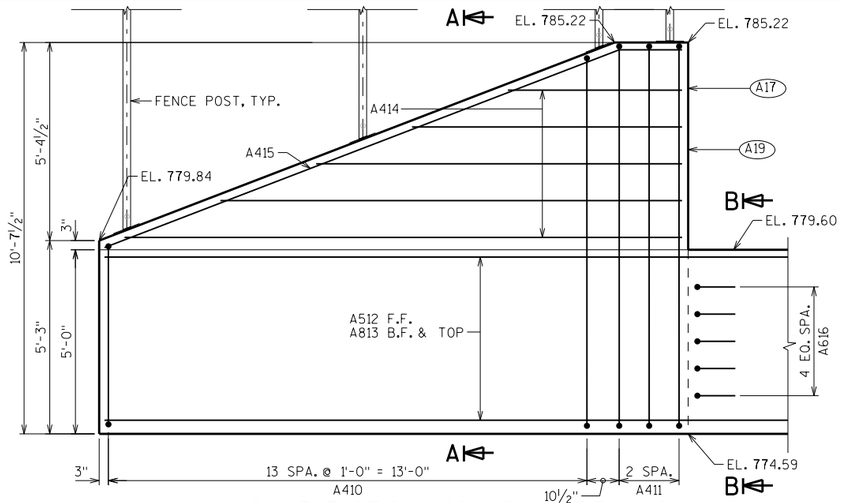
SHEET 4

798

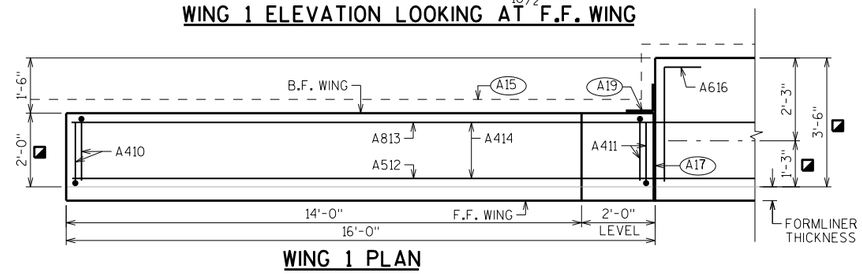
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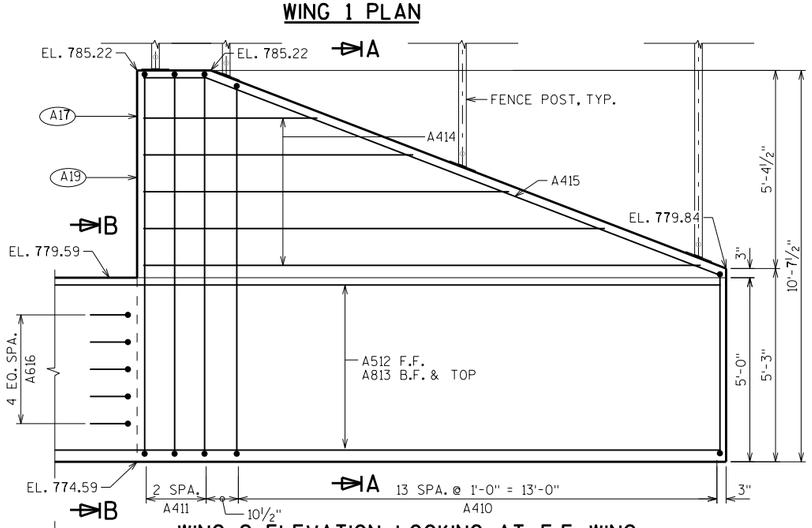
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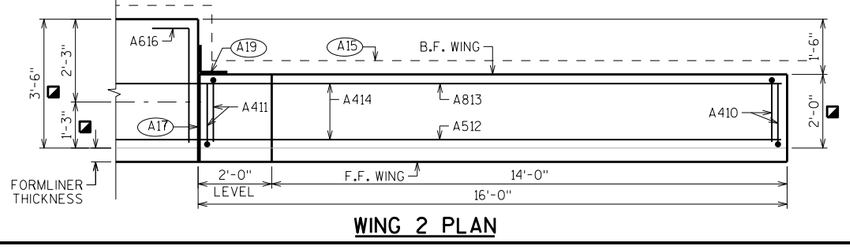
WING 1 ELEVATION LOOKING AT F.F. WING



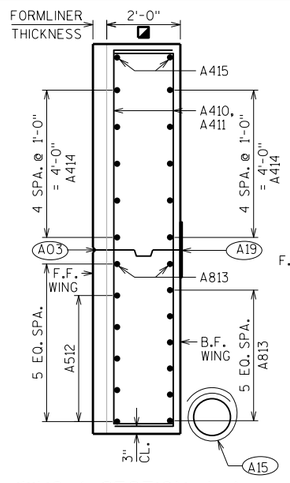
WING 1 PLAN



WING 2 ELEVATION LOOKING AT F.F. WING

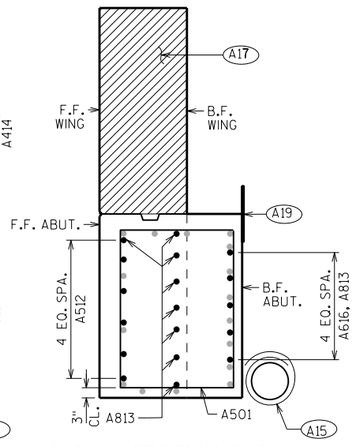


WING 2 PLAN



WING 1 SECTION A-A

THRU WING BODY



WING 1 SECTION B-B

THRU END OF ABUTMENT

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

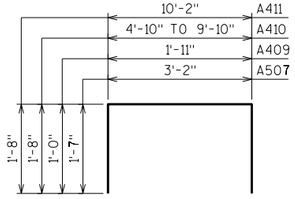
	BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
	A501		78	15'-8"	X		BODY-STIRRUPS
	A402		26	2'-3"			PILES-2 PER PILE
	A403		13	28'-0"	X		PILES-1 PER PILE
	A804		12	18'-3"			BODY-HORIZ.-B.F.
	A605		28	33'-5"			BODY-HORIZ.-F.F. AND B.F.
	A406		3	23'-4"			BODY-HORIZ.-UNDER GIRDERS 4-6
	A507		24	6'-1"	X		BODY-VERT.-UNDER GIRDERS 4-6
	A408		16	5'-8"			BODY-HORIZ.-BETWEEN BEAM SEATS
	A409		32	3'-9"	X		BODY-VERT.-BETWEEN BEAM SEATS
◭	A410	X	56	10'-6"	X	◭	WING-VERT. - WINGS 1& 2
	A411	X	12	13'-4"	X		WING-VERT. - WINGS 1& 2
	A512	X	10	17'-7"			WING-HORIZ.-F.F. - WINGS 1& 2
	A813	X	16	19'-6"			WING-HORIZ.-B.F. - WINGS 1& 2
◭	A414	X	20	9'-11"		◭	WING-HORIZ.-F.F. AND B.F. - WINGS 1& 2
	A415	X	4	16'-3"	X		WING-HORIZ.-TOP - WINGS 1& 2
	A616	X	10	4'-0"	X		BODY-HORIZ.-ENDS

◭ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

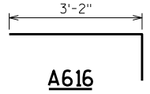
MARK	NO. REQD.	LENGTH
A410	4 SERIES OF 14	8'-0" TO 13'-0"
A414	4 SERIES OF 5	4'-8" TO 15'-1"

BUNDLE AND TAG EACH SERIES SEPARATELY.

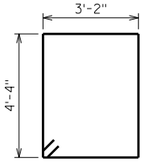


A507, A409, A410, A411

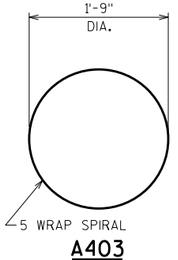
A415



A616



A501



A403

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 × 6. (18" R.M.W. @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED) INCIDENTAL TO "CONCRETE MASONRY BRIDGES".

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

◪ DIMENSION DOES NOT INCLUDE FORMLINER THICKNESS. FOR FORMLINER DETAILS SEE "AESTHETICS SHEET".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-5-416

DRAWN BY SAD | PLANS CK'D. JJS

SOUTH ABUTMENT DETAILS

SHEET 5

799

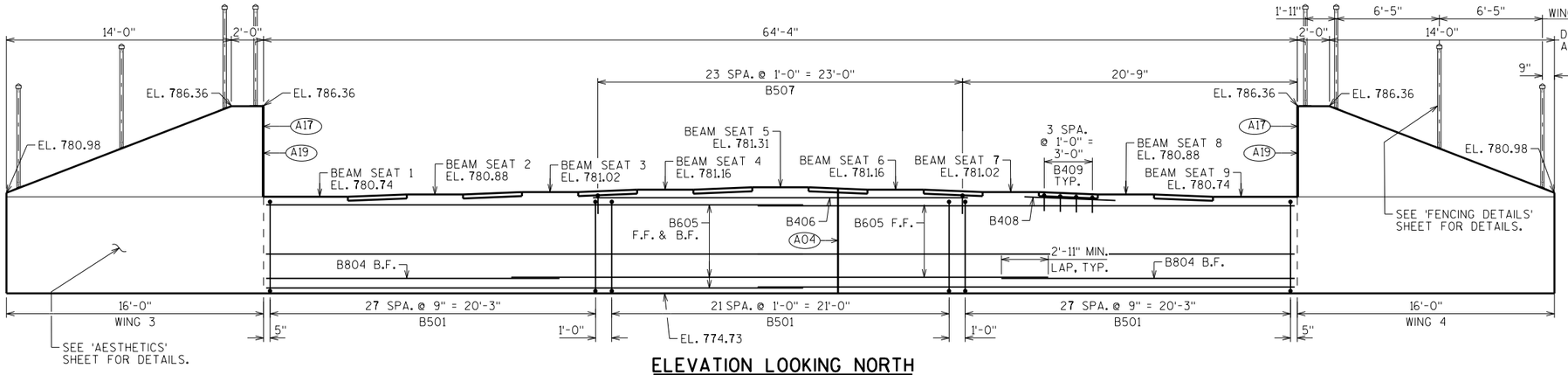
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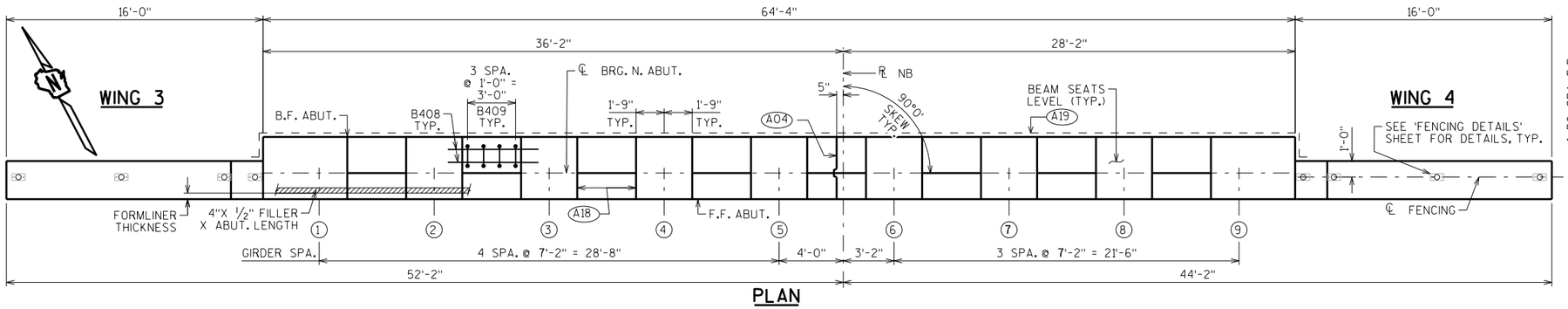
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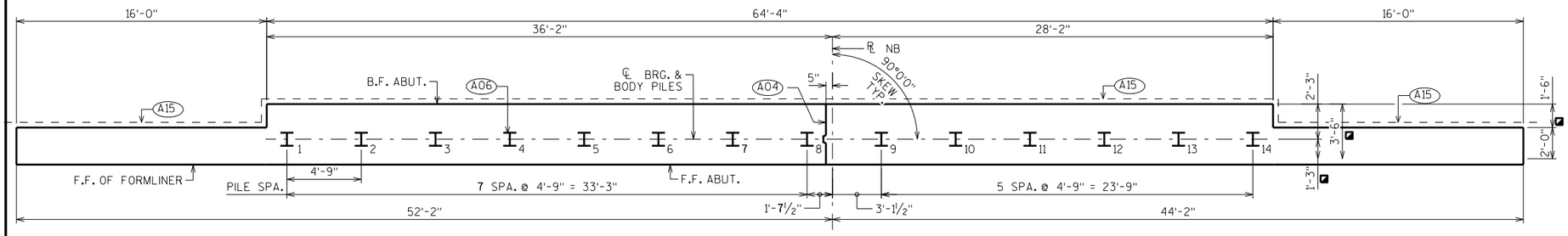
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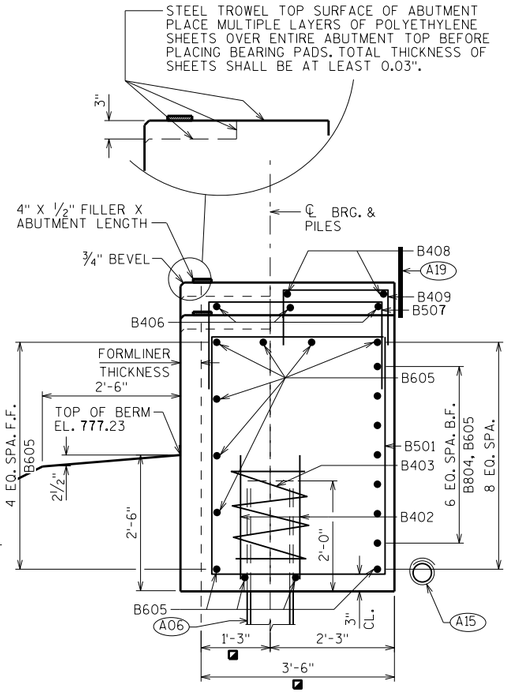
ELEVATION LOOKING NORTH



PLAN

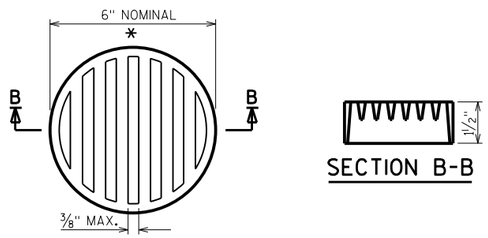


PILE PLAN



SECTION THRU BODY

▣ DIMENSION DOES NOT INCLUDE FORMLINER THICKNESS. FOR FORMLINER DETAILS SEE "AESTHETICS" SHEET.



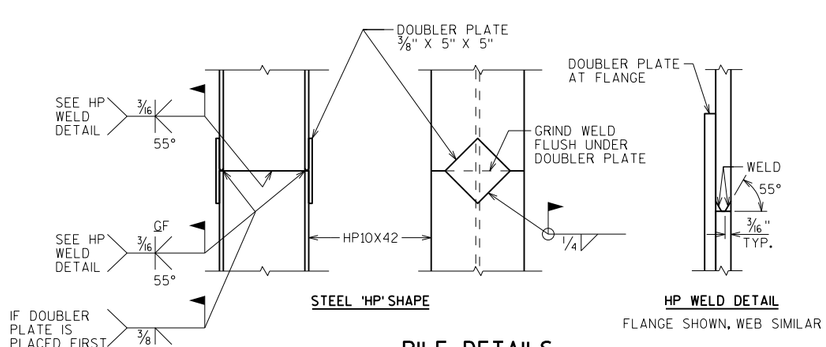
RODENT SHIELD DETAIL

SECTION B-B

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THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

(A04) VERT. CONSTRUCTION JOINT: KEYWAY FORMED BY A BEVELED 2 x 8. 3/4" "V" GROOVE @ THE FRONT FACE AND 18" R.M.W. @ BACKFACE. FOR ALTERNATE DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A06) SUPPORT ABUTMENT ON HP 10 x 42 STEEL PILING, ESTIMATED 70'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-5-416

DRAWN BY SAD | PLANS CK'D. JJS

NORTH ABUTMENT

SHEET 6

800

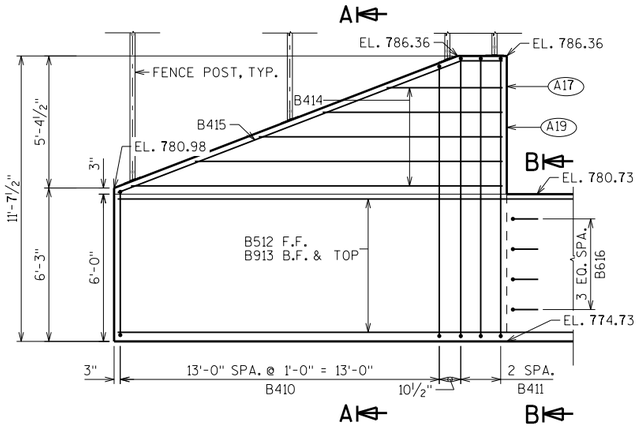
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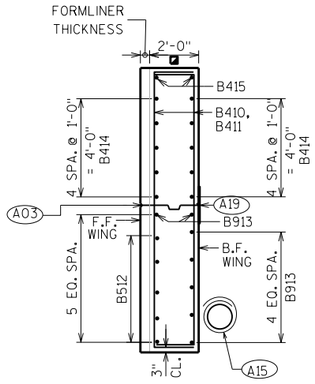
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STATE PROJECT NUMBER

9200-10-71

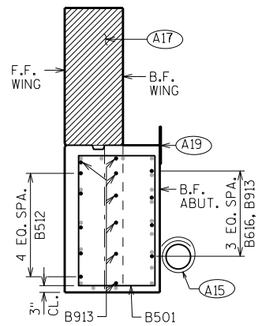


WING 3 ELEVATION LOOKING AT F.F. WING



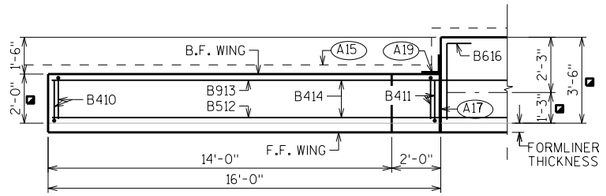
WING 3 SECTION A-A

THRU WING BODY

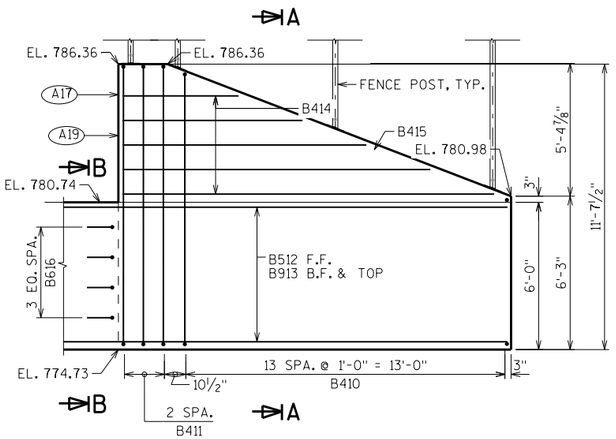


WING 3 SECTION B-B

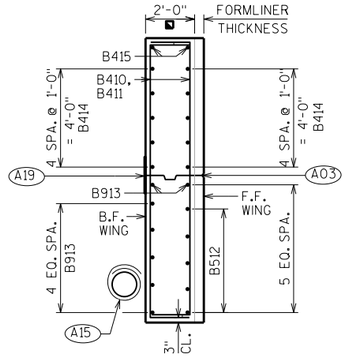
THRU END OF ABUTMENT



WING 3 PLAN

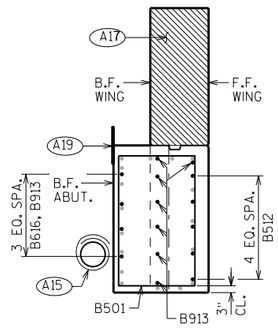


WING 4 ELEVATION LOOKING AT F.F. WING



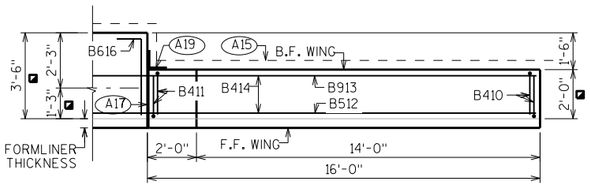
WING 4 SECTION A-A

THRU WING BODY



WING 4 SECTION B-B

THRU END OF ABUTMENT



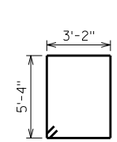
WING 4 PLAN

BILL OF BARS

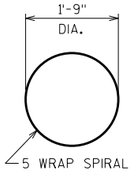
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

	BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
	B501		78	17'-8"	X		BODY-STIRRUPS
	B402		28	2'-3"			PILES-2 PER PILE
	B403		14	28'-0"	X		PILES-1 PER PILE
	B804		14	18'-3"			BODY-HORIZ.-B.F.
	B605		29	33'-8"			BODY-HORIZ.-F.F. AND B.F.
	B406		3	23'-4"			BODY-HORIZ.-UNDER GIRDERS 4-6
	B507		24	6'-1"	X		BODY-VERT.-UNDER GIRDERS 4-6
	B408		16	5'-8"			BODY-HORIZ.-BETWEEN BEAM SEATS
	B409		32	3'-9"	X		BODY-VERT.-BETWEEN BEAM SEATS
◭	B410	X	56	11'-6"	X	◭	WING-VERT. - WINGS 3 & 4
	B411	X	12	14'-4"	X		WING-VERT. - WINGS 3 & 4
	B512	X	10	17'-7"			WING-HORIZ.-F.F. - WINGS 3 & 4
	B913	X	14	20'-5"			WING-HORIZ.-B.F. - WINGS 3 & 4
◭	B414	X	20	9'-11"		◭	WING-HORIZ.-F.F. AND B.F. - WINGS 3 & 4
	B415	X	4	16'-3"	X		WING-HORIZ.-TOP - WINGS 3 & 4
	B616	X	8	4'-0"	X		BODY-HORIZ.-ENDS

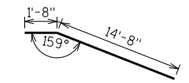
◭ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.



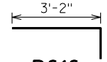
B501



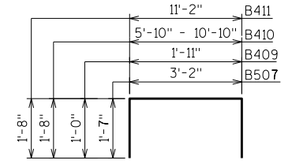
B403



B415



B616



B507, B409, B410, B411

BAR SERIES TABLE

MARK	NO. REQD.	LENGTH
B410	4 SERIES OF 14	9'-0" TO 14'-0"
B414	4 SERIES OF 5	4'-8" TO 15'-1"

BUNDLE AND TAG EACH SERIES SEPARATELY.

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" R.M.W. @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

◪ DIMENSION DOES NOT INCLUDE FORMLINER THICKNESS. FOR FORMLINER DETAILS SEE "AESTHETICS SHEET".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-5-416

DRAWN BY JJS | PLANS CK'D. JJS

NORTH ABUTMENT DETAILS

SHEET 7

801

SCALE = 3.00

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8

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NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BILL OF BARS

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
P801		45	12'-8"			FOOTING - HORIZ.
P802		57	11'-8"			FOOTING - HORIZ.
P903	X	68	11'-3"	X		COLUMN/FOOTING - VERT.
P504	X	198	10'-6"	X		COLUMN - STIRRUP
P905	X	68	20'-0"			COLUMN - VERT.
P1106	X	20	32'-11"			CAP - HORIZ. - BOT.
P507	X	8	31'-0"			CAP - HORIZ. - SIDES
P508	X	12	31'-11"			CAP - HORIZ. - SIDES
P709	X	16	24'-6"	X		CAP - HORIZ. - TOP - END
P1110	X	8	25'-0"			CAP - HORIZ. - TOP - MID.
P511	X	140	15'-0"	X		CAP - STIRRUP
◭ P512	X	32	12'-7"	X	◭	CAP - STIRRUP - END
P613	X	8	10'-7"	X		CAP - VERT. - ENDS
P514	X	12	6'-9"	X		CAP - HORIZ. - ENDS
P415	X	4	25'-4"			CAP-HORIZ.-UNDER BEAMS 4-6
P516	X	26	6'-8"	X		CAP-VERT.-UNDER BEAMS 4-6
P517	X	32	2'-0"			DOWEL BARS

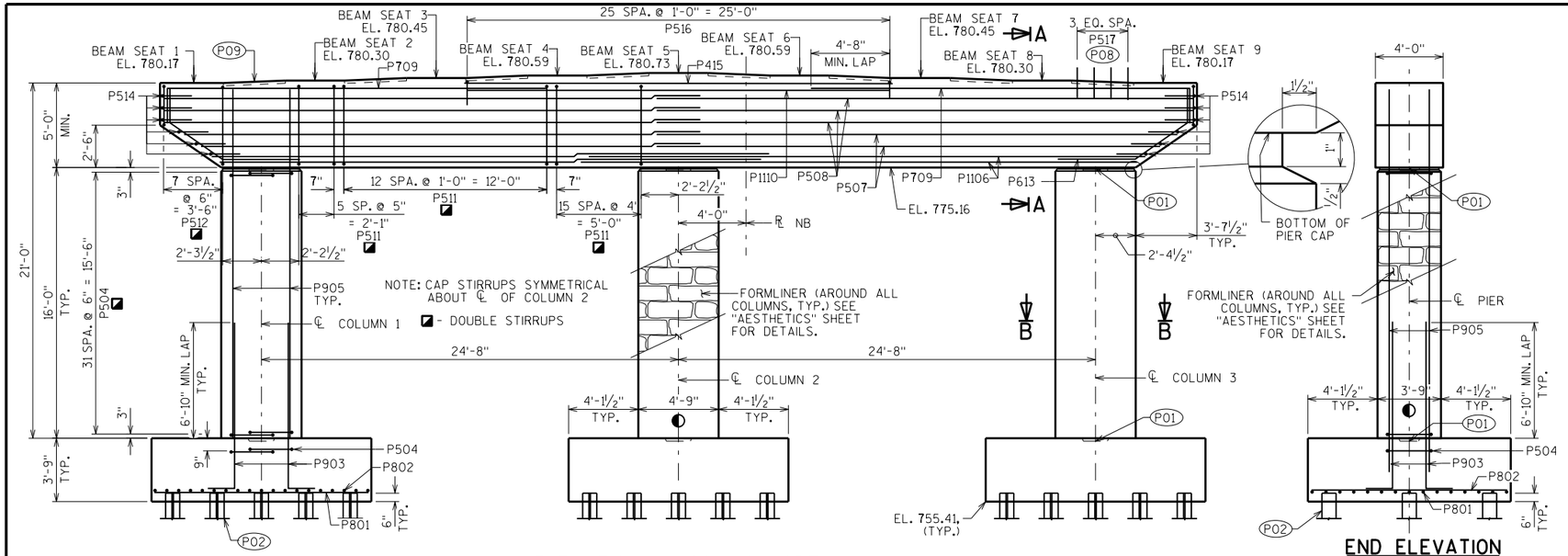
◭ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

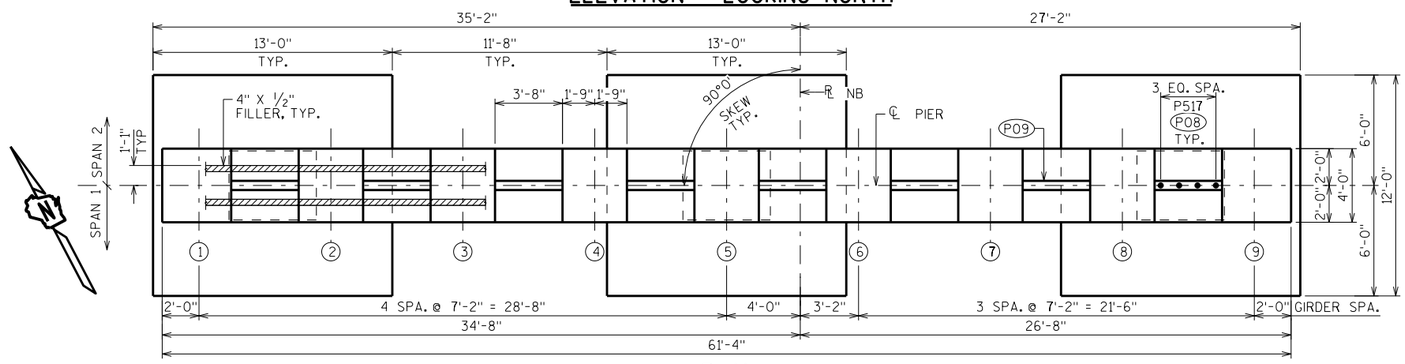
◭ BAR SERIES TABLE

MARK	NO. REQD.	LENGTH
P512	4 SERIES OF 8	10'-2" TO 15'-0"

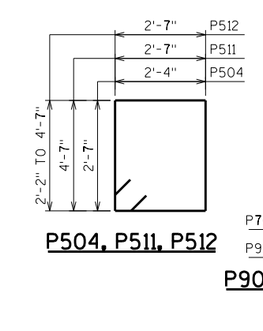
BUNDLE AND TAG EACH SERIES SEPARATELY.

ELEVATION - LOOKING NORTH

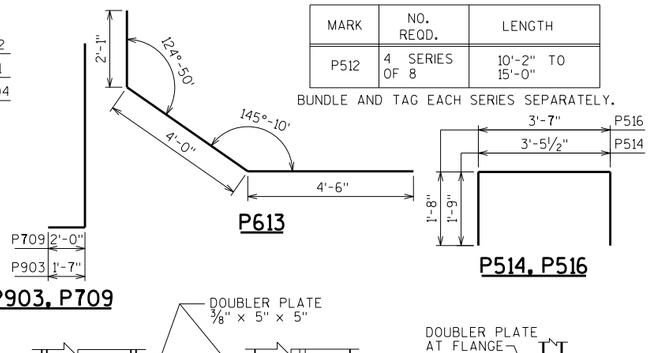




PLAN



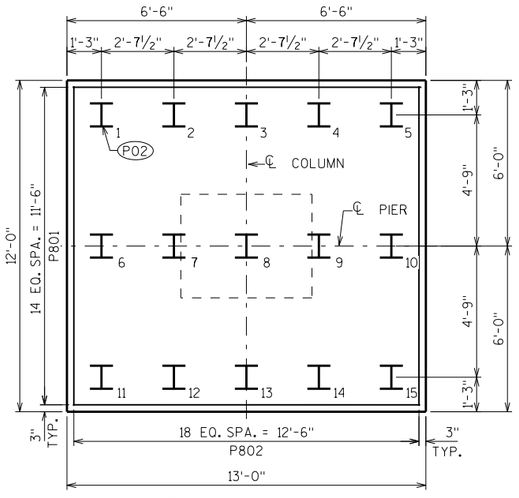
P504, P511, P512



P613

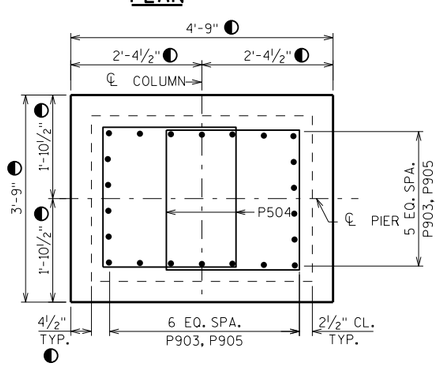
P514, P516

P903, P709



FOOTING/PILE PLAN

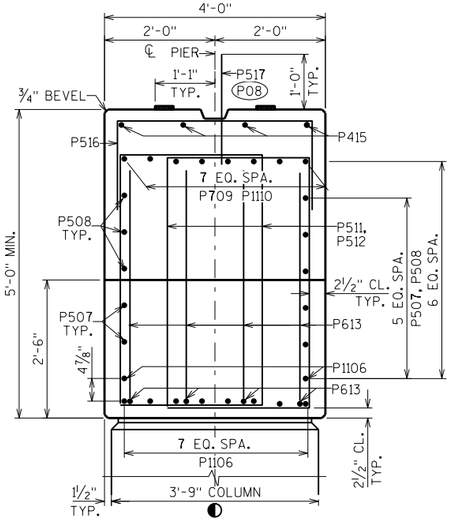
TYPICAL AT ALL FOOTINGS



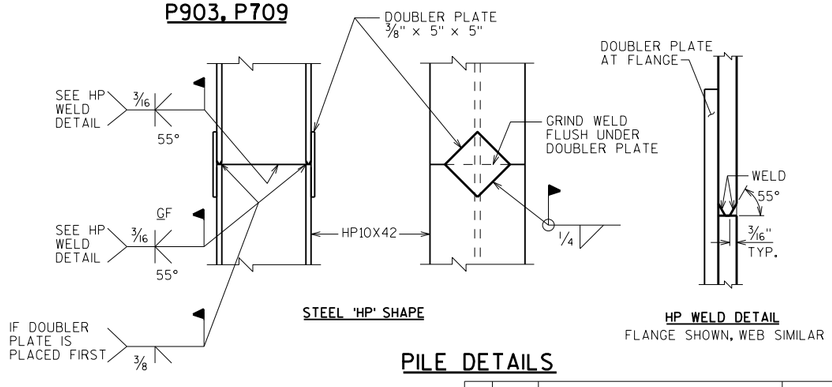
SECTION B-B: COLUMN

TYPICAL FOR ALL COLUMNS

◐ INCLUDES FORMLINER THICKNESS SEE 'AESTHETICS' SHEET FOR DETAILS



SECTION A-A: CAP



STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

(P01) 1'-3" X 2'-0" X 4" CONSTRUCTION JOINT FORMED BY BEVELED KEYWAY.

(P02) SUPPORT PIER ON HP 10 X 42 STEEL PILING, ESTIMATED 75'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE.

(P08) P517 BARS @ 1'-0" CTRS. BETWEEN BEAM SEATS. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P09) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2 X 6 BETWEEN BEAM SEATS.

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PIER

SHEET 8

802

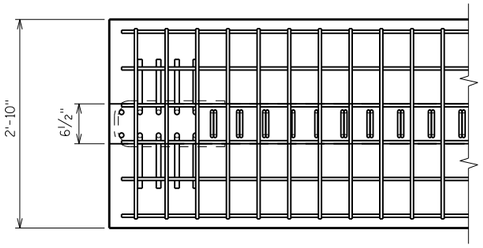
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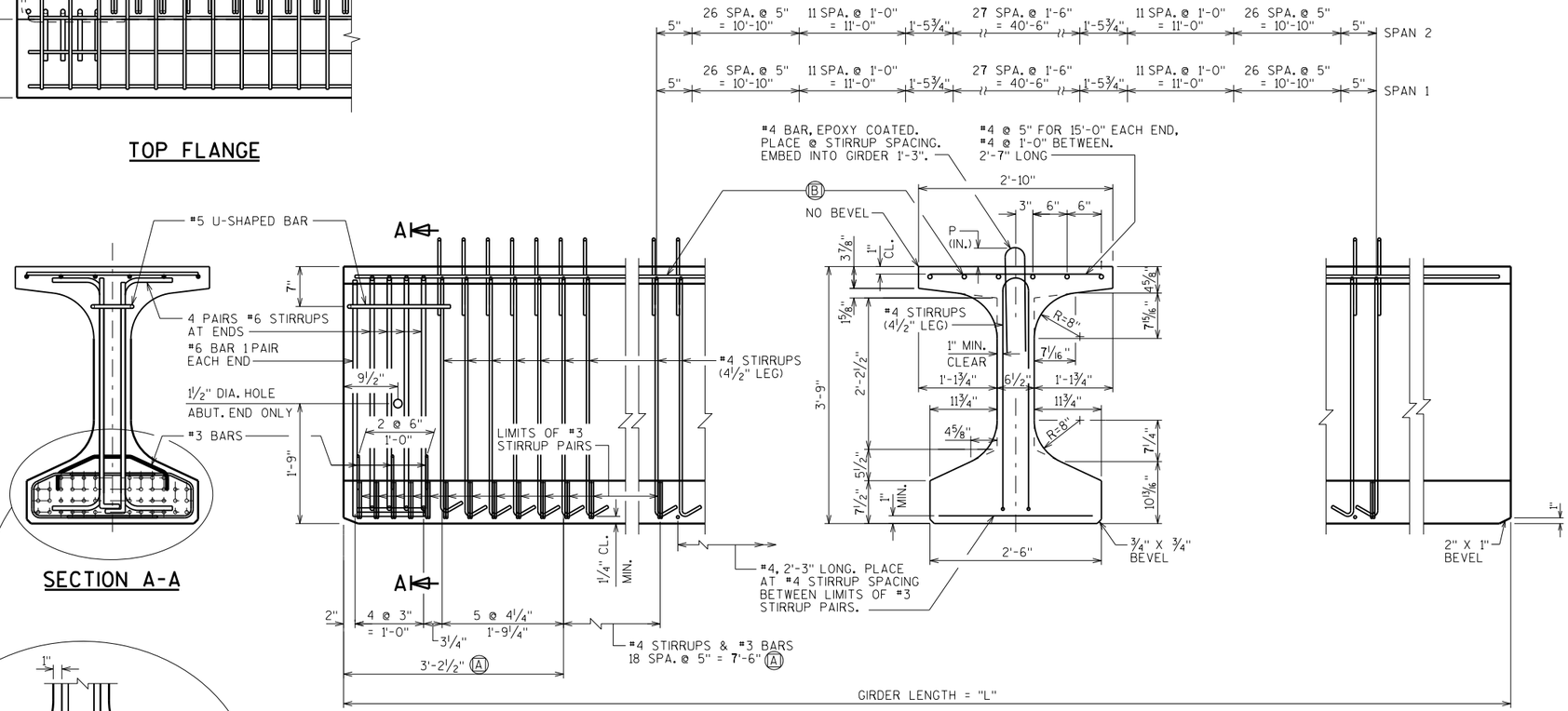
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STATE PROJECT NUMBER

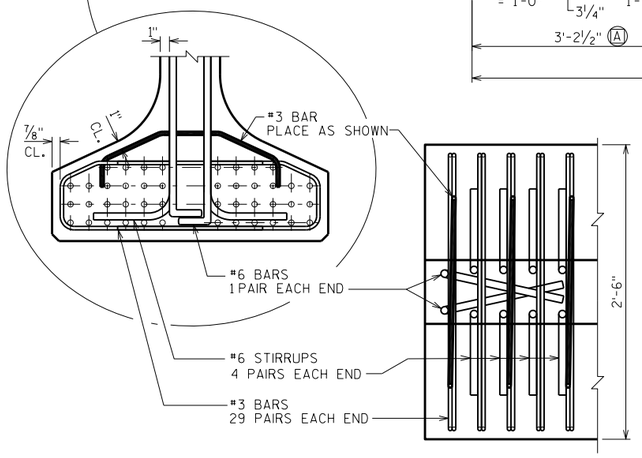
9200-10-71



TOP FLANGE



SECTION A-A



BOTTOM FLANGE

SIDE VIEW & TYPICAL SECTION IN SPAN

Ⓐ DETAIL TYP. AT EACH END

Ⓑ 6 #4 BARS, FULL LENGTH, MIN. LAP = 1'-11"

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECTION 503.3.3 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

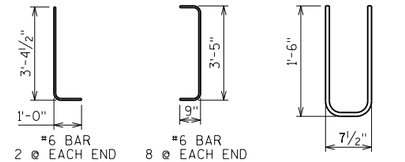
ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

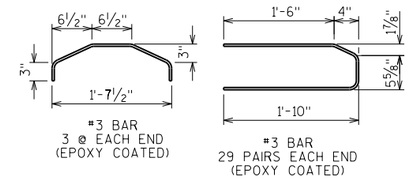
SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

AN EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES MAINTENANCE SECTION. IF USED, WWF SUBSITUTION DETAILS SHALL BE SUBMITTED ELECTRONICALLY TO THE WISDOT FABRICATION LIBRARY AND ACCEPTED PRIOR TO SHOP DRAWING SUBMITTAL.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.





✳ MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L"	DEAD LOAD DEFL. (IN.)									CONC. STRGTH. f'c (p.s.i.)	"P" 1ST ⅓ OF GIRDER	"P" MID ⅓ OF GIRDER	"P" END ⅓ OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN						UNDRAPED PATTERN	
			1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10						TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳
1	1-9	109.38	0.8	1.5	2.0	2.4	2.5	2.4	2.0	1.5	0.7	8,000	8"	7"	8"	0.6	36	6,400	40	13.75	16.75	5		
2	1-9	109.38	0.7	1.5	2.0	2.4	2.5	2.4	2.0	1.5	0.8	8,000	8"	7"	8"	0.6	36	6,400	40	13.75	16.75	5		

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-5-416

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45W" PRESTRESSED GIRDER DETAILS 1

SHEET 9

803

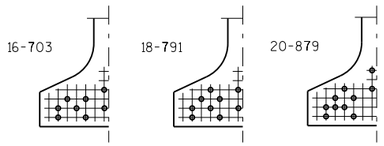
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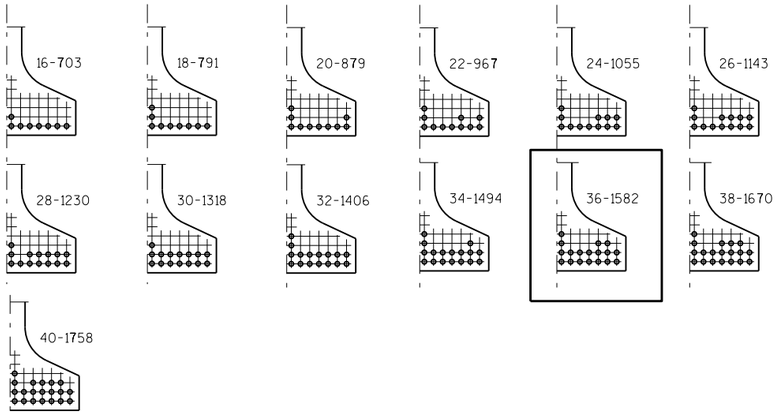
STATE PROJECT NUMBER

9200-10-71



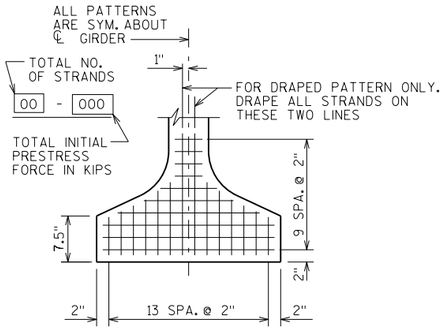
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6" DIA. STRANDS

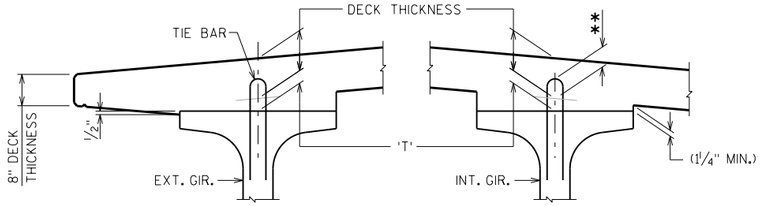


ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6" DIA. STRANDS



TYP. STRAND PATTERN



DECK HAUNCH DETAIL

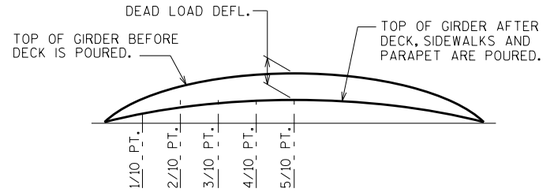
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

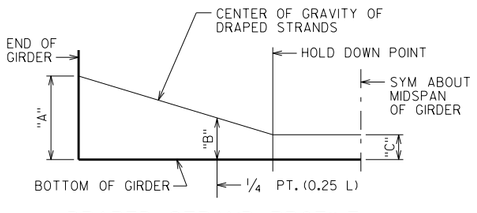
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- DECK THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 3⅛" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".



DEAD LOAD DEFLECTION DIAGRAM



DRAPED STRAND PROFILE

*THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
1	4.00
2	4.00

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

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STRUCTURE B-5-416

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45W" PRESTRESSED GIRDER DETAILS 2

SHEET 10

804

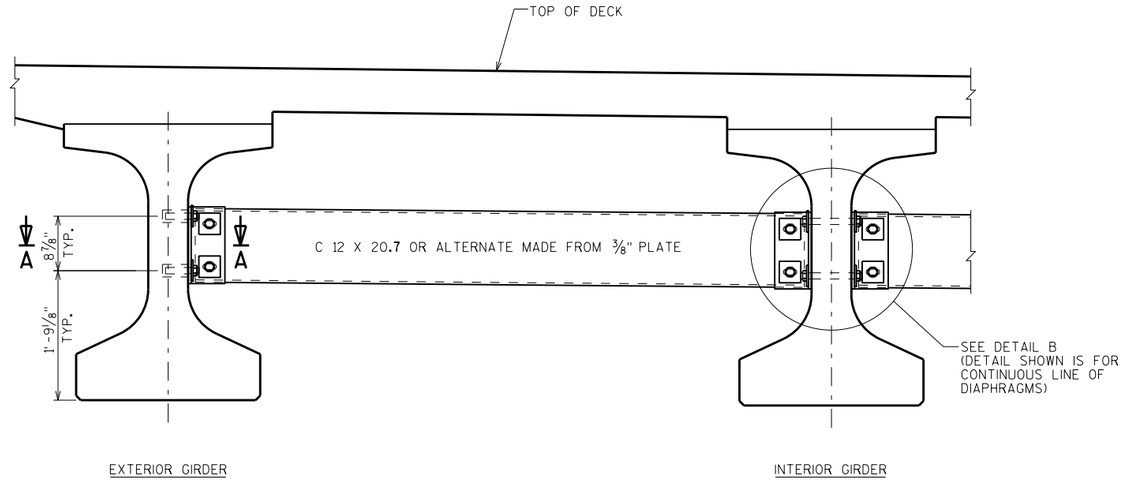
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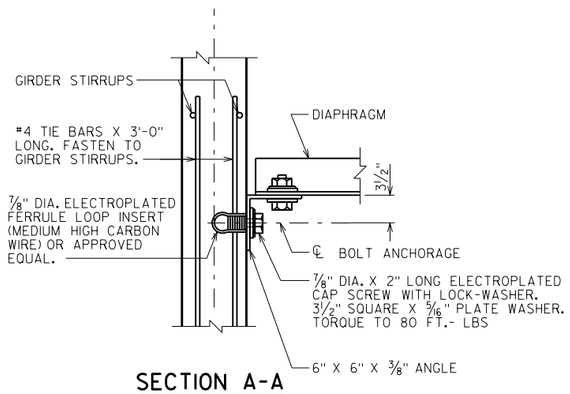
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STATE PROJECT NUMBER

9200-10-71

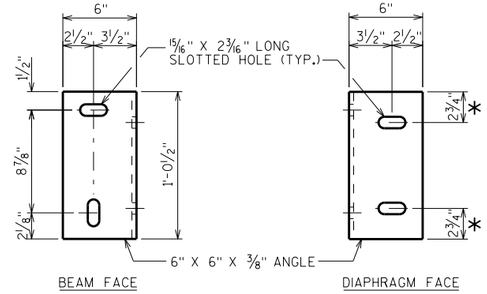


PART TRANSVERSE SECTION AT DIAPHRAGM



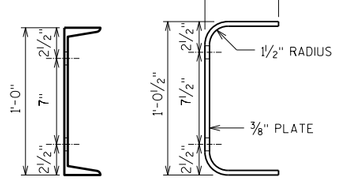
SECTION A-A

(FOR EXTERIOR ATTACHMENT)

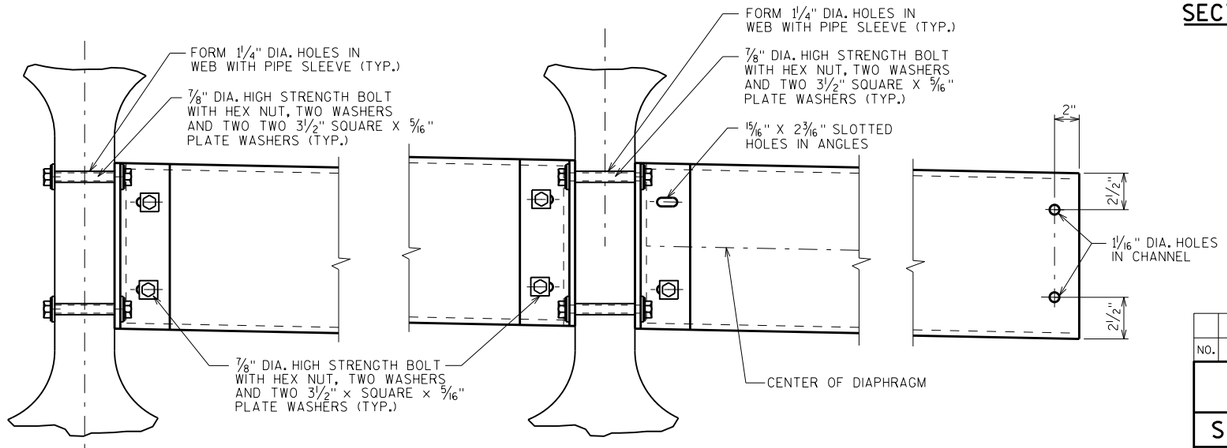


DIAPHRAGM SUPPORT

* 2 1/2" FOR ALTERNATE PLATE DIAPHRAGM



SECTION THRU DIAPHRAGM



(FOR STAGGERED DIAPHRAGM)

DETAIL B

(FOR CONTINUOUS LINE OF DIAPHRAGMS)

NOTES

ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-5-416", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS 1/4 TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.

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STRUCTURE B-5-416

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STEEL DIAPHRAGM

SHEET 11

805

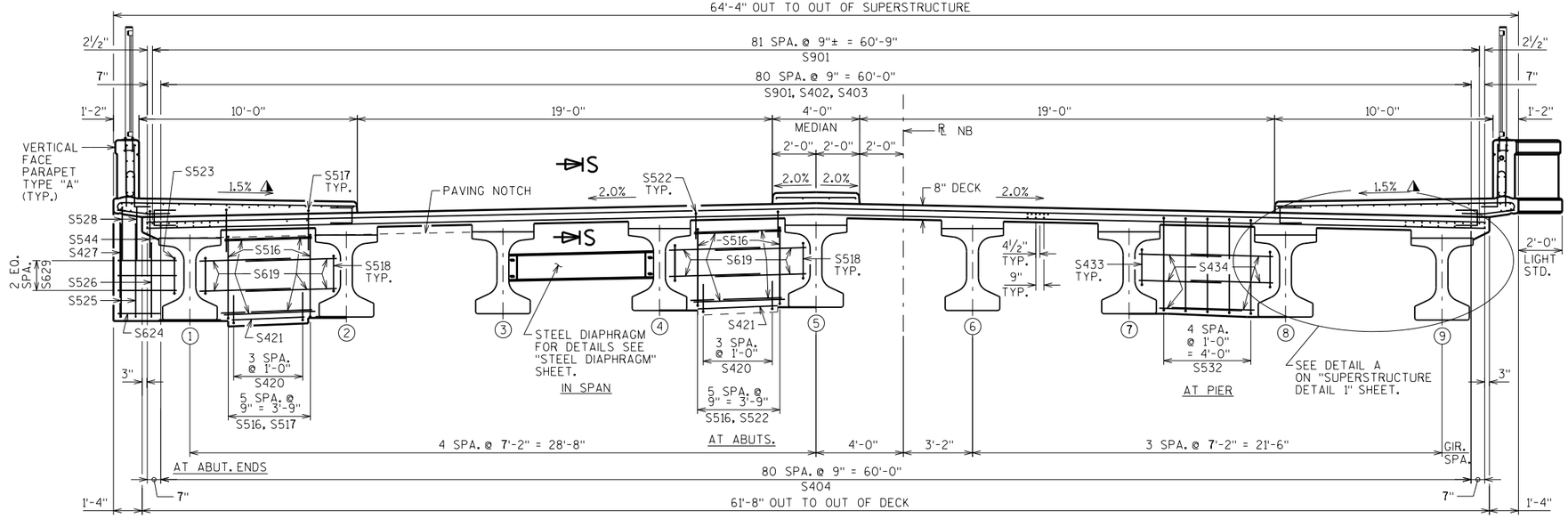
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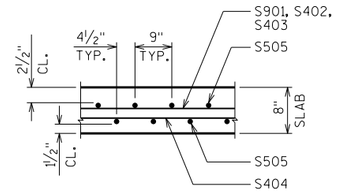
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STATE PROJECT NUMBER

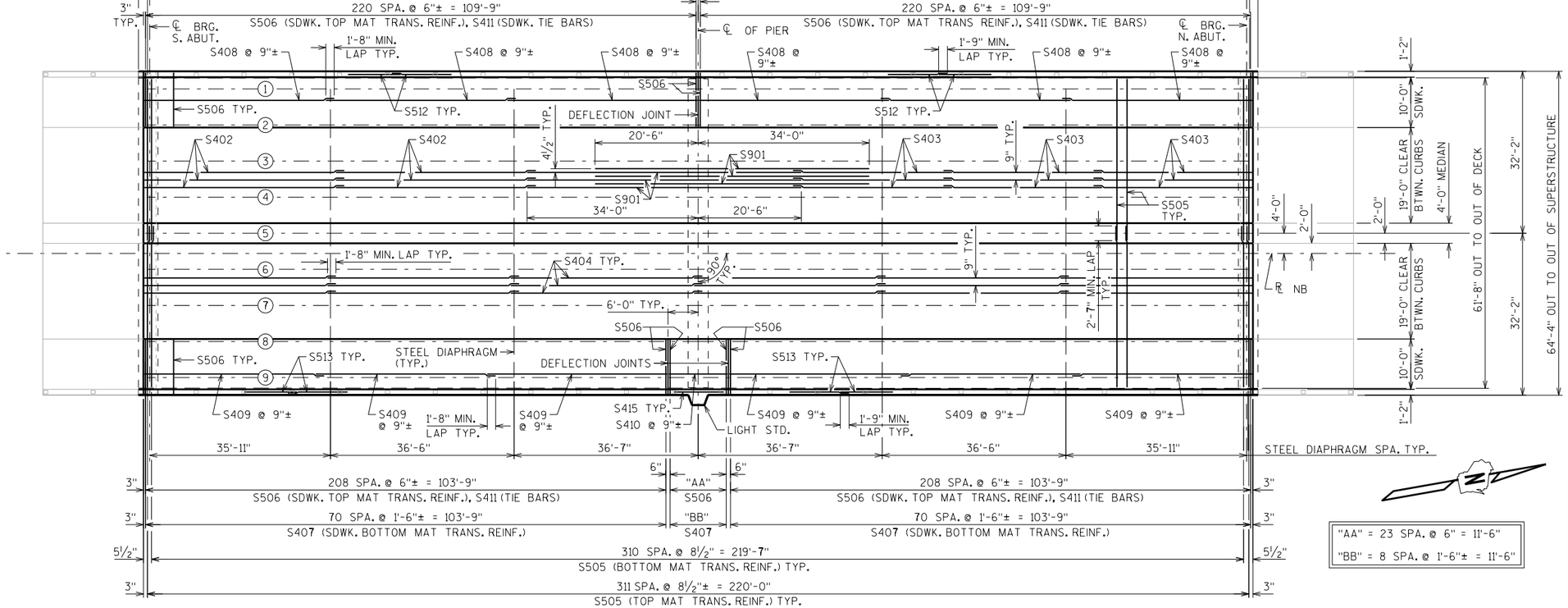
9200-10-71



SECTION THRU ROADWAY - LOOKING NORTH



SECTION S-S



PLAN

▲ ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

"AA" = 23 SPA. @ 6" = 11'-6"

"BB" = 8 SPA. @ 1'-6"± = 11'-6"

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SUPERSTRUCTURE | SHEET 12

806

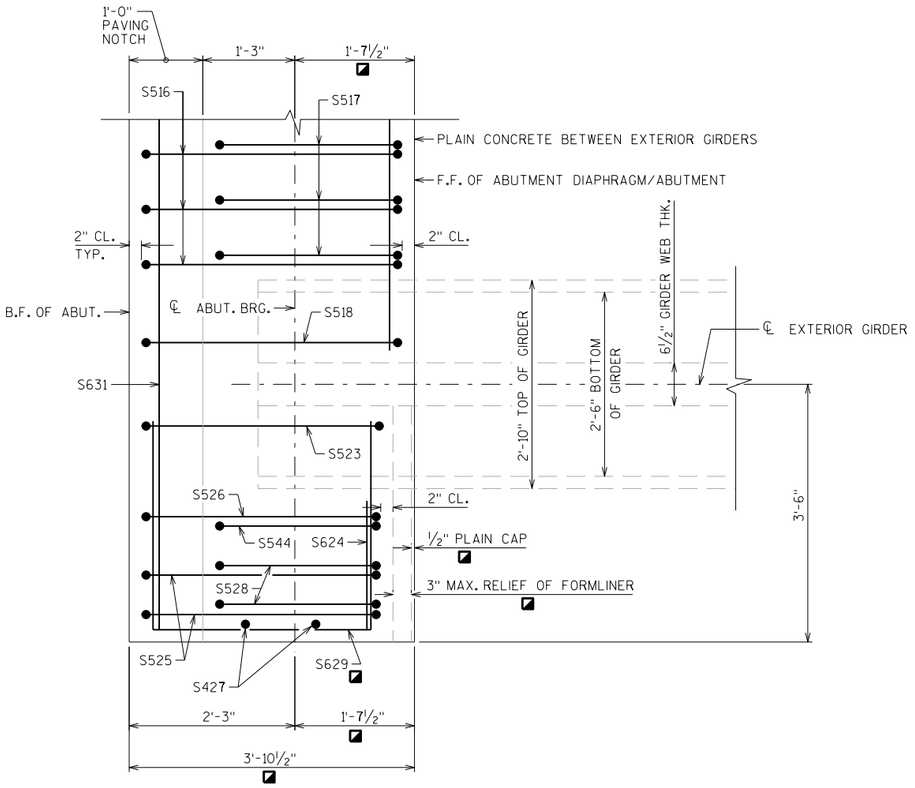
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STATE PROJECT NUMBER

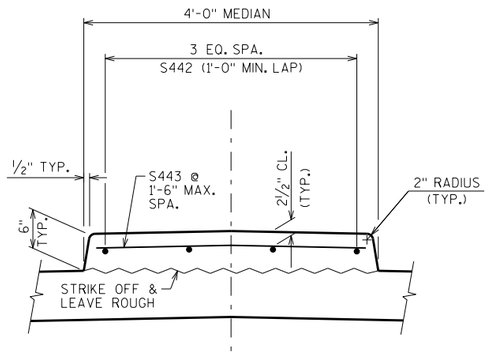
9200-10-71



PLAN - END OF ABUTMENT DIAPHRAGM

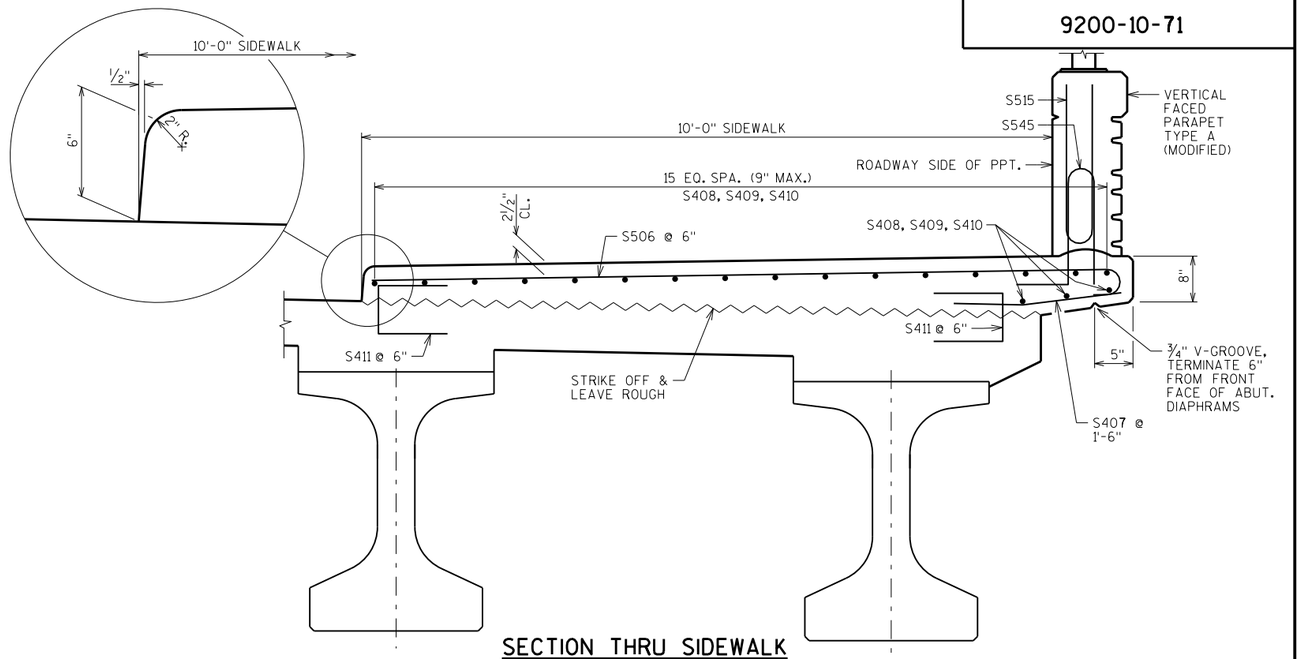
ABUTMENT DIAPHRAGM SHOWN AT WING 1- OTHERS SIMILAR

SEE "ASETHETICS" SHEET FOR FORMLINER DETAILS

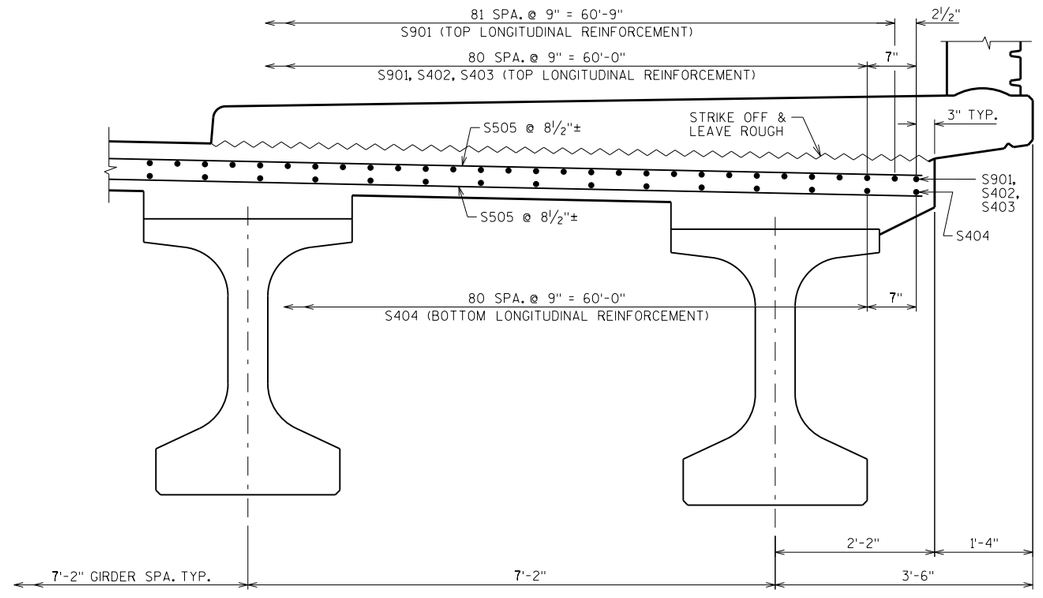


MEDIAN DETAIL

CLEAN ALL LOOSE MATERIAL ON THE DECK AT THE MEDIAN AND SIDEWALK PRIOR TO MEDIAN AND SIDEWALK PLACEMENT USING HIGH PRESSURE WATER OR AIR, ENSURING ALL FREE-STANDING WATER IS REMOVED PRIOR TO PLACEMENT. NEAT CEMENT IS REQUIRED AS PER 509.3.9.2 OF THE STANDARD SPECIFICATIONS UNLESS THE MEDIAN AND SIDEWALKS ARE POURED WITHIN 45 DAYS OF COMPLETING THE DECK POUR.



SECTION THRU SIDEWALK



DETAIL A

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STRUCTURE B-5-416

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SUPERSTRUCTURE DETAILS 1

SHEET 13

807

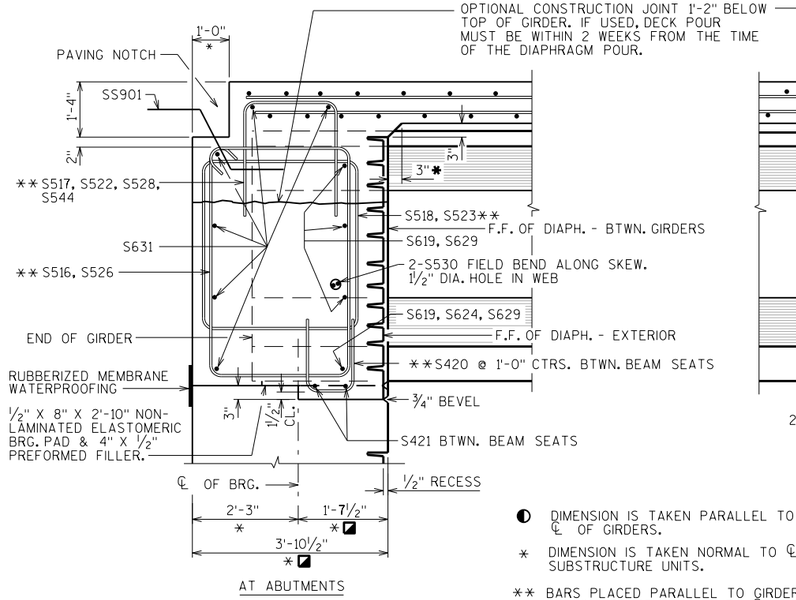
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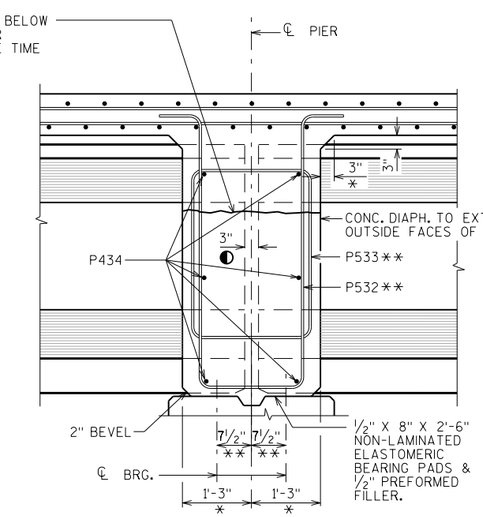
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PART LONGIT. SECTION



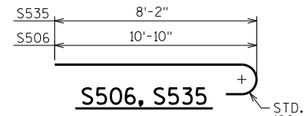
AT PIER DIAPHRAGM

◐ DIMENSION IS TAKEN PARALLEL TO ℄ OF GIRDERS.

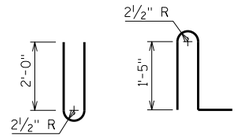
* DIMENSION IS TAKEN NORMAL TO ℄ SUBSTRUCTURE UNITS.

** BARS PLACED PARALLEL TO GIRDERS SPACING PERPENDICULAR TO ℄ GIRDERS

◪ SEE "AESTHETICS" SHEET FOR FORMLINER DETAILS.

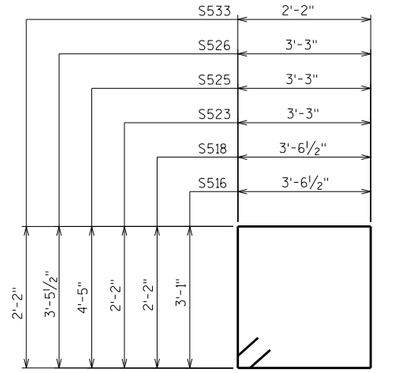


S506, S535



S515

S545



S516, S518, S523, S525, S526, S533

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

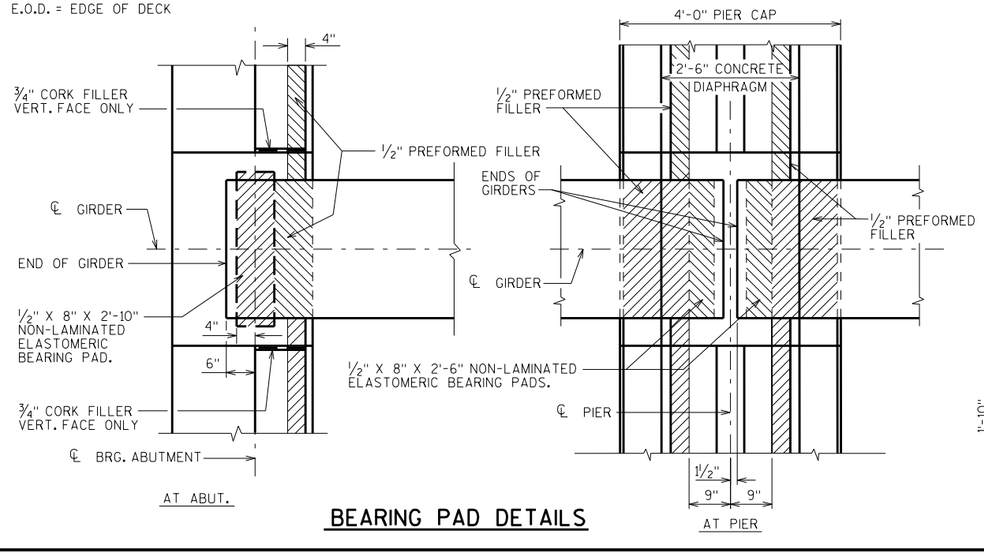
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S901	X	165	54'-6"			DECK - CONTINUITY STEEL
S402	X	166	39'-9"			DECK - TOP LONGITUDINAL STEEL - SPAN 1
S403	X	249	31'-7"			DECK - TOP LONGITUDINAL STEEL - SPAN 2
S404	X	498	38'-1"			DECK - BOTTOM LONGITUDINAL STEEL
S505	X	1246	32'-0"			DECK - TOP & BOTTOM TRANSVERSE STEEL
S506	X	884	11'-5"	X		SIDEWALK - TRANSVERSE - TOP
S407	X	299	2'-2"			SIDEWALK - TRANSVERSE - BOTTOM
S408	X	114	37'-11"			SIDEWALK - HORIZ. - WEST SIDE
S409	X	114	35'-9"			SIDEWALK - HORIZ. - EAST SIDE
S410	X	19	11'-8"			SIDEWALK - HORIZ. - EAST SIDE - AT PIER
S411	X	1768	2'-7"	X		SIDEWALK/DECK - TIE BARS
S512	X	36	37'-10"			PARAPET - HORIZ. - WEST SIDE
S513	X	36	35'-10"			PARAPET - HORIZ. - EAST SIDE
S514	X	6	11'-8"			PARAPET - HORIZ. - EAST SIDE - AT PIER
S515	X	445	4'-9"	X		PARAPET - VERT.
S516	X	96	13'-11"	X		ABUT. DIAPH. - STIRRUP (BTWN. GIRDERS)
S517	X	24	7'-3"	X		ABUT. DIAPH. - VERT. (BTWN. GIRDERS 1&2 AND 8&9)
S518	X	32	12'-1"	X		ABUT. DIAPH. - STIRRUP - BTWN. GIRDERS @ GIRDERS
S619	X	128	4'-1"			ABUT. DIAPH. - HORIZ. (BTWN. GIRDERS)
S420	X	64	3'-7"	X		ABUT DIAPH. - VERT. (BTWN. GIRDERS)
S421	X	32	3'-4"			ABUT. DIAPH. - HORIZ. (BTWN. GIRDERS)
S522	X	72	5'-11"	X		ABUT. DIAPH. - VERT. (BTWN. GIRDERS 2 THRU 8)
S523	X	4	11'-6"	X		ABUT. DIAPH. - STIRRUP @ GIRDERS - ENDS
S624	X	4	1'-11"			ABUT. DIAPH. - HORIZ. - ENDS
S525	X	8	16'-0"	X		ABUT. DIAPH. - STIRRUP - ENDS
S526	X	4	14'-1"	X		ABUT. DIAPH. - STIRRUP - ENDS
S427	X	8	4'-6"			ABUT. DIAPH. - VERT. - ENDS
S528	X	8	5'-8"	X		ABUT. DIAPH. - VERT. - ENDS
S629	X	12	8'-7"	X		ABUT. DIAPH. - HORIZ. - ENDS
S530	X	36	6'-0"			ABUT. DIAPH. - HORIZ. - THRU GIRDERS
S631	X	24	33'-4"			ABUT. DIAPH. - HORIZ. - B.F.
S532	X	40	11'-6"	X		PIER DIAPH. - VERT.
S533	X	16	9'-4"	X		PIER DIAPH. - STIRRUP @ GIRDER
S434	X	96	3'-10"			PIER DIAPH. - HORIZ.
S535	X	12	8'-9"	X		LIGHT STD. - HORIZ.
S536	X	4	6'-0"	X		LIGHT STD. - VERT.
S537	X	4	6'-7"	X		LIGHT STD. - VERT.
S638	X	7	9'-9"	X		LIGHT STD. - HORIZ.
S539	X	12	8'-2"			LIGHT STD. - HORIZ.
S540	X	2	3'-0"	X		LIGHT STD. - VERT.
S541	X	2	3'-4"	X		LIGHT STD. - VERT.
S442	X	24	38'-7"			MEDIAN - LONGITUDINAL
S443	X	148	3'-7"			MEDIAN - TRANSVERSE
S544	X	4	5'-8"	X		ABUT. DIAPH. - VERT. - ENDS
S545	X	445	4'-4"	X		PARAPET - VERT.
S546	X	2	2'-4"			LIGHT STD. - VERT.
SS901		130	5'-0"	X		CONCRETE ABUT. DIAPHRAGM TO APPROACH SLAB

STAINLESS STEEL

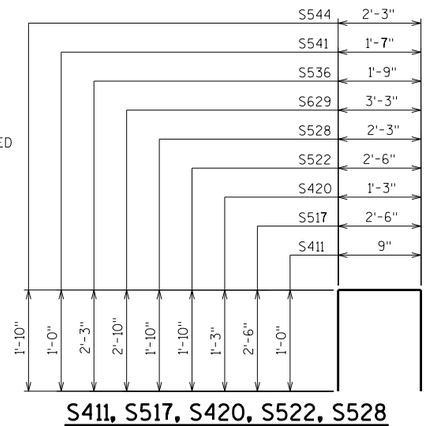
TOP OF DECK ELEVATION

	℄ BRG. S. ABUT.	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ OF PIER	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ BRG. N. ABUT.
WEST E.O.D.	784.32	784.37	784.43	784.49	784.55	784.60	784.66	784.72	784.77	784.83	784.89	784.95	785.00	785.06	785.12	785.17	785.23	785.29	785.35	785.40	785.46
GIRDER 1	784.37	784.42	784.48	784.54	784.59	784.65	784.71	784.77	784.82	784.88	784.94	784.99	785.05	785.11	785.17	785.22	785.28	785.34	785.39	785.45	785.51
GIRDER 2	784.51	784.57	784.62	784.68	784.74	784.79	784.85	784.91	784.97	785.02	785.08	785.14	785.19	785.25	785.31	785.37	785.42	785.48	785.54	785.59	785.65
GIRDER 3	784.65	784.71	784.77	784.82	784.88	784.94	785.00	785.05	785.11	785.17	785.22	785.28	785.34	785.40	785.45	785.51	785.57	785.62	785.68	785.74	785.79
GIRDER 4	784.80	784.85	784.91	784.97	785.02	785.08	785.14	785.20	785.25	785.31	785.37	785.42	785.48	785.54	785.60	785.65	785.71	785.77	785.82	785.88	785.94
GIRDER 5	784.94	785.00	785.05	785.11	785.17	785.22	785.28	785.34	785.40	785.45	785.51	785.57	785.62	785.68	785.74	785.80	785.85	785.91	785.97	786.02	786.08
℄ NB	784.86	784.92	784.97	785.03	785.09	785.14	785.20	785.26	785.32	785.37	785.43	785.49	785.54	785.60	785.66	785.72	785.77	785.83	785.89	785.94	786.00
GIRDER 6	784.80	784.85	784.91	784.97	785.02	785.08	785.14	785.20	785.25	785.31	785.37	785.42	785.48	785.54	785.60	785.65	785.71	785.77	785.82	785.88	785.94
GIRDER 7	784.65	784.71	784.77	784.82	784.88	784.94	785.00	785.05	785.11	785.17	785.22	785.28	785.34	785.40	785.45	785.51	785.57	785.62	785.68	785.74	785.79
GIRDER 8	784.51	784.57	784.62	784.68	784.74	784.79	784.85	784.91	784.97	785.02	785.08	785.14	785.19	785.25	785.31	785.37	785.42	785.48	785.54	785.59	785.65
GIRDER 9	784.37	784.42	784.48	784.54	784.59	784.65	784.71	784.77	784.82	784.88	784.94	784.99	785.05	785.11	785.17	785.22	785.28	785.34	785.39	785.45	785.51
EAST E.O.D.	784.32	784.37	784.43	784.49	784.55	784.60	784.66	784.72	784.77	784.83	784.89	784.95	785.00	785.06	785.12	785.17	785.23	785.29	785.35	785.40	785.46

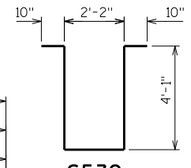
E.O.D. = EDGE OF DECK



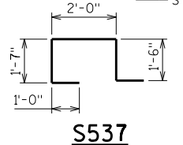
BEARING PAD DETAILS



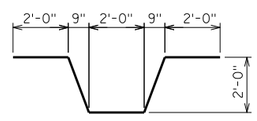
S411, S517, S420, S522, S528 S629, S536, S541, S544



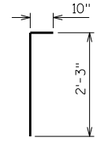
S532



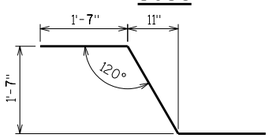
S537



S638



S540



SS901

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-5-416

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SUPERSTRUCTURE DETAILS 2

SHEET 14

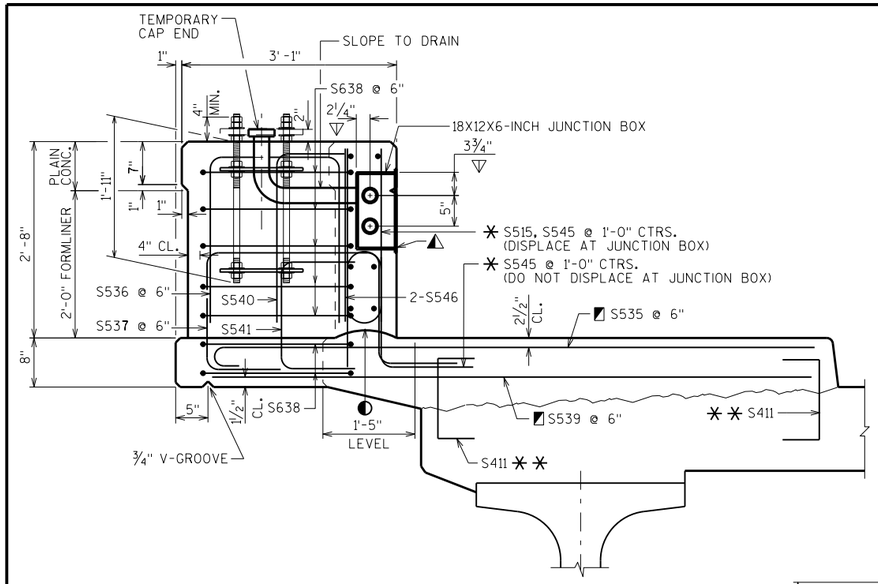
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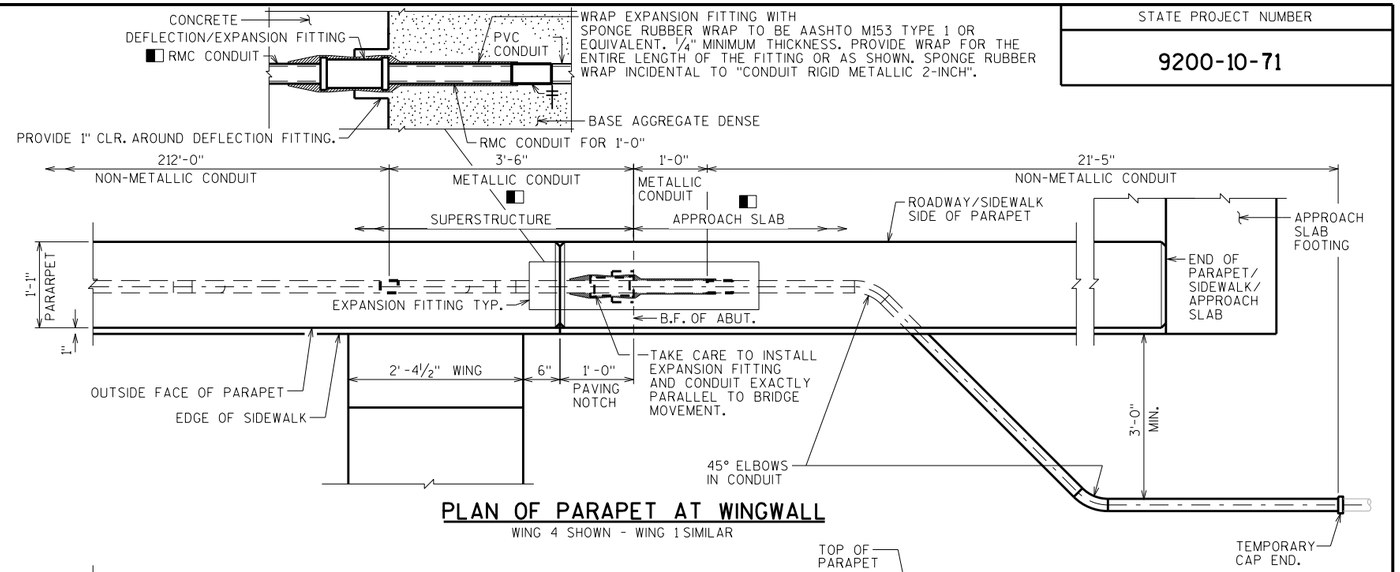
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STATE PROJECT NUMBER
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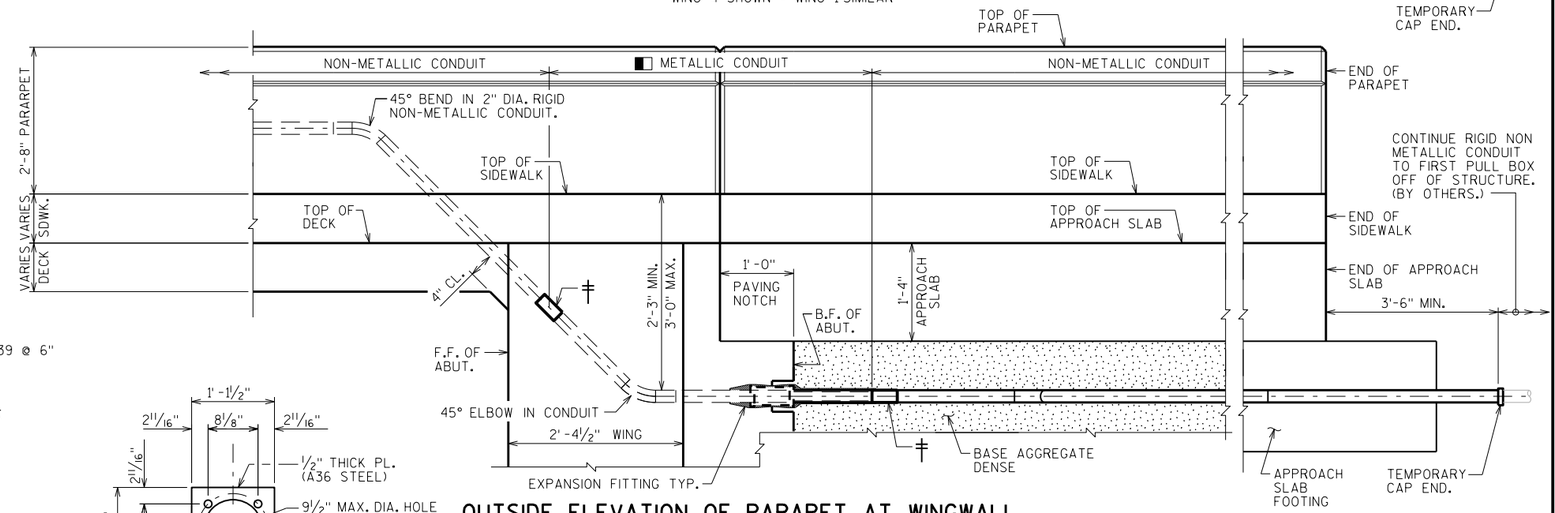


SECTION A-A



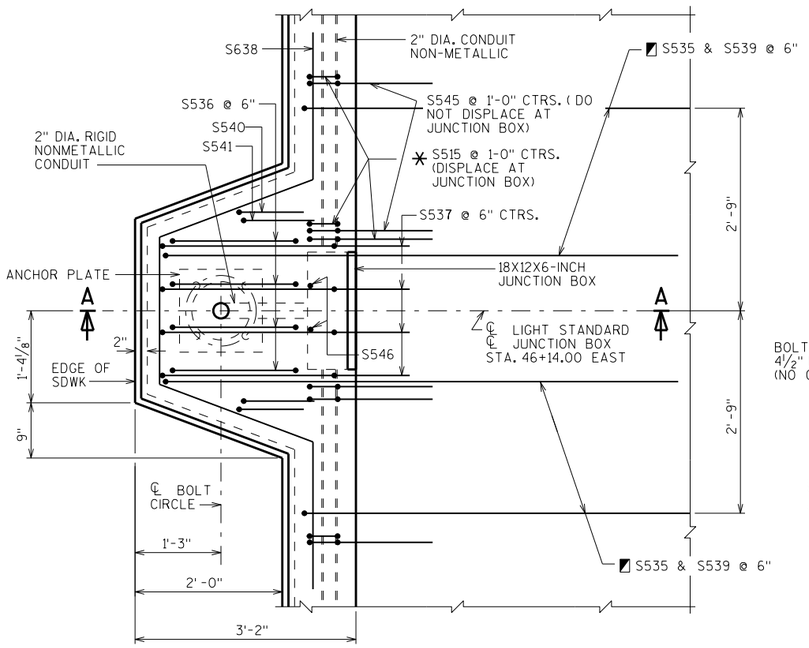
PLAN OF PARAPET AT WINGWALL

WING 4 SHOWN - WING 1 SIMILAR

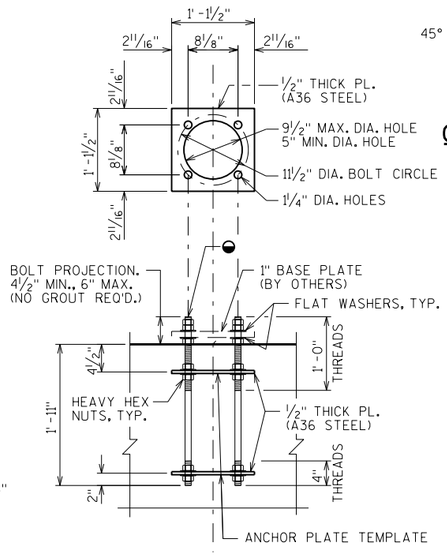


OUTSIDE ELEVATION OF PARAPET AT WINGWALL

WING 4 SHOWN - WING 1 SIMILAR



PLAN AT LIGHT STANDARD



ANCHORAGE DETAIL

(1 REQ'D.)

- USE RIGID METALLIC CONDUIT.
- CONSTR. JT. STRIKE OFF AS SHOWN
- CUT OUT ± 1" OF GASKET AT BOTTOM OF JUNCTION BOX COVER TO ALLOW FOR DRAINAGE.
- LOCATION OF CONDUIT IS MEASURED FROM OUTSIDE EDGE OF JUNCTION BOX.
- THESE BARS ARE IN ADDITION TO STANDARD TRANSVERSE BARS IN SIDEWALK.
- 1" DIA. THREADED ANCHOR BOLTS ASTM A449 OR AASHTO M 314-90 GR 55. HOT DIP ASTM A153, CLASS C, UPPER 8" OF BOLT INCLUDING NUTS & WASHERS. PROVIDE ENLARGED THREAD ON NUTS FOR PROPER FIT AFTER GALVANIZING. PROVIDE DOUBLE FLAT WASHERS & NUTS.
- ✳ SEE "VERTICAL FACE PARAPET "A" (MODIFIED)" SHEET FOR ADDITIONAL BAR STEEL DETAILS.
- ✳✳ SEE "SUPERSTRUCTURE DETAILS 1&2" SHEETS FOR ADDITIONAL BAR STEEL DETAILS.
- ǂ NONMETALLIC CONDUIT TO METALLIC CONDUIT ADAPTER FITTING (UL OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED).

NOTES

BID ITEMS SHALL BE:
"JUNCTION BOXES 18X12X6-INCH", EACH.
"ANCHOR ASSEMBLIES LIGHT POLES", EACH.
"CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH"
"CONDUIT RIGID METALLIC 2-INCH"

APPROVED MANUFACTURERS - JUNCTION BOXES:
SEE APPROVED MATERIAL LIST.

APPROVED MANUFACTURER OR EQUIVALENT - EXPANSION FITTING:

O-Z/GEDNEY TYPE AX-200 AND BONDING JUMPER (UP TO 3/4" CONDUIT CONTRACTION OR EXPANSION AND UP TO 30 DEGREES OF ANGULAR MISALIGNMENT IN ANY DIRECTION WITH BONDING JUMPER)

EXPANSION FITTINGS, ANGLES AND ADAPTER FITTINGS TO BE INCIDENTAL TO "CONDUIT RIGID METALLIC 2-INCH".

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STRUCTURE B-5-416

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CONDUIT DETAILS

SHEET 15

809

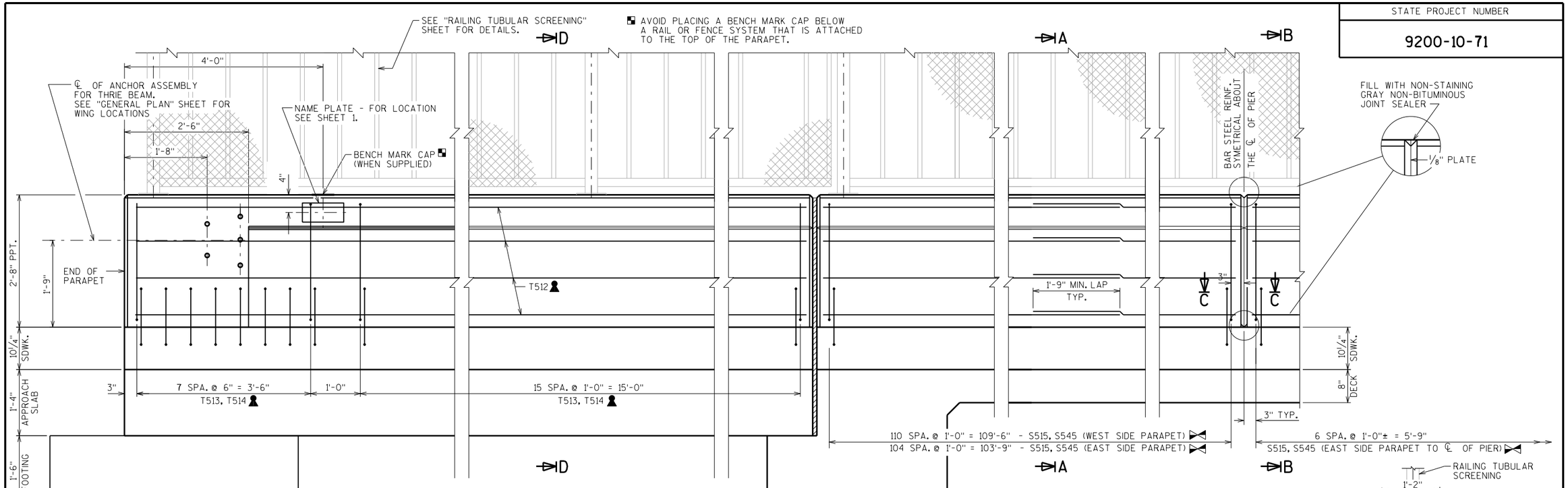
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SCALE = 1

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AT APPROACH SLAB

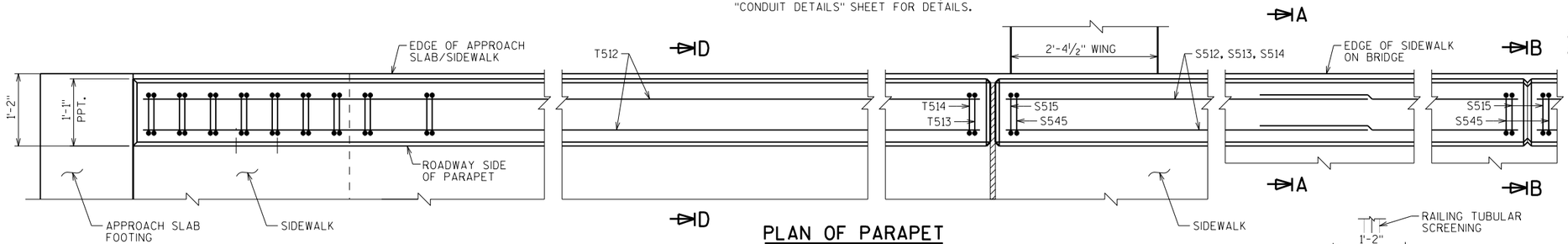
ON BRIDGE

AT DEFLECTION JOINT

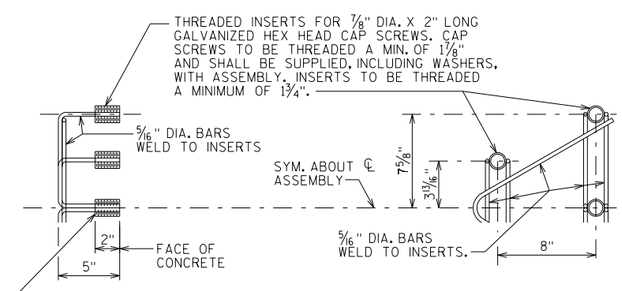
▲ = FOR BAR STEEL REINFORCEMENT INFORMATION SEE "STRUCTURAL APPROACH SLAB" SHEET.

INSIDE ELEVATION OF PARAPET

CONDUIT NOT SHOWN FOR CLARITY. SEE "CONDUIT DETAILS" SHEET FOR DETAILS.



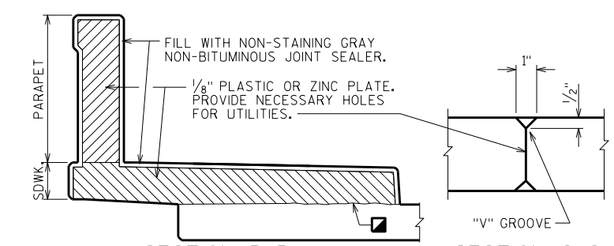
PLAN OF PARAPET



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

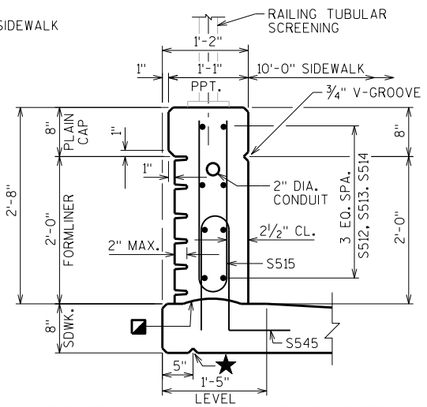


SECTION B-B

(SHOWING DEFLECTION JOINT IN PARAPET AND SIDEWALK.)

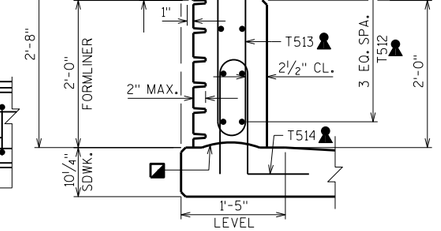
WHEN PARAPETS ARE POURED CONTINUOUSLY FROM END TO END, THEY SHALL BE SEPARATED AT THE DEFLECTION JOINTS BY A PIECE OF ⅛" ZINC OR PLASTIC PLATE CUT AS SHOWN IN SECTION B-B BY SHADED AREA. IF CONSTRUCTION JOINTS IN PARAPETS ARE USED AT THE DEFLECTION JOINTS, ONE SIDE OF JOINT SHALL BE COATED WITH AN APPROVED LIQUID BOND BREAKER AND PLATE SEPARATORS MAY BE OMITTED.

SECTION C-C



SECTION A-A THRU PARAPET ON BRIDGE

FOR FORMLINER DETAILS SEE "AESTHETICS" SHEET



SECTION D-D THRU PARAPET ON APPROACH SLAB

FOR FORMLINER DETAILS SEE "AESTHETICS" SHEET
FOR APPROACH SLAB DETAILS SEE "STRUCTURAL APPROACH SLAB" SHEET

▶◀ VERTICAL REINFORCEMENT TO BE SYMETRICAL ABOUT THE ℄ OF PIER

◪ HORIZONTAL CONSTRUCTION JOINT - STRIKE OFF AND LEAVE ROUGH

★ ¾" V-GROOVE EXTEND V-GROOVE TO 6" FROM FRONT FACE OF ABUTMENT DIAPHRAGM.

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VERTICAL FACE PARAPET "A" (MODIFIED)

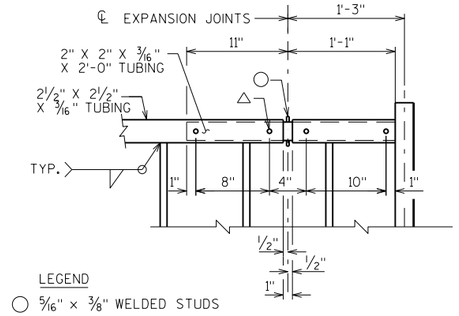
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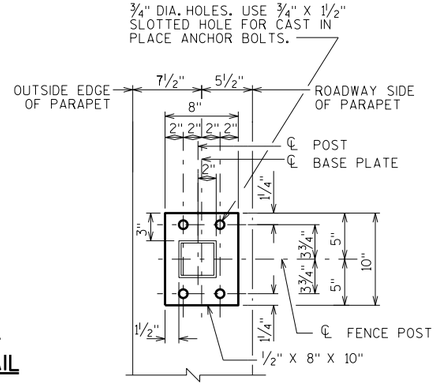


LEGEND

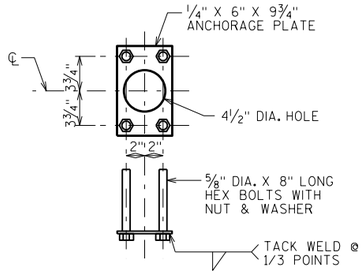
○ 5/16" × 3/8" WELDED STUDS

△ WELD BEAD ON EACH SIDE OF TUBE. GRIND BEADS SO THAT SLEEVE FITS FREELY INSIDE THE 2½" × 2½" TUBE.

RAILING EXPANSION JOINT DETAIL



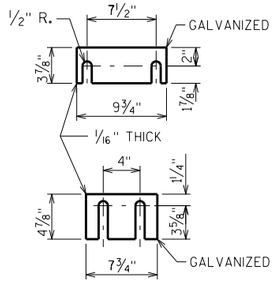
BASE PLATE



ANCHORAGE DETAIL

ALTERNATIVE ANCHORAGE: ADHESIVE ANCHORS ⅝"- INCH. EMBED 7" IN CONCRETE. ADHESIVE ANCHORS SHALL CONFORM TO SECTION 502.2.12 OF THE STANDARD SPECIFICATIONS.

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



SHIM PLATE DETAILS

TWO SHIMS OF EACH SIZE REQUIRED PER POST

NOTES

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B. BASE PLATES, ANGLES, BARS, AND SHIMS TO BE ASTM A709, GRADE 36, FENCE FABRIC SHALL CONFORM TO ASTM F668, CLASS 2B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET POSTS NORMAL TO GRADE.

ALL POST SPACING IS TAKEN HORIZ. ALONG CENTER LINE OF RAILING AT BASE OF POST.

STEEL SHIMS SHALL BE PROVIDED AND USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

CAULK AROUND PERIMETER OF BASE PLATES AND FILL PORTION OF SLOTTED HOLES AROUND ANCHOR BOLTS WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

CUT BOTTOM OF POST TO MAKE VERTICAL IN TRANSVERSE DIRECTION.

ANCHOR BOLTS, NUTS AND WASHERS SHALL BE EITHER STAINLESS STEEL OR ASTM 307. IF 307 IS USED, ANCHOR BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED.

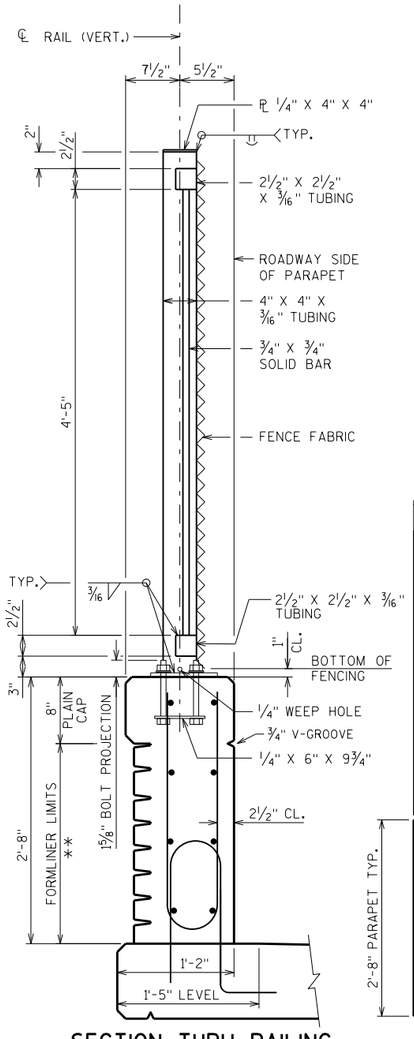
THE BID ITEM SHALL BE "RAILING TUBULAR SCREENING B-5-416" WHICH SHALL INCLUDE ALL ITEMS SHOWN ON THIS SHEET AND ON "LIGHT ACCESS GATE DETAILS SHEET".

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE NOT MORE THAN 3 POSTS.

VENT HOLES SHALL BE DRILLED IN MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

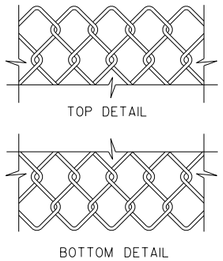
ALL RAILING MATERIAL SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING ALL STEEL RAILING POSTS AND STEEL TUBING SHALL BE GIVEN A NO. 6 BLAST CLEANING BY SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH APPROVED TIE COAT AND TOPCOAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038. FENCE FABRIC AND TIES TO BE VINYL COATED. THE COLOR SHALL BE BLACK IN ACCORDANCE WITH ASTM F934.

THE END OF THE FABRIC SHALL BE ATTACHED TO THE POST BY MEANS OF A TENSION BAR THREADED THROUGH THE END LOOPS OF THE FABRIC AND SECURED TO THE POST WITH CLAMPS & BOLT. THE FABRIC SHALL BE STRETCHED TO REMOVE ALL SLACK.



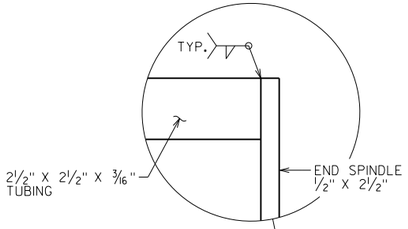
SECTION THRU RAILING

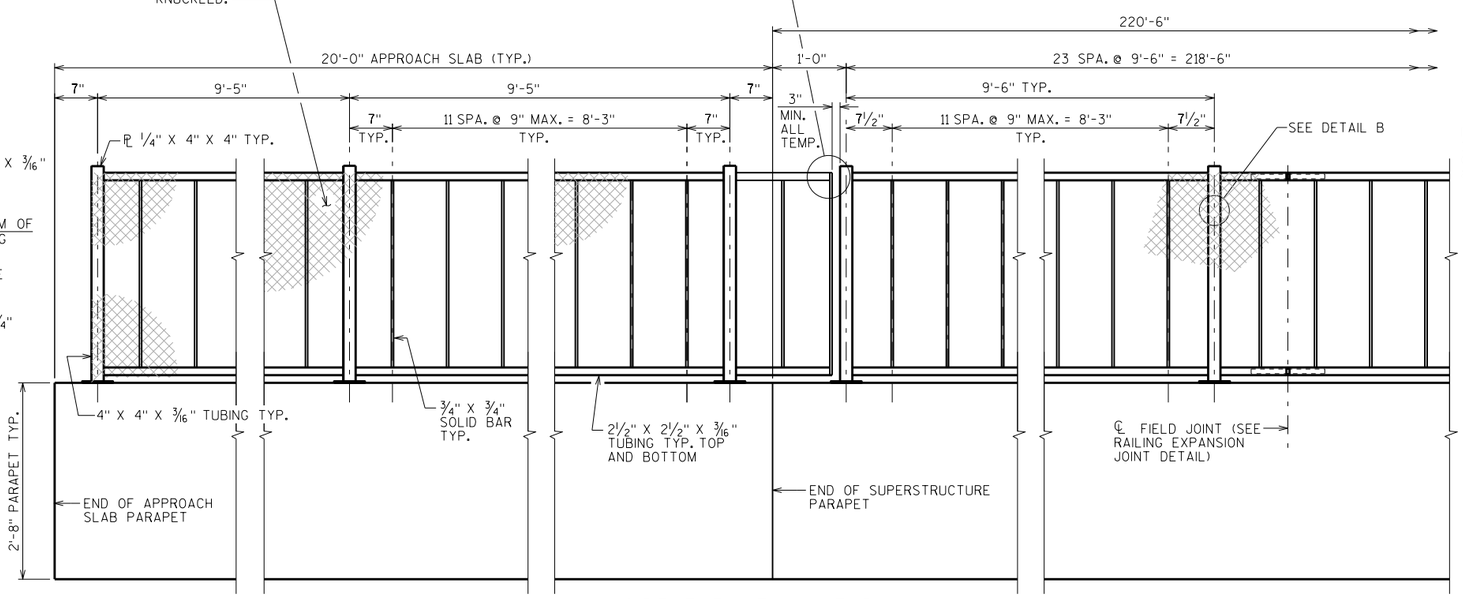
** = SEE "AESTHETICS" SHEET FOR DETAILS.



FENCE FABRIC

5'-0" VINYL COATED FENCE FABRIC WOVEN OF 9-GAUGE WIRE IN 2" DIAMOND PATTERN MESH WITH BOTH THE TOP AND BOTTOM SELVAGES KNUCKLED.

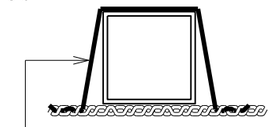




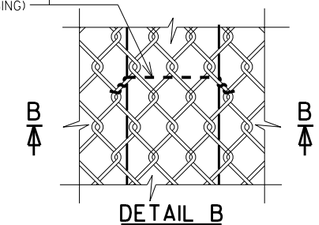
INSIDE ELEVATION OF RAILING

(LOOKING WEST)

FABRIC TIE @ 1'-0" MAX. SPA. (TYP. RAIL POSTS & HORIZ. TUBING)



SECTION B-B



DETAIL B

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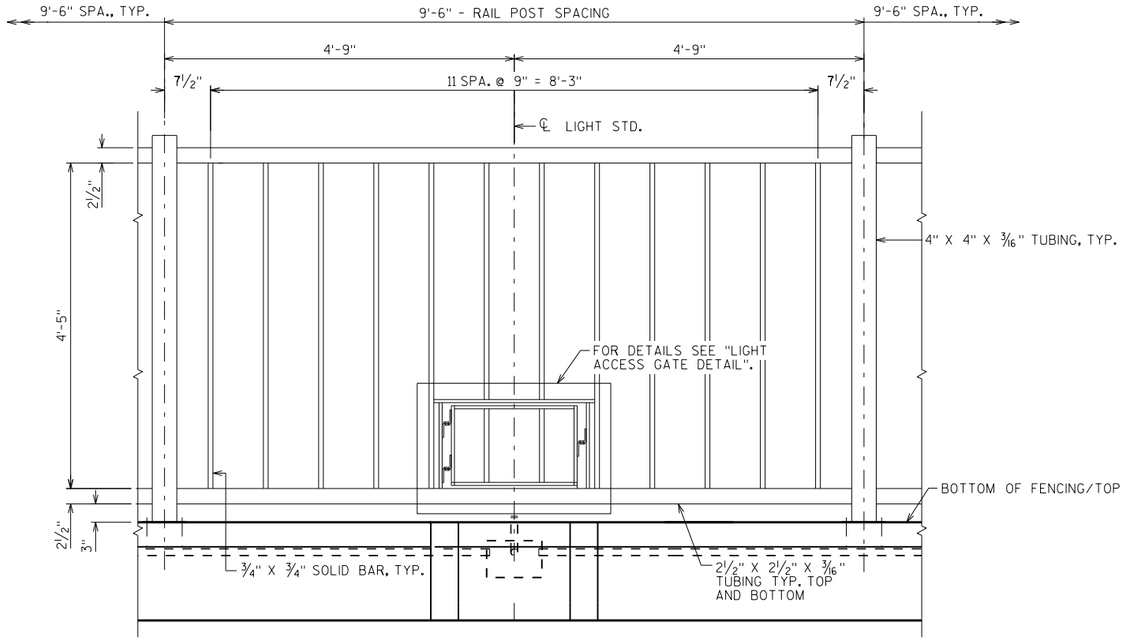
RAILING TUBULAR SCREENING

SHEET 17

811

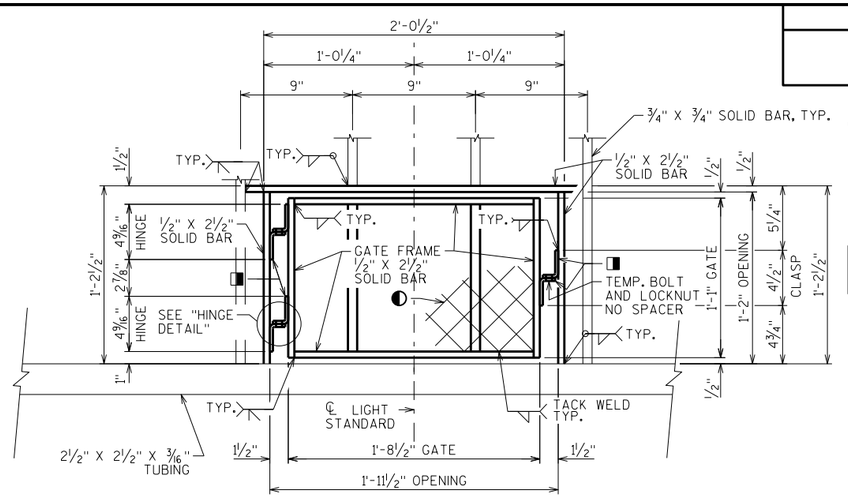
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OUTSIDE ELEVATION VIEW

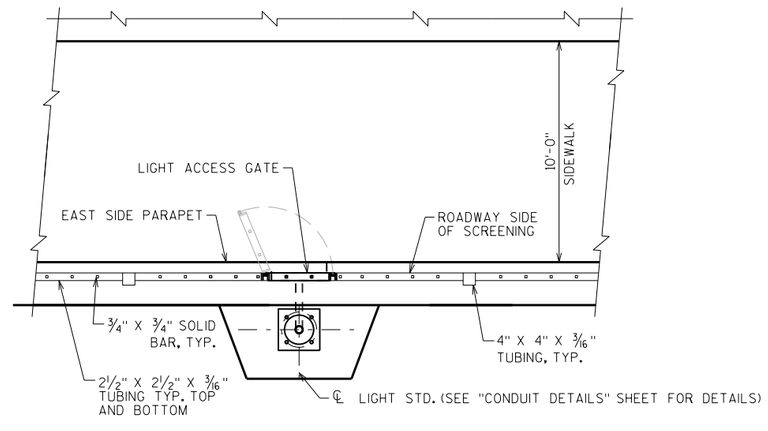
(LOOKING EAST, SCREENING NOT SHOWN FOR CLARITY)



LIGHT ACCESS GATE DETAIL

- ◐ MCNICHOLS STEEL WIRE MESH WITH OPENING SIZE 2" X 2" SQUARE, 1/4" DIA. WIRE. ITEM NO. 3293920148 (OR EQUIVALENT)
- ◨ BENT STEEL PL ¼" X 3" X 1". SEE "STEEL PLATE DETAIL."

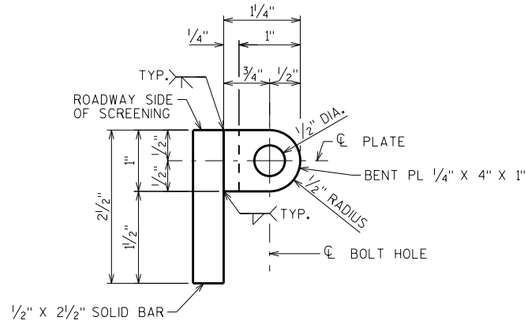
SEE "RAILING TUBULAR SCREENING" SHEET FOR MATERIAL, GALVANIZING, AND BID ITEM INFORMATION.

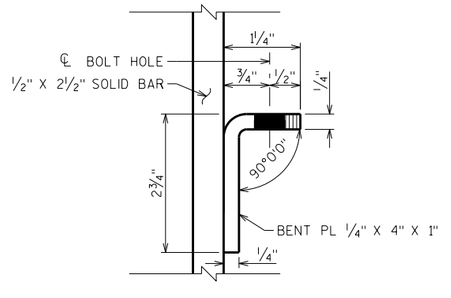


PLAN

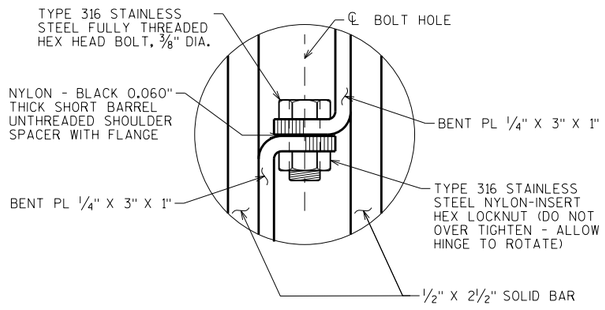
NOTES

THE STEEL WIRE MESH SHALL BE ATTACHED TO THE LIGHT ACCESS GATE BY MEANS OF TACK WELDING AT ALL LOCATIONS WHERE THE STEEL WIRE MESH MEETS THE LIGHT ACCESS GATE, ½" X 2½" SOLID BAR GATE FRAME AND ¾" X ¾" SOLID BARS. THE STEEL WIRE MESH SHALL BE WELDED TO THE ROADWAY SIDE OF THE ¾" X ¾" SOLID BARS.





STEEL PLATE DETAIL



HINGE DETAIL

PROVIDE ADDITIONAL STAINLESS STEEL FULLY THREADED HEX HEAD BOLT, ⅜" DIA. AND STAILNESS STEEL NYLON-INSERT HEX LOCKNUT, HAND TIGHTENED, TO ACT AS TEMPORARY LOCK.

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STRUCTURE B-5-416

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LIGHT ACCESS GATE DETAILS

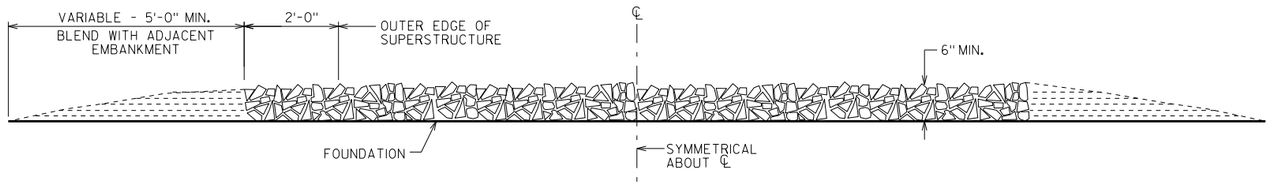
SHEET 18

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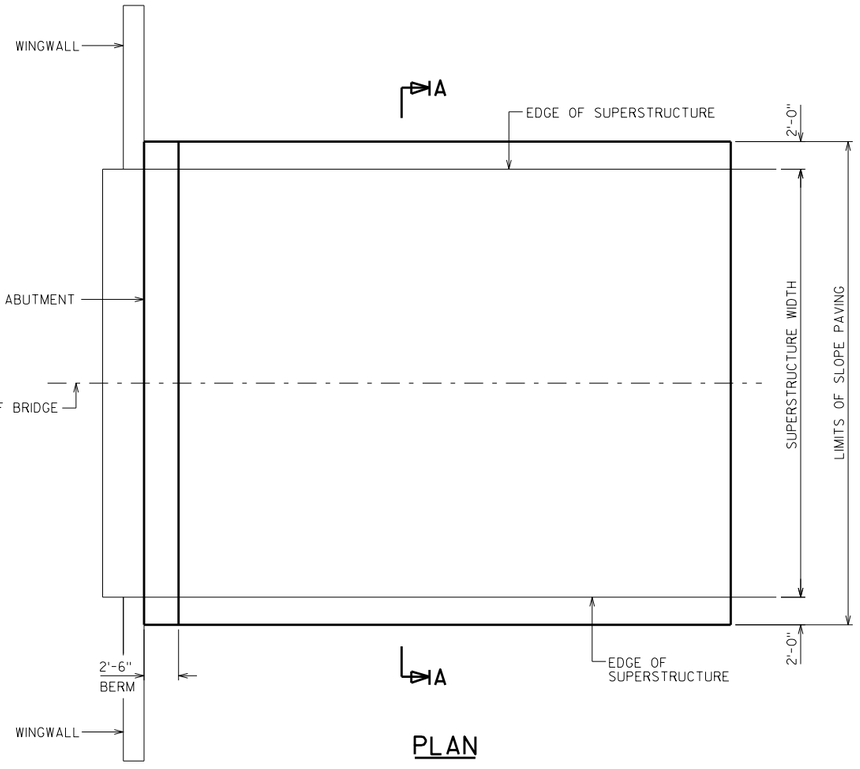
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STATE PROJECT NUMBER

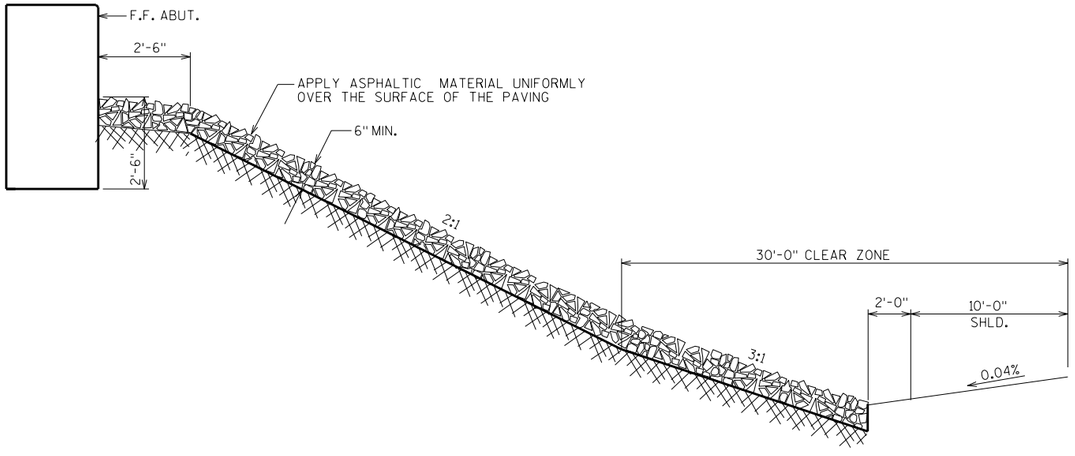
9200-10-71



SECTION A-A



PLAN



STANDARD CROSS SECTION THRU CRUSHED AGGREGATE

ROUND STONE WILL NOT BE ACCEPTED

GENERAL NOTES

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

WOOD FORMS MAY BE LEFT IN PLACE WHEN OF A QUALITY ACCEPTABLE TO THE ENGINEER.

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STRUCTURE B-5-416

DRAWN BY	DDS	PLANS CK'D.	JJS

SLOPE PAVING (CRUSHED AGGREGATE)

SHEET 19

813

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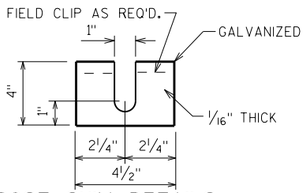
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STATE PROJECT NUMBER

9200-10-71

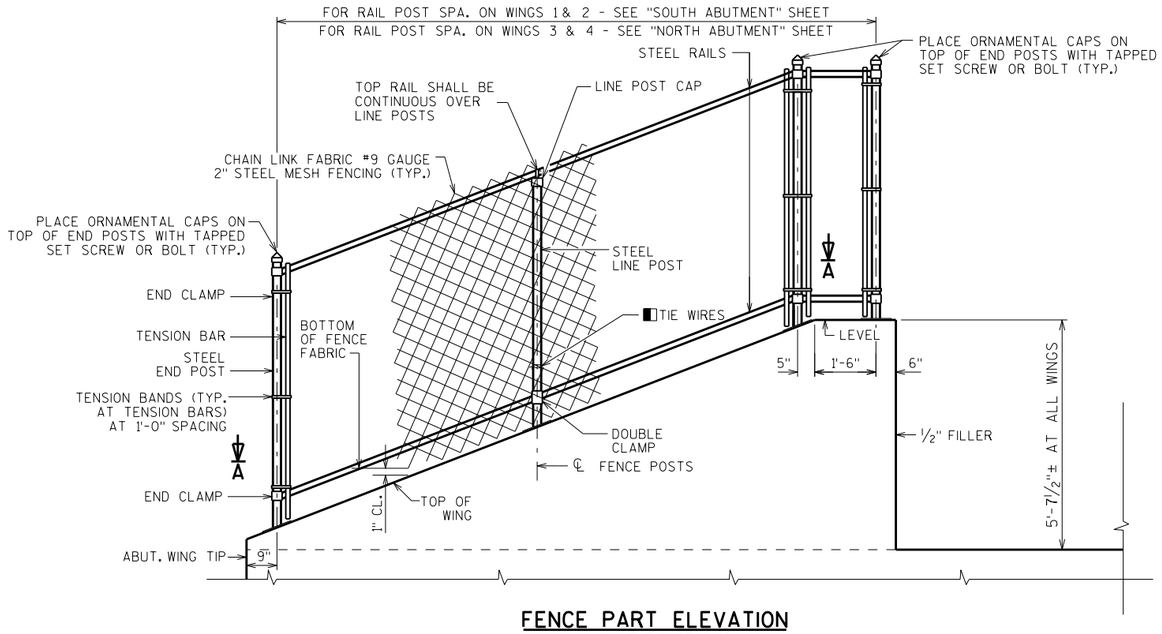
FENCE MEMBER SIZE & WEIGHT

STEEL FENCE MEMBER	OUTSIDE DIAMETER (INCHES)	WEIGHT (LB/FT)
RAILS	1.660	2.27
END POST	2.875	5.80
LINE POST	2.375	3.65
POST SLEEVE	4.000	9.12



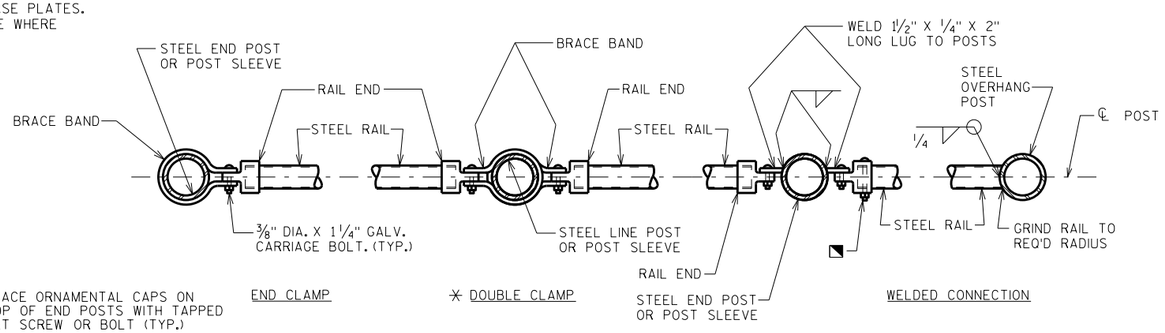
POST SHIM DETAILS

SHIMS REQUIRED ONLY WHEN END POSTS AND LINE POSTS ARE WELDED TO BASE PLATES. PROVIDE 4 SHIMS PER POST. USE WHERE REQUIRED FOR ALIGNMENT.



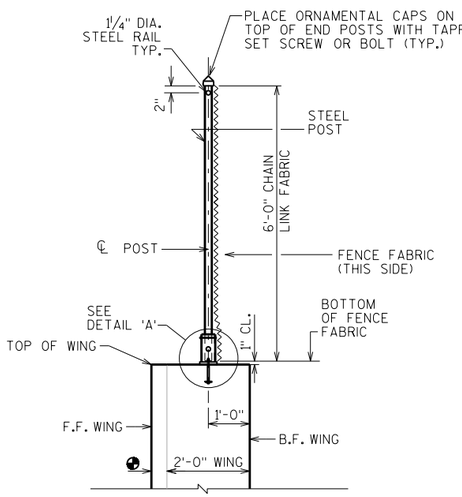
FENCE PART ELEVATION

VIEWING F.F. OF WING
WING 1 SHOWN, OTHERS SIMILAR



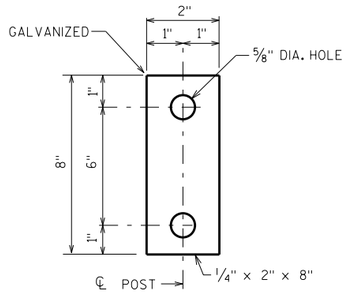
SECTION A-A

NOTE: PLACE ALL BOLT HEADS ON SIDE OF FENCE ADJACENT TO PEDESTRIANS



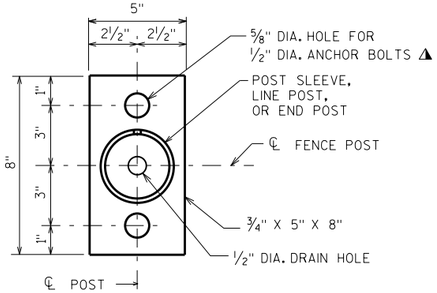
SECTION THRU WING

✪ FORMLINER THICKNESS SEE AESTHETICS SHEET FOR DETAILS

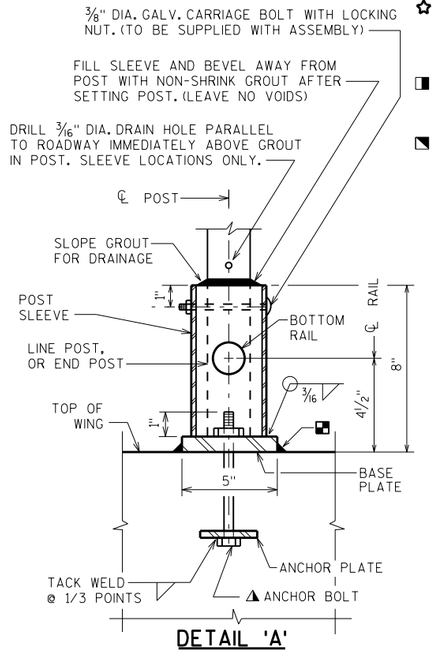


ANCHOR PLATE

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



BASE PLATE



DETAIL 'A'

UNIT SHALL BE GALVANIZED AFTER FABRICATION

NOTE: IN LIEU OF USING THE POST SLEEVE, THE FENCE POST MAY BE WELDED TO THE BASE PLATE.

GENERAL NOTES

POSTS ARE TO BE SET VERTICAL.

ALL FENCE COMPONENTS SHALL BE GALVANIZED STEEL WITH A COLORED POLYMER-COATING ON THE OUTSIDE.

FABRIC SHALL CONFORM TO ASTM F668, CLASS 2B. STEEL RAILS, POSTS AND POST SLEEVES SHALL CONFORM TO ASTM F1083, STANDARD WEIGHT PIPE (SCHEDULE 40). FITTINGS SHALL CONFORM TO ASTM F626. SEE THE "BRIDGE SPECIAL PROVISIONS" FOR ADDITIONAL DETAILS.

THE COLOR OF POLYMER-COATING FOR THIS STRUCTURE SHALL BE BLACK IN ACCORDANCE WITH ASTM F934.

THE BID ITEM SHALL BE "FENCE CHAIN LINK POLYMER-COATED 6-FT. B-5-416"

COMPLETE ANY REQUIRED WELDING OF COMPONENTS BEFORE GALVANIZING.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

BASE PLATES, ANCHOR PLATES AND SHIMS SHALL BE ASTM A709, GRADE 36.

ALL POST SPACINGS ARE MEASURED HORIZONTALLY ALONG THE C/L OF THE POST.

◪ CAULK AROUND PERIMETER OF BASE PLATE AND FILL PORTION OF SLOTTED HOLE AROUND ANCHOR BOLT IN SHIM WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

✳ ALTERNATE TO DOUBLE CLAMP: USE LINE RAIL CLAMP (BOULEVARD) OR 180° BRACE BAND, WHICH MAY BE USED WHEN THE POSTS ARE EITHER BOLTED TO THE POST SLEEVES OR DIRECTLY WELDED TO THE BASE PLATE.

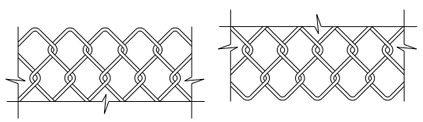
◭ ANCHOR BOLTS, NUTS AND WASHERS SHALL BE EITHER STAINLESS STEEL OR ASTM 307. IF 307 IS USED, ANCHOR BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED. ✪

✪ ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS 5/8-INCH, EMBED 7" IN CONCRETE. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 AND 502.3.14 OF THE STANDARD SPECIFICATIONS.

◨ ATTACH FABRIC TO RAILS, AND TO POSTS WITHOUT TENSION BANDS, WITH TIE WIRES (ROUND, 9-GAGE) SPACED AT 1'-0".

◹ BOLT RAIL TO RAIL END TO SECURE OVERHANG SECTION. ALTERNATE IS TO WELD RAIL DIRECTLY TO END POST.

MINIMUM LENGTH OF TOP RAIL BETWEEN SPLICES SHALL BE 20'-0". LOCATE SPLICES NEAR 1/4 POINT OF POST SPACING.



TOP DETAIL — BOTTOM DETAIL

FENCE FABRIC

FENCE FABRIC WOVEN OF 9-GAGE WIRE IN 2" DIAMOND PATTERN MESH WITH BOTH THE TOP AND BOTTOM SELVAGES KNUCKLED.

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STRUCTURE B-5-416

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FENCING DETAILS

SHEET 20

814

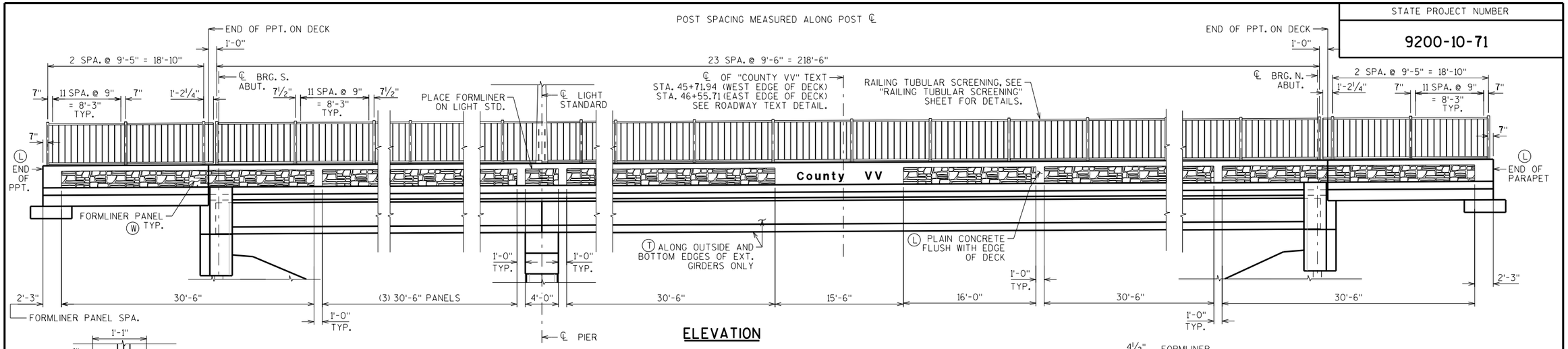
SCALE = 5.33333

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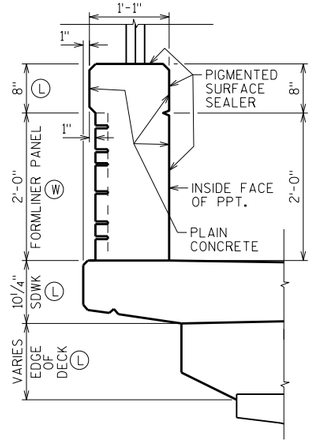
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STATE PROJECT NUMBER

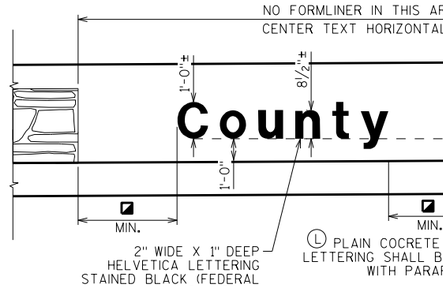
9200-10-71



ELEVATION

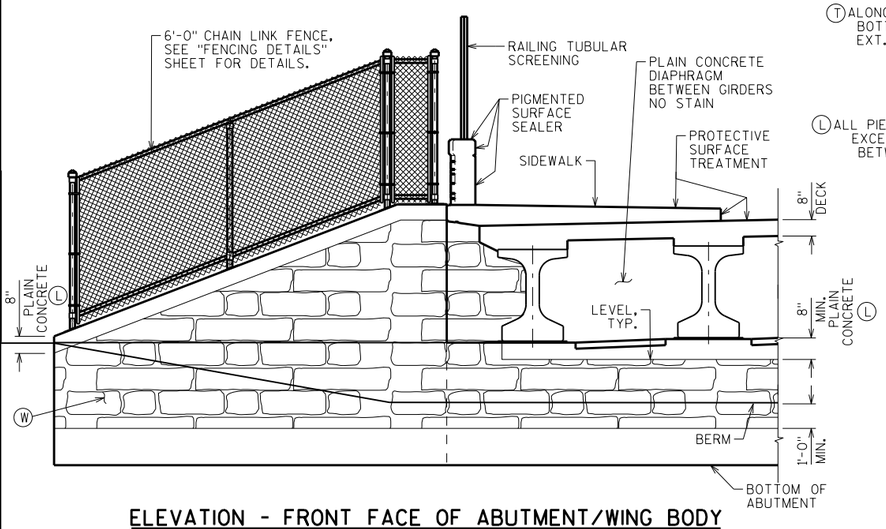


PARAPET DETAIL



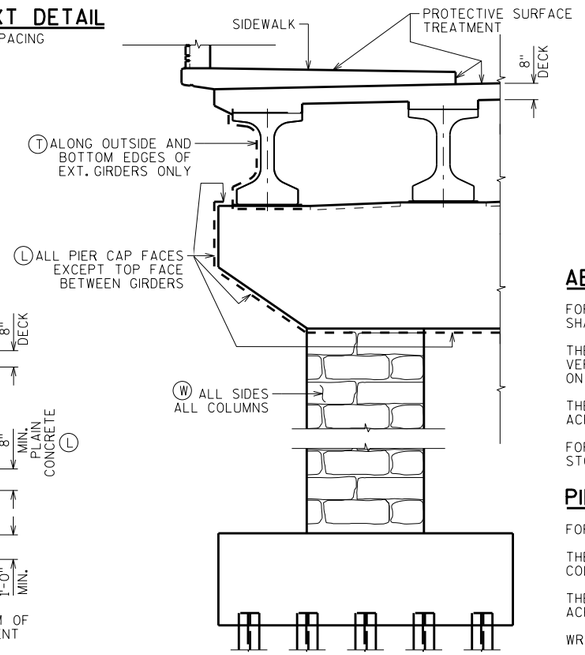
ROADWAY TEXT DETAIL

◪ 2 LETTER SPACING



ELEVATION - FRONT FACE OF ABUTMENT/WING BODY

WING 1 SHOWN, OTHERS SIMILAR



ELEVATION - PIER COLUMN

COLUMN 1 SHOWN, OTHERS SIMILAR

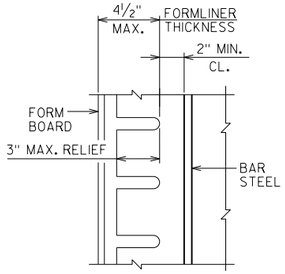
STAINING NOTES

COLOR SAMPLES AND TEST PANEL TO BE APPROVED BY WISDOT PRIOR TO APPLYING STAIN TO STRUCTURE.

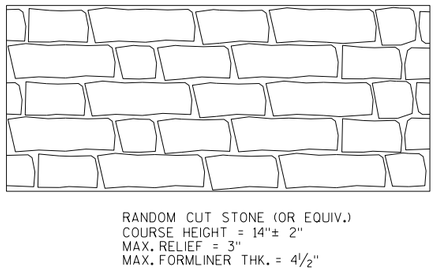
(L) LIGHT TAN STAIN, FS #30315

(T) TAN STAIN, FS #30227

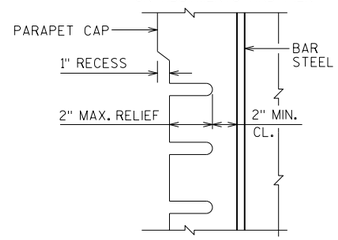
(W) WEATHERED STAIN - SEE STANDARD SPECIAL PROVISION "CONCRETE STAINING MULTI-COLOR B-5-416"



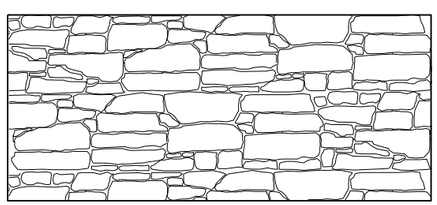
SECTION THRU FORMLINER FOR ABUTMENTS AND PIER



RANDOM CUT STONE (OR EQUIV.)
COURSE HEIGHT = 14"± 2"
MAX. RELIEF = 3"
MAX. FORMLINER THK. = 4½"



SECTION THRU FORMLINER FOR PARAPETS (EXTERIOR FACE)



NEW ENGLAND DRYSTACK (OR EQUIV.)
STONE SIZE = 3" - 24"
MAX RELIEF = 2"

ABUTMENT NOTES

FORMLINER COURSING ON ABUTMENTS AND WINGS SHALL BE LEVEL.

THE FORMLINER COURSING ON THE WINGS SHALL BE VERTICALLY ALIGNED WITH THE FORMLINER COURSING ON THE FRONT OF THE ABUTMENT.

THE FORMLINER PATTERN SHALL BE CONTINUOUS ACROSS CONSTRUCTION JOINTS.

FORMLINER ON ABUTMENTS AND WINGS SHALL BE CUT STONE (OR EQUIVALENT) TO LIMITS SHOWN.

PIER NOTES

FORMLINER COURSING ON PIERS SHALL BE LEVEL.

THE FORMLINER COURSING ON ALL FACES OF EACH COLUMN SHALL BE VERTICALLY ALIGNED.

THE FORMLINER PATTERN SHALL BE CONTINUOUS ACROSS CONSTRUCTION JOINTS.

WRAP AROUND/MATCH FORMLINER PATTERN AT CORNERS.

FORMLINER ON PIER SHALL BE CUT STONE (OR EQUIVALENT) TO LIMITS SHOWN.

FORMLINER DETAILS

PARAPET NOTES

FORMLINER COURSING ON PARAPETS SHALL BE PARALLEL TO TOP OF PARAPET.

FORMLINER ON PARAPET SHALL BE NEW ENGLAND DRYSTACK (OR EQUIVALENT) APPLIED AS PANELS AND SPACED AS SHOWN.

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STRUCTURE B-5-416

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AESTHETICS

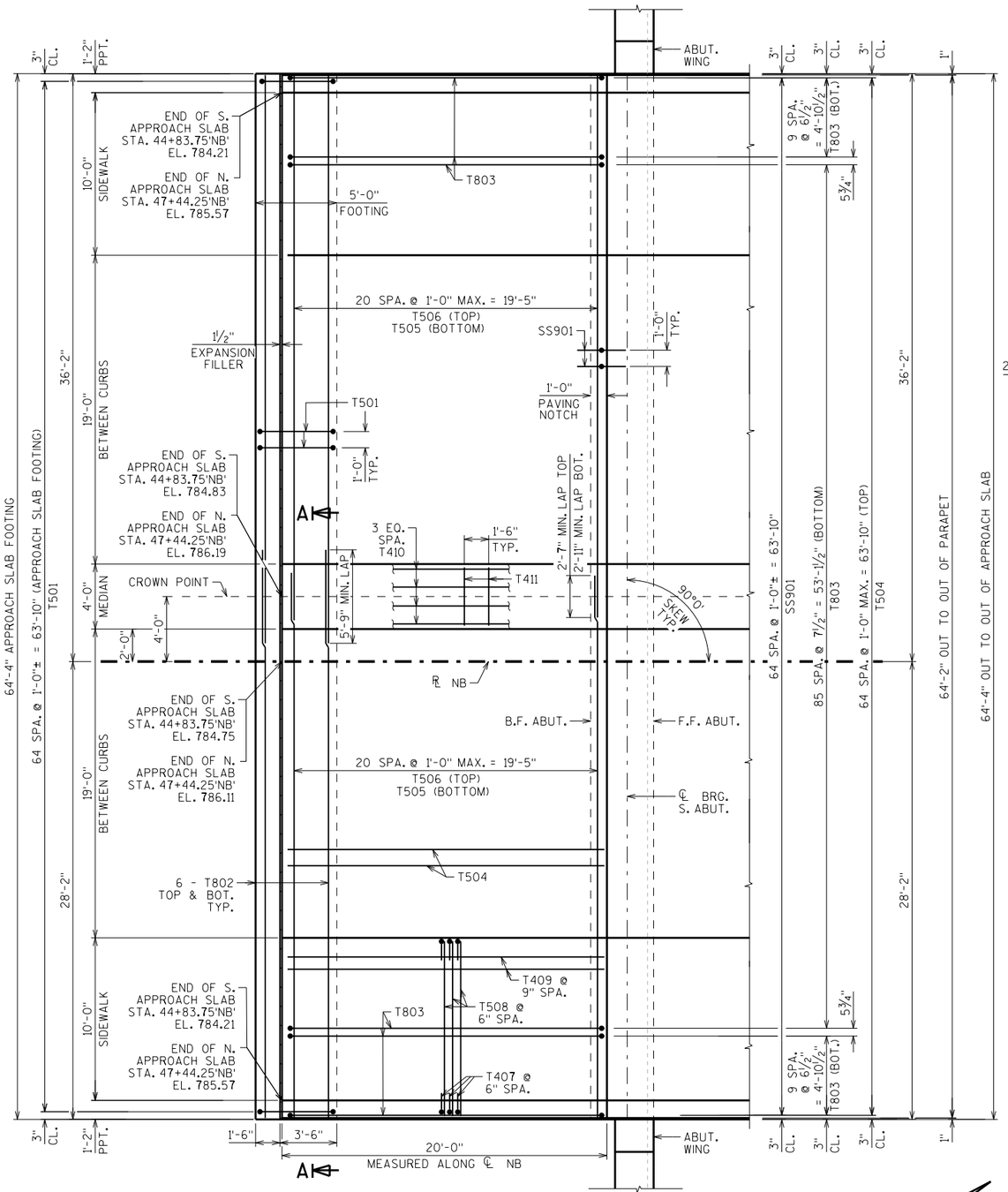
SHEET 21

815

SCALE = 6.0

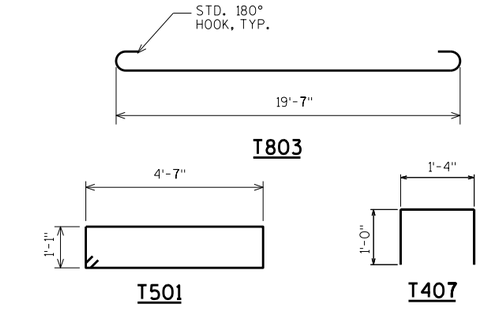
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8



PLAN

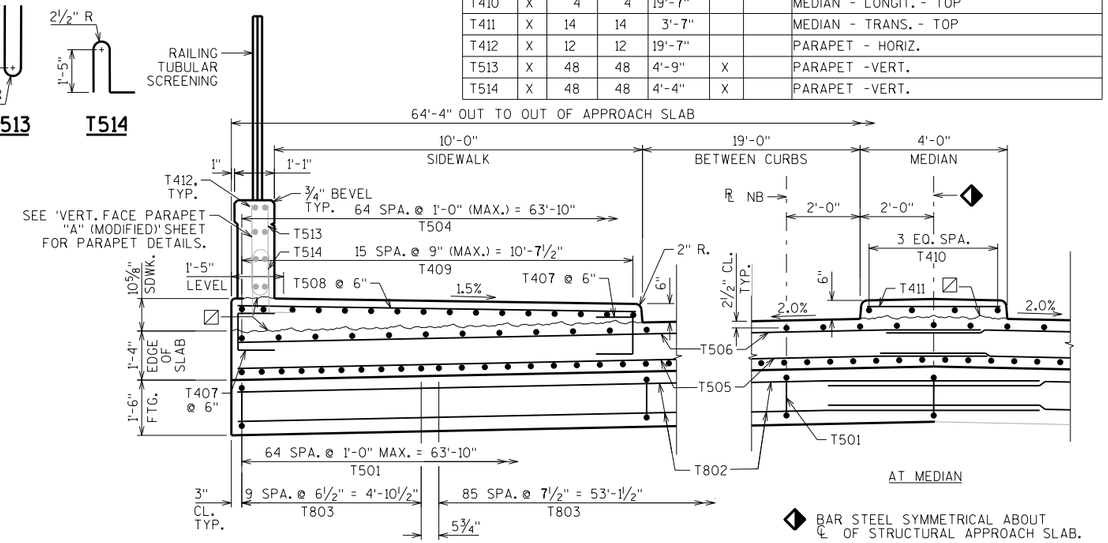
SOUTH APPROACH SLAB SHOWN
NORTH APPROACH SLAB SIMILAR



NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BILL OF BARS

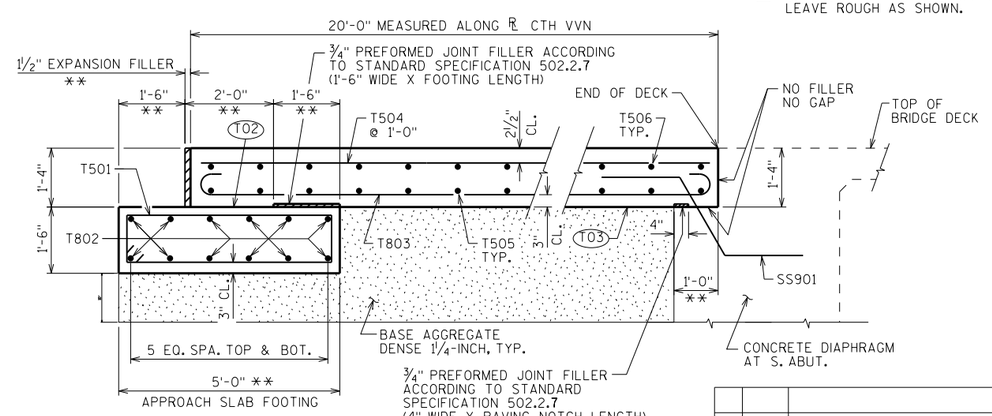
BAR MARK	COAT	NO. REQ'D S. APP.	NO. REQ'D N. APP.	LENGTH	BENT	BAR SERIES	LOCATION
T501	X	65	65	12'-0"	X		FOOTING - STIRRUP
T802	X	24	24	35'-0"			FOOTING - TRANS. - TOP & BOT.
T803	X	106	106	21'-5"	X		SLAB - LONGIT. - BOT.
T504	X	65	65	19'-7"			SLAB - LONGIT. - TOP
T505	X	42	42	33'-7"			SLAB - TRANS. - BOT.
T506	X	42	42	33'-6"			SLAB - TRANS. - TOP
T407	X	168	168	3'-2"	X		SIDEWALK - TIE BAR
T508	X	80	80	10'-9"			SIDEWALK - TRANS. - TOP
T409	X	32	32	19'-7"			SIDEWALK - LONGIT. TOP
T410	X	4	4	19'-7"			MEDIAN - LONGIT. - TOP
T411	X	14	14	3'-7"			MEDIAN - TRANS. - TOP
T412	X	12	12	19'-7"			PARAPET - HORIZ.
T513	X	48	48	4'-9"	X		PARAPET -VERT.
T514	X	48	48	4'-4"	X		PARAPET -VERT.



SECTION A-A

◆ BAR STEEL SYMMETRICAL ABOUT ℄ OF STRUCTURAL APPROACH SLAB.

☒ CONST. JOINT - STRIKE OFF AND LEAVE ROUGH AS SHOWN.



SECTION THRU APPROACH SLAB

APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH SURFACES PRIOR TO POURING STRUCTURAL APPROACH SLAB.

FOR STAINLESS STEEL, SEE 'SUPERSTRUCTURE DETAILS 2' SHEET FOR BILL OF BARS.

** MEASURED NORMAL TO ABUTMENT.

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THICKNESS) OF POLYETHELENE SHEETS OVER THE ENTIRE TOP OF FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THICKNESS) OF POLYETHELENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.

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STRUCTURES DESIGN SECTION

STRUCTURE B-5-416

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STRUCTURAL APPROACH SLAB

SHEET 22

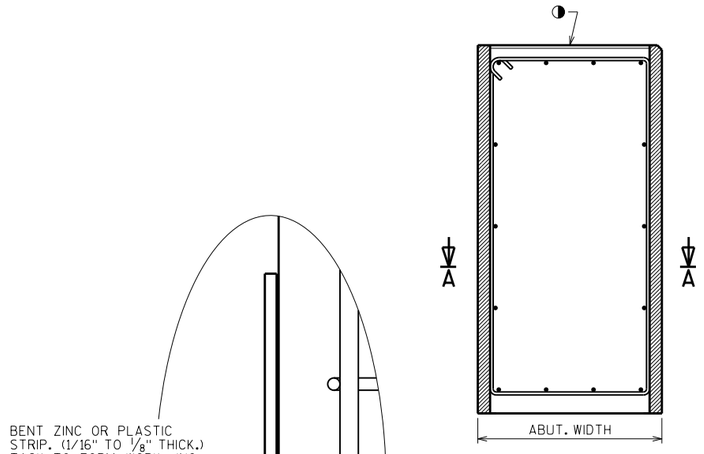
816

8

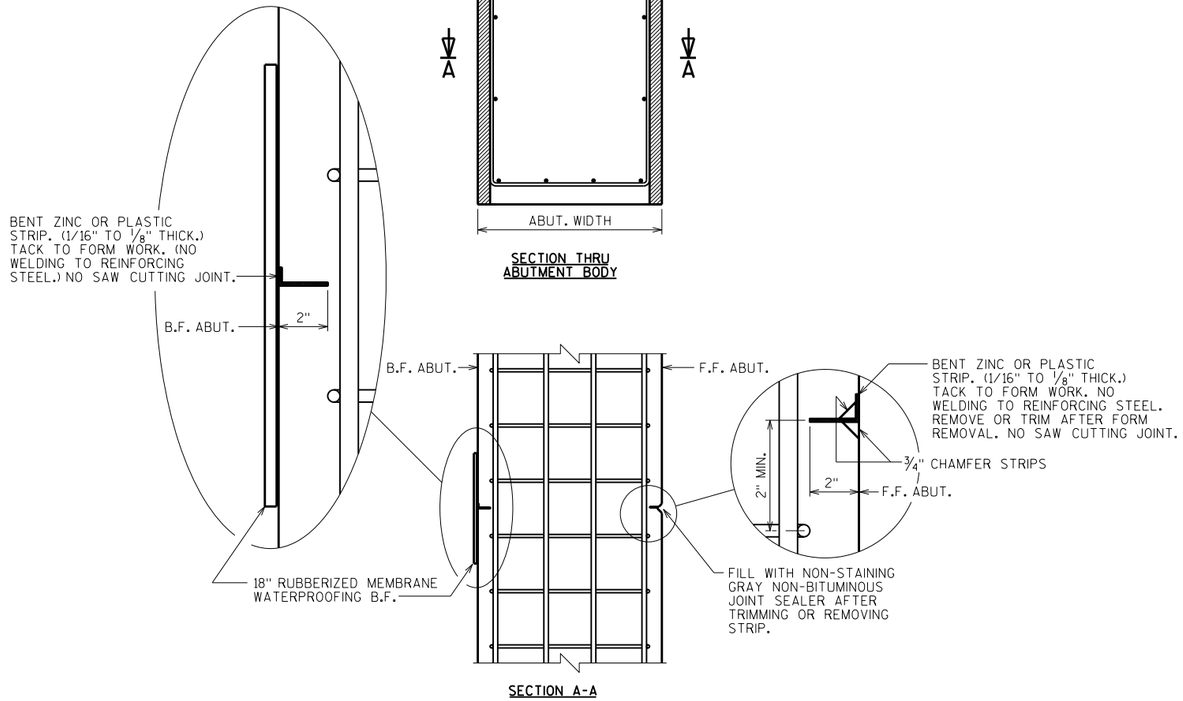
8

SCALE = 4.0

STATE PROJECT NUMBER
9200-10-71



SECTION THRU ABUTMENT BODY



SECTION A-A

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

SAW CUTTING THE CONSTRUCTION JOINT IS NOT ALLOWED.

NOTES

PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

◑ USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY 1/2" DEEP.

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STRUCTURES DESIGN SECTION

STRUCTURE B-5-416

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ALTERNATE CONSTRUCTION JOINT

SHEET 23

817

SCALE = 1.0

8

8

Stage 1 -- Cty VV - NB

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
38+00	1.8	0.0	2044.4	164.0	160.0	82.0	0	0	0	0	0	0	0	0	0	0	0	0
38+50	2.2	0.0	2374.0	168.0	164.0	84.0	4	0	4,091	307	300	154	4	4,548	307	345	108	-4,544
39+00	2.7	0.0	2743.9	176.0	172.0	88.0	4	0	4,739	319	311	159	8	9,885	626	703	219	-9,877
39+50	4.7	0.0	3087.7	182.0	178.0	91.0	7	0	5,400	331	324	166	15	16,024	957	1,075	335	-16,009
40+00	3.7	0.0	3397.1	188.0	184.0	94.0	8	0	6,004	343	335	171	23	22,898	1,300	1,461	455	-22,875
40+50	3.3	0.0	3656.0	194.0	190.0	97.0	6	0	6,531	354	346	177	29	30,408	1,654	1,859	579	-30,379
41+00	4.3	0.0	3938.4	198.0	194.0	99.0	7	0	7,032	363	356	181	36	38,528	2,017	2,268	706	-38,492
41+50	0.0	0.0	2431.0	108.0	106.0	54.0	4	0	5,898	283	278	142	40	45,377	2,300	2,588	805	-45,337
41+75	0.0	0.0	2531.8	126.0	124.0	63.0	0	0	2,298	108	106	54	40	48,049	2,408	2,710	843	-48,008
ROUNDABOUT																		
43+57	0.0	0.0	2515.7	116.0	114.0	58.0	0	0	0	0	0	0	40	48,049	2,408	2,710	843	-48,008
44+00	0.0	0.0	2209.9	98.0	96.0	49.0	0	0	3,763	170	167	85	40	52,437	2,579	2,902	903	-52,397
44+50	0.0	0.0	4052.3	194.0	190.0	97.0	0	0	5,798	270	265	135	40	59,186	2,849	3,207	997	-59,146
					Totals:		40	0	51,553	2,849	2,789	1,425						

Stage 1 -- Cty VV - SB

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
40+85.21	2.3	0.0	1872.4	112.0	110.0	56.0	0	0	0	0	0	0	0	0	0	0	0	0
41+36	3.6	0.0	2152.4	112.0	110.0	56.0	6	0	3,786	211	207	105	6	4,342	211	238	74	-4,337
41+63	2.9	0.0	2435.0	124.0	122.0	61.0	3	0	2,294	118	116	59	9	6,992	329	371	115	-6,983
ROUNDABOUT																		
43+44	0.0	0.0	2432.6	126.0	124.0	63.0	0	0	0	0	0	0	9	6,992	329	371	115	-6,983
43+84	0.0	0.0	2211.0	106.0	104.0	53.0	0	0	3,440	172	169	86	9	10,973	501	566	175	-10,964
44+33	0.0	0.0	2211.0	106.0	104.0	53.0	0	0	4,012	192	189	96	9	15,633	693	566	242	-15,624
					Totals:		9	0	13,531	693	681	346						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 1 -- RAB CTH VV & EB Ramps

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
20+00	0.0	0.0	3504.1	212.0	210.0	106.0	0	0	0	0	0	0	0	0		0	0	0
20+25	0.0	0.0	3406.0	272.0	272.0	136.0	0	0	3,199	224	223	112	0	3,580	224	257	78	-3,580
20+50	0.0	0.0	3495.6	280.0	280.0	140.0	0	0	3,195	256	256	128	0	7,095	480	551	168	-7,095
20+75	0.0	0.0	3747.3	224.0	222.0	112.0	0	0	3,353	233	232	117	0	10,850	713	818	250	-10,850
21+00	0.0	0.0	2519.7	202.0	202.0	101.0	0	0	2,901	197	196	99	0	14,108	910	1,044	319	-14,108
21+25	0.0	0.0	2176.0	174.0	174.0	87.0	0	0	2,174	174	174	87	0	16,499	1,084	1,244	379	-16,499
21+50	0.0	0.0	3007.2	234.0	232.0	117.0	0	0	2,400	189	188	94	0	19,146	1,273	1,460	446	-19,146
21+75	0.0	0.0	4060.0	236.0	234.0	118.0	0	0	3,272	218	216	109	0	22,831	1,491	1,708	522	-22,831
22+00	0.0	0.0	3263.5	264.0	264.0	132.0	0	0	3,391	231	231	116	0	26,636	1,722	1,973	603	-26,636
22+25	0.0	0.0	2876.2	212.0	210.0	106.0	0	0	2,842	220	219	110	0	29,777	1,943	2,225	680	-29,777
22+50	0.0	0.0	3032.1	214.0	212.0	107.0	0	0	2,735	197	195	99	0	32,829	2,140	2,450	749	-32,829
22+75	0.0	0.0	3003.6	236.0	236.0	118.0	0	0	2,794	208	207	104	0	35,933	2,348	2,689	822	-35,933
23+00	0.0	0.0	2167.5	168.0	168.0	84.0	0	0	2,394	187	187	94	0	38,575	2,535	2,904	887	-38,575
23+25	0.0	0.0	2678.8	212.0	212.0	106.0	0	0	2,244	176	176	88	0	41,049	2,711	3,106	949	-41,049
23+50	0.0	0.0	3544.5	214.0	212.0	107.0	0	0	2,881	197	196	99	0	44,282	2,908	3,332	1,018	-44,282
23+64.42	0.0	0.0	3504.1	212.0	210.0	106.0	0	0	1,882	114	113	57	0	46,423	3,022	3,461	1,058	-46,423
					Totals:		0	0	41,658	3,022	3,010	1,511						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 1 -- RAB Marley St & WB Ramps

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
30+00	0.0	0.0	3860.4	220.0	218.0	110.0	0	0	0	0	0	0	0	0	0	0	0	0
30+25	0.0	0.0	3620.0	216.0	214.0	108.0	0	0	3,463	202	200	101	0	3,953	202	230	71	-3,953
30+50	0.0	0.0	3455.0	260.0	260.0	130.0	0	0	3,275	220	219	110	0	7,636	422	482	148	-7,636
30+75	0.0	0.0	3697.9	250.0	248.0	125.0	0	0	3,312	236	235	118	0	11,334	658	753	230	-11,334
31+00	0.0	0.0	3929.5	230.0	228.0	115.0	0	0	3,531	222	220	111	0	15,334	881	1,006	308	-15,334
31+25	0.0	0.0	2589.2	198.0	198.0	99.0	0	0	3,018	198	197	99	0	18,736	1,079	1,233	378	-18,736
31+50	0.0	0.0	2350.5	178.0	178.0	89.0	0	0	2,287	174	174	87	0	21,268	1,253	1,433	438	-21,268
31+75	0.0	0.0	3230.0	234.0	232.0	117.0	0	0	2,584	191	190	95	0	24,141	1,444	1,652	505	-24,141
32+00	0.0	0.0	4186.5	240.0	238.0	120.0	0	0	3,434	219	218	110	0	28,024	1,663	1,902	582	-28,024
32+25	0.0	0.0	3609.5	266.0	266.0	133.0	0	0	3,609	234	233	117	0	32,098	1,897	2,170	664	-32,098
32+50	0.0	0.0	3253.7	218.0	216.0	109.0	0	0	3,177	224	223	112	0	35,651	2,121	2,427	742	-35,651
32+75	0.0	0.0	3457.9	226.0	224.0	113.0	0	0	3,107	206	204	103	0	39,152	2,327	2,661	814	-39,152
33+00	0.0	0.0	2904.9	208.0	208.0	104.0	0	0	2,946	201	200	100	0	42,459	2,528	2,891	885	-42,459
33+25	0.0	0.0	2421.4	174.0	174.0	87.0	0	0	2,466	177	177	88	0	45,210	2,705	3,094	947	-45,210
33+50	0.0	0.0	3213.8	234.0	234.0	117.0	0	0	2,609	189	189	94	0	48,117	2,894	3,312	1,013	-48,117
33+64.42	0.0	0.0	3860.5	220.0	218.0	110.0	0	0	1,889	121	121	61	0	50,252	3,015	3,450	1,055	-50,252
					Totals:		0	0	44,707	3,015	3,000	1,507						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 1 -- Pond Evergreen

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Select Crushed Mat	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
90+17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90+33	0	0	133	0	0	0	0	0	40	0	0	0	0	49	0	0	0	-49
90+45	0	0	279	0	0	0	0	0	92	0	0	0	0	164	0	0	0	-164
90+65	260	0	132	0	0	0	96	0	152	0	0	0	96	354	0	0	0	-258
90+75	394	0	119	0	0	0	121	0	46	0	0	0	218	412	0	0	0	-195
90+89	710	0	112	0	0	0	286	0	60	0	0	0	504	487	0	0	0	17
91+00	782	0	110	0	0	0	304	0	45	0	0	0	808	544	0	0	0	264
91+48	753	0	114	0	0	0	1,365	0	199	0	0	0	2,172	792	0	0	0	1,380
91+59	696	0	112	0	0	0	295	0	46	0	0	0	2,468	850	0	0	0	1,618
91+69	540	0	112	0	0	0	229	0	42	0	0	0	2,697	901	0	0	0	1,795
91+79	539	0	113	0	0	0	200	0	42	0	0	0	2,897	954	0	0	0	1,943
91+89	691	0	116	0	0	0	228	0	42	0	0	0	3,124	1,007	0	0	0	2,117
92+00	737	0	120	0	0	0	291	0	48	0	0	0	3,415	1,067	0	0	0	2,348
92+50	738	0	119	0	0	0	1,366	0	221	0	0	0	4,781	1,343	0	0	0	3,438
93+00	748	0	115	0	0	0	1,376	0	216	0	0	0	6,158	1,614	0	0	0	4,544
93+50	750	0	110	0	0	0	1,387	0	208	0	0	0	7,545	1,873	0	0	0	5,672
94+00	748	0	113	0	0	0	1,387	0	206	0	0	0	8,932	2,131	0	0	0	6,801
94+50	751	0	114	0	0	0	1,388	0	211	0	0	0	10,320	2,395	0	0	0	7,926
95+00	720	0	125	0	0	0	1,361	0	221	0	0	0	11,682	2,671	0	0	0	9,010
95+50	730	0	115	0	0	0	1,342	0	222	0	0	0	13,024	2,949	0	0	0	10,075
95+84	739	0	118	0	0	0	925	0	147	0	0	0	13,948	3,132	0	0	0	10,816
95+96	643	0	120	0	0	0	307	0	53	0	0	0	14,255	3,198	0	0	0	11,057
96+10	345	0	137	0	0	0	256	0	67	0	0	0	14,512	3,282	0	0	0	11,230
96+20	219	0	162	0	0	0	104	0	55	0	0	0	14,616	3,351	0	0	0	11,265
96+40	35	0	328	0	0	0	94	0	181	0	0	0	14,710	3,578	0	0	0	11,132
96+52	6	0	266	0	0	0	9	0	132	0	0	0	14,719	3,743	0	0	0	10,977
96+72	26	0	170	0	0	0	12	0	162	0	0	0	14,731	3,945	0	0	0	10,786
96+73	58	0	0	0	0	0	2	0	3	0	0	0	14,732	3,949	0	0	0	10,784
					Totals:		14,732	0	3,159	0	0	0						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 2 -- Marley St - NB

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
47+25	0	0	3891	206	202	103	0	0	0	0	0	0	0	0	0	0	0	0
47+50	0	0	4033	208	204	104	0	0	3,668	192	188	96	0	4,232	192	216	67	-4,232
48+00	0	0	4826	204	200	102	0	0	8,203	381	374	191	0	13,781	573	646	201	-13,781
48+50	0	0	2593	122	120	61	0	0	6,870	302	296	151	0	21,810	875	987	306	-21,810
48+65	0	0	2706	134	132	67	0	0	1,472	71	70	36	0	23,518	946	1,068	331	-23,518
ROUNDABOUT																		
50+50	0	0	2541	134	132	67	0	0	0	0	0	0	0	23,518	946	1,068	331	-23,518
51+00	0	0	2069	104	102	51	0	0	4,269	220	217	109	0	28,447	1,166	1,317	408	-28,447
51+50	20	0	3813	204	200	102	18	0	5,446	285	280	142	18	34,729	1,452	1,638	507	-34,710
52+00	10	0	3428	192	188	96	27	0	6,705	367	359	183	45	42,433	1,818	2,051	635	-42,387
52+50	4	0	3089	184	180	92	12	0	6,035	348	341	174	58	49,334	2,166	2,443	757	-49,276
53+00	1	0	2728	176	172	88	5	0	5,386	333	326	167	63	55,452	2,500	2,818	874	-55,389
53+50	2	0	2389	170	166	85	3	0	4,738	320	313	160	66	60,784	2,820	3,178	986	-60,718
54+00	8	0	2088	164	160	82	10	0	4,145	309	302	155	76	65,397	3,129	3,525	1,094	-65,321
54+50	7	3	1711	156	152	76	13	6	3,169	289	281	141	89	68,831	3,418	3,849	1,193	-68,747
55+00	10	5	1463	150	146	75	16	7	2,939	283	276	140	105	71,985	3,702	4,166	1,290	-71,893
55+50	8	7	1202	146	142	73	17	11	2,467	274	267	137	122	74,566	3,976	4,473	1,386	-74,468
56+00	13	7	958	138	134	69	20	13	2,000	263	256	131	142	76,584	4,239	4,767	1,478	-76,478
56+50	20	7	777	130	126	65	31	13	1,607	248	241	124	174	78,138	4,487	5,044	1,565	-78,014
57+00	22	7	620	110	106	55	40	13	1,294	222	215	111	213	79,350	4,709	5,291	1,643	-79,200
57+50	75	7	327	116	112	58	90	13	877	209	202	105	303	80,064	4,918	5,523	1,716	-79,837
58+00	70	7	284	114	110	57	134	13	566	213	206	106	438	80,383	5,131	5,759	1,791	-80,034
58+50	37	7	460	122	118	61	99	13	690	219	211	109	536	80,846	5,350	6,002	1,867	-80,412
59+00	22	7	239	64	62	32	54	13	647	172	167	86	590	81,340	5,522	6,194	1,928	-80,865
59+38	13	7	241	82	80	41	24	10	338	103	100	51	615	81,574	5,625	6,309	1,963	-81,084
ROUNDABOUT																		
61+18	1	0	153	0	0	0	0	0	0	0	0	0	615	81,574	5,625	6,309	1,963	-81,084
61+50	10	0	94	0	0	0	7	0	147	0	0	0	621	81,757	5,625	6,309	1,963	-81,261
62+00	101	7	96	0	0	0	102	6	176	0	0	0	724	81,978	5,625	6,309	1,963	-81,385
62+50	165	7	45	0	0	0	246	13	131	0	0	0	970	82,141	5,625	6,309	1,963	-81,316
63+00	97	7	32	0	0	0	243	13	71	0	0	0	1,212	82,230	5,625	6,309	1,963	-81,175
63+50	88	7	47	0	0	0	172	13	73	0	0	0	1,384	82,322	5,625	6,309	1,963	-81,108
63+91	222	20	1	0	0	0	236	20	36	0	0	0	1,620	82,367	5,625	6,309	1,963	-80,938
64+00	232	20	2	0	0	0	76	7	1	0	0	0	1,695	82,367	5,625	6,309	1,963	-80,869
64+50	191	7	19	0	0	0	392	25	19	0	0	0	2,087	82,392	5,625	6,309	1,963	-80,526
65+00	167	7	11	0	0	0	331	13	27	0	0	0	2,419	82,426	5,625	6,309	1,963	-80,242
65+25	161	7	7	0	0	0	152	6	8	0	0	0	2,571	82,436	5,625	6,309	1,963	-80,107
Totals:							2,571	242	74,221	5,625	5,486	2,805						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 2 -- Marley St - SB

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
47+82.84	0	0	2454	120	118	60	0	0	0	0	0	0	0	0	0	0	0	0
48+35	0	0	2724	120	118	60	0	0	5,002	232	228	116	0	5,823	232	262	81	-5,823
48+52	0	0	2970	132	130	65	0	0	1,792	79	78	39	0	7,917	311	352	109	-7,917
ROUNDABOUT																		
50+33	0	0	2598	130	128	64	0	0	0	0	0	0	0	7,917	311	352	109	-7,917
50+79	4	0	2355	104	106	53	3	0	4,219	199	199	100	3	12,817	510	581	178	-12,814
51+28.03	20	0	1950	104	106	53	21	0	3,909	189	192	96	24	17,342	699	581	246	-17,317
MARLEY ST - NB EARTHWORK																		
58+23.09	4.0	0.0	286.8	64.0	62.0	32.0	0	0	0	0	0	0	0	0	0	0	0	-17,317
58+75	1.8	0.0	336.3	64.0	62.0	32.0	6	0	599	123	119	62	6	524	123	137	43	-17,835
59+15	52.5	0.0	157.0	88.0	86.0	44.0	40	0	365	113	110	56	46	773	236	263	82	-18,045
ROUNDABOUT																		
60+94	19.7	7.0	124.1	0.0	0.0	0.0	0	0	0	0	0	0	46	773	236	263	82	-18,045
61+22	11.3	7.0	99.9	0.0	0.0	0.0	16	7	116	0	0	0	62	919	236	263	82	-18,181
61+68.57	8.5	7.0	93.3	0.0	0.0	0.0	17	12	167	0	0	0	79	1,127	236	263	82	-18,385
				Totals:			103	19	16,169	935	927	469						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 2 -- RAB Marley St & Evergreen Ave

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
40+00	2.7	0.0	333.9	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
40+25	0.0	0.0	329.7	0.0	0.0	0.0	1	0	307	0	0	0	1	384	0	0	0	-383
40+50	0.0	0.0	452.8	0.0	0.0	0.0	0	0	362	0	0	0	1	837	0	0	0	-836
40+75	3.0	0.0	463.2	0.0	0.0	0.0	1	0	424	0	0	0	3	1,367	0	0	0	-1,364
41+00	0.0	0.0	404.1	0.0	0.0	0.0	1	0	402	0	0	0	4	1,869	0	0	0	-1,865
41+25	0.0	0.0	346.4	0.0	0.0	0.0	0	0	347	0	0	0	4	2,303	0	0	0	-2,299
41+50	28.5	0.0	472.6	0.0	0.0	0.0	13	0	379	0	0	0	17	2,777	0	0	0	-2,760
41+75	3.1	0.0	521.8	0.0	0.0	0.0	15	0	460	0	0	0	32	3,353	0	0	0	-3,321
42+00	0.0	0.0	563.3	0.0	0.0	0.0	1	0	502	0	0	0	33	3,981	0	0	0	-3,947
42+25	0.0	0.0	733.2	0.0	0.0	0.0	0	0	600	0	0	0	33	4,731	0	0	0	-4,698
42+50	42.7	0.0	557.3	0.0	0.0	0.0	20	0	597	0	0	0	53	5,478	0	0	0	-5,425
42+75	0.0	0.0	444.5	0.0	0.0	0.0	20	0	464	0	0	0	73	6,057	0	0	0	-5,985
43+00	0.0	0.0	402.4	0.0	0.0	0.0	0	0	392	0	0	0	73	6,547	0	0	0	-6,475
43+25	10.9	0.0	547.2	0.0	0.0	0.0	5	0	440	0	0	0	78	7,097	0	0	0	-7,019
43+50	2.0	0.0	402.0	0.0	0.0	0.0	6	0	439	0	0	0	84	7,646	0	0	0	-7,563
43+64.41	2.7	0.0	333.9	0.0	0.0	0.0	1	0	196	0	0	0	85	7,892	0	0	0	-7,807
					Totals:		85	0	6,313	0	0	0						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 2 -- Future Evergreen Ave - EB

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
597+50	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
597+66	0	0	462	0	0	0	0	0	138	0	0	0	0	173	0	0	0	-172
598+00	5	0	251	0	0	0	3	0	449	0	0	0	3	733	0	0	0	-730
598+38	18	0	345	0	0	0	16	0	419	0	0	0	19	1,257	0	0	0	-1,238
					Totals:		19	0	1,006	0	0	0						

Stage 2 -- Future Evergreen Ave - WB

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Select Crushed Mat	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
597+65.72	0.0	0.0	242.2	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
598+01	0.0	0.0	93.4	0.0	0.0	0.0	0	0	219	0	0	0	0	274	0	0	0	-274
598+42	36.4	0.0	144.1	0.0	0.0	0.0	28	0	180	0	0	0	28	500	0	0	0	-472
					Totals:		28	0	400	0	0	0						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 2 -- Evergreen Ave - EB

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Select Crushed Mat	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
600+18	10.5	0.0	48.8	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
600+50	13.4	0.0	28.4	0.0	0.0	0.0	14	0	46	0	0	0	14	57	0	0	0	-43
601+00	13.5	0.0	115.8	0.0	0.0	0.0	25	0	134	0	0	0	39	224	0	0	0	-185
601+50	3.4	0.0	163.2	0.0	0.0	0.0	16	0	258	0	0	0	55	547	0	0	0	-492
602+00	56.7	0.0	100.3	0.0	0.0	0.0	56	0	244	0	0	0	110	852	0	0	0	-742
602+50	76.8	0.0	81.1	0.0	0.0	0.0	124	0	168	0	0	0	234	1,062	0	0	0	-828
603+00	111.3	0.0	46.5	0.0	0.0	0.0	174	0	118	0	0	0	408	1,210	0	0	0	-801
603+50	138.9	0.0	21.3	0.0	0.0	0.0	232	0	63	0	0	0	640	1,288	0	0	0	-648
604+00	150.7	0.0	13.5	0.0	0.0	0.0	268	0	32	0	0	0	908	1,328	0	0	0	-420
604+50	143.6	0.0	19.2	0.0	0.0	0.0	272	0	30	0	0	0	1,180	1,366	0	0	0	-186
605+00	109.4	0.0	47.2	0.0	0.0	0.0	234	0	62	0	0	0	1,415	1,443	0	0	0	-28
605+50	103.5	0.0	55.9	0.0	0.0	0.0	197	0	95	0	0	0	1,612	1,562	0	0	0	49
606+00	124.9	0.0	36.6	0.0	0.0	0.0	211	0	86	0	0	0	1,823	1,669	0	0	0	154
606+50	123.7	0.0	40.3	0.0	0.0	0.0	230	0	71	0	0	0	2,053	1,758	0	0	0	295
607+00	123.6	0.0	35.3	0.0	0.0	0.0	229	0	70	0	0	0	2,282	1,846	0	0	0	437
607+50	132.0	0.0	31.3	0.0	0.0	0.0	237	0	62	0	0	0	2,519	1,923	0	0	0	596
608+00	134.1	0.0	36.7	0.0	0.0	0.0	246	0	63	0	0	0	2,765	2,002	0	0	0	764
608+50	114.4	0.0	39.0	0.0	0.0	0.0	230	0	70	0	0	0	2,995	2,089	0	0	0	906
609+00	120.8	0.0	34.6	0.0	0.0	0.0	218	0	68	0	0	0	3,213	2,175	0	0	0	1,039
609+50	135.2	0.0	28.5	0.0	0.0	0.0	237	0	58	0	0	0	3,450	2,248	0	0	0	1,202
610+00	181.4	0.0	8.1	0.0	0.0	0.0	293	0	34	0	0	0	3,743	2,290	0	0	0	1,453
610+50	187.7	0.0	8.2	0.0	0.0	0.0	342	0	15	0	0	0	4,085	2,309	0	0	0	1,776
611+00	140.4	0.0	23.4	0.0	0.0	0.0	304	0	29	0	0	0	4,389	2,346	0	0	0	2,043
611+50	148.2	0.0	25.7	0.0	0.0	0.0	267	0	46	0	0	0	4,656	2,403	0	0	0	2,253
612+00	149.4	0.0	30.1	0.0	0.0	0.0	276	0	52	0	0	0	4,932	2,467	0	0	0	2,464
612+50	115.0	0.0	46.7	0.0	0.0	0.0	245	0	71	0	0	0	5,176	2,556	0	0	0	2,620
613+00	122.9	0.0	39.1	0.0	0.0	0.0	220	0	79	0	0	0	5,397	2,655	0	0	0	2,741
613+50	125.2	0.0	39.2	0.0	0.0	0.0	230	0	72	0	0	0	5,626	2,746	0	0	0	2,880
614+00	126.7	0.0	38.5	0.0	0.0	0.0	233	0	72	0	0	0	5,860	2,836	0	0	0	3,024
614+50	128.3	0.0	35.5	0.0	0.0	0.0	236	0	68	0	0	0	6,096	2,921	0	0	0	3,175
615+00	139.6	0.0	29.2	0.0	0.0	0.0	248	0	60	0	0	0	6,344	2,996	0	0	0	3,348
615+50	160.5	0.0	16.1	0.0	0.0	0.0	278	0	42	0	0	0	6,622	3,049	0	0	0	3,573
616+00	153.5	0.0	21.3	0.0	0.0	0.0	291	0	35	0	0	0	6,913	3,092	0	0	0	3,821
616+50	132.5	0.0	33.9	0.0	0.0	0.0	265	0	51	0	0	0	7,178	3,156	0	0	0	4,022
617+00	116.0	0.0	51.3	0.0	0.0	0.0	230	0	79	0	0	0	7,408	3,255	0	0	0	4,153

CONTINUED

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 2 -- Evergreen Ave - EB CONTINUED

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
617+50	99.6	0.0	68.1	0.0	0.0	0.0	200	0	111	0	0	0	7,607	3,393	0	0	0	4,215
618+00	95.9	0.0	80.1	0.0	0.0	0.0	181	0	137	0	0	0	7,788	3,564	0	0	0	4,224
618+50	81.5	0.0	91.2	0.0	0.0	0.0	164	0	159	0	0	0	7,953	3,763	0	0	0	4,190
619+00	67.4	0.0	100.9	0.0	0.0	0.0	138	0	178	0	0	0	8,090	3,985	0	0	0	4,106
619+50	67.3	0.0	91.6	0.0	0.0	0.0	125	0	178	0	0	0	8,215	4,208	0	0	0	4,008
620+00	173.0	0.0	19.3	0.0	0.0	0.0	222	0	103	0	0	0	8,438	4,336	0	0	0	4,102
620+50	191.5	0.0	19.0	0.0	0.0	0.0	337	0	35	0	0	0	8,775	4,380	0	0	0	4,395
621+00	131.4	0.0	36.4	0.0	0.0	0.0	299	0	51	0	0	0	9,074	4,444	0	0	0	4,630
621+50	128.5	0.0	37.8	0.0	0.0	0.0	241	0	69	0	0	0	9,315	4,530	0	0	0	4,784
622+00	139.7	0.0	22.6	0.0	0.0	0.0	248	0	56	0	0	0	9,563	4,600	0	0	0	4,963
622+50	155.0	0.0	14.2	0.0	0.0	0.0	273	0	34	0	0	0	9,836	4,643	0	0	0	5,193
623+00	259.8	0.0	0.0	0.0	0.0	0.0	384	0	13	0	0	0	10,220	4,659	0	0	0	5,561
623+32	298.2	0.0	0.0	0.0	0.0	0.0	331	0	0	0	0	0	10,550	4,659	0	0	0	5,891
623+50	306.8	0.0	0.0	0.0	0.0	0.0	202	0	0	0	0	0	10,752	4,659	0	0	0	6,093
624+00	208.9	0.0	2.1	0.0	0.0	0.0	477	0	2	0	0	0	11,230	4,662	0	0	0	6,568
624+50	211.7	0.0	1.7	0.0	0.0	0.0	389	0	3	0	0	0	11,619	4,666	0	0	0	6,953
625+00	187.0	0.0	5.5	0.0	0.0	0.0	369	0	7	0	0	0	11,988	4,674	0	0	0	7,314
625+50	177.1	0.0	9.9	0.0	0.0	0.0	337	0	14	0	0	0	12,325	4,692	0	0	0	7,633
626+00	154.2	0.0	13.4	0.0	0.0	0.0	307	0	21	0	0	0	12,632	4,719	0	0	0	7,913
626+50	153.7	0.0	11.5	0.0	0.0	0.0	285	0	23	0	0	0	12,917	4,748	0	0	0	8,169
627+00	151.7	0.0	14.0	0.0	0.0	0.0	283	0	24	0	0	0	13,200	4,777	0	0	0	8,423
627+50	144.7	0.0	18.3	0.0	0.0	0.0	274	0	30	0	0	0	13,474	4,815	0	0	0	8,660
628+00	155.8	0.0	17.8	0.0	0.0	0.0	278	0	33	0	0	0	13,753	4,857	0	0	0	8,896
628+50	195.4	0.0	3.8	0.0	0.0	0.0	325	0	20	0	0	0	14,078	4,882	0	0	0	9,196
629+00	176.3	0.0	6.8	0.0	0.0	0.0	344	0	10	0	0	0	14,422	4,894	0	0	0	9,528
629+50	168.9	0.0	14.0	0.0	0.0	0.0	320	0	19	0	0	0	14,742	4,918	0	0	0	9,824
630+00	135.9	0.0	22.2	0.0	0.0	0.0	282	0	33	0	0	0	15,024	4,960	0	0	0	10,064
630+50	156.6	0.0	8.0	0.0	0.0	0.0	271	0	28	0	0	0	15,295	4,994	0	0	0	10,300
631+00	124.8	0.0	36.2	0.0	0.0	0.0	261	0	41	0	0	0	15,555	5,046	0	0	0	10,509
631+50	60.3	0.0	96.7	0.0	0.0	0.0	171	0	123	0	0	0	15,726	5,200	0	0	0	10,527
632+00	70.4	0.0	87.6	0.0	0.0	0.0	121	0	171	0	0	0	15,847	5,413	0	0	0	10,435
632+50	52.8	0.0	110.7	0.0	0.0	0.0	114	0	184	0	0	0	15,961	5,643	0	0	0	10,319
633+00	19.0	0.0	156.1	0.0	0.0	0.0	66	0	247	0	0	0	16,028	5,951	0	0	0	10,077
633+50	11.9	0.0	172.9	0.0	0.0	0.0	29	0	305	0	0	0	16,057	6,332	0	0	0	9,725
634+00	1.7	0.0	222.6	0.0	0.0	0.0	13	0	366	0	0	0	16,069	6,790	0	0	0	9,279

CONTINUED

Notes:	
1 - Cut	Cut includes unusable pavement material
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3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 2 -- Evergreen Ave - EB CONTINUED

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
634+50	2.1	0.0	232.5	0.0	0.0	0.0	0	0	0	0	0	0	16,069	6,790	0	0	0	9,279
635+00	0.0	0.0	96.7	0.0	0.0	0.0	2	0	305	0	0	0	16,071	7,171	0	0	0	8,900
635+50	8.0	0.0	79.8	0.0	0.0	0.0	7	0	163	0	0	0	16,079	7,375	0	0	0	8,704
636+00	65.7	0.0	80.6	0.0	0.0	0.0	68	0	149	0	0	0	16,147	7,561	0	0	0	8,586
636+50	127.1	0.0	73.7	0.0	0.0	0.0	178	0	143	0	0	0	16,325	7,739	0	0	0	8,586
637+00	76.7	0.0	61.9	0.0	0.0	0.0	189	0	126	0	0	0	16,514	7,896	0	0	0	8,618
637+17	86.3	0.0	57.6	0.0	0.0	0.0	51	0	38	0	0	0	16,565	7,943	0	0	0	8,622
637+50	119.6	0.0	68.9	0.0	0.0	0.0	126	0	77	0	0	0	16,691	8,040	0	0	0	8,651
637+71	104.0	0.0	40.4	0.0	0.0	0.0	87	0	43	0	0	0	16,778	8,093	0	0	0	8,685
638+00	121.6	0.0	30.3	0.0	0.0	0.0	121	0	38	0	0	0	16,899	8,140	0	0	0	8,759
638+23	117.5	0.0	24.9	0.0	0.0	0.0	102	0	24	0	0	0	17,001	8,170	0	0	0	8,831
638+50	116.9	0.0	24.1	0.0	0.0	0.0	117	0	25	0	0	0	17,118	8,200	0	0	0	8,918
639+00	103.3	0.0	30.0	0.0	0.0	0.0	204	0	50	0	0	0	17,322	8,263	0	0	0	9,059
639+50	95.9	0.0	34.3	0.0	0.0	0.0	184	0	60	0	0	0	17,507	8,337	0	0	0	9,169
640+00	107.2	0.0	20.6	0.0	0.0	0.0	188	0	51	0	0	0	17,695	8,401	0	0	0	9,294
640+50	92.7	0.0	34.6	0.0	0.0	0.0	185	0	51	0	0	0	17,880	8,465	0	0	0	9,415
641+00	89.7	0.0	28.8	0.0	0.0	0.0	169	0	59	0	0	0	18,049	8,538	0	0	0	9,510
641+50	87.5	0.0	18.2	0.0	0.0	0.0	164	0	44	0	0	0	18,213	8,593	0	0	0	9,620
642+00	81.9	0.0	9.2	0.0	0.0	0.0	157	0	25	0	0	0	18,370	8,625	0	0	0	9,745
642+50	78.2	0.0	6.2	0.0	0.0	0.0	148	0	14	0	0	0	18,518	8,643	0	0	0	9,875
					Totals:		18,518	0	6,914	0	0	0						

Stage 2 -- Evergreen Ave - WB

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Select Crushed Mat	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
600+14	7.9	0.0	133.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
600+43	8.7	0.0	103.5	0.0	0.0	0.0	9	0	127	0	0	0	9	159	0	0	0	-150
600+89.89	0.0	0.0	102.2	0.0	0.0	0.0	8	0	179	0	0	0	16	382	0	0	0	-366
					Totals:		16	0	306	0	0	0						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 2 -- Connection Rd

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Select Crushed Mat	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
700+50	160.4	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
701+00	122.2	0.0	0.0	0.0	0.0	0.0	262	0	0	0	0	0	262	0	0	0	0	262
701+50	162.0	0.0	0.0	0.0	0.0	0.0	263	0	0	0	0	0	525	0	0	0	0	525
702+00	188.1	0.0	0.0	0.0	0.0	0.0	324	0	0	0	0	0	849	0	0	0	0	849
702+50	138.3	0.0	0.0	0.0	0.0	0.0	302	0	0	0	0	0	1,151	0	0	0	0	1,151
703+00	163.9	0.0	0.0	0.0	0.0	0.0	280	0	0	0	0	0	1,431	0	0	0	0	1,431
703+50	200.7	0.0	0.0	0.0	0.0	0.0	338	0	0	0	0	0	1,769	0	0	0	0	1,769
704+00	211.0	0.0	0.0	0.0	0.0	0.0	381	0	0	0	0	0	2,150	0	0	0	0	2,150
704+25	246.1	0.0	0.0	0.0	0.0	0.0	212	0	0	0	0	0	2,362	0	0	0	0	2,362
704+50	182.4	0.0	1.5	0.0	0.0	0.0	198	0	1	0	0	0	2,560	1	0	0	0	2,559
705+00	278.2	42.0	23.1	0.0	0.0	0.0	426	39	23	0	0	0	2,987	29	0	0	0	2,918
705+50	183.9	32.0	21.5	0.0	0.0	0.0	428	69	41	0	0	0	3,415	81	0	0	0	3,226
706+00	104.5	25.0	0.4	0.0	0.0	0.0	267	53	20	0	0	0	3,682	106	0	0	0	3,415
706+50	106.8	50.0	0.0	0.0	0.0	0.0	196	69	0	0	0	0	3,877	107	0	0	0	3,541
707+00	136.4	20.0	0.0	0.0	0.0	0.0	225	65	0	0	0	0	4,102	107	0	0	0	3,701
707+50	143.8	20.0	0.0	0.0	0.0	0.0	259	37	0	0	0	0	4,362	107	0	0	0	3,924
708+00	58.3	20.0	27.3	0.0	0.0	0.0	187	37	25	0	0	0	4,549	139	0	0	0	4,042
708+17	76.2	20.0	53.9	0.0	0.0	0.0	42	13	26	0	0	0	4,591	170	0	0	0	4,040
708+58	57.7	20.0	114.8	0.0	0.0	0.0	102	30	128	0	0	0	4,693	331	0	0	0	3,951
708+80	76.4	20.0	139.9	0.0	0.0	0.0	55	16	104	0	0	0	4,748	460	0	0	0	3,860
709+05	64.6	20.0	126.9	0.0	0.0	0.0	65	19	123	0	0	0	4,813	615	0	0	0	3,752
709+22	59.9	20.0	107.3	0.0	0.0	0.0	39	13	74	0	0	0	4,852	707	0	0	0	3,687
				Totals:			4,852	459	565	0	0	0						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 2 -- Pond CTH VV

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Select Crushed Mat	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
70+18	122.9	22.0	218.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70+50	98.9	22.0	330.5	0	0	0	131	26	325	0	0	0	131	406	0	0	0	-301
70+65	351.0	22.0	125.9	0	0	0	125	12	127	0	0	0	256	565	0	0	0	-347
70+76	456.6	11.0	115.4	0	0	0	164	7	49	0	0	0	421	626	0	0	0	-250
70+90	653.2	0.0	98.6	0	0	0	288	3	55	0	0	0	709	696	0	0	0	-35
71+50	631.3	0.0	117.7	0	0	0	1,427	0	240	0	0	0	2,136	996	0	0	0	1,092
72+02	660.9	0.0	106.1	0	0	0	1,244	0	216	0	0	0	3,380	1,265	0	0	0	2,067
72+12	497.6	0.0	107.7	0	0	0	215	0	40	0	0	0	3,595	1,315	0	0	0	2,232
72+26	486.3	0.0	111.7	0	0	0	255	0	57	0	0	0	3,850	1,386	0	0	0	2,416
72+36	6662.6	0.0	111.9	0	0	0	1,324	0	41	0	0	0	5,174	1,438	0	0	0	3,688
72+71	656.2	0.0	108.2	0	0	0	4,744	0	143	0	0	0	9,917	1,616	0	0	0	8,253
72+85	380.8	0.0	109.6	0	0	0	269	0	56	0	0	0	10,186	1,687	0	0	0	8,452
72+95	276.8	0.0	117.4	0	0	0	122	0	42	0	0	0	10,308	1,739	0	0	0	8,521
73+11	3.3	0.0	319.4	0	0	0	83	0	129	0	0	0	10,391	1,901	0	0	0	8,442
73+23	3.7	0.0	222.1	0	0	0	2	0	120	0	0	0	10,393	2,051	0	0	0	8,293
				Totals:			10,393	48	1,641	0	0	0						

Stage 2 -- Millwood Ct

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
798+25	40.4	7.0	0.6	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
798+50	48.2	7.0	0.0	0.0	0.0	0.0	41	6	0	0	0	0	41	0	0	0	0	34
798+87	66.3	8.0	0.7	0.0	0.0	0.0	78	10	0	0	0	0	119	1	0	0	0	102
799+00	67.8	8.0	2.3	0.0	0.0	0.0	32	4	1	0	0	0	152	2	0	0	0	129
799+35	63.8	8.0	14.5	0.0	0.0	0.0	85	10	11	0	0	0	237	15	0	0	0	191
				Totals:			237	31	12	0	0	0						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 2 -- Pond CTH TS

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Select Crushed Mat	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
80+15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80+19	0	0	43	0	0	0	0	0	3	0	0	0	0	4	0	0	0	-4
80+31	0	0	90	0	0	0	0	0	30	0	0	0	0	41	0	0	0	-41
80+51	366	0	41	0	0	0	136	0	49	0	0	0	136	102	0	0	0	34
80+61	496	0	40	0	0	0	160	0	15	0	0	0	295	121	0	0	0	175
80+75	761	0	42	0	0	0	326	0	21	0	0	0	621	147	0	0	0	474
81+02	752	0	50	0	0	0	757	0	46	0	0	0	1,378	205	0	0	0	1,173
81+13	602	0	52	0	0	0	276	0	21	0	0	0	1,654	231	0	0	0	1,423
81+22	591	0	54	0	0	0	199	0	18	0	0	0	1,853	253	0	0	0	1,600
81+33	731	0	58	0	0	0	269	0	23	0	0	0	2,122	281	0	0	0	1,841
81+75	703	0	79	0	0	0	1,115	0	107	0	0	0	3,237	414	0	0	0	2,823
82+13	656	0	100	0	0	0	956	0	126	0	0	0	4,193	572	0	0	0	3,621
82+27	366	0	107	0	0	0	265	0	54	0	0	0	4,458	639	0	0	0	3,819
82+37	226	0	129	0	0	0	110	0	44	0	0	0	4,567	693	0	0	0	3,874
82+57	0	0	330	0	0	0	84	0	170	0	0	0	4,651	906	0	0	0	3,745
82+69	11	0	268	0	0	0	2	0	133	0	0	0	4,653	1,072	0	0	0	3,581
82+89	13	0	260	0	0	0	9	0	196	0	0	0	4,662	1,317	0	0	0	3,345
83+02	15	0	45	0	0	0	7	0	73	0	0	0	4,669	1,409	0	0	0	3,260
83+25	4	0	17	0	0	0	8	0	26	0	0	0	4,677	1,442	0	0	0	3,235
83+45	20	0	9	0	0	0	9	0	10	0	0	0	4,686	1,454	0	0	0	3,232
Totals:							4,686	0	1,163	0	0	0						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 2 -- CTH TS - EB

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Select Crushed Mat	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
100+18	0	0	365	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100+50	0	0	298	0	0	0	0	0	393	0	0	0	0	491	0	0	0	-491
101+00	0	0	578	0	0	0	0	0	812	0	0	0	0	1,506	0	0	0	-1,506
101+50	0	0	575	0	0	0	0	0	1,068	0	0	0	0	2,841	0	0	0	-2,841
102+00	0	0	571	0	0	0	0	0	1,062	0	0	0	0	4,168	0	0	0	-4,168
102+50	0	0	548	0	0	0	0	0	1,037	0	0	0	0	5,464	0	0	0	-5,464
103+00	0	0	523	0	0	0	0	0	992	0	0	0	0	6,704	0	0	0	-6,704
103+50	0	0	491	0	0	0	0	0	939	0	0	0	0	7,879	0	0	0	-7,879
104+00	0	0	487	0	0	0	0	0	906	0	0	0	0	9,011	0	0	0	-9,011
104+50	0	0	473	0	0	0	0	0	889	0	0	0	0	10,121	0	0	0	-10,121
105+00	0	0	524	0	0	0	0	0	923	0	0	0	0	11,275	0	0	0	-11,275
105+50	0	0	565	0	0	0	0	0	1,009	0	0	0	0	12,536	0	0	0	-12,536
106+00	0	0	580	0	0	0	0	0	1,060	0	0	0	0	13,862	0	0	0	-13,862
106+50	0	0	629	0	0	0	0	0	1,119	0	0	0	0	15,260	0	0	0	-15,260
107+00	0	0	823	0	0	0	0	0	1,344	0	0	0	0	16,941	0	0	0	-16,941
107+50	0	0	1021	0	0	0	0	0	1,707	0	0	0	0	19,075	0	0	0	-19,075
108+00	0	0	889	0	0	0	0	0	1,768	0	0	0	0	21,285	0	0	0	-21,284
108+50	4	0	589	0	0	0	4	0	1,368	0	0	0	4	22,995	0	0	0	-22,990
109+00	2	0	494	0	0	0	5	0	1,003	0	0	0	10	24,248	0	0	0	-24,238
109+50	6	0	374	0	0	0	8	0	804	0	0	0	17	25,253	0	0	0	-25,236
110+00	31	0	207	0	0	0	34	0	539	0	0	0	51	25,926	0	0	0	-25,875
110+50	61	0	173	0	0	0	85	0	352	0	0	0	136	26,366	0	0	0	-26,230
111+00	114	0	122	0	0	0	162	0	273	0	0	0	299	26,707	0	0	0	-26,408
111+50	169	0	74	0	0	0	262	0	181	0	0	0	561	26,934	0	0	0	-26,373
112+00	183	0	51	0	0	0	326	0	116	0	0	0	887	27,079	0	0	0	-26,193
112+50	219	0	18	0	0	0	372	0	65	0	0	0	1,259	27,160	0	0	0	-25,901
113+00	252	0	4	0	0	0	435	0	21	0	0	0	1,694	27,186	0	0	0	-25,492
113+50	238	0	12	0	0	0	454	0	14	0	0	0	2,148	27,204	0	0	0	-25,056
114+00	234	0	19	0	0	0	437	0	28	0	0	0	2,585	27,239	0	0	0	-24,654
114+50	219	0	27	0	0	0	419	0	43	0	0	0	3,004	27,292	0	0	0	-24,288
115+00(1)	201	0	39	0	0	0	388	0	61	0	0	0	3,392	27,369	0	0	0	-23,977
115+00(2)	180	0	50	0	0	0	299	0	70	0	0	0	3,692	27,456	0	0	0	-23,765
115+50	191	0	35	0	0	0	343	0	79	0	0	0	4,035	27,555	0	0	0	-23,520
116+00	234	0	6	0	0	0	393	0	38	0	0	0	4,429	27,603	0	0	0	-23,174
116+50	315	0	0	0	0	0	509	0	6	0	0	0	4,938	27,610	0	0	0	-22,672

CONTINUED

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 2 -- CTH TS - EB CONTINUED

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Select Crushed Mat	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
117+00	285	0	3	0	0	0	556	0	3	0	0	0	5,493	27,613	0	0	0	-22,119
117+50	236	0	9	0	0	0	482	0	11	0	0	0	5,976	27,627	0	0	0	-21,651
118+00	199	0	19	0	0	0	403	0	27	0	0	0	6,378	27,660	0	0	0	-21,282
118+50	184	0	35	0	0	0	354	0	50	0	0	0	6,733	27,722	0	0	0	-20,990
119+00	206	0	27	0	0	0	361	0	57	0	0	0	7,093	27,794	0	0	0	-20,700
119+50	258	0	8	0	0	0	430	0	32	0	0	0	7,523	27,834	0	0	0	-20,310
119+75	244	0	3	0	0	0	233	0	5	0	0	0	7,756	27,840	0	0	0	-20,084
119+76.2	244	0	3	0	0	0	11	0	0	0	0	0	7,766	27,840	0	0	0	-20,073
Totals:							7,766	0	22,272	0	0	0						

Stage 2 -- CTH TS - WB

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
100+14	0.0	0.0	428.9	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
100+43	0.0	0.0	369.2	0.0	0.0	0.0	0	0	429	0	0	0	0	536	0	0	0	-536
100+91.64	0.0	0.0	306.4	0.0	0.0	0.0	0	0	609	0	0	0	0	1,296	0	0	0	-1,296
Total:							0	0	1,037	0	0	0						

Stage 2 -- Existing Milltown Road

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
734+10	0.2	0.0	0.1	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
734+50	72.9	0.0	0.0	0.0	0.0	0.0	54	0	0	0	0	0	54	0	0	0	0	54
735+00	75.6	0.0	0.0	0.0	0.0	0.0	138	0	0	0	0	0	192	0	0	0	0	192
735+50	70.5	0.0	0.0	0.0	0.0	0.0	135	0	0	0	0	0	327	0	0	0	0	327
735+86	40.5	0.0	0.0	0.0	0.0	0.0	74	0	0	0	0	0	401	0	0	0	0	401
Totals:							401	0	0	0	0	0						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 2 -- Marley Ditch

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
10+50	41.4	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
11+00	150.1	7.0	4.9	0.0	0.0	0.0	177	6	5	0	0	0	177	6	0	0	0	165
11+50	171.0	7.0	104.4	0.0	0.0	0.0	297	13	101	0	0	0	475	132	0	0	0	323
11+75	185.3	7.0	176.5	0.0	0.0	0.0	165	6	130	0	0	0	640	295	0	0	0	319
12+00	148.9	7.0	240.0	0.0	0.0	0.0	155	6	193	0	0	0	794	536	0	0	0	226
12+50	121.6	7.0	205.9	0.0	0.0	0.0	250	13	413	0	0	0	1,045	1,052	0	0	0	-52
13+00	113.5	7.0	163.3	0.0	0.0	0.0	218	13	342	0	0	0	1,262	1,479	0	0	0	-275
13+50	104.8	7.0	112.6	0.0	0.0	0.0	202	13	256	0	0	0	1,465	1,798	0	0	0	-405
14+00	88.7	7.0	82.8	0.0	0.0	0.0	179	13	181	0	0	0	1,644	2,025	0	0	0	-465
14+50	79.7	7.0	41.3	0.0	0.0	0.0	156	13	115	0	0	0	1,800	2,168	0	0	0	-466
15+00	71.0	7.0	2.2	0.0	0.0	0.0	139	13	40	0	0	0	1,939	2,219	0	0	0	-390
15+50	57.3	7.0	0.5	0.0	0.0	0.0	119	13	3	0	0	0	2,058	2,222	0	0	0	-287
16+00	36.8	4.0	0.6	0.0	0.0	0.0	87	10	1	0	0	0	2,145	2,223	0	0	0	-212
16+50	19.2	0.0	1.4	0.0	0.0	0.0	52	4	2	0	0	0	2,197	2,226	0	0	0	-166
16+84	9.5	0.0	0.3	0.0	0.0	0.0	18	0	1	0	0	0	2,215	2,227	0	0	0	-149
							2,215	137	1,782	0	0	0						

Stage 2 -- Existing Marley Street

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
718+58	262.2	0.0	12.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
719+00	263.3	0.0	9.7	0.0	0.0	0.0	409	0	17	0	0	0	409	21	0	0	0	388
719+50	258.9	0.0	8.6	0.0	0.0	0.0	483	0	17	0	0	0	892	42	0	0	0	850
720+00	247.7	0.0	15.8	0.0	0.0	0.0	469	0	23	0	0	0	1,361	71	0	0	0	1,291
720+50	604.0	0.0	0.0	0.0	0.0	0.0	789	0	15	0	0	0	2,150	89	0	0	0	2,061
720+90	293.7	0.0	0.0	0.0	0.0	0.0	665	0	0	0	0	0	2,815	89	0	0	0	2,726
					Totals:		2,815	0	71	0	0	0						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 2 -- Ramp A

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
206+00	17.6	0.0	128.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
206+50	9.6	0.0	120.2	102.0	98.0	51.0	25	0	0	94	91	47	25	-172	94	104	33	197
207+00	11.4	0.0	251.7	102.0	98.0	51.0	19	0	344	189	181	94	45	-85	283	313	99	129
207+50	18.9	0.0	351.1	108.0	104.0	54.0	28	0	558	194	187	97	73	259	478	528	167	-186
208+00	19.3	0.0	490.7	114.0	110.0	57.0	35	0	779	206	198	103	108	859	683	756	239	-750
208+50	18.5	0.0	673.6	120.0	116.0	60.0	35	0	1,078	217	209	108	143	1,810	900	997	315	-1,667
209+00	0.0	0.0	830.3	124.0	120.0	62.0	17	0	1,392	226	219	113	160	3,138	1,126	1,248	394	-2,978
209+50	0.0	0.0	947.0	128.0	124.0	64.0	0	0	1,646	233	226	117	160	4,768	1,359	1,508	476	-4,608
210+00	0.0	0.0	1086.0	130.0	126.0	65.0	0	0	1,882	239	231	119	160	6,684	1,598	1,774	559	-6,524
210+50	0.0	0.0	1198.6	136.0	132.0	68.0	0	0	2,115	246	239	123	160	8,877	1,844	2,049	646	-8,717
211+00	0.0	0.0	1377.3	142.0	138.0	71.0	0	0	2,385	257	250	129	160	11,387	2,102	2,336	736	-11,226
211+50	0.0	0.0	1581.5	148.0	144.0	74.0	0	0	2,740	269	261	134	160	14,318	2,370	2,636	830	-14,158
212+00	0.0	0.0	1783.2	152.0	148.0	76.0	0	0	3,116	278	270	139	160	17,703	2,648	2,947	927	-17,542
212+50	0.0	0.0	1993.5	156.0	152.0	78.0	0	0	3,497	285	278	143	160	21,550	2,933	3,267	1,027	-21,390
213+00	0.2	0.0	2187.5	160.0	156.0	80.0	0	0	3,871	293	285	146	160	25,851	3,226	3,595	1,129	-25,691
213+50	0.0	0.0	2430.2	166.0	162.0	83.0	0	0	4,276	302	294	151	161	30,640	3,528	3,933	1,235	-30,480
214+00	0.4	0.0	2643.1	170.0	166.0	85.0	0	0	4,697	311	304	156	161	35,940	3,839	4,283	1,344	-35,779
214+50	0.2	0.0	2834.8	174.0	170.0	87.0	1	0	5,072	319	311	159	161	41,693	4,157	4,640	1,455	-41,532
215+00	0.2	0.0	2941.5	172.0	168.0	86.0	0	0	5,348	320	313	160	162	47,789	4,478	5,000	1,567	-47,627
215+50	3.1	0.0	3160.5	148.0	144.0	74.0	3	0	5,650	296	289	148	165	54,306	4,774	5,333	1,671	-54,141
215+95	0.0	0.0	3561.2	144.0	140.0	72.0	3	0	5,601	243	237	122	167	60,861	5,017	5,605	1,756	-60,694
Totals:							167	0	56,050	5,017	4,874	2,509						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 2 -- Ramp B

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
300+50	0.0	0.0	4799.6	146.0	142.0	73.0	0	0	0	0	0	0	0	0	0	0	0	0
301+00	0.0	0.0	3587.2	182.0	178.0	91.0	0	0	7,766	304	296	152	0	9,148	304	341	106	-9,148
301+50	5.3	0.0	3160.1	182.0	178.0	91.0	5	0	6,247	337	330	169	5	16,336	641	720	224	-16,331
302+00	0.7	0.0	2996.8	180.0	176.0	90.0	5	0	5,701	335	328	168	10	22,844	976	1,097	342	-22,834
302+50	4.3	0.0	2839.0	178.0	174.0	89.0	5	0	5,404	331	324	166	15	28,988	1,307	1,469	458	-28,973
303+00	1.6	0.0	2620.9	172.0	168.0	86.0	5	0	5,055	324	317	162	20	34,710	1,631	1,834	571	-34,690
303+50	2.6	0.0	2386.7	166.0	162.0	83.0	4	0	4,637	313	306	156	24	39,930	1,944	2,185	681	-39,906
304+00	2.2	0.0	2151.8	162.0	158.0	81.0	4	0	4,202	304	296	152	29	44,624	2,248	2,526	787	-44,595
304+50	1.6	0.0	1928.3	156.0	152.0	78.0	4	0	3,778	294	287	147	32	48,805	2,543	2,856	890	-48,773
305+00	0.0	0.0	1701.9	152.0	148.0	76.0	2	0	3,361	285	278	143	34	52,483	2,828	3,175	990	-52,449
305+50	0.1	0.0	1454.1	144.0	140.0	72.0	0	0	2,922	274	267	137	34	55,632	3,102	3,482	1,086	-55,598
306+00	1.9	0.0	1217.5	138.0	134.0	69.0	2	0	2,474	261	254	131	36	58,245	3,363	3,774	1,177	-58,209
306+50	68.7	0.0	912.3	128.0	124.0	64.0	65	0	1,972	246	239	123	101	60,259	3,609	4,048	1,263	-60,158
307+00	7.0	26.0	712.5	118.0	114.0	59.0	70	24	1,504	228	220	114	171	61,723	3,837	4,302	1,343	-61,576
307+50	0.0	0.0	573.0	116.0	112.0	58.0	6	24	1,190	217	209	108	178	62,816	4,054	4,543	1,419	-62,686
308+00	1.6	0.0	471.4	108.0	104.0	54.0	1	0	967	207	200	104	179	63,646	4,261	4,773	1,491	-63,515
308+50	2.0	0.0	362.8	106.0	102.0	53.0	3	0	772	198	191	99	183	64,251	4,459	4,992	1,561	-64,116
309+00	5.2	0.0	290.7	104.0	100.0	52.0	7	0	605	194	187	97	189	64,653	4,654	5,207	1,629	-64,512
309+50	5.2	0.0	235.0	102.0	98.0	51.0	10	0	487	191	183	95	199	64,915	4,844	5,418	1,696	-64,764
310+00	11.4	0.0	129.9	102.0	98.0	51.0	15	0	338	189	181	94	214	64,994	5,033	5,626	1,762	-64,827
				Totals:			214	48	59,383	5,033	4,893	2,517						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 2 -- Ramp-C

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
400+55	0	0	4067	152	148	76	0	0	0	0	0	0	0	0	0	0	0	0
401+00	0	0	3326	152	148	76	0	0	6,161	253	247	127	0	7,235	253	284	89	-7,235
401+50	0	0	2958	170	166	85	0	0	5,818	298	291	149	0	13,960	551	618	193	-13,960
402+00	0	0	2778	174	170	87	0	0	5,311	319	311	159	0	20,012	870	618	304	-20,012
402+50	17	7	2601	172	168	86	16	6	4,980	320	313	160	16	25,647	1,190	618	417	-25,637
403+00	46	7	2326	162	158	81	59	13	4,561	309	302	155	75	30,779	1,500	965	525	-30,724
403+50	60	7	2124	160	156	80	99	13	4,120	298	291	149	173	35,381	1,798	1,299	629	-35,240
404+00	71	7	1927	156	152	78	122	13	3,750	293	285	146	295	39,531	2,090	1,627	732	-39,281
404+50	98	7	1715	154	150	77	157	13	3,372	287	280	144	452	43,218	2,377	1,949	832	-42,825
405+00	113	7	1521	150	146	75	195	13	2,996	281	274	141	648	46,446	2,659	2,264	931	-45,870
405+50	105	7	1311	142	138	71	201	13	2,622	270	263	135	849	49,228	2,929	2,567	1,025	-48,463
406+00	115	7	1087	140	136	70	204	13	2,221	261	254	131	1,052	51,525	3,190	2,858	1,117	-50,570
406+50	106	7	869	132	128	66	205	13	1,811	252	244	126	1,257	53,327	3,442	3,139	1,205	-52,180
407+00	86	7	671	128	124	64	178	13	1,426	241	233	120	1,435	54,670	3,683	3,408	1,289	-53,357
407+50	164	7	533	116	112	58	231	13	1,115	226	219	113	1,666	55,650	3,909	3,659	1,368	-54,120
408+00	290	7	394	110	106	55	420	13	858	209	202	105	2,086	56,341	4,118	3,891	1,441	-54,404
408+50	364	7	253	104	100	52	605	13	599	198	191	99	2,691	56,729	4,316	4,111	1,511	-54,200
409+00	413	7	150	98	94	49	719	13	373	187	180	94	3,411	56,855	4,503	4,317	1,576	-53,619
					Totals		3,411	175	52,095	4,503	4,378	2,252						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 2 -- Ramp-D

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Select Crushed Mat	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
514+50	11.0	0.0	95.5	96.0	92.0	48.0	0	0	0	0	0	0	0	0	0	0	0	0
515+00	5.3	0.0	213.7	98.0	94.0	49.0	15	0	286	180	172	90	15	32	180	198	63	-17
515+50	3.3	0.0	258.3	100.0	96.0	50.0	8	0	437	183	176	92	23	245	363	400	127	-222
516+00	3.5	0.0	333.3	104.0	100.0	52.0	6	0	548	189	181	94	29	586	552	609	193	-557
516+50	2.1	0.0	435.8	110.0	106.0	55.0	5	0	712	198	191	99	35	1,115	750	828	263	-1,081
517+00	3.1	0.0	552.6	114.0	110.0	57.0	5	0	915	207	200	104	39	1,881	957	1,058	335	-1,842
517+50	2.5	0.0	720.5	120.0	116.0	60.0	5	0	1,179	217	209	108	45	2,959	1,174	1,299	411	-2,914
518+00	12.9	0.0	860.9	126.0	122.0	63.0	14	0	1,464	228	220	114	59	4,373	1,402	1,553	491	-4,314
518+50	2.4	0.0	1098.7	134.0	130.0	67.0	14	0	1,814	241	233	120	73	6,200	1,643	1,821	575	-6,127
519+00	1.4	0.0	1322.4	140.0	136.0	70.0	4	0	2,242	254	246	127	77	8,537	1,896	2,104	664	-8,460
519+50	1.2	0.0	1522.8	146.0	142.0	73.0	2	0	2,634	265	257	132	79	11,344	2,161	2,400	756	-11,265
520+00	1.3	0.0	1699.2	152.0	148.0	76.0	2	0	2,983	276	269	138	81	14,567	2,437	2,709	853	-14,486
520+50	1.4	0.0	1916.0	156.0	152.0	78.0	2	0	3,347	285	278	143	84	18,227	2,722	3,028	953	-18,143
521+00	6.6	0.0	2160.5	162.0	158.0	81.0	7	0	3,775	294	287	147	91	22,404	3,017	3,358	1,056	-22,313
521+50	11.0	0.0	2385.1	168.0	164.0	84.0	16	0	4,209	306	298	153	107	27,103	3,322	3,701	1,163	-26,995
522+00	3.7	0.0	2616.0	172.0	168.0	86.0	14	0	4,631	315	307	157	121	32,311	3,637	4,055	1,273	-32,190
522+50	1.7	0.0	2809.6	176.0	172.0	88.0	5	0	5,024	322	315	161	126	37,997	3,959	4,417	1,386	-37,871
523+00	1.2	0.0	2971.8	180.0	176.0	90.0	3	0	5,353	330	322	165	129	44,081	4,289	4,787	1,501	-43,953
523+50	0.6	0.0	3144.8	184.0	180.0	92.0	2	0	5,664	337	330	169	131	50,540	4,626	5,166	1,619	-50,409
524+00	0.4	0.0	3300.0	186.0	182.0	93.0	1	0	5,967	343	335	171	132	57,367	4,969	5,552	1,739	-57,236
524+50	2.2	0.0	3564.1	188.0	184.0	94.0	2	0	6,356	346	339	173	134	64,673	5,315	5,942	1,860	-64,539
525+00	7.3	0.0	4169.6	170.0	174.0	87.0	9	0	7,161	331	331	168	143	73,001	5,646	6,323	1,978	-72,858
525+30	10.2	0.0	4910.4	158.0	154.0	79.0	10	0	5,044	182	182	92	152	78,964	5,829	6,532	2,042	-78,812
					Totals:		152	0	71,746	5,829	5,680	2,917						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 3 -- Cty VV - NB

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
44+50	0.0	0.0	4052.3	194.0	190.0	97.0	0	0	0	0	0	0	0	0	0	0	0	0
45+03	0.0	0.0	3267.5	202.0	198.0	101.0	0	0	7,184	389	381	194	0	8,263	389	438	136	-8,263
					Totals:		0	0	7,184	389	381	194						

Stage 4 -- STH 29

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Select Crushed Mat	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
540+75	8.1	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
541+00	40.4	0.0	186.2	0.0	0.0	0.0	22	0	86	0	0	0	22	108	0	0	0	-85
541+50	78.8	57.0	899.3	0.0	0.0	0.0	110	53	1,005	0	0	0	133	1,364	0	0	0	-1,284
542+00	49.0	39.0	877.9	0.0	0.0	0.0	118	89	1,646	0	0	0	251	3,421	0	0	0	-3,312
542+50	36.5	27.0	908.1	0.0	0.0	0.0	79	61	1,654	0	0	0	330	5,488	0	0	0	-5,361
543+00	49.0	14.0	4.9	0.0	0.0	0.0	79	38	845	0	0	0	409	6,545	0	0	0	-6,376
543+50	33.8	7.0	1.2	0.0	0.0	0.0	77	19	6	0	0	0	486	6,552	0	0	0	-6,326
544+00	26.6	6.0	0.7	0.0	0.0	0.0	56	12	2	0	0	0	542	6,554	0	0	0	-6,285
544+50	19.3	6.0	0.0	0.0	0.0	0.0	42	11	1	0	0	0	584	6,555	0	0	0	-6,254
545+00	16.8	6.0	0.0	0.0	0.0	0.0	33	11	0	0	0	0	618	6,555	0	0	0	-6,232
545+50	15.1	6.0	0.0	0.0	0.0	0.0	30	11	0	0	0	0	647	6,555	0	0	0	-6,213
546+00	14.3	6.0	0.0	0.0	0.0	0.0	27	11	0	0	0	0	675	6,555	0	0	0	-6,197
546+50	11.4	4.0	0.0	0.0	0.0	0.0	24	9	0	0	0	0	698	6,555	0	0	0	-6,183
547+00	6.2	3.0	0.0	0.0	0.0	0.0	16	6	0	0	0	0	715	6,555	0	0	0	-6,173
547+50	5.6	1.0	0.0	0.0	0.0	0.0	11	4	0	0	0	0	726	6,555	0	0	0	-6,166
547+64	7.2	0.0	0.0	0.0	0.0	0.0	3	0	0	0	0	0	729	6,555	0	0	0	-6,163
					Totals:		729	336	5,244	0	0	0						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 4 -- Cty VV - NB

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
27+00	66.7	22.0	3.5	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
27+50	79.3	22.0	10.9	0.0	0.0	0.0	135	41	13	0	0	0	135	17	0	0	0	78
28+00	81.8	22.0	19.2	0.0	0.0	0.0	149	41	28	0	0	0	284	52	0	0	0	151
28+26	66.1	22.0	20.7	0.0	0.0	0.0	71	21	19	0	0	0	356	76	0	0	0	177
28+50	58.2	22.0	25.9	0.0	0.0	0.0	55	20	21	0	0	0	411	101	0	0	0	187
29+00	43.2	22.0	30.8	0.0	0.0	0.0	94	41	52	0	0	0	505	167	0	0	0	175
29+20	51.8	22.0	32.6	0.0	0.0	0.0	35	16	23	0	0	0	540	196	0	0	0	164
29+50	25.0	22.0	55.9	0.0	0.0	0.0	43	24	49	0	0	0	582	258	0	0	0	121
30+00	6.3	22.0	89.3	0.0	0.0	0.0	29	41	134	0	0	0	611	426	0	0	0	-59
30+50	0.8	22.0	139.8	0.0	0.0	0.0	7	41	212	0	0	0	618	691	0	0	0	-358
31+00	0.1	11.0	173.5	0.0	0.0	0.0	1	31	290	0	0	0	619	1,054	0	0	0	-751
31+50	0.4	16.0	260.6	0.0	0.0	0.0	0	25	402	0	0	0	619	1,556	0	0	0	-1,278
ROUNDABOUT																		
33+32	0.0	0.0	478.6	96.0	94.0	27.0	0	0	0	0	0	0	619	1,556	0	0	0	-1,278
33+50	0.0	0.0	443.1	90.0	88.0	45.0	0	0	307	62	61	24	619	1,832	62	70	17	-1,554
34+00	0.0	0.0	373.5	72.0	70.0	36.0	0	0	756	150	146	75	619	2,501	212	238	69	-2,223
34+50	1.9	22.0	680.3	138.0	134.0	69.0	2	20	976	194	189	97	621	3,364	406	455	137	-3,104
35+00	3.5	22.0	696.0	126.0	122.0	63.0	5	41	1,274	244	237	122	626	4,509	651	728	223	-4,285
35+50	4.0	22.0	775.6	130.0	126.0	64.0	7	41	1,363	237	230	118	633	5,780	888	992	305	-5,589
36+00	3.5	22.0	910.4	134.0	130.0	67.0	7	41	1,561	244	237	121	640	7,284	1,132	1,264	390	-7,128
36+50	49.2	22.0	1162.7	138.0	142.0	71.0	49	41	1,920	252	252	128	689	9,210	1,384	1,554	480	-9,045
37+00	11.3	0.0	1468.8	150.0	146.0	75.0	56	20	2,437	267	267	135	745	11,754	1,651	1,861	574	-11,554
37+50	3.7	0.0	1756.5	156.0	152.0	78.0	14	0	2,986	283	276	142	759	14,966	1,934	2,178	673	-14,752
38+00	1.8	0.0	2044.4	164.0	160.0	82.0	5	0	3,519	296	289	148	764	18,821	2,231	2,510	777	-18,601
					Totals:		764	544	18,344	2,231	2,183	1,110						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 4 -- Cty VV - SB

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
30+47.79	1.8	6.0	73.2	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
30+98	1.8	11.0	206.8	0.0	0.0	0.0	3	16	260	0	0	0	3	325	0	0	0	-338
31+53	2.6	6.0	326.6	0.0	0.0	0.0	5	17	543	0	0	0	8	1,005	0	0	0	-1,030
ROUNDABOUT																		
33+33	0.0	22.0	492.0	96.0	94.0	48.0	0	0	0	0	0	0	8	1,005	0	0	0	-1,030
33+95	0.0	22.0	419.2	70.0	68.0	35.0	0	51	1,046	191	186	95	8	1,962	191	214	67	-2,037
34+44.40	1.8	22.0	358.1	70.0	68.0	35.0	2	40	711	128	124	64	10	2,616	319	214	112	-2,730
					Totals:		10	124	2,561	319	310	159						

Stage 4 -- Existing Triangle

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
768+40	52.6	22.0	5.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
768+50	63.4	22.0	4.5	0.0	0.0	0.0	21	8	2	0	0	0	21	2	0	0	0	11
769+00	98.6	22.0	6.1	0.0	0.0	0.0	150	41	10	0	0	0	172	14	0	0	0	108
769+50	108.4	22.0	7.6	0.0	0.0	0.0	192	41	13	0	0	0	363	30	0	0	0	243
770+00	119.4	22.0	14.9	0.0	0.0	0.0	211	41	21	0	0	0	574	56	0	0	0	387
770+31	126.4	22.0	18.8	0.0	0.0	0.0	141	25	19	0	0	0	715	81	0	0	0	479
770+50	131.0	22.0	24.8	0.0	0.0	0.0	91	15	15	0	0	0	806	100	0	0	0	535
771+00	89.0	22.0	0.3	0.0	0.0	0.0	204	41	23	0	0	0	1,009	129	0	0	0	669
771+08	75.5	22.0	0.1	0.0	0.0	0.0	24	7	0	0	0	0	1,034	129	0	0	0	687
					Totals:		1,034	218	103	0	0	0						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 4 -- RAB CTH VV & CTH TS

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Unusable Pavement Material Note 2	Fill Note 3	Select Crushed Material Note 5	Select Borrow Note 6	EBS Note 7	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25 Note 8	Select Crushed Material 1.00	Expanded Select Borrow 1.15	Reduced EBS in Fill 0.70 Note 9	Mass Ordinate Note 10
10+00	0.0	0.0	643.8	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
10+25	0.0	0.0	862.3	0.0	0.0	0.0	0	0	697	0	0	0	0	872	0	0	0	-872
10+50	0.0	0.0	678.8	0.0	0.0	0.0	0	0	713	0	0	0	0	1,763	0	0	0	-1,763
10+75	0.0	78.0	457.7	0.0	0.0	0.0	0	36	526	0	0	0	0	2,421	0	0	0	-2,457
11+00	0.0	0.0	732.2	0.0	0.0	0.0	0	36	551	0	0	0	0	3,110	0	0	0	-3,182
11+25	0.0	0.0	981.9	0.0	0.0	0.0	0	0	794	0	0	0	0	4,102	0	0	0	-4,174
11+50	0.0	0.0	999.1	0.0	0.0	0.0	0	0	917	0	0	0	0	5,248	0	0	0	-5,320
11+75	0.0	0.0	921.0	0.0	0.0	0.0	0	0	889	0	0	0	0	6,359	0	0	0	-6,431
12+00	14.8	0.0	797.7	0.0	0.0	0.0	7	0	796	0	0	0	7	7,354	0	0	0	-7,419
12+25	0.0	0.0	723.2	0.0	0.0	0.0	7	0	704	0	0	0	14	8,234	0	0	0	-8,293
12+50	0.0	72.0	395.6	0.0	0.0	0.0	0	33	518	0	0	0	14	8,881	0	0	0	-8,973
12+75	0.0	0.0	486.9	0.0	0.0	0.0	0	33	409	0	0	0	14	9,392	0	0	0	-9,517
13+00	0.1	0.0	711.1	0.0	0.0	0.0	0	0	555	0	0	0	14	10,086	0	0	0	-10,211
13+25	0.0	0.0	639.0	0.0	0.0	0.0	0	0	625	0	0	0	14	10,867	0	0	0	-10,992
13+50	0.0	0.0	578.3	0.0	0.0	0.0	0	0	564	0	0	0	14	11,571	0	0	0	-11,696
13+64.42	0.0	0.0	643.8	0.0	0.0	0.0	0	0	326	0	0	0	14	11,979	0	0	0	-12,104
					Totals:		14	139	9,583	0	0	0						

Stage 4 -- Existing North Overland Road

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Unusable Pavement Material Note 2	Fill Note 3	Select Crushed Material Note 5	Select Borrow Note 6	EBS Note 7	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25 Note 8	Select Crushed Material 1.00	Expanded Select Borrow 1.15	Reduced EBS in Fill 0.70 Note 9	Mass Ordinate Note 10
752+58	43.6	0.0	0.8	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
753+00	74.8	0.0	7.9	0.0	0.0	0.0	92	0	7	0	0	0	92	9	0	0	0	84
753+50	69.1	0.0	8.3	0.0	0.0	0.0	133	0	15	0	0	0	225	27	0	0	0	198
753+90	67.9	0.0	7.0	0.0	0.0	0.0	101	0	11	0	0	0	327	42	0	0	0	285
754+05	34.3	0.0	3.5	0.0	0.0	0.0	28	0	3	0	0	0	355	45	0	0	0	310
					Totals:		355	0	36	0	0	0						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 5 -- STH 29

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Unusable Pavement Material Note 2	Fill Note 3	Select Crushed Material Note 5	Select Borrow Note 6	EBS Note 7	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25 Note 8	Select Crushed Mat 1.00	Expanded Select Borrow 1.15	Reduced EBS in Fill 0.70 Note 9	Mass Ordinate Note 10
516+04	40.9	6.0	0.1	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
516+50	40.3	6.0	1.7	0.0	0.0	0.0	69	10	2	0	0	0	69	2	0	0	0	57
517+00	40.1	6.0	11.3	0.0	0.0	0.0	74	11	12	0	0	0	144	17	0	0	0	105
517+50	43.0	6.0	21.6	0.0	0.0	0.0	77	11	30	0	0	0	220	55	0	0	0	133
518+00	45.9	6.0	28.3	0.0	0.0	0.0	82	11	46	0	0	0	303	113	0	0	0	146
518+50	49.0	6.0	28.1	0.0	0.0	0.0	88	11	52	0	0	0	391	178	0	0	0	158
519+00	52.0	6.0	19.3	0.0	0.0	0.0	94	11	44	0	0	0	484	233	0	0	0	185
519+50	57.3	6.0	15.2	0.0	0.0	0.0	101	11	32	0	0	0	585	273	0	0	0	236
520+00	60.5	6.0	17.8	0.0	0.0	0.0	109	11	31	0	0	0	694	311	0	0	0	295
520+50	61.4	6.0	19.8	0.0	0.0	0.0	113	11	35	0	0	0	807	355	0	0	0	354
521+00	56.6	6.0	24.4	0.0	0.0	0.0	109	11	41	0	0	0	917	406	0	0	0	401
521+50	55.5	6.0	27.3	0.0	0.0	0.0	104	11	48	0	0	0	1,020	465	0	0	0	434
522+00	60.5	6.0	23.8	0.0	0.0	0.0	107	11	47	0	0	0	1,128	524	0	0	0	471
522+50	79.0	6.0	22.3	0.0	0.0	0.0	129	11	43	0	0	0	1,257	578	0	0	0	535
523+00	91.5	6.0	25.0	0.0	0.0	0.0	158	11	44	0	0	0	1,415	633	0	0	0	628
523+50	100.6	6.0	25.4	0.0	0.0	0.0	178	11	47	0	0	0	1,593	691	0	0	0	736
524+00	92.4	6.0	32.3	0.0	0.0	0.0	179	11	53	0	0	0	1,771	758	0	0	0	837
524+20	126.2	12.0	36.9	0.0	0.0	0.0	81	7	26	0	0	0	1,852	790	0	0	0	879
524+50	114.0	12.0	43.0	0.0	0.0	0.0	133	13	44	0	0	0	1,986	845	0	0	0	944
525+00	113.4	12.0	57.2	0.0	0.0	0.0	211	22	93	0	0	0	2,197	961	0	0	0	1,016
525+50	116.3	13.0	102.7	0.0	0.0	0.0	213	23	148	0	0	0	2,409	1,146	0	0	0	1,021
525+65	49.0	13.0	32.9	0.0	0.0	0.0	46	7	38	0	0	0	2,455	1,193	0	0	0	1,012
526+00	51.3	12.0	54.8	0.0	0.0	0.0	65	16	57	0	0	0	2,520	1,264	0	0	0	990
526+50	60.2	6.0	51.7	0.0	0.0	0.0	103	17	99	0	0	0	2,623	1,388	0	0	0	953
					Totals:		2,623	282	1,110	0	0	0						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 5 -- Ramp A

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Unusable Pavement Material Note 2	Fill Note 3	Select Crushed Material Note 5	Select Borrow Note 6	EBS Note 7	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25 Note 8	Select Crushed Material 1.00	Expanded Select Borrow 1.15	Reduced EBS in Fill 0.70 Note 8	Mass Ordinate Note 9
201+89	61.1	4.0	55.9	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
202+00	58.9	4.0	55.6	0.0	0.0	0.0	24	2	23	0	0	0	24	28	0	0	0	-6
202+50	63.8	4.0	52.6	0.0	0.0	0.0	114	7	100	0	0	0	138	154	0	0	0	-25
203+00	66.7	4.0	45.1	0.0	0.0	0.0	121	7	90	0	0	0	259	267	0	0	0	-24
203+50	84.4	4.0	32.9	0.0	0.0	0.0	140	7	72	0	0	0	399	357	0	0	0	18
204+00	81.8	4.0	22.9	0.0	0.0	0.0	154	7	52	0	0	0	553	421	0	0	0	100
204+50	85.4	4.0	31.1	0.0	0.0	0.0	155	7	50	0	0	0	708	484	0	0	0	185
205+00	41.5	0.0	34.0	0.0	0.0	0.0	118	4	60	0	0	0	825	559	0	0	0	224
205+50	31.7	0.0	44.9	0.0	0.0	0.0	68	0	73	0	0	0	893	650	0	0	0	200
206+00	17.6	0.0	66.5	0.0	0.0	0.0	46	0	103	0	0	0	939	779	0	0	0	117
					Totals:		939	42	623	0	0	0						

Stage 5 -- Ramp B

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Unusable Pavement Material Note 2	Fill Note 3	Select Crushed Material Note 5	Select Borrow Note 6	EBS Note 7	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25 Note 8	Select Crushed Material 1.00	Expanded Select Borrow 1.15	Reduced EBS in Fill 0.70 Note 8	Mass Ordinate Note 9
310+00	11.4	0.0	129.9	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
310+50	14.9	0.0	103.1	0.0	0.0	0.0	24	0	216	0	0	0	24	270	0	0	0	-245
311+00	15.8	0.0	71.2	0.0	0.0	0.0	28	0	161	0	0	0	53	471	0	0	0	-419
311+50	20.4	0.0	34.1	0.0	0.0	0.0	34	0	98	0	0	0	86	593	0	0	0	-507
312+00	43.4	0.0	4.5	0.0	0.0	0.0	59	0	36	0	0	0	145	638	0	0	0	-493
312+50	99.6	11.0	5.1	0.0	0.0	0.0	132	10	9	0	0	0	278	649	0	0	0	-382
313+00	88.3	11.0	10.4	0.0	0.0	0.0	174	20	14	0	0	0	452	667	0	0	0	-246
313+50	80.3	12.0	14.3	0.0	0.0	0.0	156	21	23	0	0	0	608	696	0	0	0	-140
314+00	82.1	13.0	17.3	0.0	0.0	0.0	150	23	29	0	0	0	758	732	0	0	0	-49
314+50	76.8	15.0	15.3	0.0	0.0	0.0	147	26	30	0	0	0	905	770	0	0	0	35
315+00	74.5	16.0	22.2	0.0	0.0	0.0	140	29	35	0	0	0	1,046	813	0	0	0	103
315+14	83.9	16.0	23.4	0.0	0.0	0.0	41	8	12	0	0	0	1,087	828	0	0	0	121
					Totals:		1,087	138	662	0	0	0						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 5 -- Ramp-D

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Unusable Pavement Material Note 2	Fill Note 3	Select Crushed Material Note 5	Select Borrow Note 6	EBS Note 7	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25 Note 8	Select Crushed Mat 1.00	Expanded Select Borrow 1.15	Reduced EBS in Fill 0.70 Note 8	Mass Ordinate Note 9
509+61	65.4	5.0	47.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
510+00	65.1	5.0	32.4	0.0	0.0	0.0	94	7	57	0	0	0	94	72	0	0	0	15
510+50	71.8	5.0	28.9	0.0	0.0	0.0	127	9	57	0	0	0	221	143	0	0	0	62
511+00	79.0	5.0	20.8	0.0	0.0	0.0	140	9	46	0	0	0	361	200	0	0	0	135
511+50	104.7	5.0	8.3	0.0	0.0	0.0	170	9	27	0	0	0	531	234	0	0	0	262
512+00	132.8	5.0	2.4	0.0	0.0	0.0	220	9	10	0	0	0	751	246	0	0	0	460
512+50	134.6	0.0	0.2	0.0	0.0	0.0	248	5	2	0	0	0	998	249	0	0	0	700
513+00	69.3	0.0	10.7	0.0	0.0	0.0	189	0	10	0	0	0	1,187	262	0	0	0	876
513+50	66.6	0.0	25.5	0.0	0.0	0.0	126	0	34	0	0	0	1,313	304	0	0	0	960
514+00	37.4	0.0	50.9	0.0	0.0	0.0	96	0	71	0	0	0	1,409	392	0	0	0	968
514+50	11.0	0.0	95.5	0.0	0.0	0.0	45	0	136	0	0	0	1,454	562	0	0	0	843
					Totals:		1,454	49	449	0	0	0						

Stage 5 -- Existing Triangle

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Unusable Pavement Material Note 2	Fill Note 3	Select Crushed Material Note 5	Select Borrow Note 6	EBS Note 7	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.25 Note 8	Select Crushed Mat 1.00	Expanded Select Borrow 1.15	Reduced EBS in Fill 0.70 Note 9	Mass Ordinate Note 10
786+00	14	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
786+50	202	28	0	0	0	0	200	52	0	0	0	0	200	2	0	0	0	147
787+00	200	28	7	0	0	0	372	52	7	0	0	0	572	11	0	0	0	459
787+50	212	28	6	0	0	0	382	52	12	0	0	0	954	26	0	0	0	774
788+00	215	28	6	0	0	0	396	52	11	0	0	0	1,350	40	0	0	0	1,103
788+50	224	28	3	0	0	0	407	52	9	0	0	0	1,756	51	0	0	0	1,447
789+00	166	28	3	0	0	0	361	52	6	0	0	0	2,117	59	0	0	0	1,749
					Totals:		2,117	311	46	0	0	0						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 6 -- Ramp-C

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 8	Note 9
409+00	252	7	150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
409+50	280	7	132	0	0	0	492	13	261	0	0	0	492	326	0	0	0	154
410+00	273	7	122	0	0	0	512	13	235	0	0	0	1,004	619	0	0	0	359
410+50	289	7	91	0	0	0	521	13	197	0	0	0	1,525	865	0	0	0	621
411+00	303	7	74	0	0	0	549	13	153	0	0	0	2,074	1,057	0	0	0	965
411+50	284	7	63	0	0	0	544	13	127	0	0	0	2,618	1,215	0	0	0	1,338
412+00	292	12	64	0	0	0	533	18	117	0	0	0	3,151	1,362	0	0	0	1,707
412+50	275	12	68	0	0	0	526	22	123	0	0	0	3,677	1,515	0	0	0	2,057
413+00	278	12	67	0	0	0	512	22	125	0	0	0	4,189	1,672	0	0	0	2,390
413+50	299	12	60	0	0	0	534	22	118	0	0	0	4,723	1,820	0	0	0	2,754
414+00	355	12	43	0	0	0	606	22	96	0	0	0	5,329	1,940	0	0	0	3,218
414+42	401	12	33	0	0	0	589	19	60	0	0	0	5,918	2,014	0	0	0	3,713
				Totals:			5,918	190	1,612	0	0	0						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 6 -- Old HWY 29

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Expanded Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
100+00	52	20	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100+50	53	20	8	0	0	0	97	37	14	0	0	0	97	18	0	0	0	42
101+00	64	20	1	0	0	0	109	37	8	0	0	0	206	27	0	0	0	104
101+50	33	20	7	0	0	0	90	37	7	0	0	0	296	37	0	0	0	148
102+00	41	20	21	0	0	0	69	37	26	0	0	0	365	69	0	0	0	148
102+50	35	20	29	0	0	0	65	37	55	0	0	0	429	137	0	0	0	107
103+00	62	20	9	0	0	0	90	37	36	0	0	0	519	182	0	0	0	115
103+50	30	23	14	0	0	0	85	40	21	0	0	0	604	208	0	0	0	134
104+00	211	57	20	0	0	0	223	74	32	0	0	0	827	248	0	0	0	243
104+50	274	43	28	0	0	0	448	93	45	0	0	0	1,275	304	0	0	0	543
105+00	108	11	254	0	0	0	199	20	470	0	0	0	1,474	891	0	0	0	134
105+50	42	0	313	0	0	0	139	10	525	0	0	0	1,613	1,547	0	0	0	-394
106+00	1	0	193	0	0	0	41	0	469	0	0	0	1,653	2,133	0	0	0	-939
106+50	0	0	114	0	0	0	1	0	284	0	0	0	1,655	2,488	0	0	0	-1,293
107+00	1	0	68	0	0	0	0	0	169	0	0	0	1,655	2,699	0	0	0	-1,503
107+50	2	0	59	0	0	0	2	0	118	0	0	0	1,657	2,846	0	0	0	-1,649
108+00	0	0	77	0	0	0	1	0	127	0	0	0	1,659	3,005	0	0	0	-1,805
108+50	0	0	84	0	0	0	0	0	149	0	0	0	1,659	3,191	0	0	0	-1,992
109+00	3	0	136	0	0	0	3	0	203	0	0	0	1,661	3,446	0	0	0	-2,244
109+50	58	0	215	0	0	0	56	0	325	0	0	0	1,718	3,851	0	0	0	-2,593
110+00	170	16	221	0	0	0	212	15	404	0	0	0	1,929	4,356	0	0	0	-2,901
110+50	127	17	148	0	0	0	275	31	341	0	0	0	2,205	4,783	0	0	0	-3,083
111+00	103	17	38	0	0	0	213	31	172	0	0	0	2,418	4,997	0	0	0	-3,116
111+50	73	17	2	0	0	0	163	31	37	0	0	0	2,581	5,043	0	0	0	-3,030
112+00	71	17	0	0	0	0	134	31	2	0	0	0	2,715	5,046	0	0	0	-2,931
112+50	77	21	1	0	0	0	138	35	1	0	0	0	2,852	5,047	0	0	0	-2,829
113+00	86	21	0	0	0	0	151	39	1	0	0	0	3,003	5,048	0	0	0	-2,718
113+50	105	21	0	0	0	0	177	39	0	0	0	0	3,180	5,049	0	0	0	-2,580
Totals:							3,180	712	4,039	0	0	0						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 6 -- STH 29

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Select Crushed Mat	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
479+68	6.8	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
480+00	13.2	0.0	0.0	0.0	0.0	0.0	12	0	0	0	0	0	12	0	0	0	0	12
480+50	13.4	3.0	0.2	0.0	0.0	0.0	25	3	0	0	0	0	36	0	0	0	0	33
481+00	12.8	5.0	0.0	0.0	0.0	0.0	24	7	0	0	0	0	61	0	0	0	0	50
481+50	11.4	7.0	0.1	0.0	0.0	0.0	22	11	0	0	0	0	83	1	0	0	0	61
482+00	9.9	8.0	0.0	0.0	0.0	0.0	20	14	0	0	0	0	103	1	0	0	0	67
482+50	15.6	9.0	0.7	0.0	0.0	0.0	24	16	1	0	0	0	127	1	0	0	0	74
483+00	19.4	10.0	0.0	0.0	0.0	0.0	32	18	1	0	0	0	159	2	0	0	0	88
483+50	24.2	11.0	0.0	0.0	0.0	0.0	40	19	0	0	0	0	199	2	0	0	0	109
484+00	25.1	12.0	0.0	0.0	0.0	0.0	46	21	0	0	0	0	245	2	0	0	0	133
484+50	29.2	14.0	0.0	0.0	0.0	0.0	50	24	0	0	0	0	295	2	0	0	0	160
484+68	29.6	15.0	4.0	0.0	0.0	0.0	20	10	1	0	0	0	315	4	0	0	0	168
485+00	40.6	17.0	1.5	0.0	0.0	0.0	42	19	3	0	0	0	356	8	0	0	0	186
485+50	57.6	23.0	13.5	0.0	0.0	0.0	91	37	14	0	0	0	447	25	0	0	0	223
486+00	346.3	55.0	0.0	0.0	0.0	0.0	374	72	12	0	0	0	821	41	0	0	0	509
486+50	482.0	99.0	0.0	0.0	0.0	0.0	767	143	0	0	0	0	1,588	41	0	0	0	1,134
487+00	377.6	62.0	0.5	0.0	0.0	0.0	796	149	0	0	0	0	2,384	41	0	0	0	1,780
487+50	358.4	61.0	0.0	0.0	0.0	0.0	681	114	0	0	0	0	3,066	42	0	0	0	2,347
488+00	326.0	80.0	0.0	0.0	0.0	0.0	634	131	0	0	0	0	3,699	42	0	0	0	2,850
488+50	220.0	53.0	0.0	0.0	0.0	0.0	506	123	0	0	0	0	4,205	42	0	0	0	3,232
489+00	89.7	23.0	0.0	0.0	0.0	0.0	287	70	0	0	0	0	4,492	42	0	0	0	3,449
489+50	71.9	19.0	0.0	0.0	0.0	0.0	150	39	0	0	0	0	4,641	42	0	0	0	3,559
489+83	61.6	15.0	0.4	0.0	0.0	0.0	82	21	0	0	0	0	4,723	42	0	0	0	3,620
490+00	45.4	15.0	0.0	0.0	0.0	0.0	34	9	0	0	0	0	4,756	42	0	0	0	3,644
490+50	36.1	13.0	0.1	0.0	0.0	0.0	75	26	0	0	0	0	4,832	43	0	0	0	3,693
491+00	30.7	11.0	0.2	0.0	0.0	0.0	62	22	0	0	0	0	4,894	43	0	0	0	3,733
491+50	24.6	9.0	0.3	0.0	0.0	0.0	51	19	0	0	0	0	4,945	44	0	0	0	3,765
492+00	23.7	8.0	0.4	0.0	0.0	0.0	45	16	1	0	0	0	4,990	44	0	0	0	3,793
492+38	18.8	8.0	1.1	0.0	0.0	0.0	30	11	1	0	0	0	5,020	46	0	0	0	3,810
492+50	14.0	7.0	0.0	0.0	0.0	0.0	7	3	0	0	0	0	5,027	46	0	0	0	3,814
493+00	13.9	7.0	0.0	0.0	0.0	0.0	26	13	0	0	0	0	5,053	46	0	0	0	3,827
493+50	11.0	5.0	0.0	0.0	0.0	0.0	23	11	0	0	0	0	5,076	46	0	0	0	3,839
494+00	7.7	2.0	0.0	0.0	0.0	0.0	17	6	0	0	0	0	5,093	46	0	0	0	3,849
494+50	13.7	0.0	0.0	0.0	0.0	0.0	20	2	0	0	0	0	5,113	46	0	0	0	3,867
494+88	12.5	0.0	0.0	0.0	0.0	0.0	18	0	0	0	0	0	5,131	46	0	0	0	3,886

CONTINUED

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 6 -- STH 29 CONTINUED

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Expanded Select Crushed Mat	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.00	1.00	1.00	1.00	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
552+30	7.8	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	5,131	46	0	0	0	3,886
552+50	7.8	0.0	0.0	0.0	0.0	0.0	6	0	0	0	0	0	5,137	46	0	0	0	3,892
553+00	10.0	1.0	0.0	0.0	0.0	0.0	16	1	0	0	0	0	5,154	46	0	0	0	3,907
553+50	14.6	4.0	0.0	0.0	0.0	0.0	23	5	0	0	0	0	5,176	46	0	0	0	3,925
554+00	18.9	6.0	0.0	0.0	0.0	0.0	31	9	0	0	0	0	5,207	46	0	0	0	3,947
554+50	21.6	7.0	0.0	0.0	0.0	0.0	37	12	0	0	0	0	5,245	46	0	0	0	3,972
555+00	23.9	8.0	0.0	0.0	0.0	0.0	42	14	0	0	0	0	5,287	46	0	0	0	4,001
555+50	25.9	9.0	0.0	0.0	0.0	0.0	46	16	0	0	0	0	5,333	46	0	0	0	4,031
556+00	34.6	10.0	0.5	0.0	0.0	0.0	56	18	1	0	0	0	5,389	47	0	0	0	4,069
556+50	59.4	13.0	0.0	0.0	0.0	0.0	87	21	1	0	0	0	5,476	47	0	0	0	4,134
557+00	78.9	32.0	0.0	0.0	0.0	0.0	128	42	0	0	0	0	5,604	47	0	0	0	4,220
557+50	301.5	54.0	43.1	0.0	0.0	0.0	352	80	40	0	0	0	5,956	97	0	0	0	4,443
558+00	296.4	56.0	27.3	0.0	0.0	0.0	554	102	65	0	0	0	6,510	179	0	0	0	4,813
558+50	342.6	65.0	3.8	0.0	0.0	0.0	592	112	29	0	0	0	7,102	215	0	0	0	5,257
559+00	509.6	117.0	0.0	0.0	0.0	0.0	789	169	3	0	0	0	7,891	219	0	0	0	5,873
559+50	547.4	114.0	0.1	0.0	0.0	0.0	979	214	0	0	0	0	8,869	219	0	0	0	6,638
560+00	310.0	72.0	0.3	0.0	0.0	0.0	794	172	0	0	0	0	9,663	220	0	0	0	7,259
560+50	269.8	45.0	25.0	0.0	0.0	0.0	537	108	23	0	0	0	10,200	249	0	0	0	7,658
561+00	245.5	38.0	33.6	0.0	0.0	0.0	477	77	54	0	0	0	10,677	317	0	0	0	7,991
561+50	218.7	37.0	40.9	0.0	0.0	0.0	430	69	69	0	0	0	11,107	403	0	0	0	8,265
562+00	212.1	35.0	39.1	0.0	0.0	0.0	399	67	74	0	0	0	11,506	496	0	0	0	8,504
562+50	203.0	33.0	34.6	0.0	0.0	0.0	384	63	68	0	0	0	11,890	581	0	0	0	8,741
563+00	149.9	33.0	40.1	0.0	0.0	0.0	327	61	69	0	0	0	12,217	667	0	0	0	8,920
563+50	125.9	32.0	17.4	0.0	0.0	0.0	255	60	53	0	0	0	12,472	734	0	0	0	9,048
564+00	114.3	29.0	8.7	0.0	0.0	0.0	222	56	24	0	0	0	12,695	764	0	0	0	9,184
564+50	99.5	27.0	5.6	0.0	0.0	0.0	198	52	13	0	0	0	12,893	781	0	0	0	9,314
565+00	86.5	21.0	4.3	0.0	0.0	0.0	172	44	9	0	0	0	13,065	792	0	0	0	9,430
565+50	70.6	16.0	2.4	0.0	0.0	0.0	145	34	6	0	0	0	13,210	800	0	0	0	9,533
566+00	62.2	12.0	5.2	0.0	0.0	0.0	123	26	7	0	0	0	13,333	809	0	0	0	9,621
566+11	61.6	12.0	2.7	0.0	0.0	0.0	25	5	2	0	0	0	13,358	811	0	0	0	9,640
566+50	57.5	11.0	2.6	0.0	0.0	0.0	86	17	4	0	0	0	13,444	815	0	0	0	9,704
566+61	57.7	11.0	2.7	0.0	0.0	0.0	23	4	1	0	0	0	13,468	817	0	0	0	9,722
567+00	15.1	6.0	4.0	0.0	0.0	0.0	53	12	5	0	0	0	13,520	823	0	0	0	9,756
567+22	15.0	6.0	3.5	0.0	0.0	0.0	12	5	3	0	0	0	13,533	827	0	0	0	9,760

CONTINUED

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 6 -- STH 29 CONTINUED

STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Expanded Select Crushed Mat	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.00	1.00	1.00	1.00	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
572+69	4.8	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	13,533	827	0	0	0	9,760
573+00	4.5	1.0	0.0	0.0	0.0	0.0	5	1	0	0	0	0	13,538	827	0	0	0	9,765
573+50	7.8	3.0	0.0	0.0	0.0	0.0	11	4	0	0	0	0	13,549	827	0	0	0	9,772
574+00	10.6	5.0	0.0	0.0	0.0	0.0	17	7	0	0	0	0	13,566	827	0	0	0	9,782
574+50	11.5	6.0	0.0	0.0	0.0	0.0	20	10	0	0	0	0	13,587	827	0	0	0	9,792
575+00	12.8	6.0	0.0	0.0	0.0	0.0	22	11	0	0	0	0	13,609	827	0	0	0	9,804
575+50	12.2	6.0	0.0	0.0	0.0	0.0	23	11	0	0	0	0	13,632	827	0	0	0	9,816
576+00	13.0	6.0	0.0	0.0	0.0	0.0	23	11	0	0	0	0	13,656	827	0	0	0	9,828
576+50	25.4	6.0	2.6	0.0	0.0	0.0	36	11	2	0	0	0	13,691	830	0	0	0	9,849
577+00	39.6	8.0	0.1	0.0	0.0	0.0	60	13	2	0	0	0	13,752	833	0	0	0	9,893
577+50	126.5	19.0	0.0	0.0	0.0	0.0	154	25	0	0	0	0	13,905	833	0	0	0	10,022
578+00	231.0	31.0	0.0	0.0	0.0	0.0	331	46	0	0	0	0	14,236	833	0	0	0	10,307
578+50	313.4	50.0	0.0	0.0	0.0	0.0	504	75	0	0	0	0	14,740	833	0	0	0	10,736
579+00	164.2	1.0	0.0	0.0	0.0	0.0	442	47	0	0	0	0	15,183	833	0	0	0	11,131
579+50	14.2	0.0	3.1	0.0	0.0	0.0	165	1	3	0	0	0	15,348	836	0	0	0	11,291
579+54	13.9	0.0	1.5	0.0	0.0	0.0	2	0	0	0	0	0	15,350	837	0	0	0	11,293
				Totals:			15,350	3,220	669	0	0	0						

Stage 6 -- Existing County Line

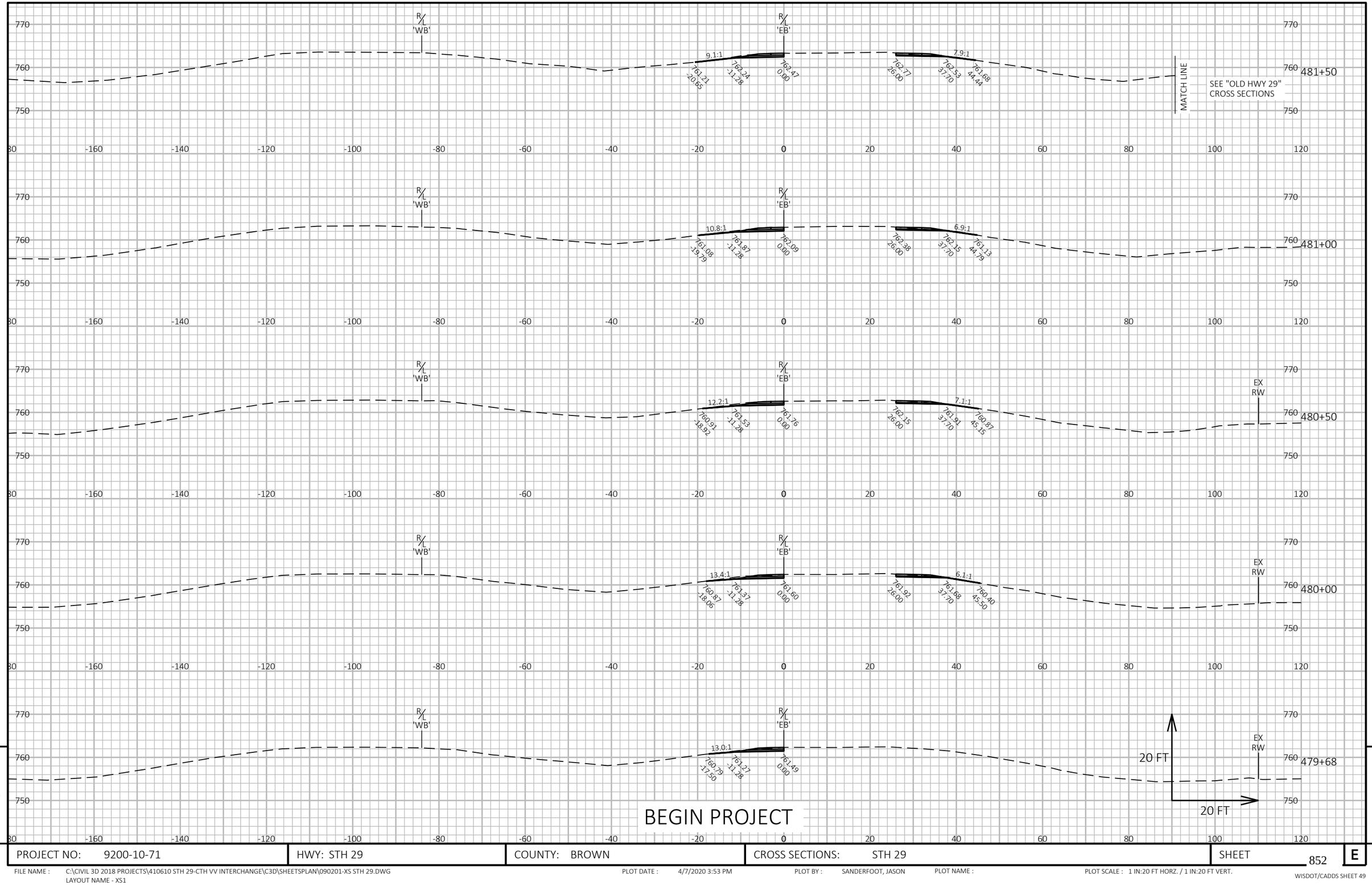
STATION	AREA (SF) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Incremental Vol (CY) (Unadjusted) Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Select Crushed Mat	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
705+17	117.2	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
705+50	198.3	0.0	0.0	0.0	0.0	0.0	193	0	0	0	0	0	193	0	0	0	0	193
706+00	271.6	0.0	0.0	0.0	0.0	0.0	435	0	0	0	0	0	628	0	0	0	0	628
706+51	153.3	0.0	0.0	0.0	0.0	0.0	401	0	0	0	0	0	1,029	0	0	0	0	1,029
				Totals:			1,029	0	0	0	0	0						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]

Stage 6 -- Existing Old HWY 29

STATION	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)					
	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Unusable Pavement Material	Fill	Select Crushed Material	Select Borrow	EBS	Cut	Expanded Fill	Select Crushed Material	Expanded Select Borrow	Reduced EBS in Fill	Mass Ordinate
													1.00	1.25	1.00	1.15	0.70	
							Note 1	Note 2	Note 3	Note 5	Note 6	Note 7	Note 1	Note 8			Note 9	Note 10
716+20	68	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
716+50	135	16	0	0	0	0	113	18	0	0	0	0	113	0	0	0	0	95
717+00	164	16	0	0	0	0	277	30	0	0	0	0	390	0	0	0	0	343
717+50	167	16	0	0	0	0	306	30	0	0	0	0	696	0	0	0	0	619
718+00	179	16	0	0	0	0	320	30	0	0	0	0	1,016	0	0	0	0	909
718+50	178	16	0	0	0	0	331	30	0	0	0	0	1,347	0	0	0	0	1,211
719+00	165	16	0	0	0	0	318	30	0	0	0	0	1,666	1	0	0	0	1,499
719+50	173	16	0	0	0	0	313	30	0	0	0	0	1,979	1	0	0	0	1,783
720+00	166	16	0	0	0	0	314	30	0	0	0	0	2,293	1	0	0	0	2,067
720+50	151	16	0	0	0	0	294	30	0	0	0	0	2,586	1	0	0	0	2,330
721+00	174	19	0	0	0	0	301	32	0	0	0	0	2,887	2	0	0	0	2,598
721+41	58	25	0	0	0	0	176	33	0	0	0	0	3,063	2	0	0	0	2,741
				Totals:			3,063	321	2	0	0	0						

Notes:	
1 - Cut	Cut includes unusable pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include unusable pavement excavation volume
4 - Expanded Marsh Backfill	Will be backfilled with granular backfill (or cut, or borrow)
5 - Select Crushed Material	Backfill for ebs and stripped topsoil in soil mitigation areas. See construction detail.
6 - Select Borrow	For soil mitigation areas. See construction detail.
7 - EBS	EBS for soil mitigation areas only. See construction detail.
8 - Expanded Fill	Expanded Fill = (Unexpanded Fill - Expanded Select Borrow - Reduced EBS) * Fill Factor
9 - Reduced EBS in Fill	Reduced EBS excavation that can be used in fill
10 - Mass Ordinate	[Cut - Unusable Pavt - ((Fill - Expanded Select Borrow - Reduced EBS in Fill) * Fill Factor)]



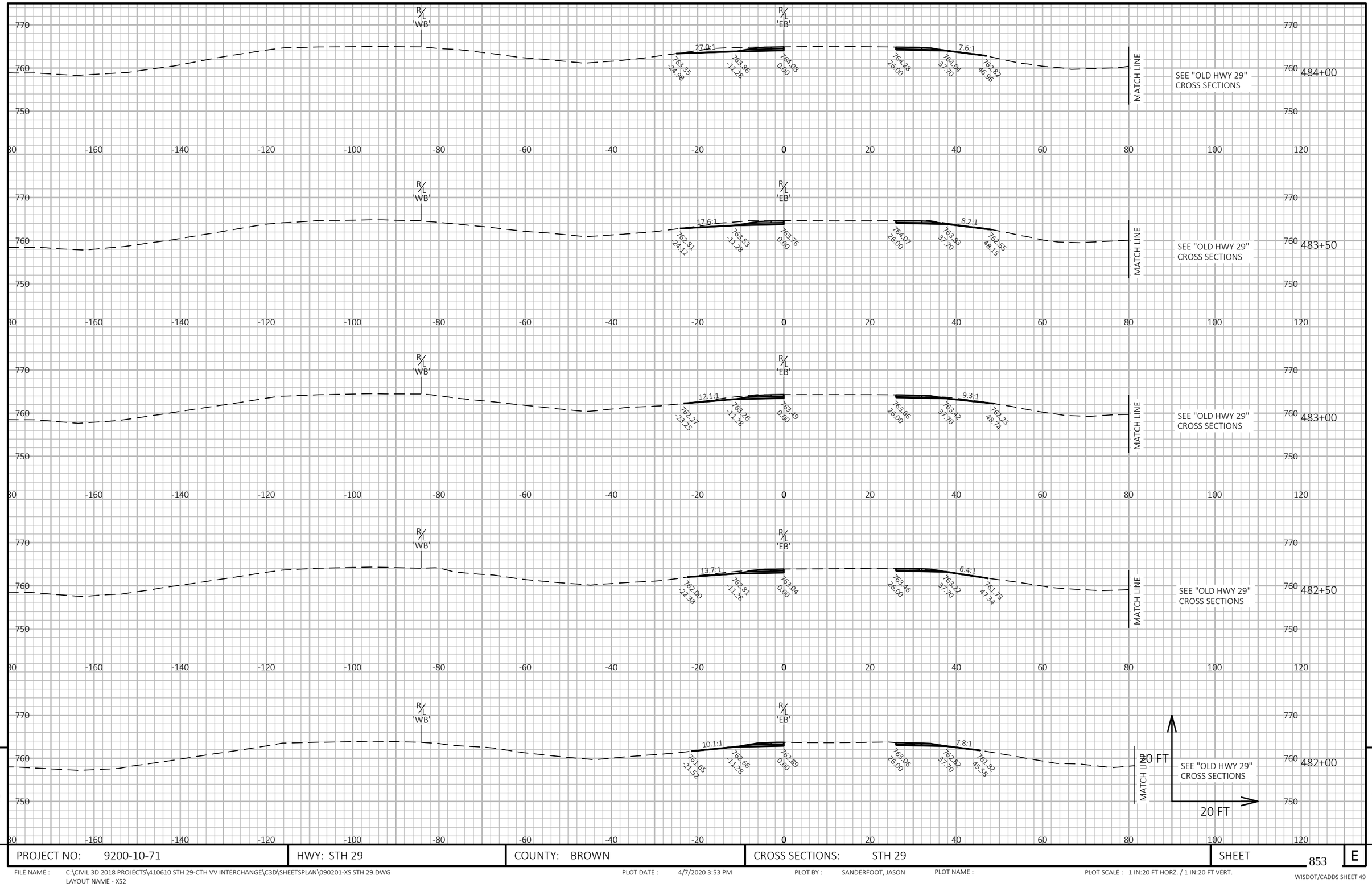
BEGIN PROJECT

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 852	E

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LAYOUT NAME - XS1

PLOT DATE : 4/7/2020 3:53 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

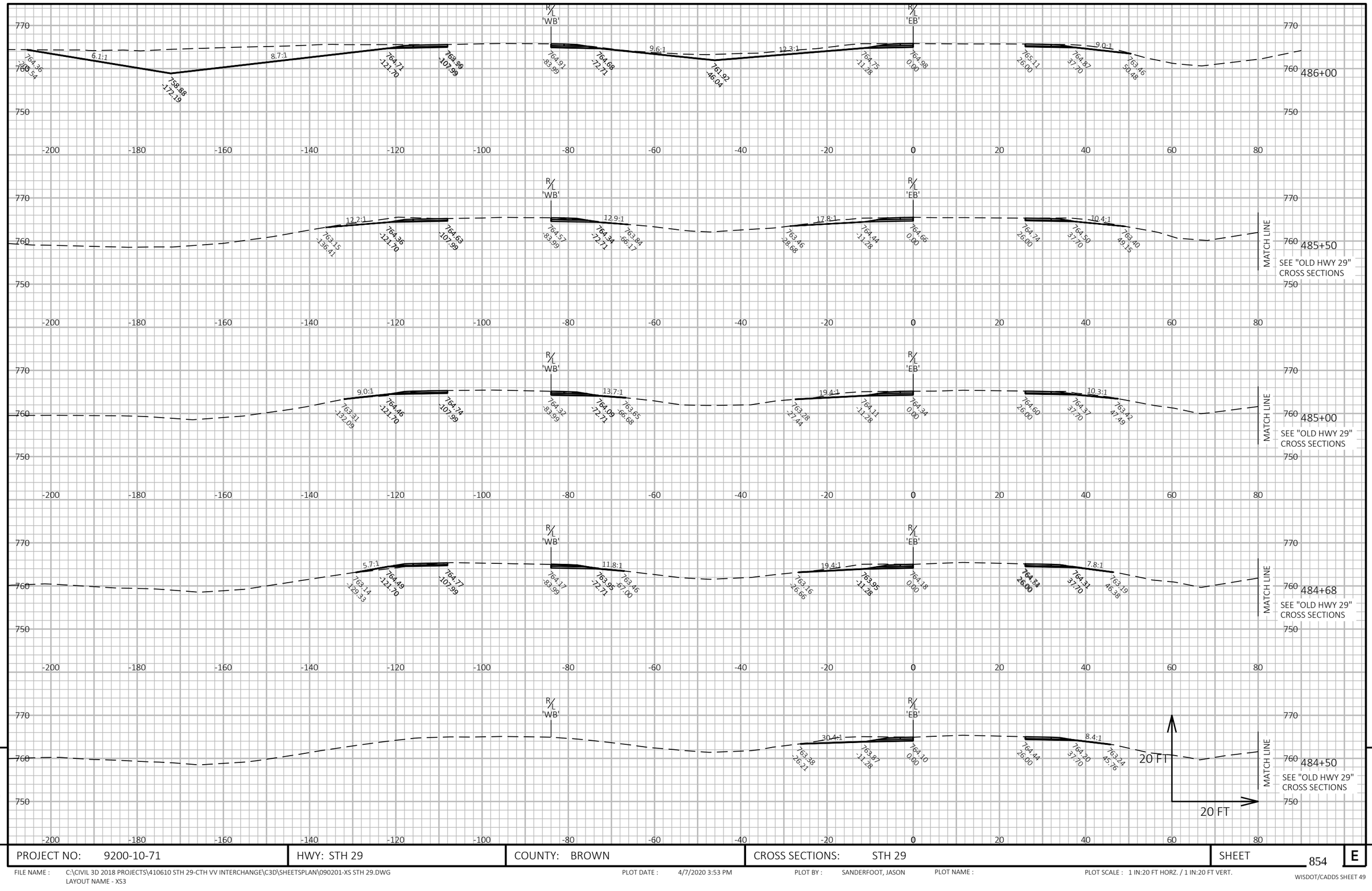
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 853	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS2

PLOT DATE : 4/7/2020 3:53 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

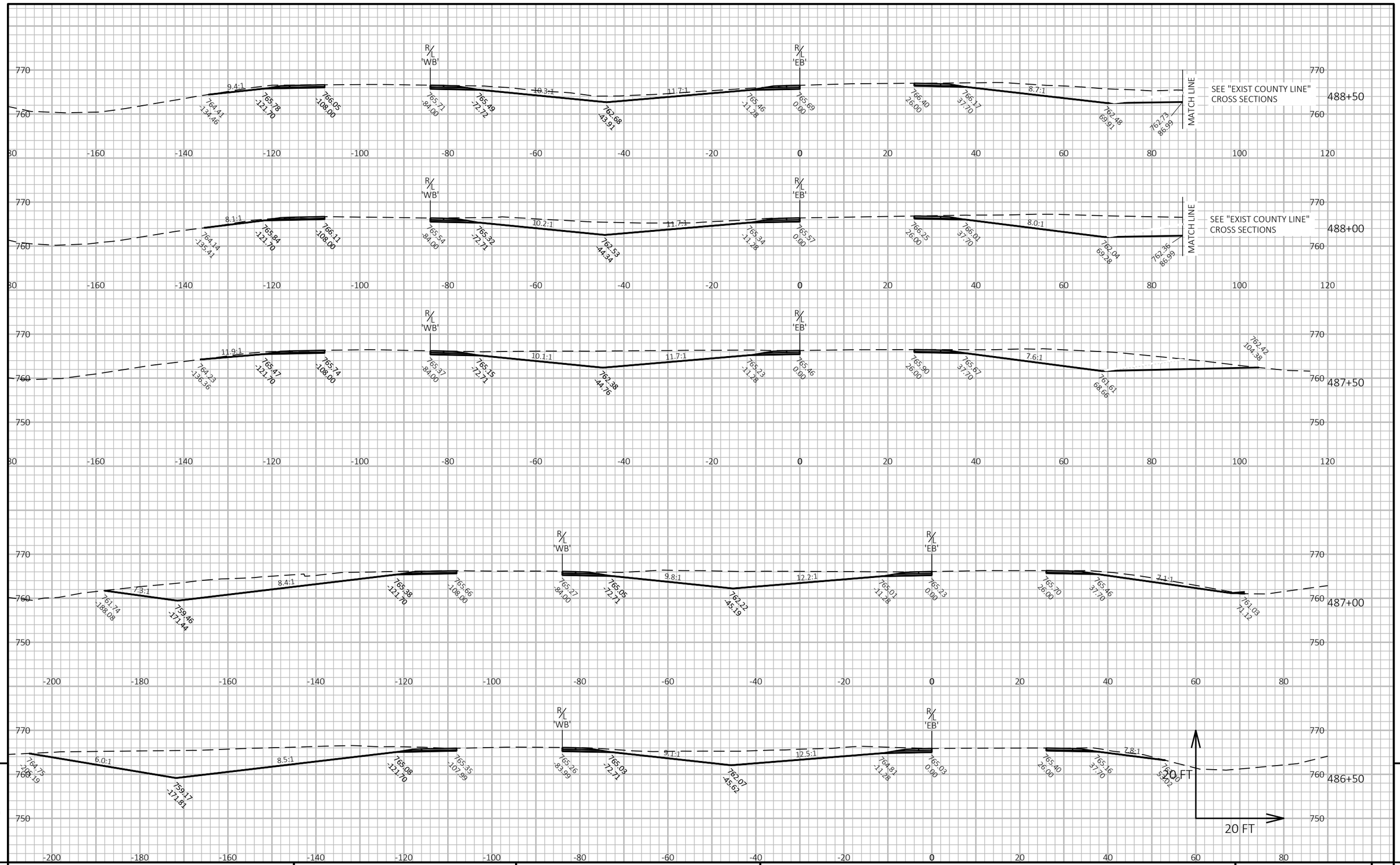
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 854	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS3

PLOT DATE : 4/7/2020 3:53 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 855	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS4

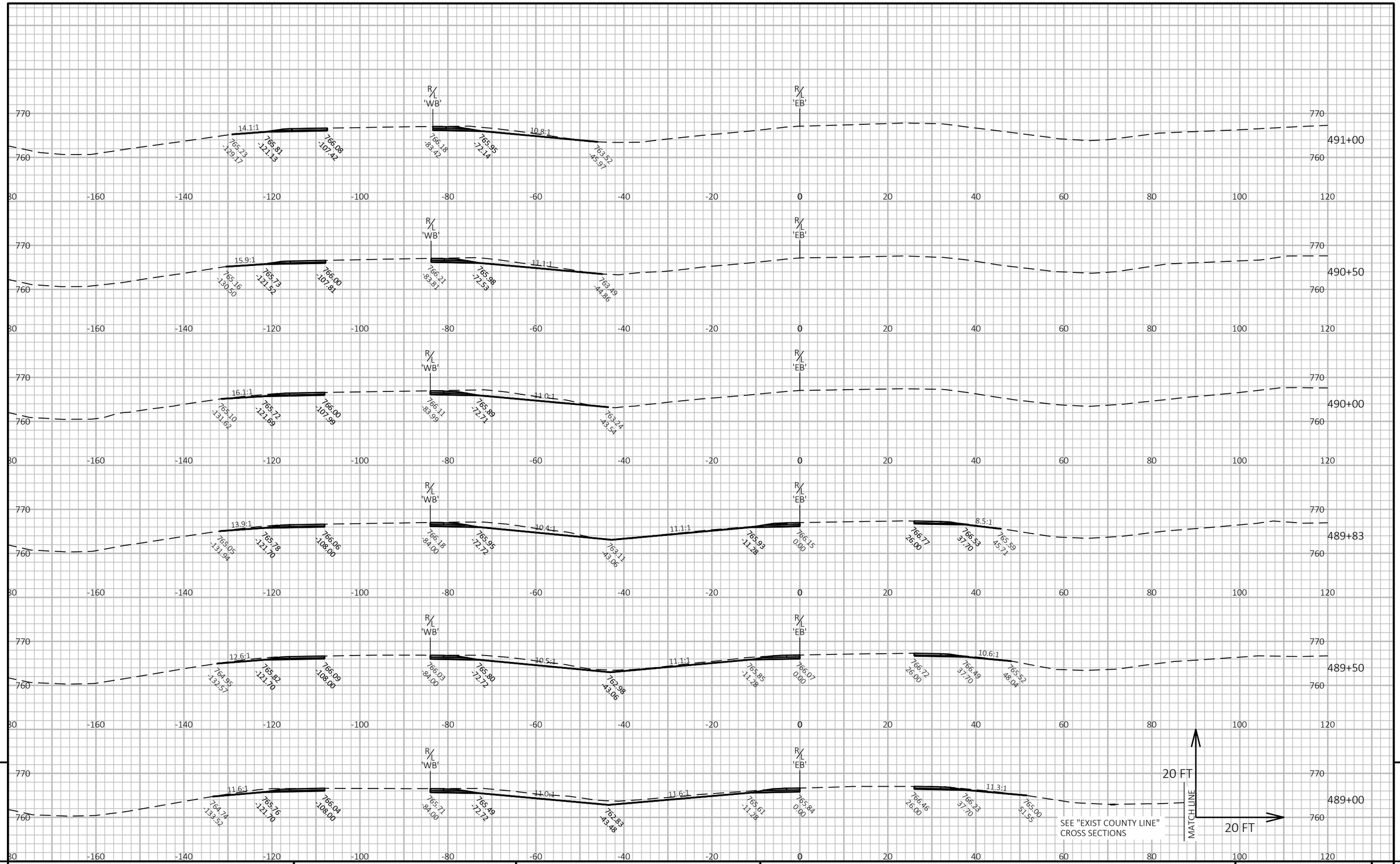
PLOT DATE : 4/7/2020 3:53 PM

PLOT BY : SANDERFOOT, JASON

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 856	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS5

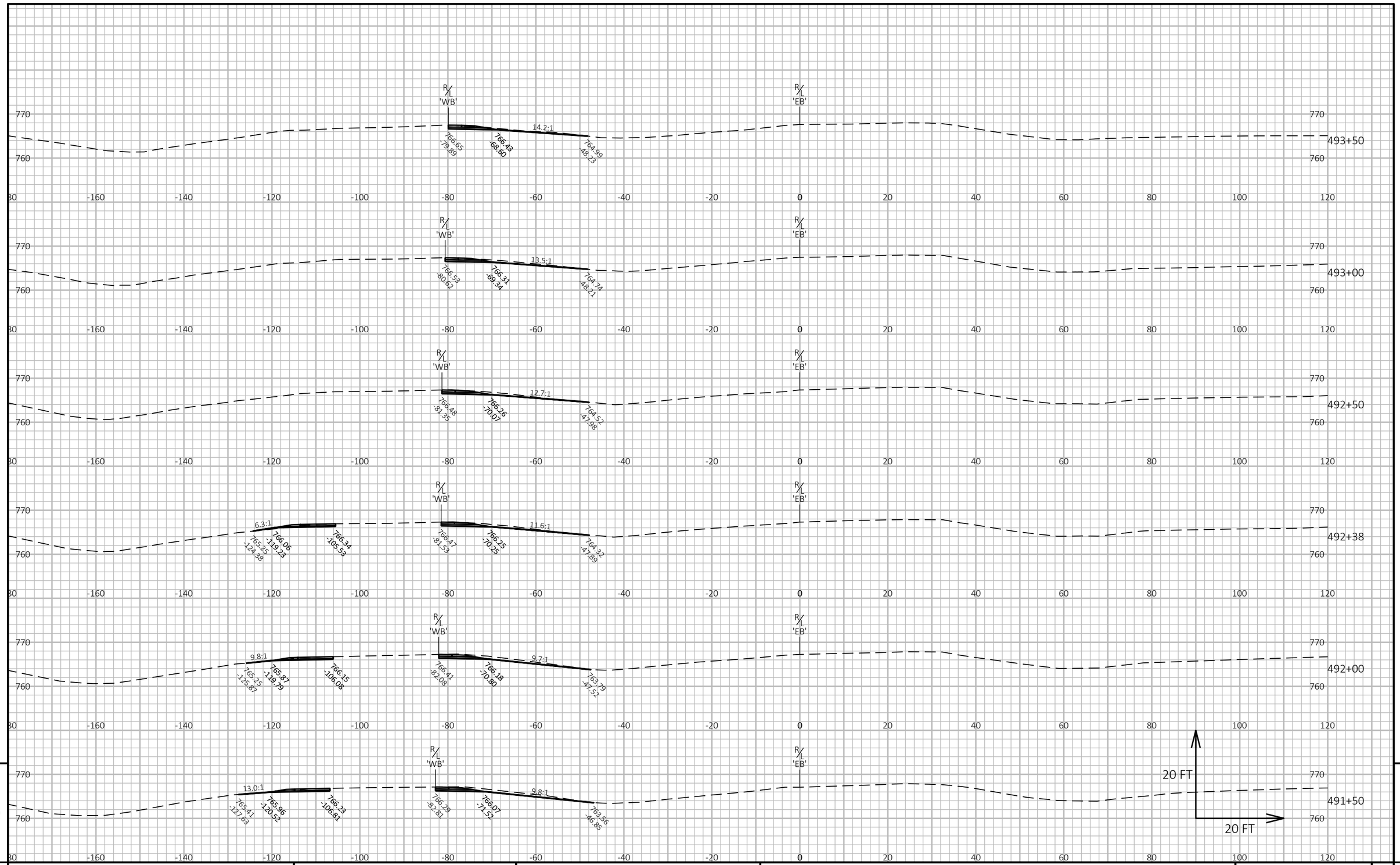
PLOT DATE : 4/7/2020 3:54 PM

PLOT BY : SANDERFOOT, JASON

PLOT NAME :

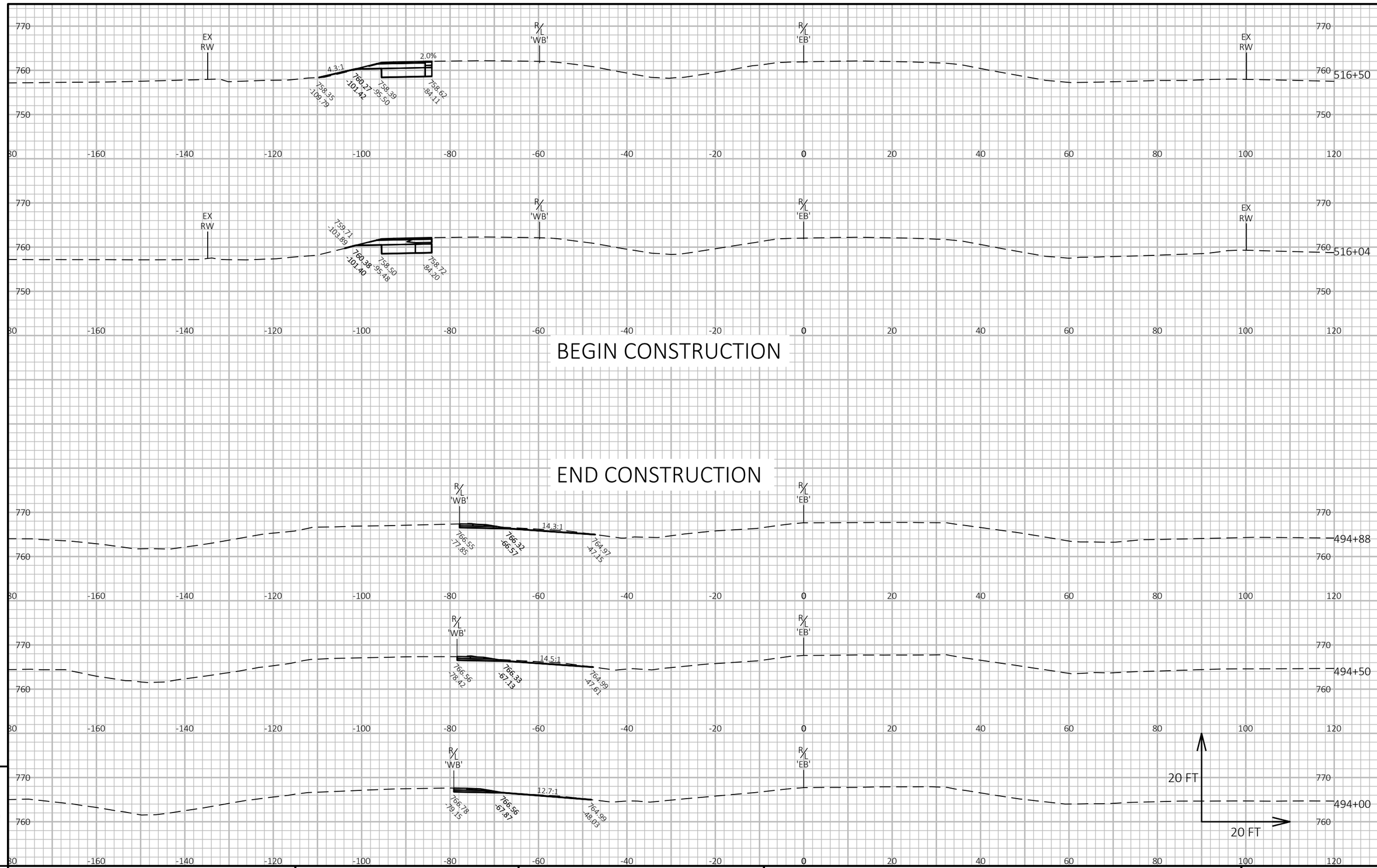
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WISDOT/CADDS SHEET 49



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 857	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS6
PLOT DATE : 4/7/2020 3:54 PM
PLOT BY : SANDERFOOT, JASON
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 858	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS7

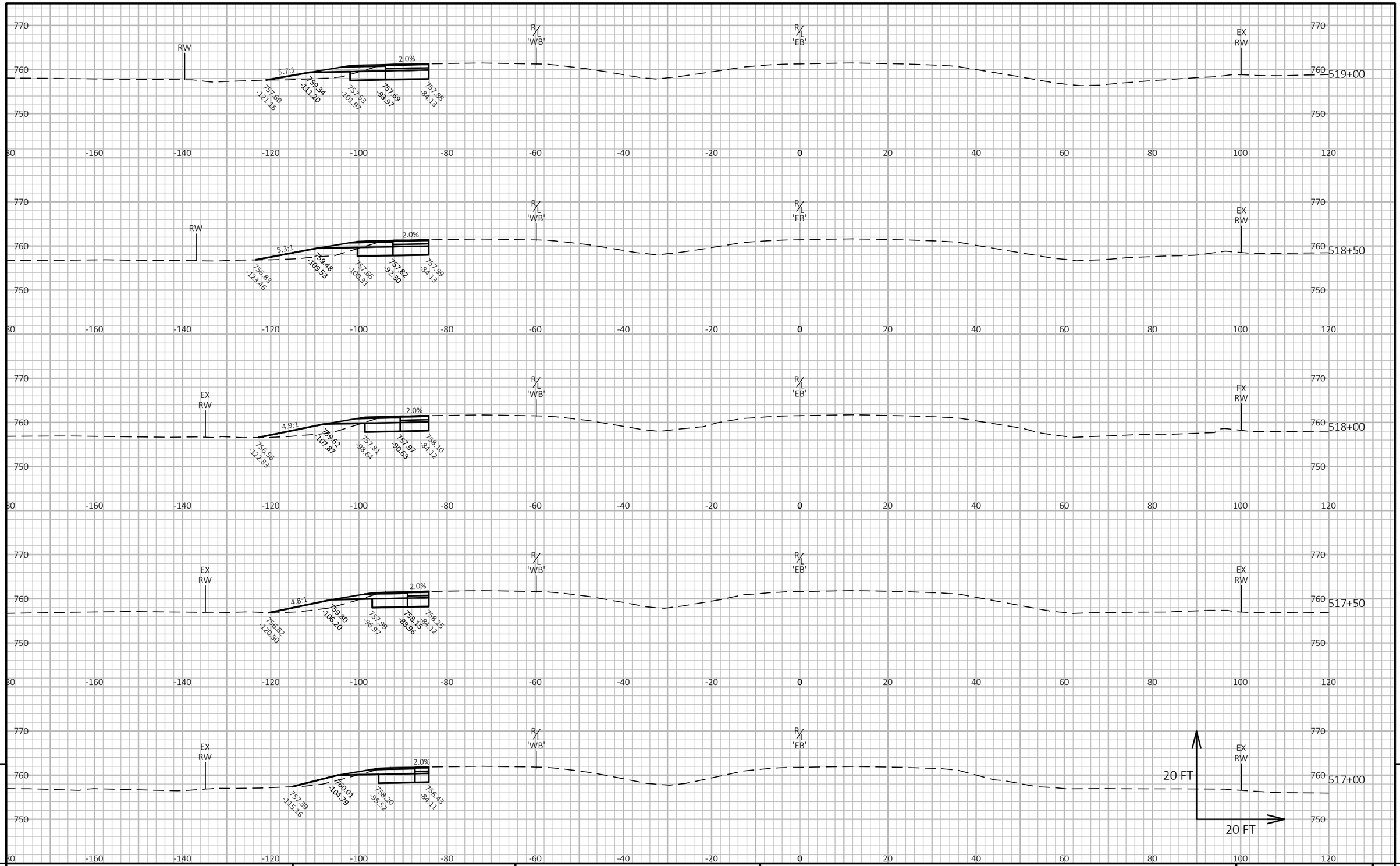
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PLOT BY : SANDERFOOT, JASON

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

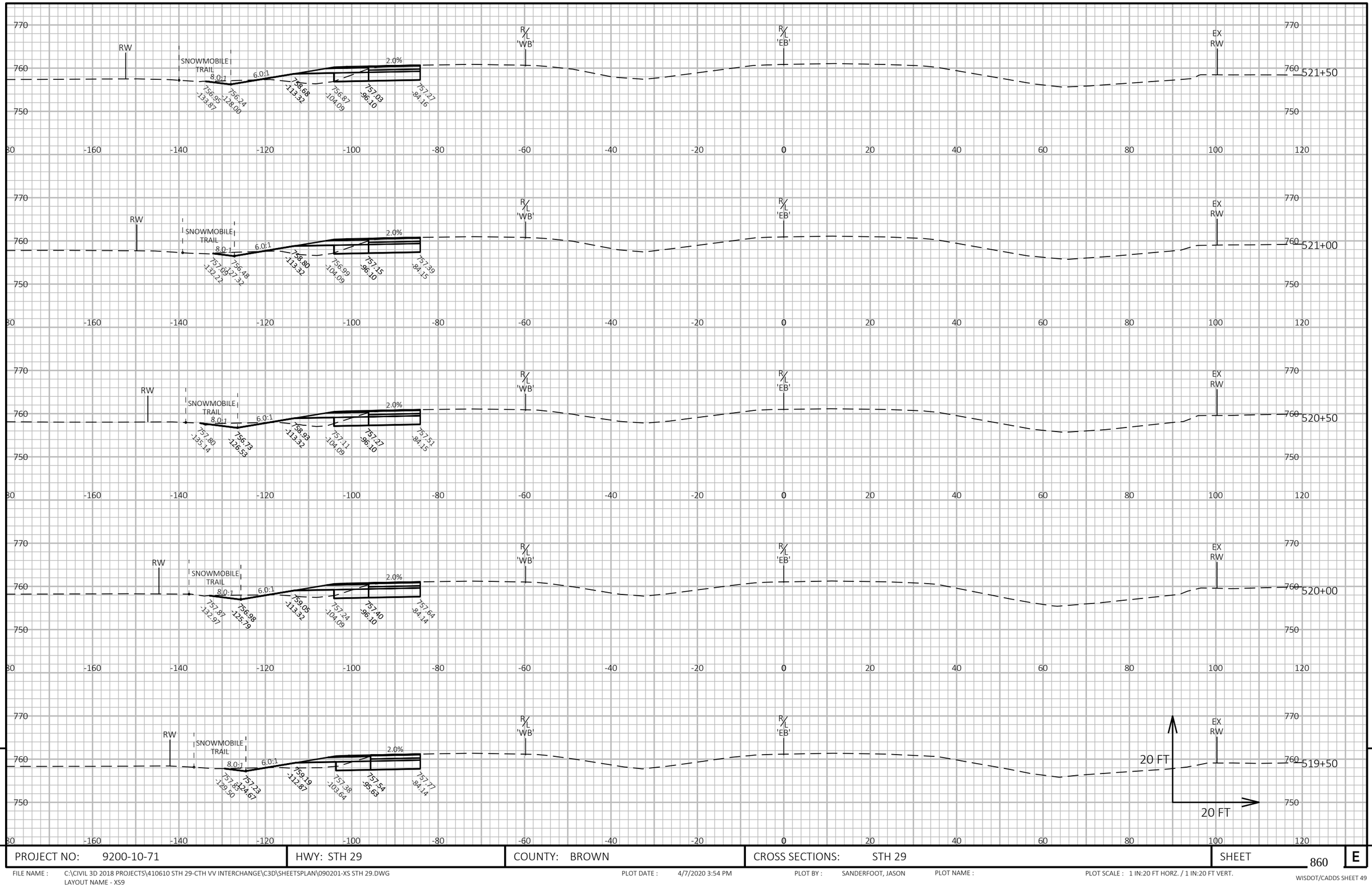


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 859	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS8

PLOT DATE : 4/7/2020 3:54 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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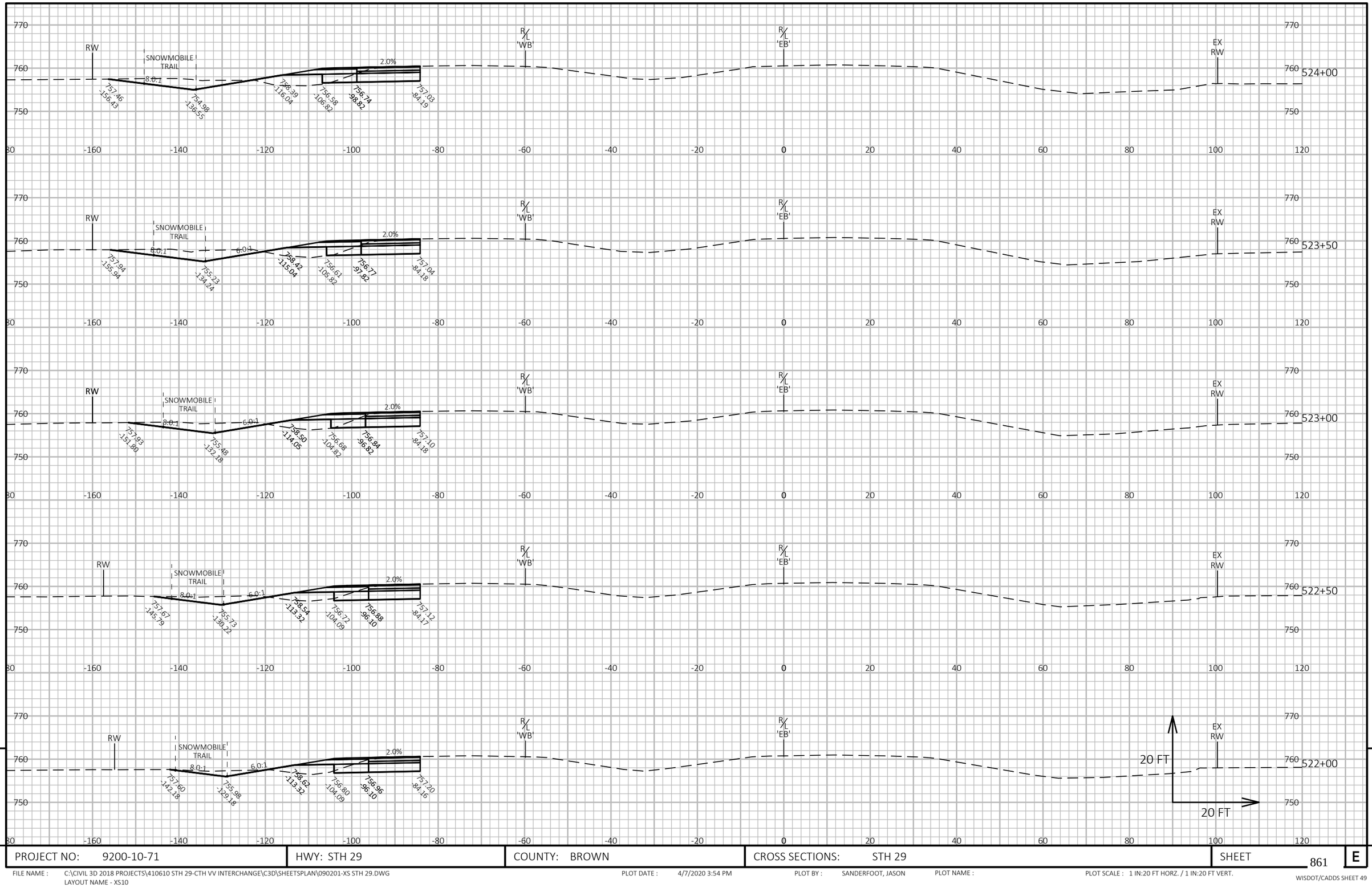
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 860	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS9

PLOT DATE : 4/7/2020 3:54 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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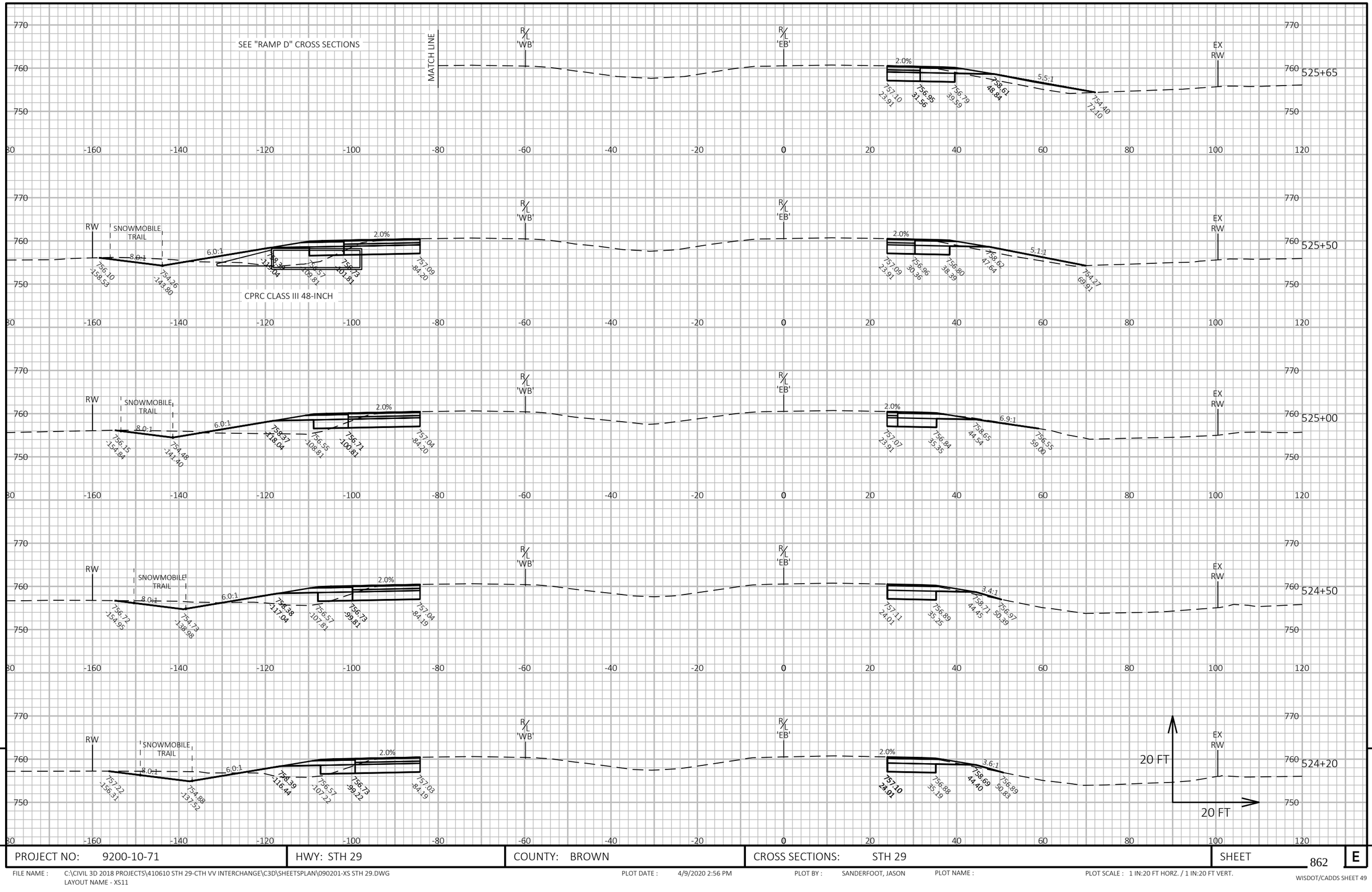
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 861	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS10

PLOT DATE : 4/7/2020 3:54 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

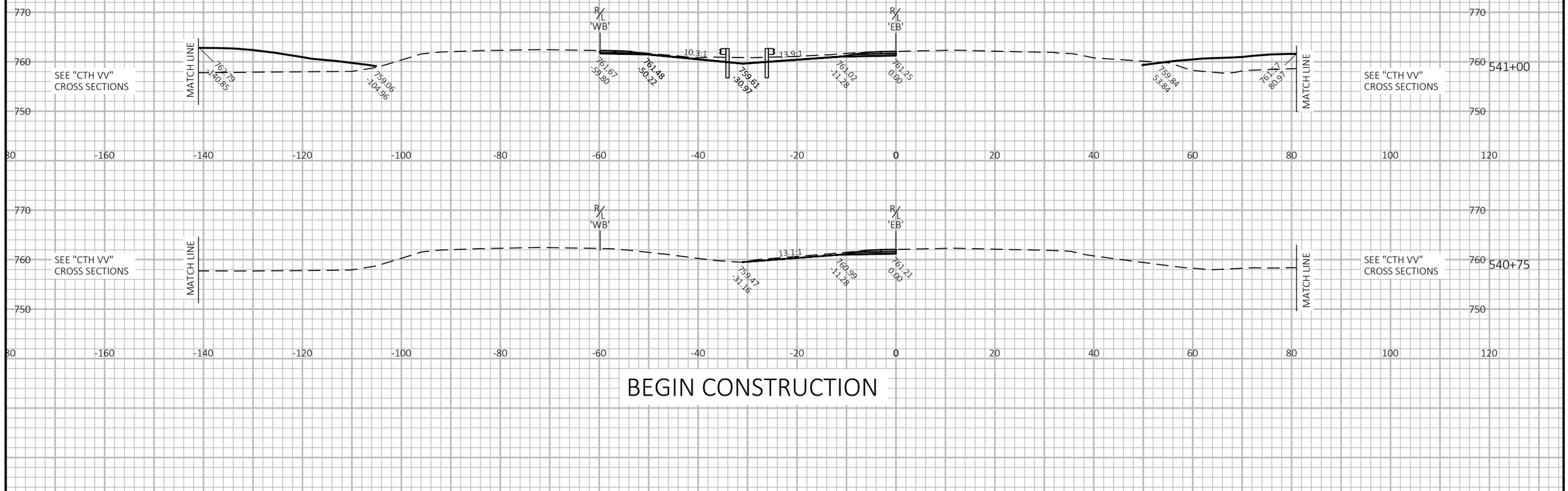
WISDOT/CADDS SHEET 49



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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 862 E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS11
PLOT DATE : 4/9/2020 2:56 PM
PLOT BY : SANDERFOOT, JASON
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



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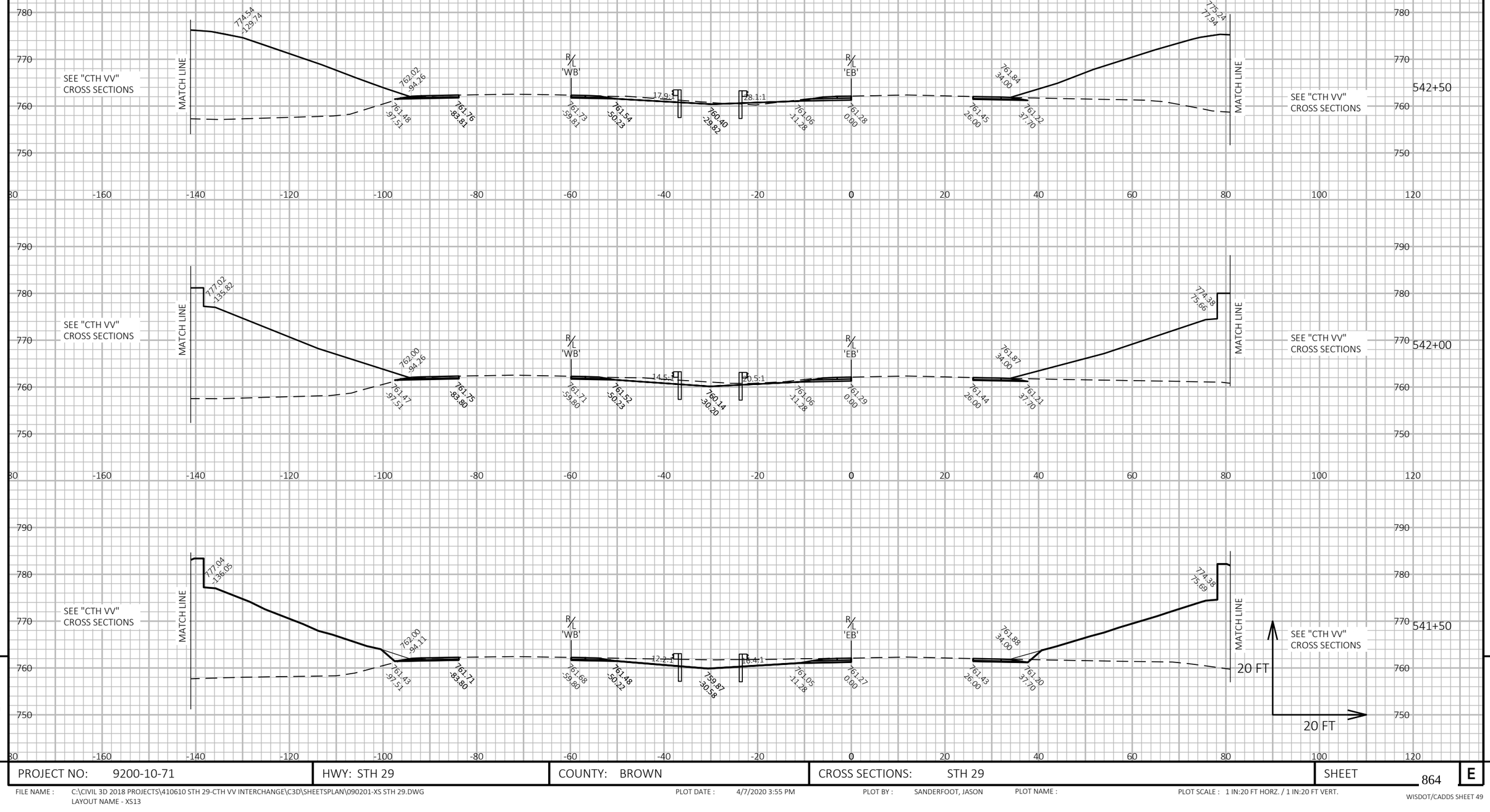
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 863	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS12

PLOT DATE : 4/7/2020 3:55 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 864	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS13

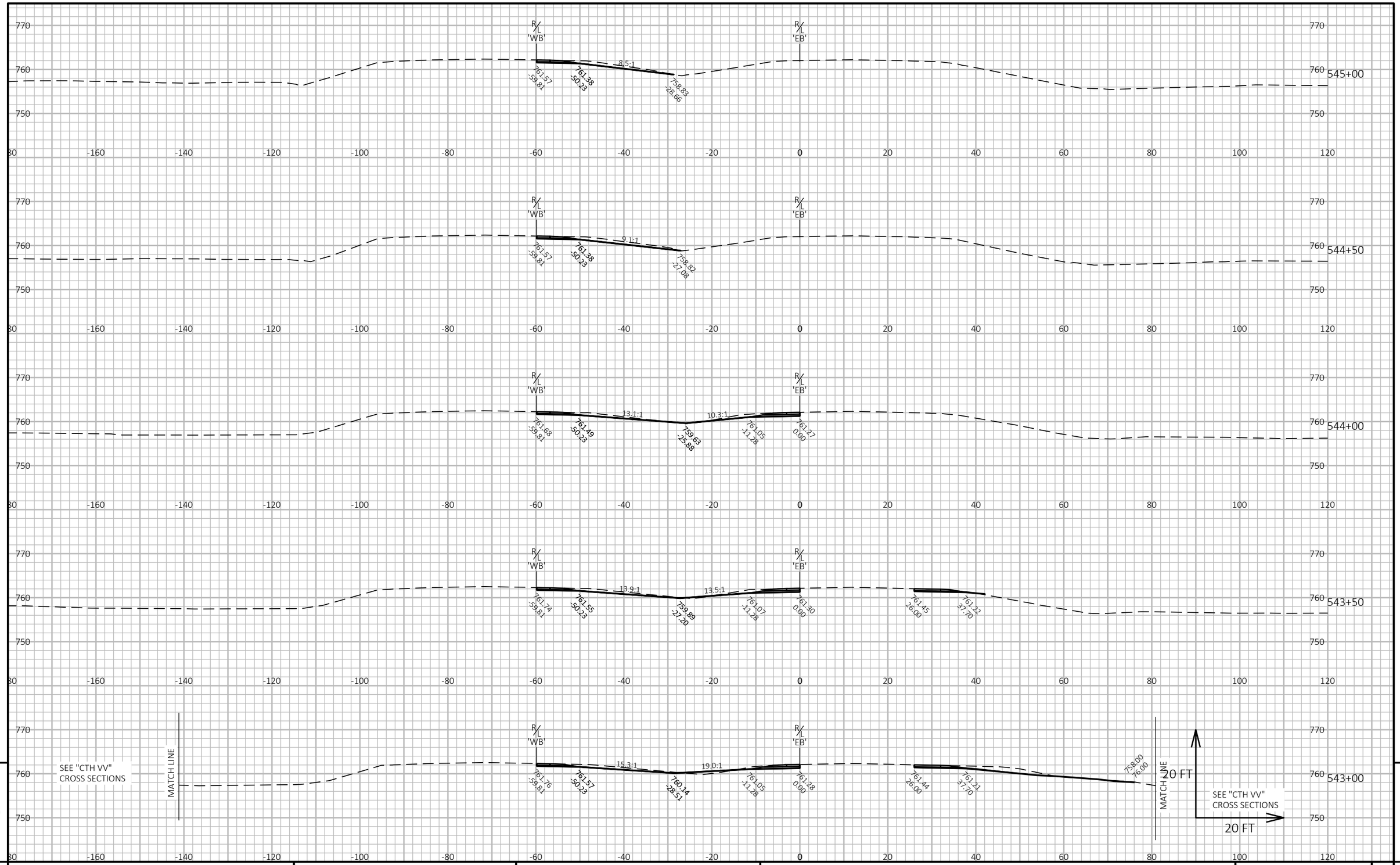
PLOT DATE : 4/7/2020 3:55 PM

PLOT BY : SANDERFOOT, JASON

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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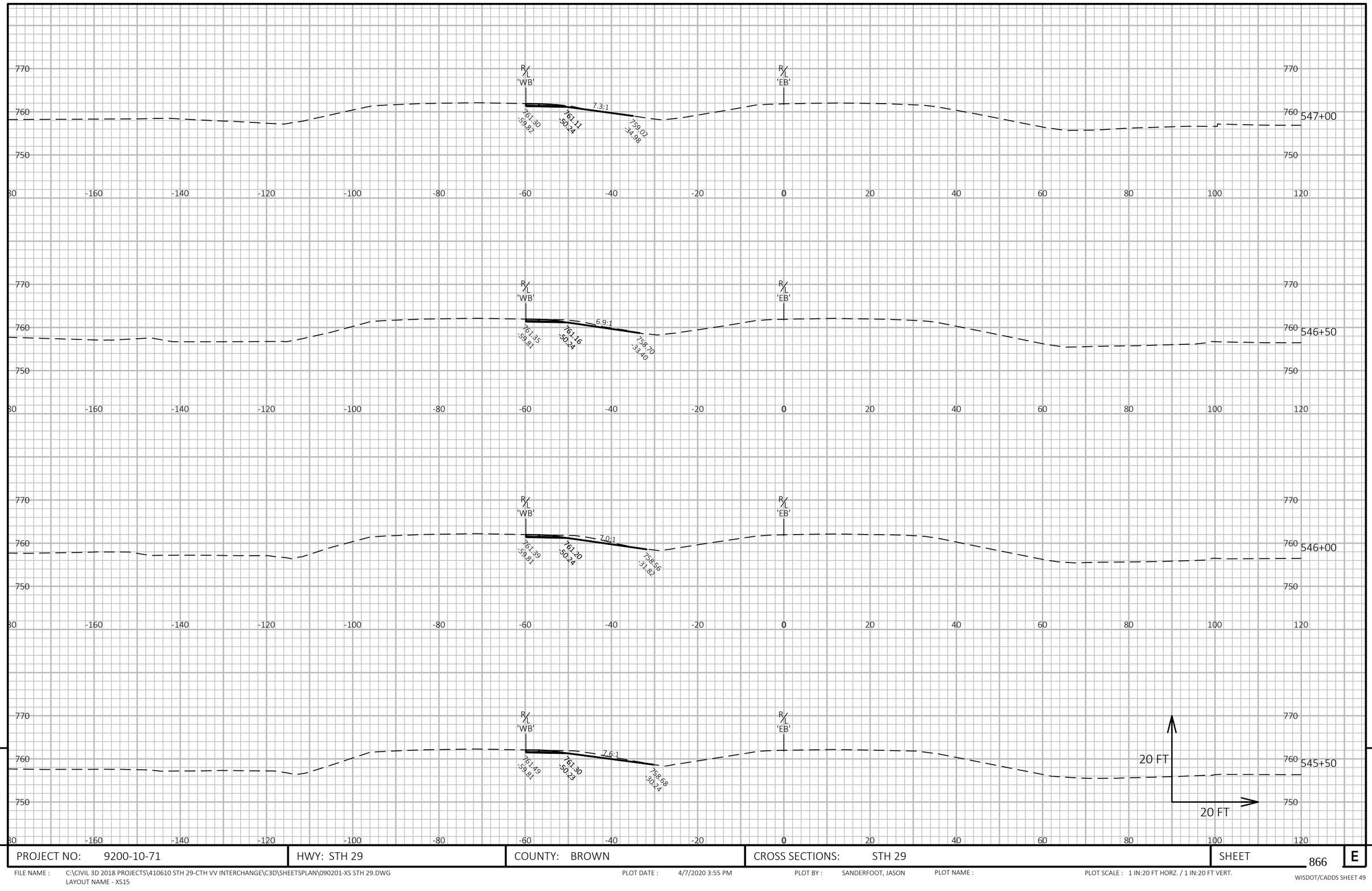
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 865	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS14

PLOT DATE : 4/7/2020 3:55 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 866	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS15

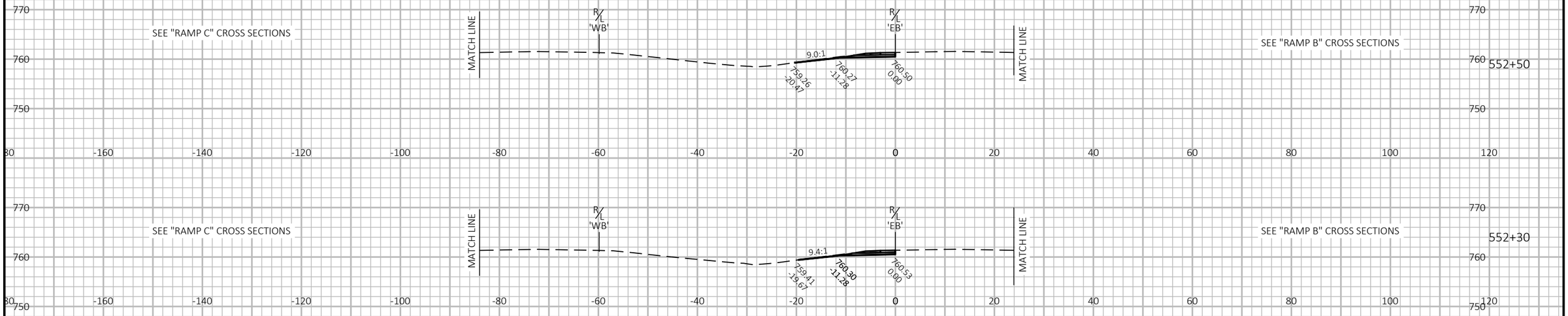
PLOT DATE : 4/7/2020 3:55 PM

PLOT BY : SANDERFOOT, JASON

PLOT NAME :

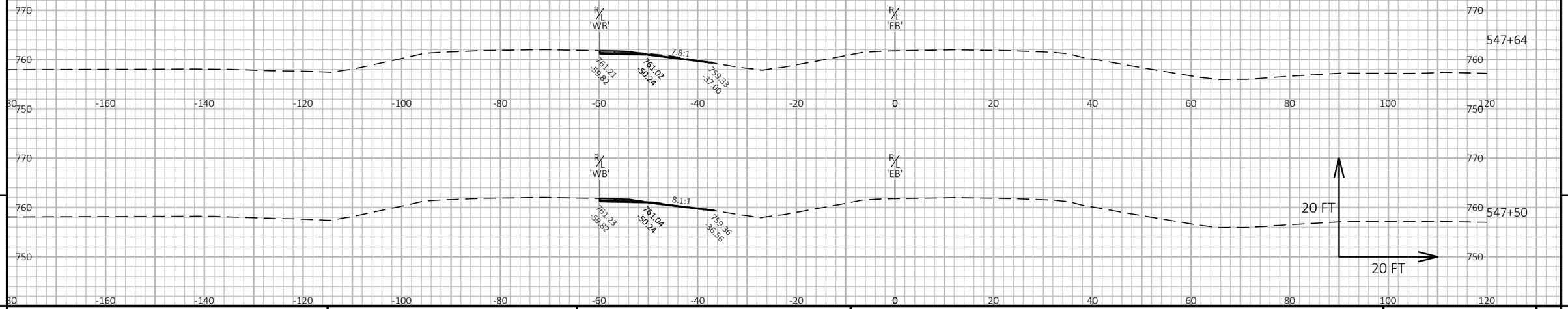
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WISDOT/CADDS SHEET 49



BEGIN CONSTRUCTION

END CONSTRUCTION



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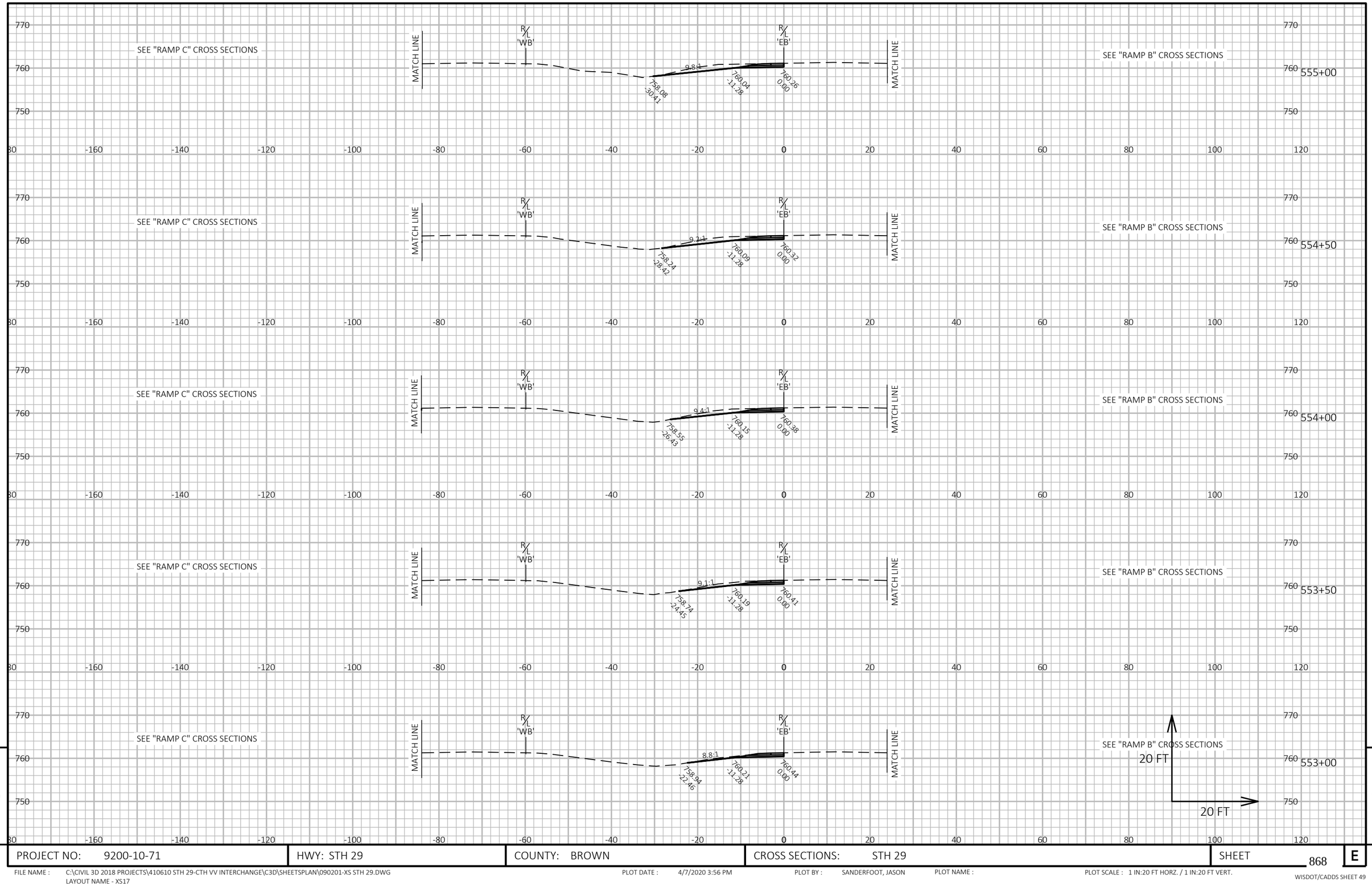
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 867	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS16

PLOT DATE : 4/7/2020 3:55 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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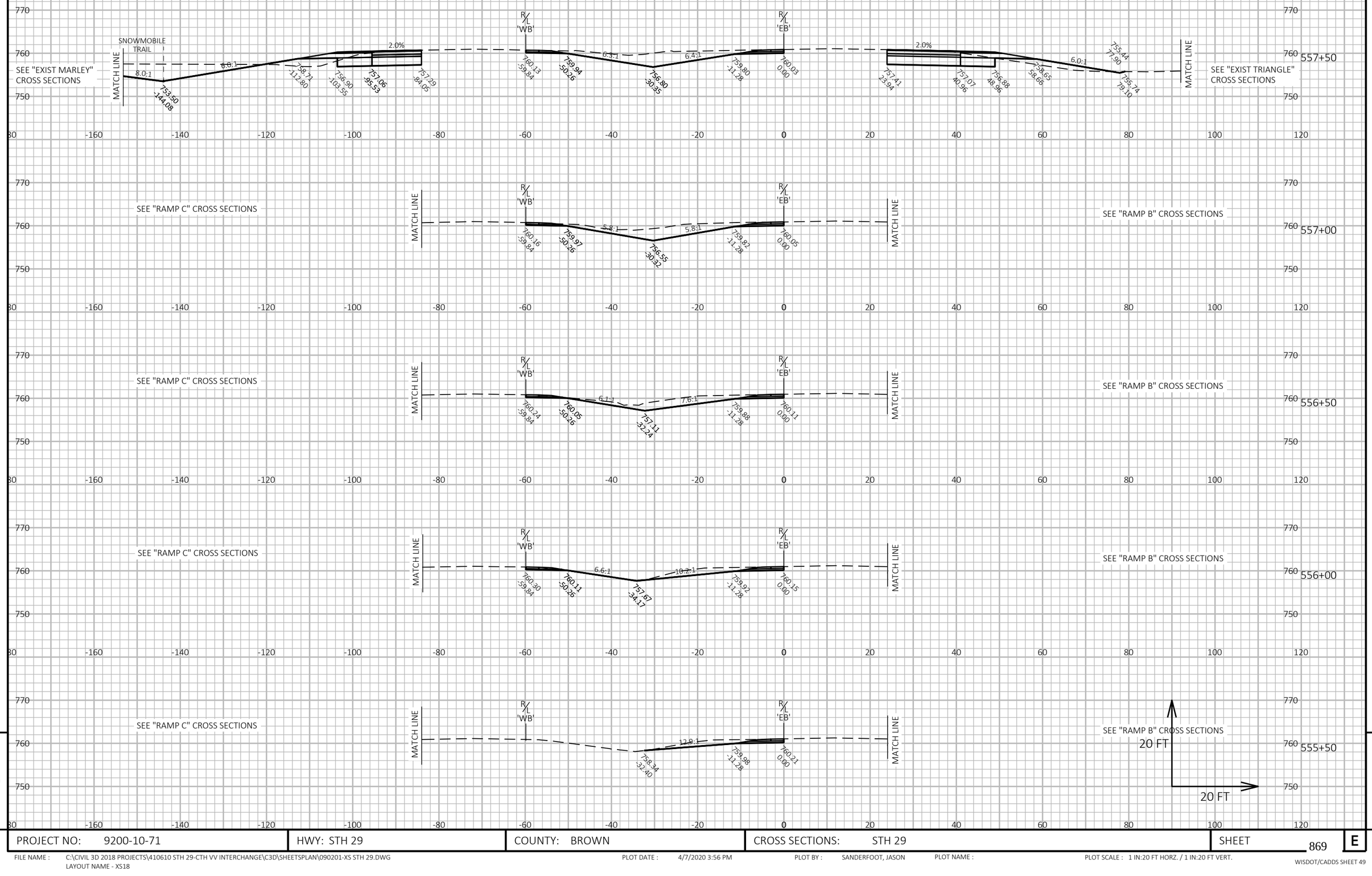
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 868	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS17

PLOT DATE : 4/7/2020 3:56 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 869	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS18

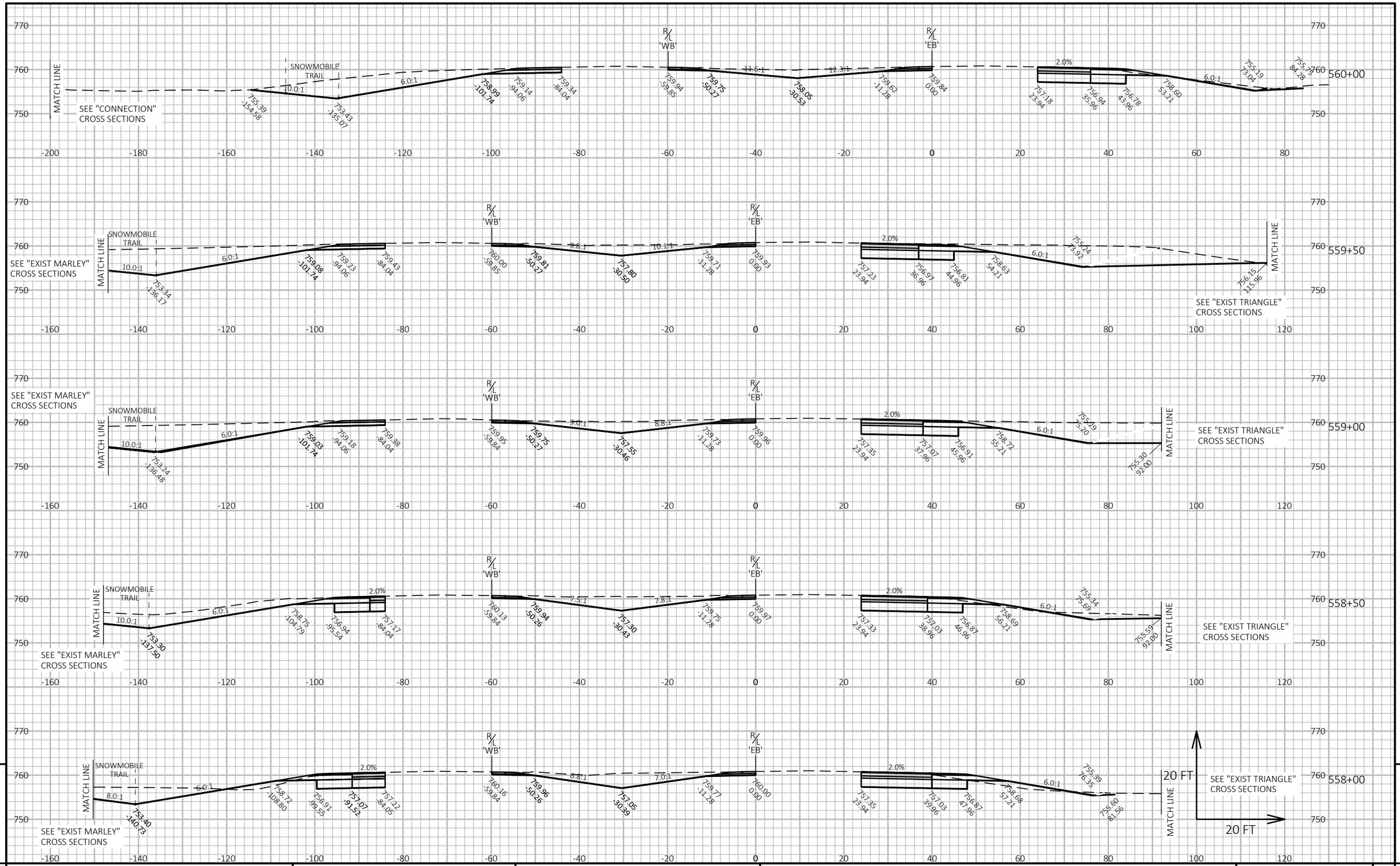
PLOT DATE : 4/7/2020 3:56 PM

PLOT BY : SANDERFOOT, JASON

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

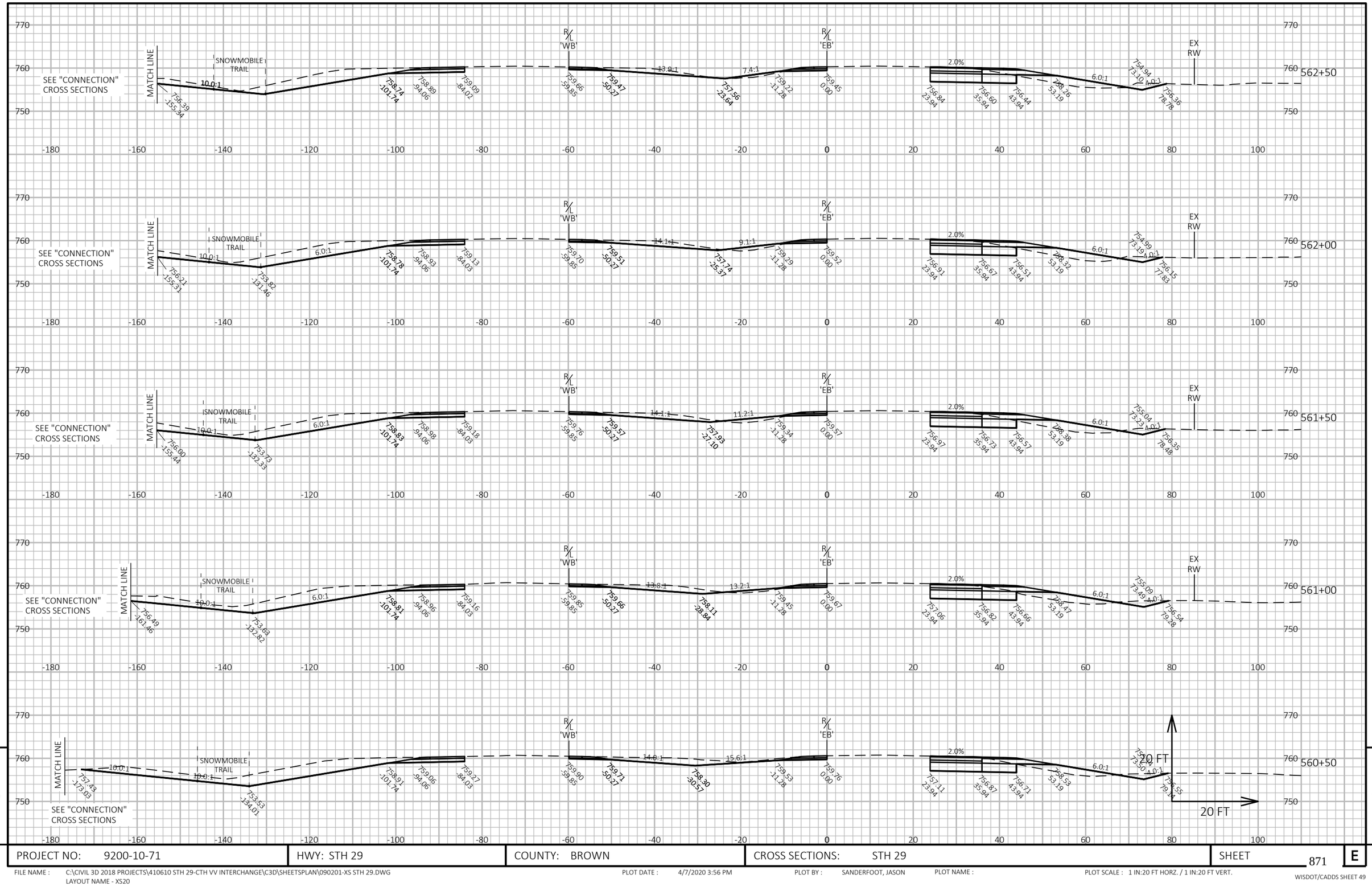


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 870	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS19

PLOT DATE : 4/7/2020 3:56 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 871	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS20

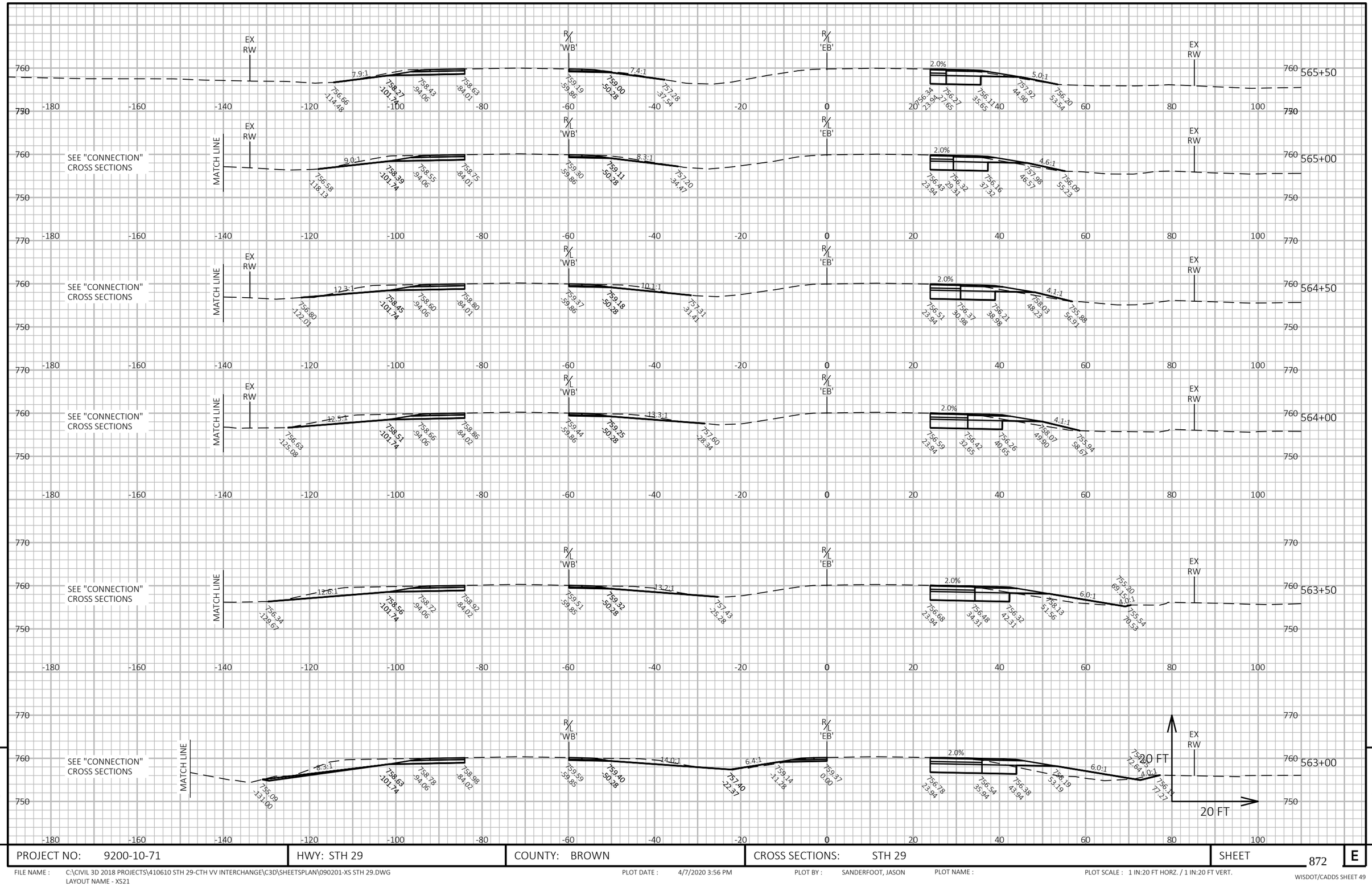
PLOT DATE : 4/7/2020 3:56 PM

PLOT BY : SANDERFOOT, JASON

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



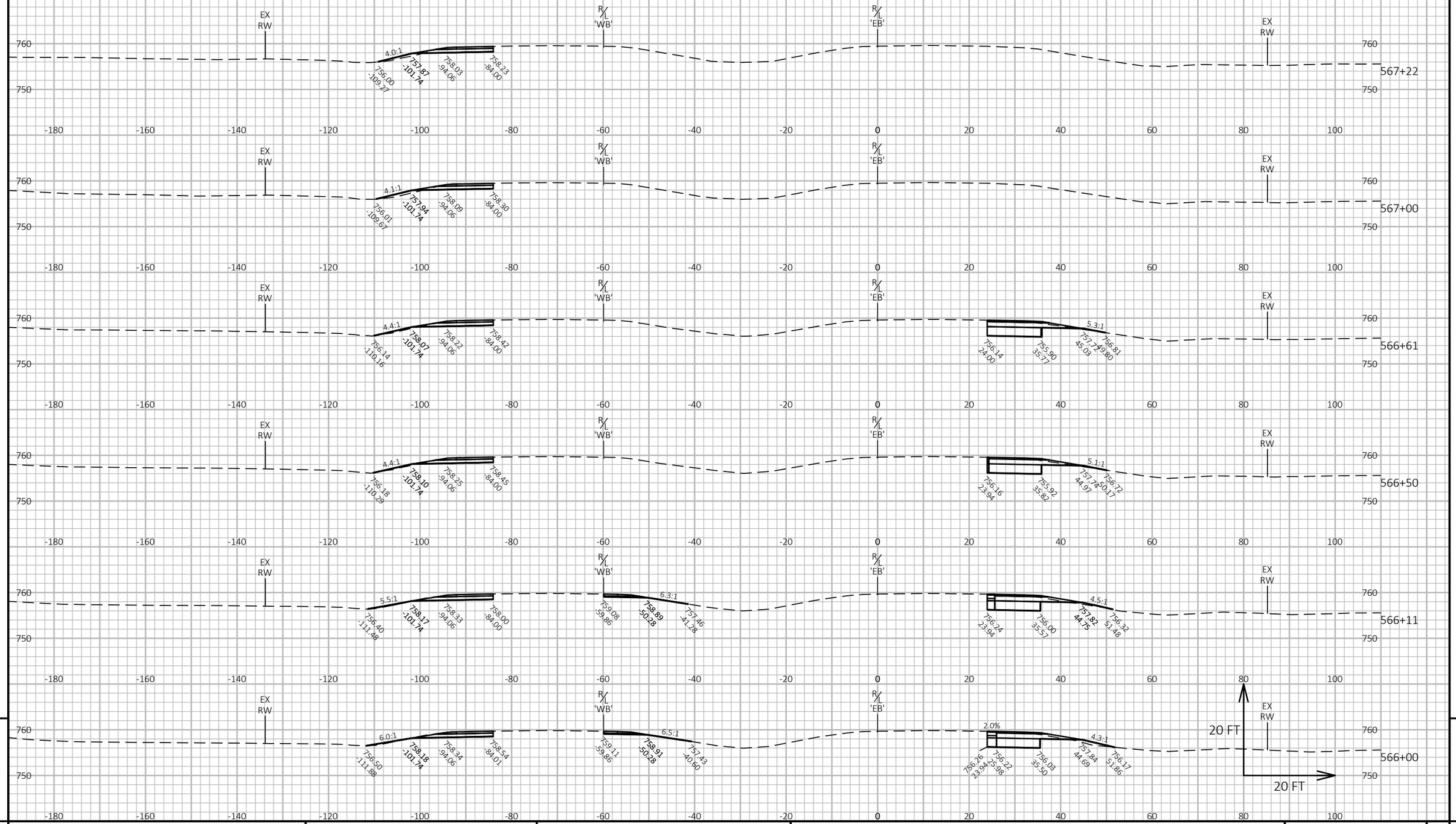
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 872 E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS21

PLOT DATE : 4/7/2020 3:56 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION



9

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 873	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS22

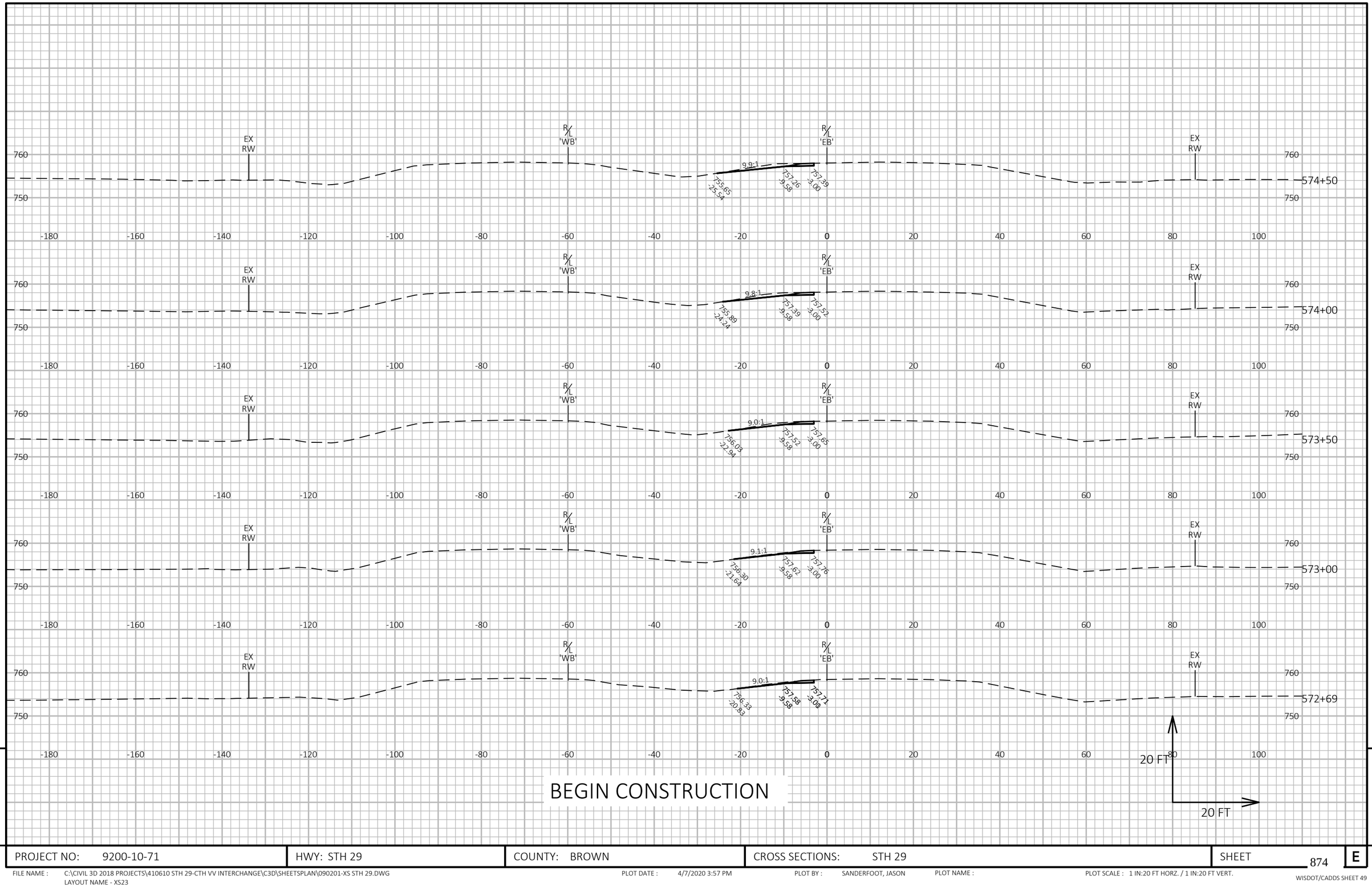
PLOT DATE : 4/7/2020 3:56 PM

PLOT BY : SANDERFOOT, JASON

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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BEGIN CONSTRUCTION

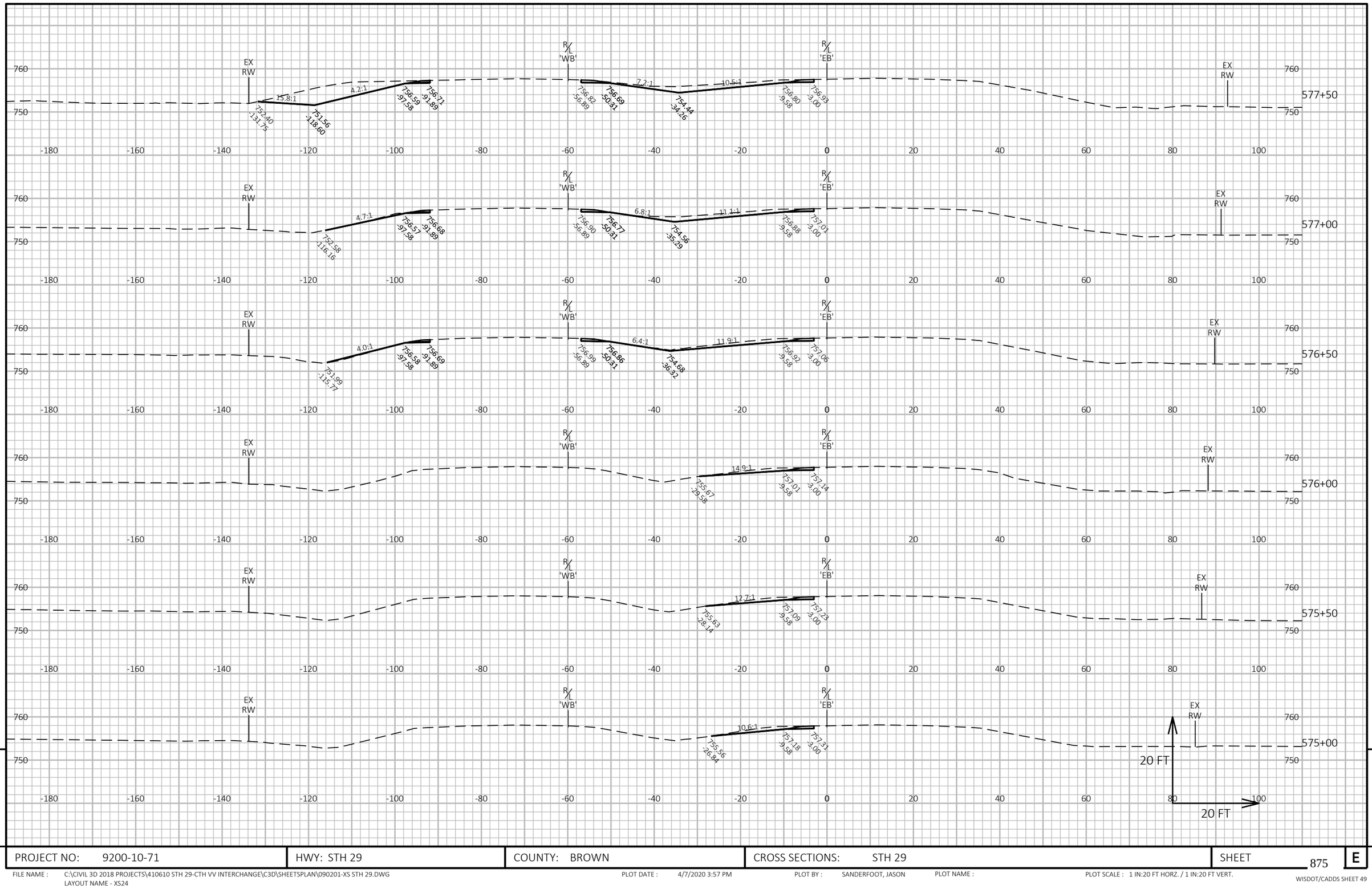
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 874	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS23

PLOT DATE : 4/7/2020 3:57 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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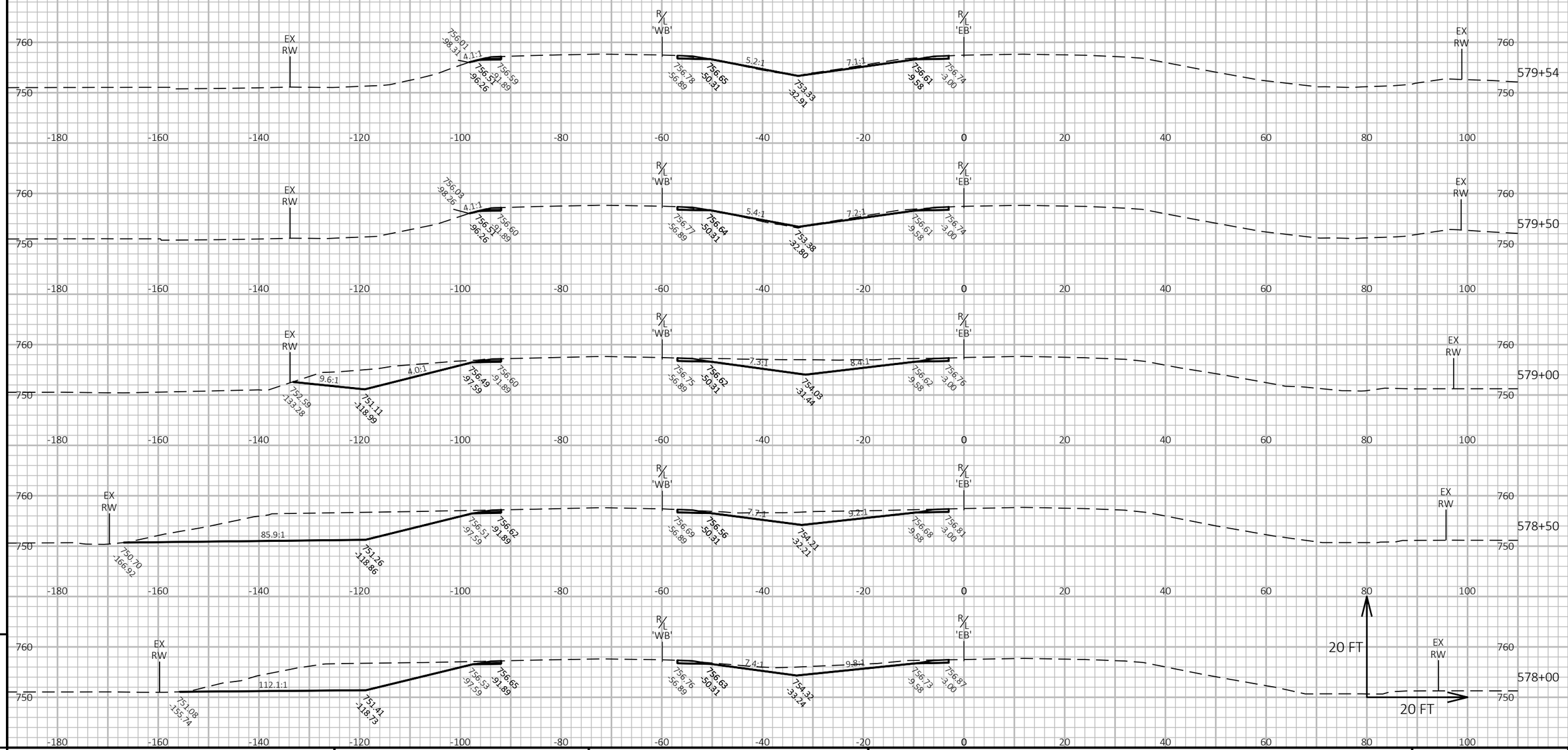
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 875	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS24

PLOT DATE : 4/7/2020 3:57 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

END PROJECT



9

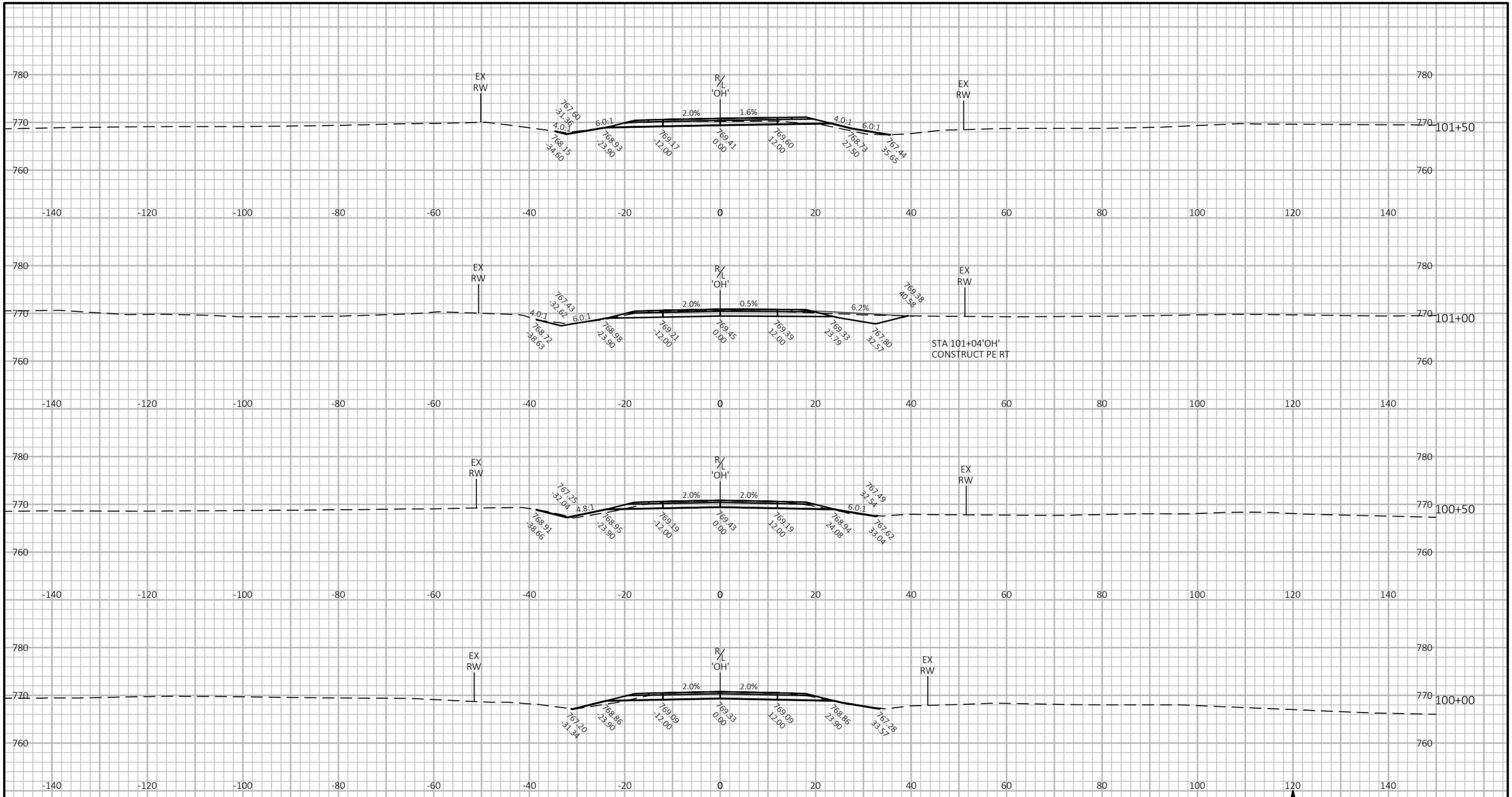
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: STH 29	SHEET 876	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS STH 29.DWG
LAYOUT NAME - XS25

PLOT DATE : 4/7/2020 3:57 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



BEGIN CONSTRUCTION

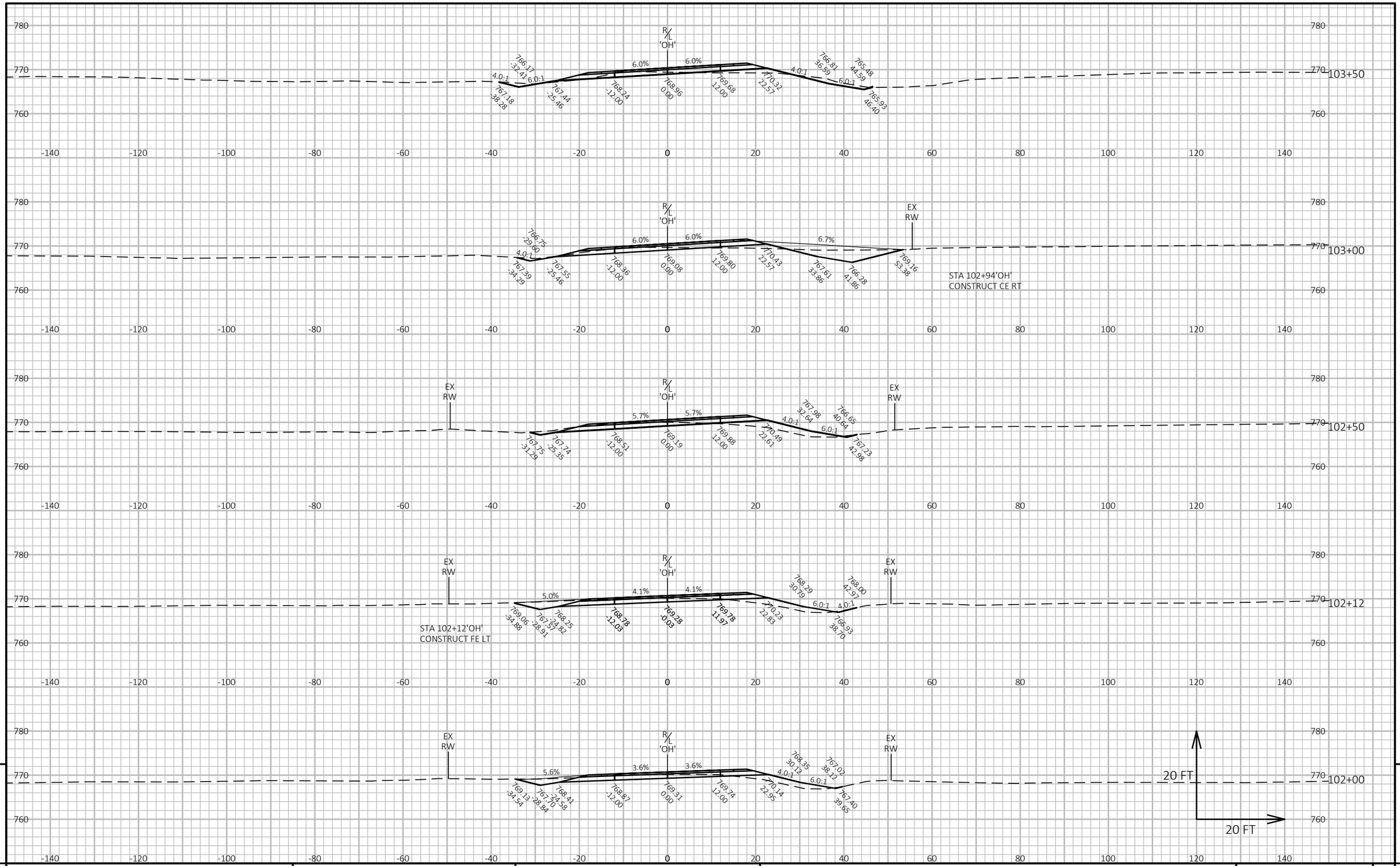
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: OLD HWY 29	SHEET 877	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS OLD HWY 29.DWG
LAYOUT NAME - OH1

PLOT DATE : 4/7/2020 5:52 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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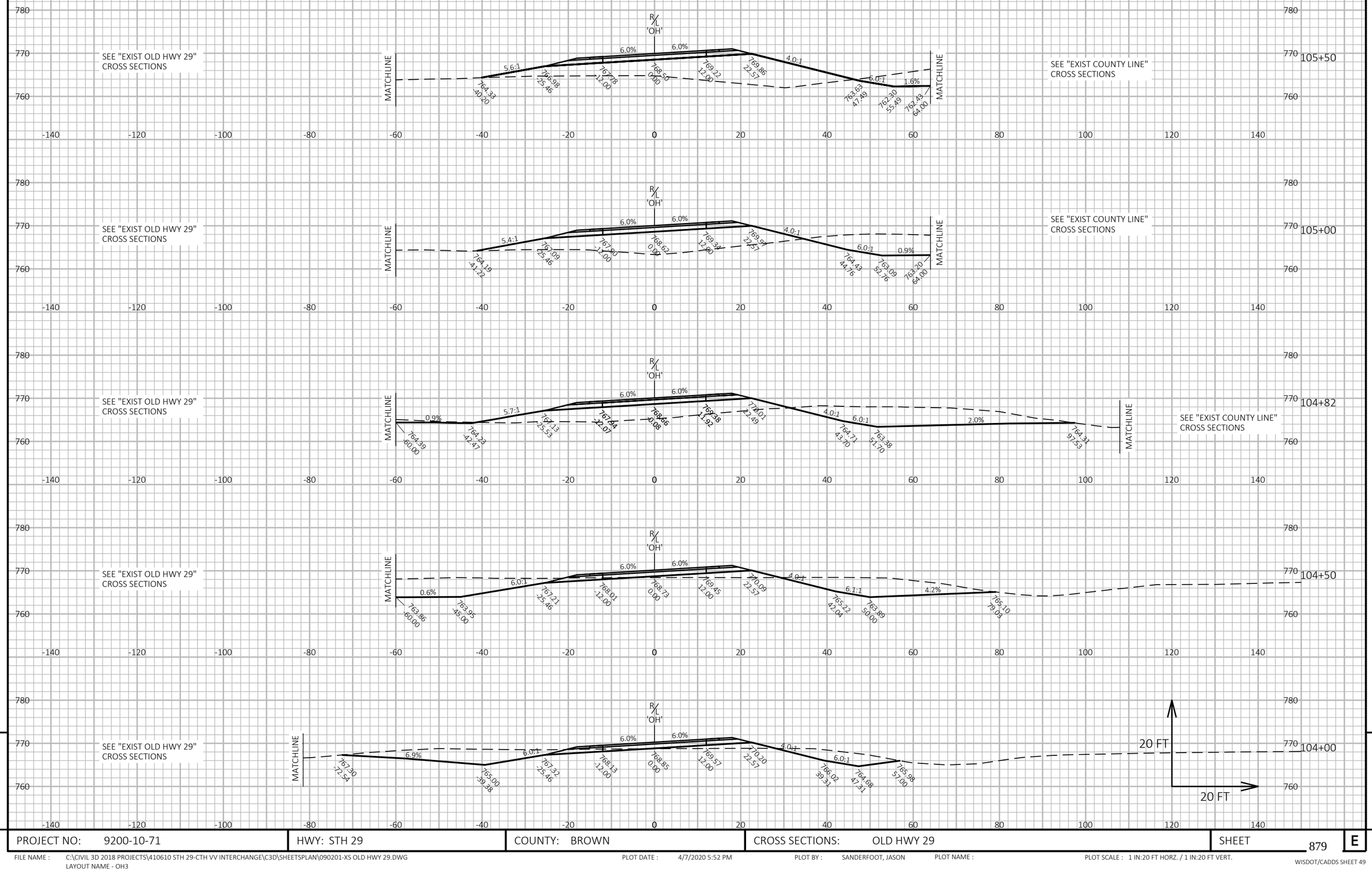
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: OLD HWY 29	SHEET 878	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS OLD HWY 29.DWG
LAYOUT NAME - OH2

PLOT DATE : 4/7/2020 5:52 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

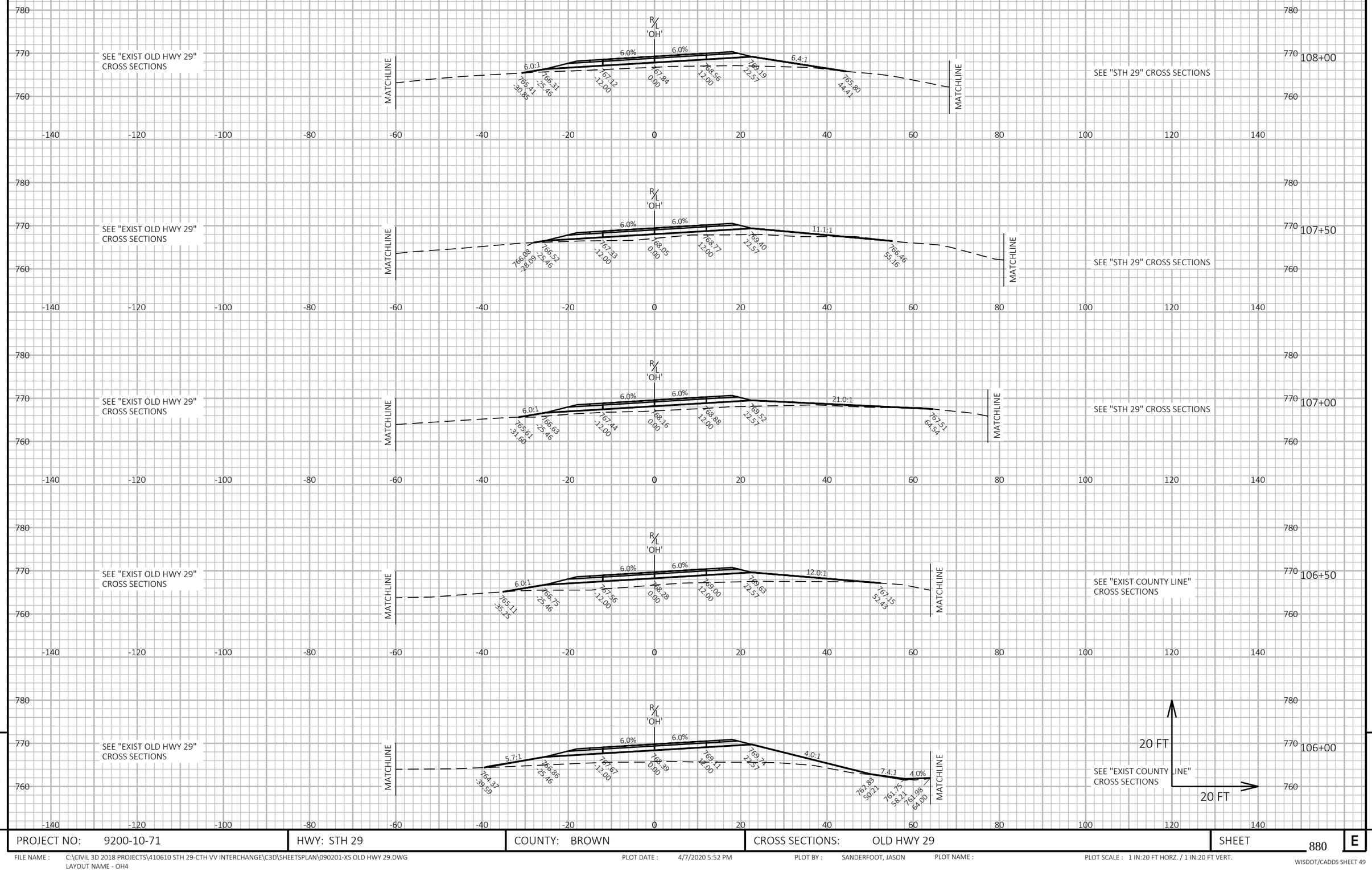


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: OLD HWY 29	SHEET 879 E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS OLD HWY 29.DWG
LAYOUT NAME - OH3

PLOT DATE : 4/7/2020 5:52 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



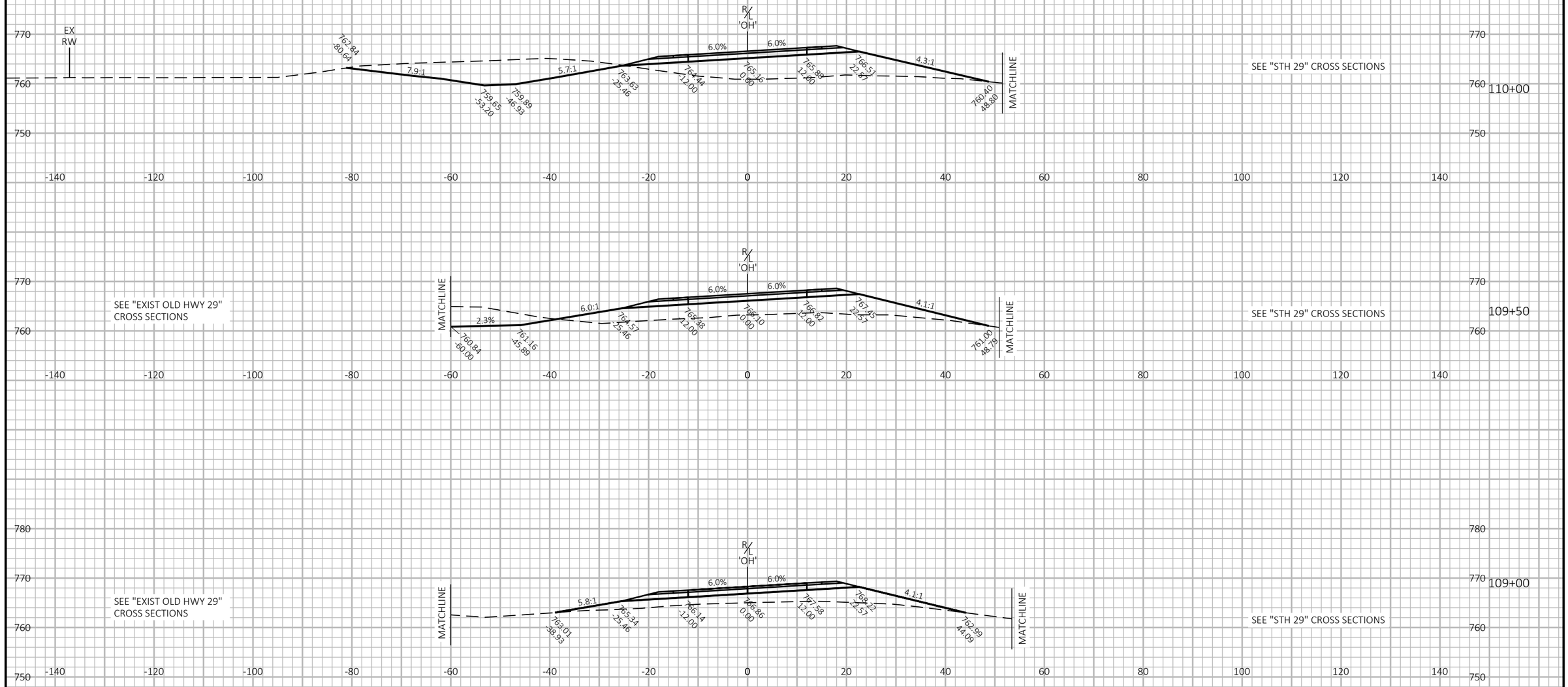
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: OLD HWY 29	SHEET 880	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS OLD HWY 29.DWG
LAYOUT NAME - OH4

PLOT DATE : 4/7/2020 5:52 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

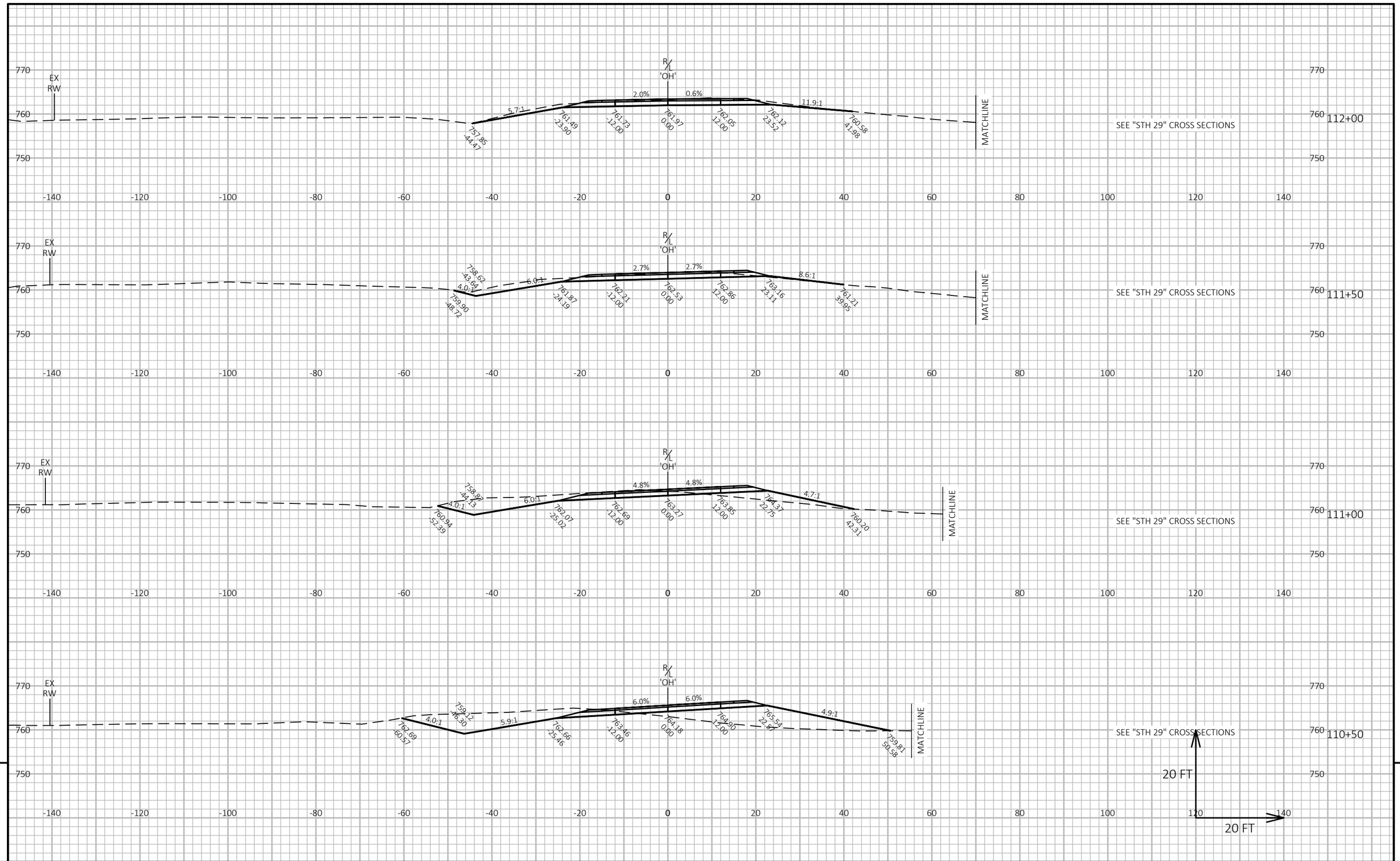
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: OLD HWY 29	SHEET 881	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS OLD HWY 29.DWG
LAYOUT NAME - OH5

PLOT DATE : 4/7/2020 5:52 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9



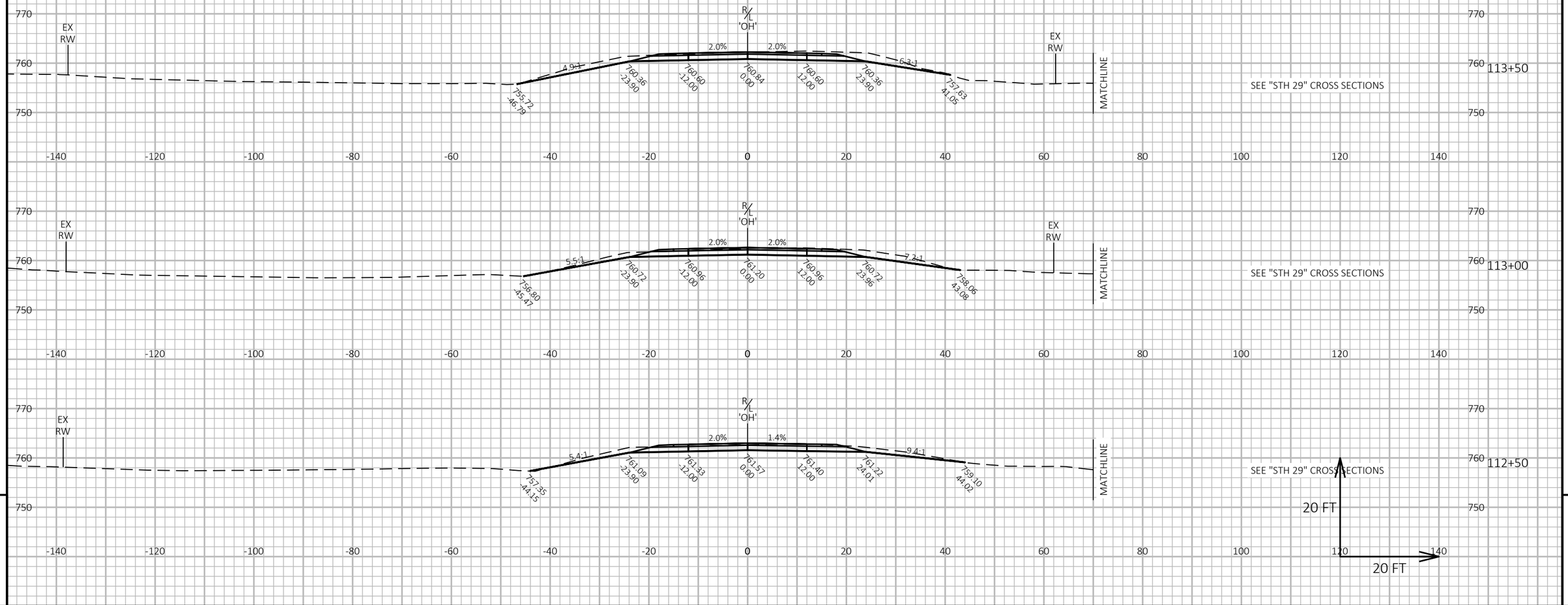
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: OLD HWY 29	SHEET 882	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS OLD HWY 29.DWG
LAYOUT NAME - OH6

PLOT DATE : 4/7/2020 5:52 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION

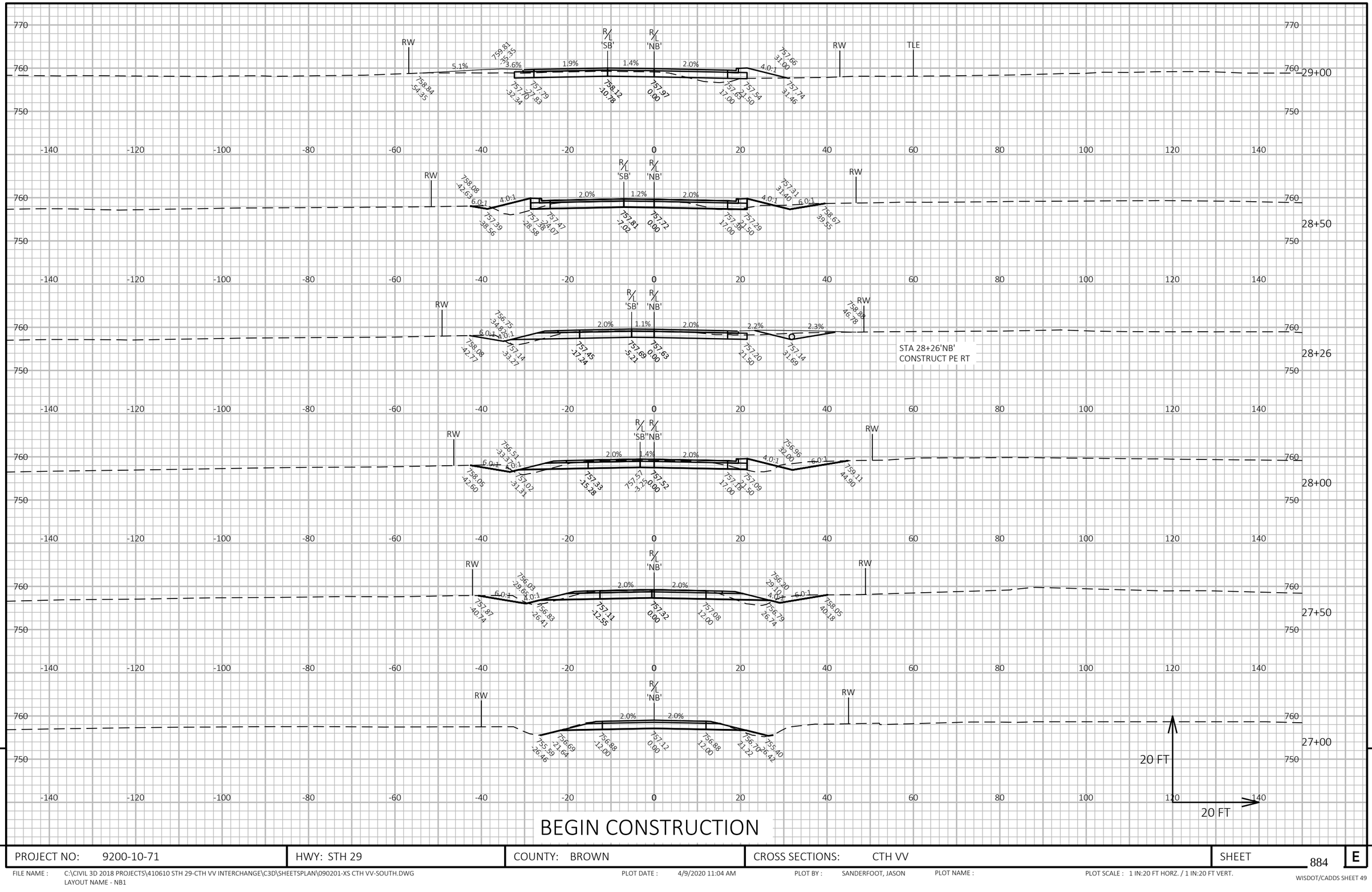


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: OLD HWY 29	SHEET 883	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS OLD HWY 29.DWG
LAYOUT NAME - OH7

PLOT DATE : 4/7/2020 5:52 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



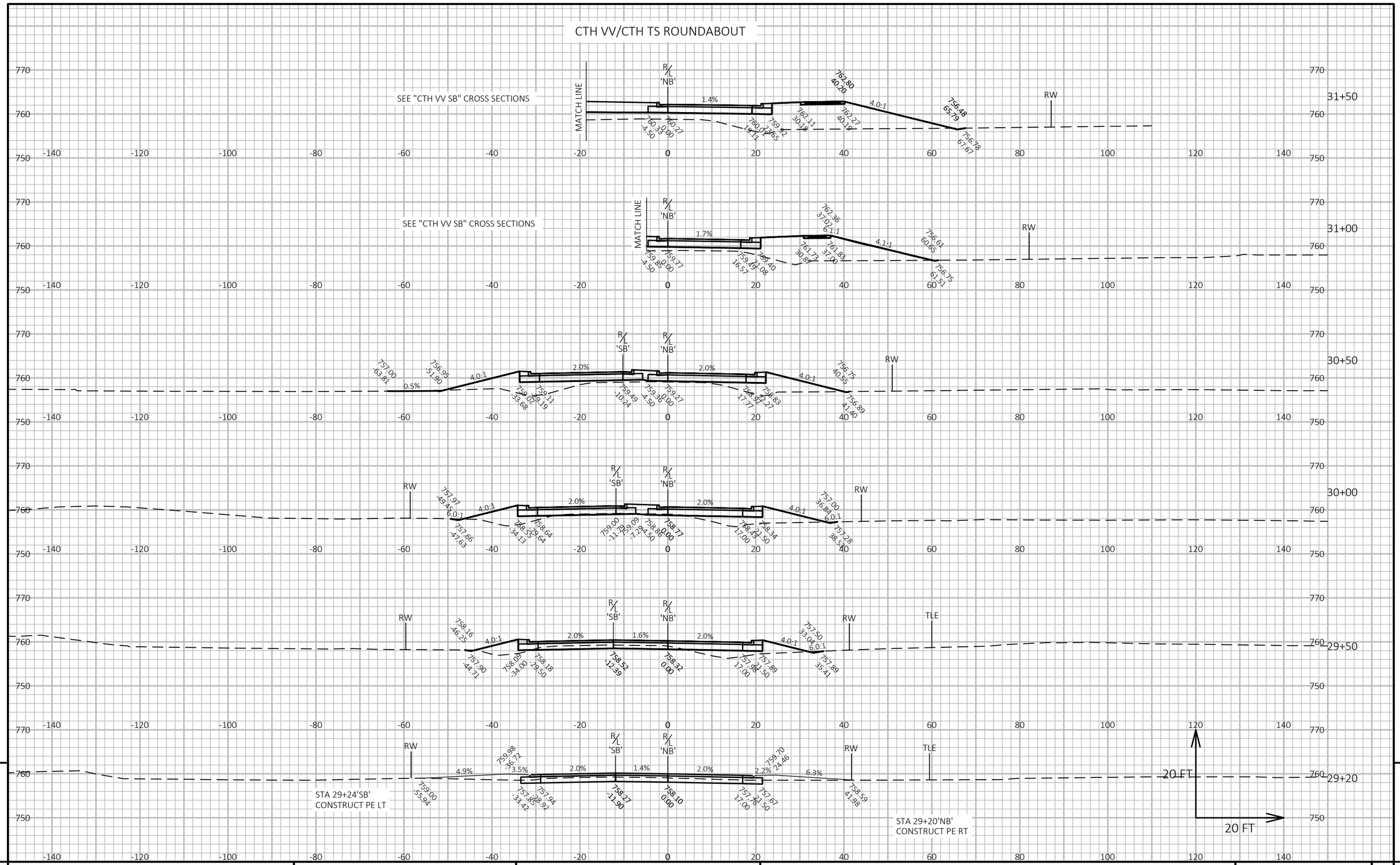
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH VV	SHEET 884	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS CTH VV-SOUTH.DWG
LAYOUT NAME - NB1

PLOT DATE : 4/9/2020 11:04 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

CTH VV/CTH TS ROUNDABOUT



9

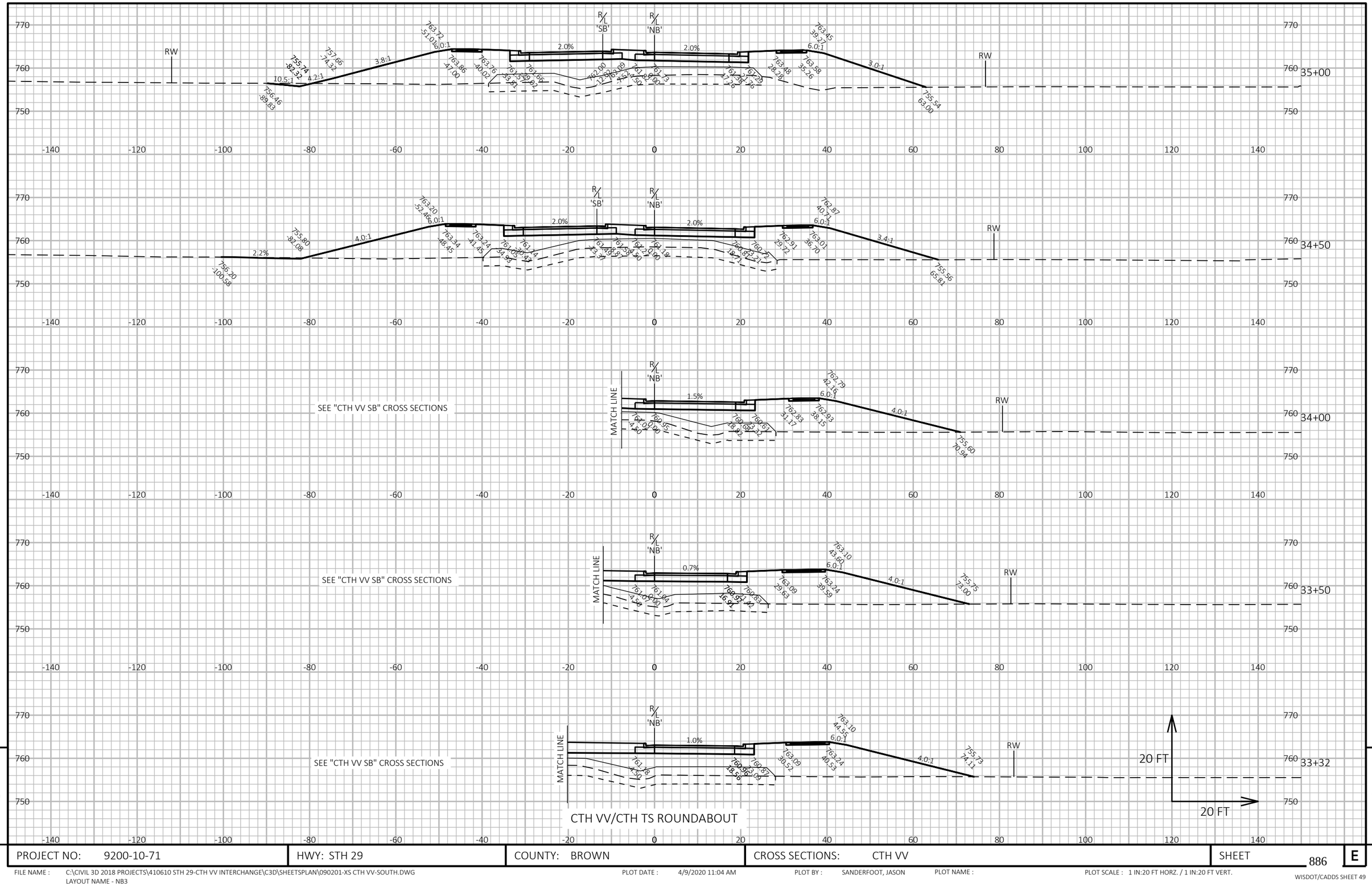
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH VV	SHEET 885	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS CTH VV-SOUTH.DWG
LAYOUT NAME - NB2

PLOT DATE : 4/9/2020 11:04 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

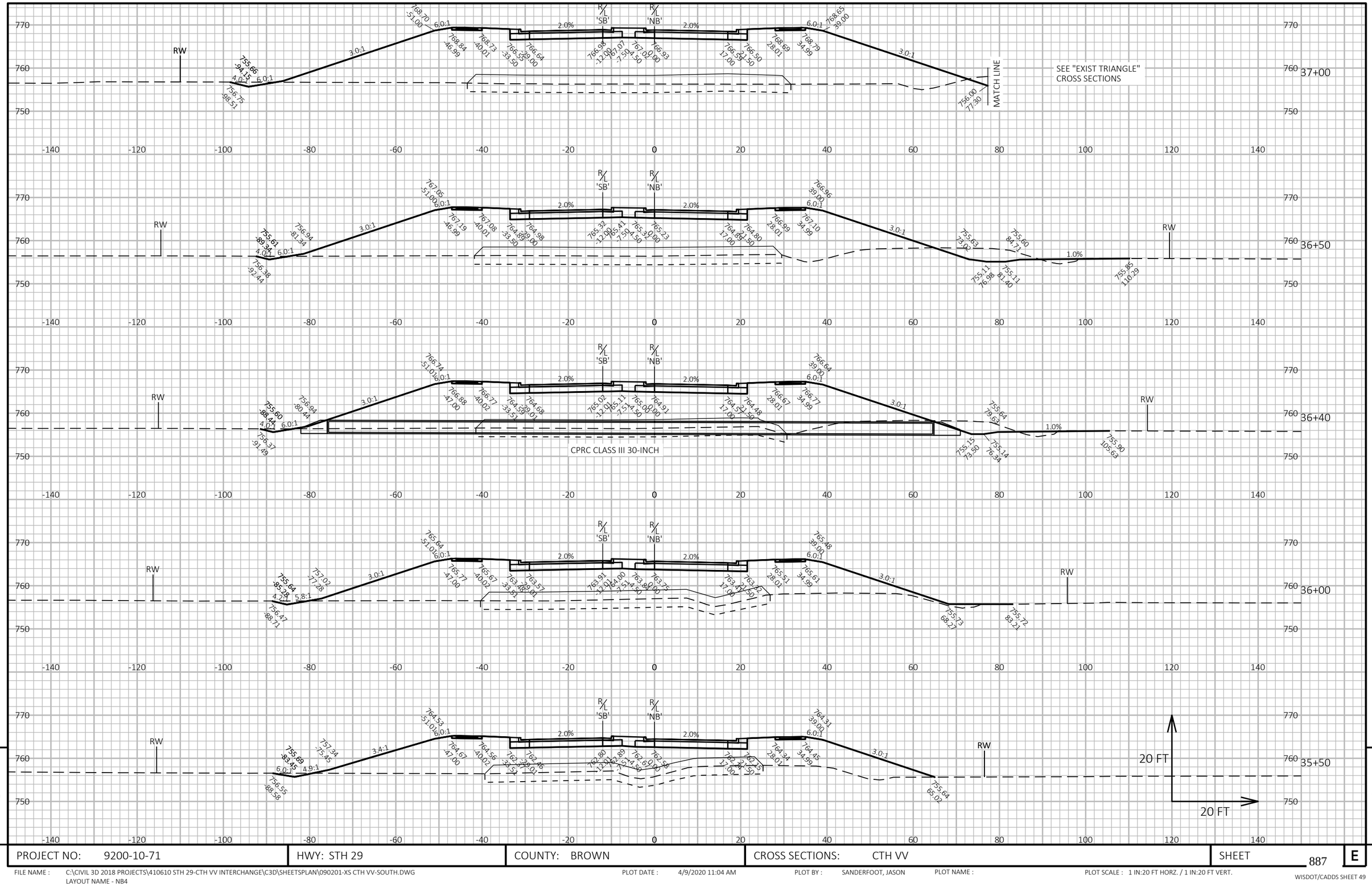
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH VV	SHEET 886	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS CTH VV-SOUTH.DWG
LAYOUT NAME - NB3

PLOT DATE : 4/9/2020 11:04 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

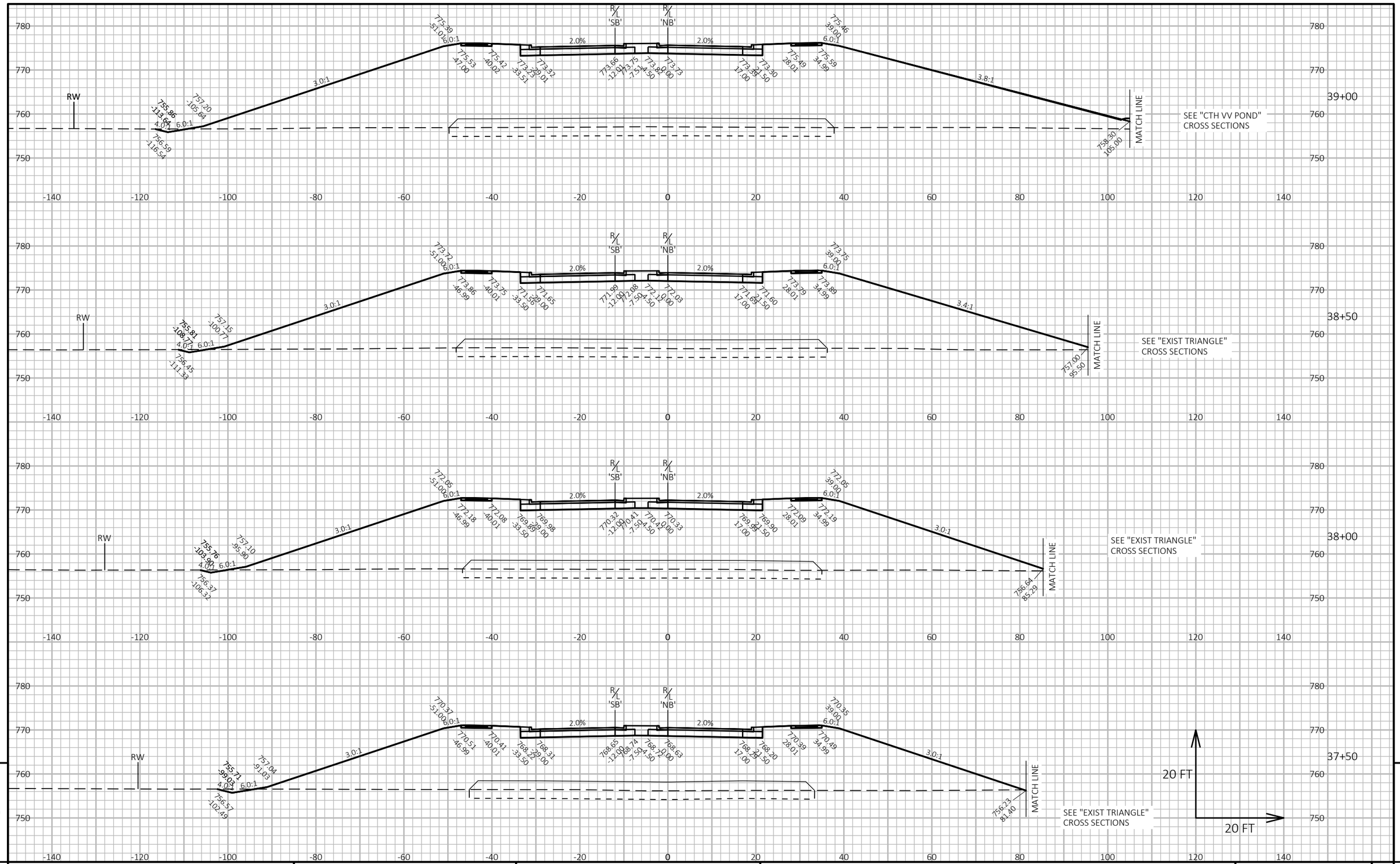


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH VV	SHEET 887 E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS CTH VV-SOUTH.DWG
LAYOUT NAME - NB4

PLOT DATE : 4/9/2020 11:04 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

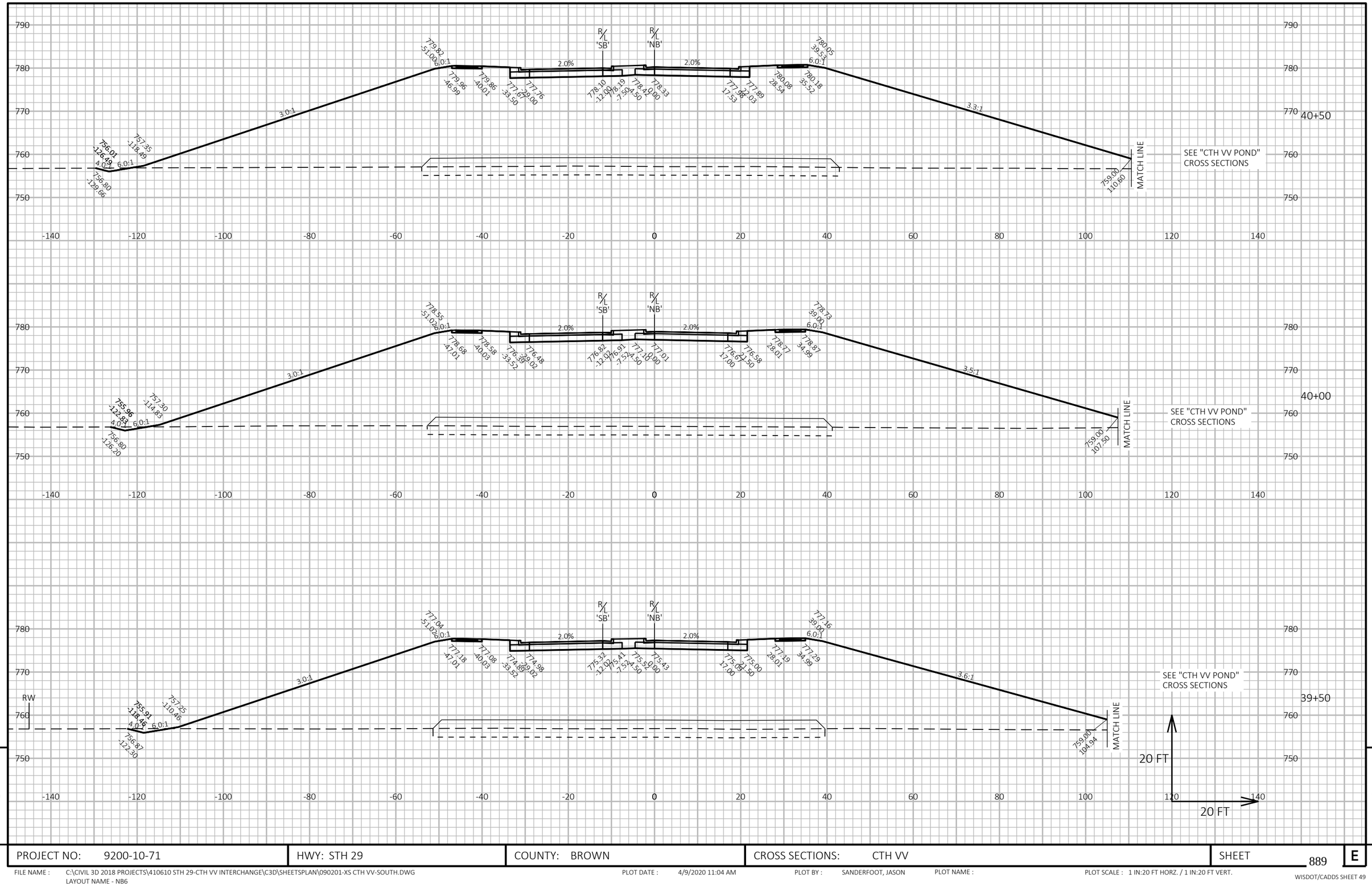
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH VV	SHEET 888	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS CTH VV-SOUTH.DWG
LAYOUT NAME - NB5

PLOT DATE : 4/9/2020 11:04 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



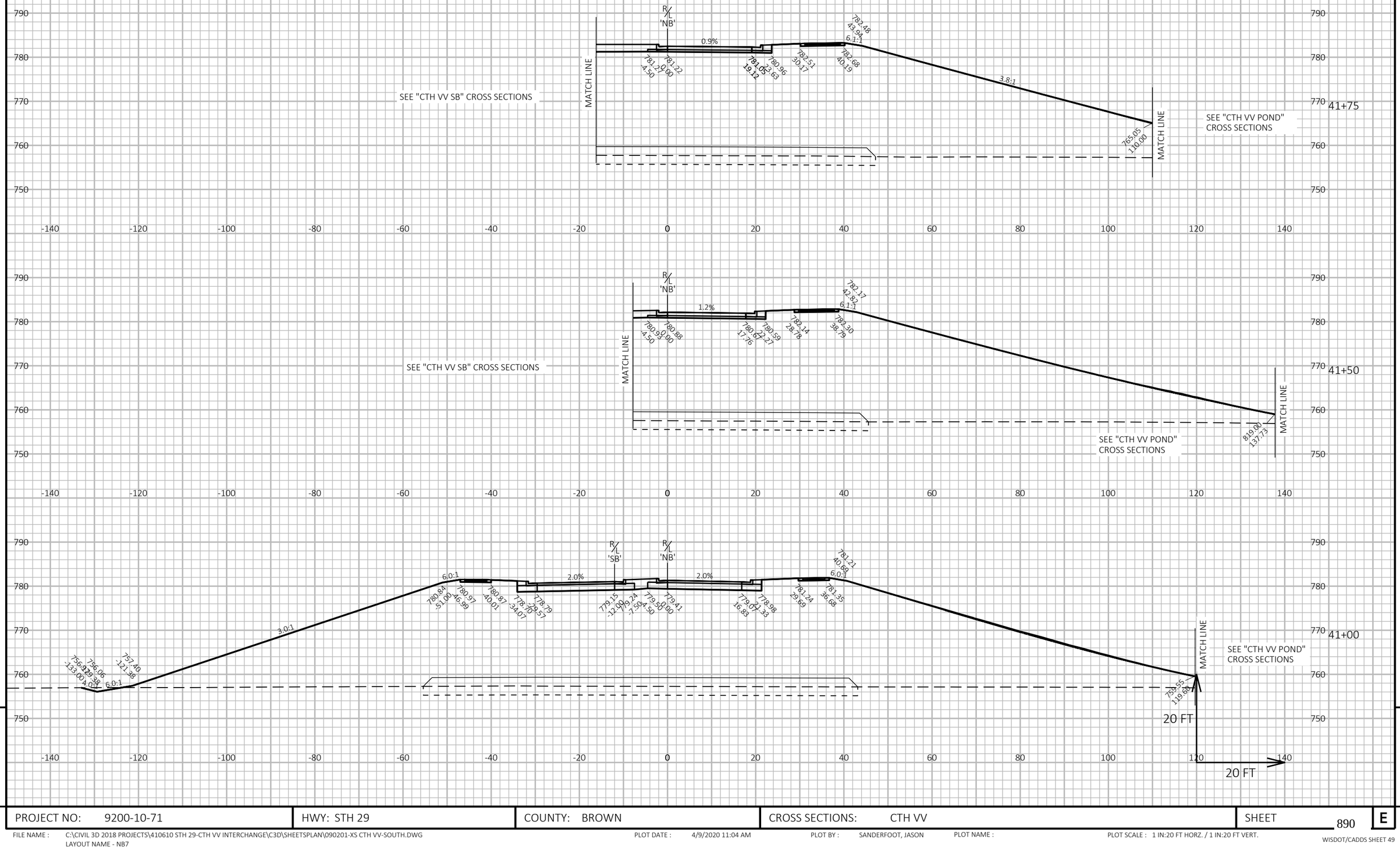
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH VV	SHEET 889	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS CTH VV-SOUTH.DWG
LAYOUT NAME - NB6

PLOT DATE : 4/9/2020 11:04 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

CTH VV/EB RAMP ROUNDABOUT



9 9

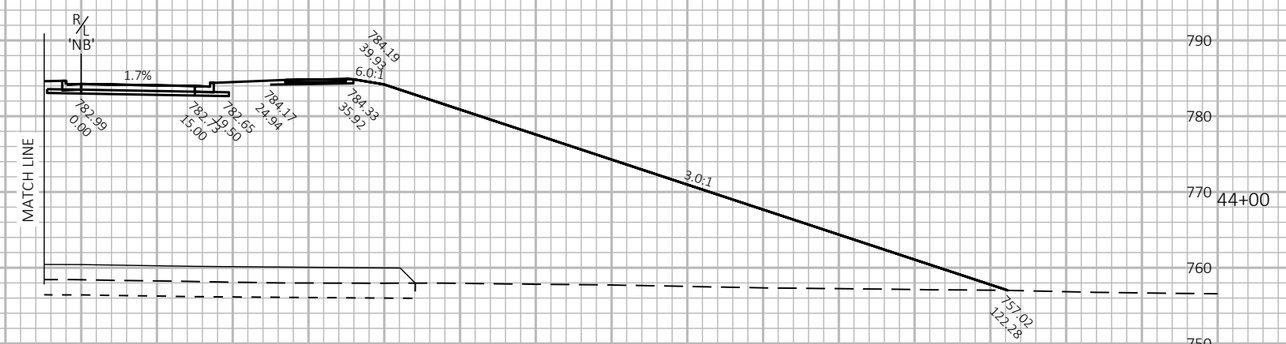
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH VV	SHEET 890	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS CTH VV-SOUTH.DWG
LAYOUT NAME - NB7

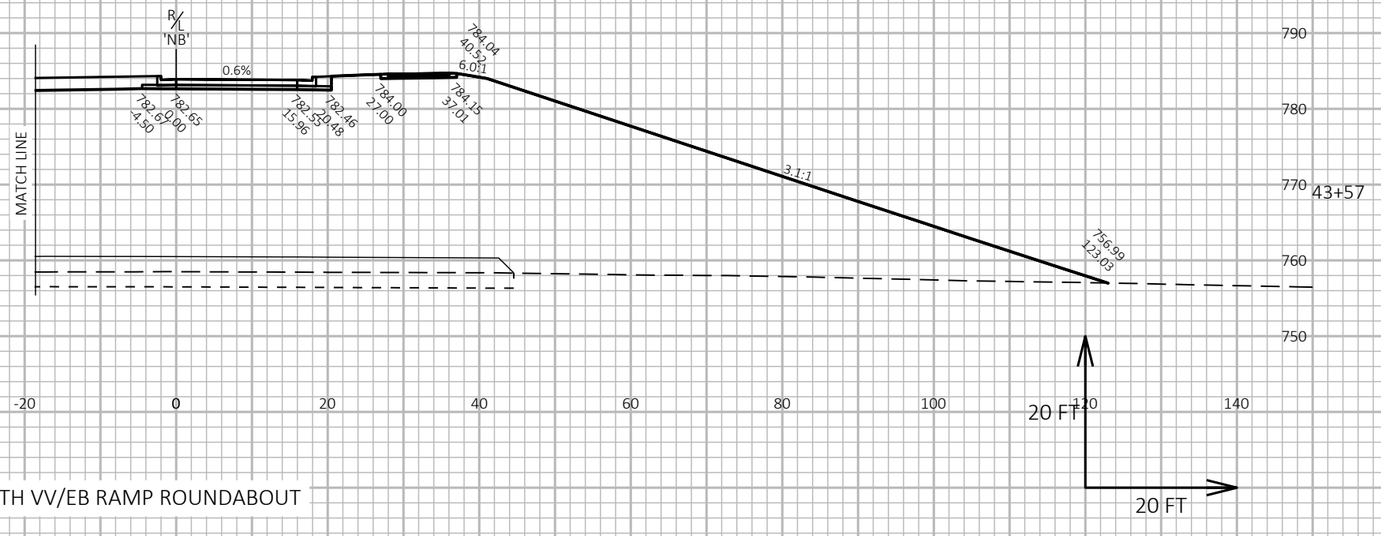
PLOT DATE : 4/9/2020 11:04 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

SEE "CTH VV SB" CROSS SECTIONS



SEE "CTH VV SB" CROSS SECTIONS



CTH VV/EB RAMP ROUNDABOUT

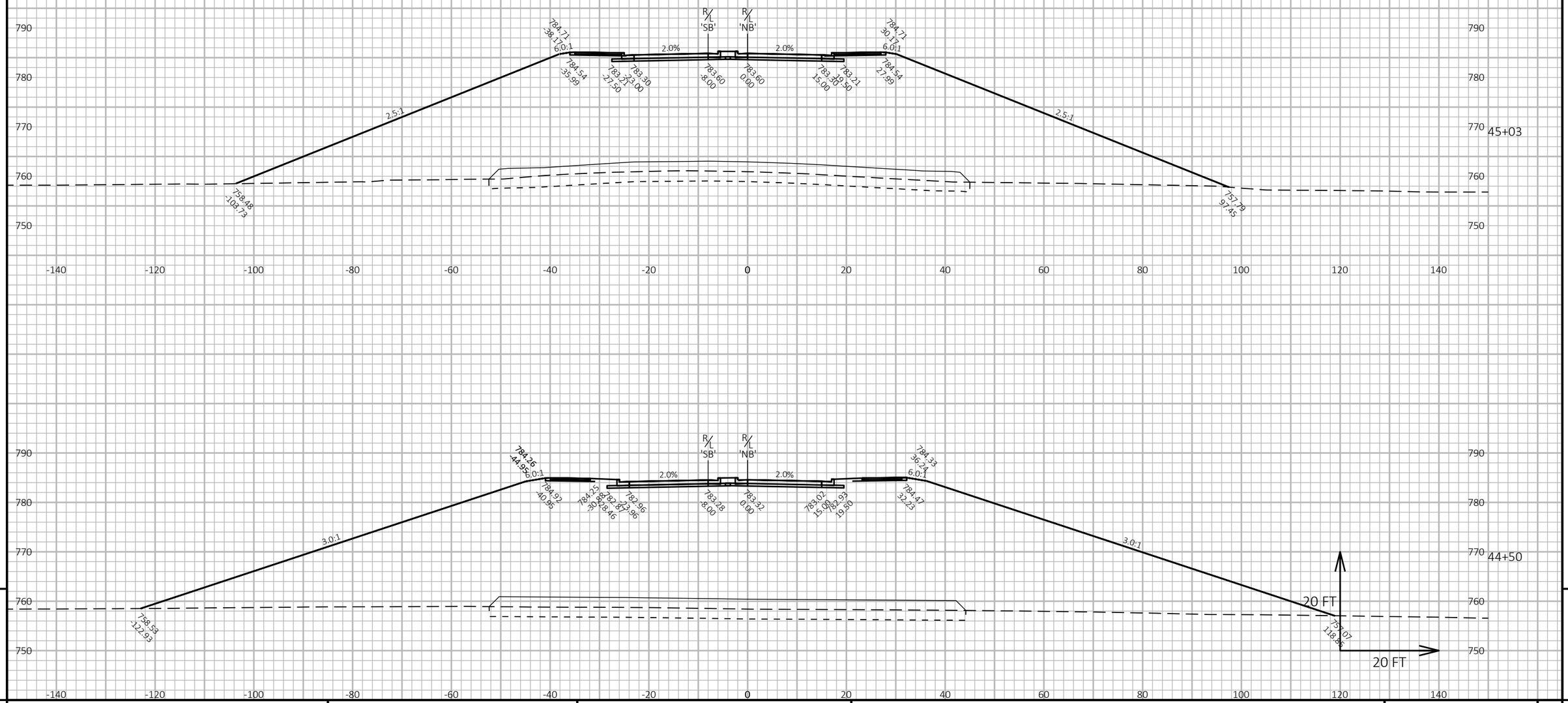
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH VV	SHEET 891	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS CTH VV-SOUTH.DWG
LAYOUT NAME - NB8

PLOT DATE : 4/9/2020 11:04 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

STRUCTURE B-50-0416
(SEE STRUCTURE PLANS)



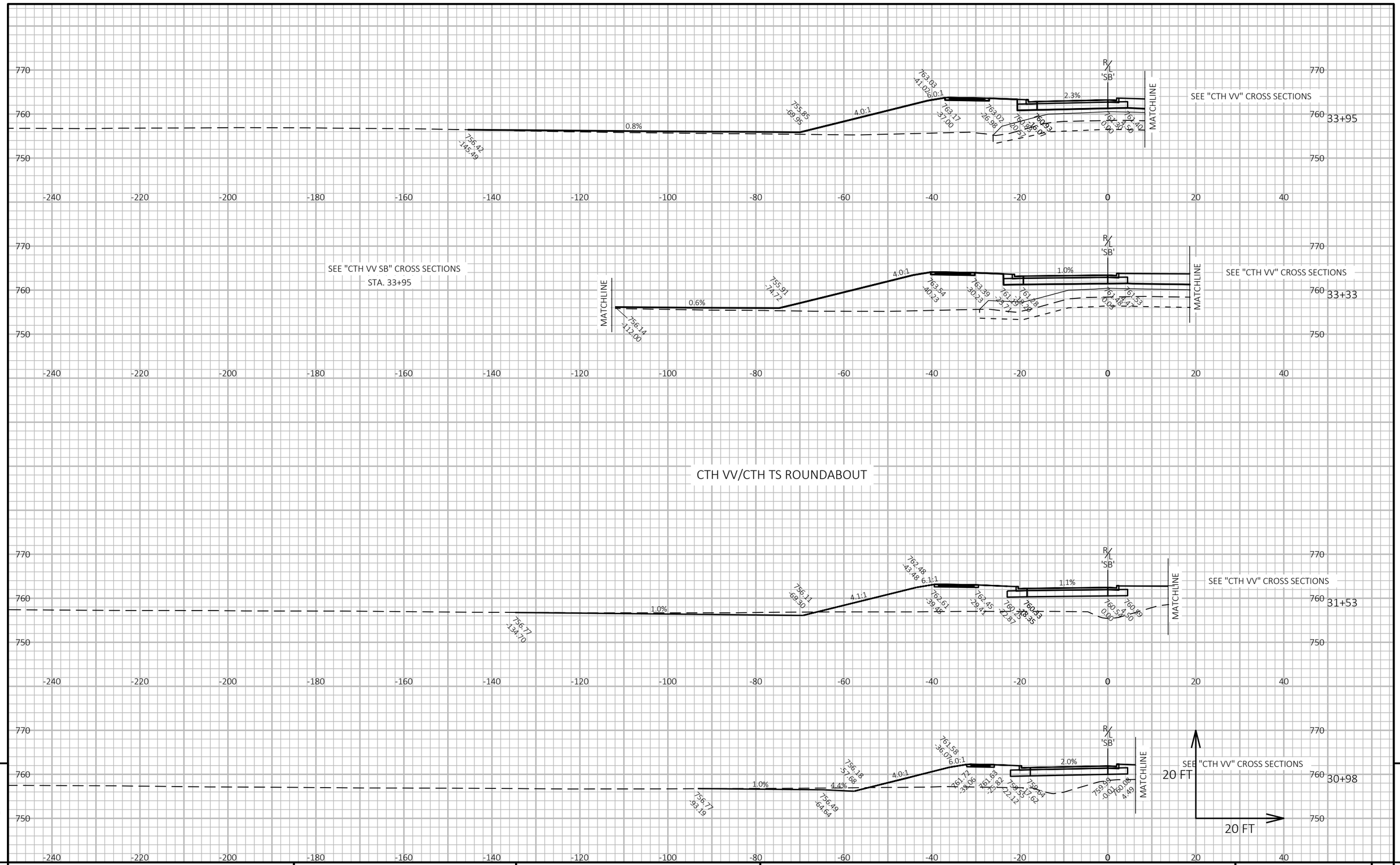
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH VV	SHEET 892	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS CTH VV-SOUTH.DWG
LAYOUT NAME - NB9

PLOT DATE : 4/9/2020 11:04 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

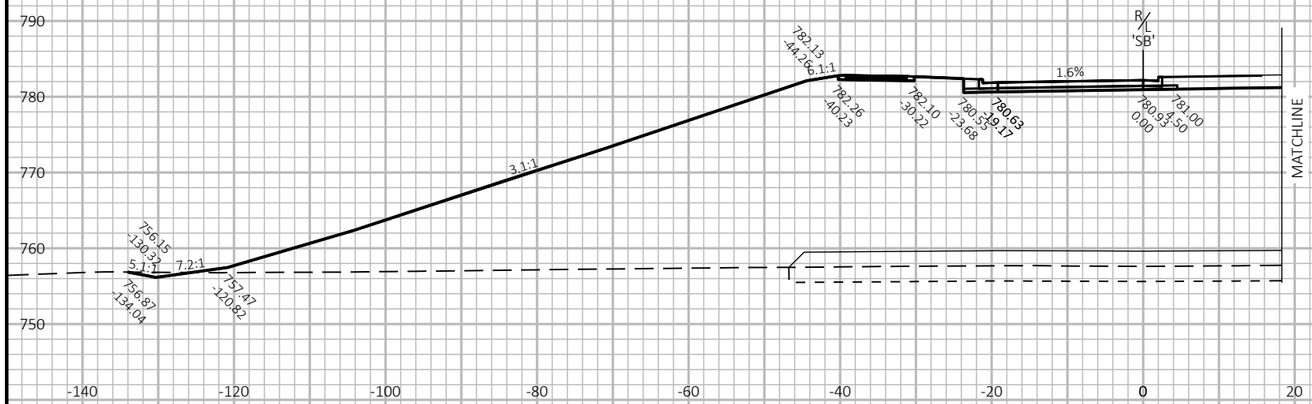
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH VV SOUTHBOUND	SHEET 893	E

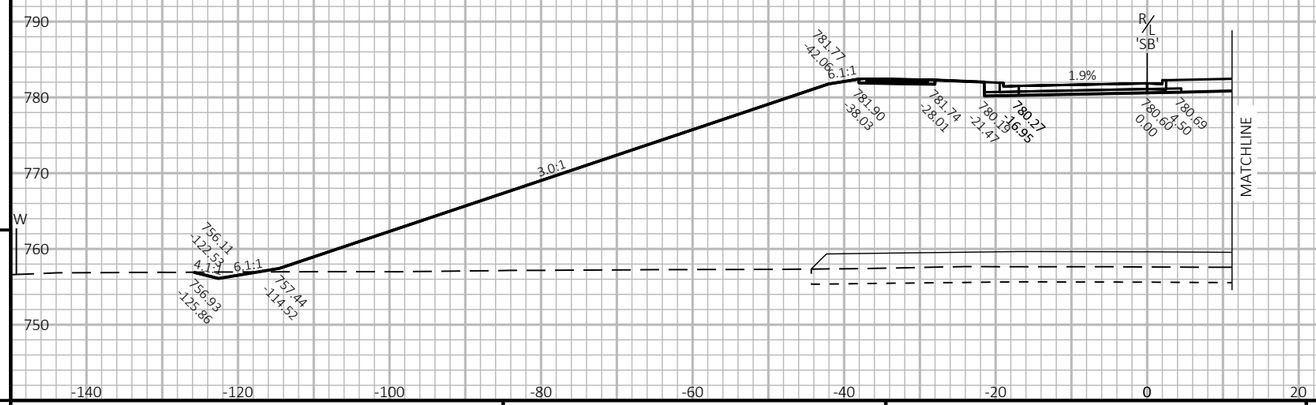
FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS CTH VV-SOUTH.DWG
LAYOUT NAME - SB1

PLOT DATE : 4/9/2020 11:06 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

CTH VV/EB RAMP ROUNDABOUT





9

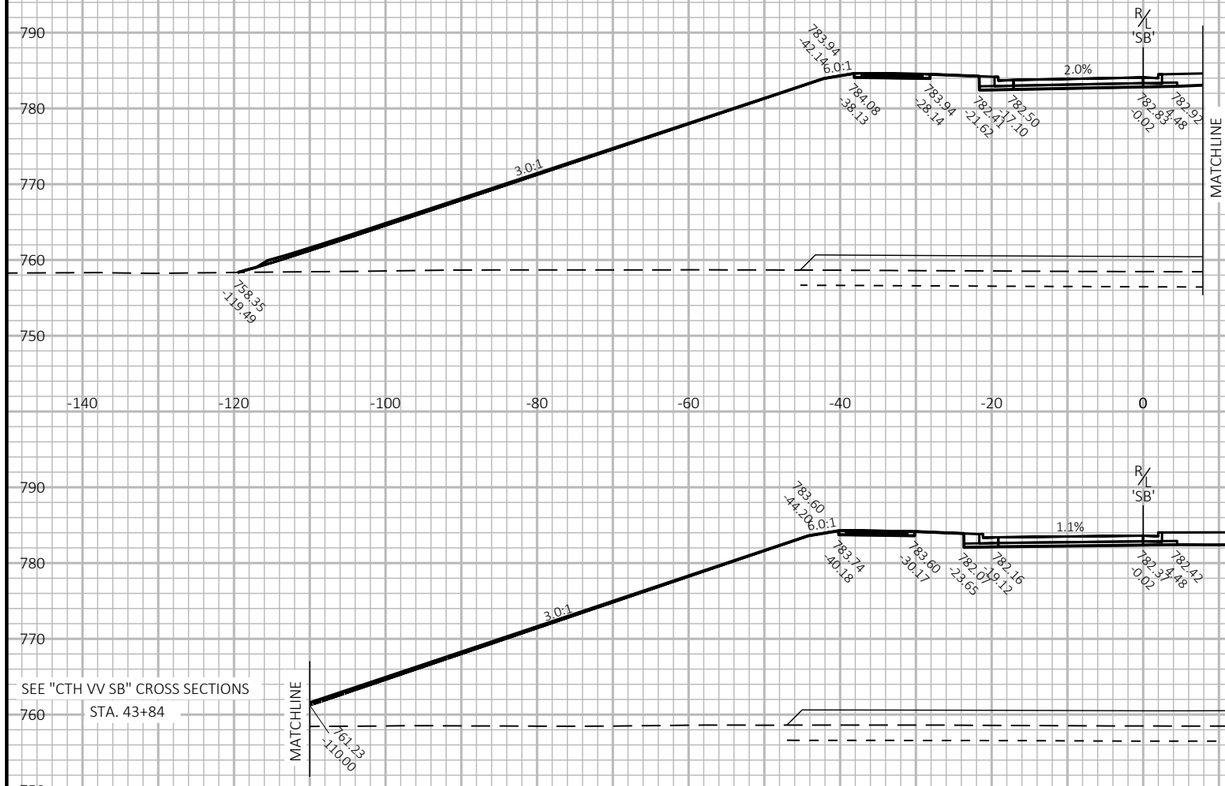
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH VV SOUTHBOUND	SHEET 894	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS CTH VV-SOUTH.DWG
LAYOUT NAME - SB2

PLOT DATE : 4/9/2020 11:06 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



SEE "CTH VV" CROSS SECTIONS

43+84

SEE "CTH VV SB" CROSS SECTIONS
STA. 43+84

SEE "CTH VV" CROSS SECTIONS

43+44

CTH VV/EB RAMP ROUNDABOUT

20 FT
20 FT

9

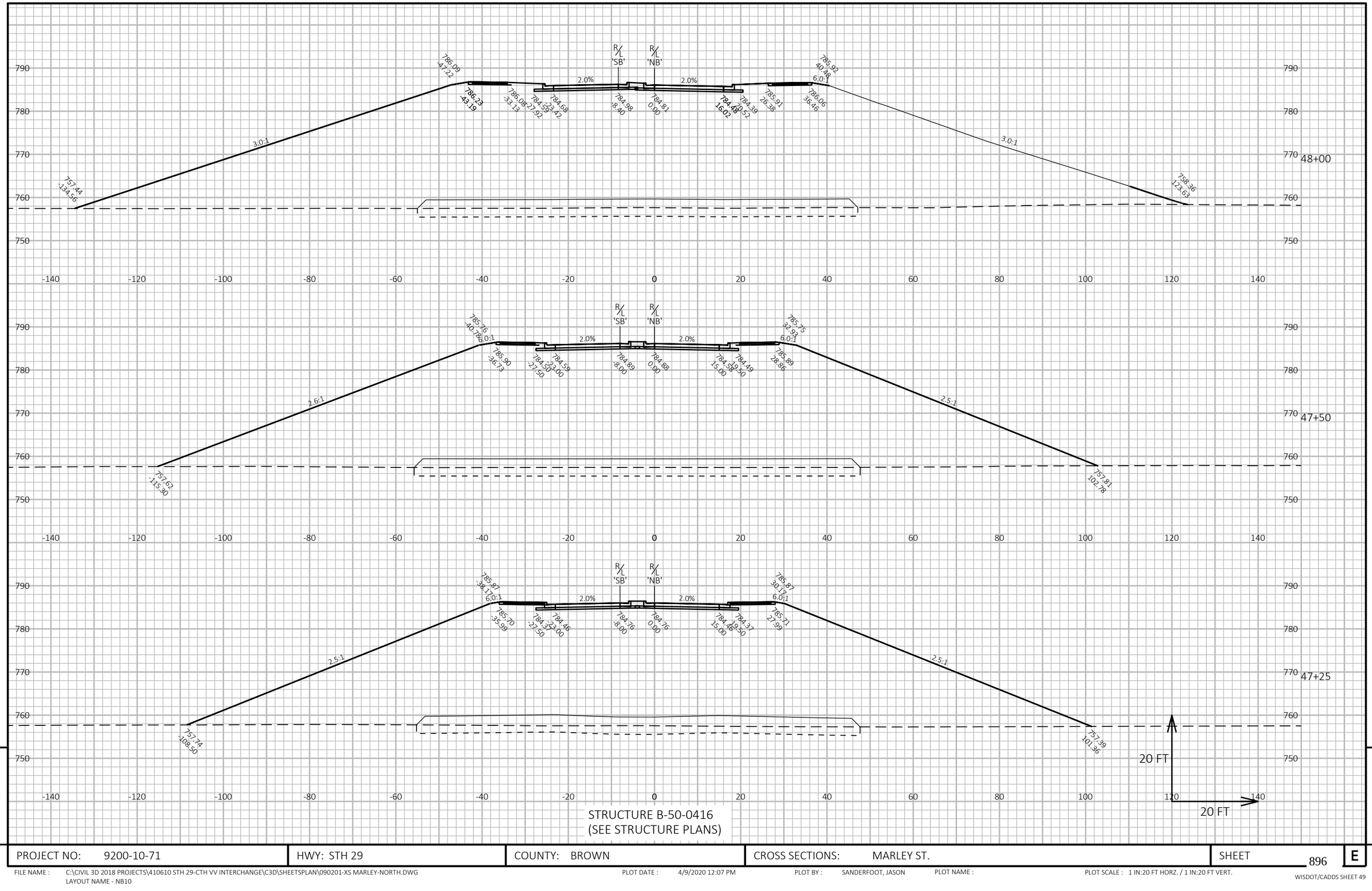
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH VV SOUTHBOUND	SHEET 895	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS CTH VV-SOUTH.DWG
LAYOUT NAME - SB3

PLOT DATE : 4/9/2020 11:07 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



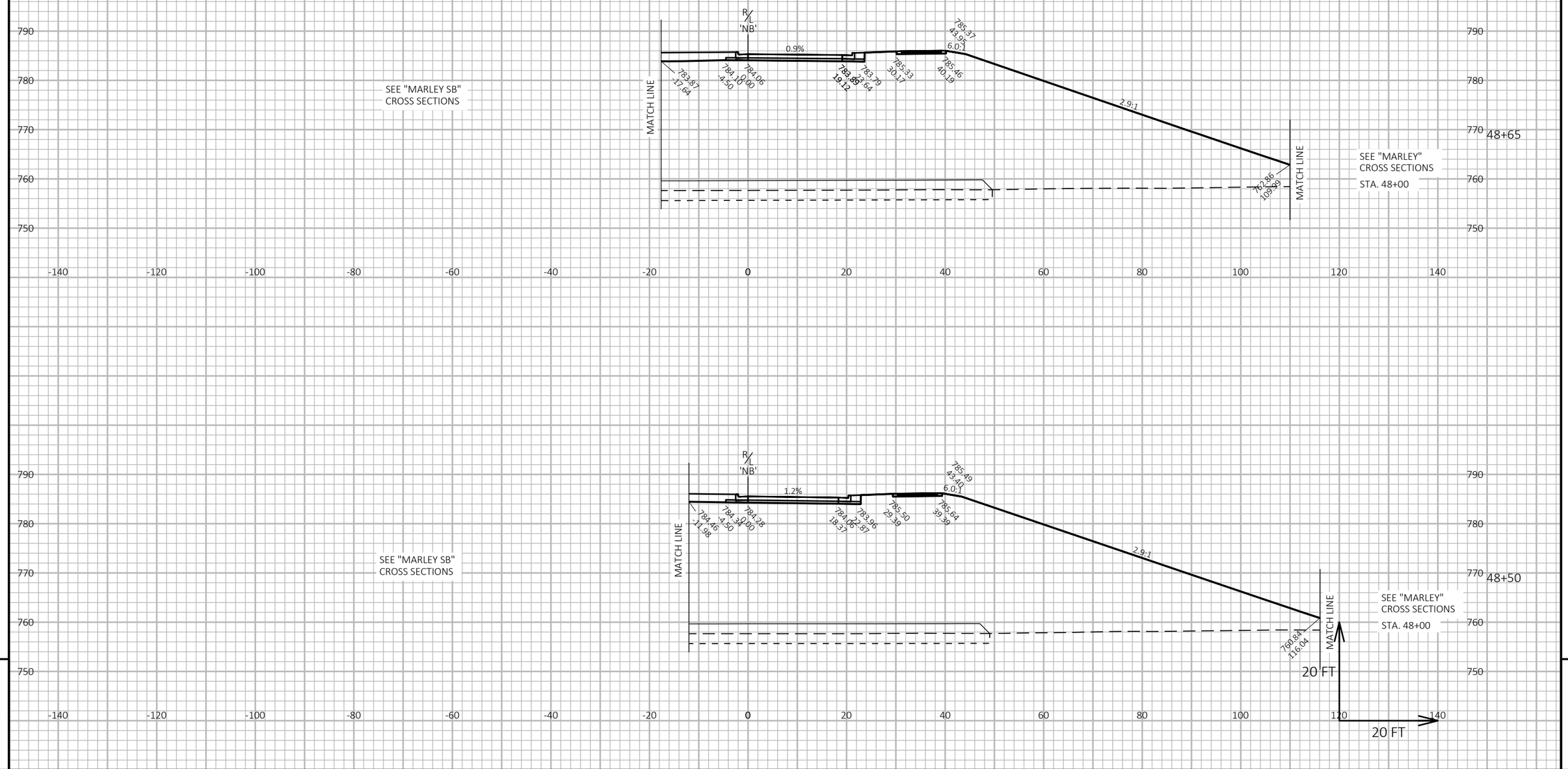
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: MARLEY ST.	SHEET 896	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS MARLEY-NORTH.DWG
LAYOUT NAME - NB10

PLOT DATE : 4/9/2020 12:07 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

MARLEY/WB RAMP ROUNDABOUT

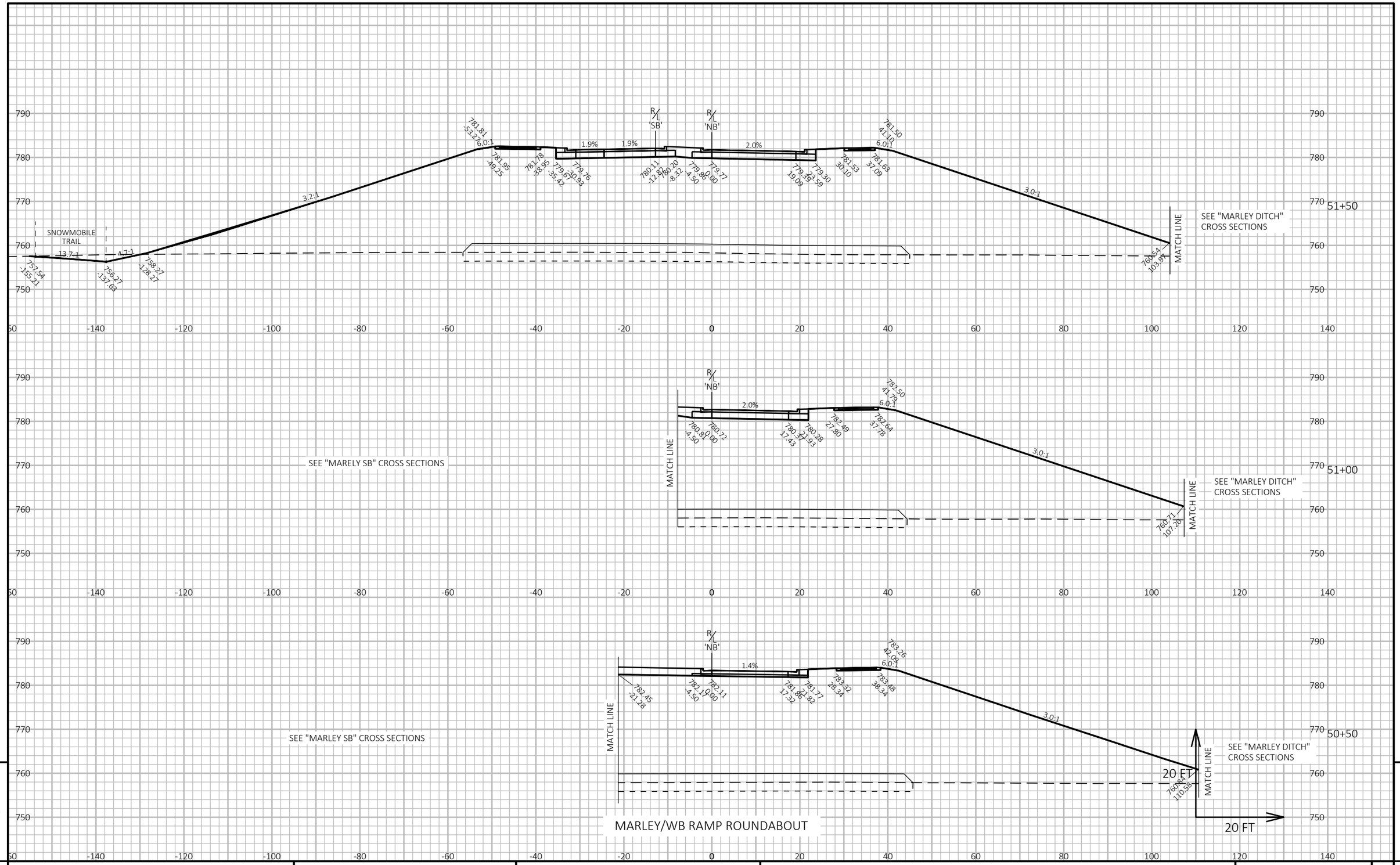


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: MARLEY ST.	SHEET 897	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS MARLEY-NORTH.DWG
LAYOUT NAME - NB11

PLOT DATE : 4/9/2020 12:07 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

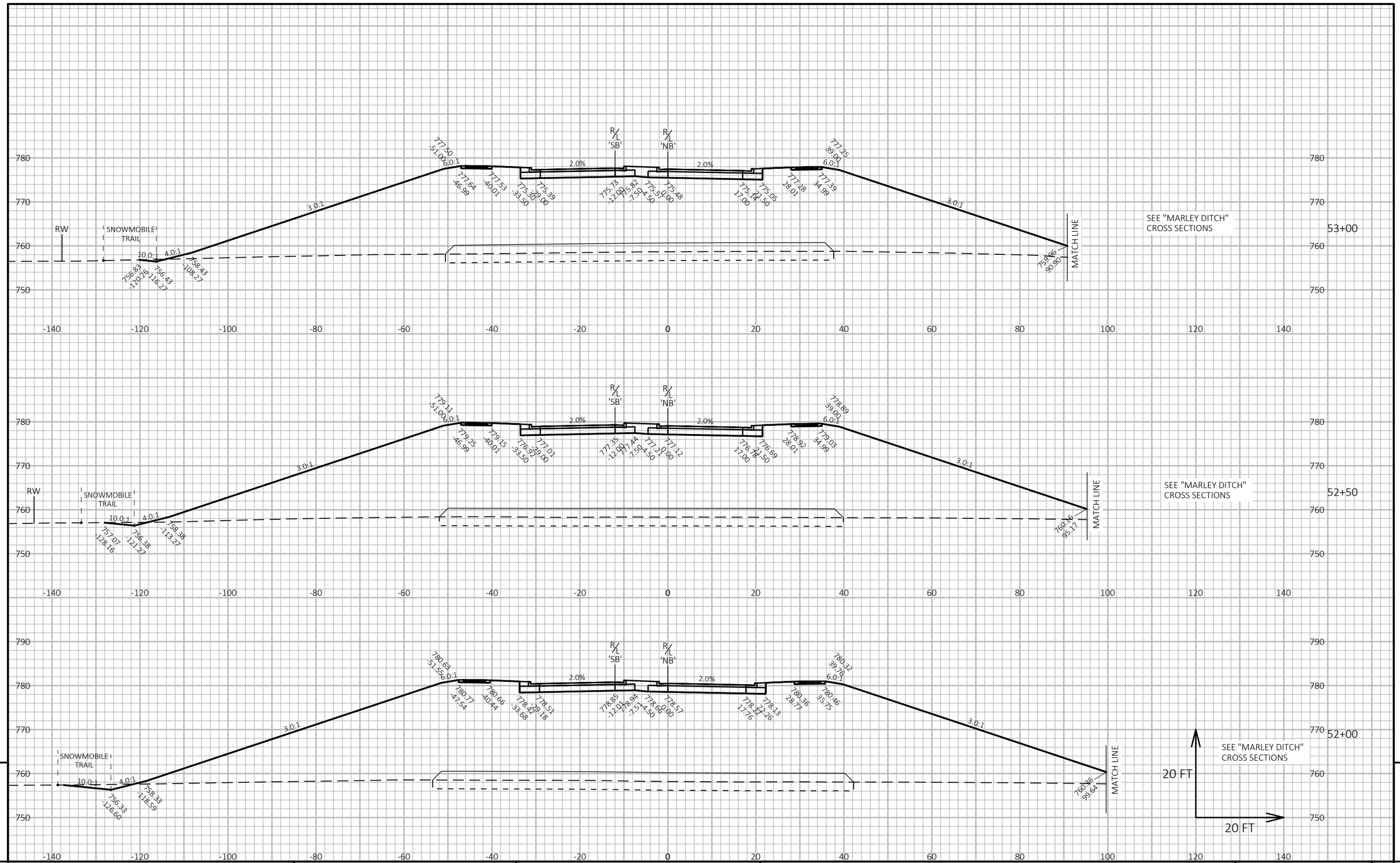
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: MARLEY ST.	SHEET 898	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS MARLEY-NORTH.DWG
LAYOUT NAME - NB12

PLOT DATE : 4/9/2020 12:07 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

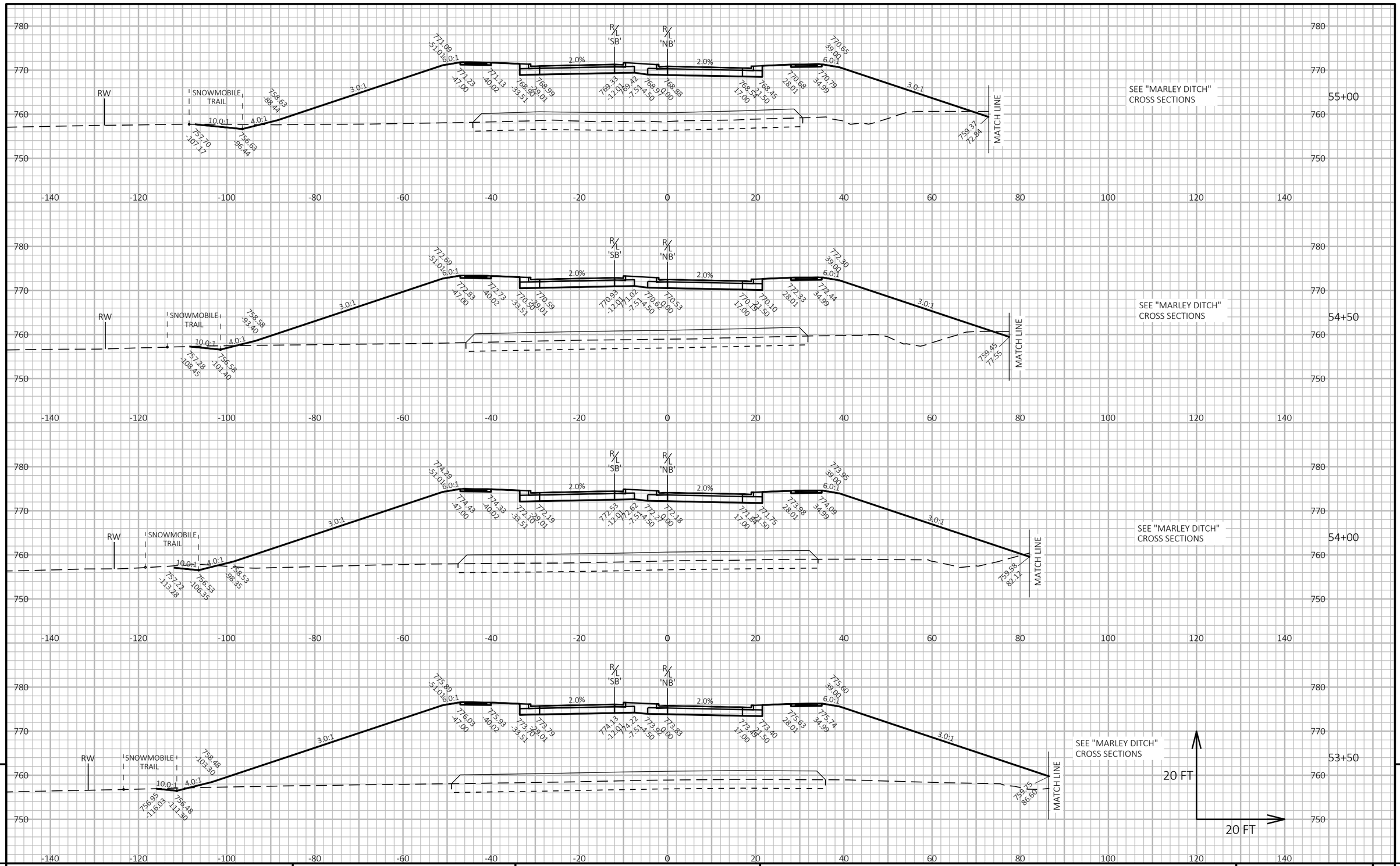


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: MARLEY ST.	SHEET 899 E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS MARLEY-NORTH.DWG
LAYOUT NAME - NB13

PLOT DATE : 4/9/2020 12:07 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

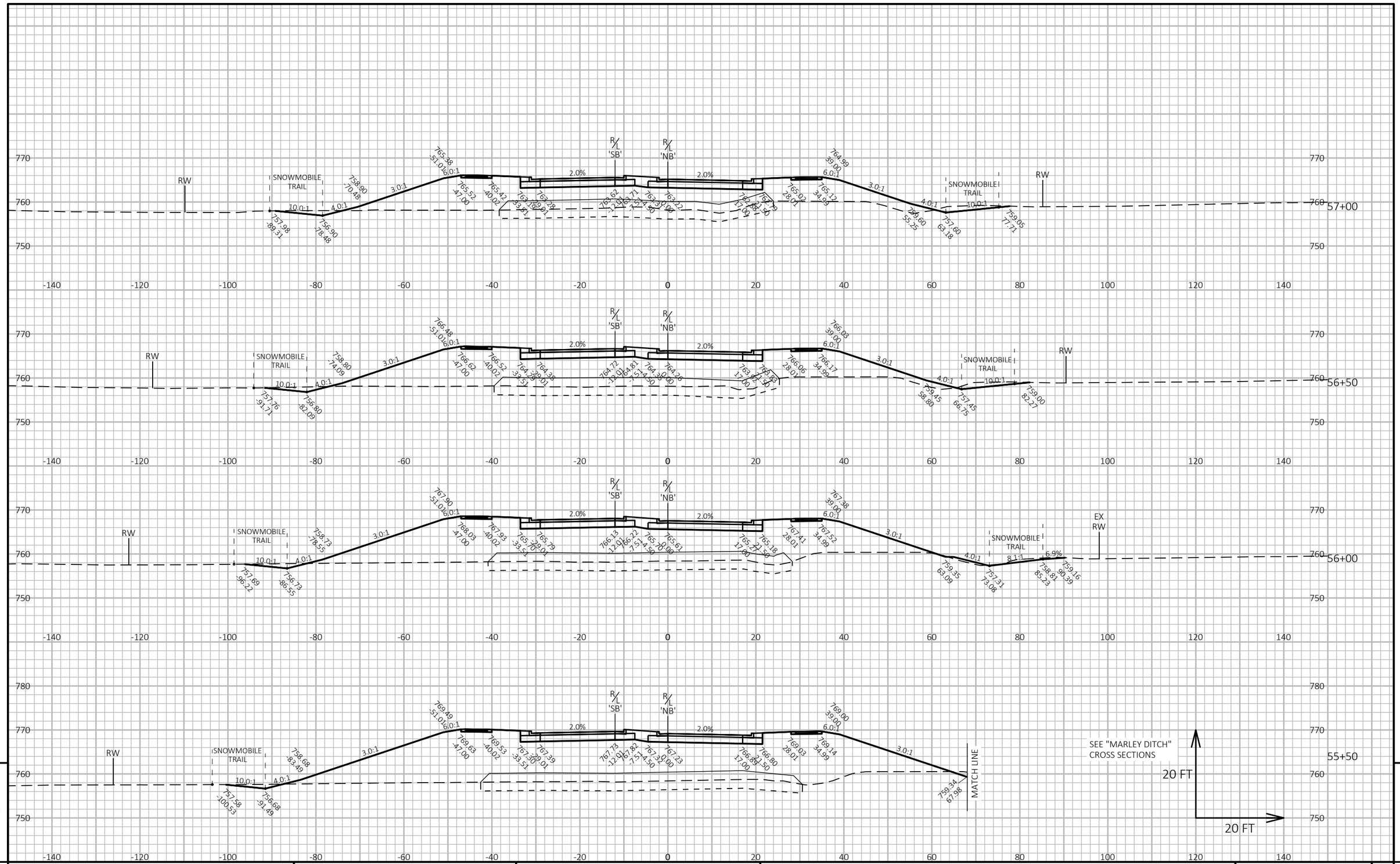


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: MARLEY ST.	SHEET 900	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS MARLEY-NORTH.DWG
LAYOUT NAME - NB14

PLOT DATE : 4/9/2020 12:07 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



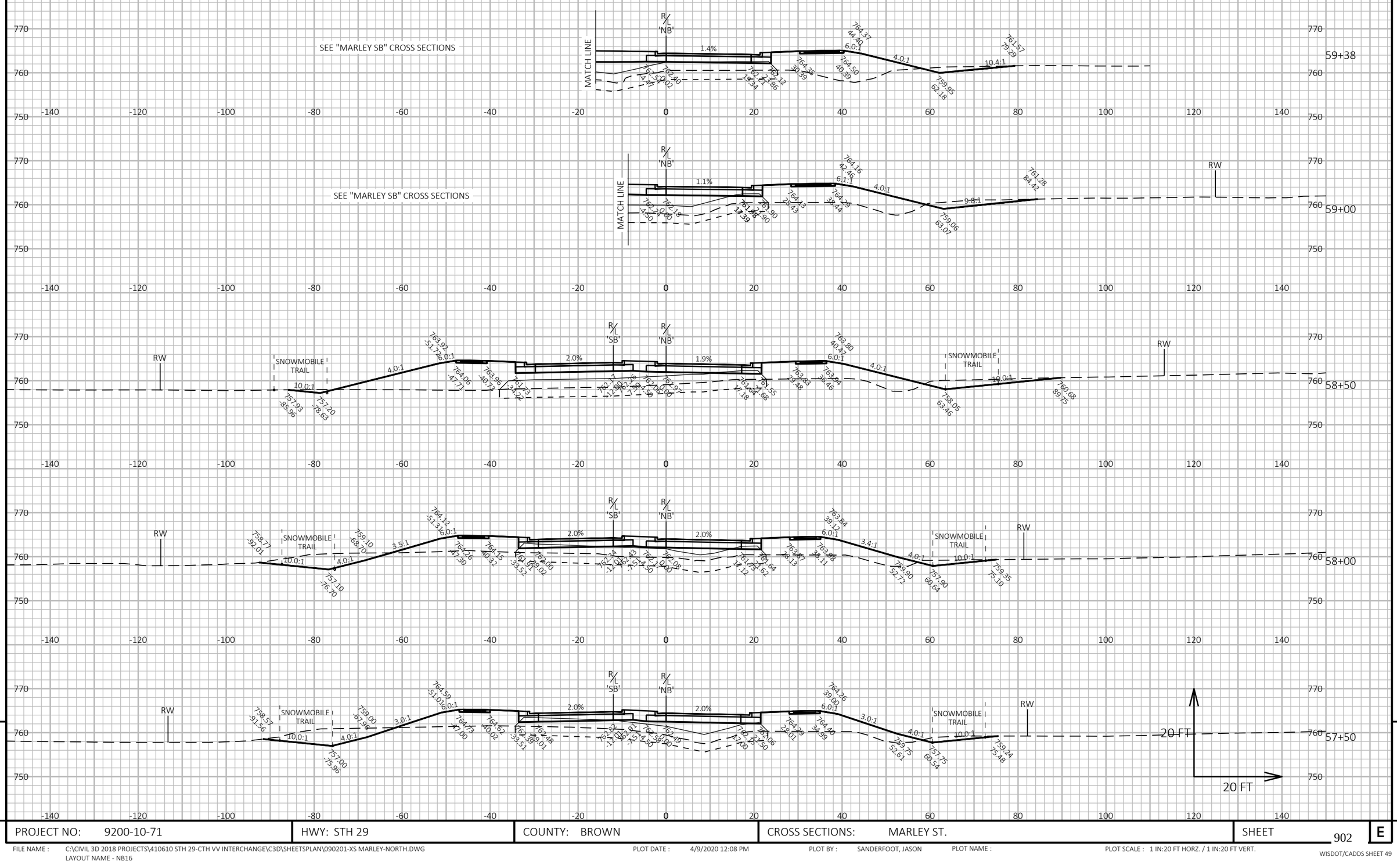
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: MARLEY ST.	SHEET 901	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS MARLEY-NORTH.DWG
LAYOUT NAME - NB15

PLOT DATE : 4/9/2020 12:08 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

MARLEY/EVERGREEN ROUNDABOUT

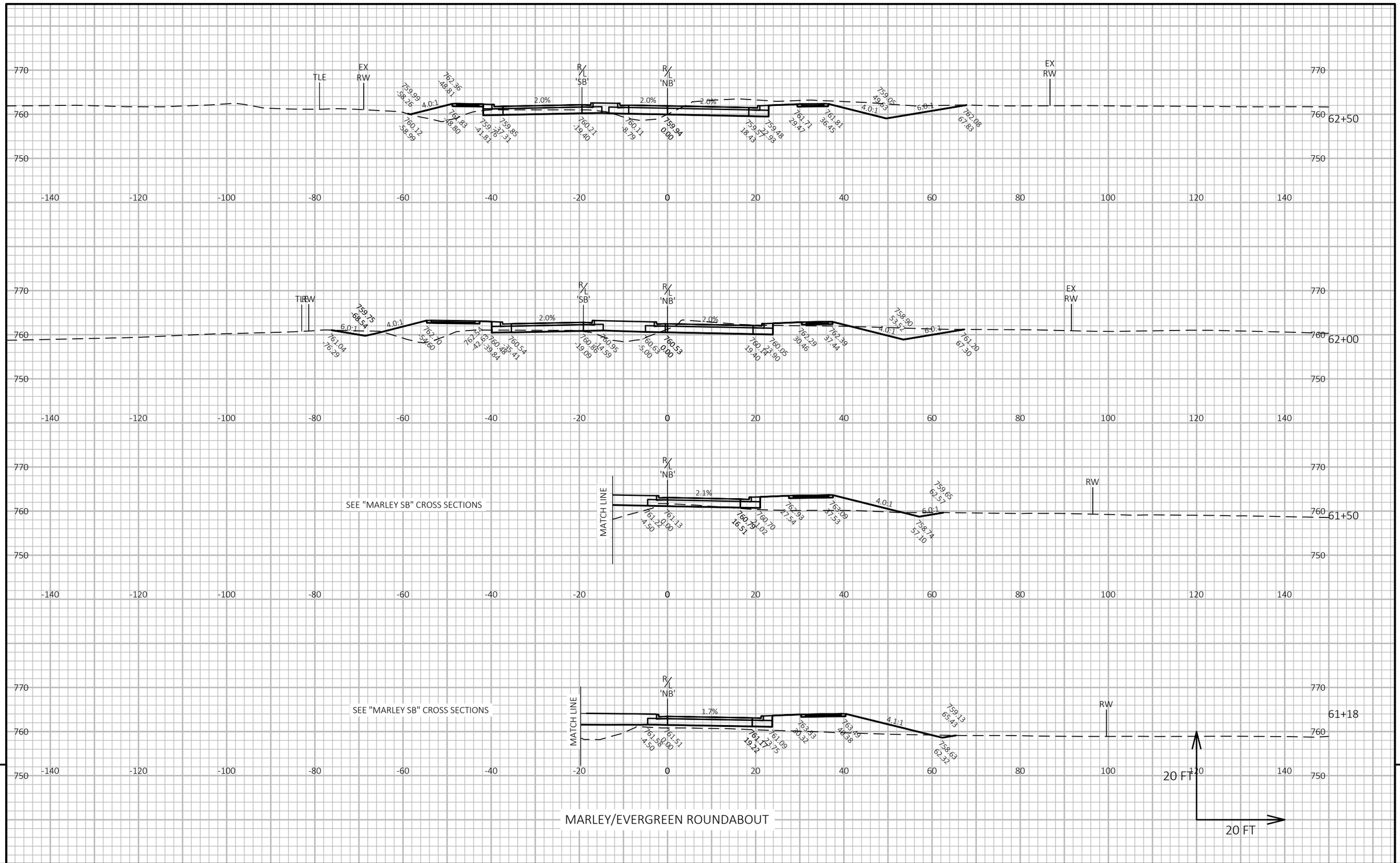


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: MARLEY ST.	SHEET 902	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS MARLEY-NORTH.DWG
LAYOUT NAME - NB16

PLOT DATE : 4/9/2020 12:08 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



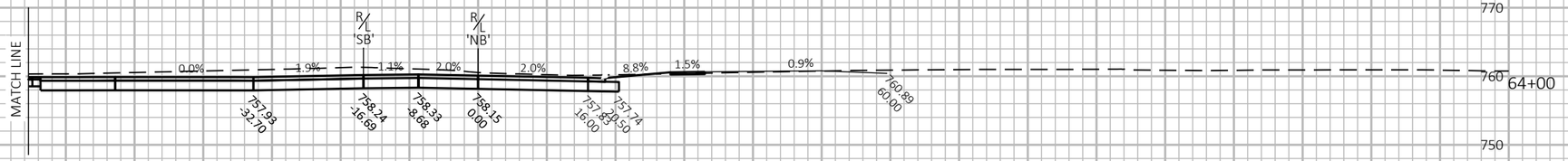
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: MARLEY ST.	SHEET 903	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS MARLEY-NORTH.DWG
LAYOUT NAME - NB17

PLOT DATE : 4/9/2020 12:08 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

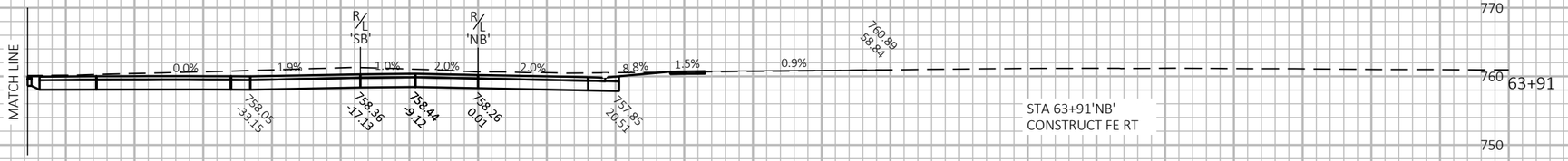
WISDOT/CADDS SHEET 49

SEE "MILLWOOD" CROSS SECTIONS



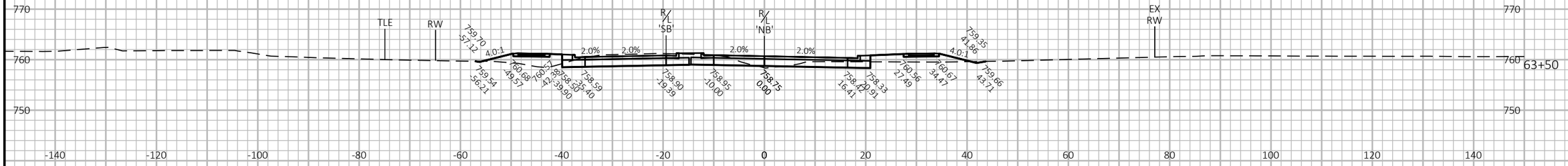
64+00

SEE "MILLWOOD" CROSS SECTIONS

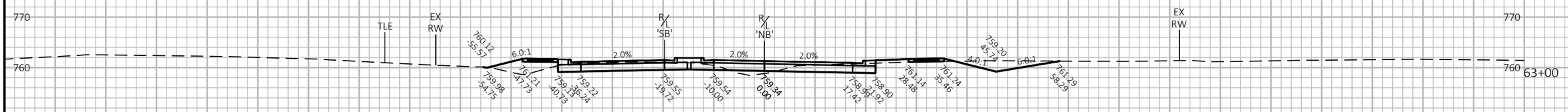


63+91

STA 63+91'NB'
CONSTRUCT FE RT



63+50



63+00

20 FT
20 FT

9

9

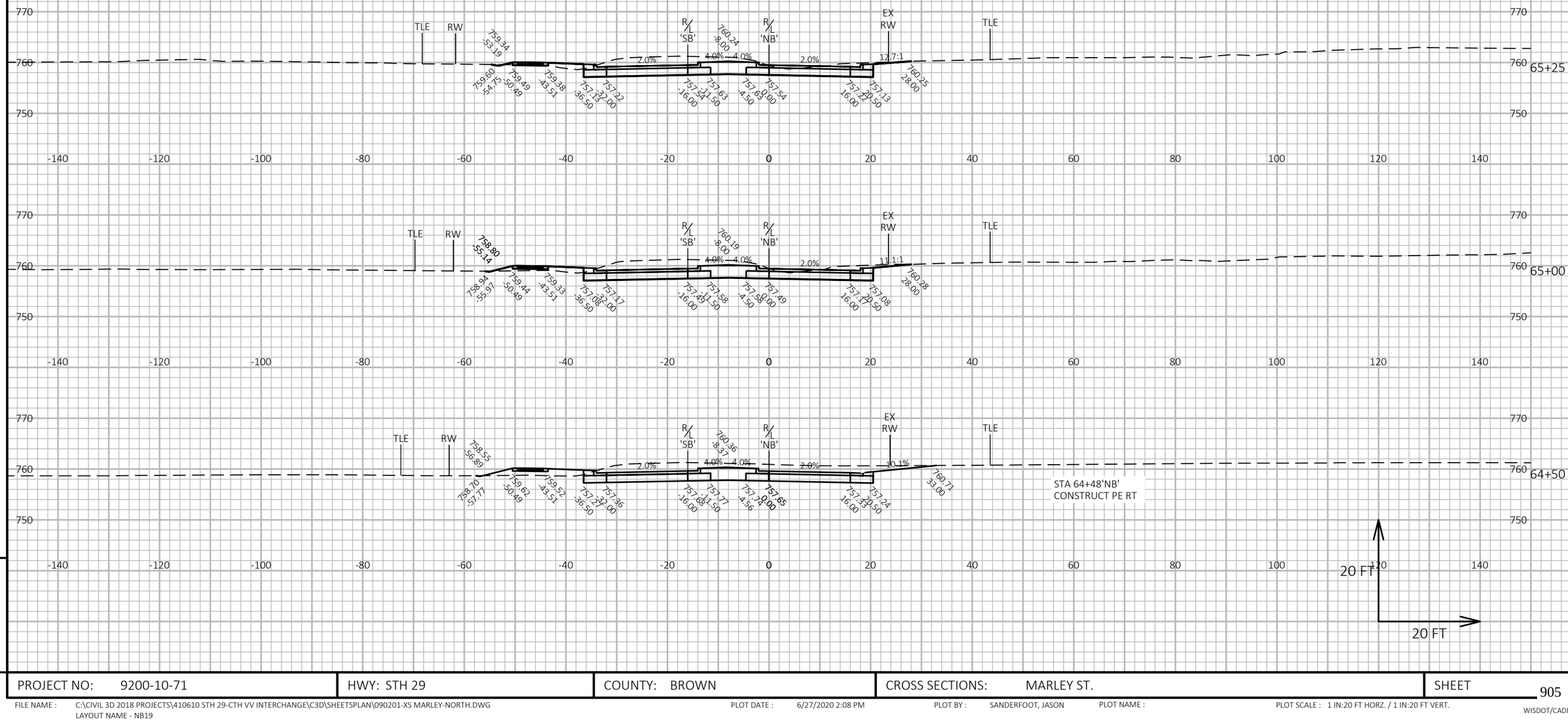
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: MARLEY ST.	SHEET 904	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS MARLEY-NORTH.DWG
LAYOUT NAME - NB18

PLOT DATE : 4/9/2020 12:08 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION



9

9

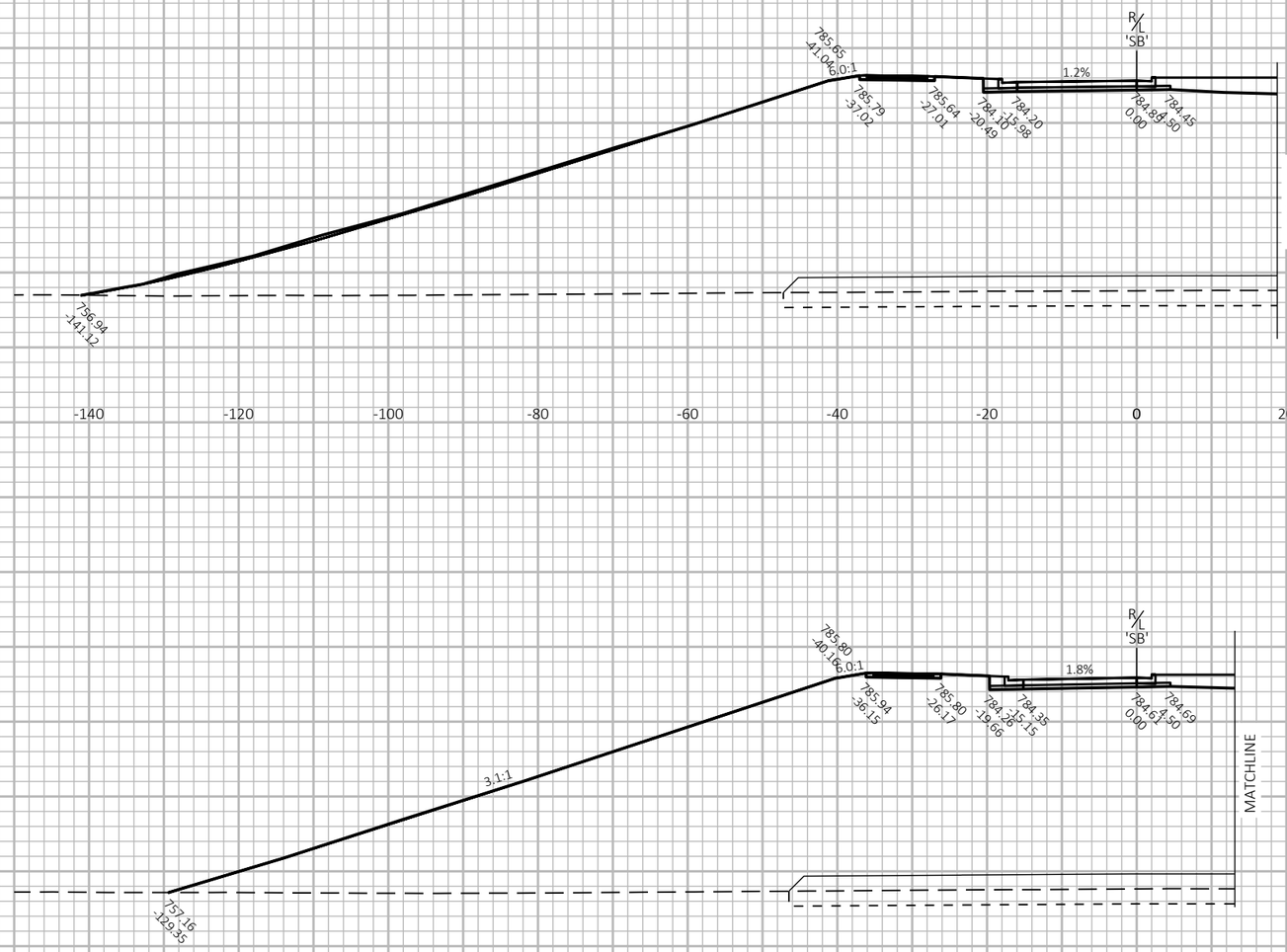
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: MARLEY ST.	SHEET 905	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS MARLEY-NORTH.DWG
LAYOUT NAME - NB19

PLOT DATE : 6/27/2020 2:08 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

MARLEY/WB RAMP ROUNDABOUT



9

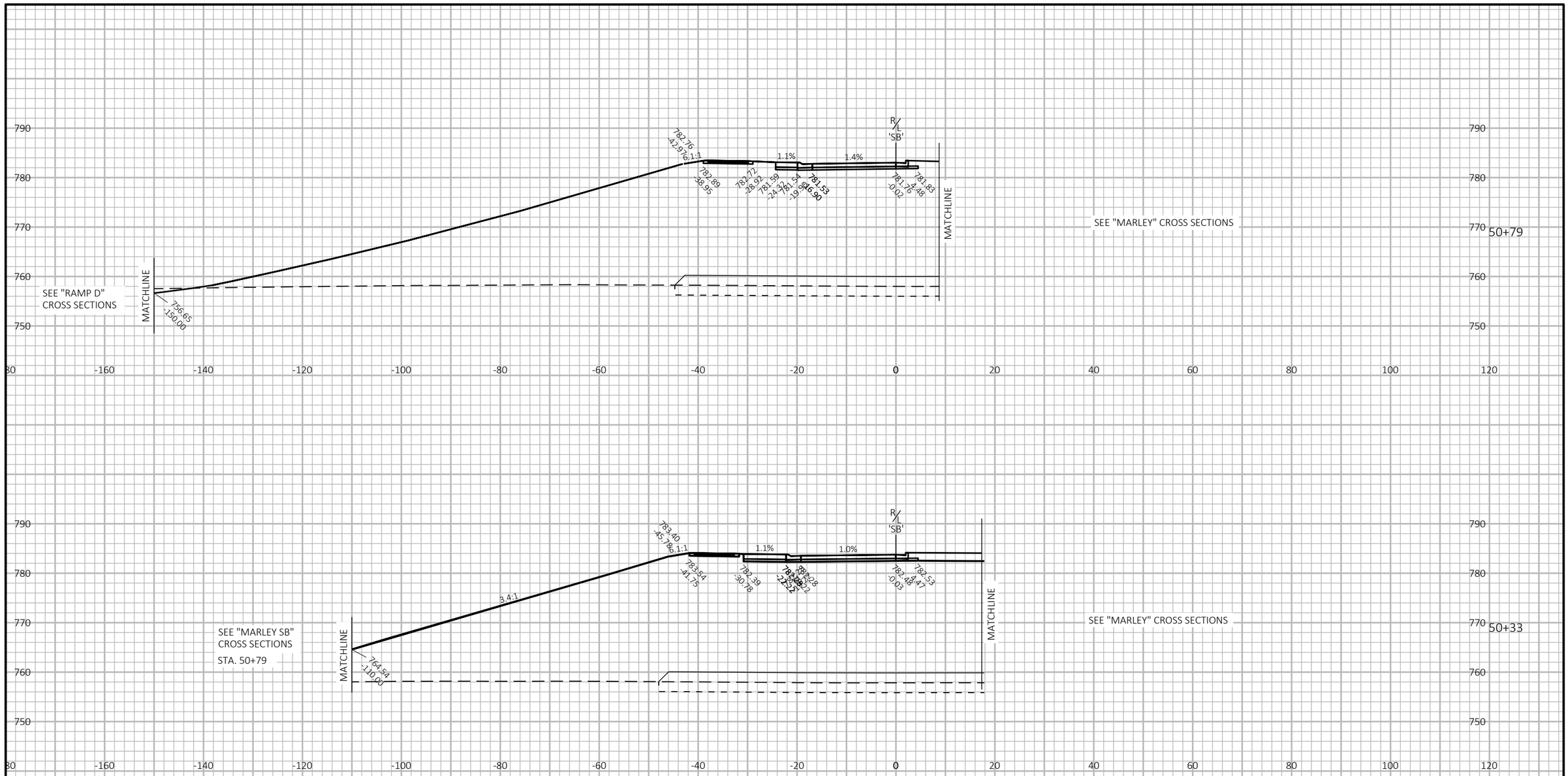
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: MARLEY ST. SOUTHBOUND	SHEET 906	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS MARLEY-NORTH.DWG
LAYOUT NAME - SB4

PLOT DATE : 4/9/2020 12:10 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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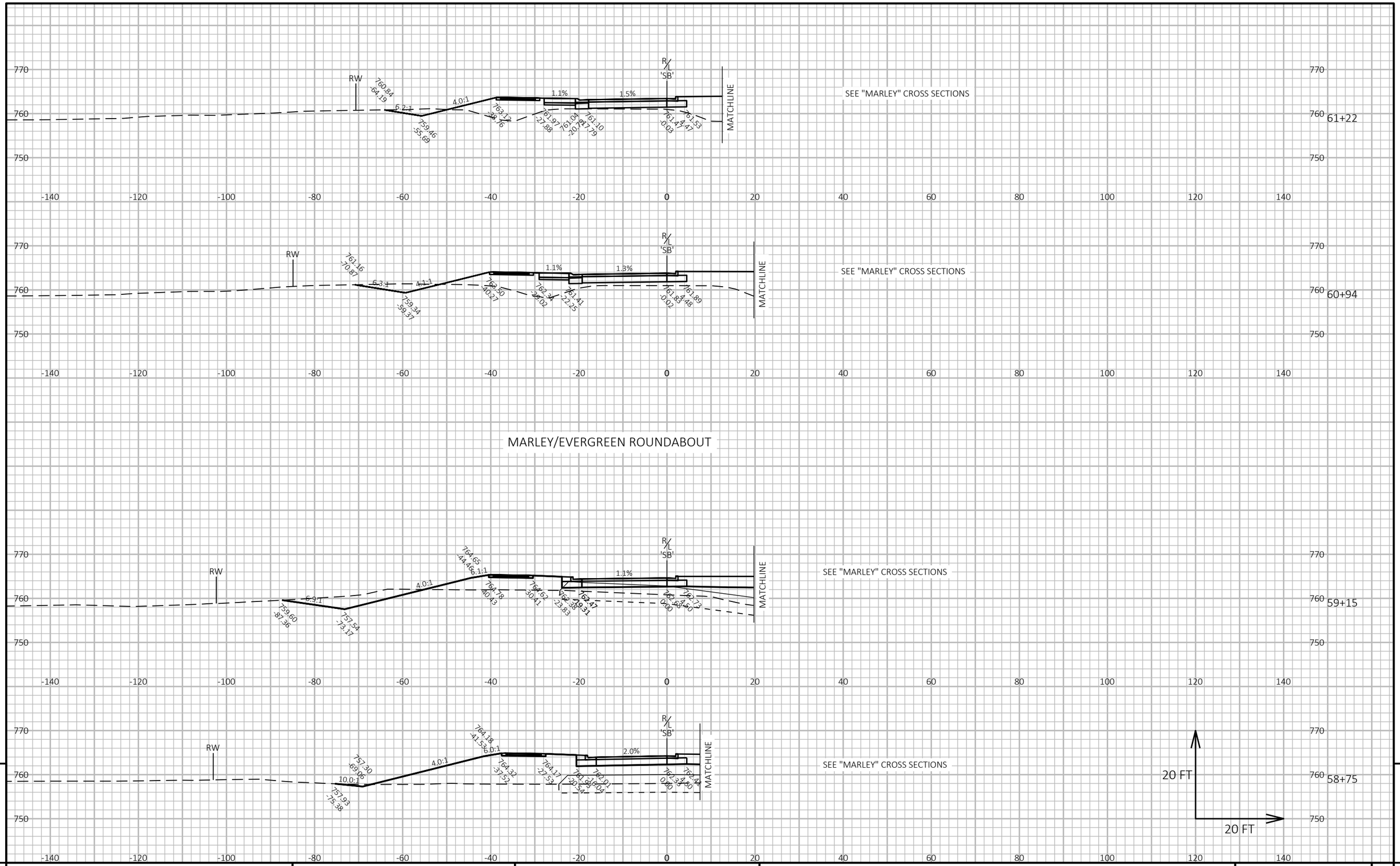
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: MARLEY ST. SOUTHBOUND	SHEET 907	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS MARLEY-NORTH.DWG
LAYOUT NAME - SB5

PLOT DATE : 4/9/2020 12:10 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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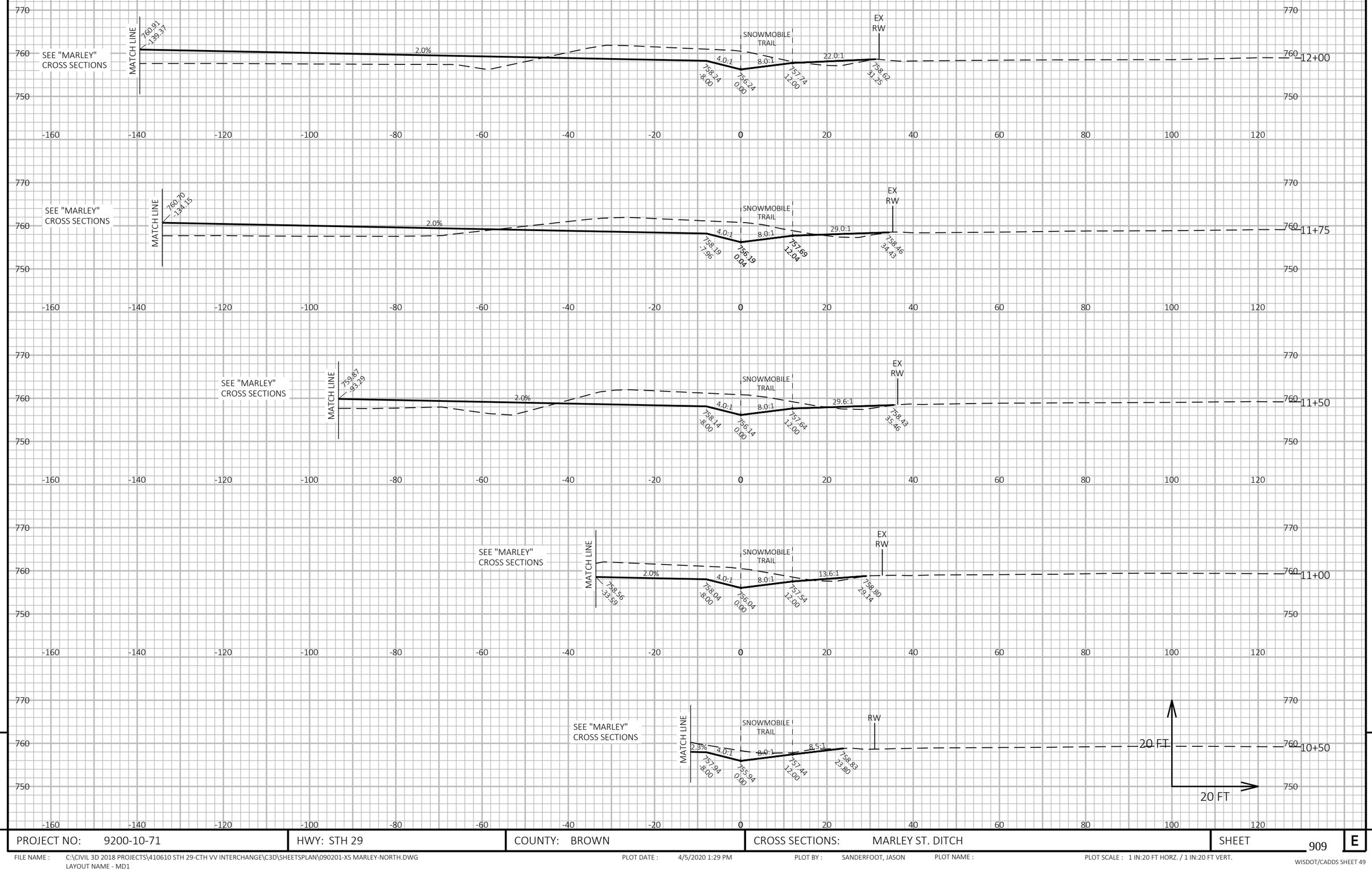
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: MARLEY ST. SOUTHBOUND	SHEET 908	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS MARLEY-NORTH.DWG
LAYOUT NAME - SB6

PLOT DATE : 4/9/2020 12:10 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: MARLEY ST. DITCH	SHEET 909	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS MARLEY-NORTH.DWG
LAYOUT NAME - MD1

PLOT DATE : 4/5/2020 1:29 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: MARLEY ST. DITCH	SHEET 910	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS MARLEY-NORTH.DWG
LAYOUT NAME - MD2

PLOT DATE : 4/5/2020 1:30 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

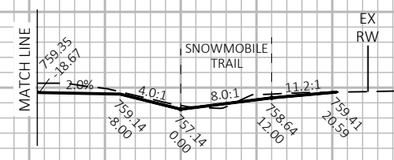
WISDOT/CADDS SHEET 49

SEE "MARLEY" CROSS SECTIONS



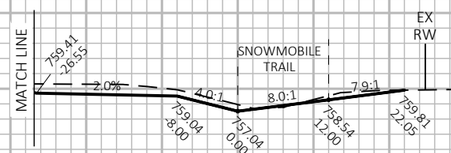
16+84

SEE "MARLEY" CROSS SECTIONS



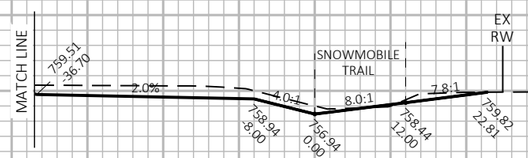
16+50

SEE "MARLEY" CROSS SECTIONS



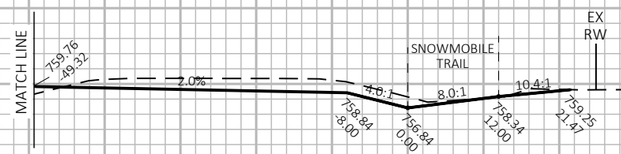
16+00

SEE "MARLEY" CROSS SECTIONS

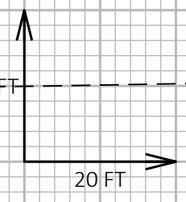


15+50

SEE "MARLEY" CROSS SECTIONS



15+00



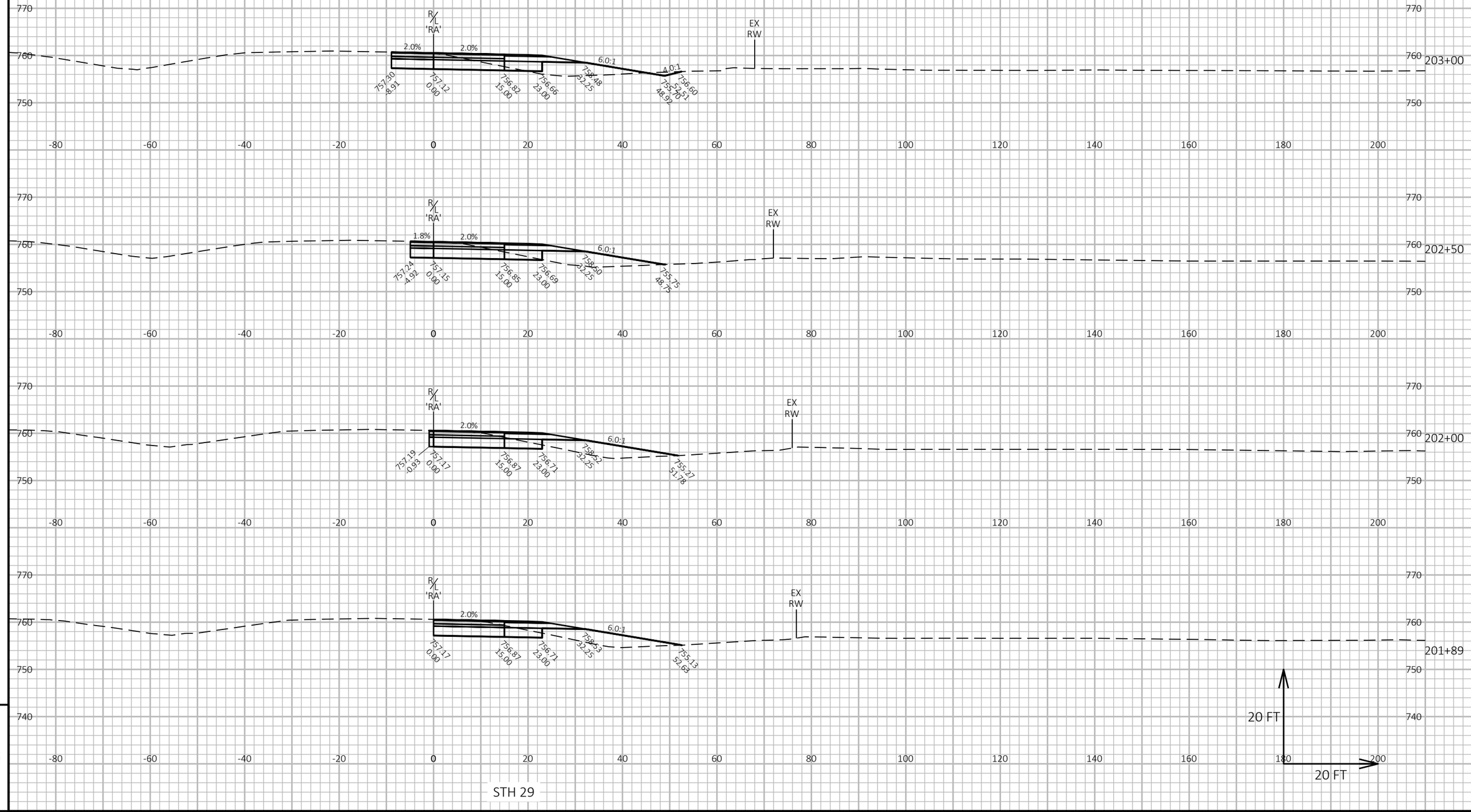
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: MARLEY ST. DITCH	SHEET 911	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS MARLEY-NORTH.DWG
LAYOUT NAME - MD3

PLOT DATE : 4/5/2020 1:30 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

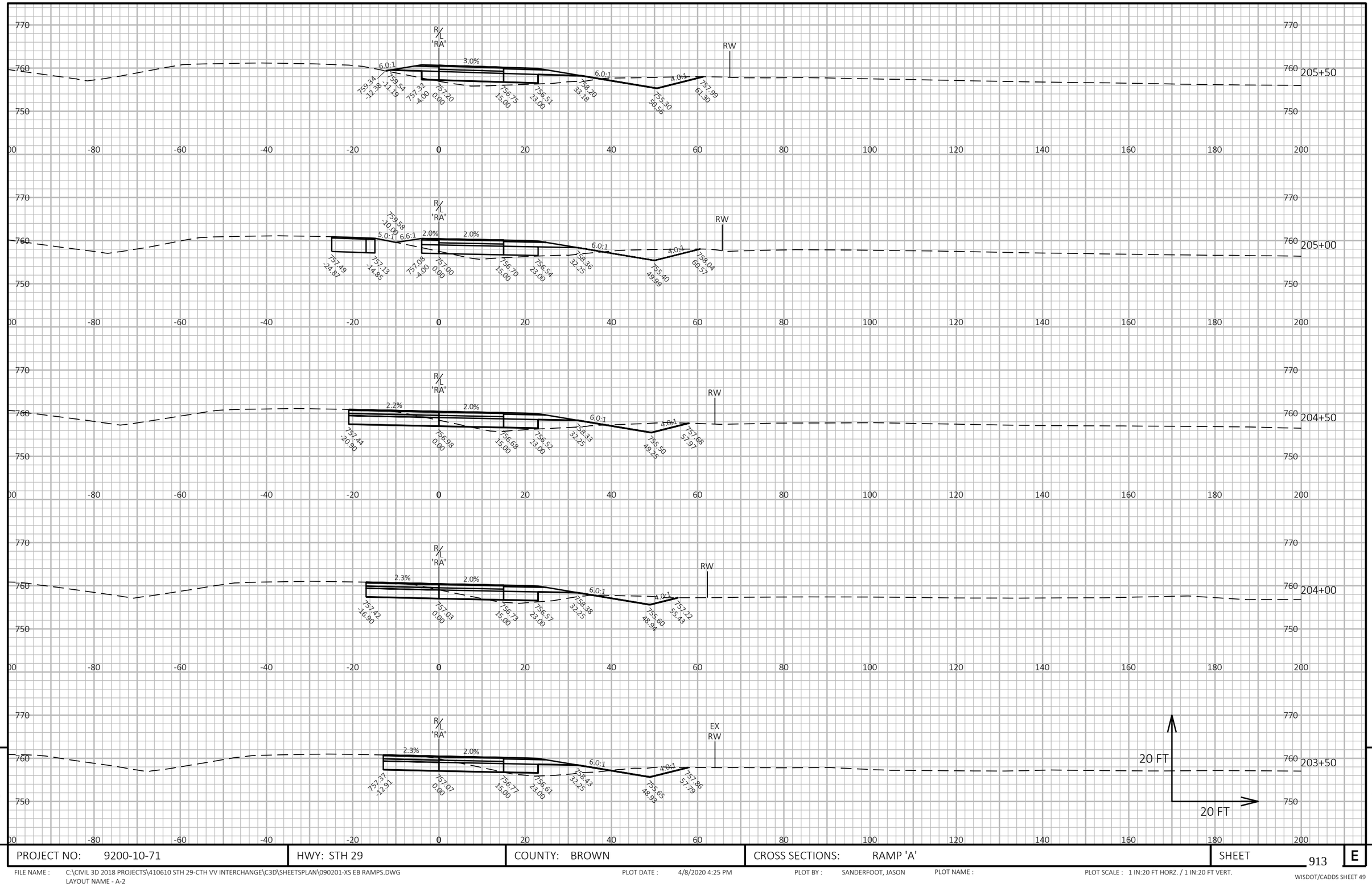


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'A'	SHEET 912	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EB RAMPS.DWG
LAYOUT NAME - A-1

PLOT DATE : 4/8/2020 4:25 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

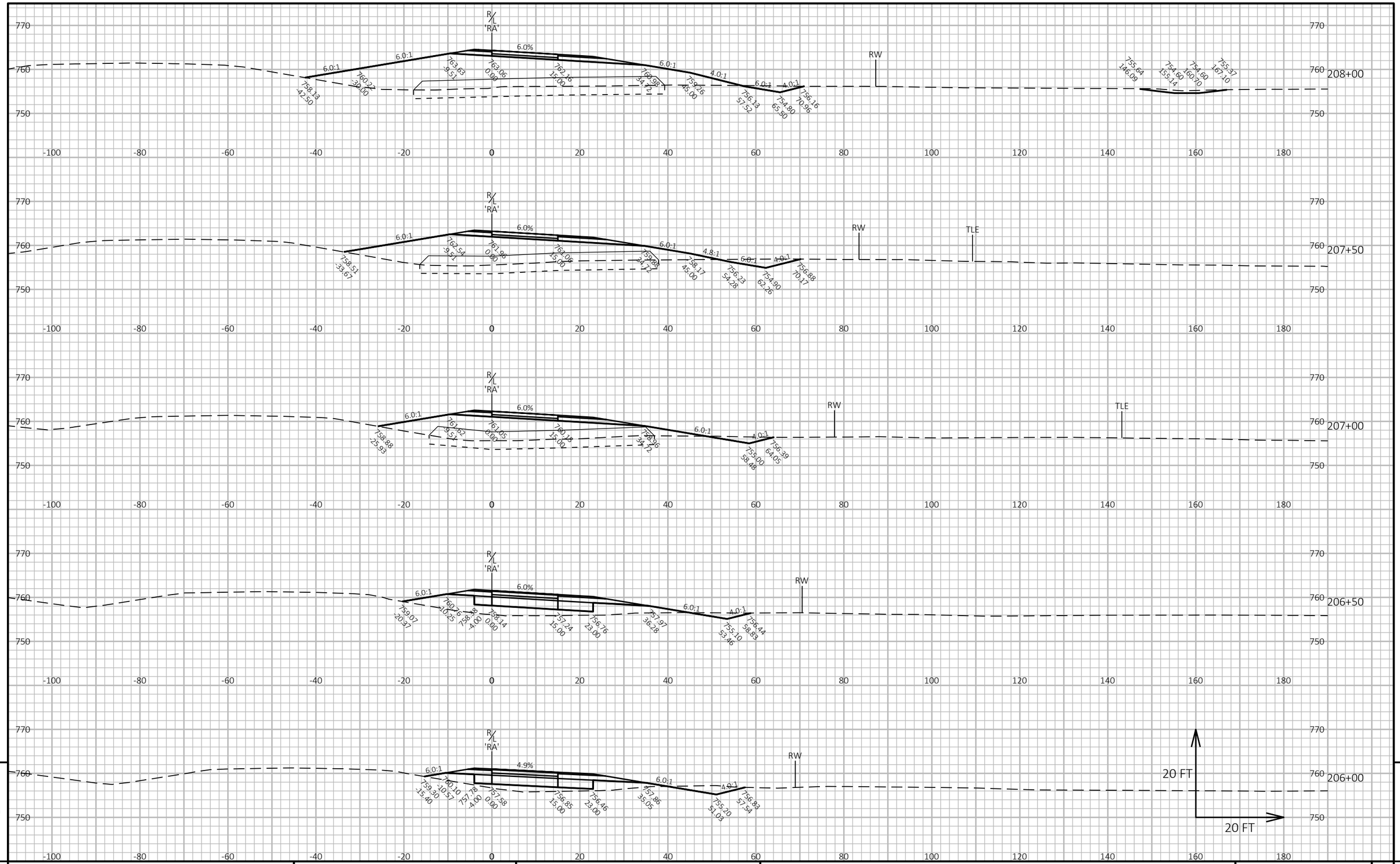


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'A'	SHEET 913 E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EB RAMPS.DWG
LAYOUT NAME - A-2

PLOT DATE : 4/8/2020 4:25 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

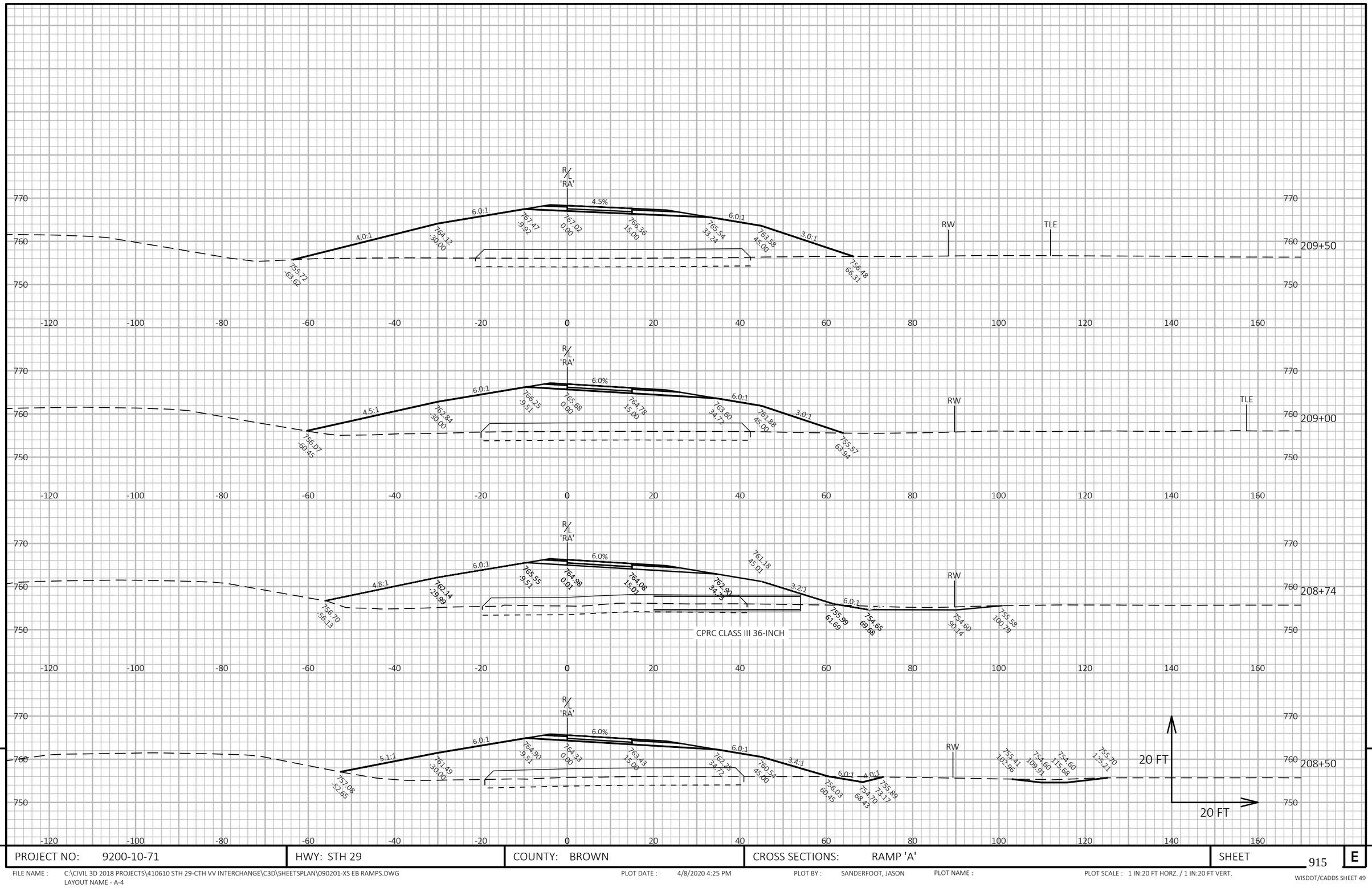


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'A'	SHEET 914	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EB RAMPS.DWG
LAYOUT NAME - A-3

PLOT DATE : 4/8/2020 4:25 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

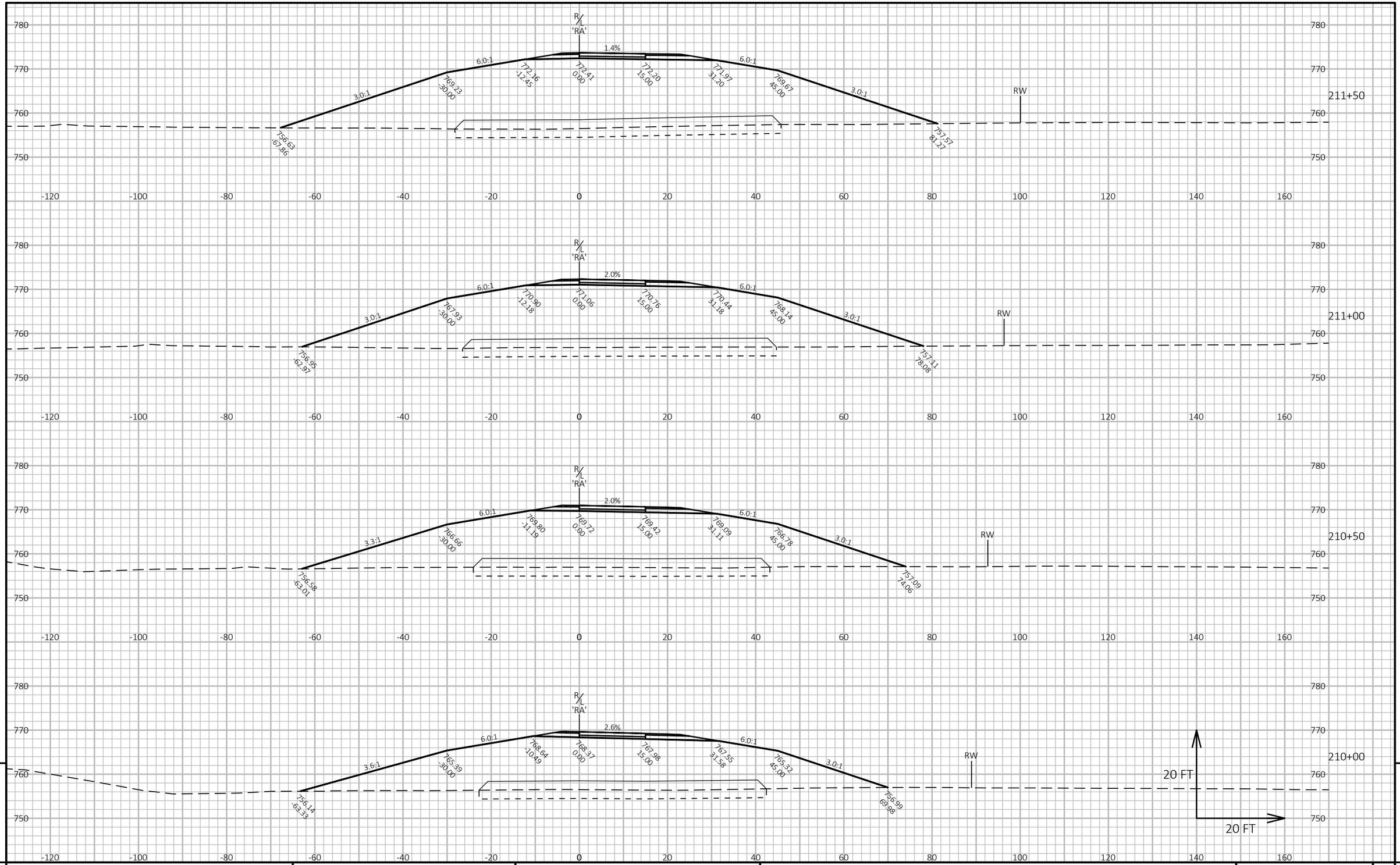


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'A'	SHEET 915	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EB RAMPS.DWG
LAYOUT NAME - A-4

PLOT DATE : 4/8/2020 4:25 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'A'	SHEET 916	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EB RAMPS.DWG
LAYOUT NAME - A-5

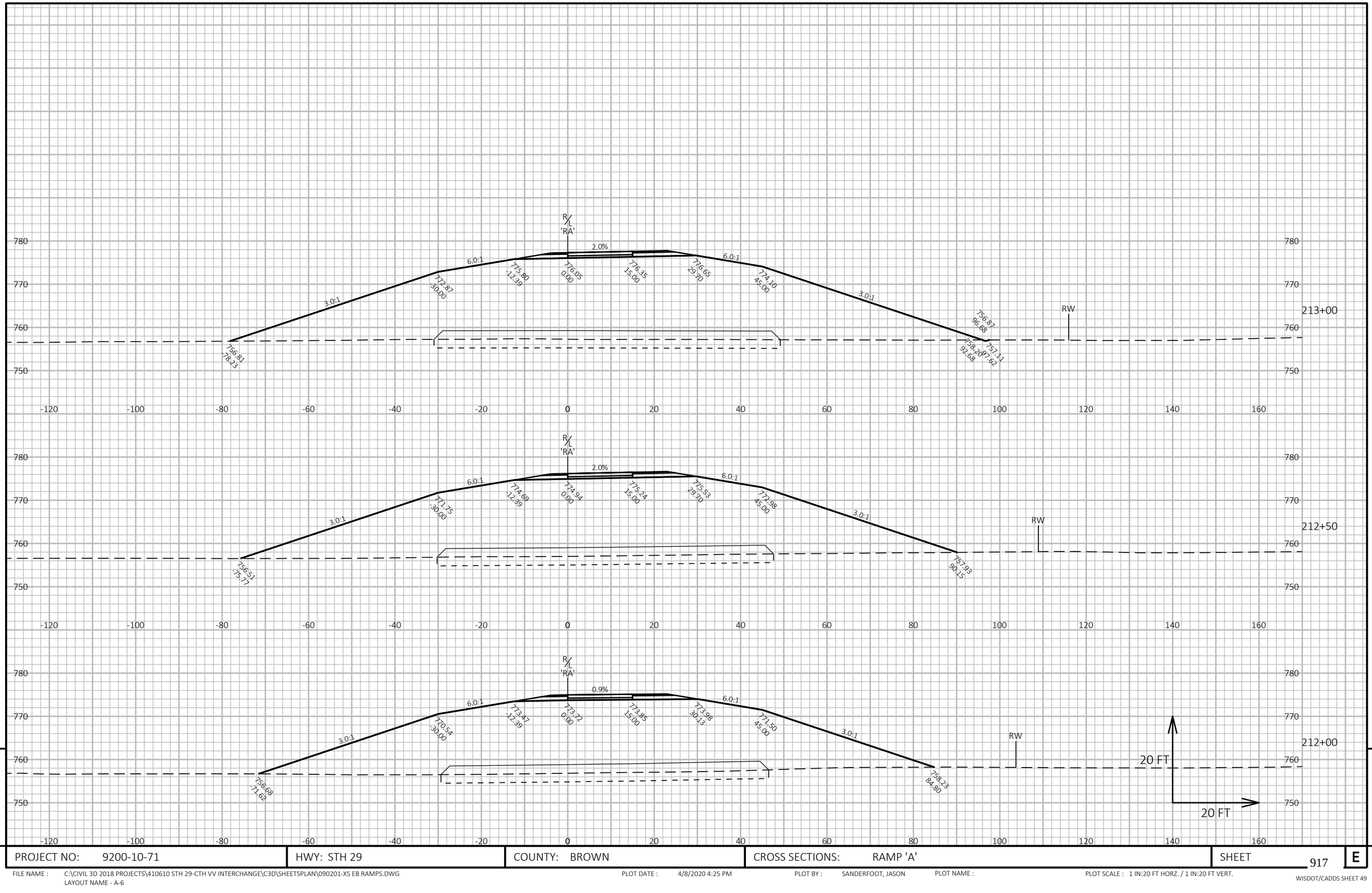
PLOT DATE : 4/8/2020 4:25 PM

PLOT BY : SANDERFOOT, JASON

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

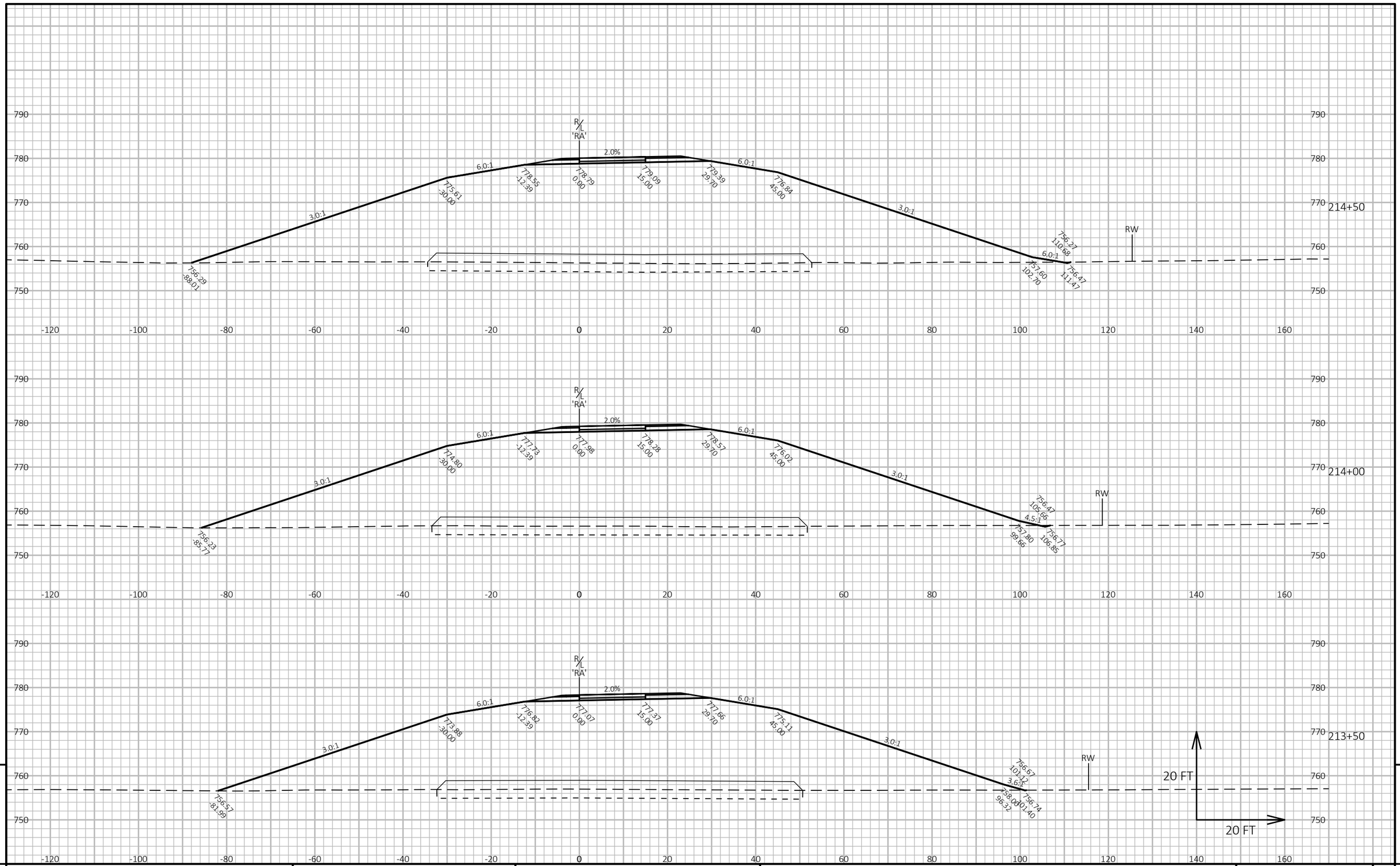


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'A'	SHEET 917	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EB RAMPS.DWG
LAYOUT NAME - A-6

PLOT DATE : 4/8/2020 4:25 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

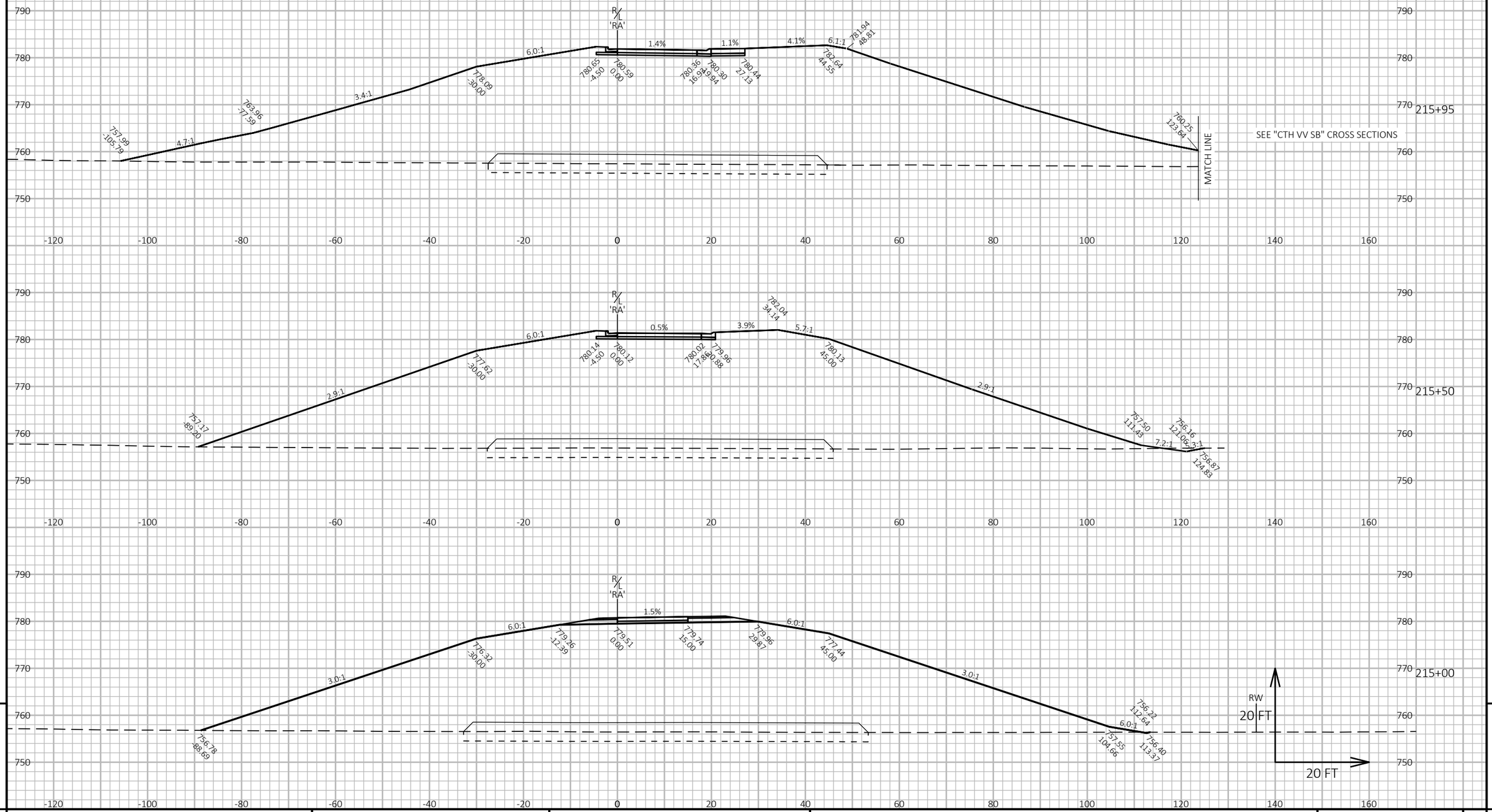
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'A'	SHEET 918	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EB RAMPS.DWG
LAYOUT NAME - A-7

PLOT DATE : 4/8/2020 4:25 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

CTH VV/EB RAMPS ROUNDABOUT

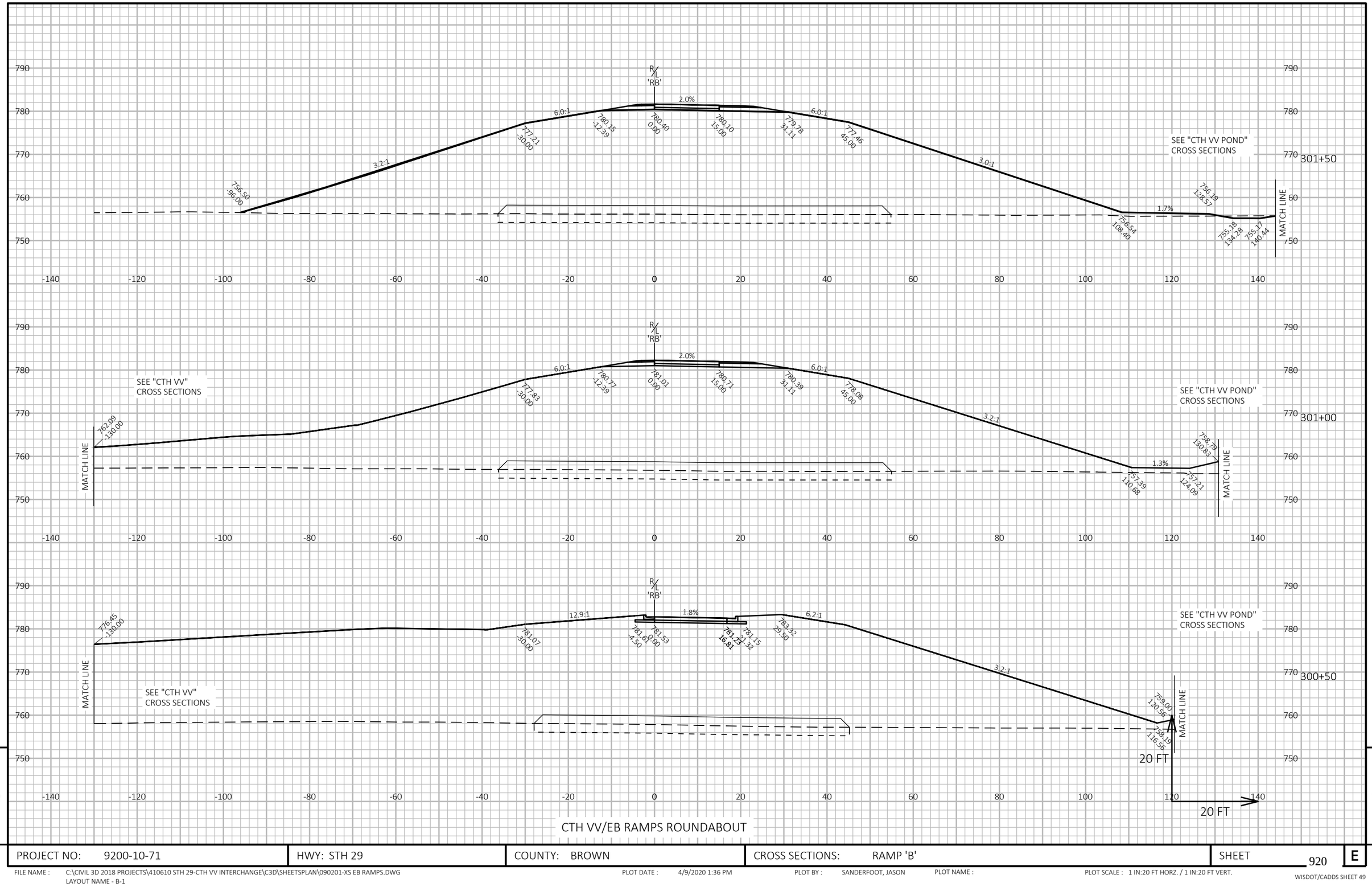


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'A'	SHEET 919	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EB RAMPS.DWG
LAYOUT NAME - A-8

PLOT DATE : 4/8/2020 4:25 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



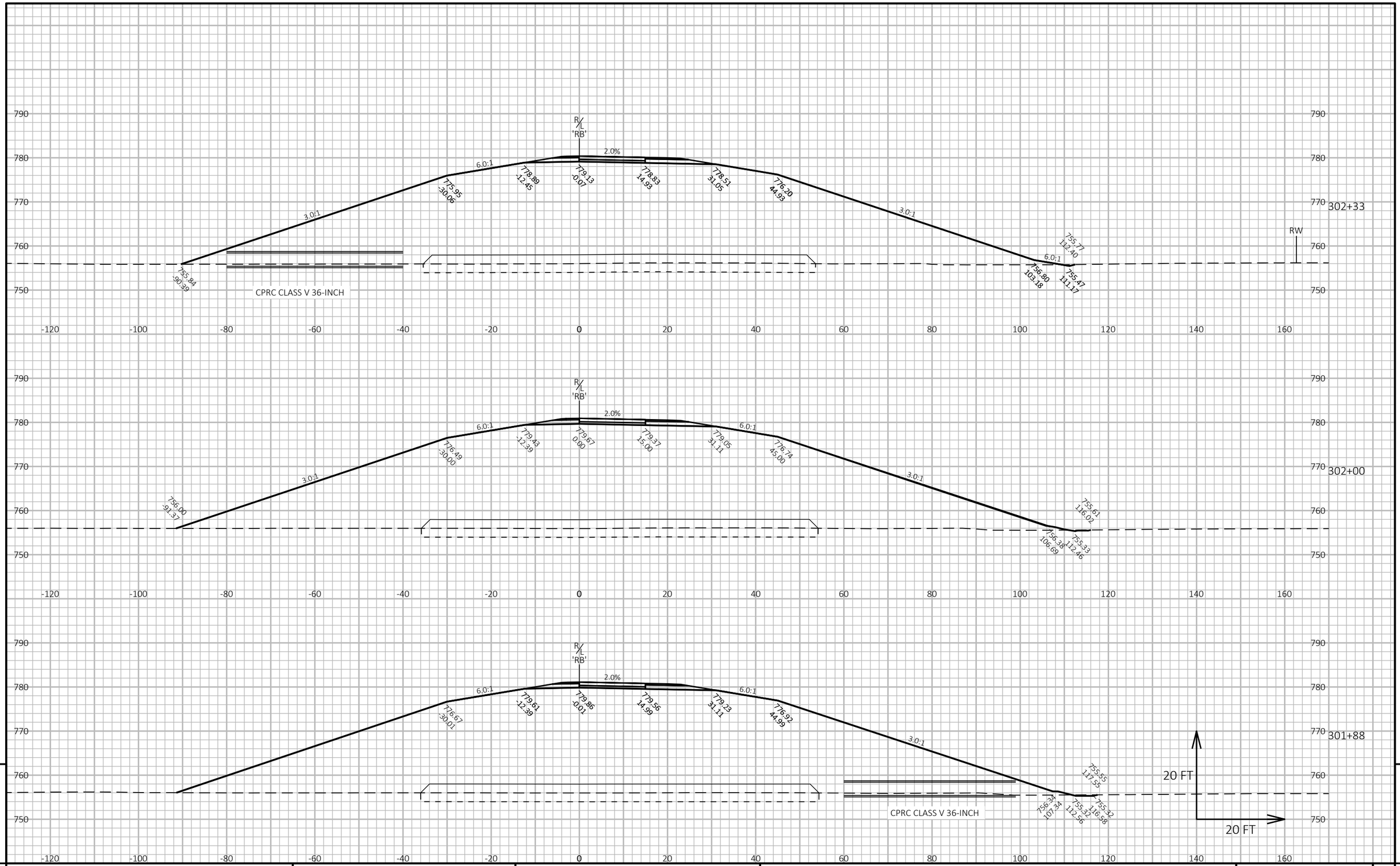
CTH VV/EB RAMPS ROUNDABOUT

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'B'	SHEET 920	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EB RAMPS.DWG
LAYOUT NAME - B-1

PLOT DATE : 4/9/2020 1:36 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



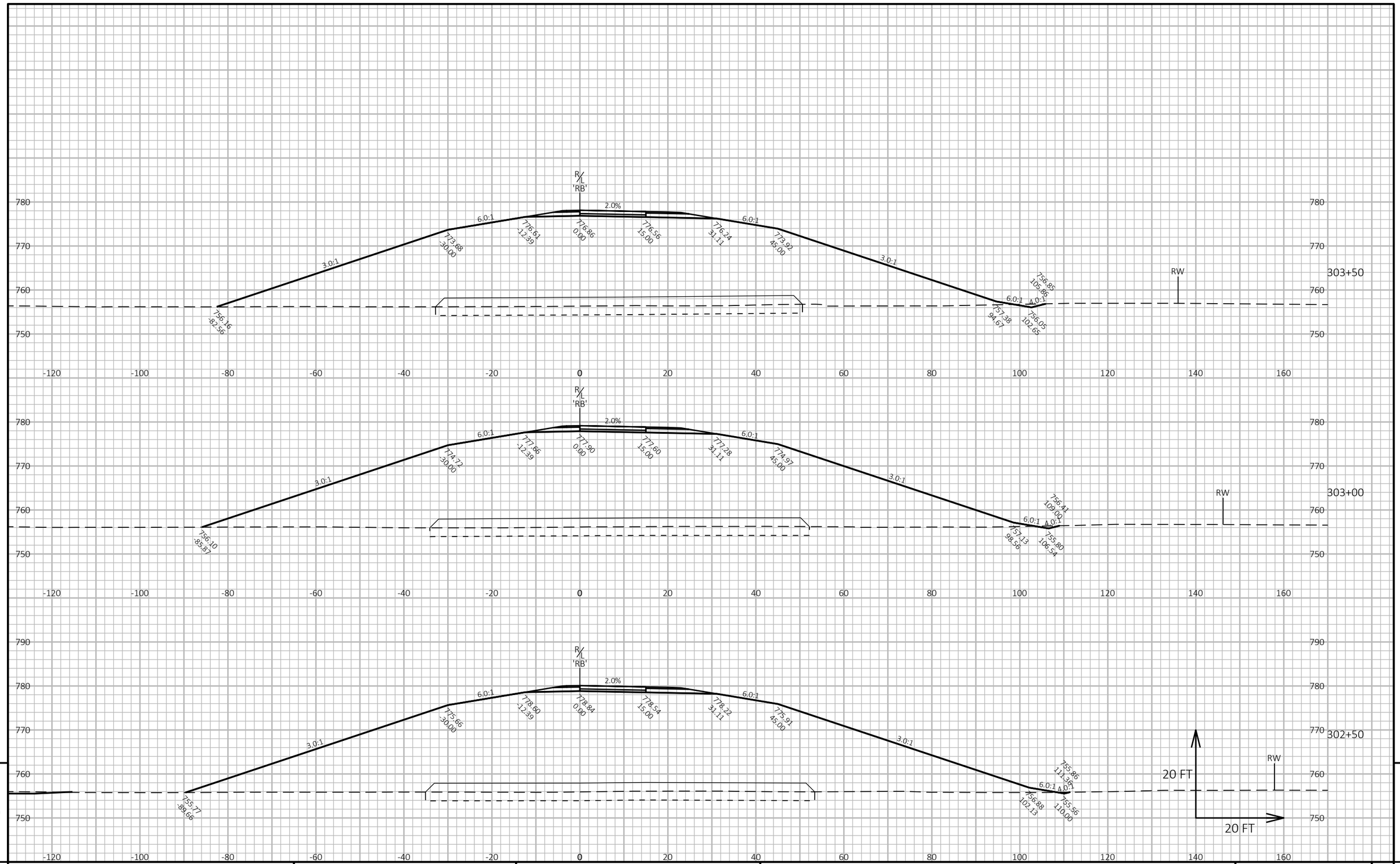
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'B'	SHEET 921	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EB RAMPS.DWG
LAYOUT NAME - B-2

PLOT DATE : 4/9/2020 1:36 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

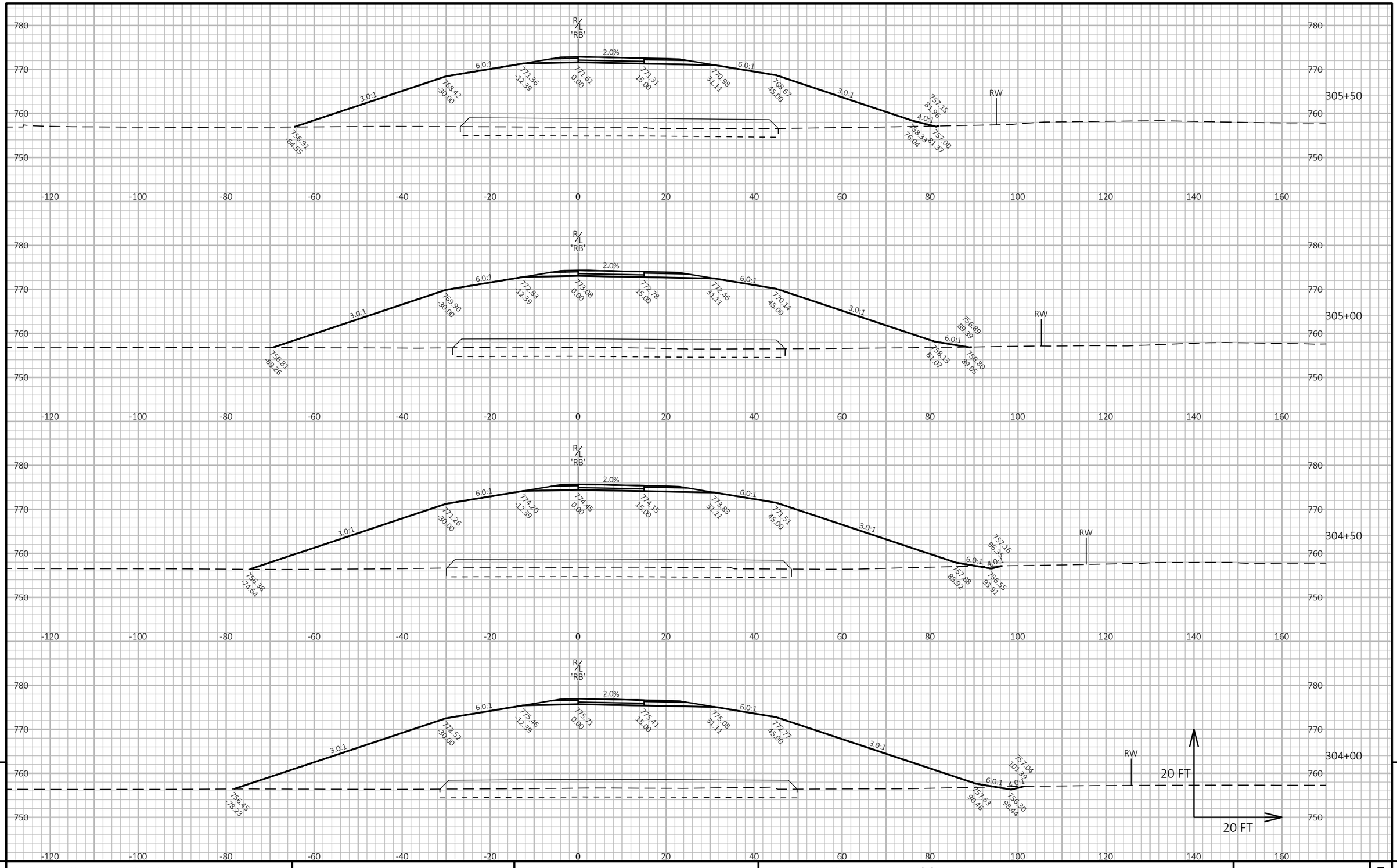


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'B'	SHEET 922	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EB RAMPS.DWG
LAYOUT NAME - B-3

PLOT DATE : 4/9/2020 1:36 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

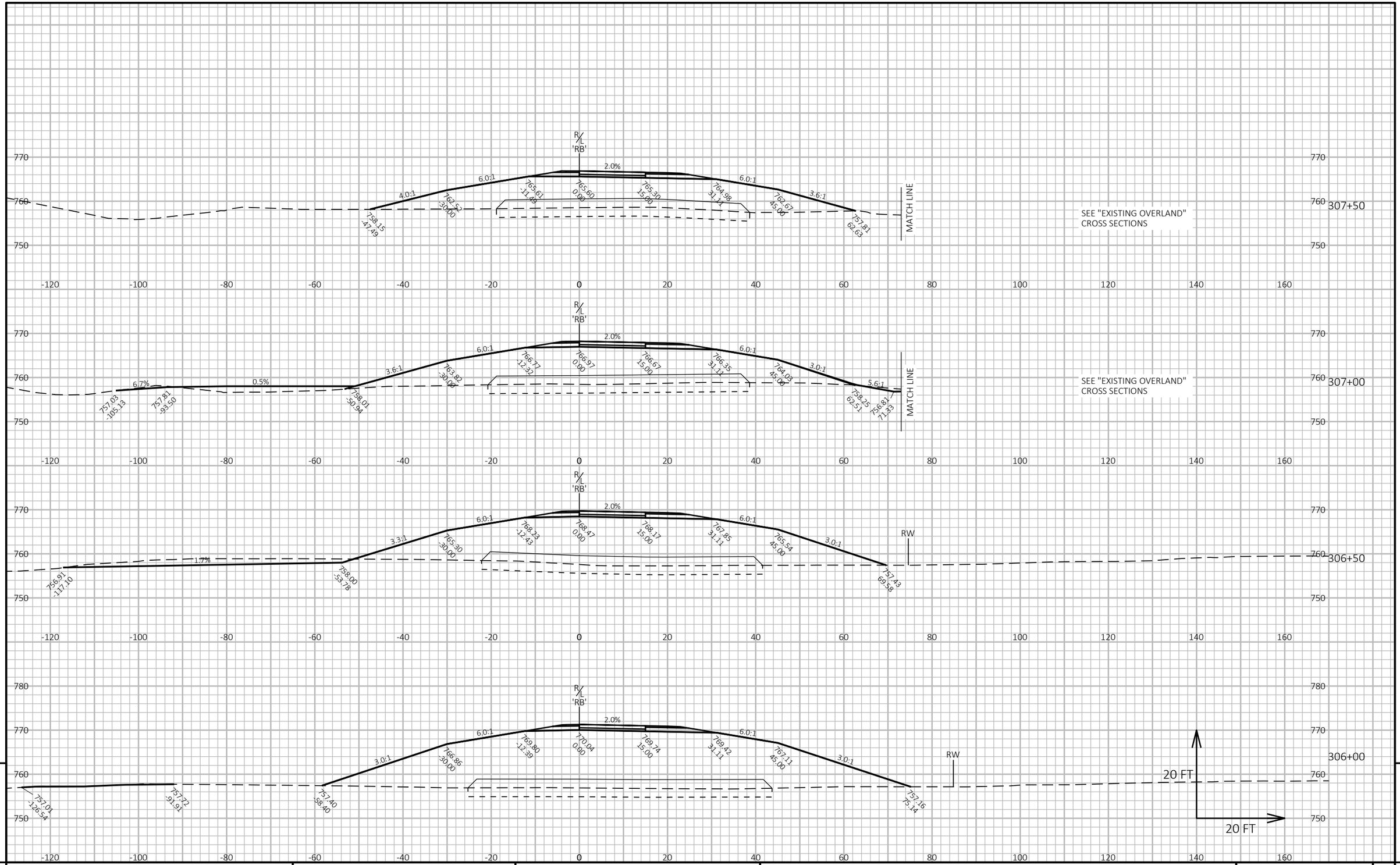


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'B'	SHEET 923	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EB RAMPS.DWG
LAYOUT NAME - B-4

PLOT DATE : 4/9/2020 1:36 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



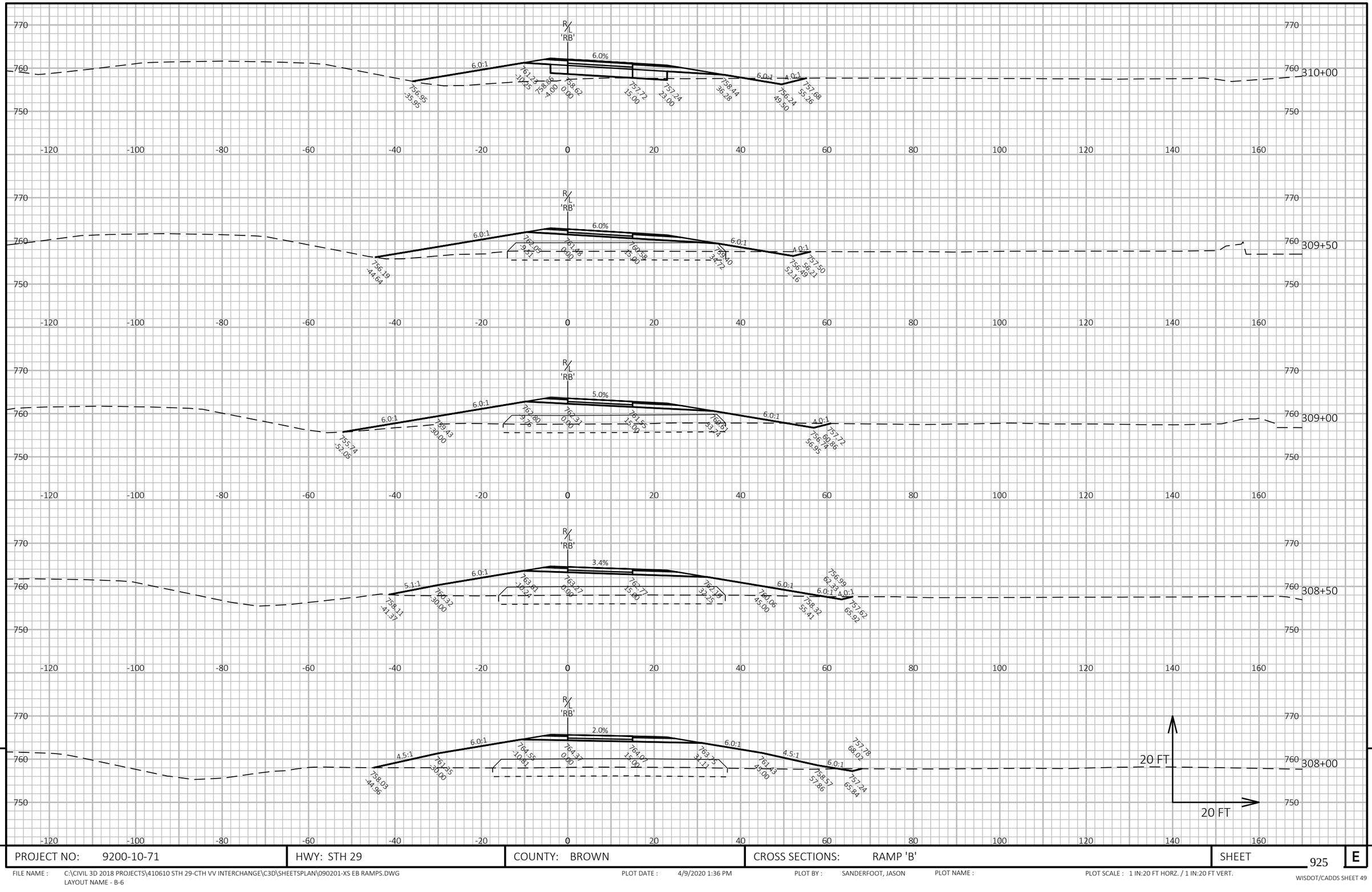
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'B'	SHEET 924	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EB RAMPS.DWG
LAYOUT NAME - B-5

PLOT DATE : 4/9/2020 1:36 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'B'	SHEET 925	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EB RAMPS.DWG
LAYOUT NAME - B-6

PLOT DATE : 4/9/2020 1:36 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9 9

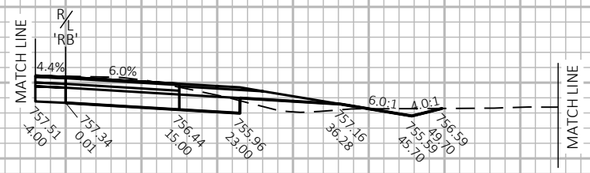
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'B'	SHEET 926	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EB RAMPS.DWG
LAYOUT NAME - B-7

PLOT DATE : 4/9/2020 1:36 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

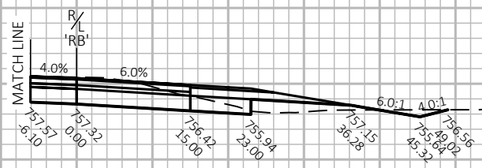
SEE "STH 29" CROSS SECTIONS



SEE "EXISTING TRIANGLE" CROSS SECTIONS

314+50

SEE "STH 29" CROSS SECTIONS



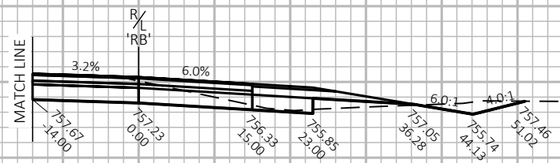
314+00

SEE "STH 29" CROSS SECTIONS

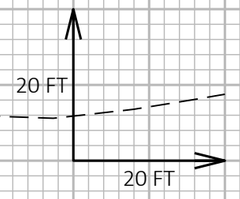


313+50

SEE "STH 29" CROSS SECTIONS



313+00



9 9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'B'	SHEET 927	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EB RAMPS.DWG
LAYOUT NAME - B-8

PLOT DATE : 4/9/2020 1:36 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

STH 29

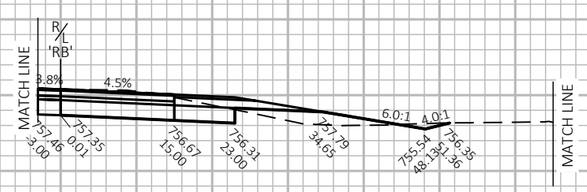
SEE "STH 29" CROSS SECTIONS



SEE "EXISTING TRIANGLE" CROSS SECTIONS

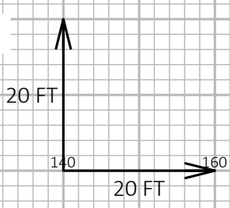
315+14

SEE "STH 29" CROSS SECTIONS



SEE "EXISTING TRIANGLE" CROSS SECTIONS

315+00



9

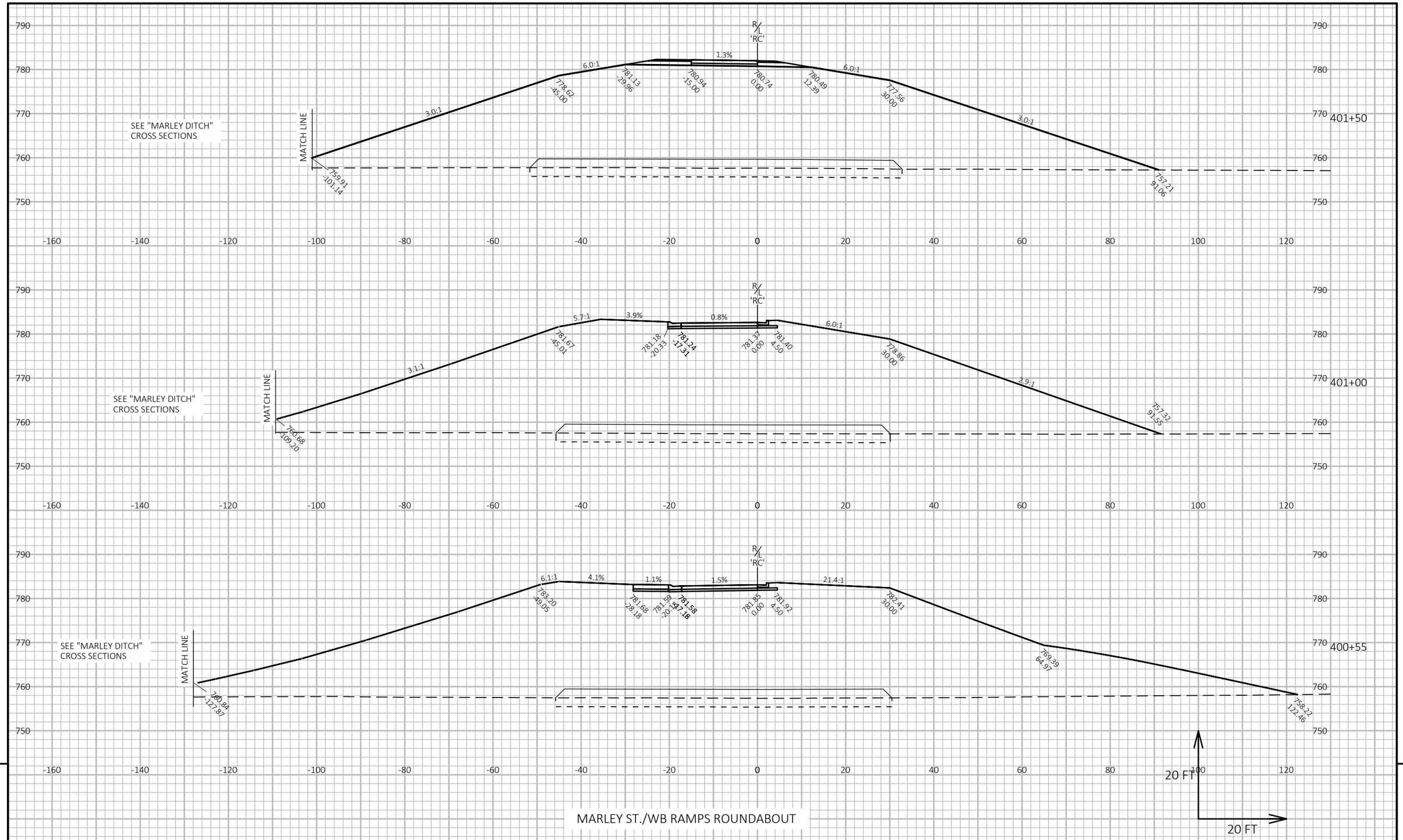
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'B'	SHEET 928	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EB RAMPS.DWG
LAYOUT NAME - B-9

PLOT DATE : 4/9/2020 1:36 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



SEE "MARLEY DITCH" CROSS SECTIONS

SEE "MARLEY DITCH" CROSS SECTIONS

SEE "MARLEY DITCH" CROSS SECTIONS

9

MARLEY ST./WB RAMPS ROUNDABOUT

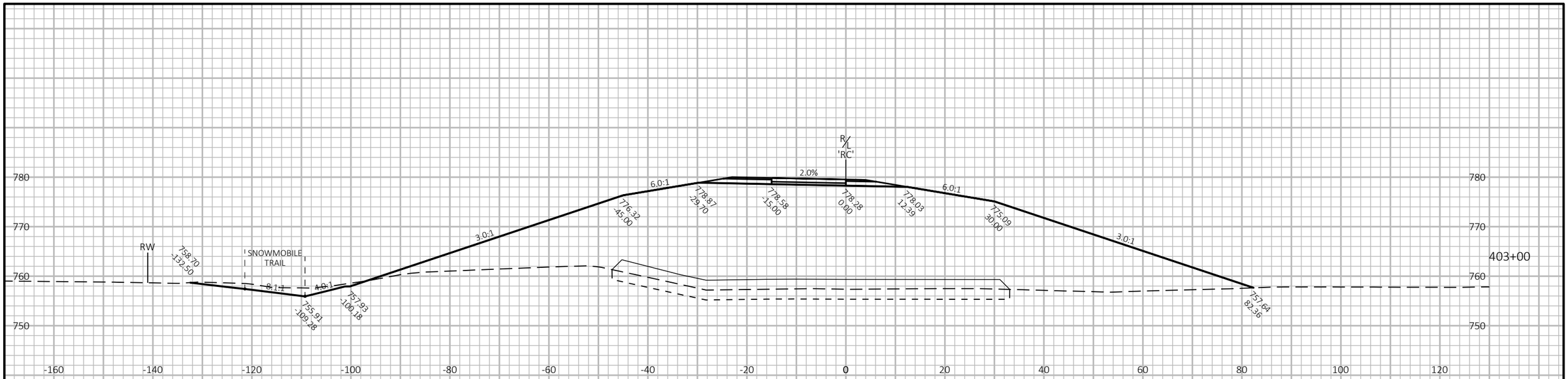
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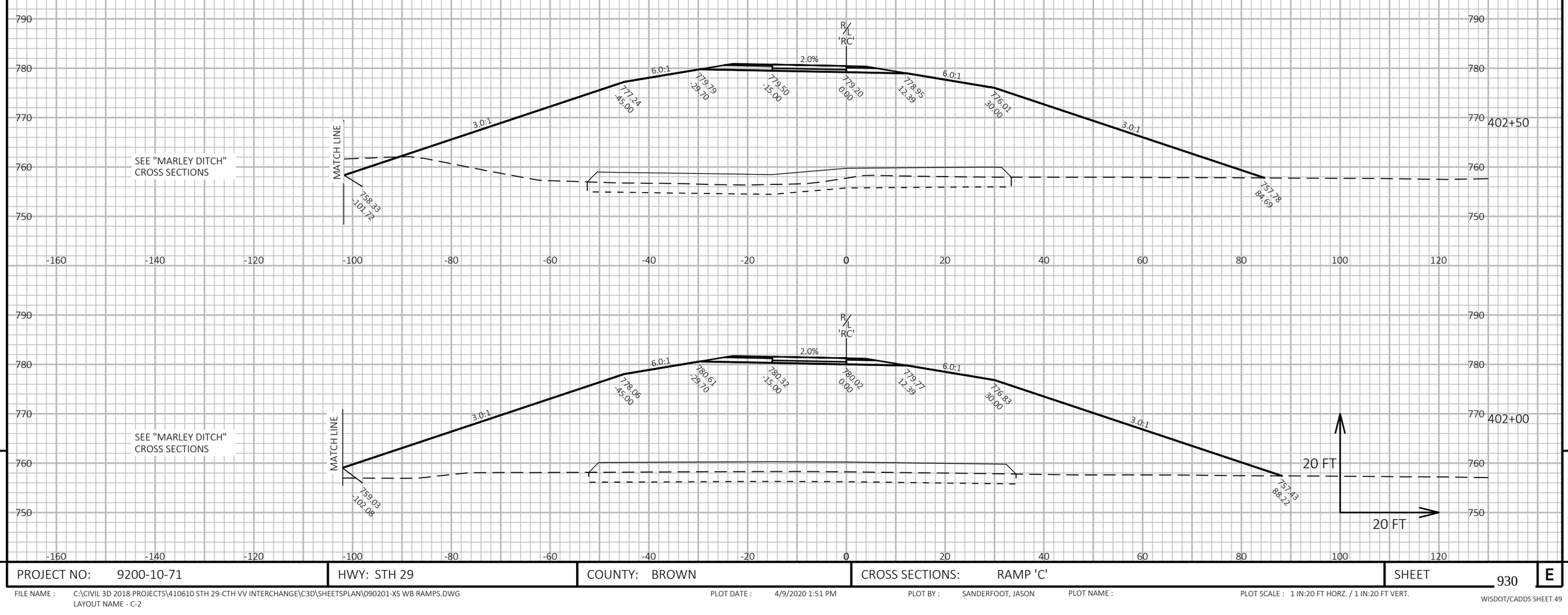
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'C'	SHEET 929	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS WB RAMPS.DWG
LAYOUT NAME - C-1

PLOT DATE : 4/9/2020 1:51 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





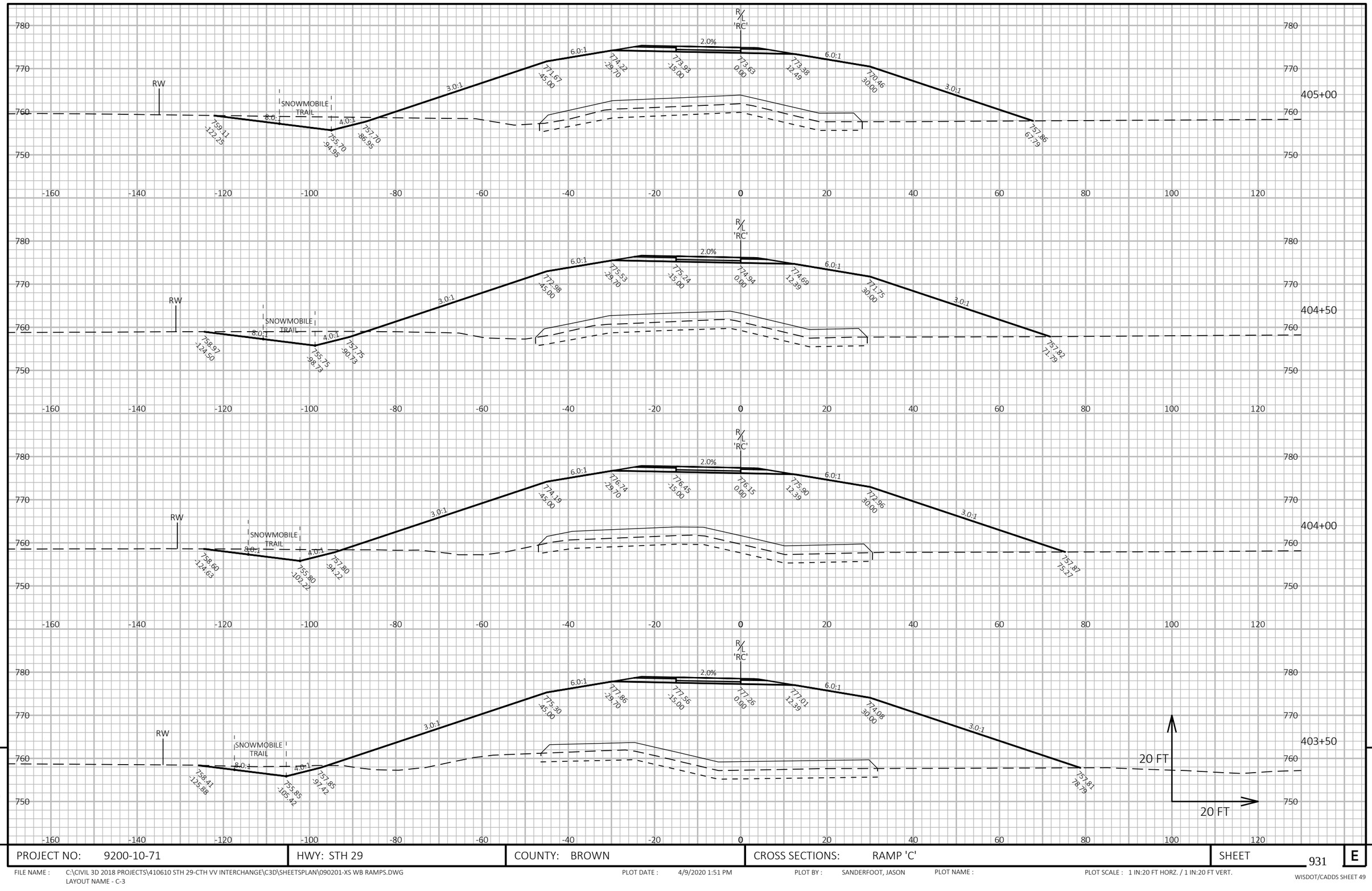
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'C'	SHEET 930	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS WB RAMPS.DWG
LAYOUT NAME - C-2

PLOT DATE : 4/9/2020 1:51 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'C'	SHEET 931	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS WB RAMPS.DWG
LAYOUT NAME - C-3

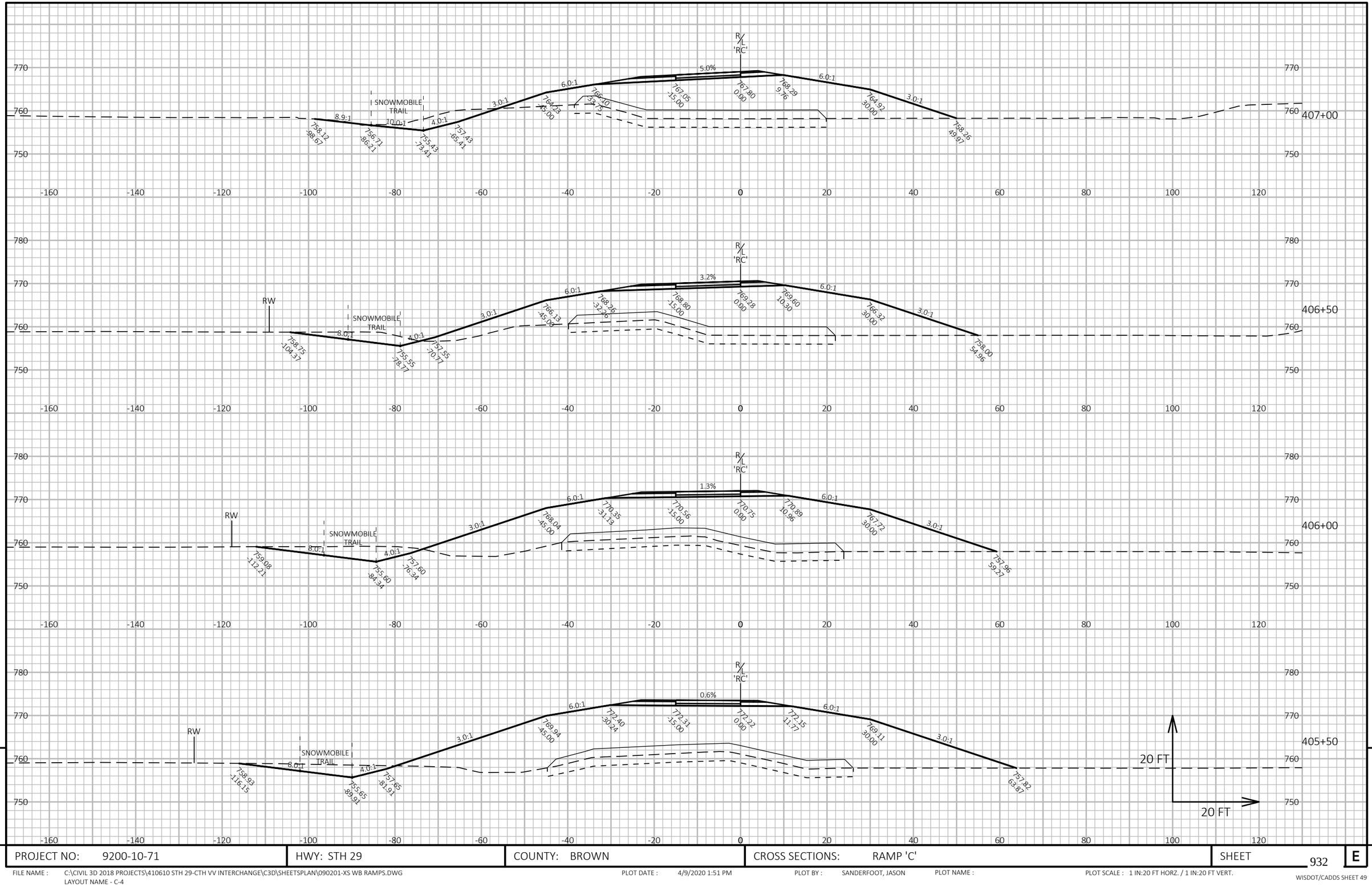
PLOT DATE : 4/9/2020 1:51 PM

PLOT BY : SANDERFOOT, JASON

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9	PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'C'	SHEET 932 E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS WB RAMPS.DWG
LAYOUT NAME - C-4

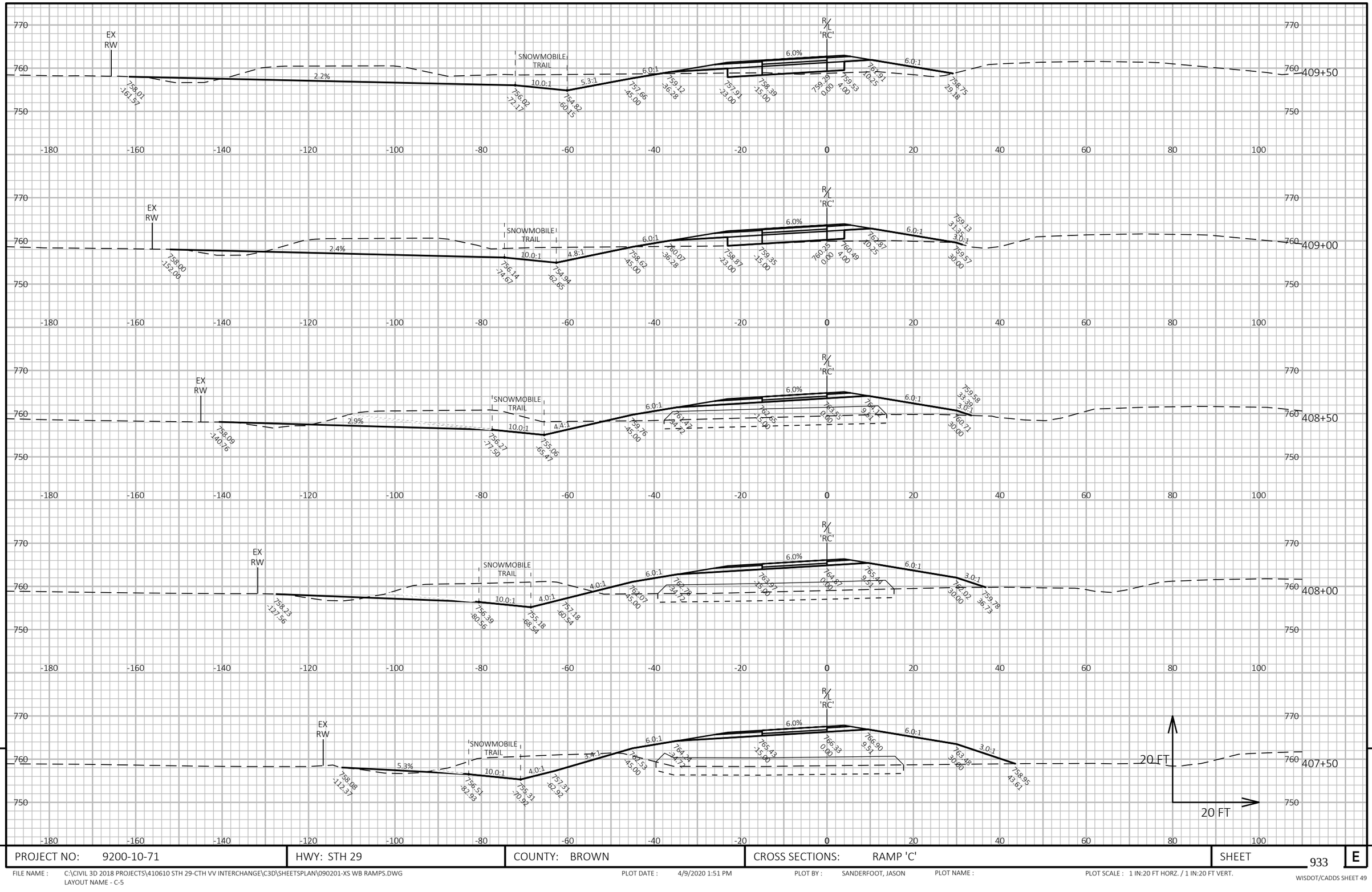
PLOT DATE : 4/9/2020 1:51 PM

PLOT BY : SANDERFOOT, JASON

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

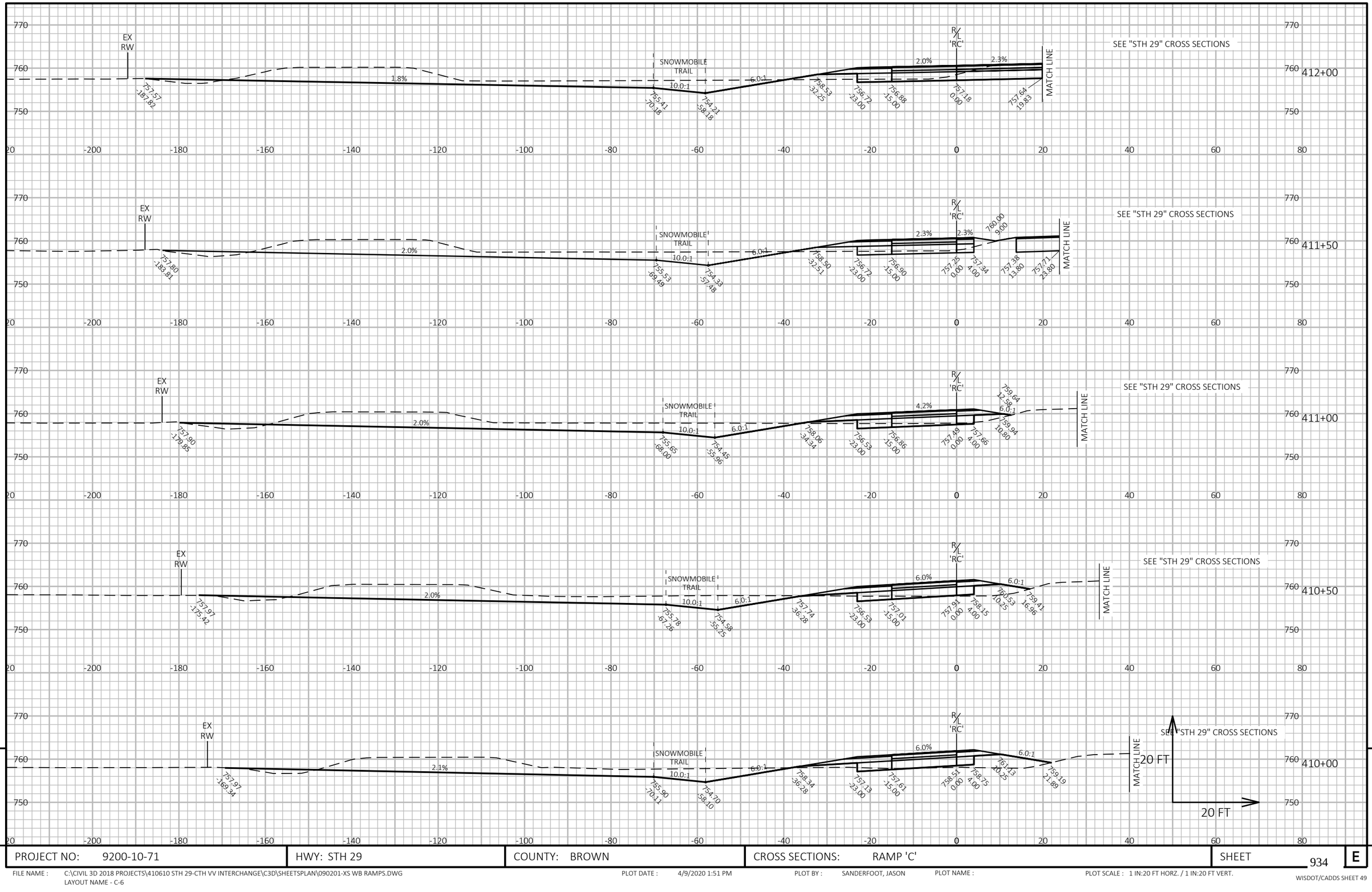


9 9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'C'	SHEET 933	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS WB RAMPS.DWG
LAYOUT NAME - C-5

PLOT DATE : 4/9/2020 1:51 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



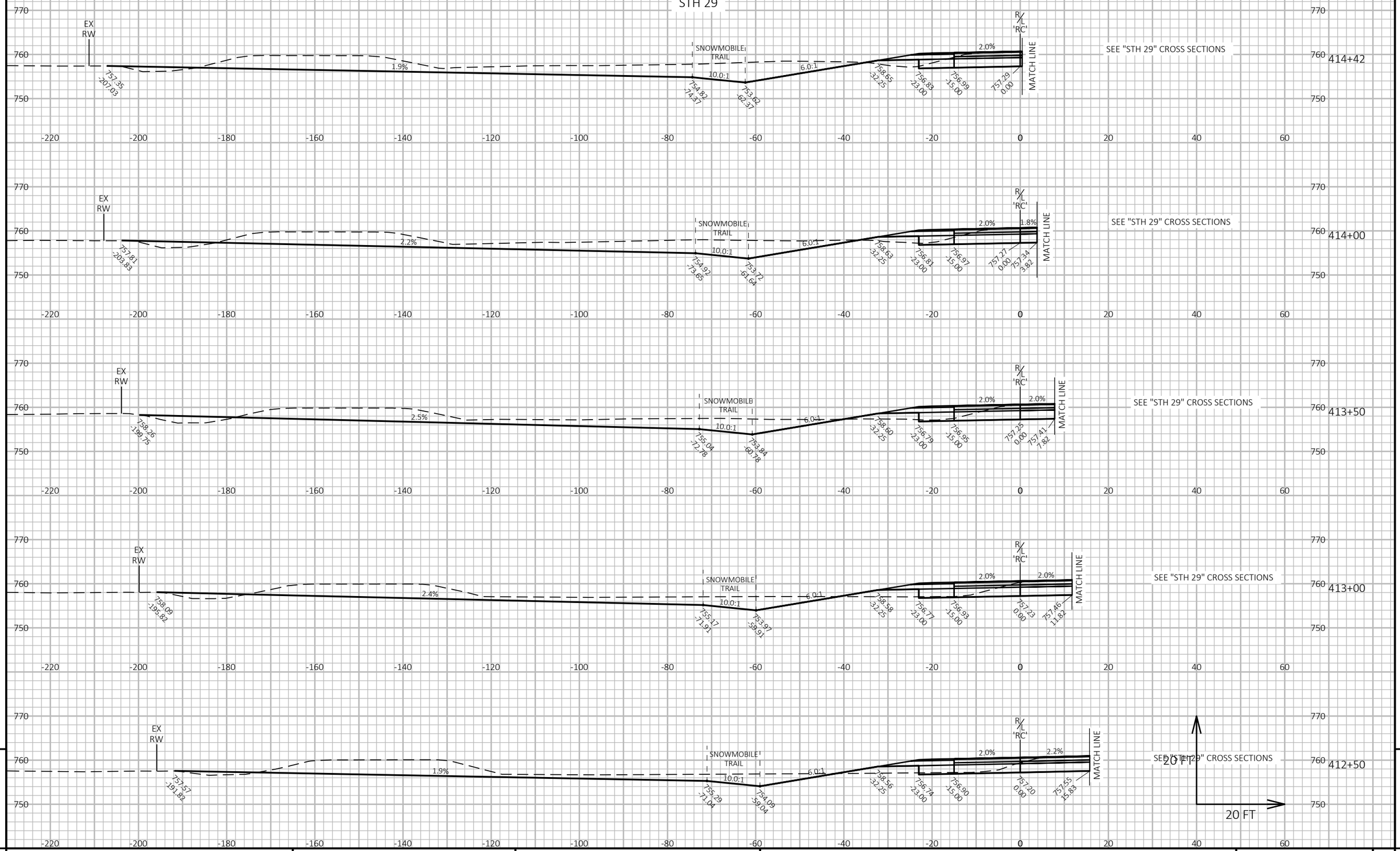
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'C'	SHEET 934 E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS WB RAMPS.DWG
LAYOUT NAME - C-6

PLOT DATE : 4/9/2020 1:51 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

STH 29

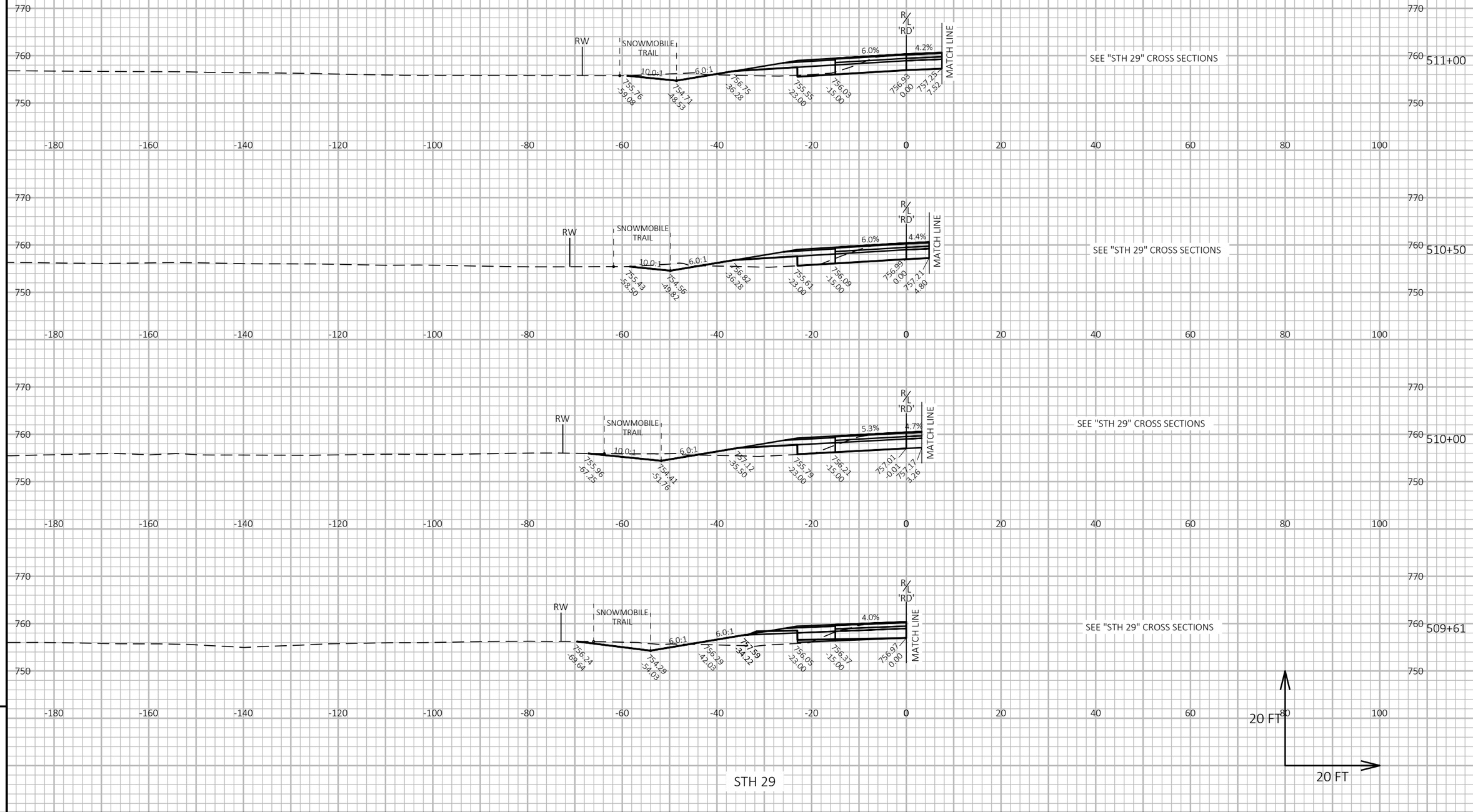


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'C'	SHEET 935	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS WB RAMPS.DWG
LAYOUT NAME - C-7

PLOT DATE : 4/9/2020 1:51 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



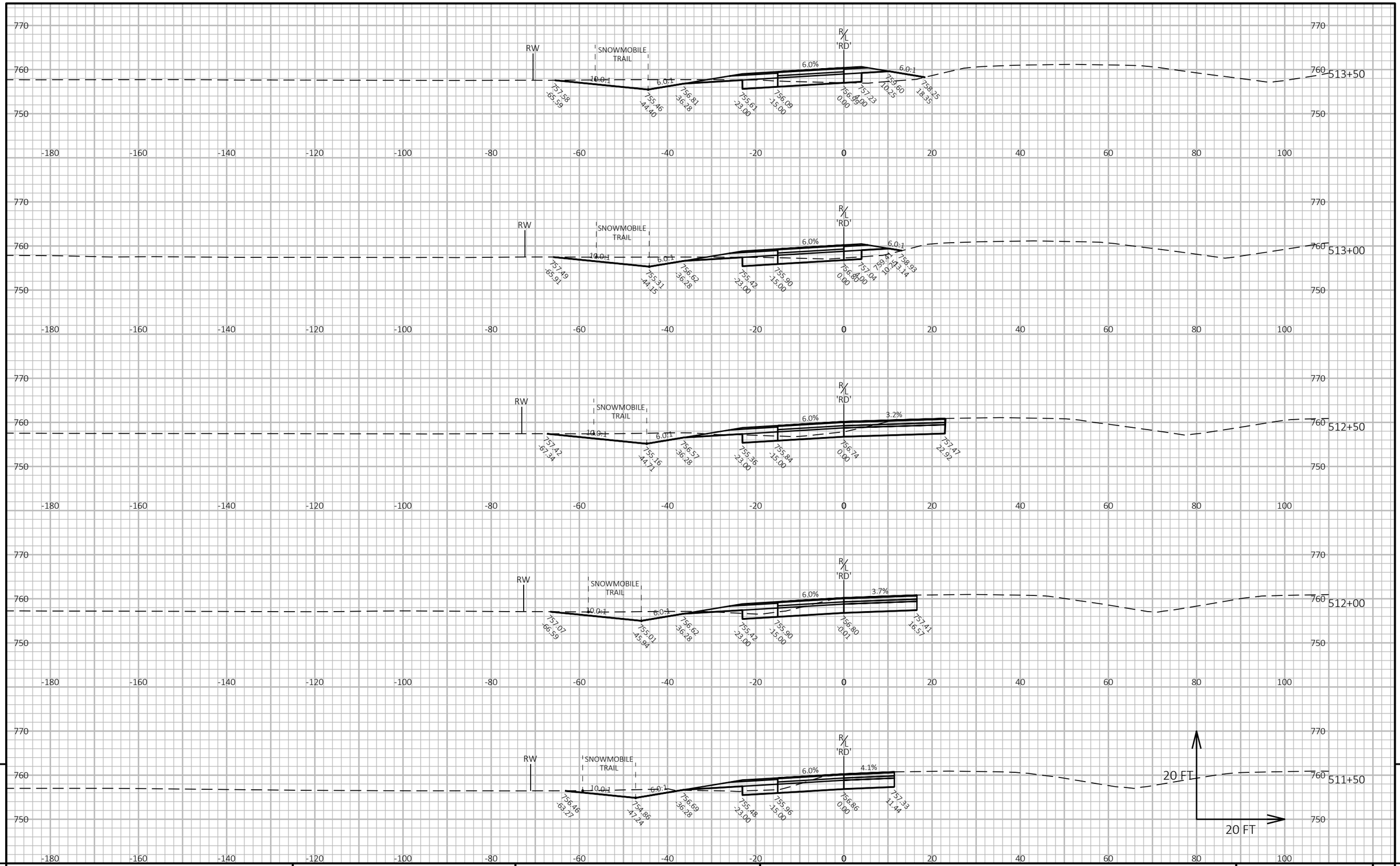
STH 29

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'D'	SHEET 936	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS WB RAMPS.DWG
LAYOUT NAME - D-1

PLOT DATE : 4/9/2020 1:40 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



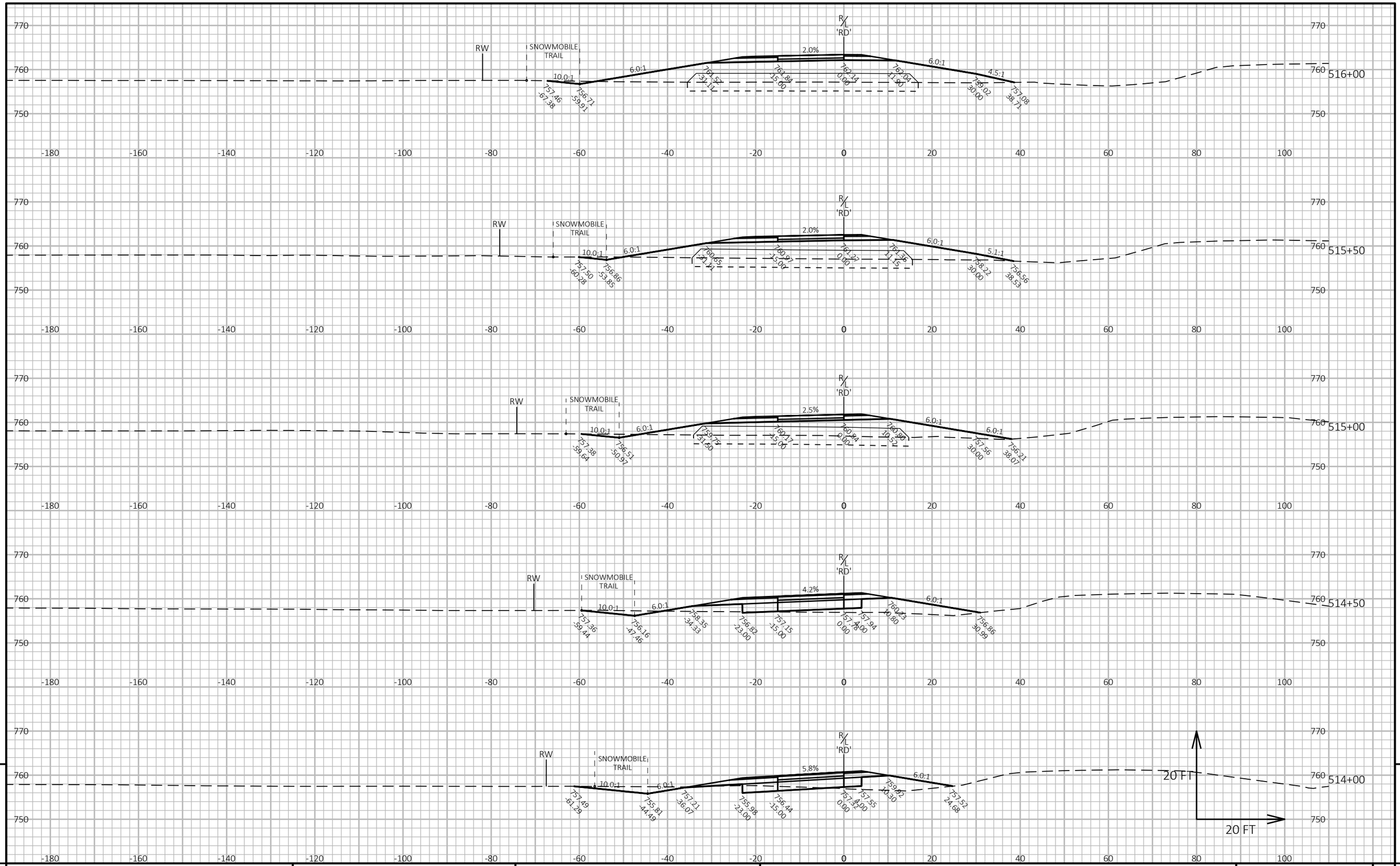
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'D'	SHEET 937	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS WB RAMPS.DWG
LAYOUT NAME - D-2

PLOT DATE : 4/9/2020 1:40 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

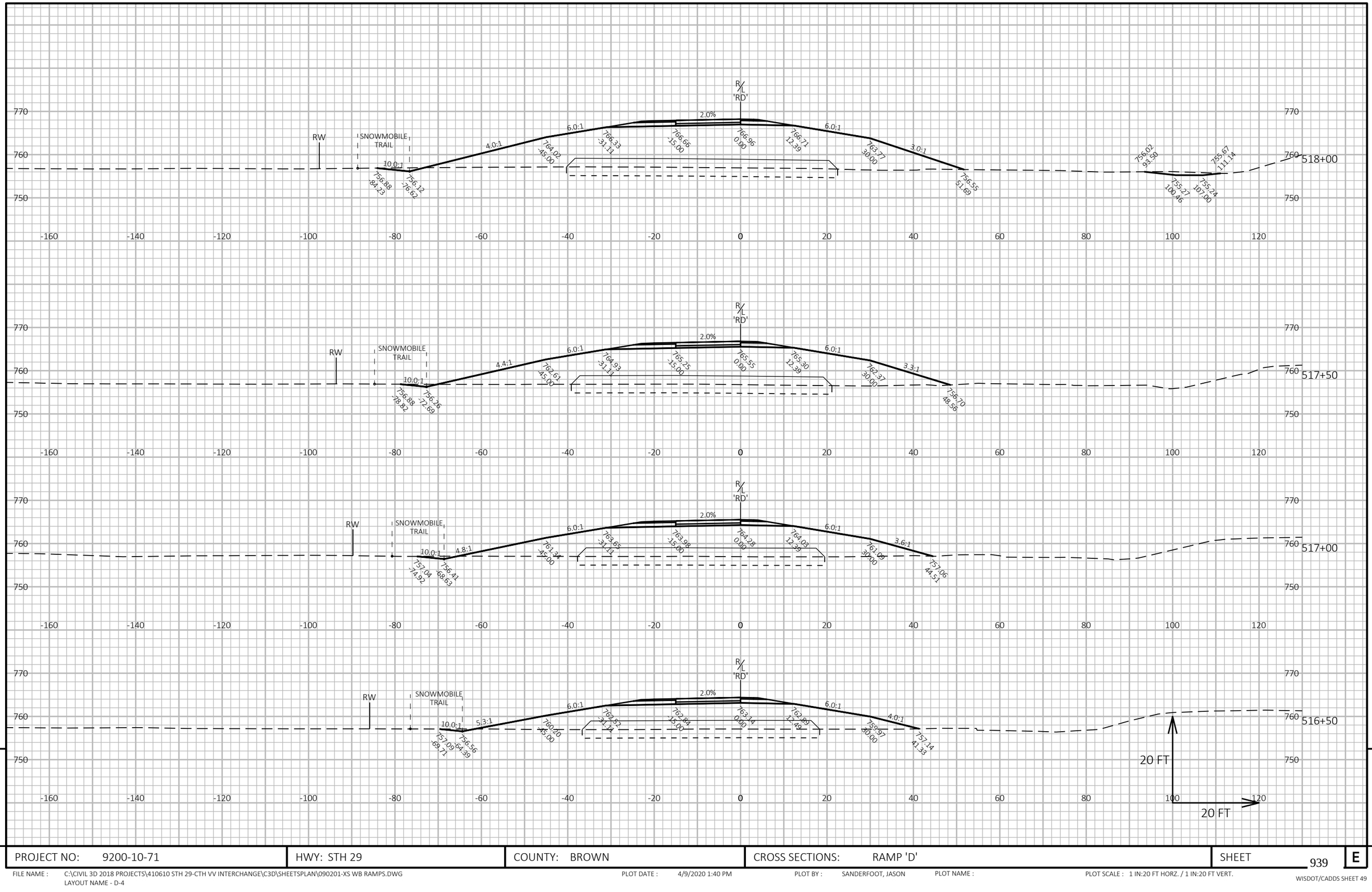


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'D'	SHEET 938	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS WB RAMPS.DWG
LAYOUT NAME - D-3

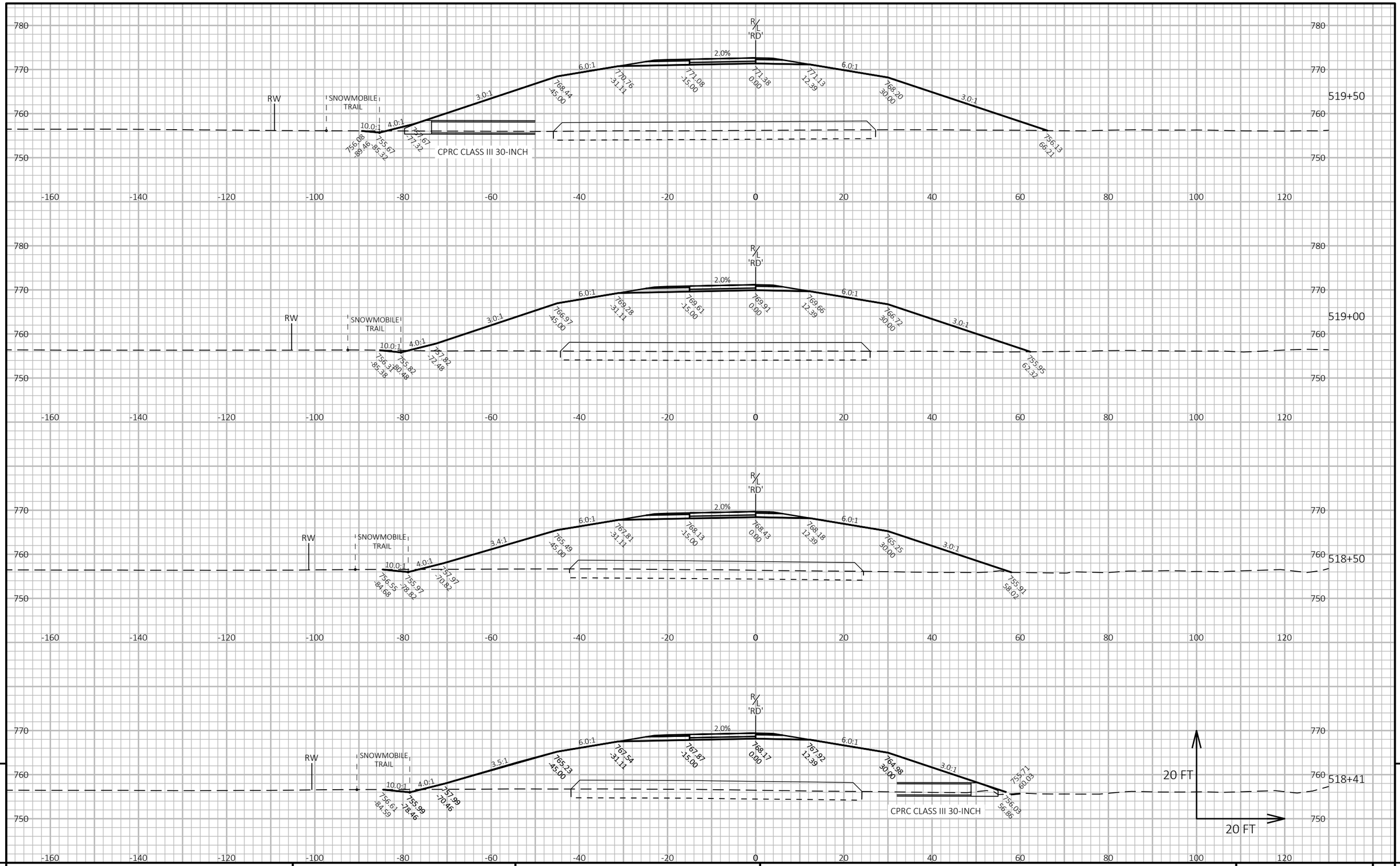
PLOT DATE : 4/9/2020 1:40 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'D'	SHEET 939	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS WB RAMPS.DWG
LAYOUT NAME - D-4
PLOT DATE : 4/9/2020 1:40 PM
PLOT BY : SANDERFOOT, JASON
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

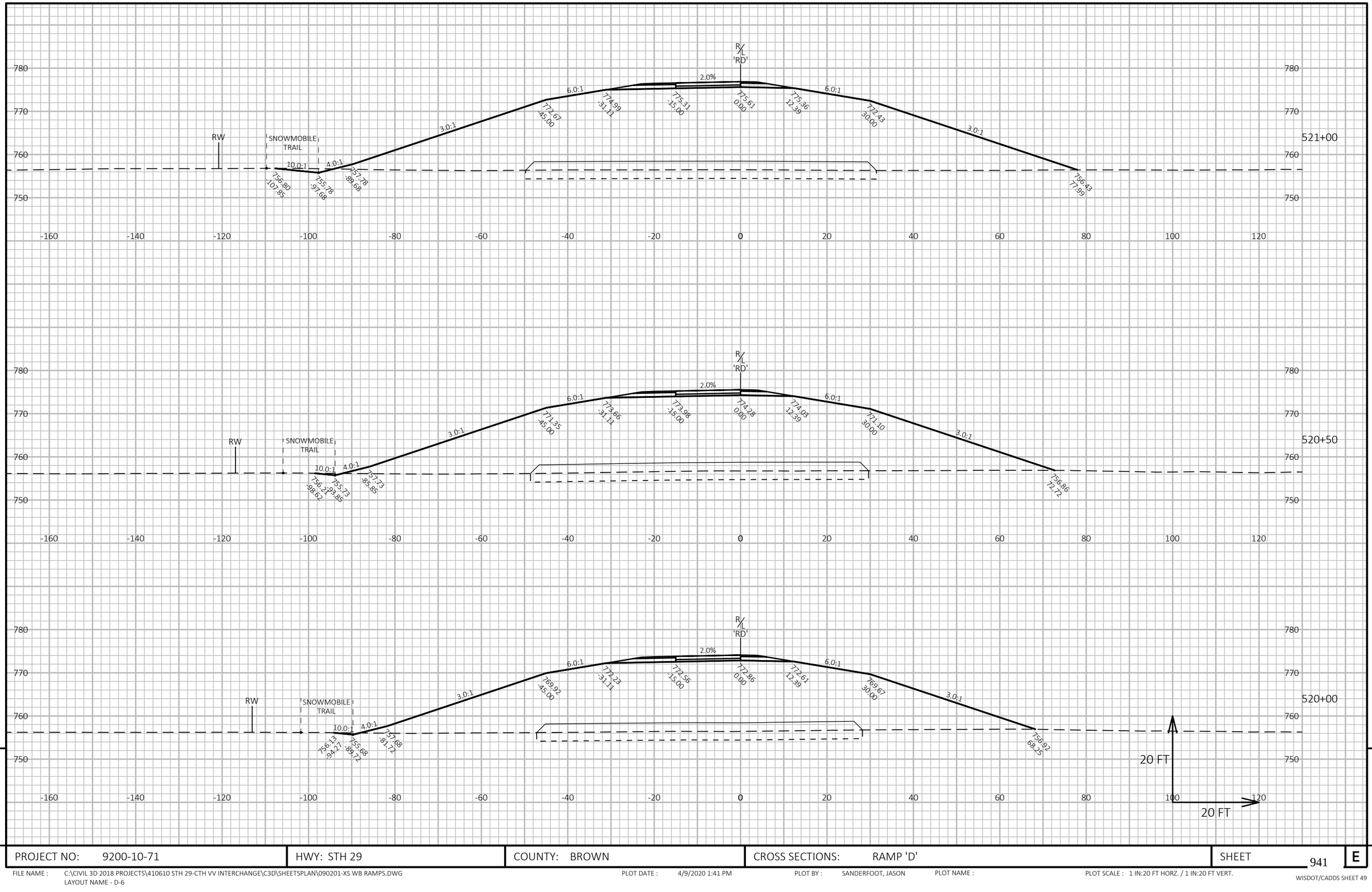
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'D'	SHEET 940	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS WB RAMPS.DWG
LAYOUT NAME - D-5

PLOT DATE : 4/9/2020 1:41 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

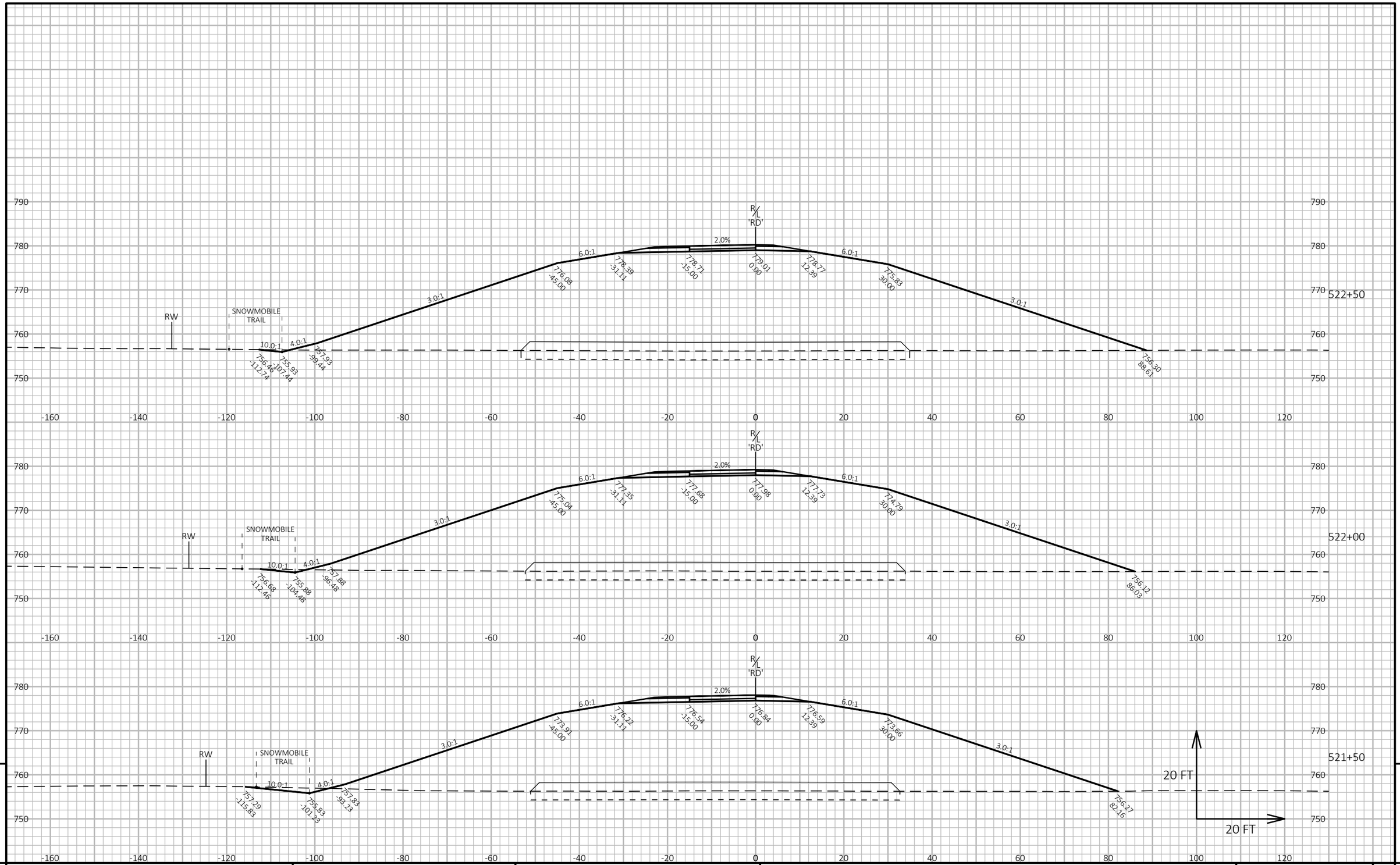


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'D'	SHEET 941 E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS WB RAMPS.DWG
LAYOUT NAME - D-6

PLOT DATE : 4/9/2020 1:41 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

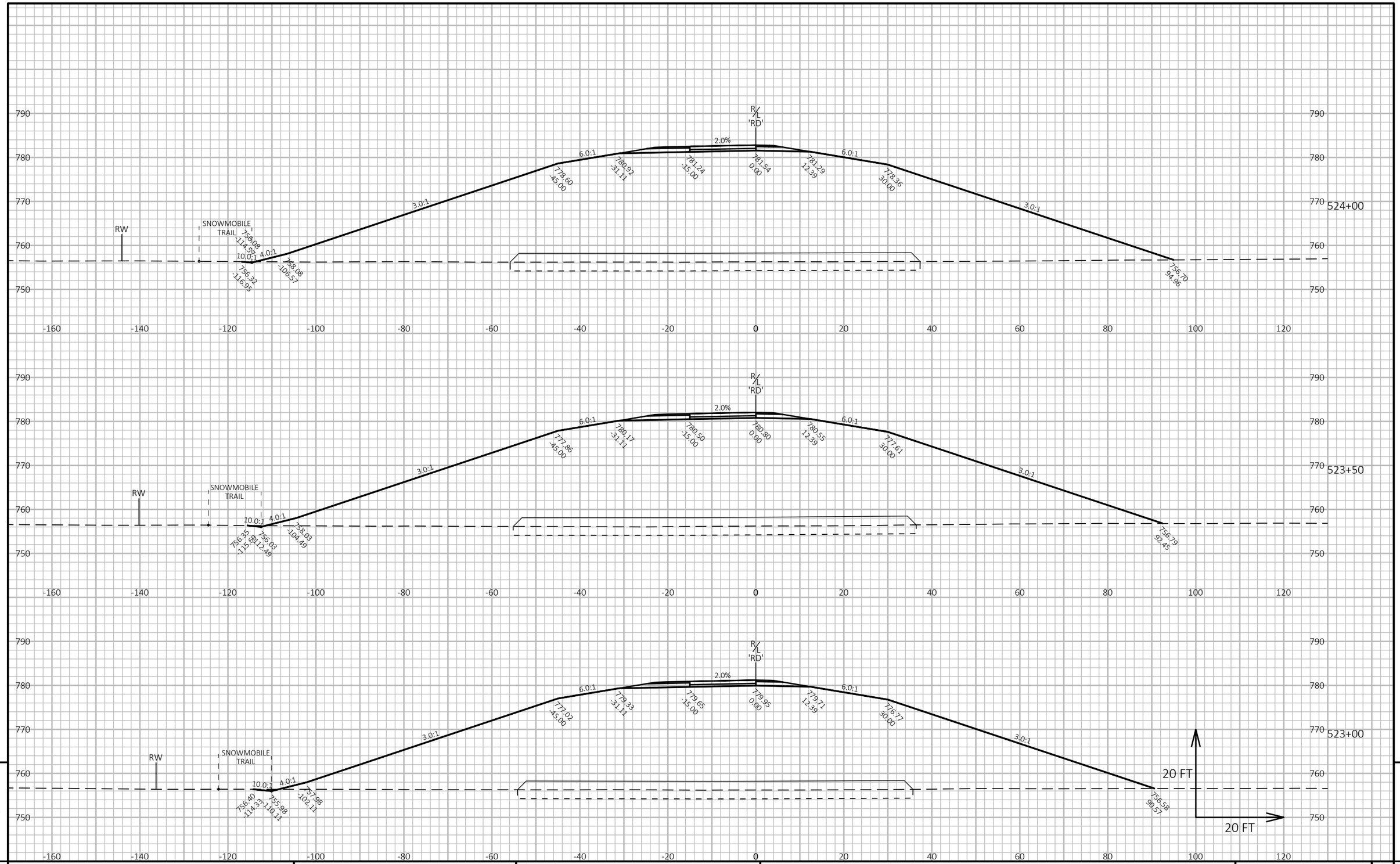


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'D'	SHEET 942 E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS WB RAMPS.DWG
LAYOUT NAME - D-7

PLOT DATE : 4/9/2020 1:41 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



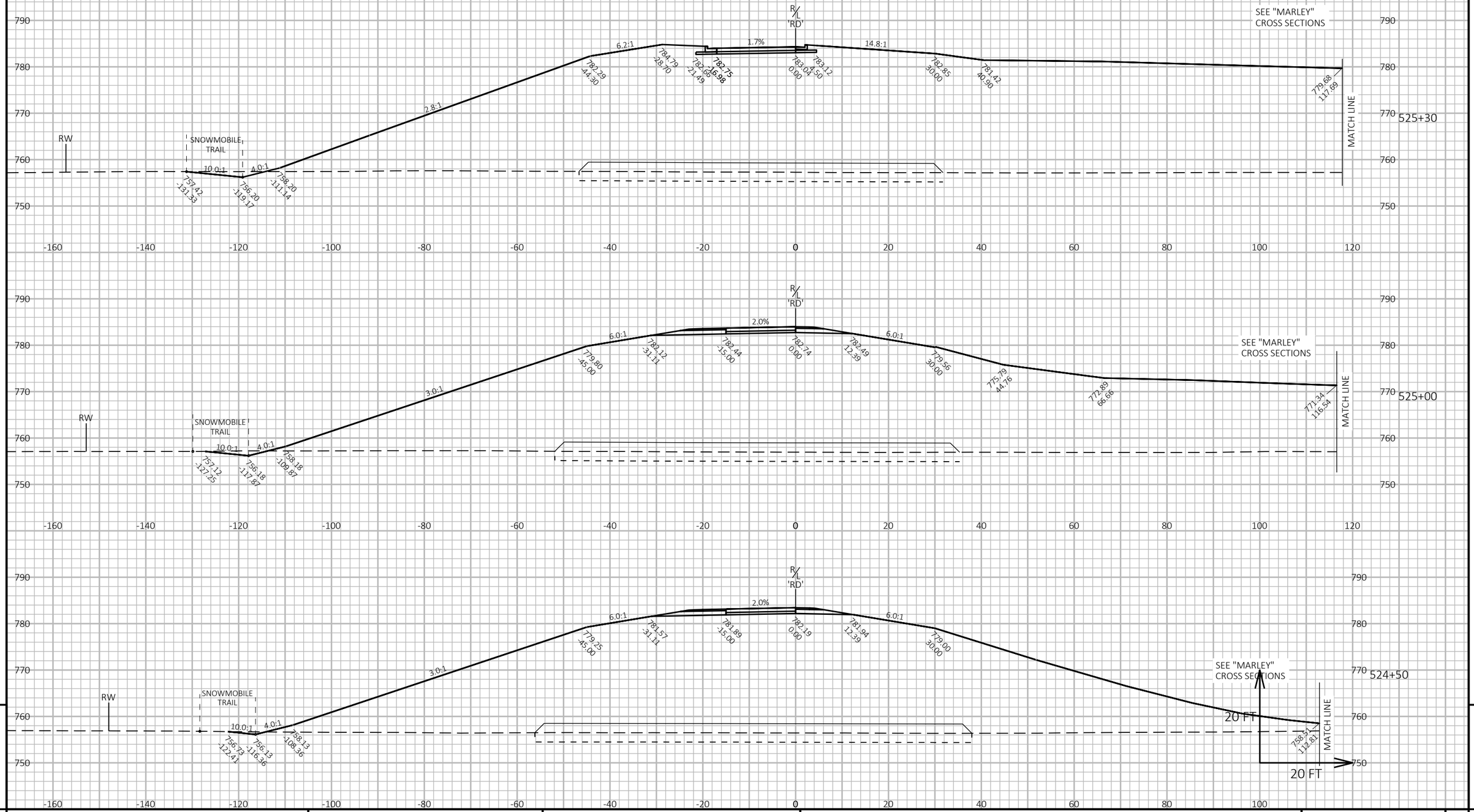
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'D'	SHEET 943 E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS WB RAMPS.DWG
LAYOUT NAME - D-8

PLOT DATE : 4/9/2020 1:41 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

MARLEY ST./WB RAMPS ROUNDABOUT

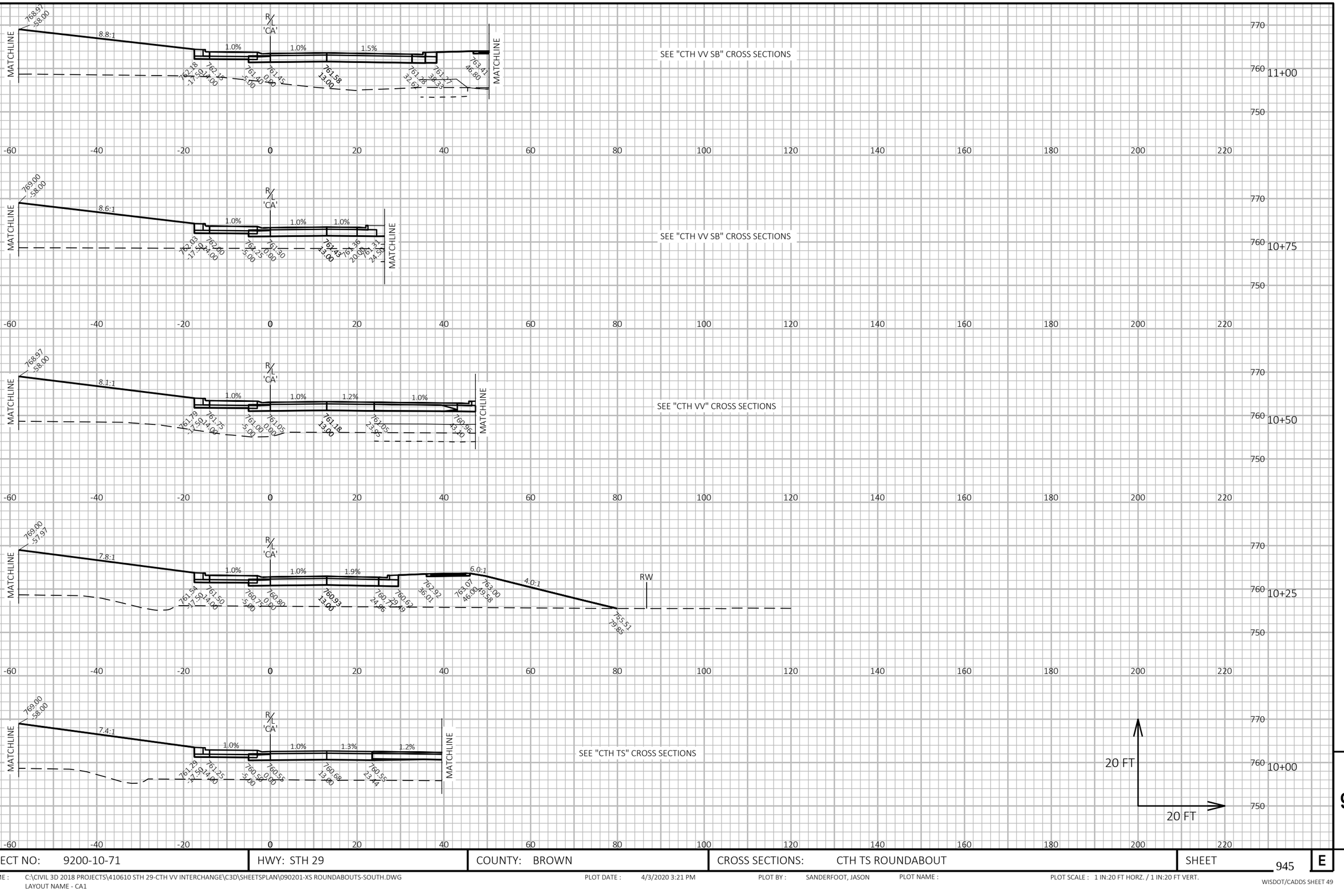


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: RAMP 'D'	SHEET 944	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS WB RAMPS.DWG
LAYOUT NAME - D-9

PLOT DATE : 4/9/2020 1:41 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

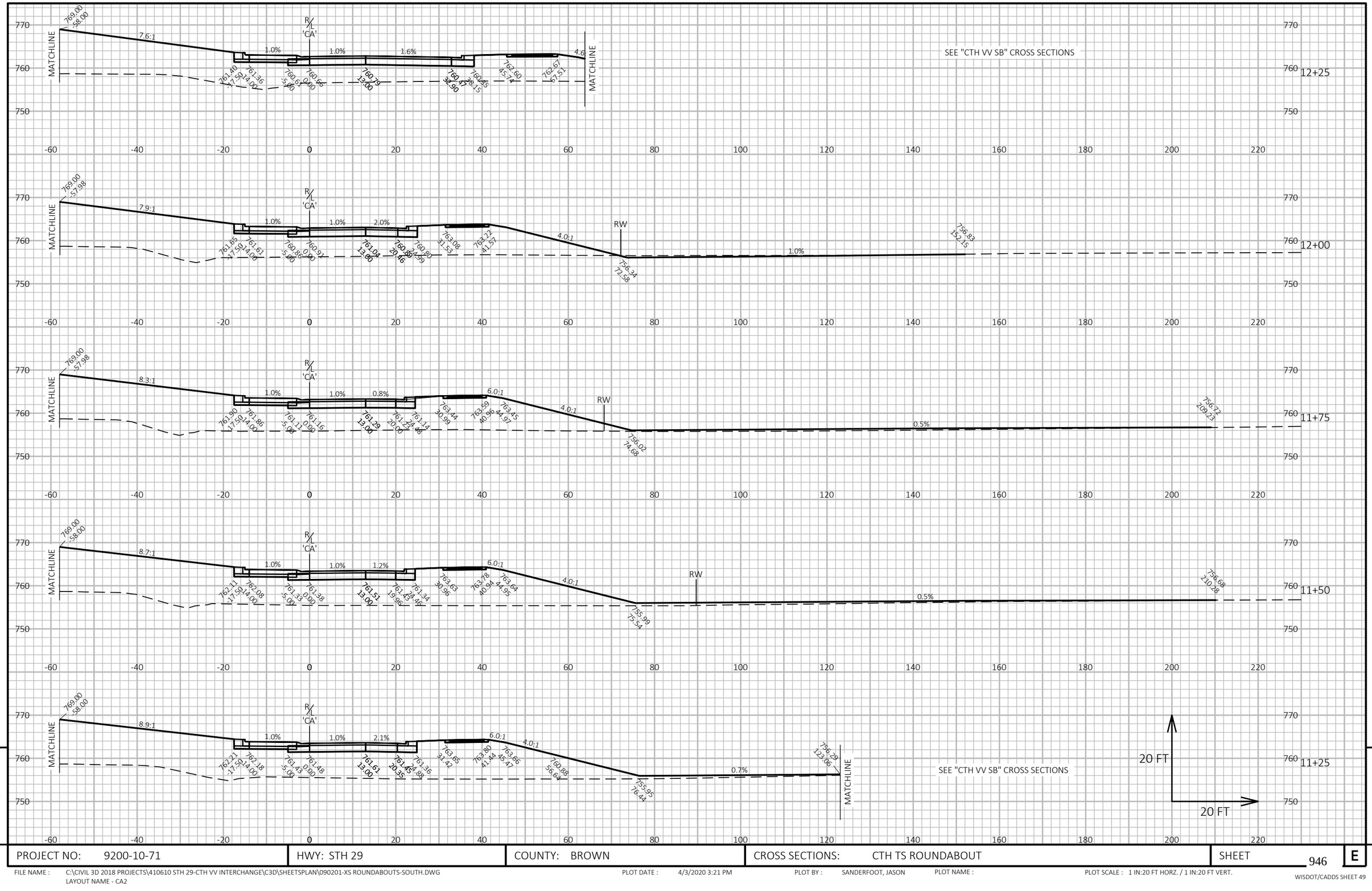
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH TS ROUNDABOUT	SHEET 945	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS ROUNDABOUTS-SOUTH.DWG
LAYOUT NAME - CA1

PLOT DATE : 4/3/2020 3:21 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH TS ROUNDABOUT	SHEET 946	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS ROUNDABOUTS-SOUTH.DWG
LAYOUT NAME - CA2

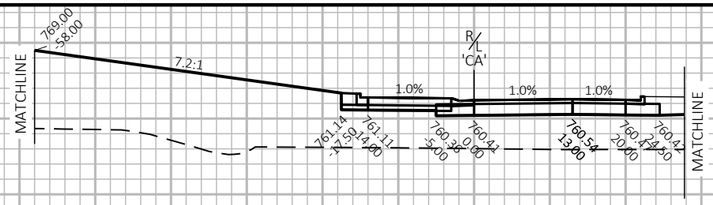
PLOT DATE : 4/3/2020 3:21 PM

PLOT BY : SANDERFOOT, JASON

PLOT NAME :

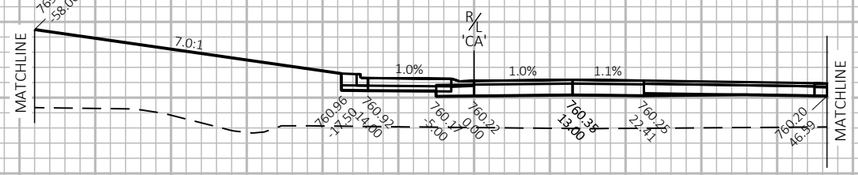
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



SEE "CTH TS" CROSS SECTIONS

13+50

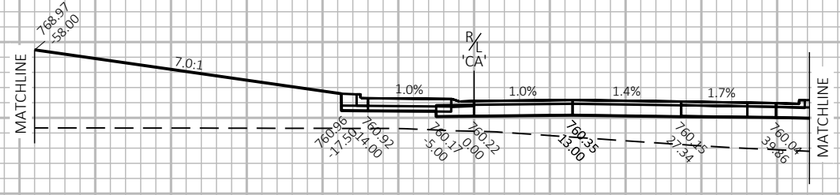


SEE "CTH TS" CROSS SECTIONS

13+25

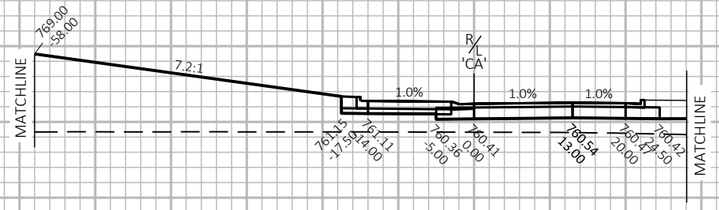


13+00



SEE "CTH VV" CROSS SECTIONS

12+75



SEE "CTH VV SB" CROSS SECTIONS

12+50

20 FT

20 FT

9

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH TS ROUNDABOUT	SHEET 947	E

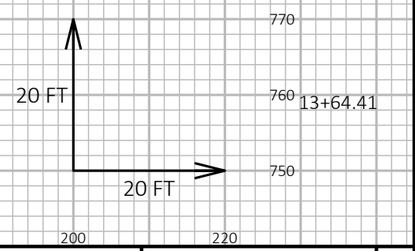
FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS ROUNDABOUTS-SOUTH.DWG
LAYOUT NAME - CA3

PLOT DATE : 4/3/2020 3:21 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



SEE "CTH TS" CROSS SECTIONS



9

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH TS ROUNDABOUT	SHEET 948	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS ROUNDABOUTS-SOUTH.DWG
LAYOUT NAME - CA4

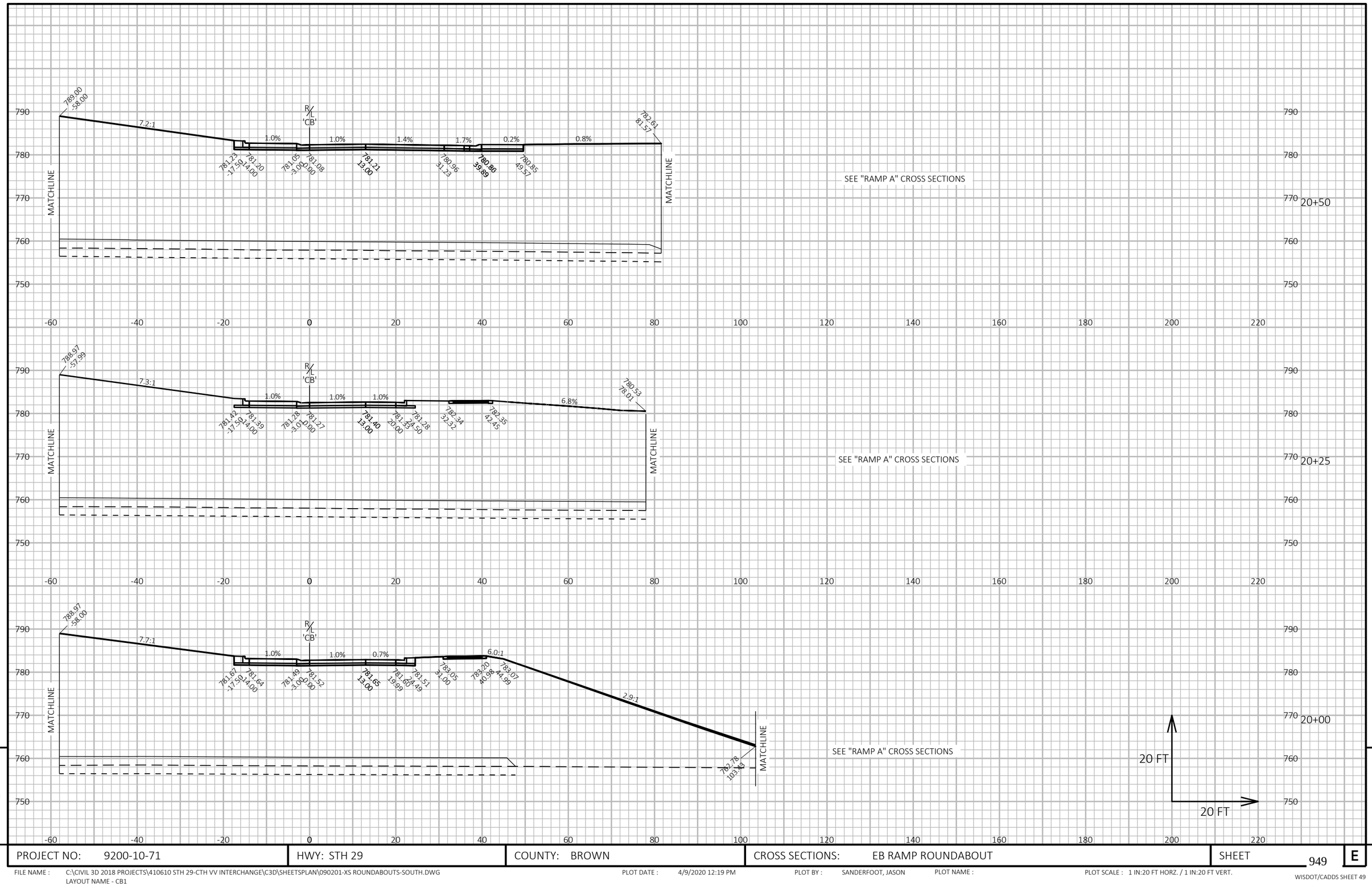
PLOT DATE : 4/3/2020 3:21 PM

PLOT BY : SANDERFOOT, JASON

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

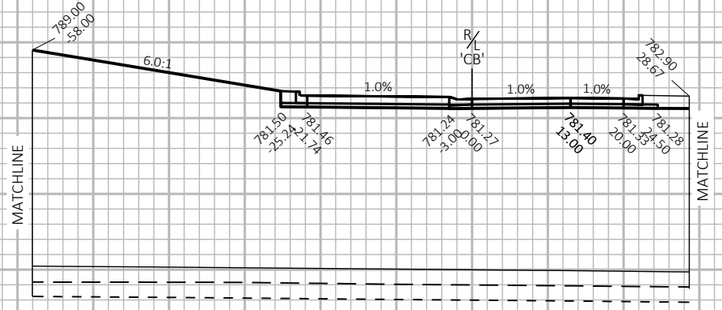
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EB RAMP ROUNDABOUT	SHEET 949	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS ROUNDABOUTS-SOUTH.DWG
LAYOUT NAME - CB1

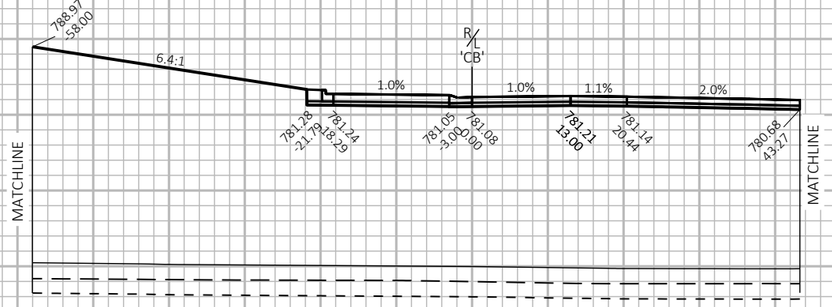
PLOT DATE : 4/9/2020 12:19 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



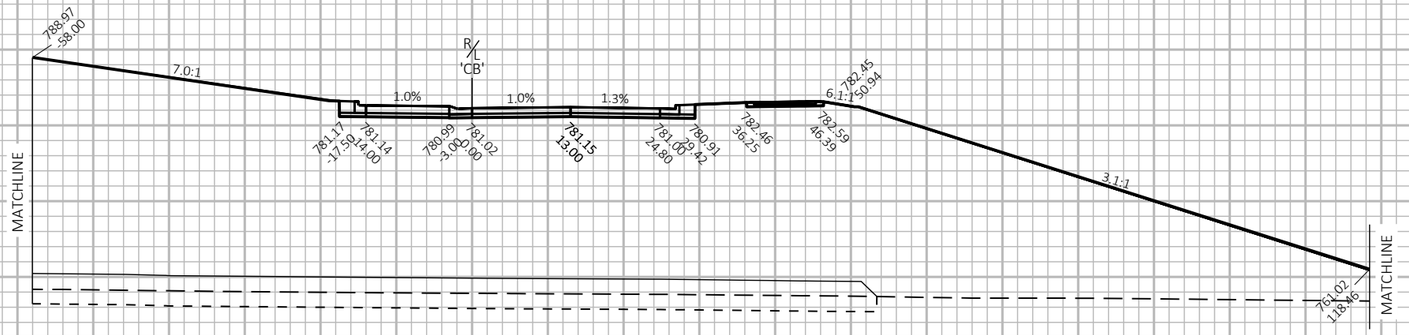
SEE "CTH VV" CROSS SECTIONS

21+25



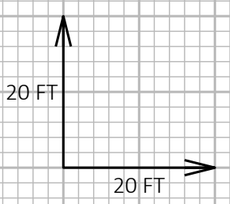
SEE "CTH VV SB" CROSS SECTIONS

21+00



SEE "RAMP A" CROSS SECTIONS

20+75



9

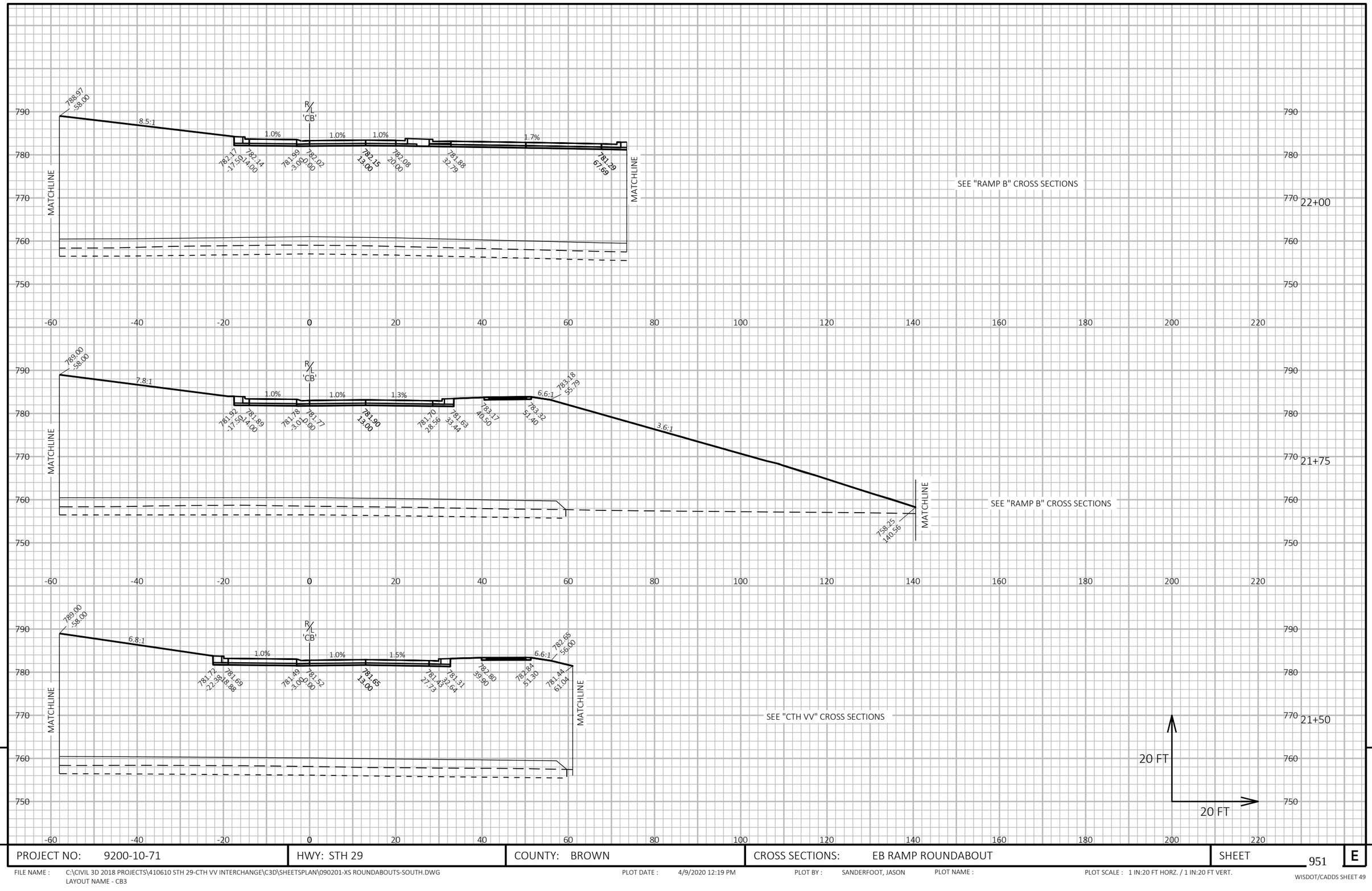
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EB RAMP ROUNDABOUT	SHEET 950	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS ROUNDABOUTS-SOUTH.DWG
LAYOUT NAME - CB2

PLOT DATE : 4/9/2020 12:19 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

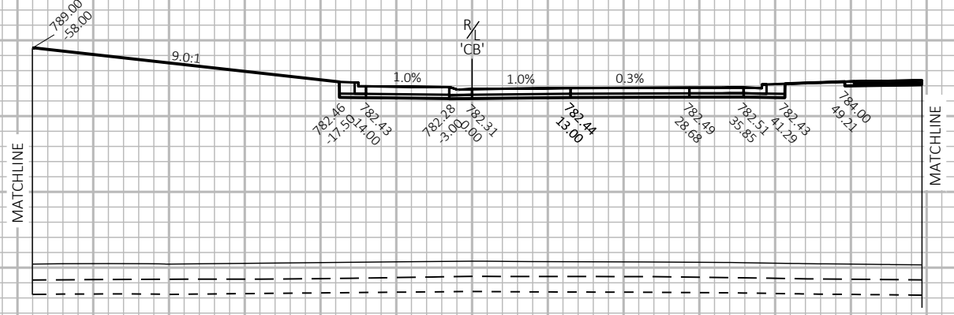
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EB RAMP ROUNDABOUT	SHEET 951	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS ROUNDABOUTS-SOUTH.DWG
LAYOUT NAME - CB3

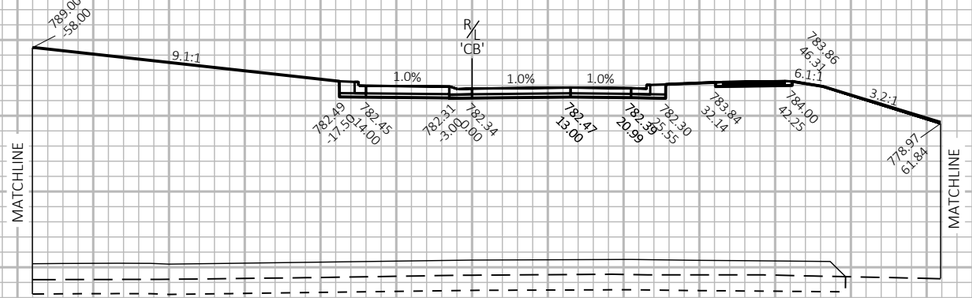
PLOT DATE : 4/9/2020 12:19 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



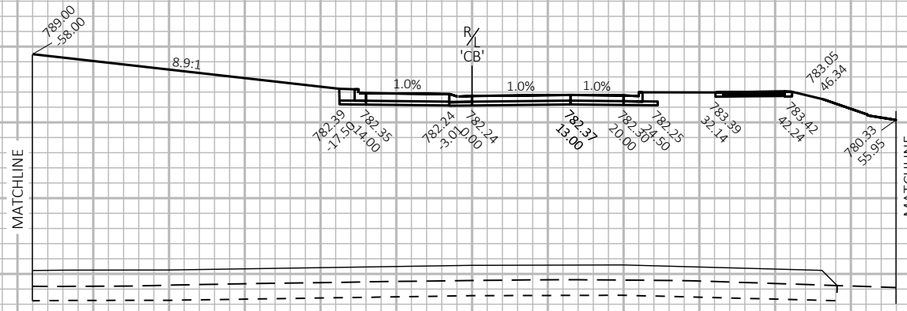
SEE "CTH VV" CROSS SECTIONS

22+75



SEE "RAMP B" CROSS SECTIONS

22+50



SEE "RAMP B" CROSS SECTIONS

22+25

20 FT

20 FT

9

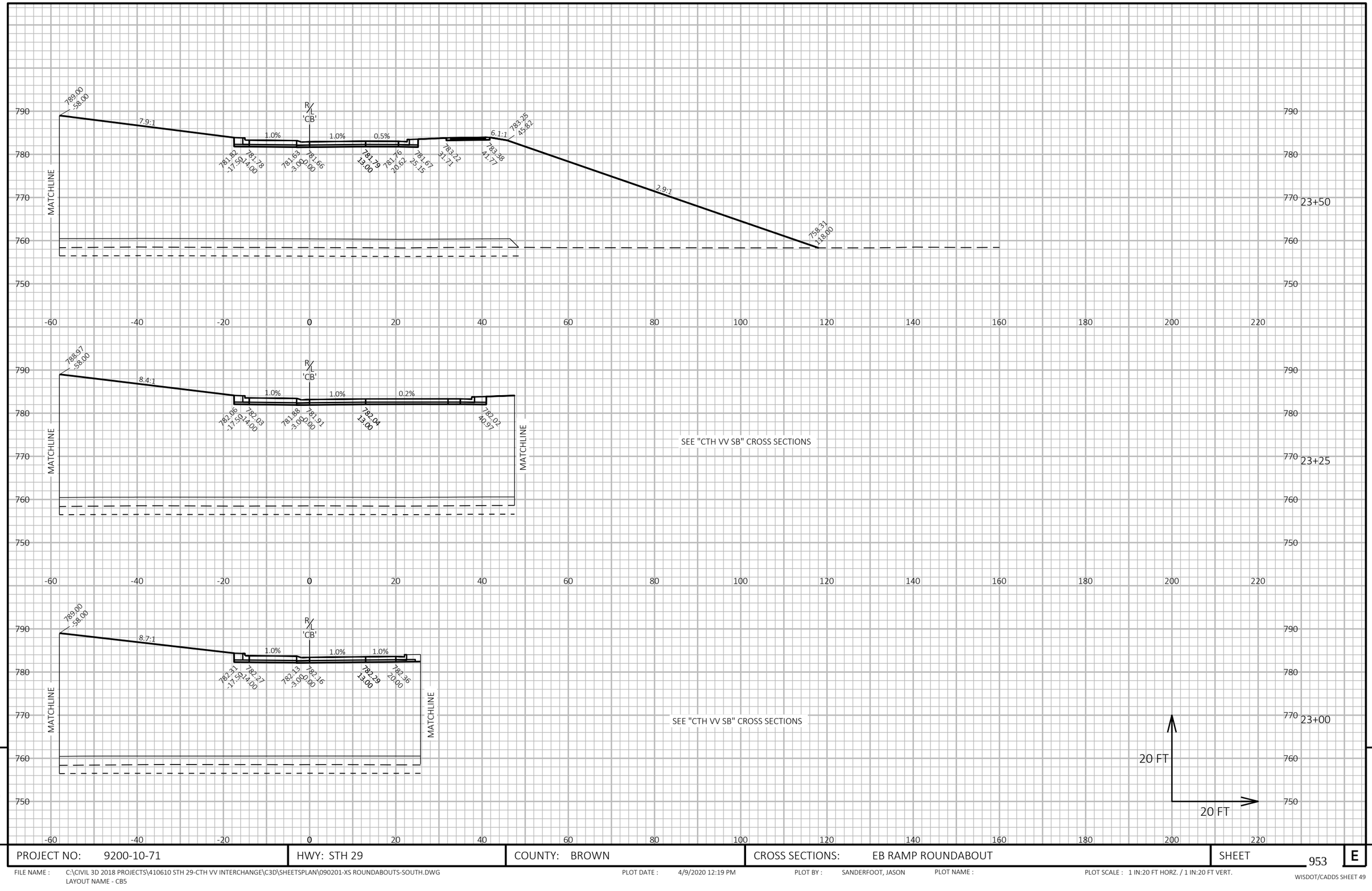
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EB RAMP ROUNDABOUT	SHEET 952	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS ROUNDABOUTS-SOUTH.DWG
LAYOUT NAME - CB4

PLOT DATE : 4/9/2020 12:19 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

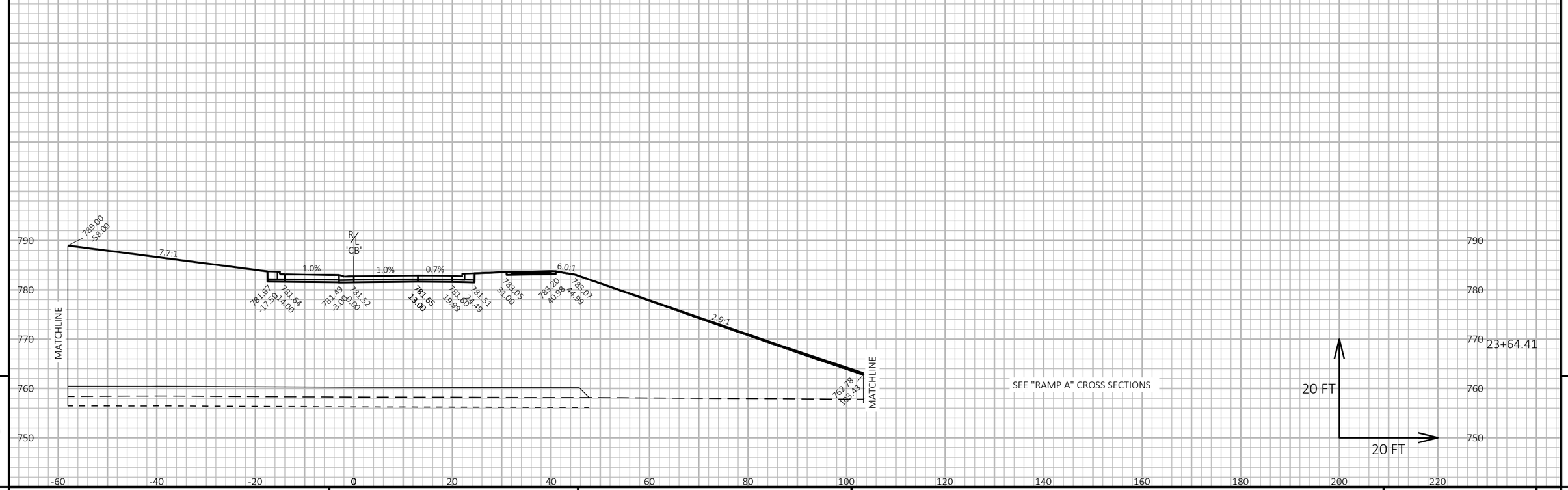
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EB RAMP ROUNDABOUT	SHEET 953	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS ROUNDABOUTS-SOUTH.DWG
LAYOUT NAME - CB5

PLOT DATE : 4/9/2020 12:19 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

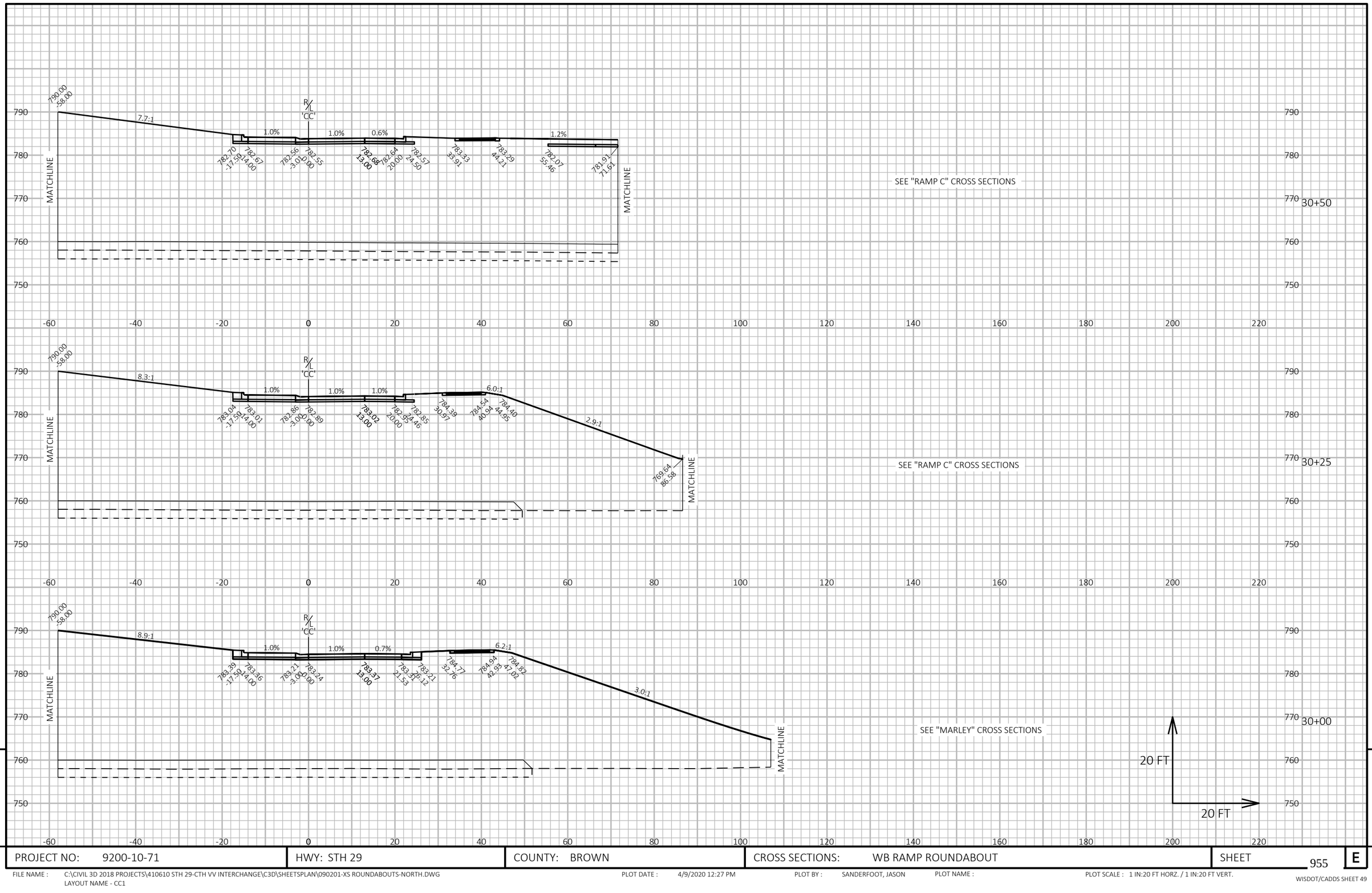


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EB RAMP ROUNDABOUT	SHEET 954	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS ROUNDABOUTS-SOUTH.DWG
LAYOUT NAME - CB6

PLOT DATE : 4/9/2020 12:19 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: WB RAMP ROUNDABOUT	SHEET 955	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS ROUNDABOUTS-NORTH.DWG
LAYOUT NAME - CC1

PLOT DATE : 4/9/2020 12:27 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

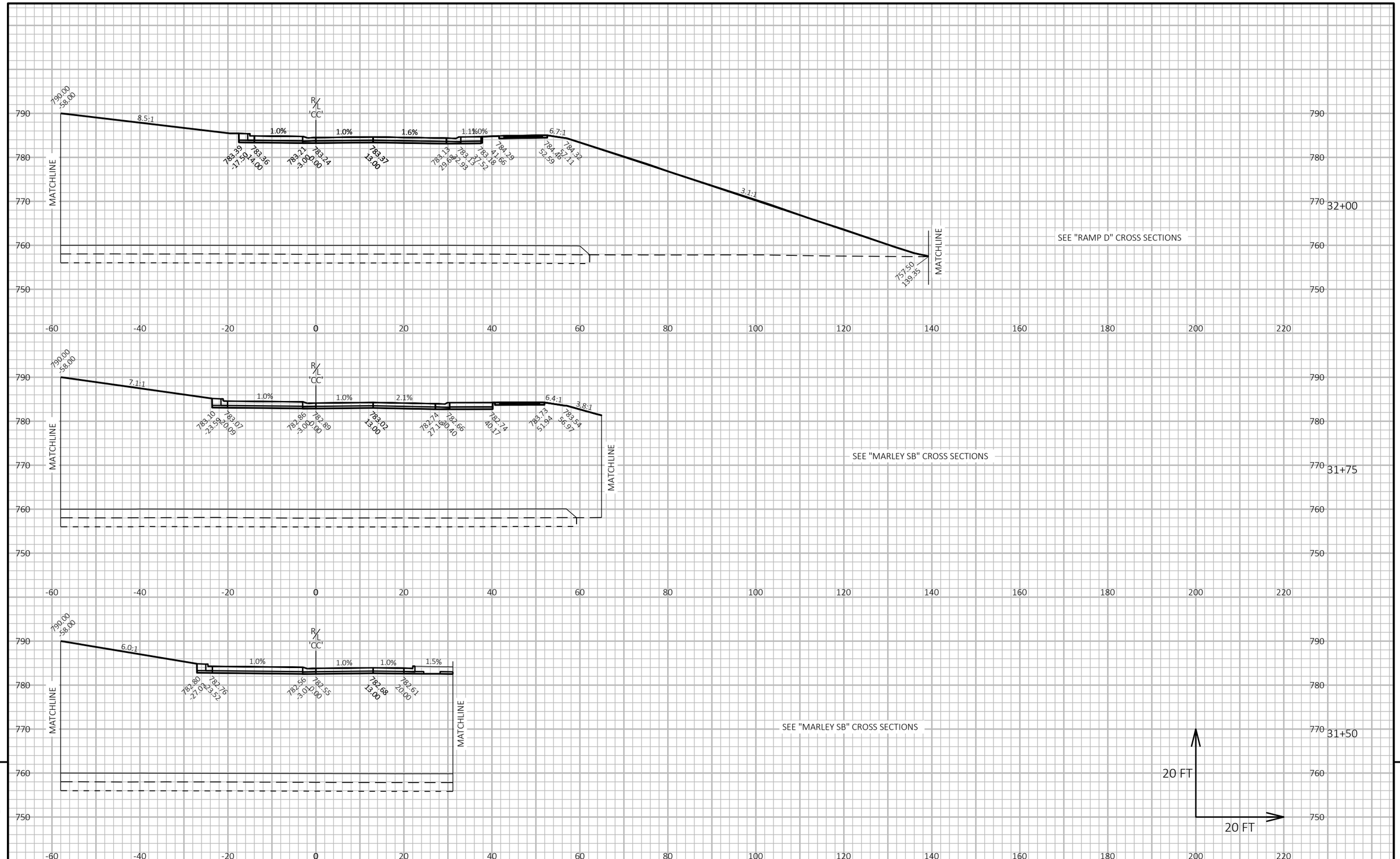
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: WB RAMP ROUNDABOUT	SHEET 956	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS ROUNDABOUTS-NORTH.DWG
LAYOUT NAME - CC2

PLOT DATE : 4/9/2020 12:27 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



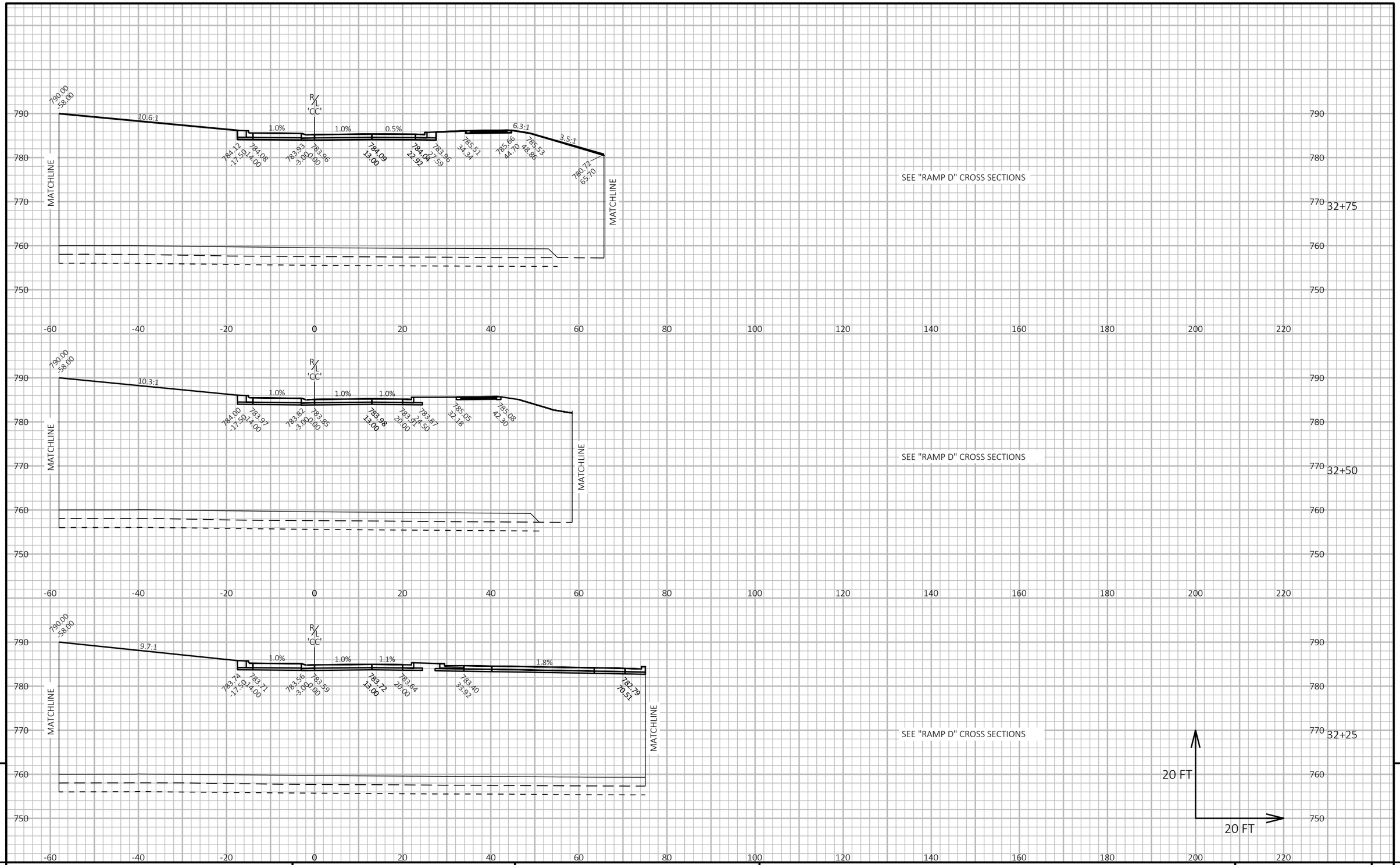
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9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: WB RAMP ROUNDABOUT	SHEET 957	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS ROUNDABOUTS-NORTH.DWG
LAYOUT NAME - CC3

PLOT DATE : 4/9/2020 12:27 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

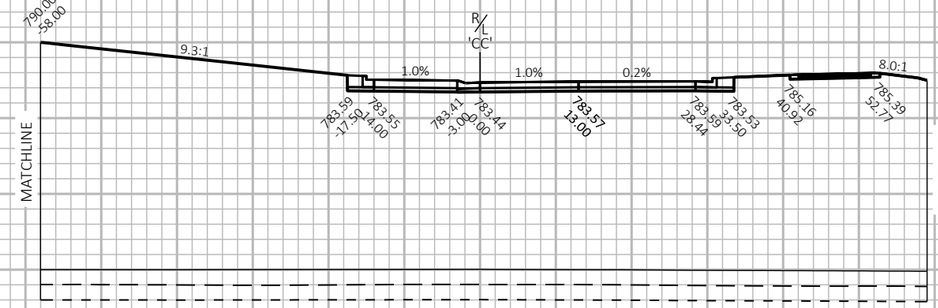
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: WB RAMP ROUNDABOUT	SHEET 958	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS ROUNDABOUTS-NORTH.DWG
LAYOUT NAME - CC4

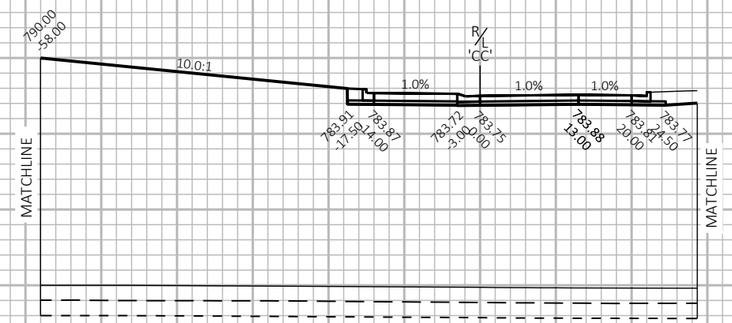
PLOT DATE : 4/9/2020 12:27 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



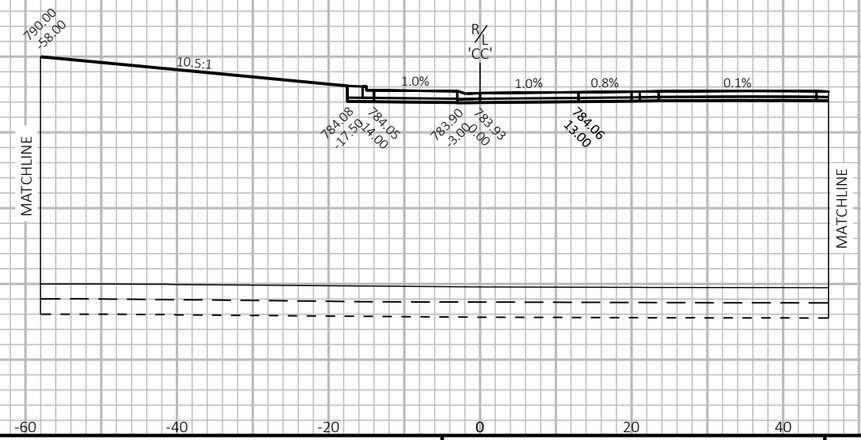
SEE "MARLEY" CROSS SECTIONS

33+50



SEE "MARLEY" CROSS SECTIONS

33+25



SEE "MARLEY SB" CROSS SECTIONS

33+00

20 FT

20 FT

9

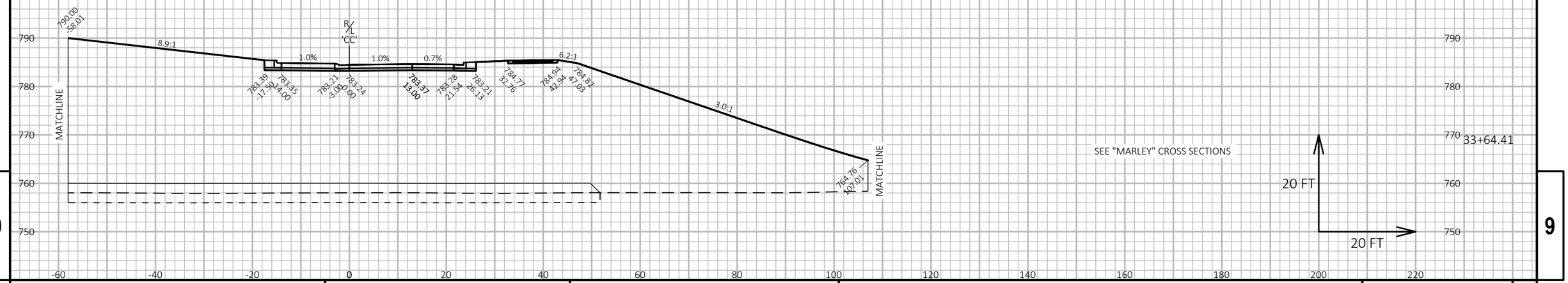
9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: WB RAMP ROUNDABOUT	SHEET 959	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS ROUNDABOUTS-NORTH.DWG
LAYOUT NAME - CC5

PLOT DATE : 4/9/2020 12:28 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

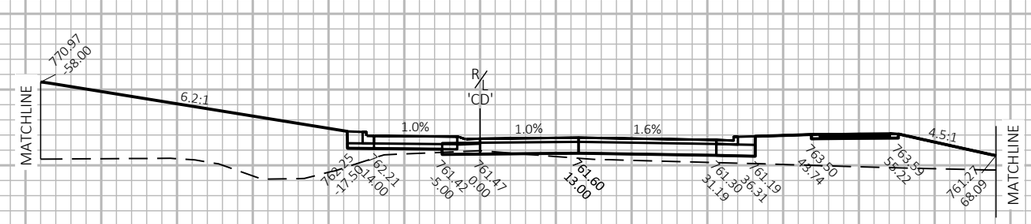
9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: WB RAMP ROUNDABOUT	SHEET 960	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS ROUNDABOUTS-NORTH.DWG
LAYOUT NAME - CC6

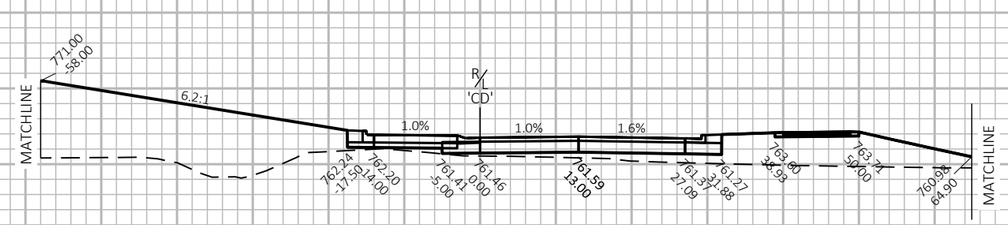
PLOT DATE : 4/9/2020 12:28 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



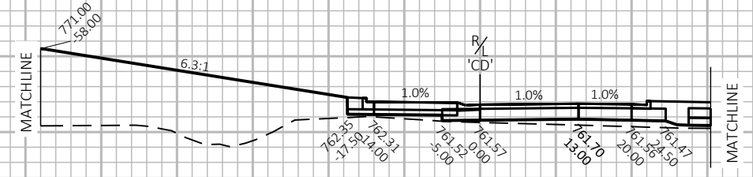
SEE "MARLEY" CROSS SECTIONS

40+75



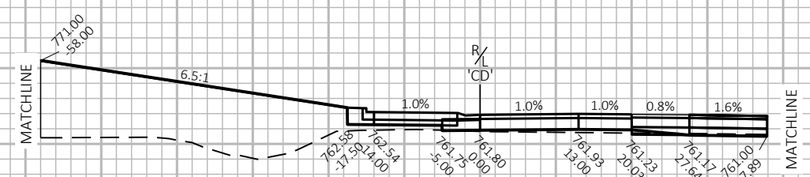
SEE "EVERGREEN SB" CROSS SECTIONS

40+50



SEE "EVERGREEN SB" CROSS SECTIONS

40+25



SEE "EVERGREEN" CROSS SECTIONS

40+00

20 FT

20 FT

9

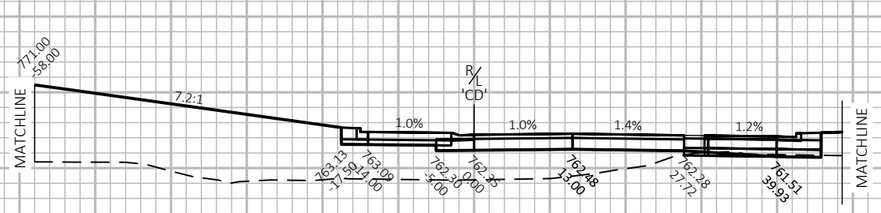
9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE. ROUNDABOUT	SHEET 961	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS ROUNDABOUTS-NORTH.DWG
LAYOUT NAME - CD1

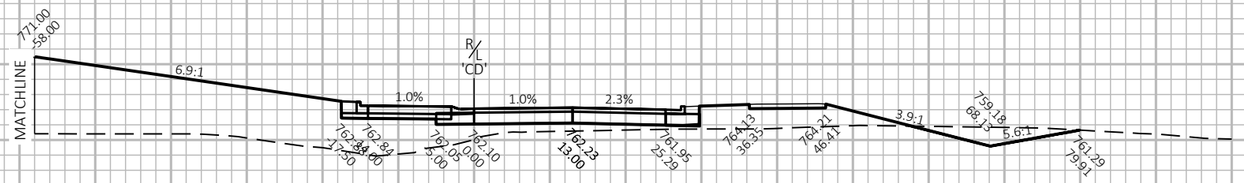
PLOT DATE : 4/3/2020 3:23 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

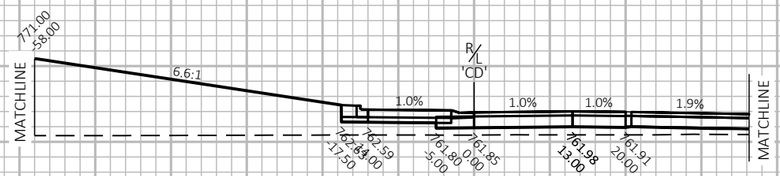


SEE "EVERGREEN SB" CROSS SECTIONS

41+75

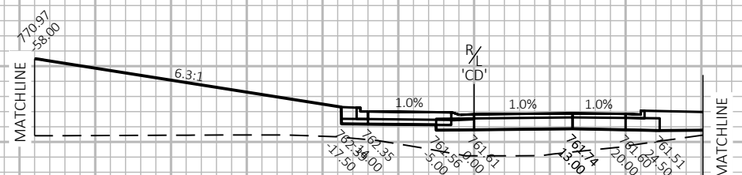


41+50



SEE "MARLEY SB" CROSS SECTIONS

41+25



SEE "MARLEY" CROSS SECTIONS

41+00

20 FT

20 FT

9

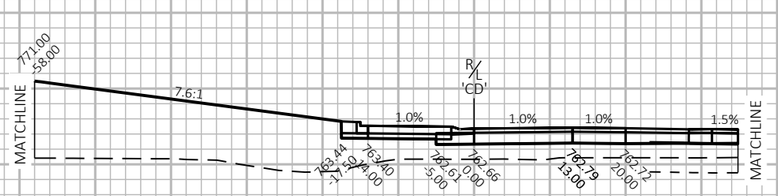
9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE. ROUNDABOUT	SHEET 962	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS ROUNDABOUTS-NORTH.DWG
LAYOUT NAME - CD2

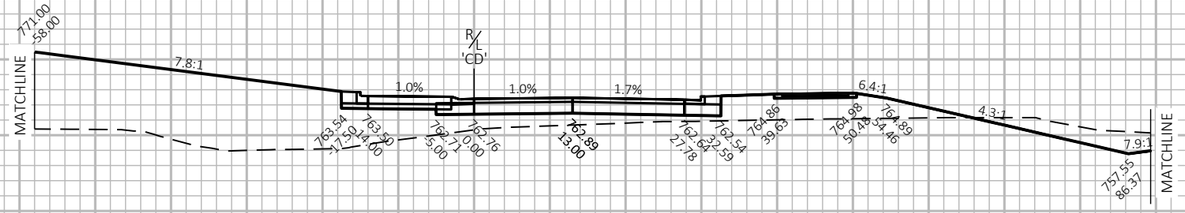
PLOT DATE : 4/3/2020 3:23 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



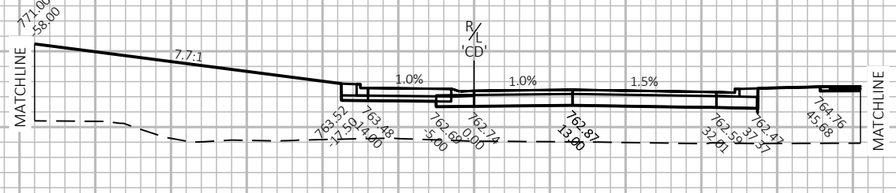
SEE "MARLEY SB" CROSS SECTIONS

42+75



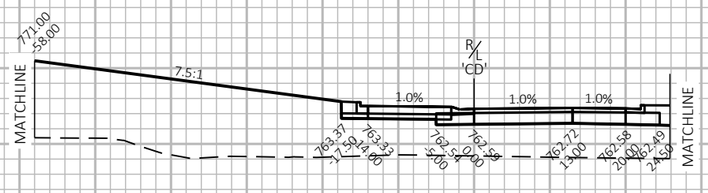
SEE "MARLEY SB" CROSS SECTIONS

42+50



SEE "EVERGREEN" CROSS SECTIONS

42+25



SEE "EVERGREEN" CROSS SECTIONS

42+00

20 FT

20 FT

9

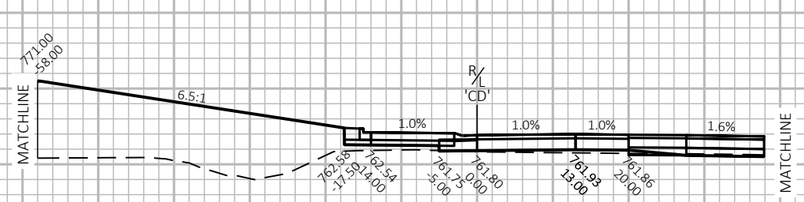
9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE. ROUNDABOUT	SHEET 963	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS ROUNDABOUTS-NORTH.DWG
LAYOUT NAME - CD3

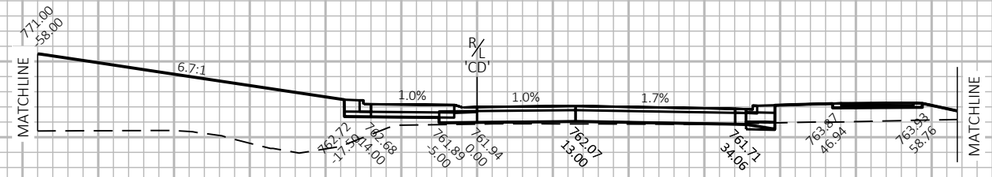
PLOT DATE : 4/3/2020 3:23 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



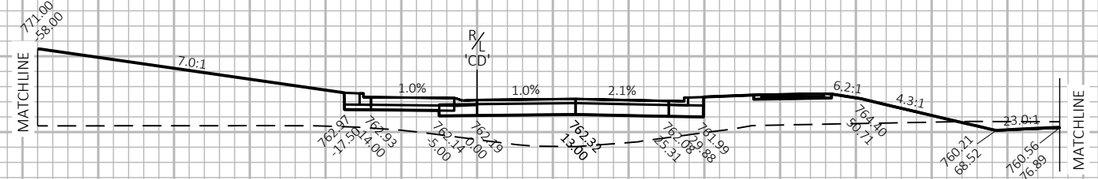
SEE "EVERGREEN" CROSS SECTIONS

43+64.41



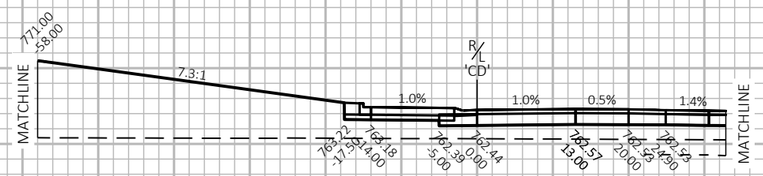
SEE "EVERGREEN" CROSS SECTIONS

43+50



SEE "MARLEY" CROSS SECTIONS

43+25



SEE "MARLEY" CROSS SECTIONS

43+00

20 FT

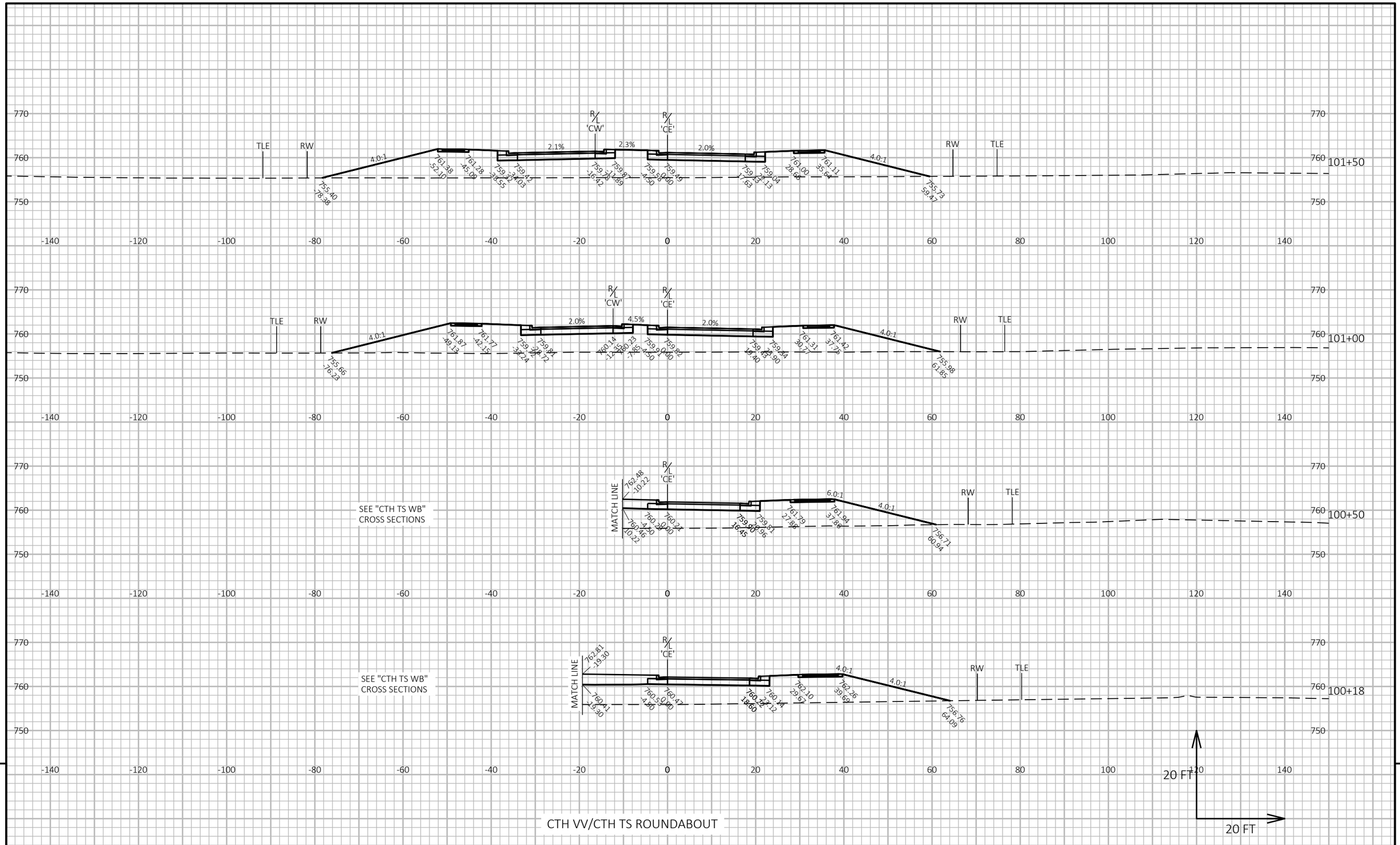
20 FT

9

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE. ROUNDABOUT	SHEET 964	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS ROUNDABOUTS-NORTH.DWG
LAYOUT NAME - CD4
PLOT DATE : 4/3/2020 3:23 PM
PLOT BY : SANDERFOOT, JASON
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

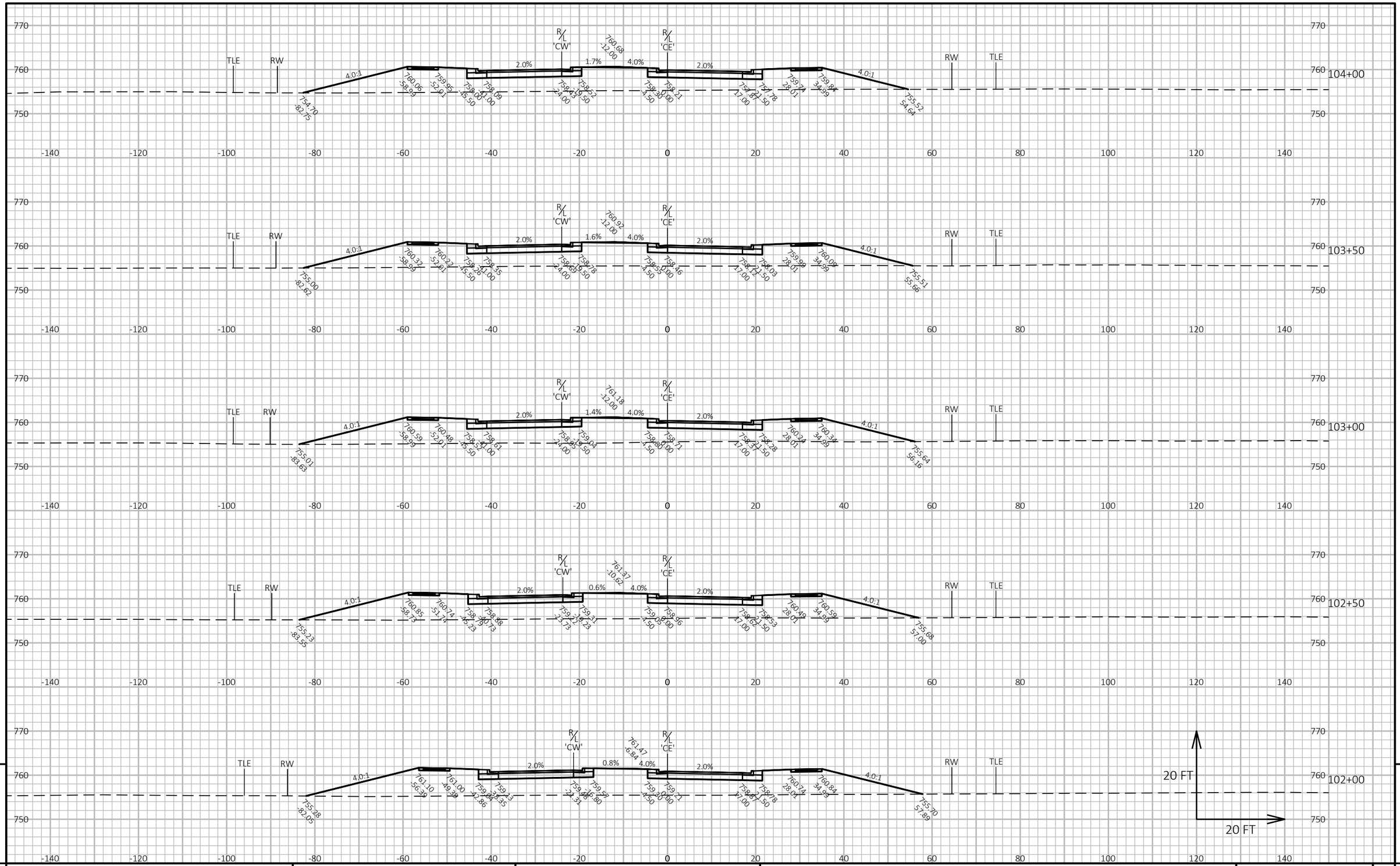


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH TS	SHEET 965	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS CTH TS.DWG
LAYOUT NAME - CE1

PLOT DATE : 4/8/2020 5:35 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH TS	SHEET 966	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS CTH TS.DWG
LAYOUT NAME - CE2

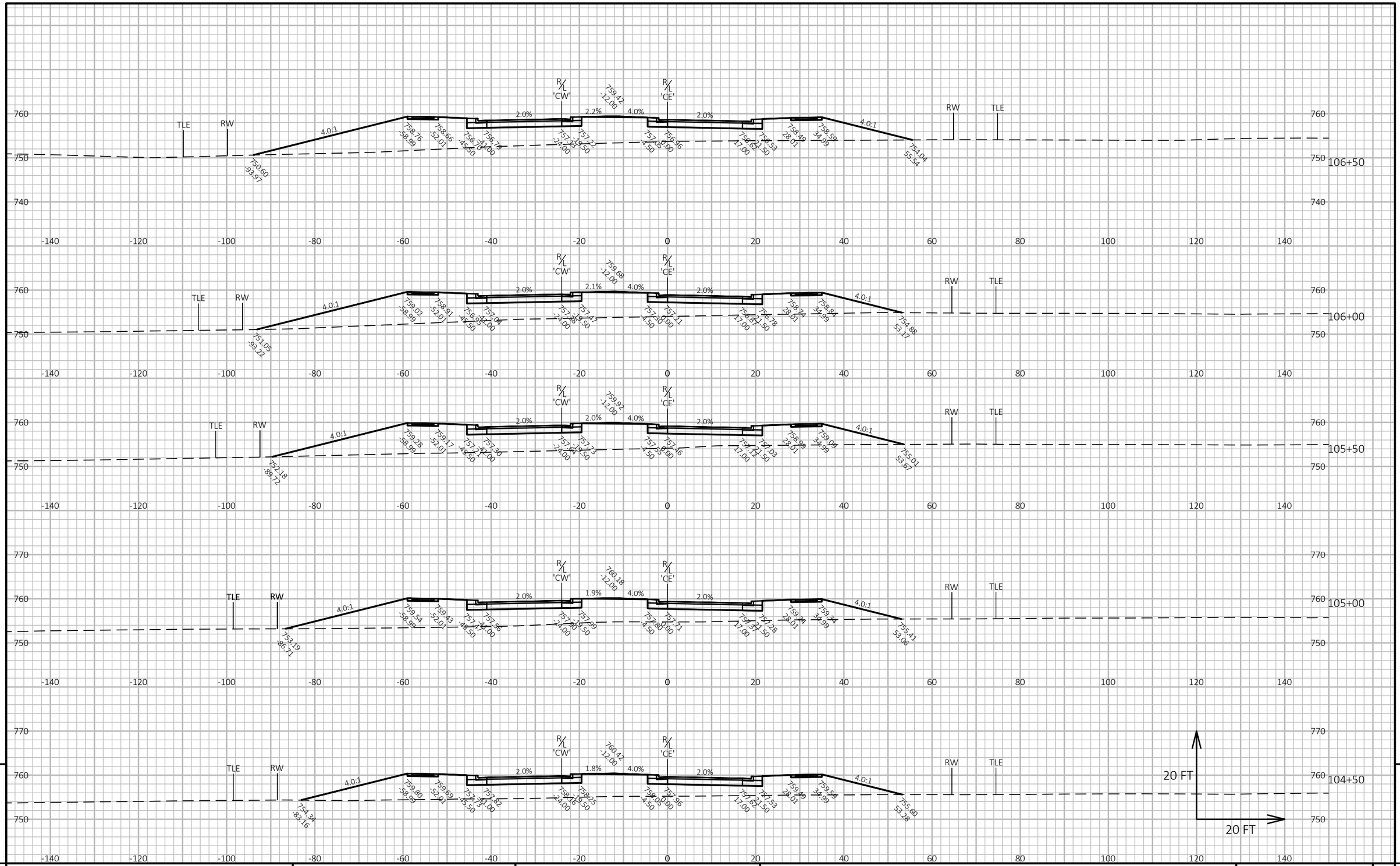
PLOT DATE : 4/8/2020 5:35 PM

PLOT BY : SANDERFOOT, JASON

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

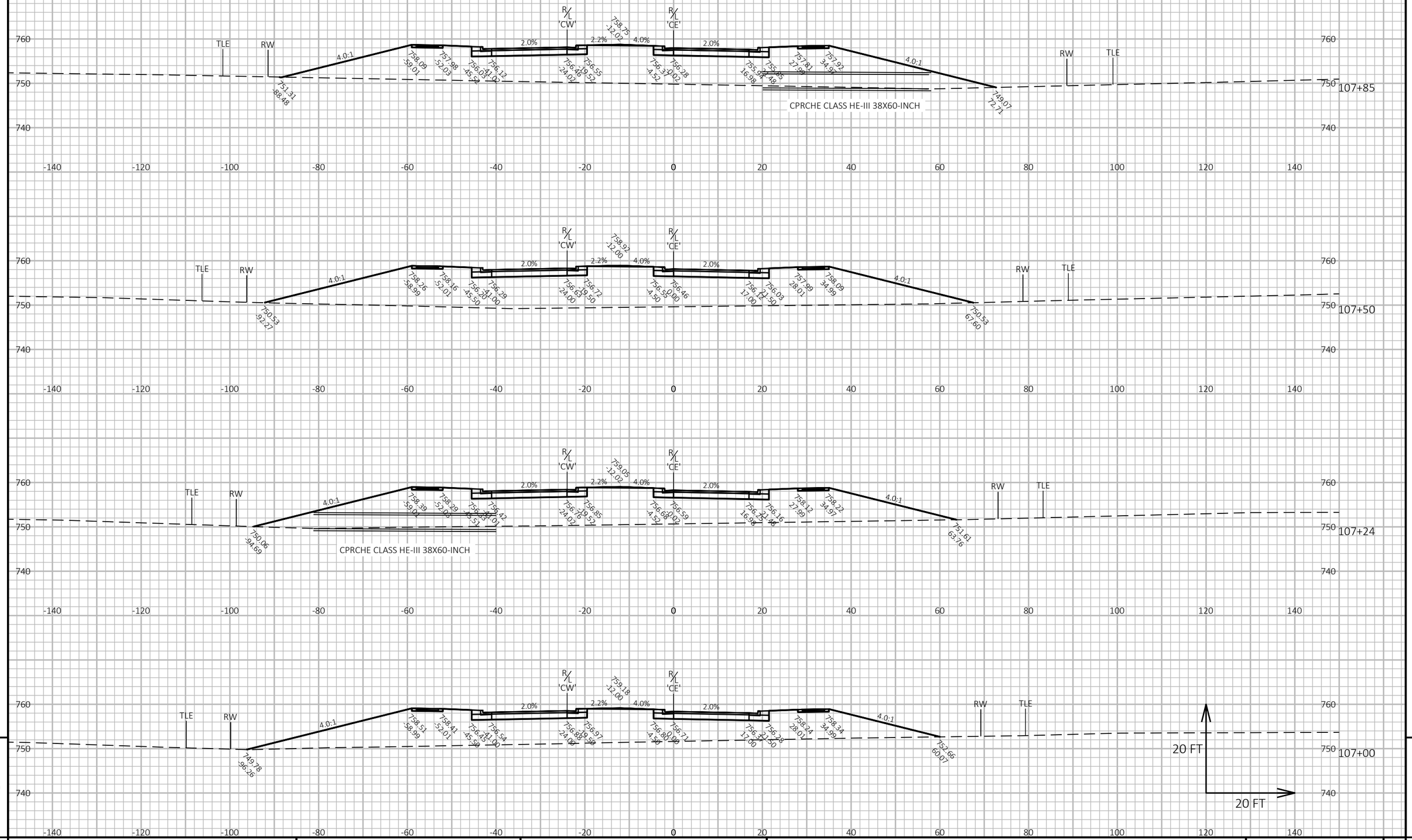


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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH TS	SHEET 967	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS CTH TS.DWG
LAYOUT NAME - CE3

PLOT DATE : 4/8/2020 5:35 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

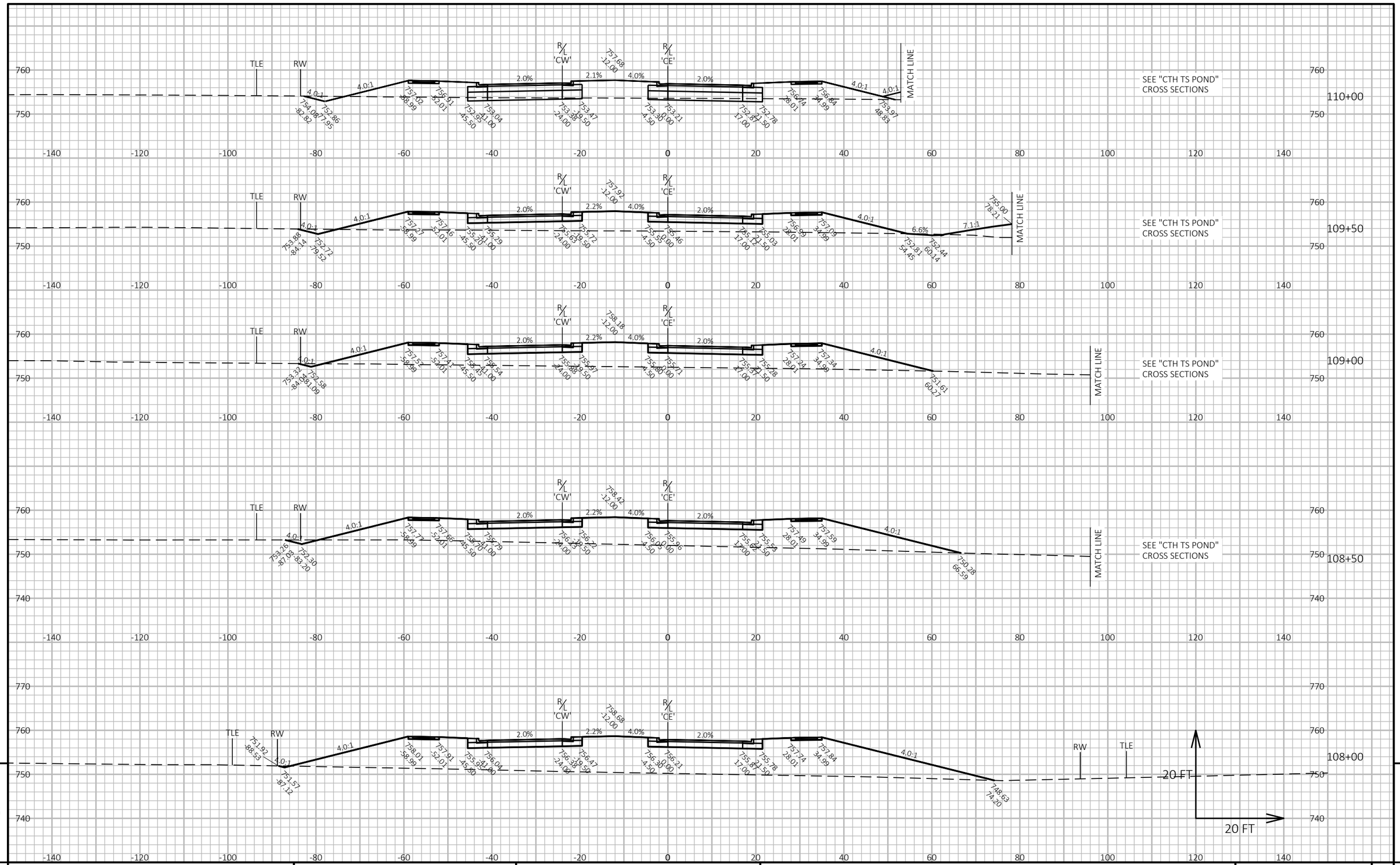
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH TS	SHEET 968	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS CTH TS.DWG
LAYOUT NAME - CE4

PLOT DATE : 4/8/2020 5:36 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

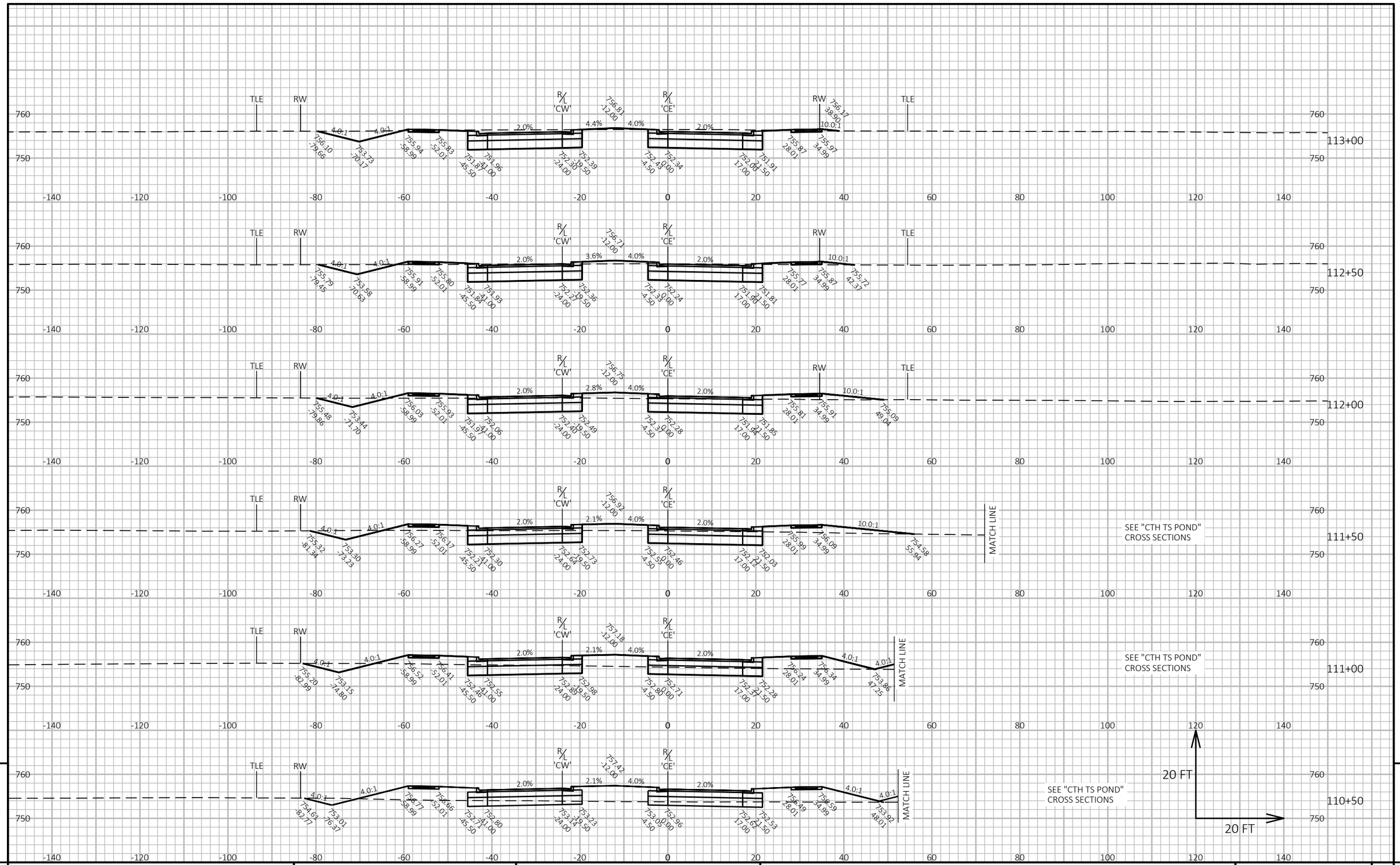


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH TS	SHEET 969 E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS CTH TS.DWG
LAYOUT NAME - CE5

PLOT DATE : 4/14/2020 11:51 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

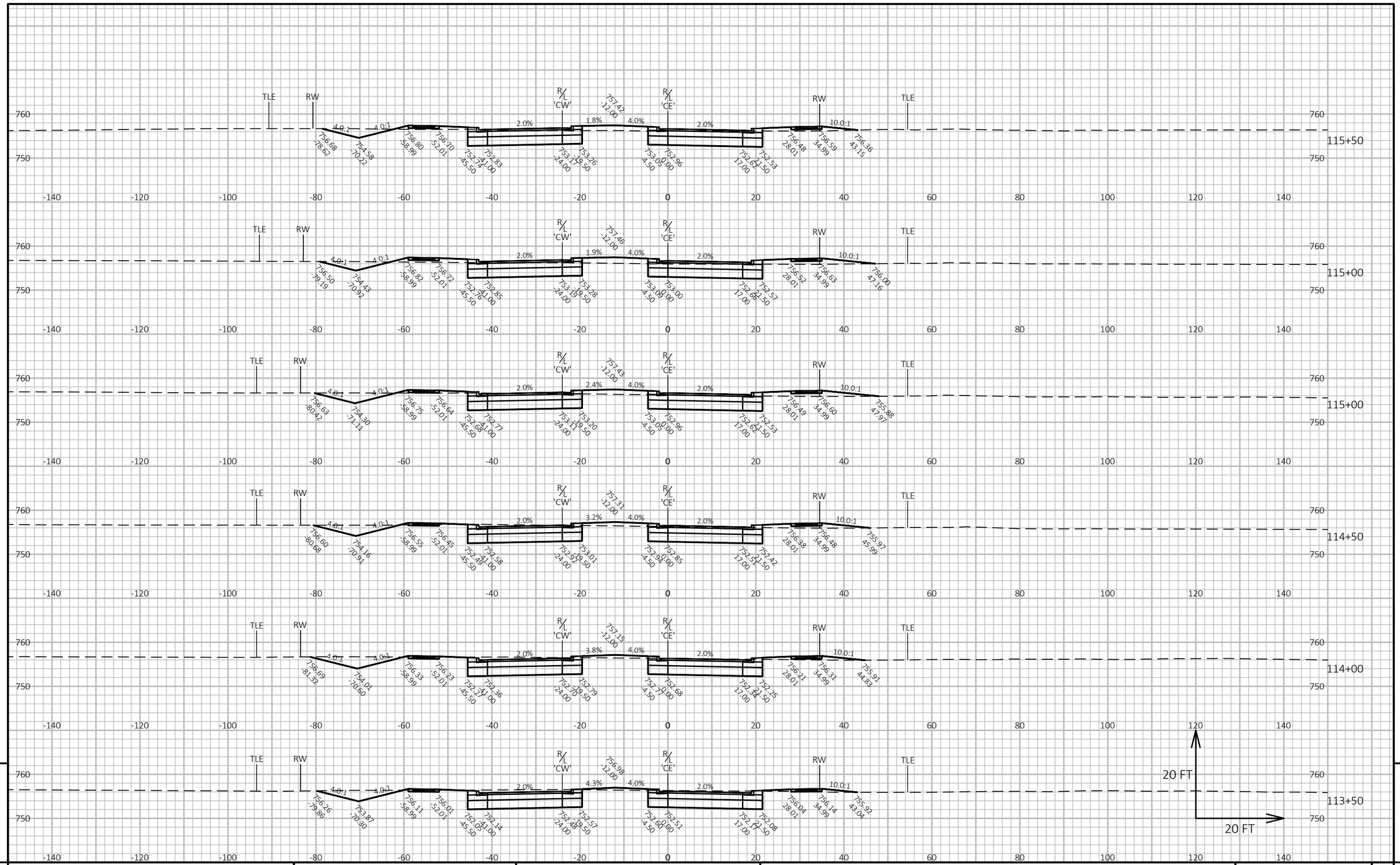


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH TS	SHEET 970 E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS CTH TS.DWG
LAYOUT NAME - CE6

PLOT DATE : 4/14/2020 11:51 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



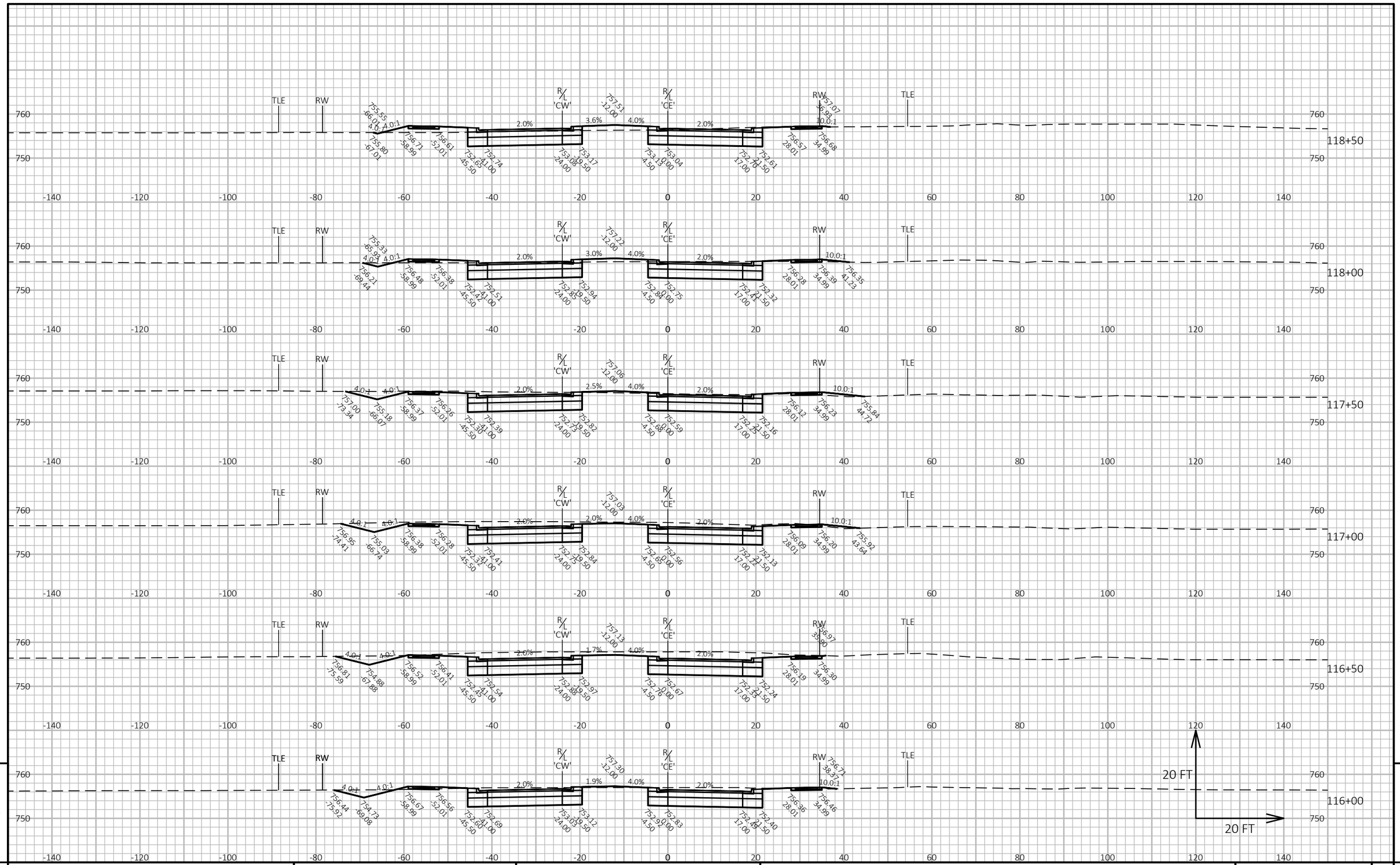
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH TS	SHEET 971	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS CTH TS.DWG
LAYOUT NAME - CE7

PLOT DATE : 4/14/2020 11:51 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



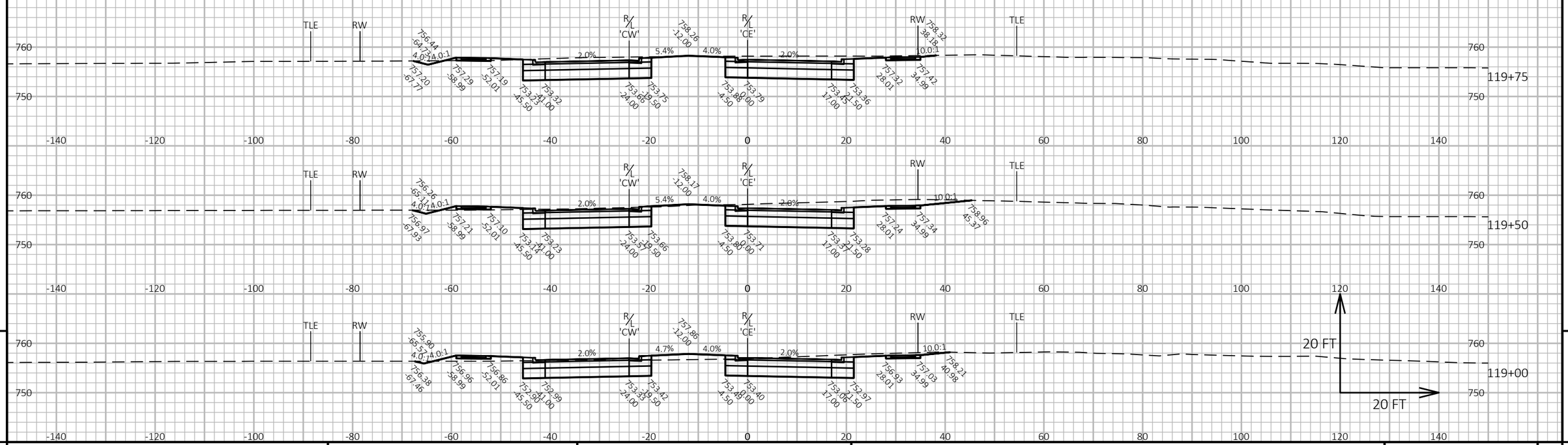
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH TS	SHEET 972	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS CTH TS.DWG
LAYOUT NAME - CE8

PLOT DATE : 4/14/2020 11:51 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION



9

9

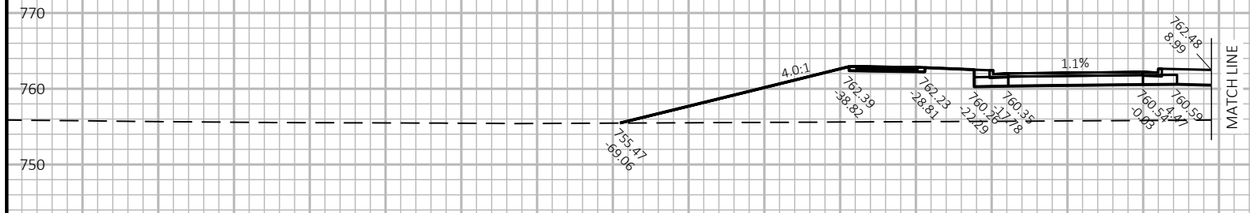
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH TS	SHEET 973	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS CTH TS.DWG
LAYOUT NAME - CE9

PLOT DATE : 4/14/2020 11:51 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

CTH TS



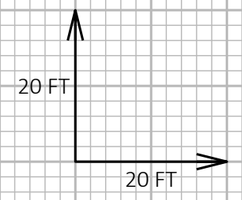
SEE "CTH TS"
CROSS SECTIONS

100+43



SEE "CTH TS"
CROSS SECTIONS

100+14



CTH VV/CTH TS ROUNDABOUT

9

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH TS WESTBOUND	SHEET 974	E

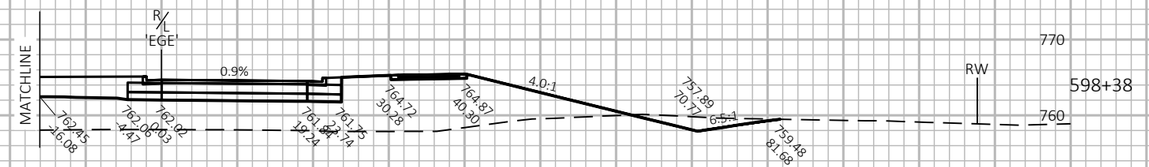
FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS CTH TS.DWG
LAYOUT NAME - CW1

PLOT DATE : 4/8/2020 5:36 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

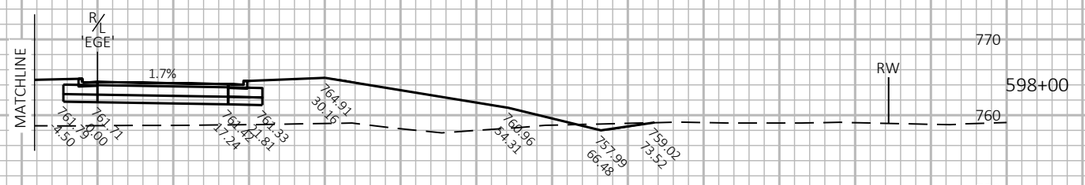
WISDOT/CADDS SHEET 49

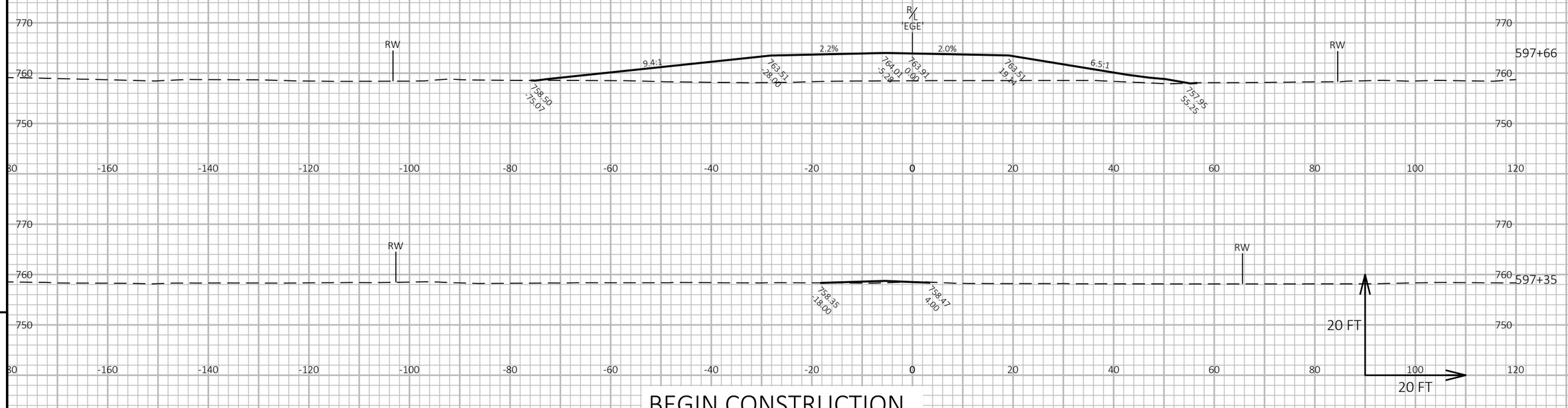
MARLEY ST./EVERGREEN AVE. ROUNDABOUT

SEE "EVERGREEN WB" CROSS SECTIONS



SEE "EVERGREEN WB" CROSS SECTIONS





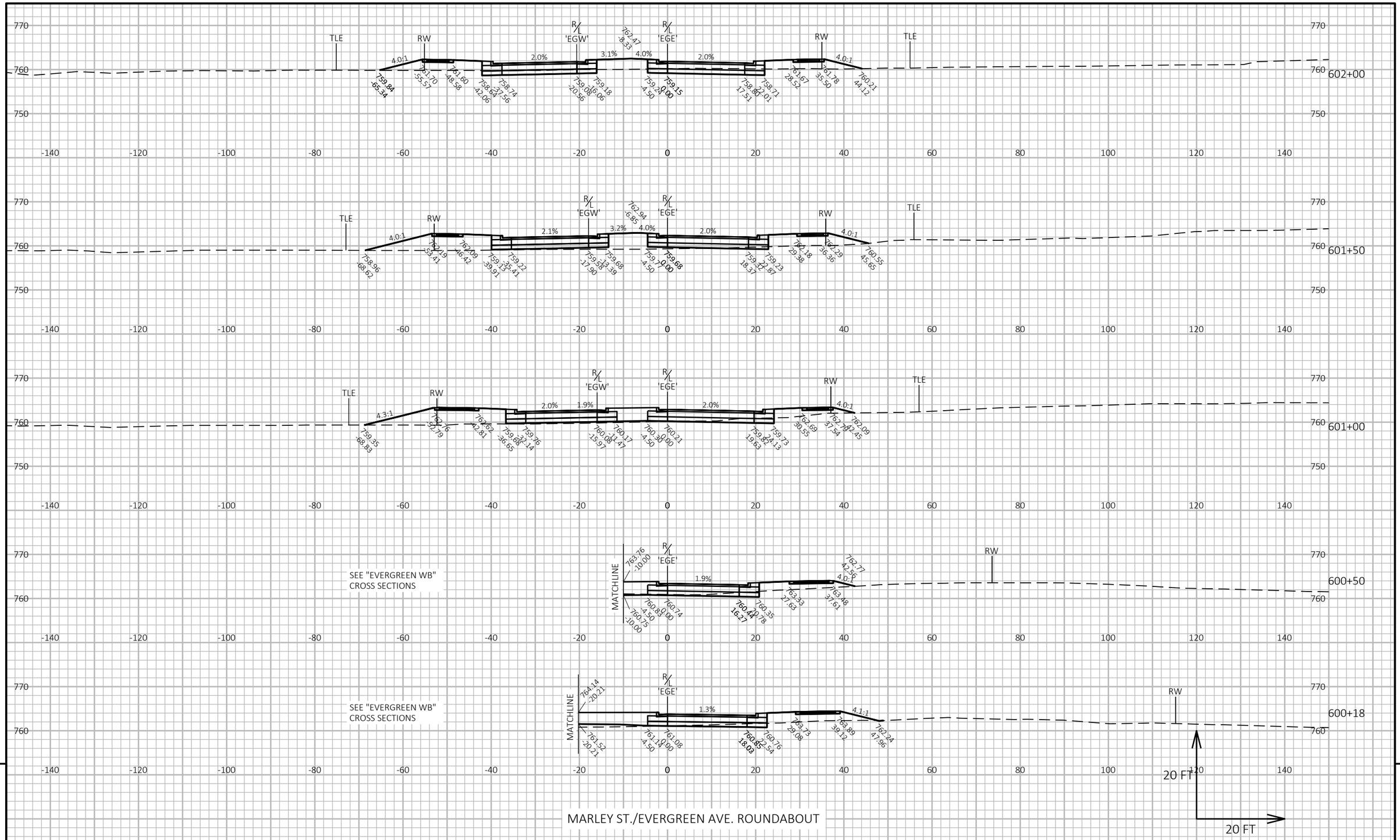
BEGIN CONSTRUCTION

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE.	SHEET 975	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - EGE1A

PLOT DATE : 4/9/2020 2:02 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

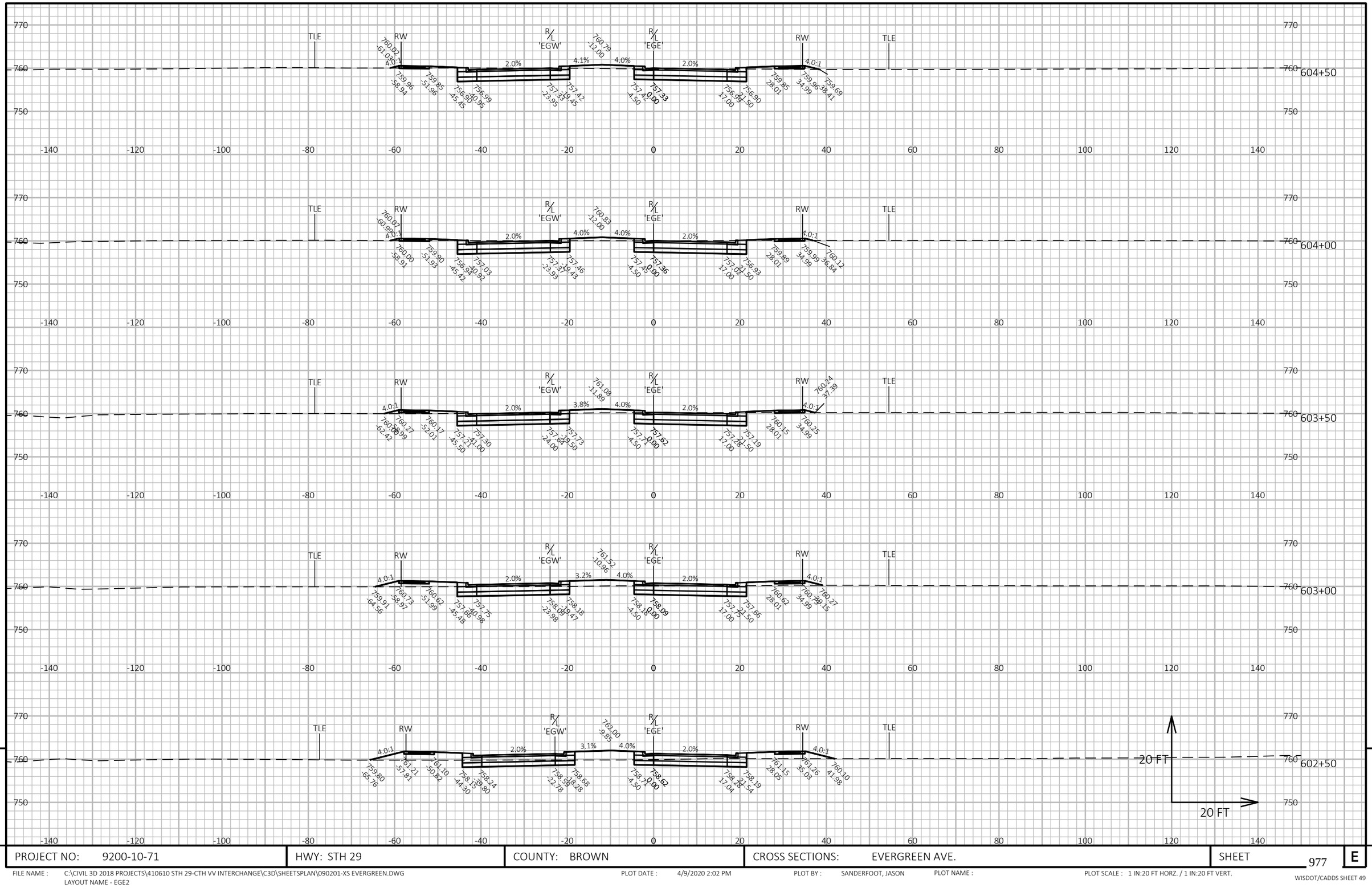


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE.	SHEET 976 E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - EGE1

PLOT DATE : 4/9/2020 2:02 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

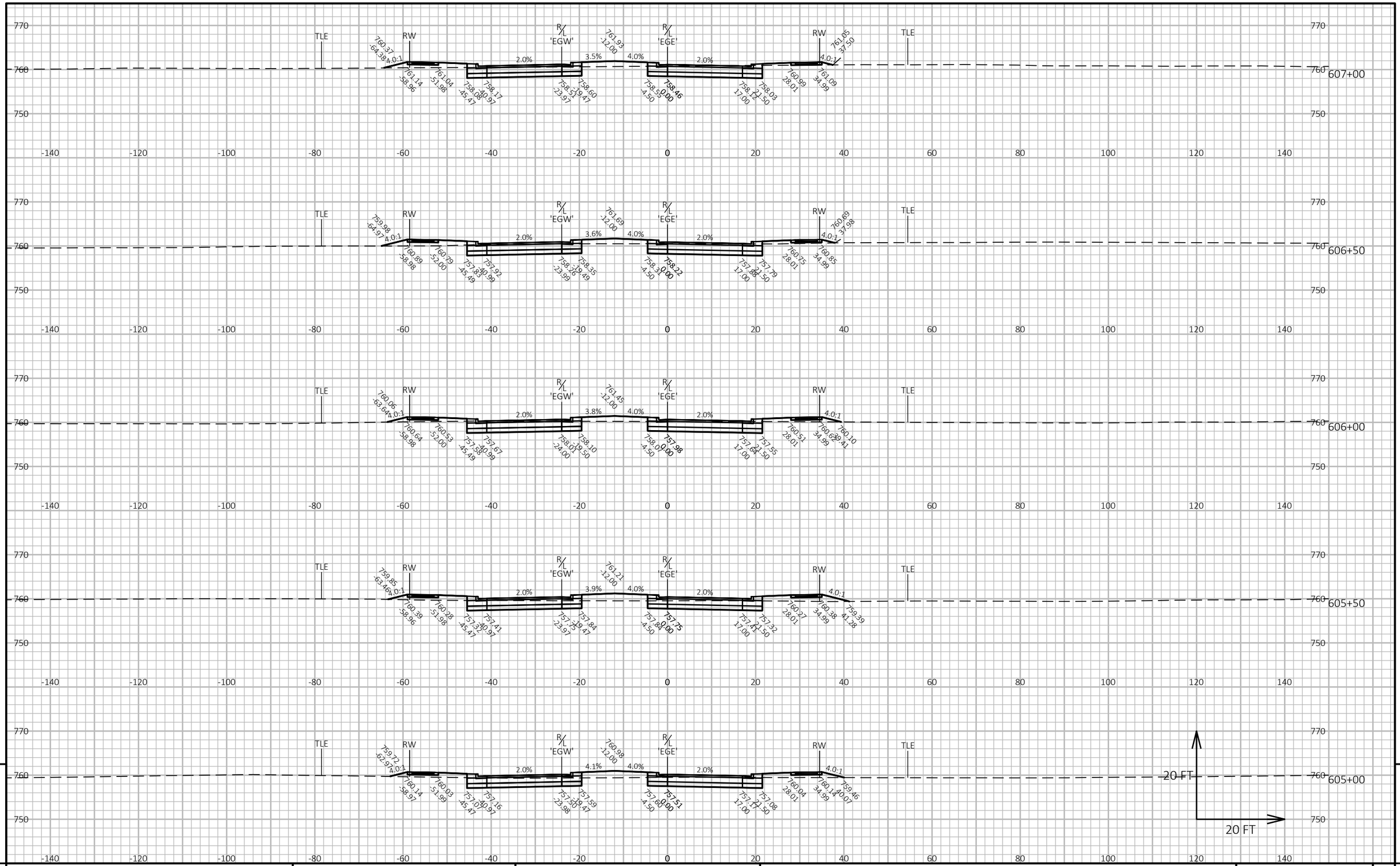


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE.	SHEET 977	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - EGE2

PLOT DATE : 4/9/2020 2:02 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

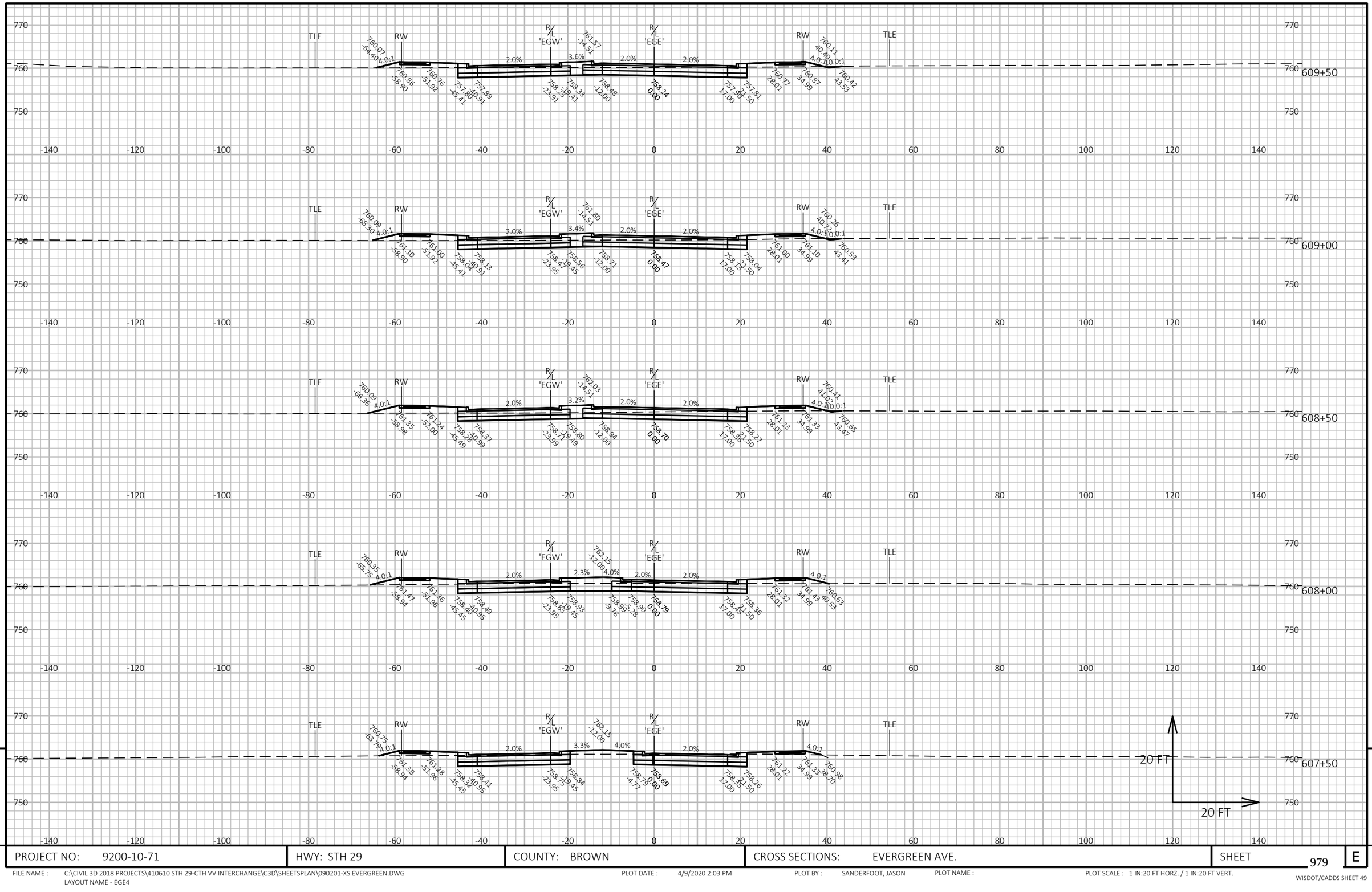
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE.	SHEET 978	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - EGE3

PLOT DATE : 4/9/2020 2:03 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



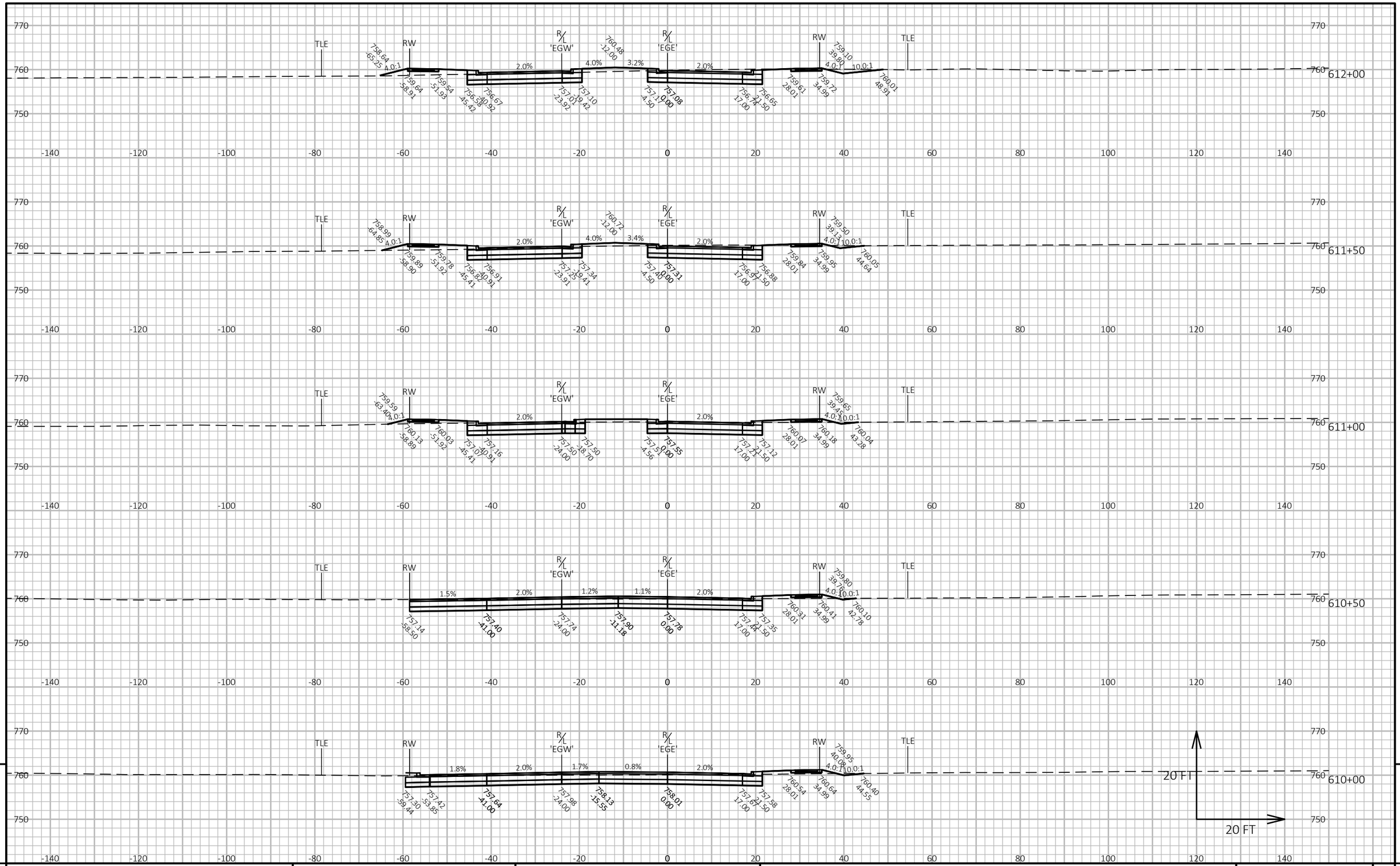
9

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE.	SHEET 979	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - EGE4

PLOT DATE : 4/9/2020 2:03 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

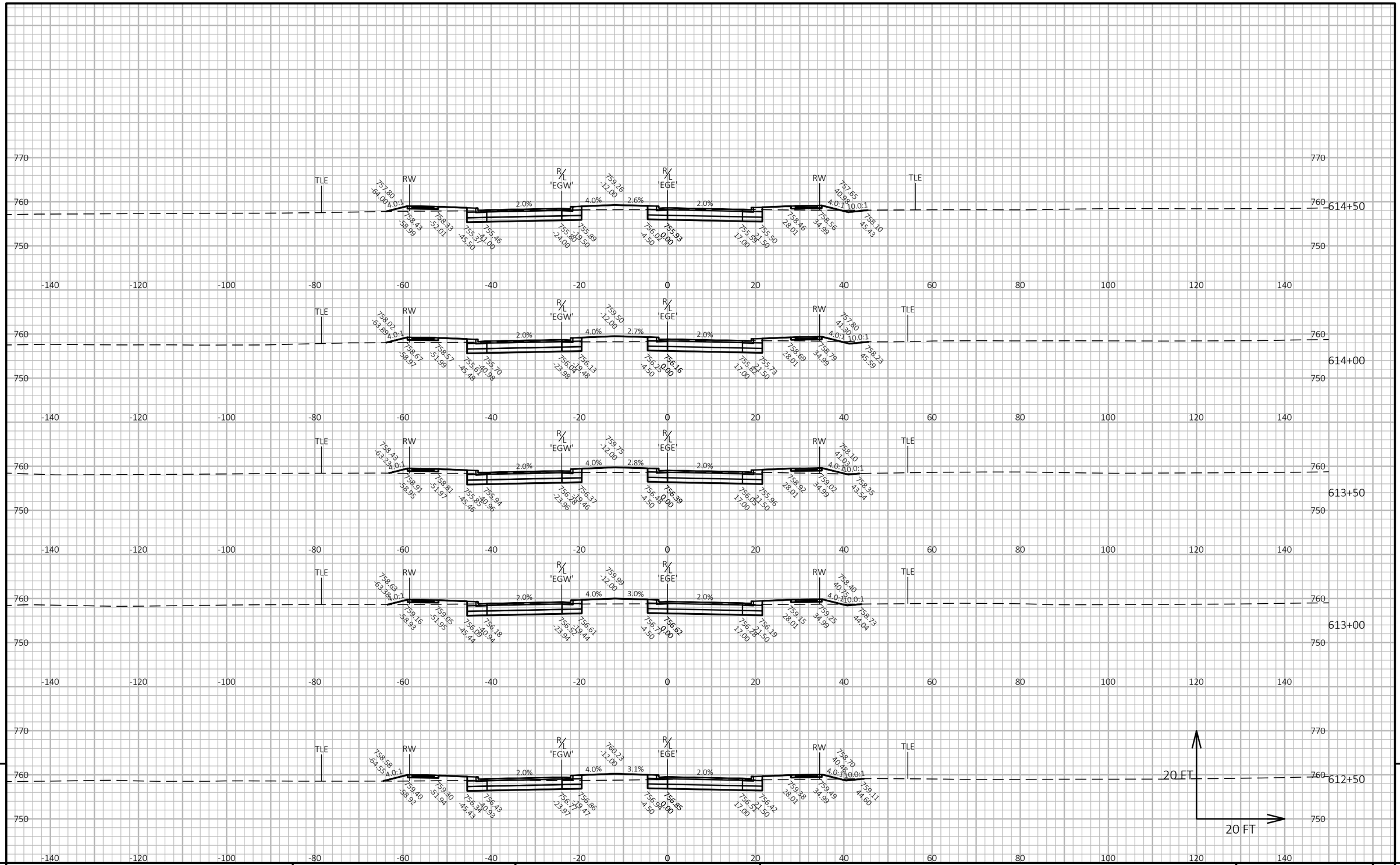


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE.	SHEET 980	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - EGE5

PLOT DATE : 4/9/2020 2:03 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

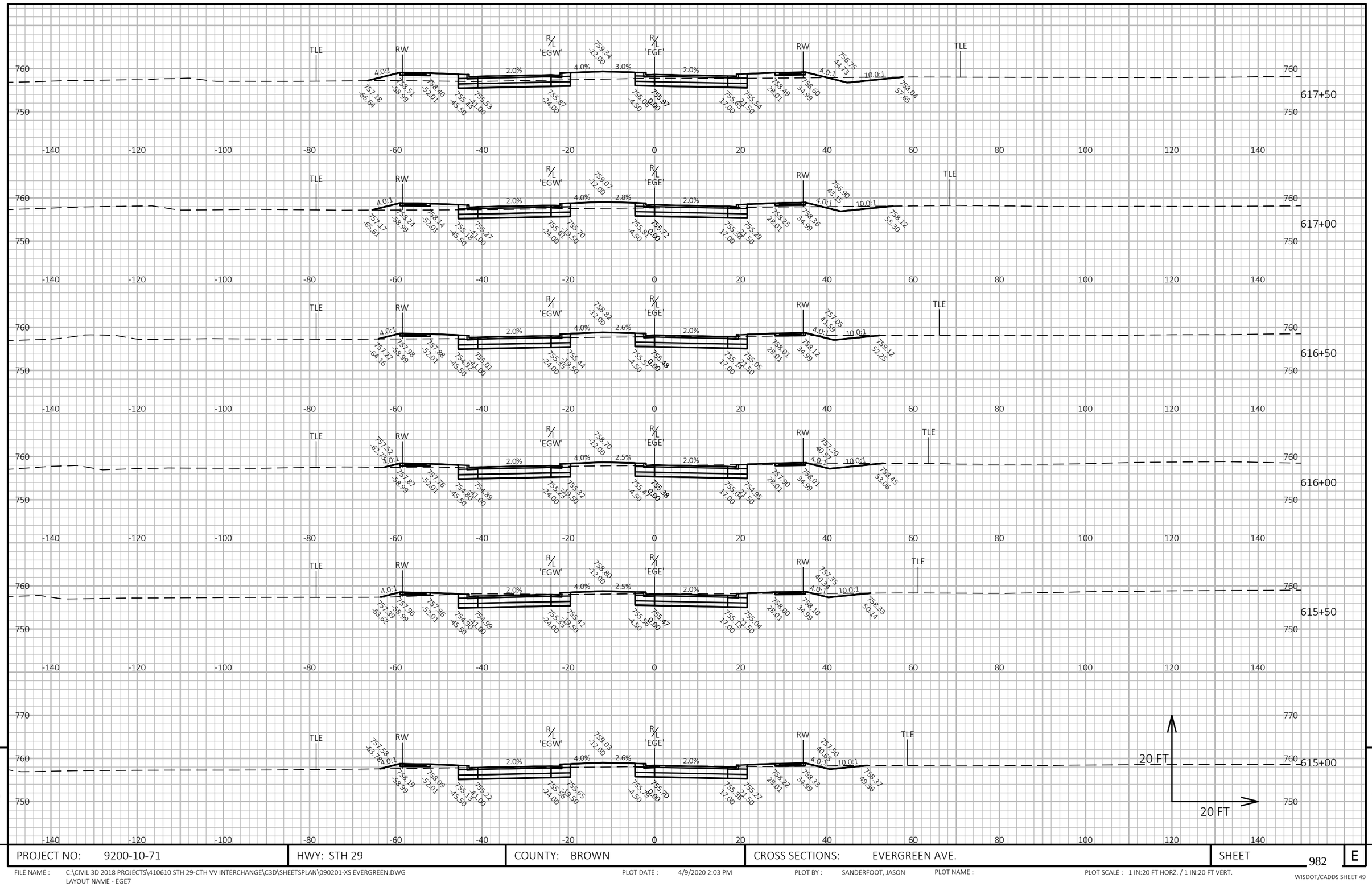


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE.	SHEET 981	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - EGE6

PLOT DATE : 4/9/2020 2:03 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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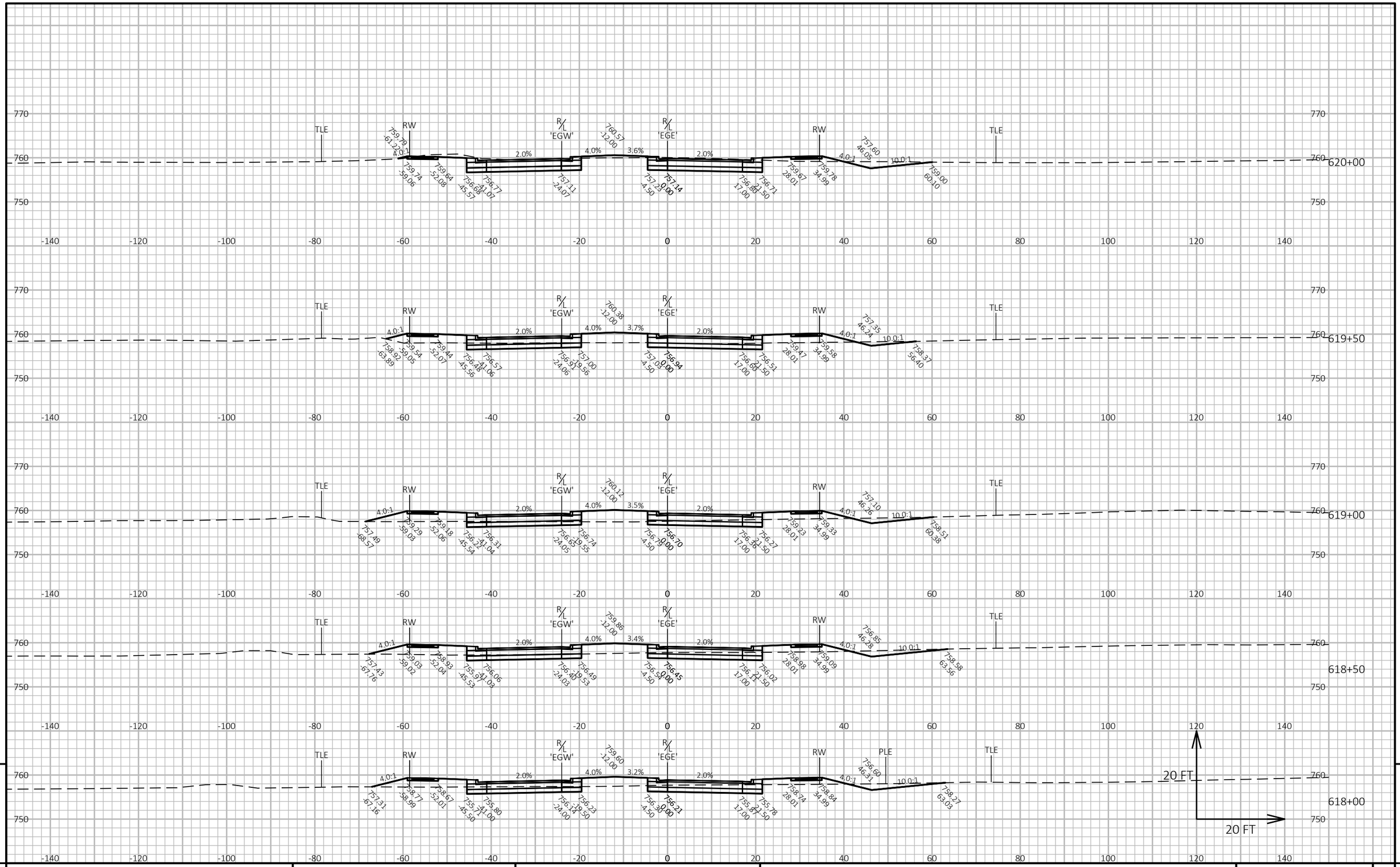
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE.	SHEET 982	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - EGE7

PLOT DATE : 4/9/2020 2:03 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

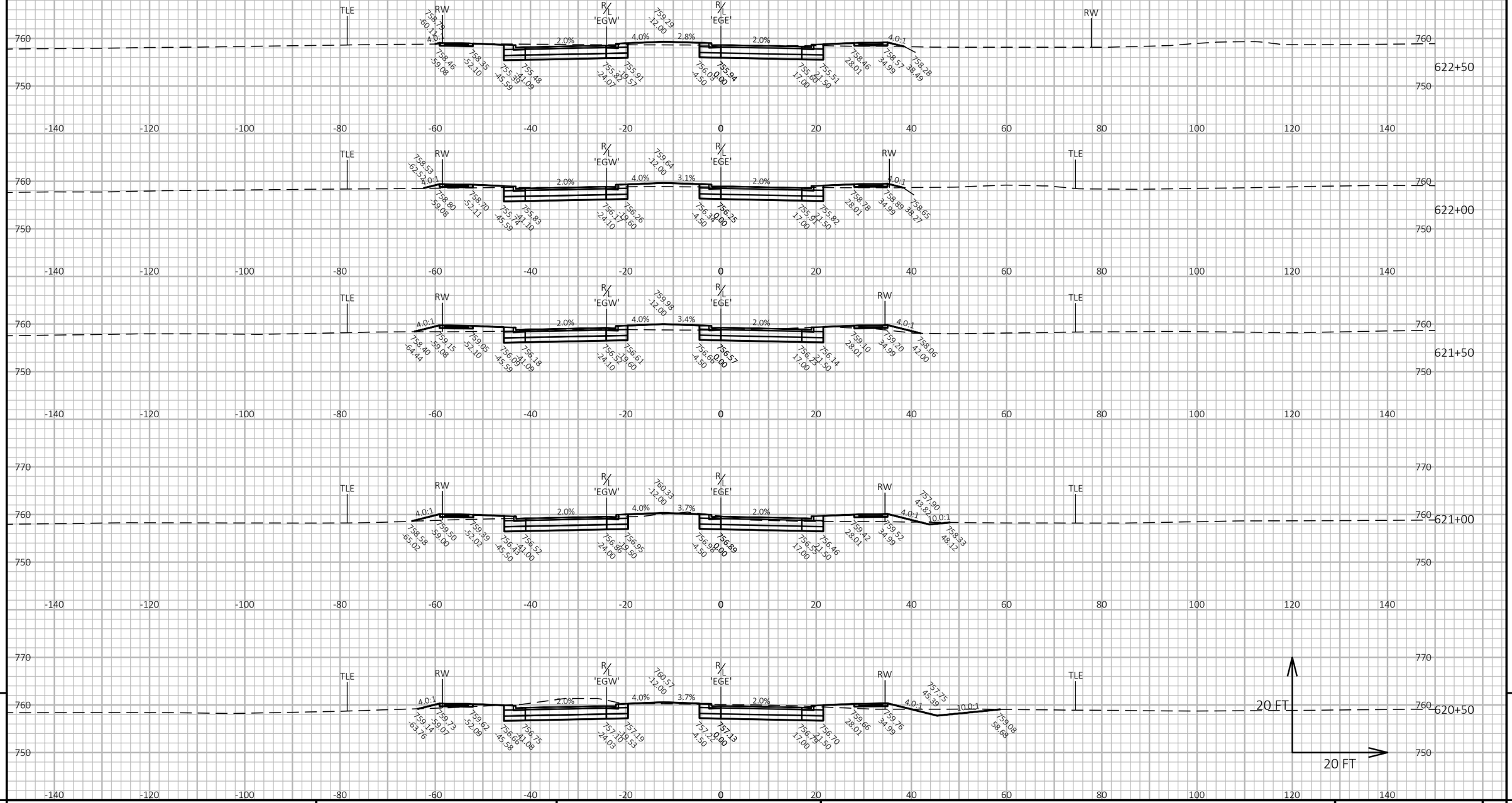
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE.	SHEET 983	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - EGE8

PLOT DATE : 4/9/2020 2:03 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

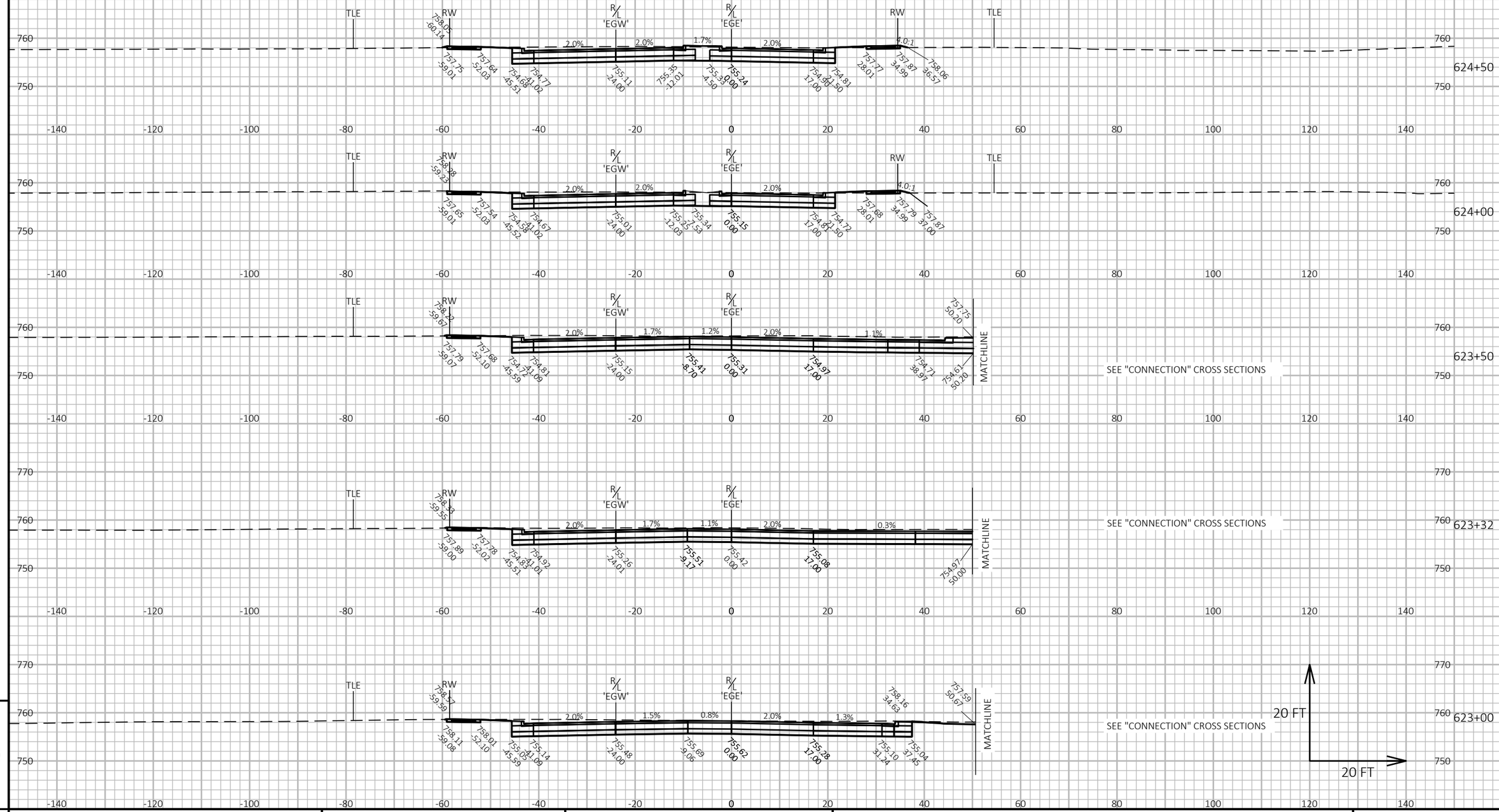


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE.	SHEET 984	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - EGE9

PLOT DATE : 4/9/2020 2:03 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



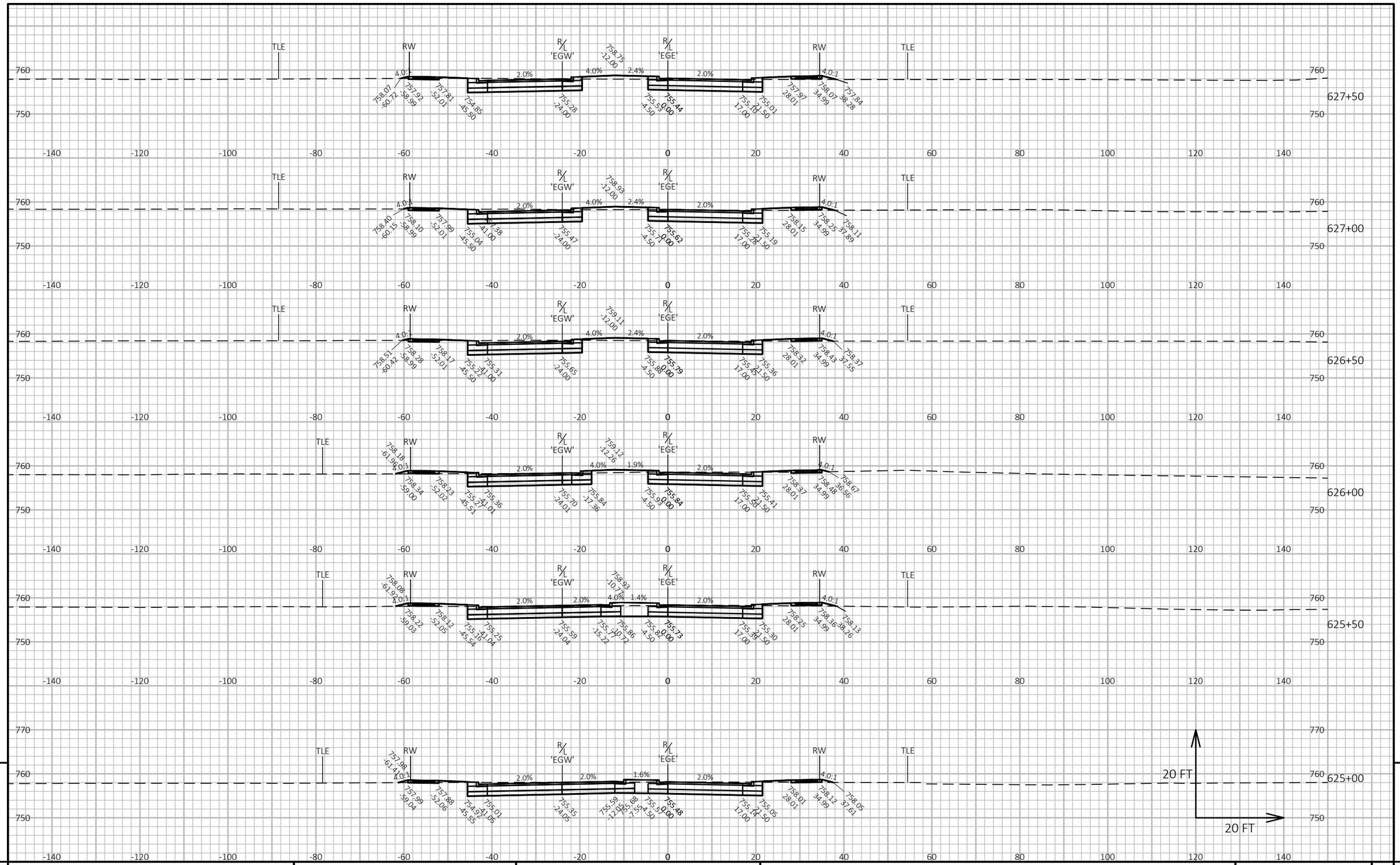
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9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE.	SHEET 985	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - EGE10

PLOT DATE : 4/9/2020 2:03 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

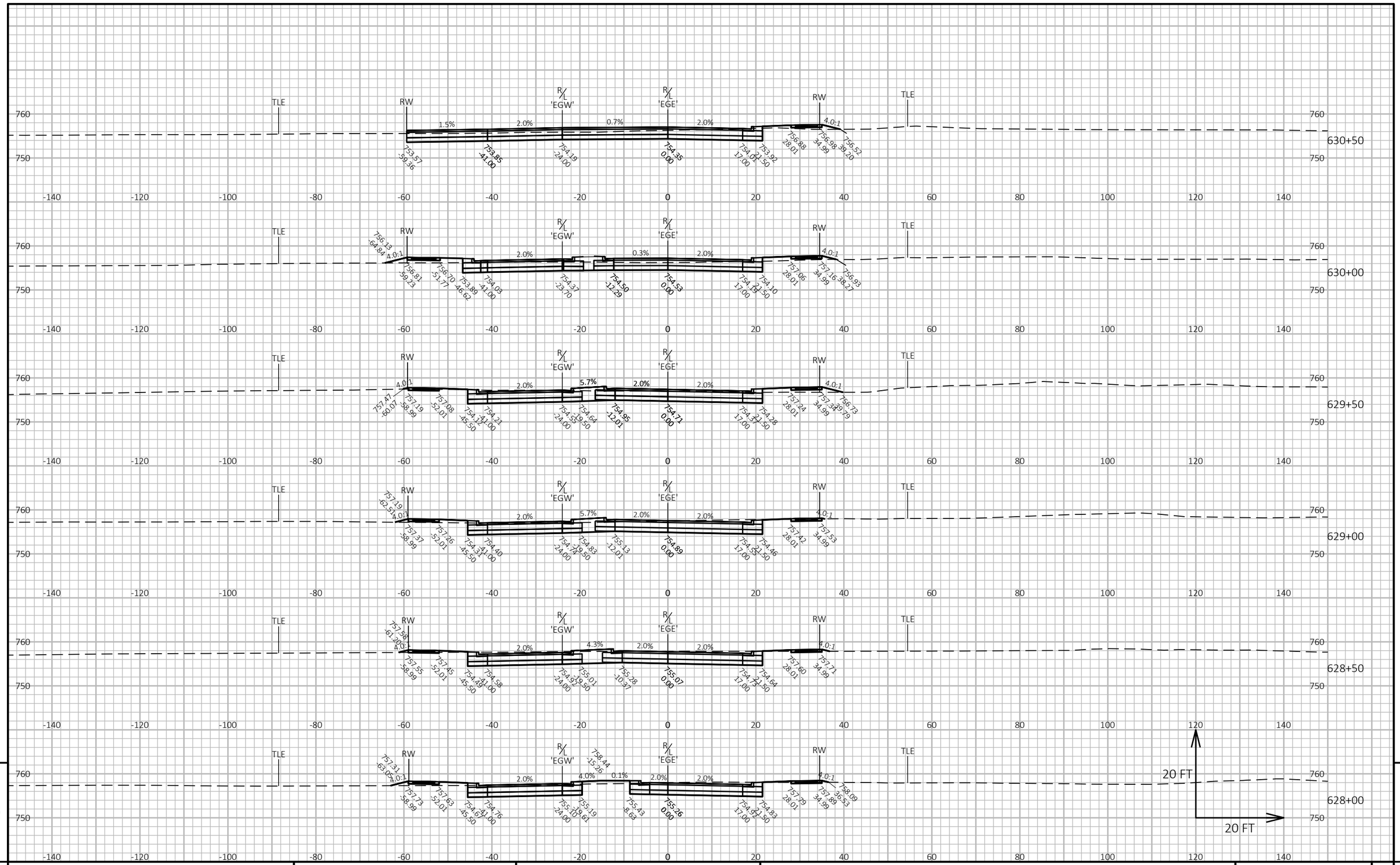
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE.	SHEET 986	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - EGE11

PLOT DATE : 4/9/2020 2:03 PM PLOT BY : SANDERFOOT, JASON PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



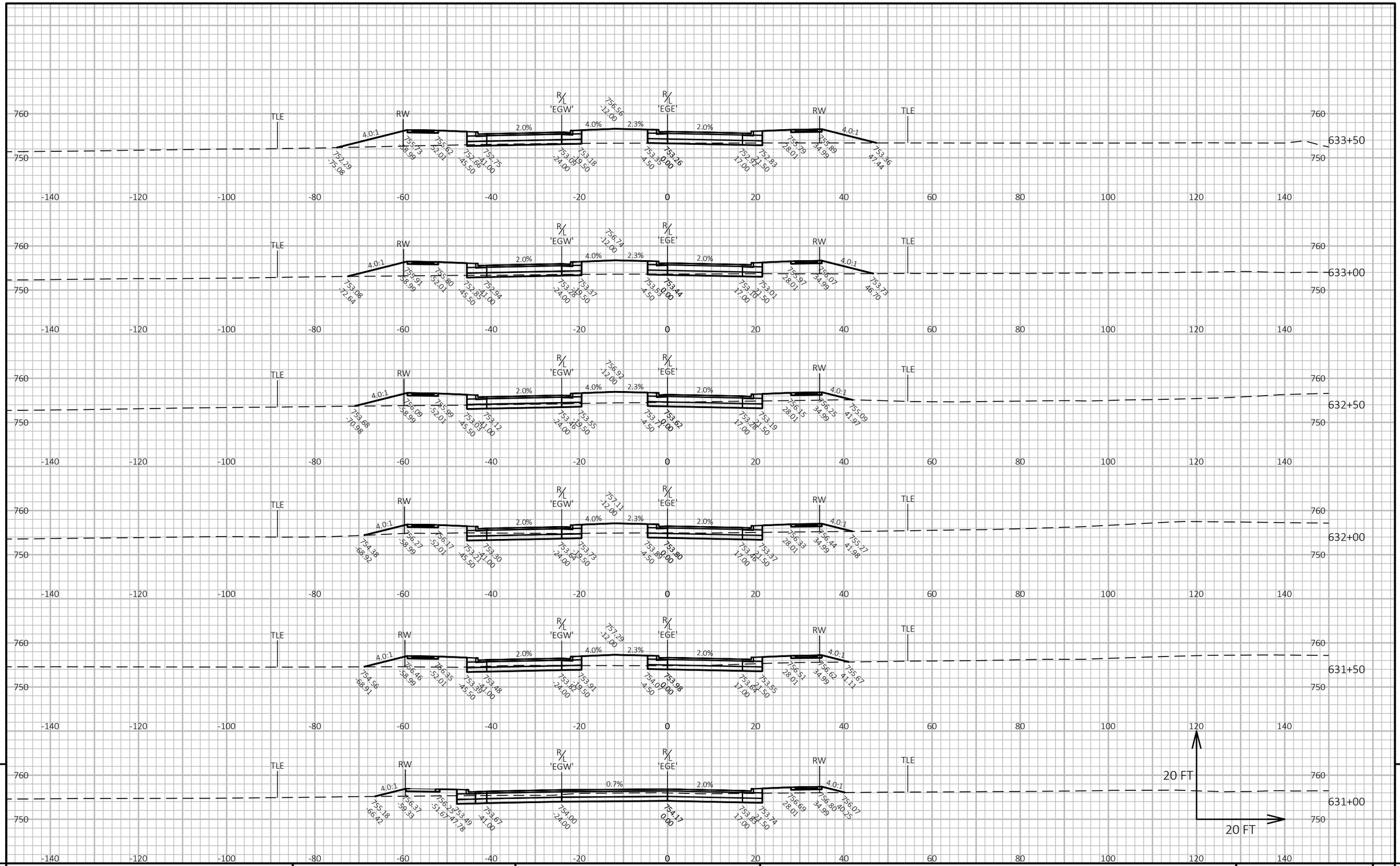
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE.	SHEET 987	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - EGE12

PLOT DATE : 4/9/2020 2:03 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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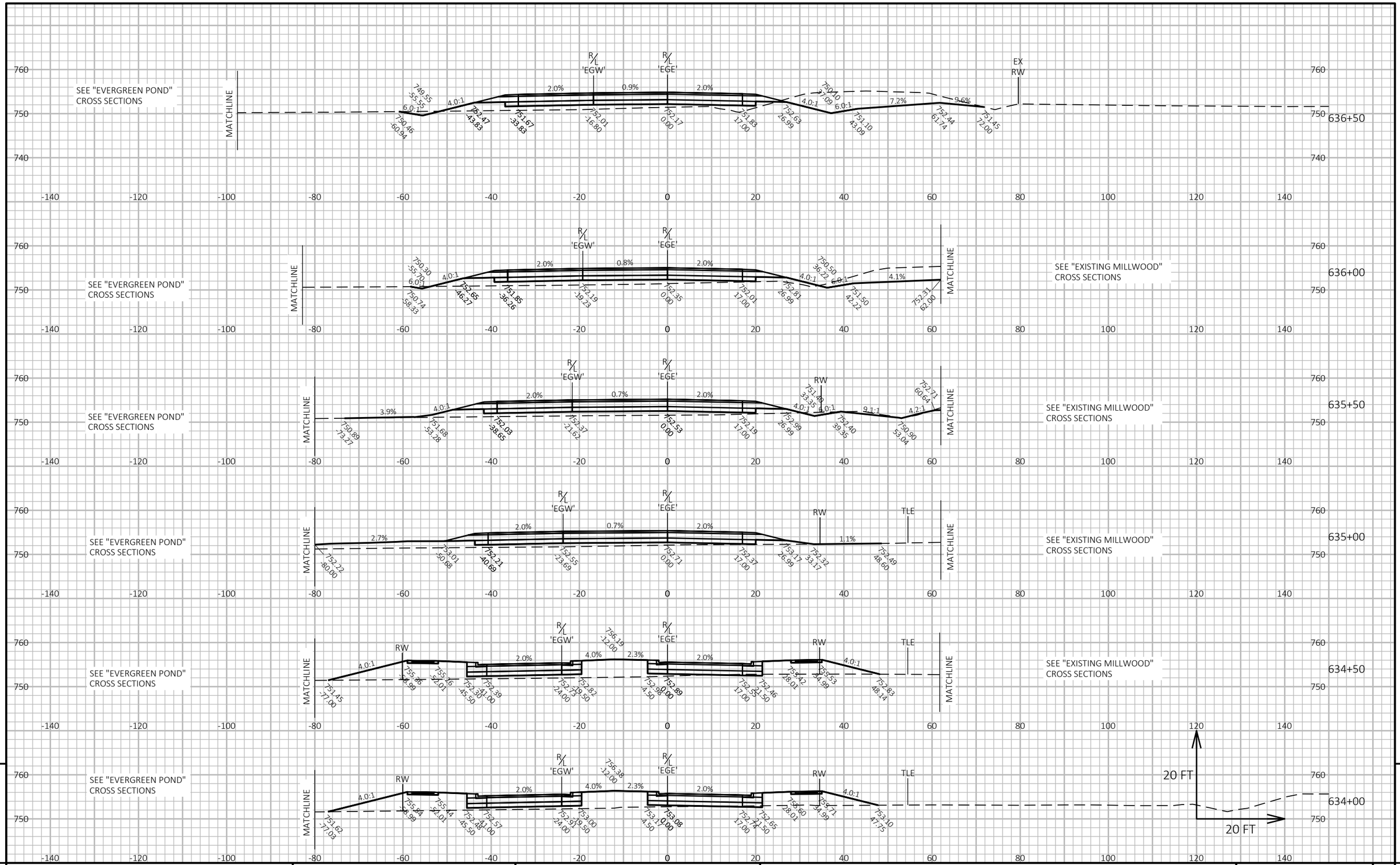
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE.	SHEET 988	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - EGE13

PLOT DATE : 4/9/2020 2:03 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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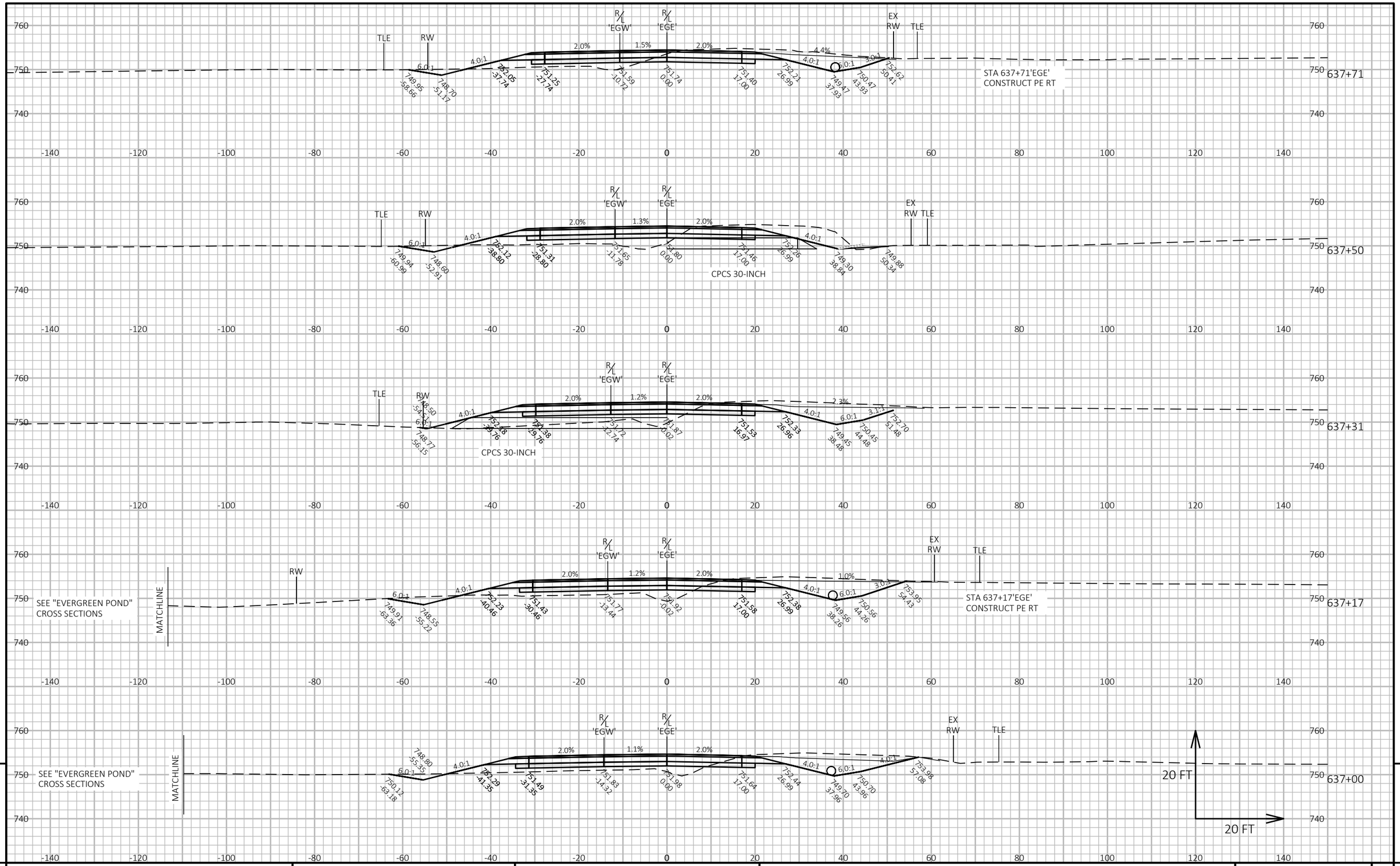
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE.	SHEET 989	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - EGE14

PLOT DATE : 4/9/2020 2:03 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



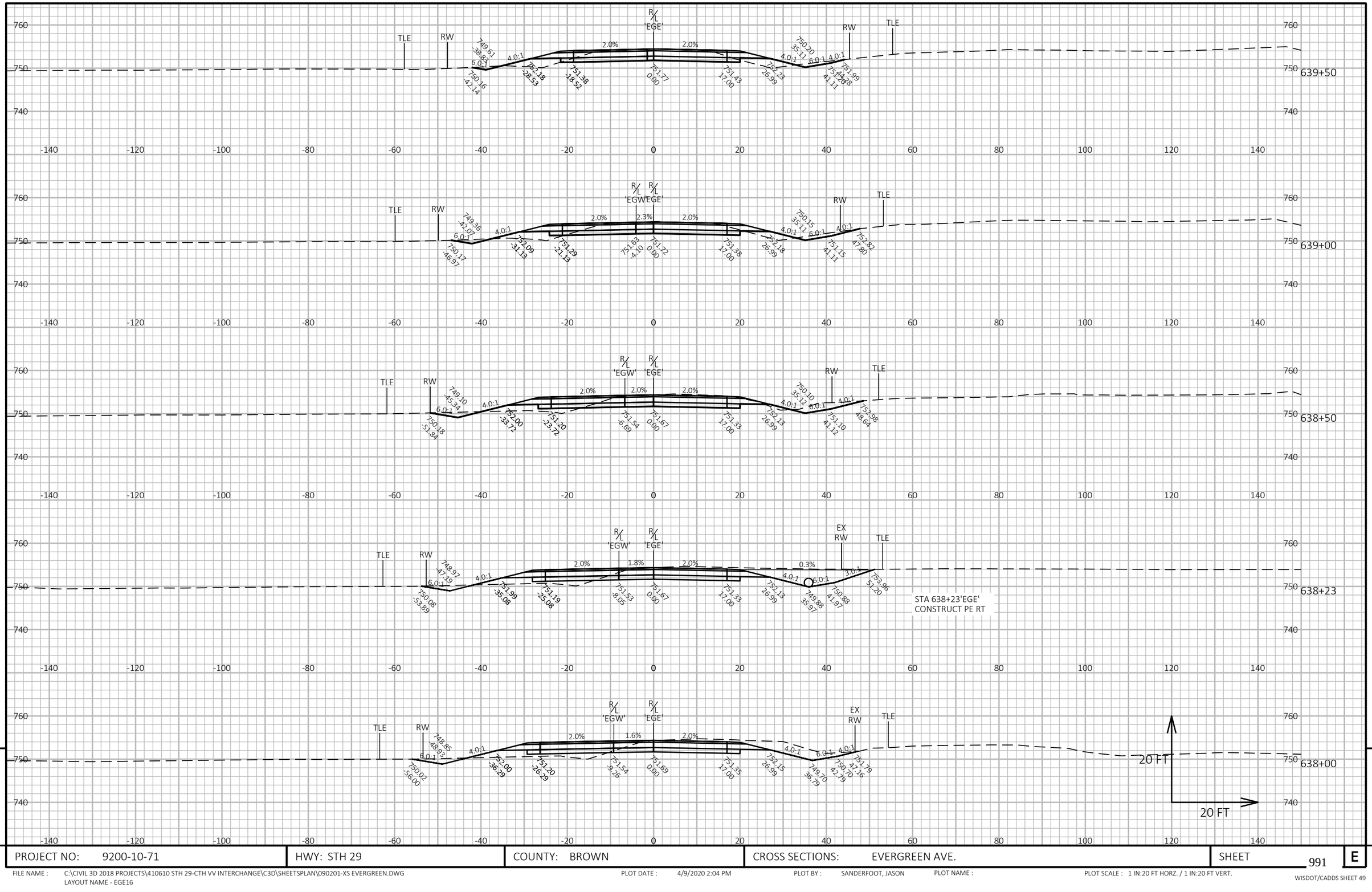
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE.	SHEET 990 E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - EGE15

PLOT DATE : 4/9/2020 2:04 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9 9



9

9

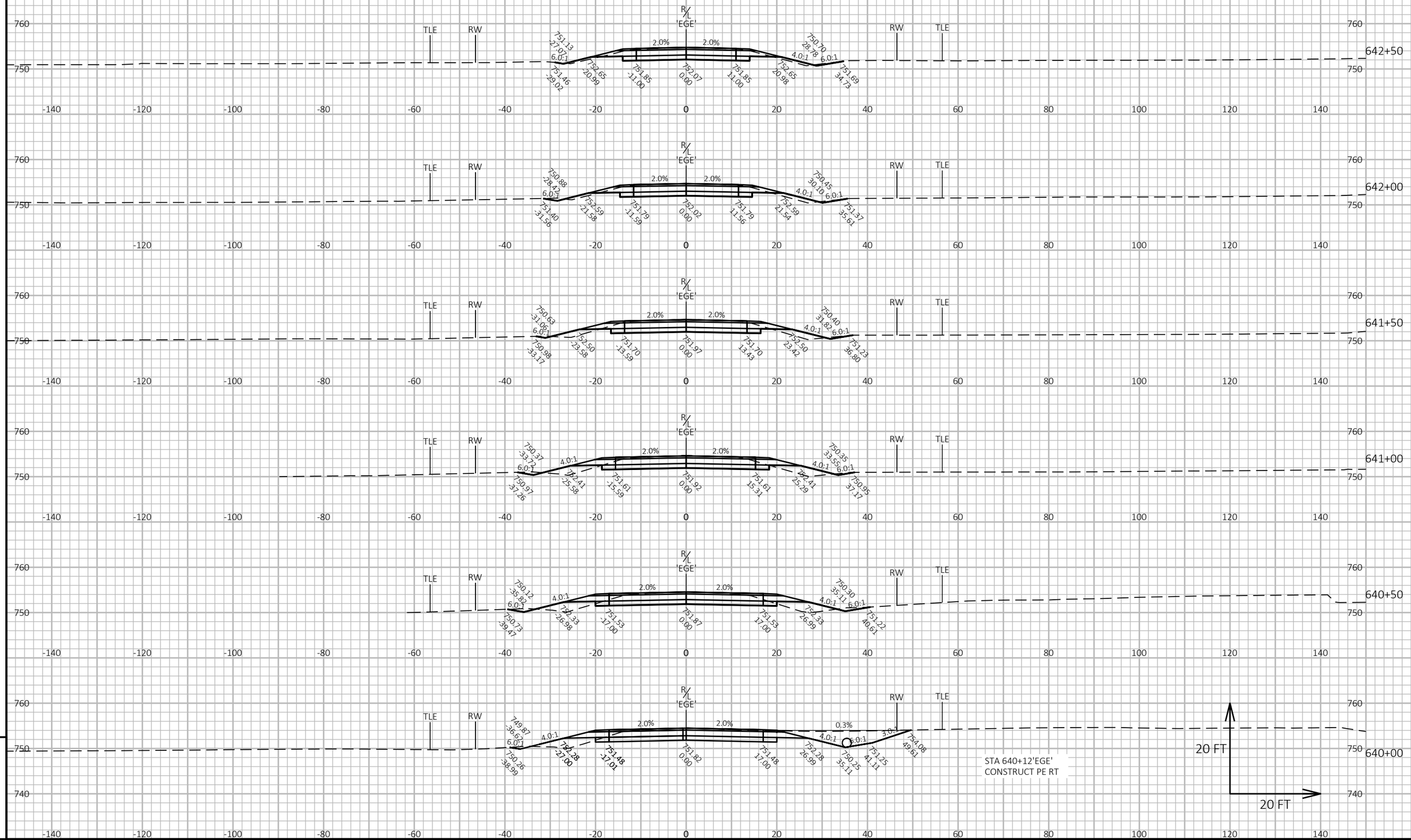
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE.	SHEET 991	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - EGE16

PLOT DATE : 4/9/2020 2:04 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION



9

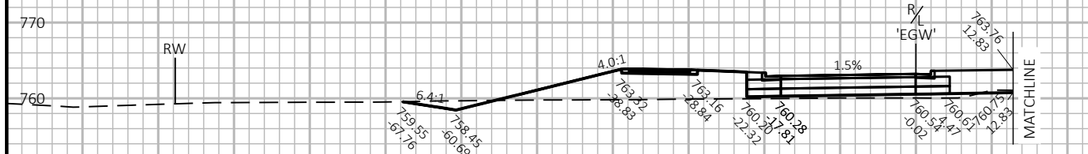
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE.	SHEET 992	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - EGE17

PLOT DATE : 4/9/2020 2:04 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



SEE "EVERGREEN" CROSS SECTIONS

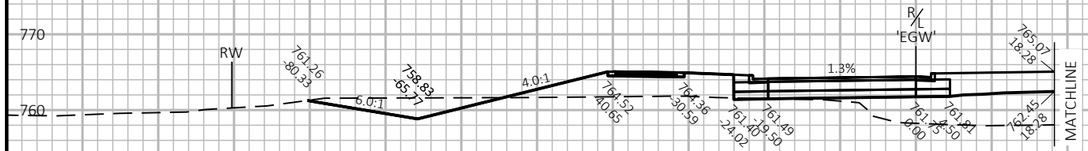
600+43



SEE "EVERGREEN" CROSS SECTIONS

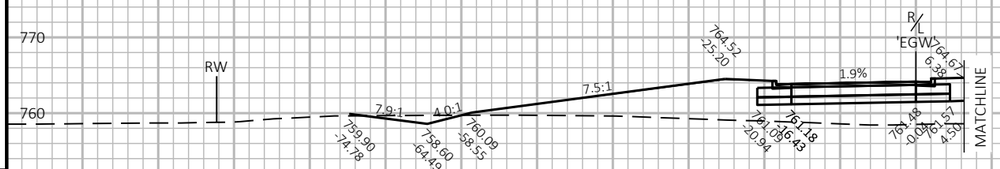
600+14

MARLEY ST./EVERGREEN AVE. ROUNDABOUT



SEE "EVERGREEN" CROSS SECTIONS

598+42



SEE "EVERGREEN" CROSS SECTIONS

598+01

20 FT

20 FT

9

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE. WESTBOUND	SHEET 993	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - EGW1

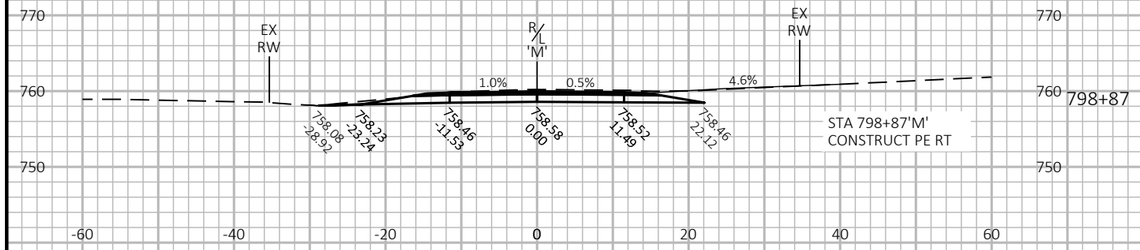
PLOT DATE : 4/8/2020 5:25 PM

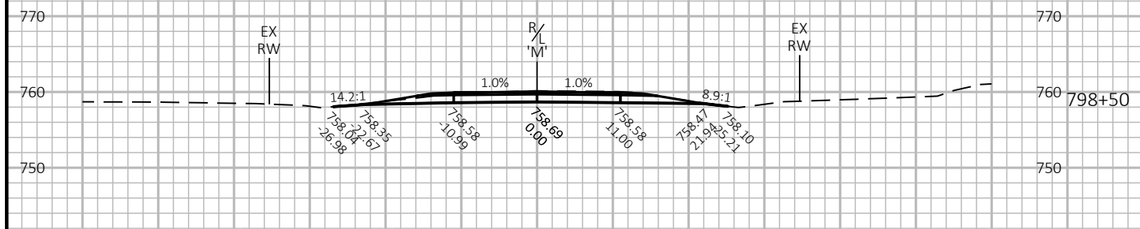
PLOT BY : SANDERFOOT, JASON

PLOT NAME :

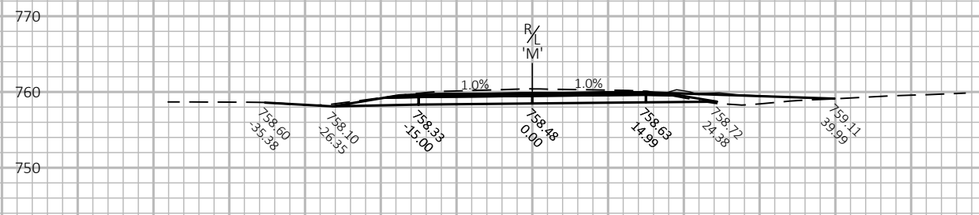
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

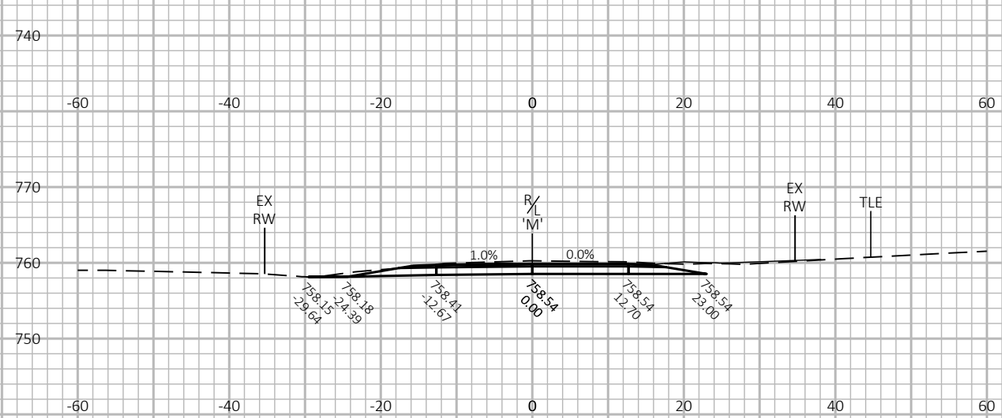
WISDOT/CADDS SHEET 49





MARLEY ST.





BEGIN CONSTRUCTION

20 FT

20 FT

9

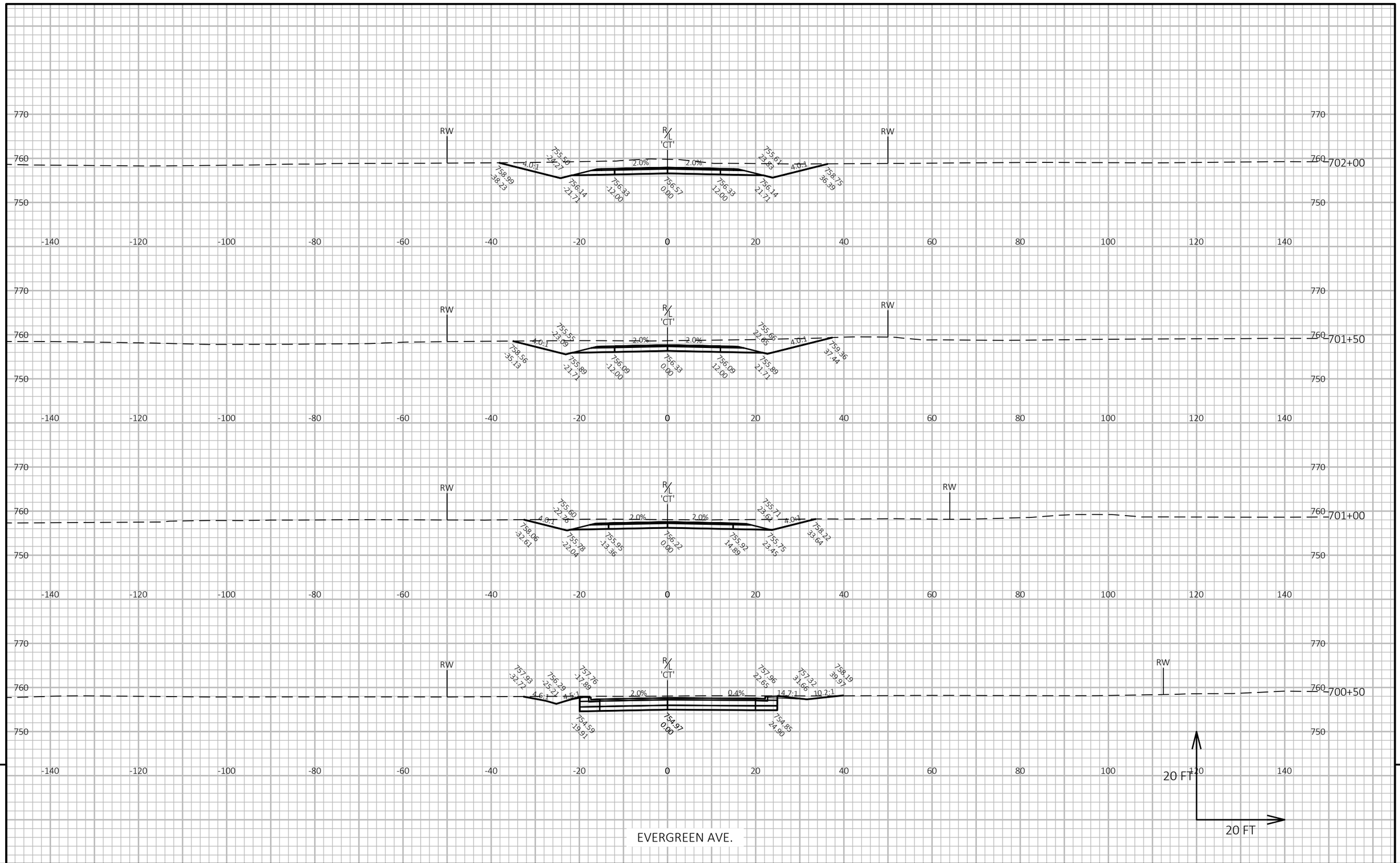
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: MILLWOOD CT.	SHEET 994	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS MARLEY-NORTH.DWG
LAYOUT NAME - MILWOOD1

PLOT DATE : 4/8/2020 5:51 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

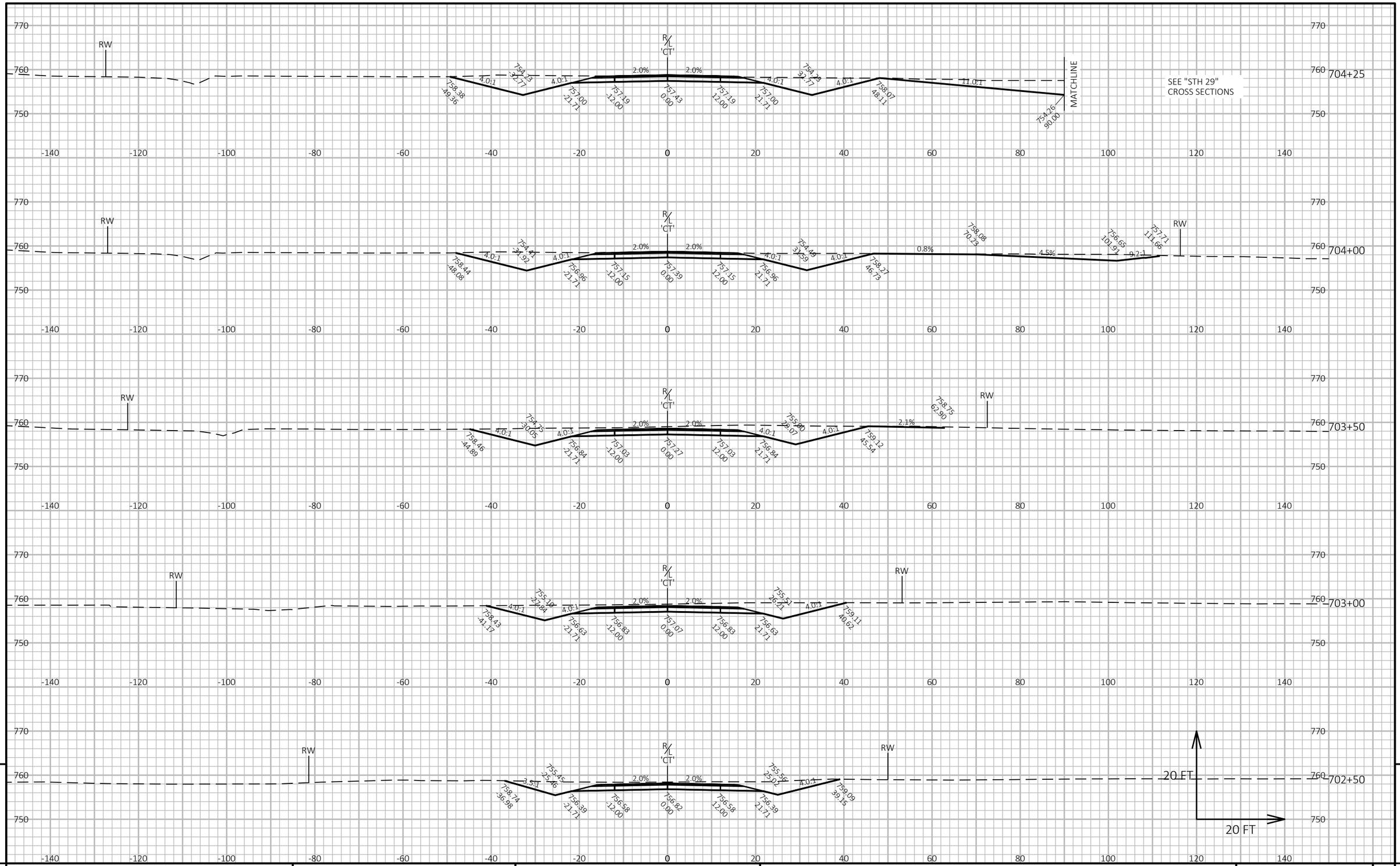
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CONNECTION RD.	SHEET 995	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - CT1

PLOT DATE : 4/8/2020 5:27 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

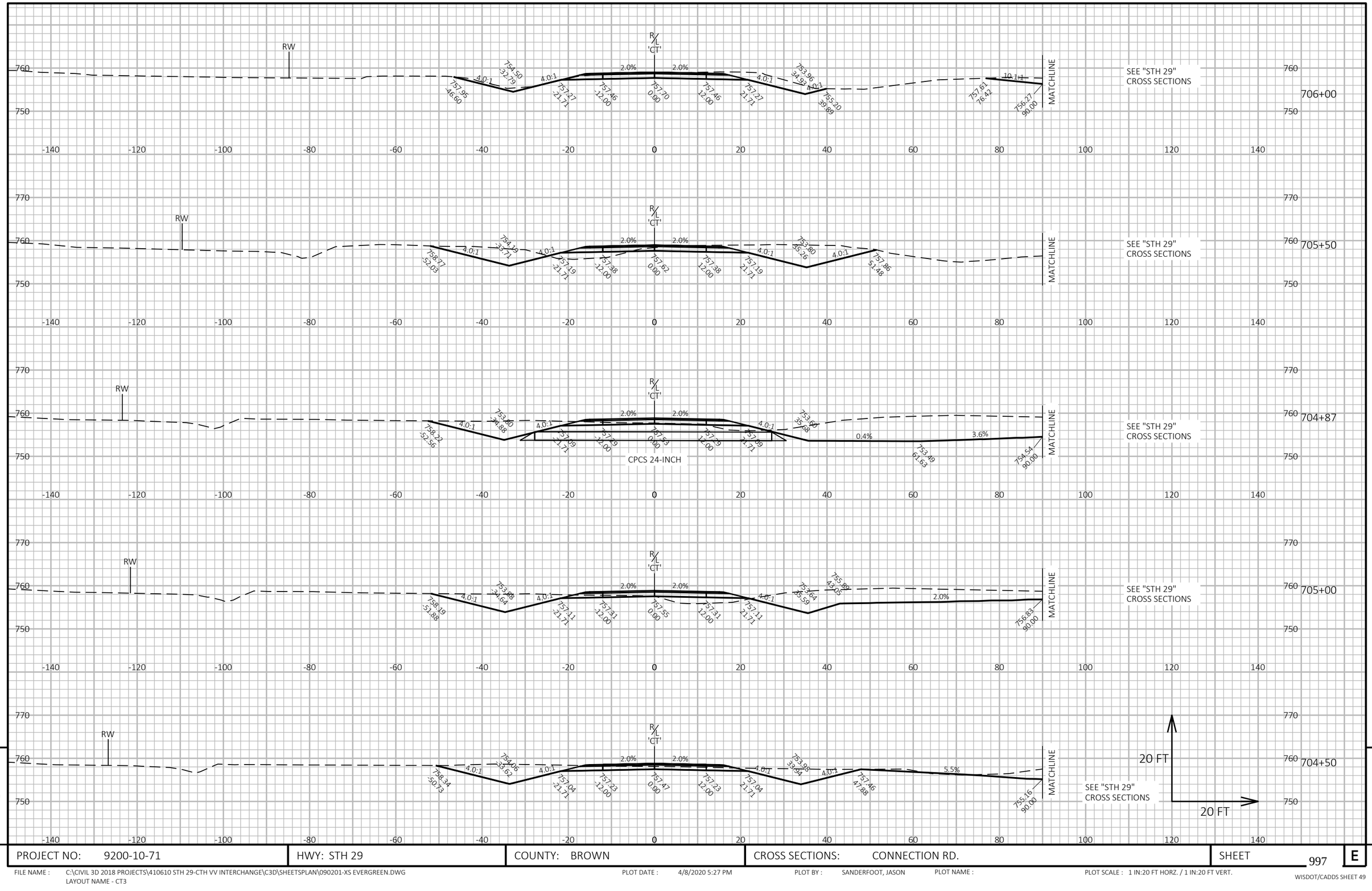
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CONNECTION RD.	SHEET 996	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - CT2

PLOT DATE : 4/8/2020 5:27 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

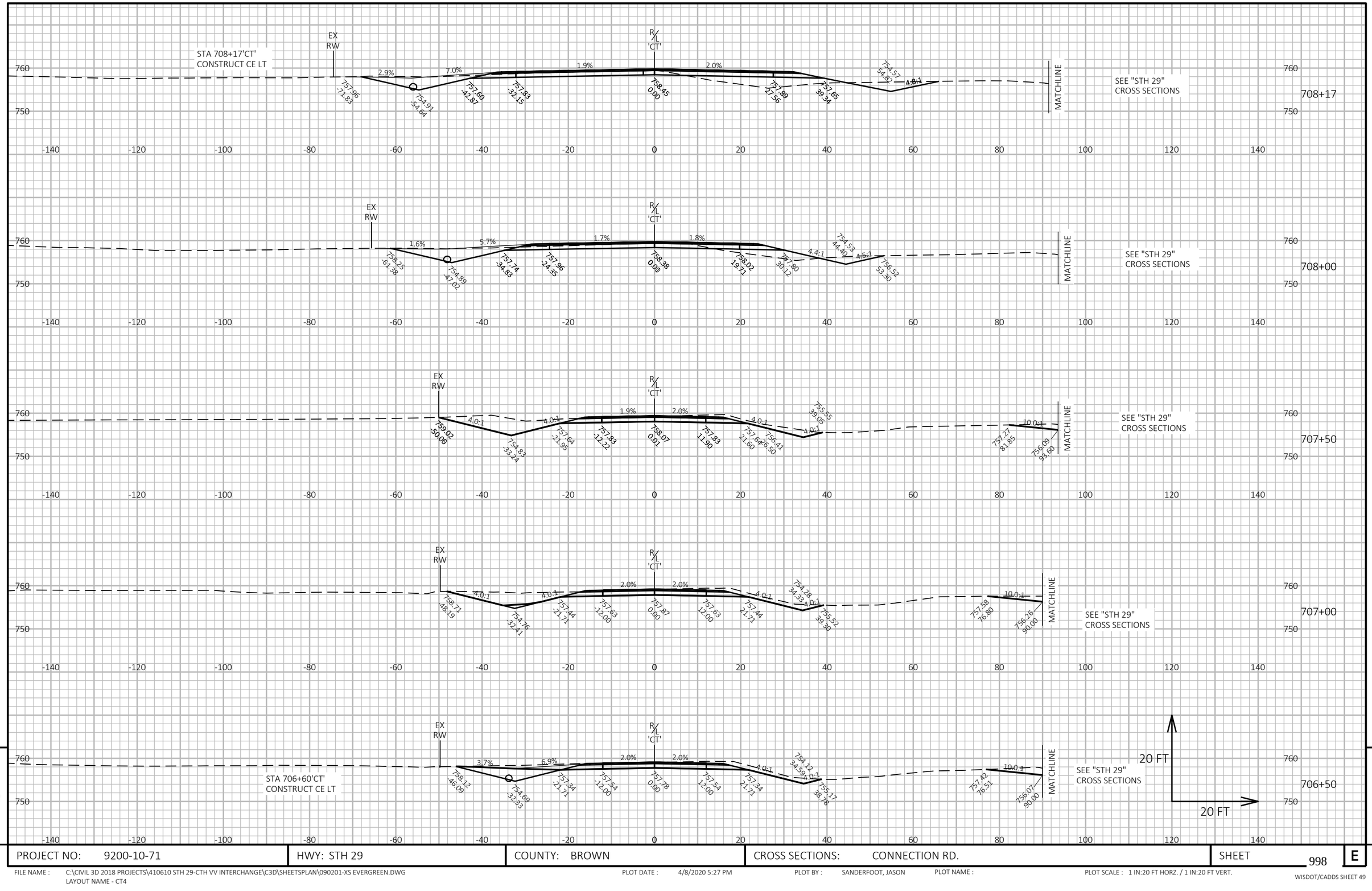


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CONNECTION RD.	SHEET 997 E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - CT3

PLOT DATE : 4/8/2020 5:27 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

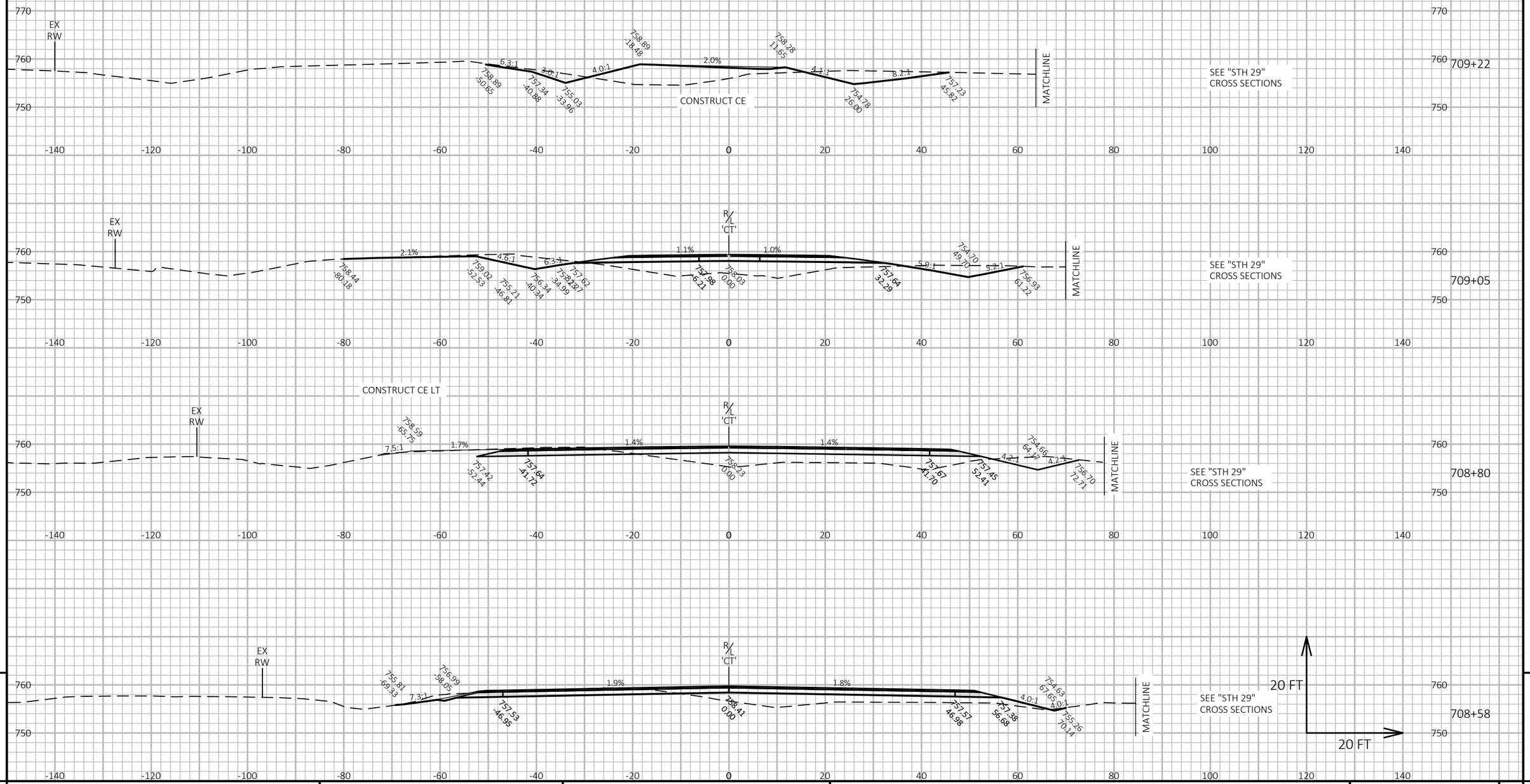
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CONNECTION RD.	SHEET 998	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - CT4

PLOT DATE : 4/8/2020 5:27 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION



9

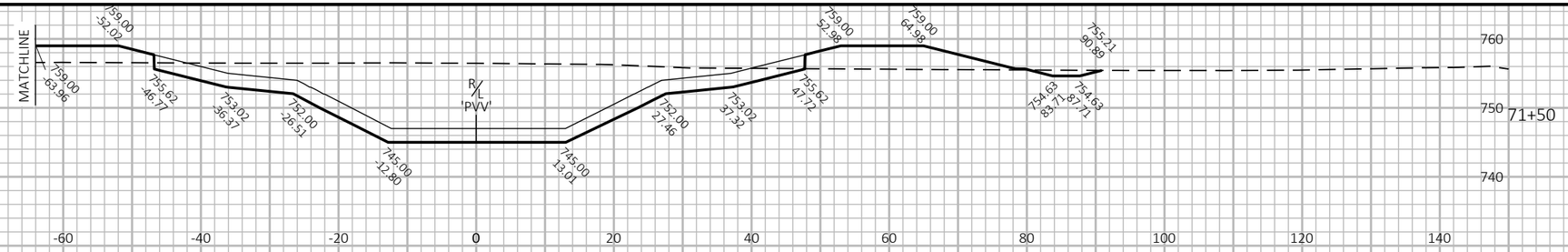
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CONNECTION RD.	SHEET 999	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EVERGREEN.DWG
LAYOUT NAME - CT5

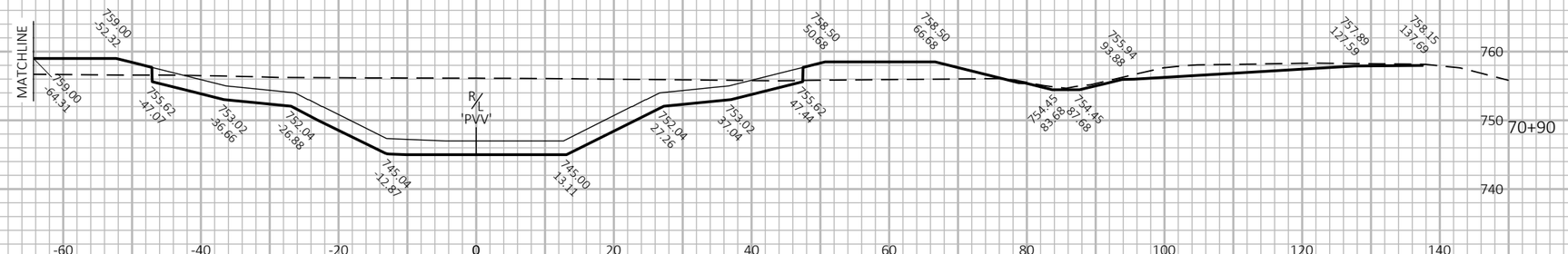
PLOT DATE : 4/8/2020 5:27 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

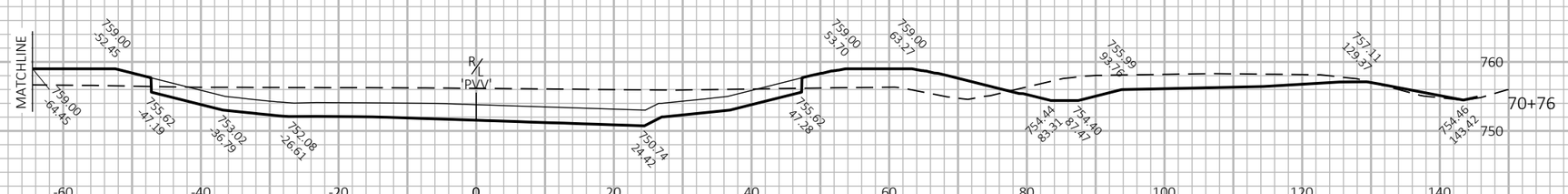
SEE "CTH VV" CROSS SECTIONS



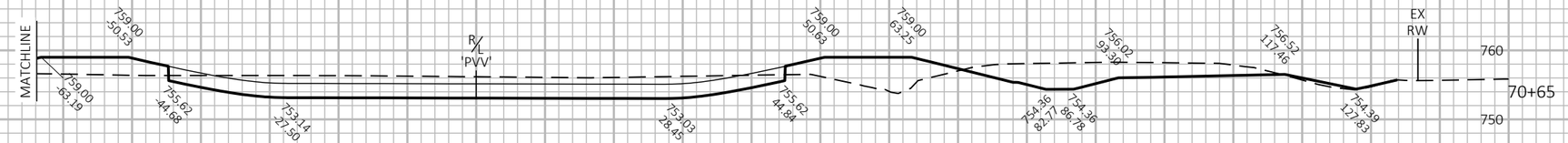
SEE "CTH VV" CROSS SECTIONS



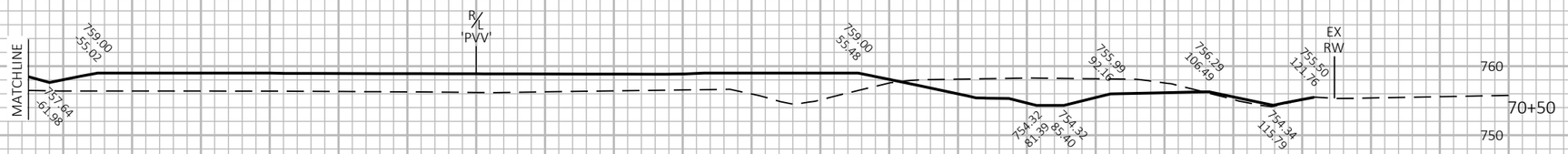
SEE "CTH VV" CROSS SECTIONS



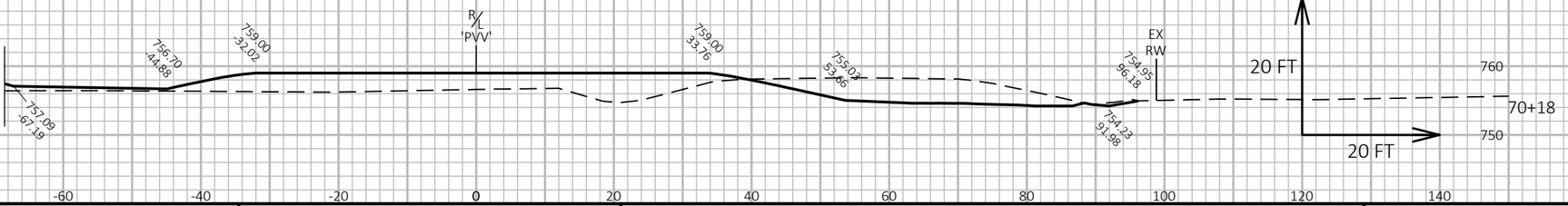
SEE "CTH VV" CROSS SECTIONS



SEE "CTH VV" CROSS SECTIONS



SEE "CTH VV" CROSS SECTIONS



9

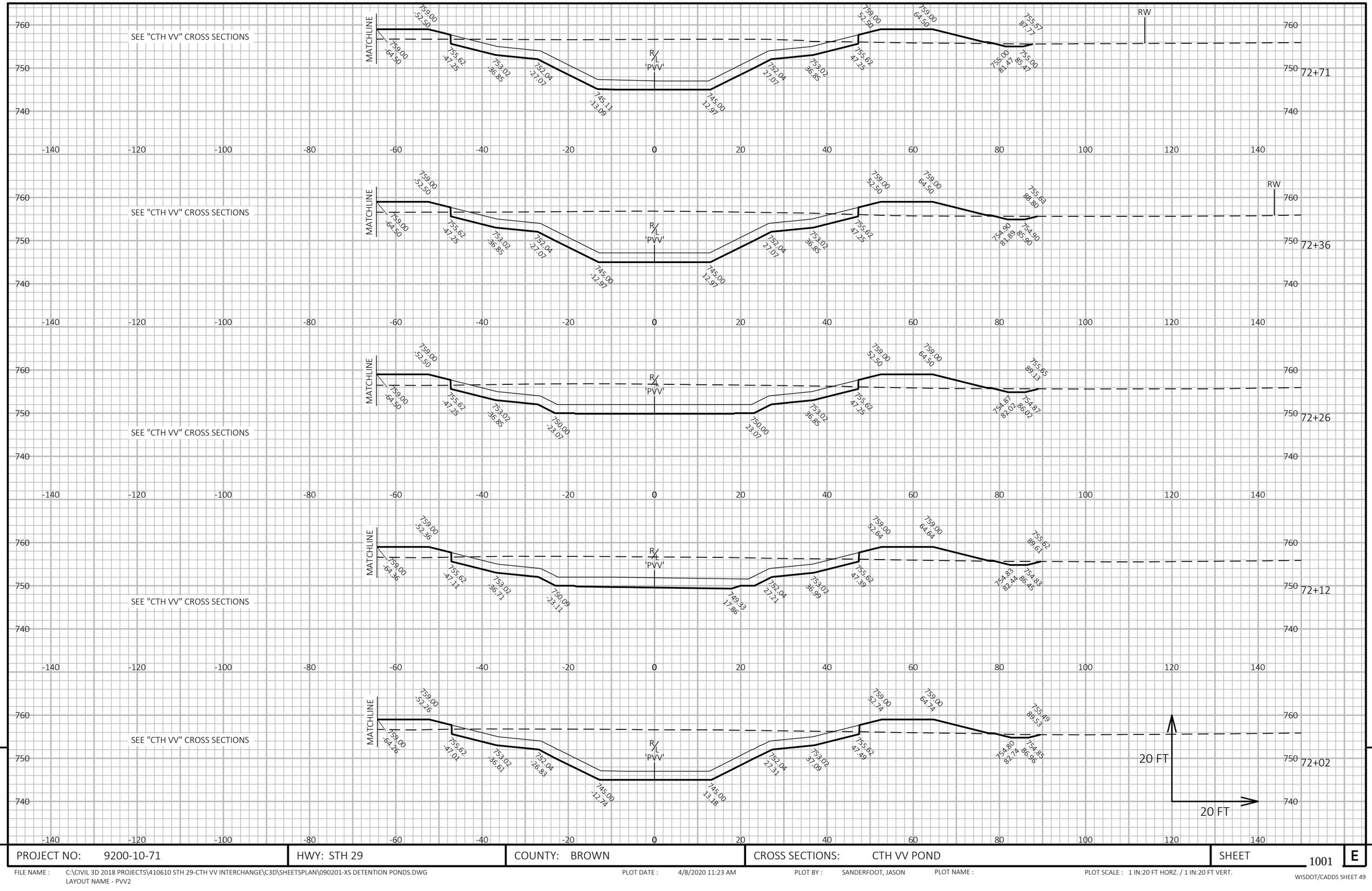
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH VV POND	SHEET 1000	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS DETENTION PONDS.DWG
LAYOUT NAME - PVV1

PLOT DATE : 4/8/2020 11:23 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

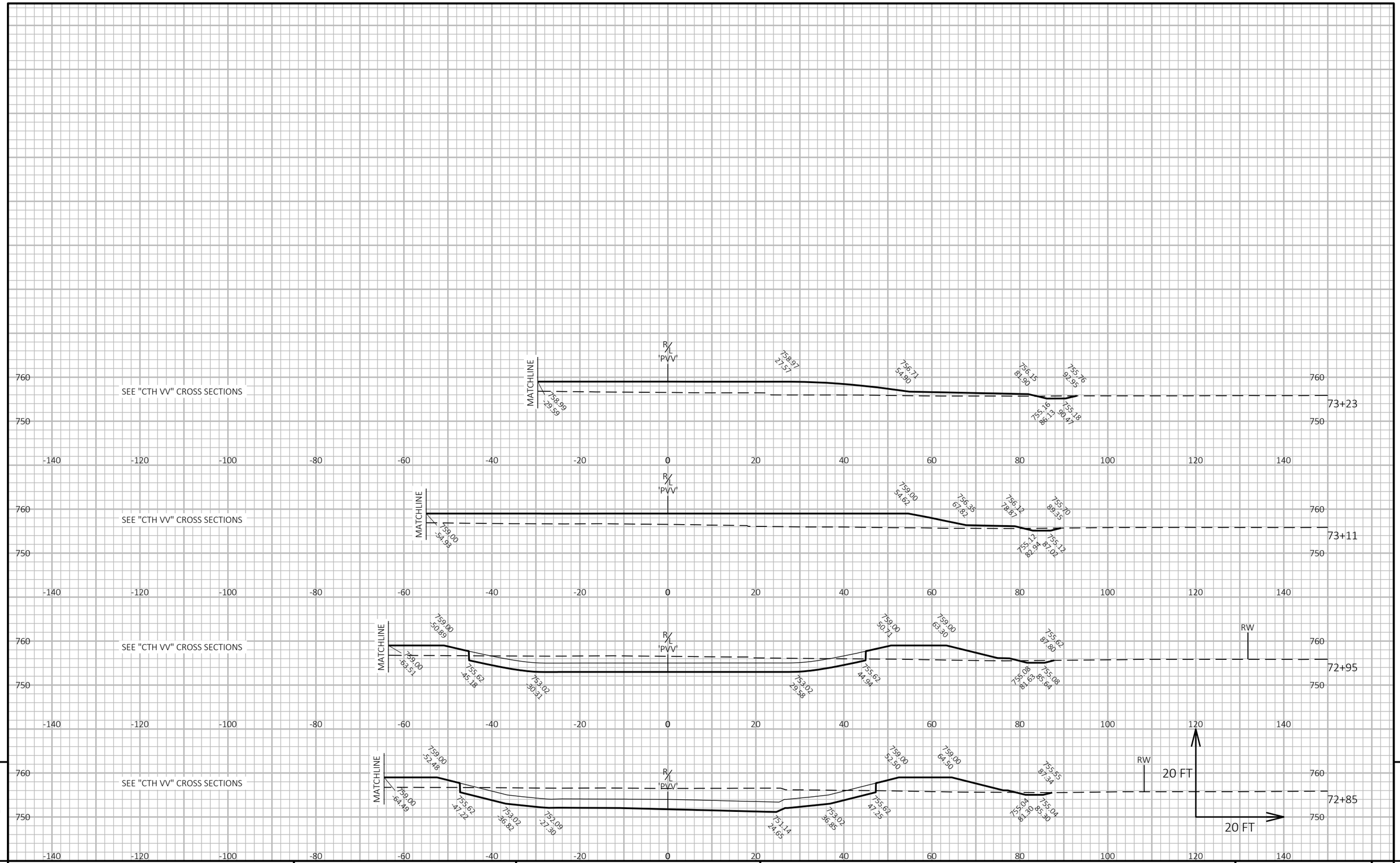


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH VV POND	SHEET 1001	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS DETENTION PONDS.DWG
LAYOUT NAME - PVV2

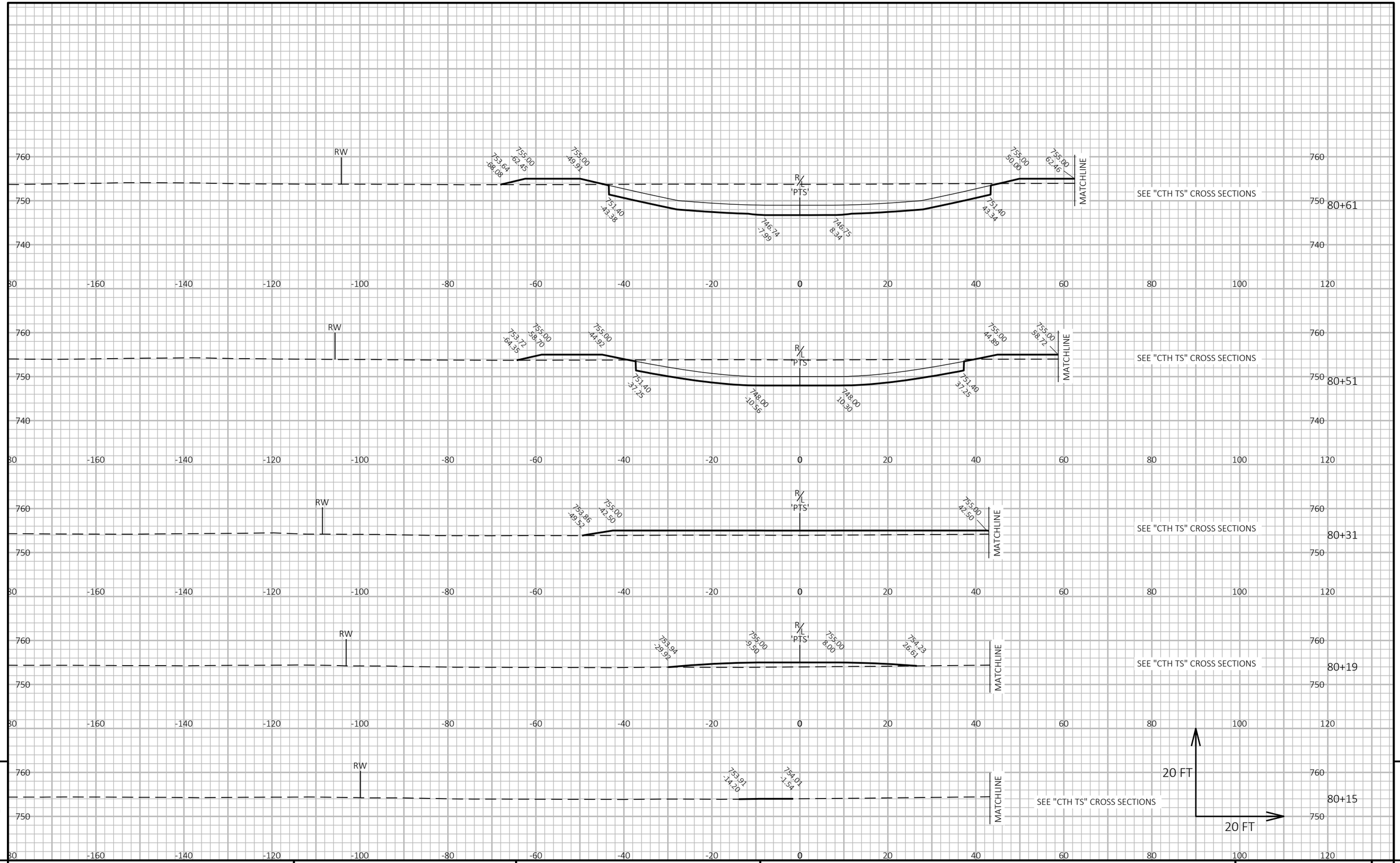
PLOT DATE : 4/8/2020 11:23 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH VV POND	SHEET 1002	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS DETENTION PONDS.DWG
LAYOUT NAME - PVV3
PLOT DATE : 4/8/2020 11:23 AM
PLOT BY : SANDERFOOT, JASON
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

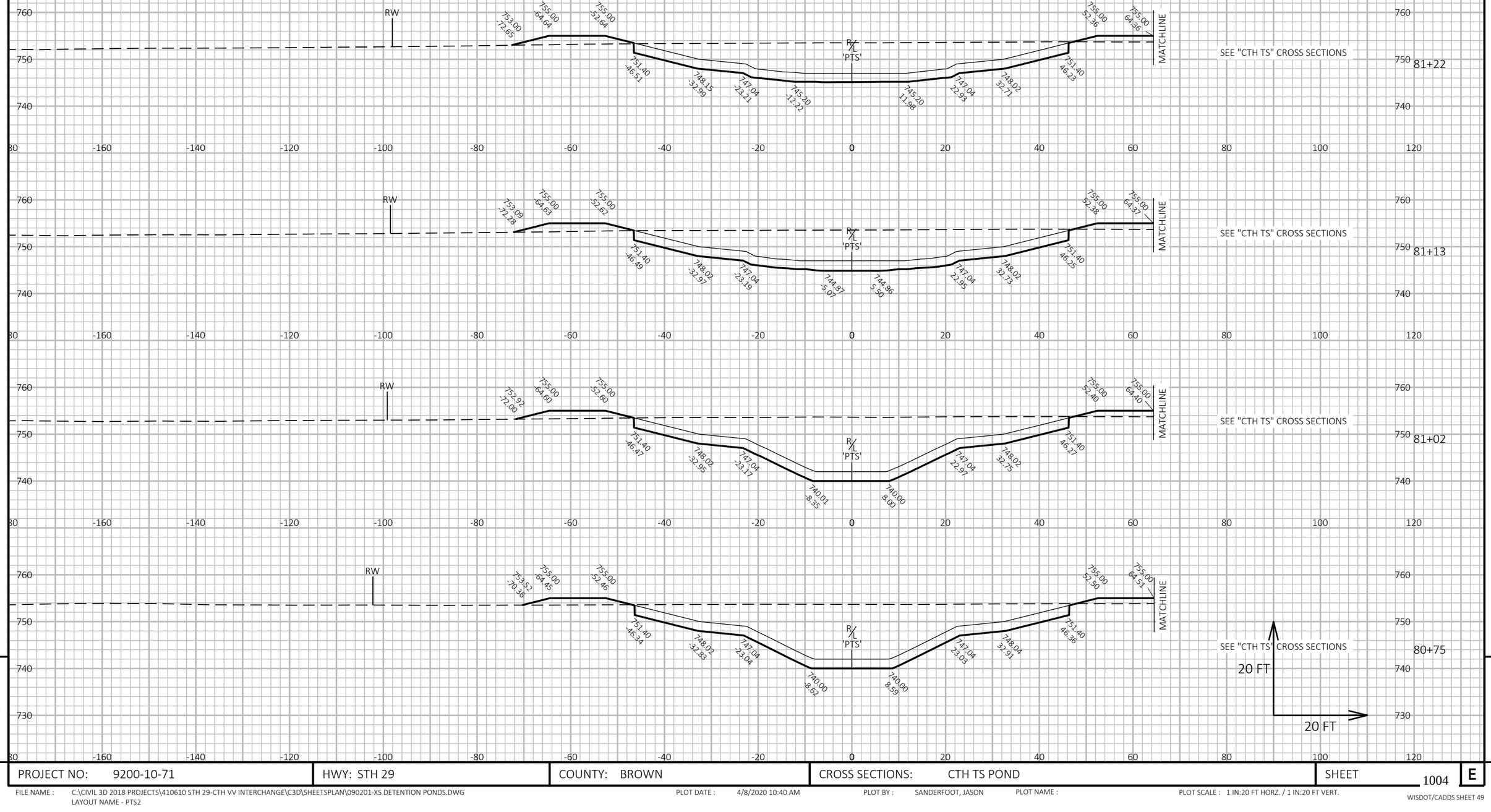
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH TS POND	SHEET 1003	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS DETENTION PONDS.DWG
LAYOUT NAME - PTS1

PLOT DATE : 4/8/2020 10:40 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

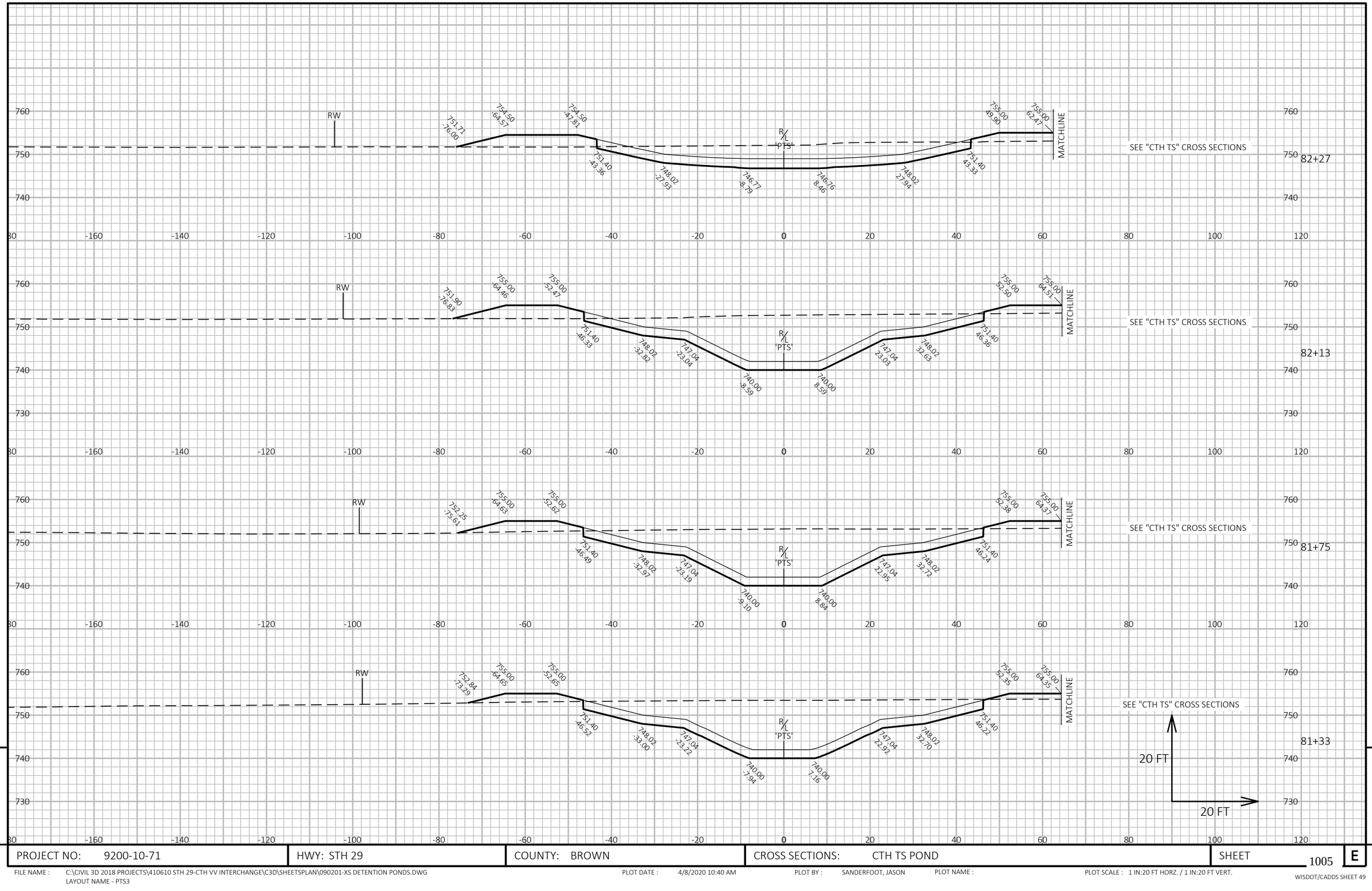
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH TS POND	SHEET 1004	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS DETENTION PONDS.DWG
LAYOUT NAME - PTS2

PLOT DATE : 4/8/2020 10:40 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

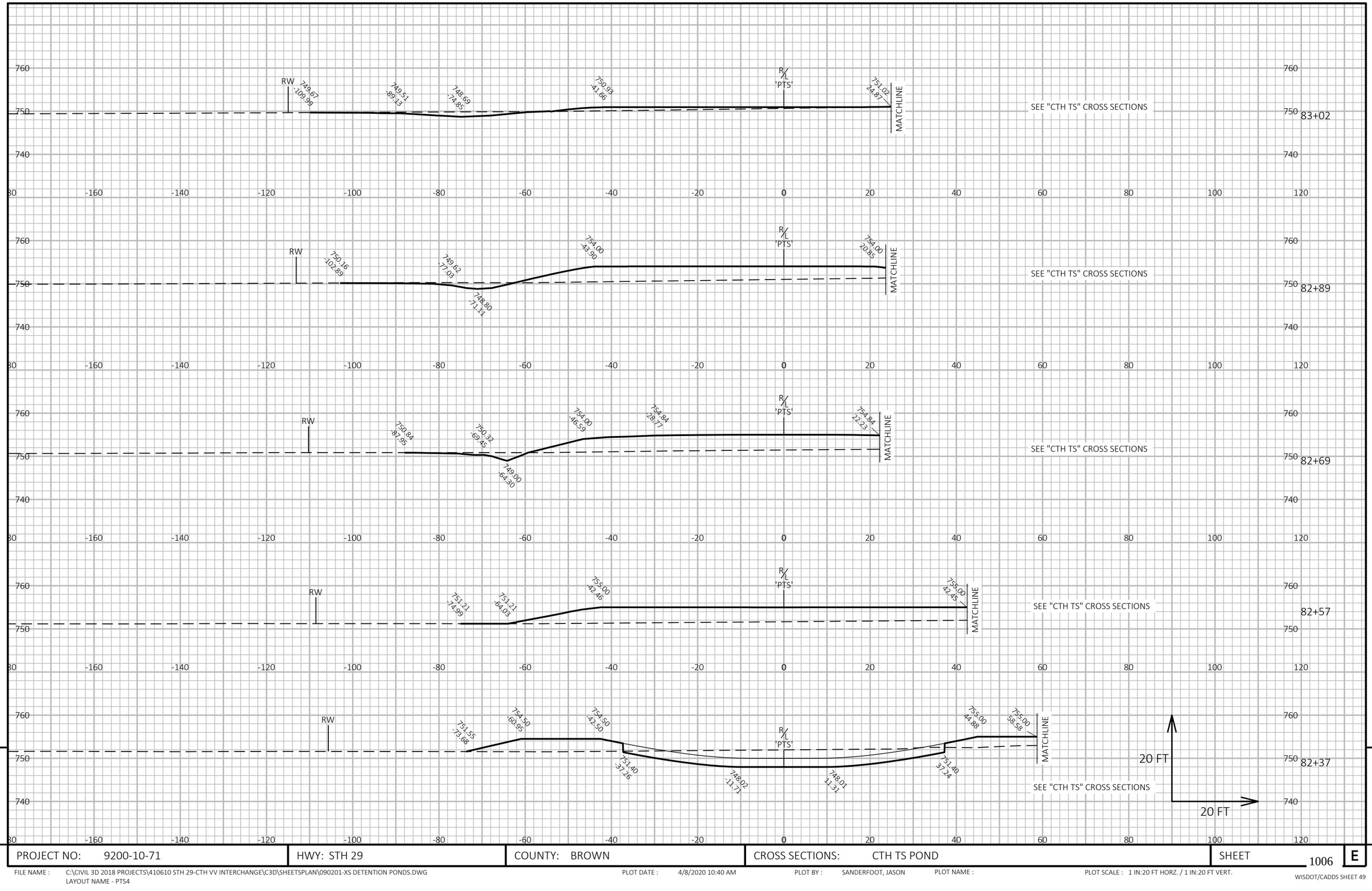
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH TS POND	SHEET 1005	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS DETENTION PONDS.DWG
LAYOUT NAME - PTS3

PLOT DATE : 4/8/2020 10:40 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH TS POND	SHEET 1006	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS DETENTION PONDS.DWG
LAYOUT NAME - PTS4

PLOT DATE : 4/8/2020 10:40 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

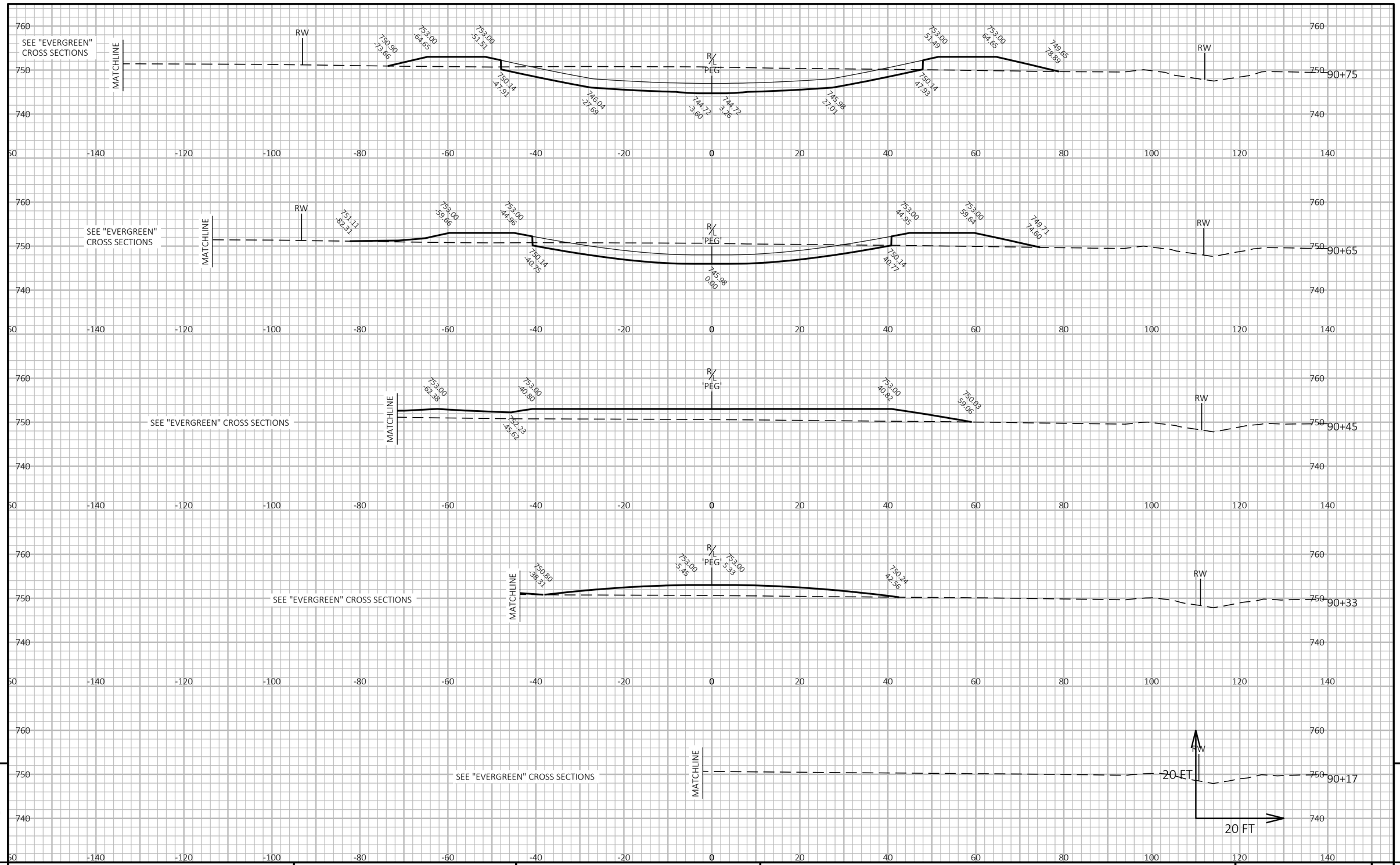
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: CTH TS POND	SHEET 1007	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS DETENTION PONDS.DWG
LAYOUT NAME - PTS5

PLOT DATE : 4/8/2020 10:41 AM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

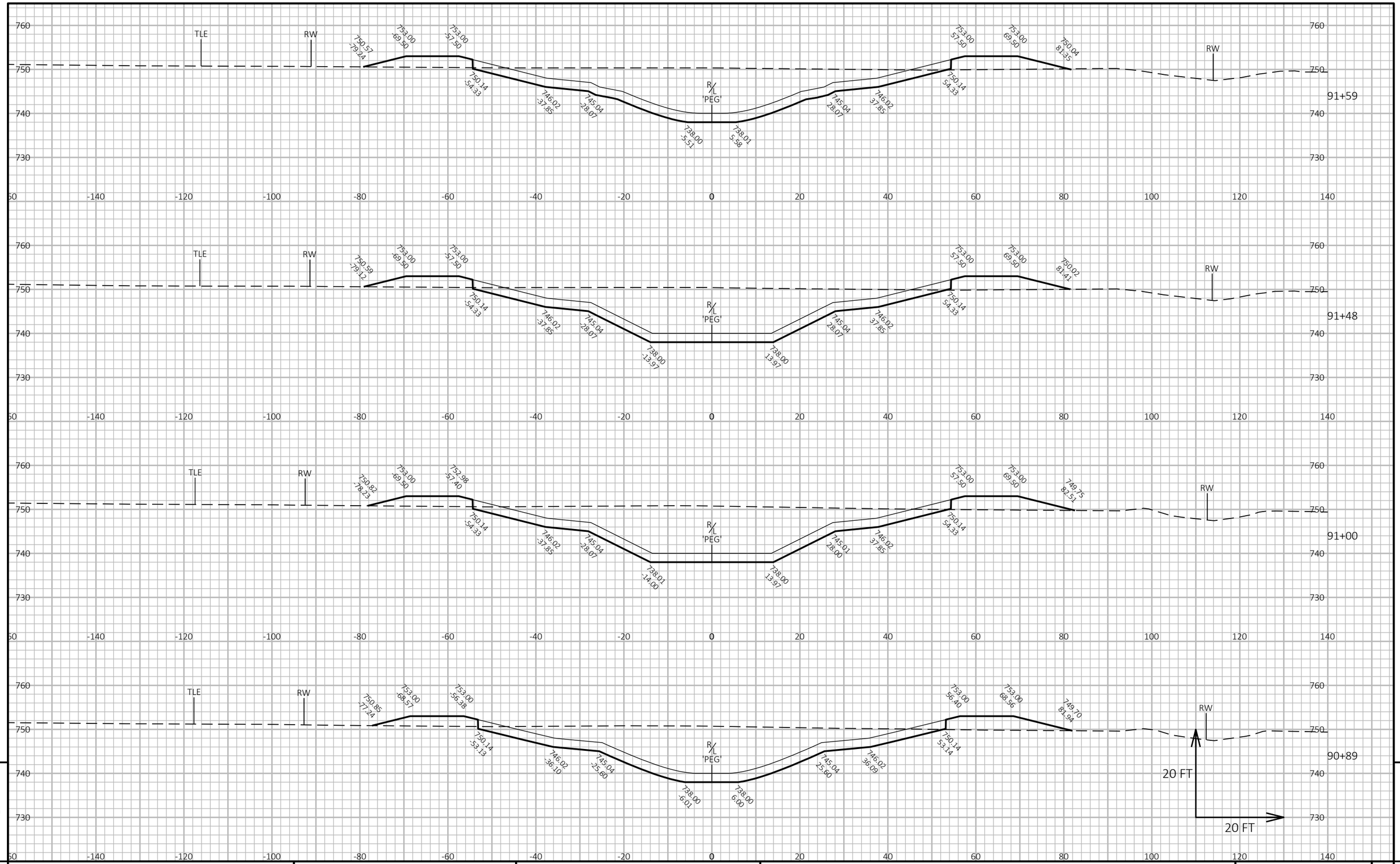


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE. POND	SHEET 1008 E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS DETENTION PONDS.DWG
LAYOUT NAME - PEG1

PLOT DATE : 4/9/2020 1:59 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE. POND	SHEET 1009	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS DETENTION PONDS.DWG
LAYOUT NAME - PEG2

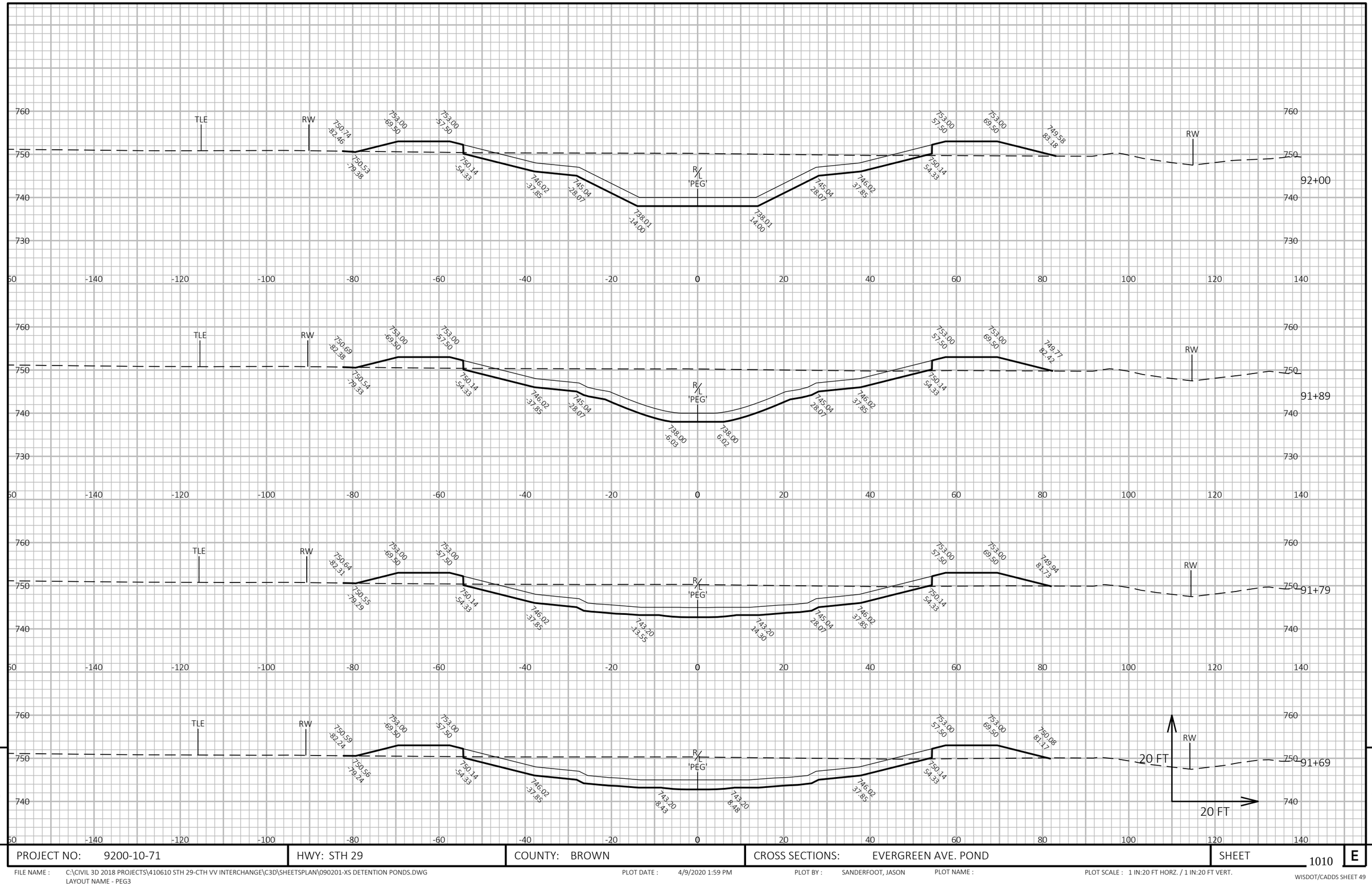
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PLOT BY : SANDERFOOT, JASON

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

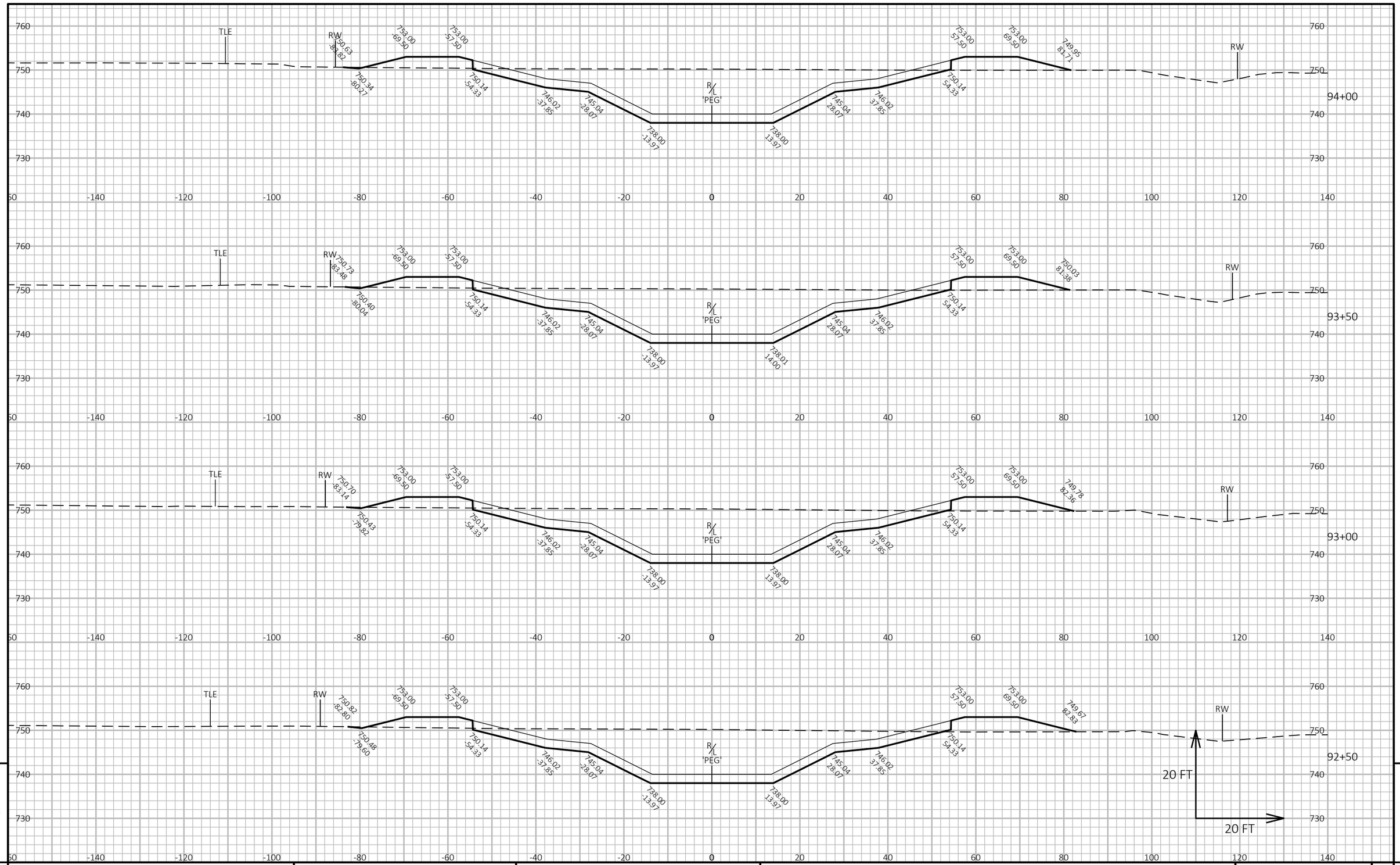
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PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE. POND	SHEET 1010	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS DETENTION PONDS.DWG
LAYOUT NAME - PEG3

PLOT DATE : 4/9/2020 1:59 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE. POND	SHEET 1011	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS DETENTION PONDS.DWG
LAYOUT NAME - PEG4

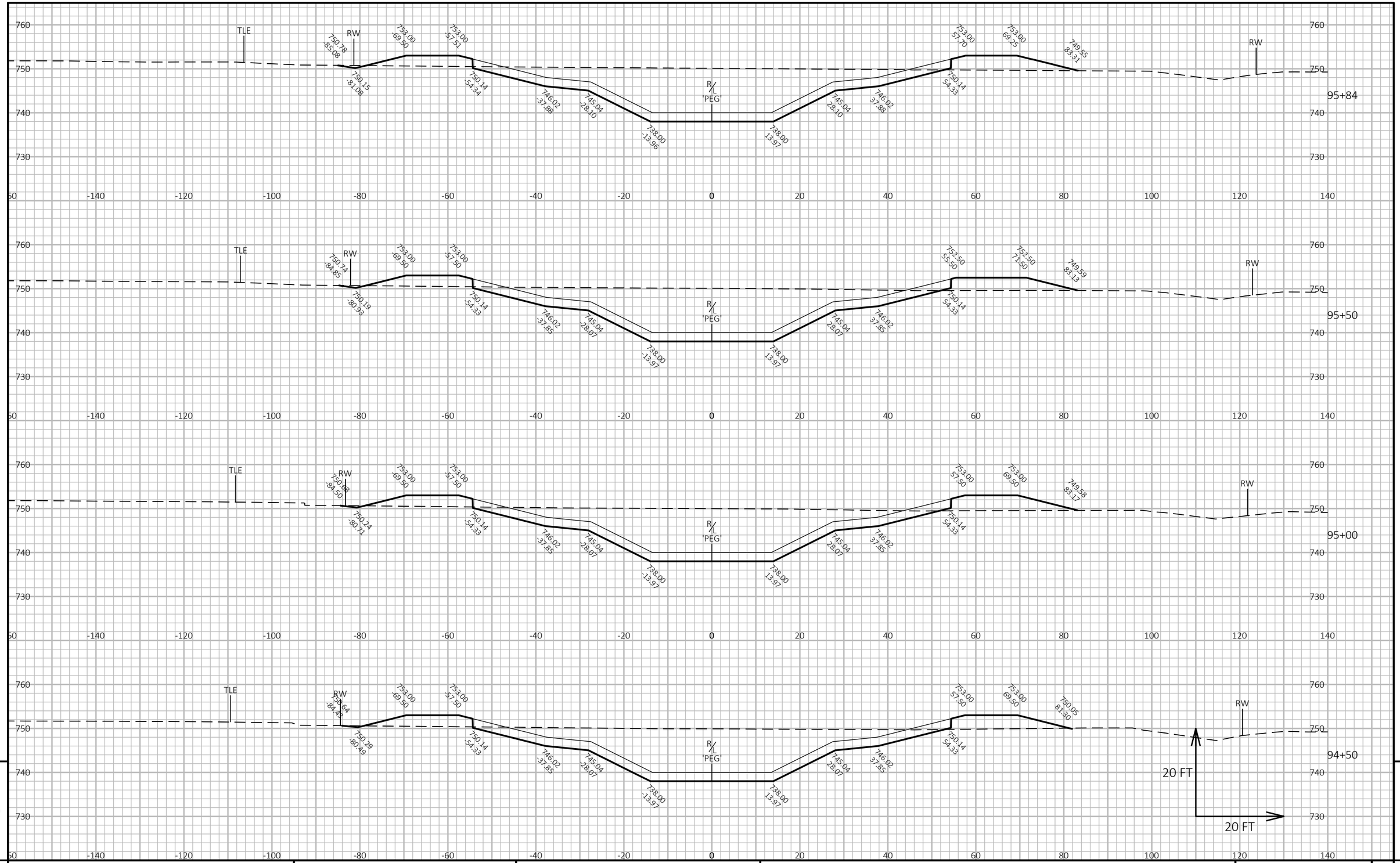
PLOT DATE : 4/9/2020 1:59 PM

PLOT BY : SANDERFOOT, JASON

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE. POND	SHEET 1012	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS DETENTION PONDS.DWG
LAYOUT NAME - PEG5

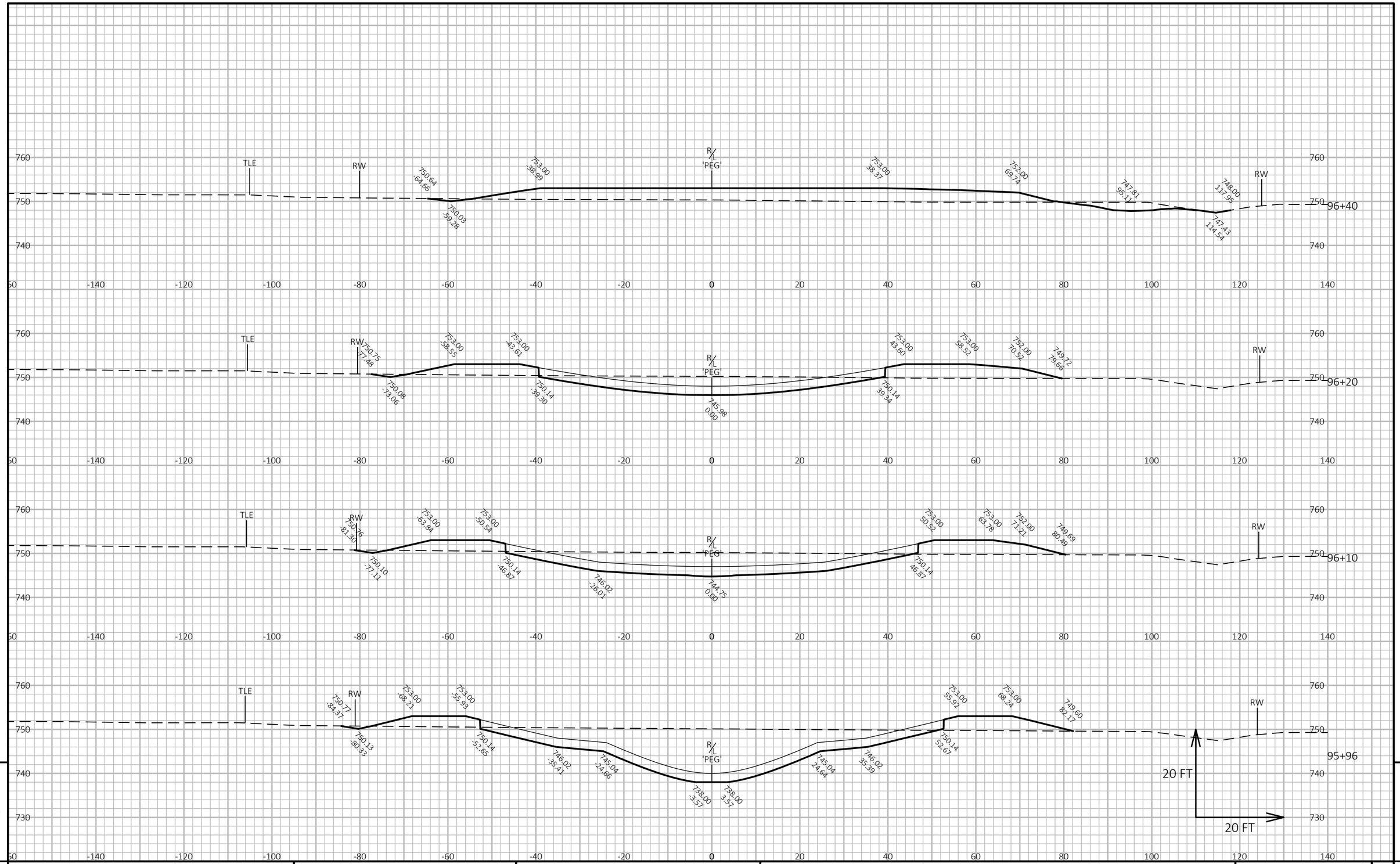
PLOT DATE : 4/9/2020 1:59 PM

PLOT BY : SANDERFOOT, JASON

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE. POND	SHEET 1013	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS DETENTION PONDS.DWG
LAYOUT NAME - PEG6

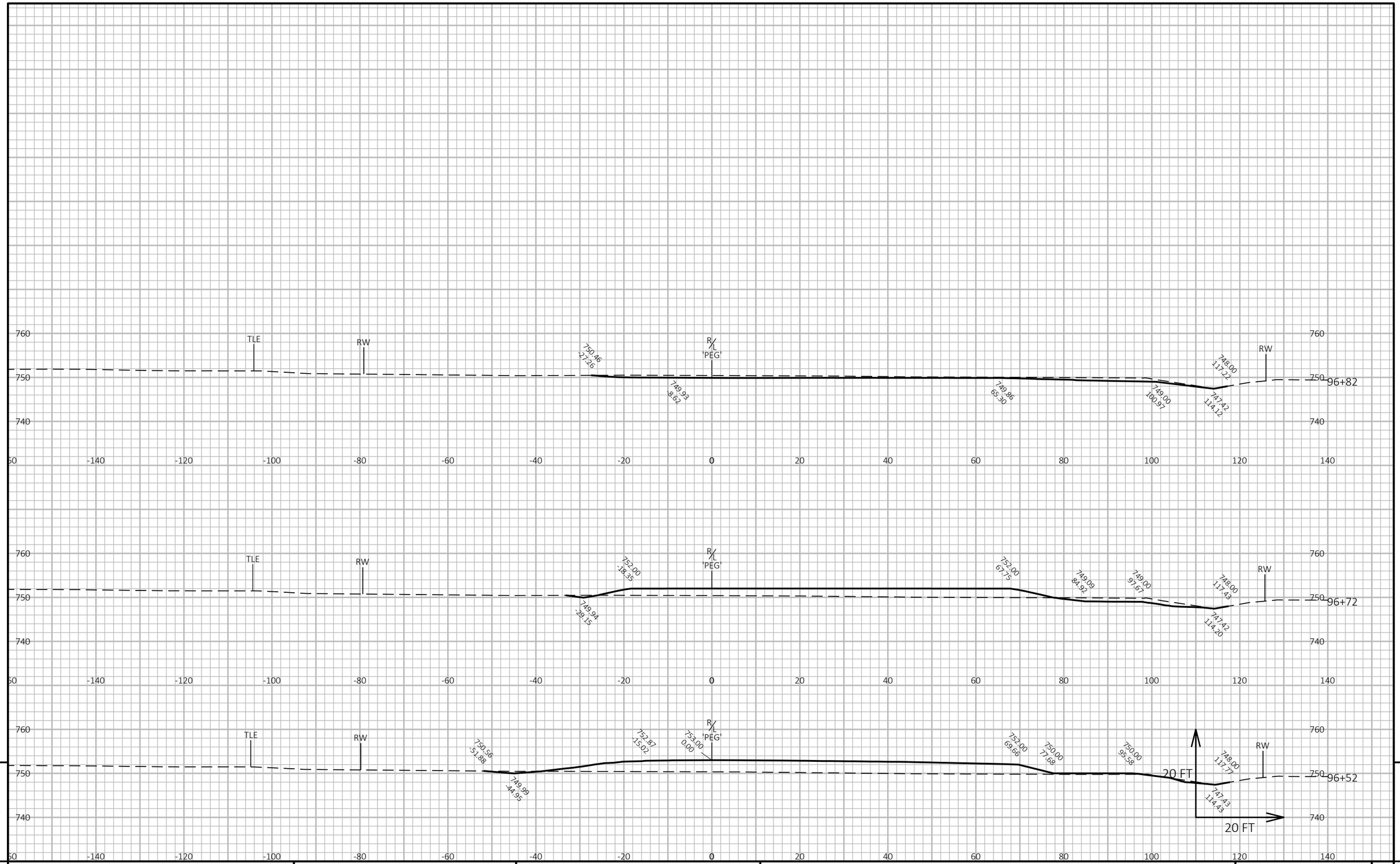
PLOT DATE : 4/9/2020 1:59 PM

PLOT BY : SANDERFOOT, JASON

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EVERGREEN AVE. POND	SHEET 1014	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS DETENTION PONDS.DWG
LAYOUT NAME - PEG7

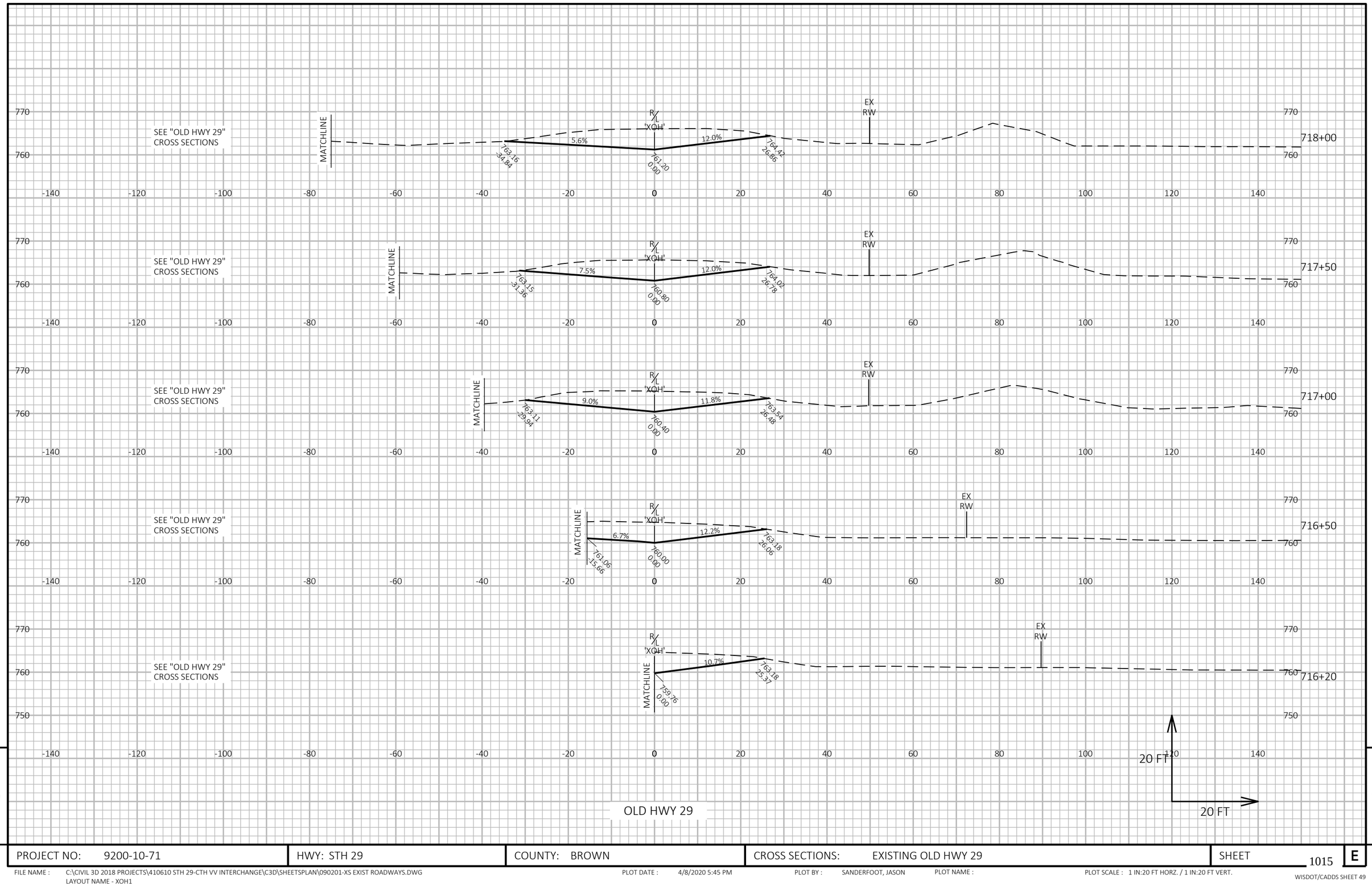
PLOT DATE : 4/9/2020 1:59 PM

PLOT BY : SANDERFOOT, JASON

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

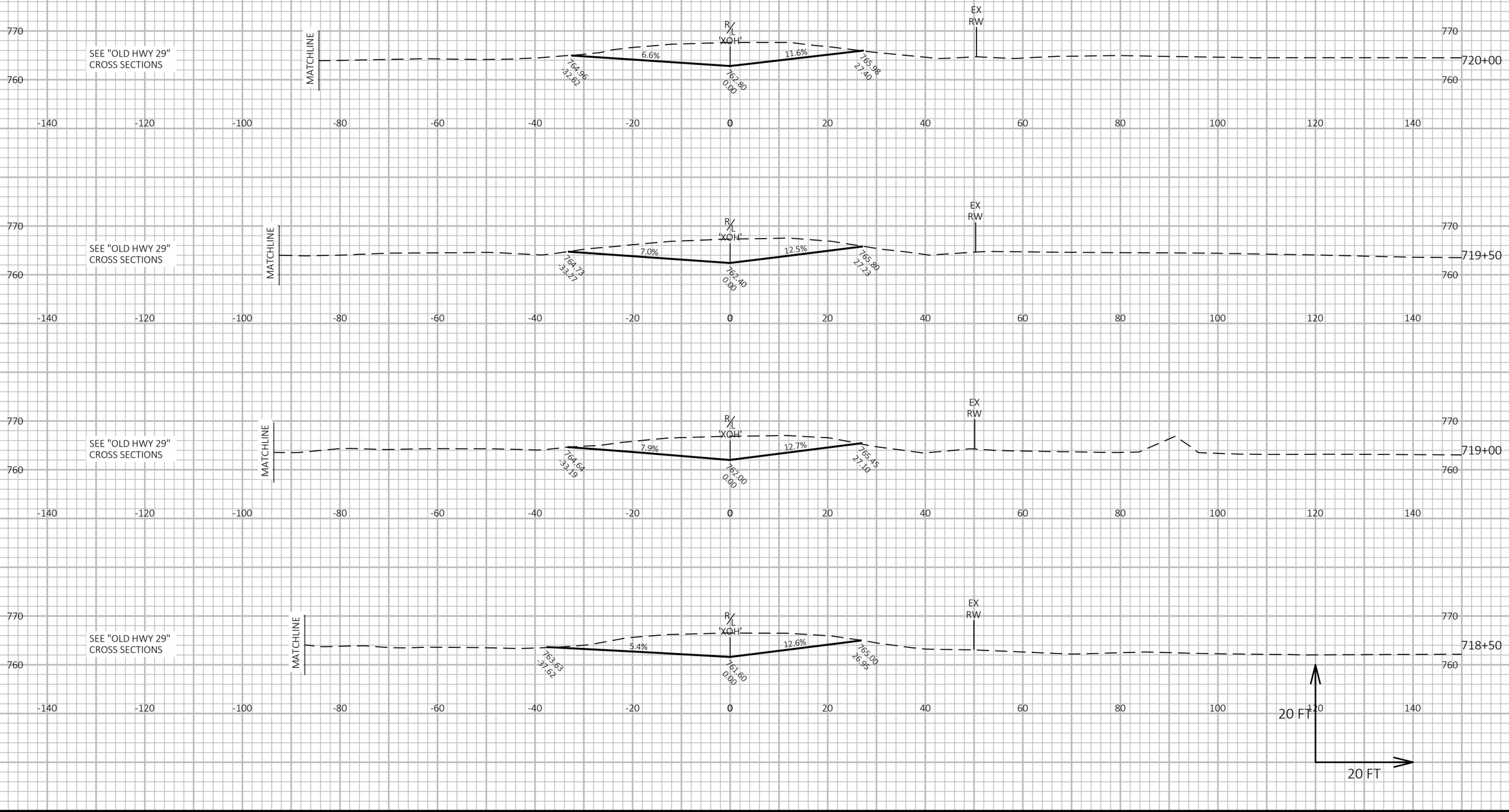


PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EXISTING OLD HWY 29	SHEET 1015	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EXIST ROADWAYS.DWG
LAYOUT NAME - XOH1

PLOT DATE : 4/8/2020 5:45 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EXISTING OLD HWY 29	SHEET 1016	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EXIST ROADWAYS.DWG
LAYOUT NAME - XOH2

PLOT DATE : 4/8/2020 5:45 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

OLD HWY 29

780
770
760

-140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140

SEE "OLD HWY 29" CROSS SECTIONS

EX RW

R/L 'XOH'

MATCHLINE

9.4%

767.27
26.94

765.10
1.08

721+41

SEE "OLD HWY 29" CROSS SECTIONS

EX RW

R/L 'XOH'

MATCHLINE

2.6%

9.8%

764.49
39.05

763.61
4.64

766.77
27.80

721+00

SEE "OLD HWY 29" CROSS SECTIONS

EX RW

R/L 'XOH'

MATCHLINE

5.6%

11.3%

764.94
20.81

763.20
0.00

766.31
27.58

720+50

20 FT

20 FT

9

9

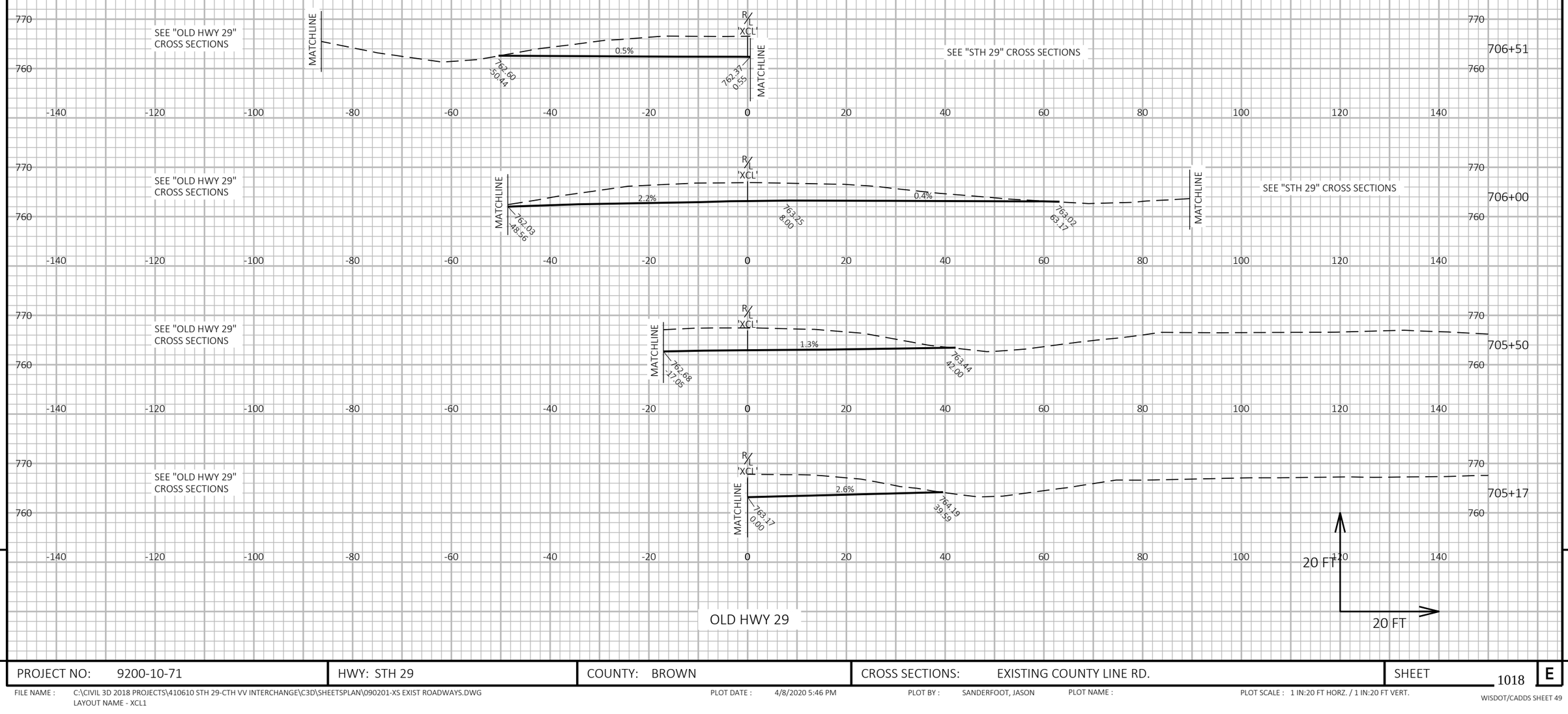
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EXISTING OLD HWY 29	SHEET 1017	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EXIST ROADWAYS.DWG
LAYOUT NAME - XOH3

PLOT DATE : 4/8/2020 5:45 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

STH 29



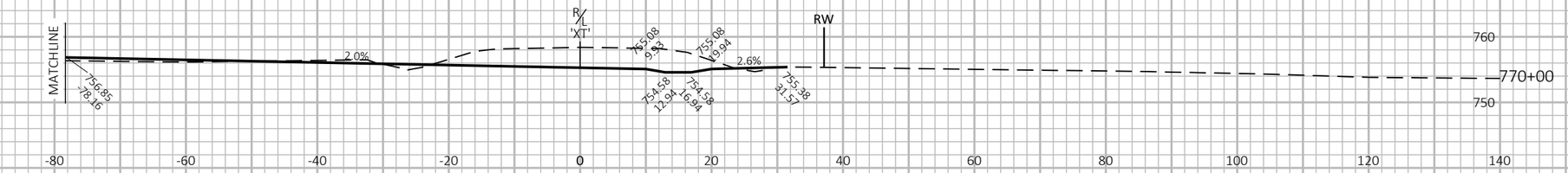
OLD HWY 29

9 9

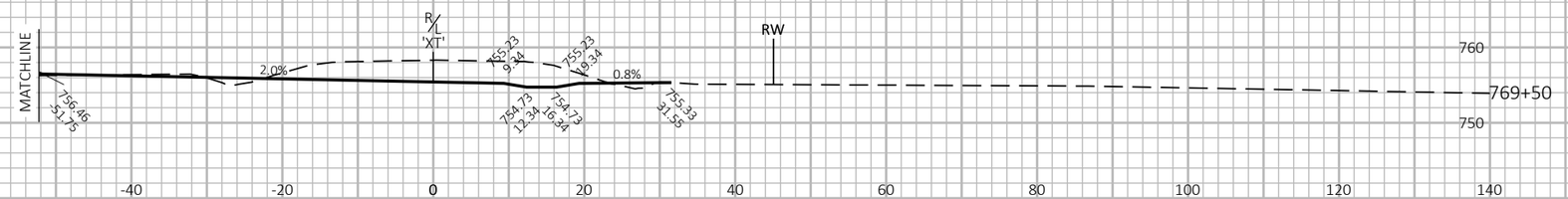
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EXISTING COUNTY LINE RD.	SHEET 1018	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EXIST ROADWAYS.DWG
LAYOUT NAME - XCL1
PLOT DATE : 4/8/2020 5:46 PM
PLOT BY : SANDERFOOT, JASON
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

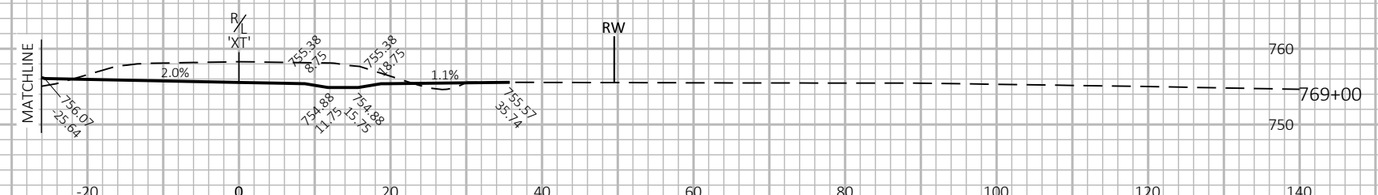
SEE "CTH VV"
CROSS SECTIONS



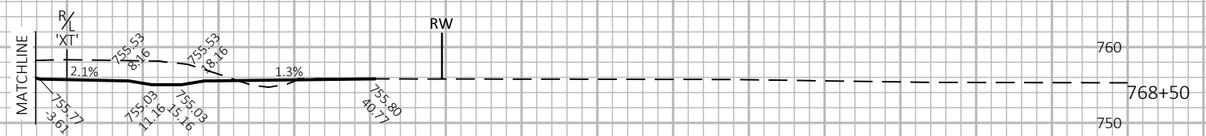
SEE "CTH VV"
CROSS SECTIONS



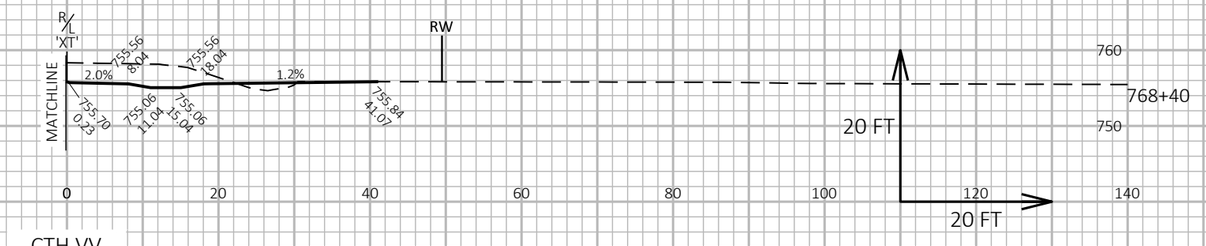
SEE "CTH VV"
CROSS SECTIONS



SEE "CTH VV"
CROSS SECTIONS



SEE "CTH VV"
CROSS SECTIONS



CTH VV

9

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EXISTING TRIANGLE DR.	SHEET 1019	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EXIST ROADWAYS.DWG
LAYOUT NAME - XT1
PLOT DATE : 4/8/2020 5:47 PM
PLOT BY : SANDERFOOT, JASON
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

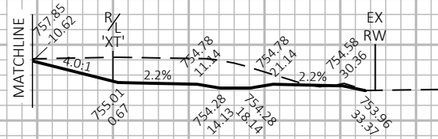
CTH VV POND

SEE "CTH VV POND" CROSS SECTIONS



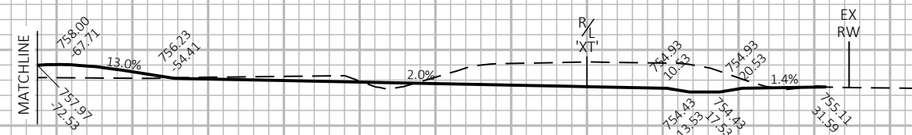
771+08

SEE "CTH VV POND" CROSS SECTIONS



771+00

SEE "CTH VV POND" CROSS SECTIONS

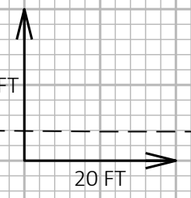


770+50

SEE "CTH VV" CROSS SECTIONS



770+31



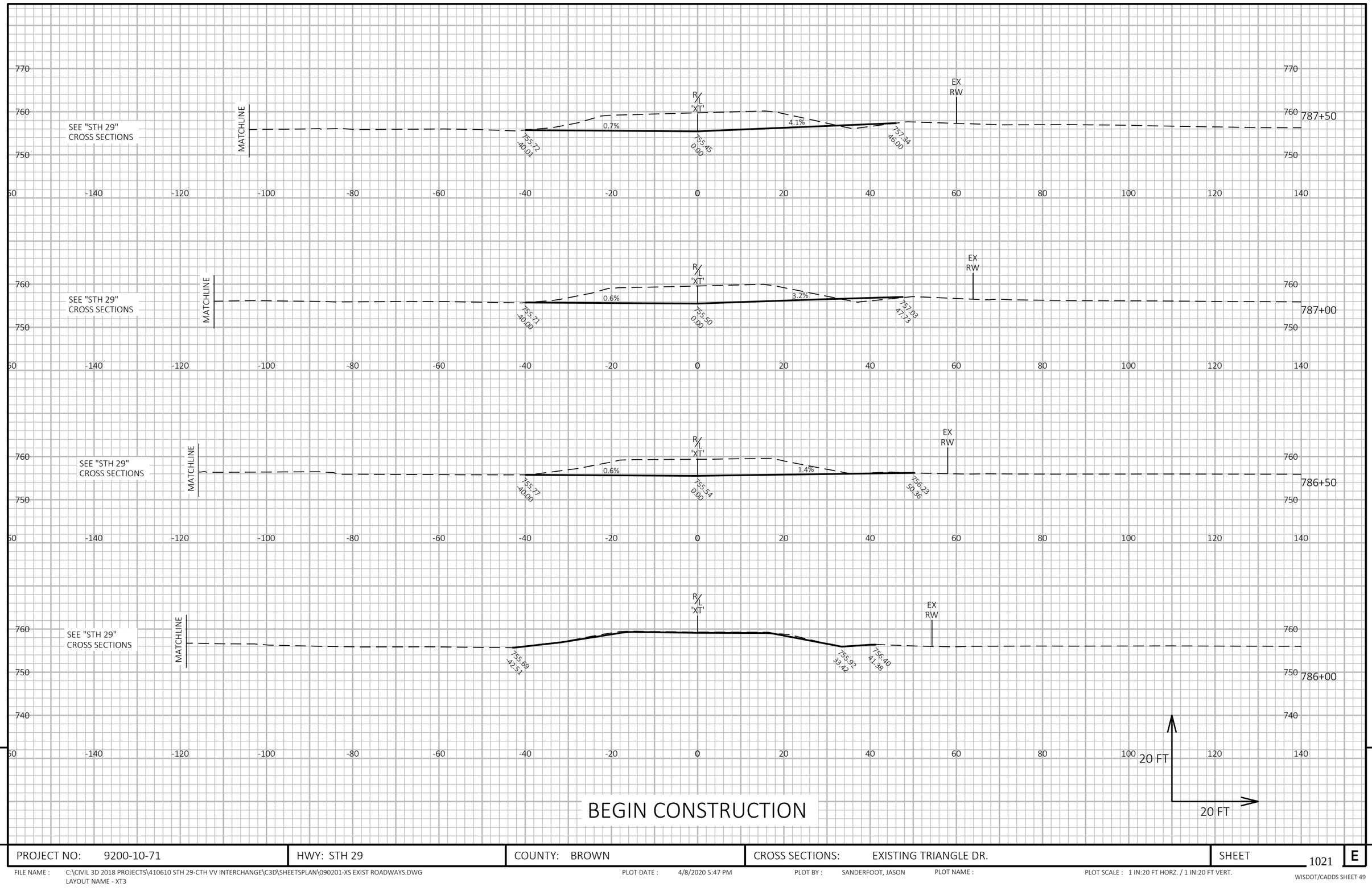
9 9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EXISTING TRIANGLE DR.	SHEET 1020	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EXIST ROADWAYS.DWG
LAYOUT NAME - XT2

PLOT DATE : 4/8/2020 5:47 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EXISTING TRIANGLE DR.	SHEET 1021	E

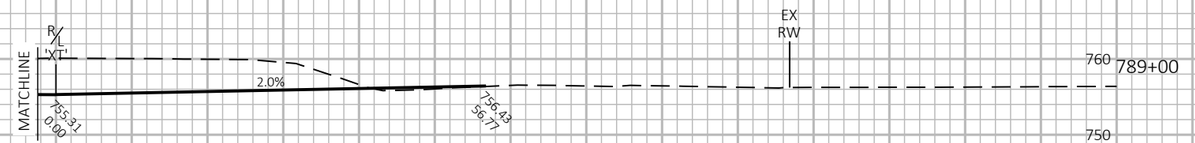
FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EXIST ROADWAYS.DWG
LAYOUT NAME - XT3

PLOT DATE : 4/8/2020 5:47 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

STH 29

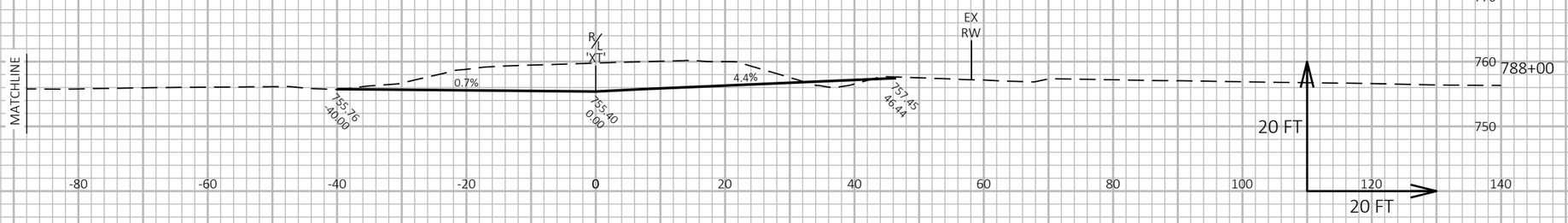
SEE "STH 29"
CROSS SECTIONS



SEE "STH 29"
CROSS SECTIONS



SEE "STH 29"
CROSS SECTIONS



PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EXISTING TRIANGLE DR.	SHEET 1022	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EXIST ROADWAYS.DWG
LAYOUT NAME - XT4

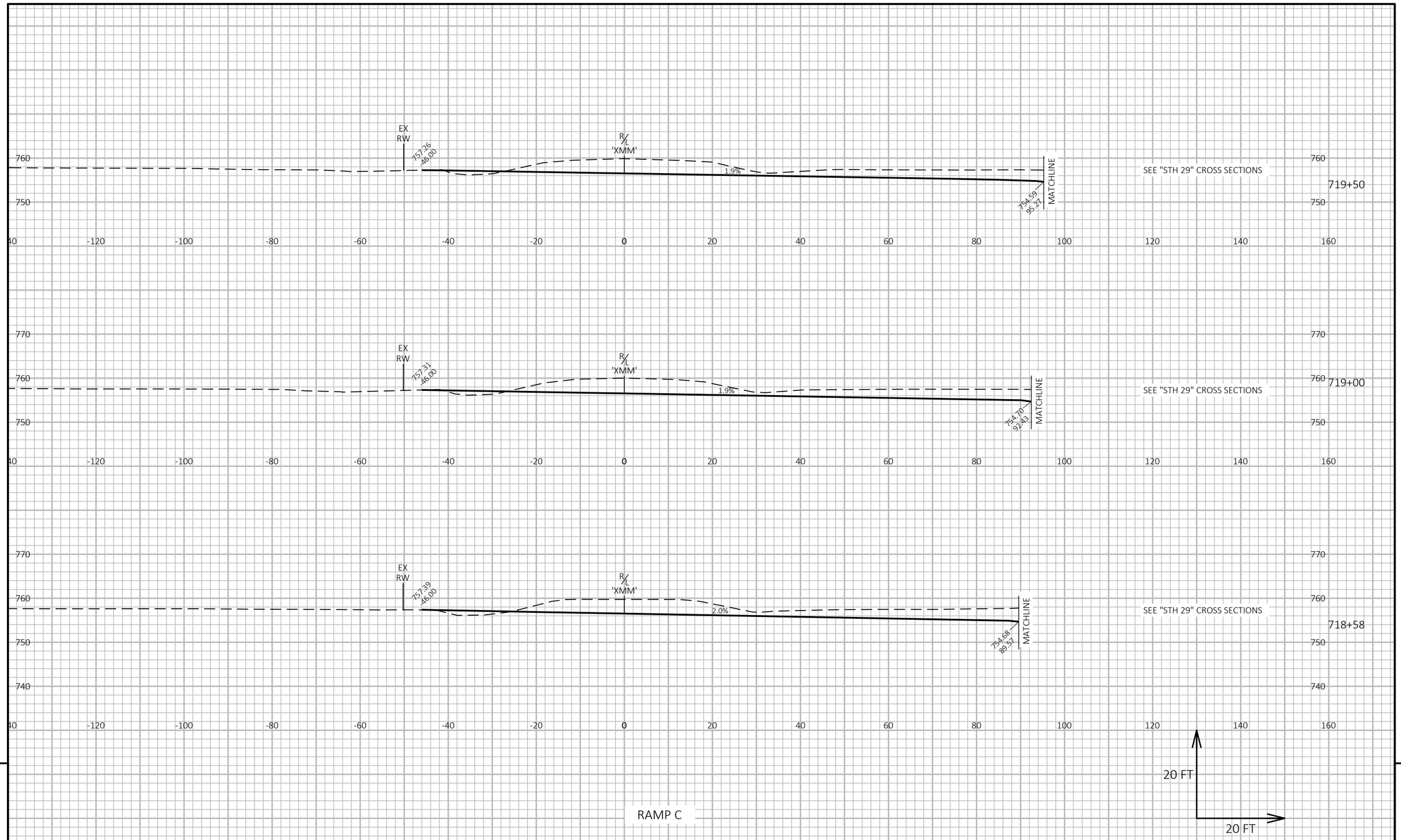
PLOT DATE : 4/8/2020 5:47 PM

PLOT BY : SANDERFOOT, JASON

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



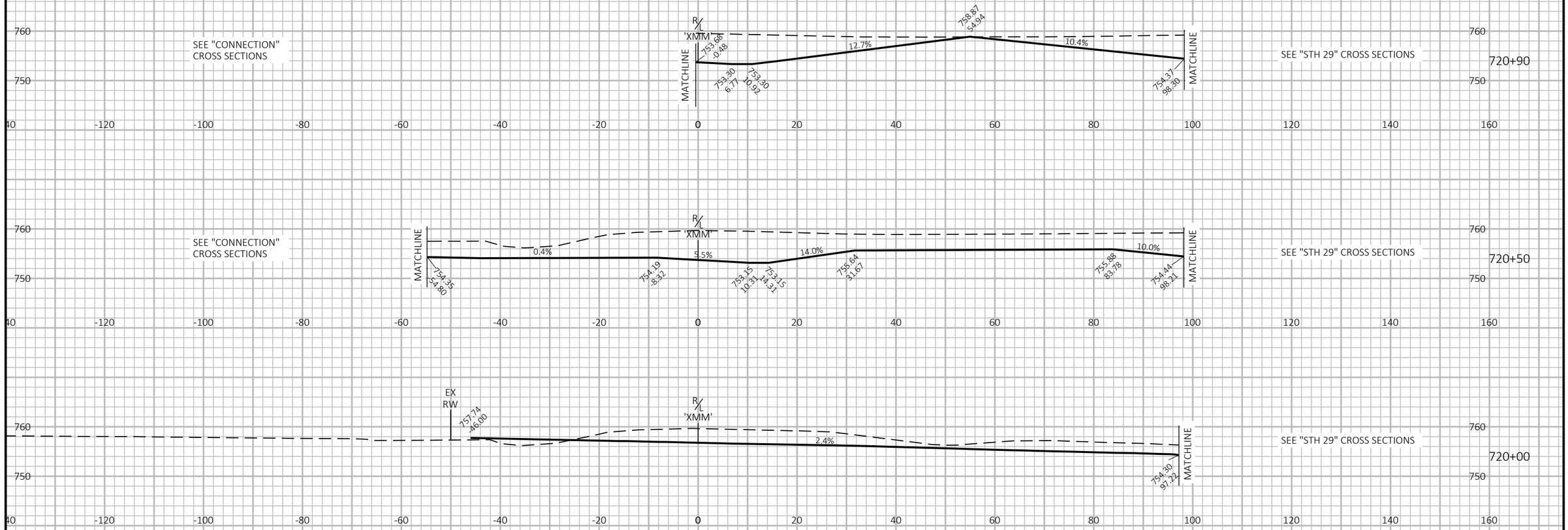
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EXISTING MARLEY ST.	SHEET 1023	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EXIST ROADWAYS.DWG
LAYOUT NAME - XMM1

PLOT DATE : 4/8/2020 5:47 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

STH 29



9 9

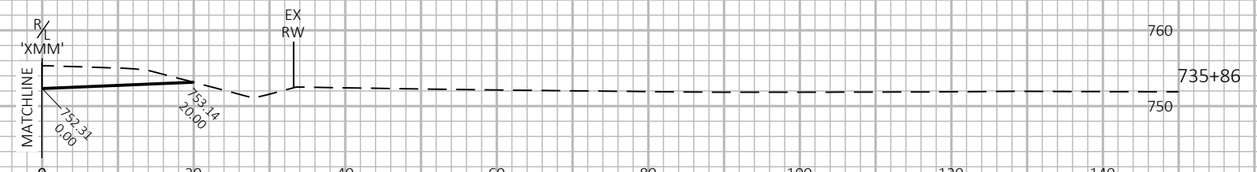
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EXISTING MARLEY ST.	SHEET 1024	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EXIST ROADWAYS.DWG
LAYOUT NAME - XMM2

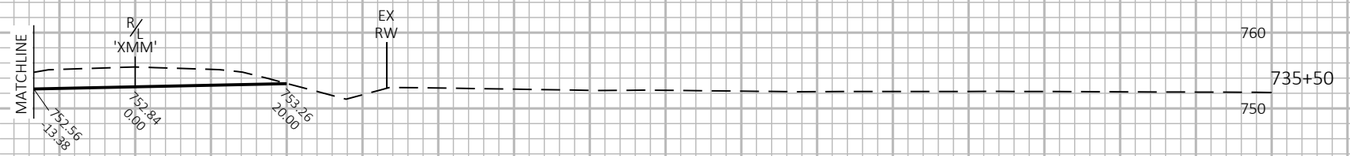
PLOT DATE : 4/8/2020 5:47 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

EVERGREEN AVE.

SEE "EVERGREEN" CROSS SECTIONS



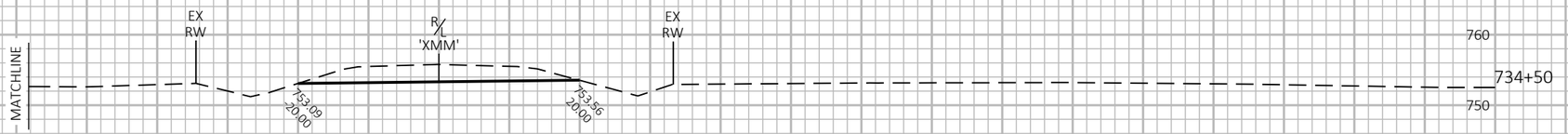
SEE "EVERGREEN" CROSS SECTIONS



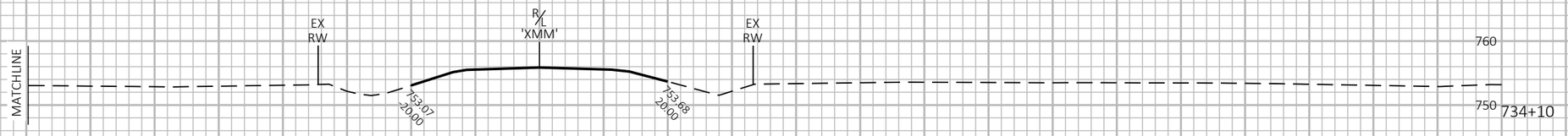
SEE "EVERGREEN" CROSS SECTIONS

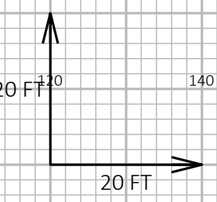


SEE "EVERGREEN" CROSS SECTIONS



SEE "EVERGREEN" CROSS SECTIONS





BEGIN CONSTRUCTION

9

9

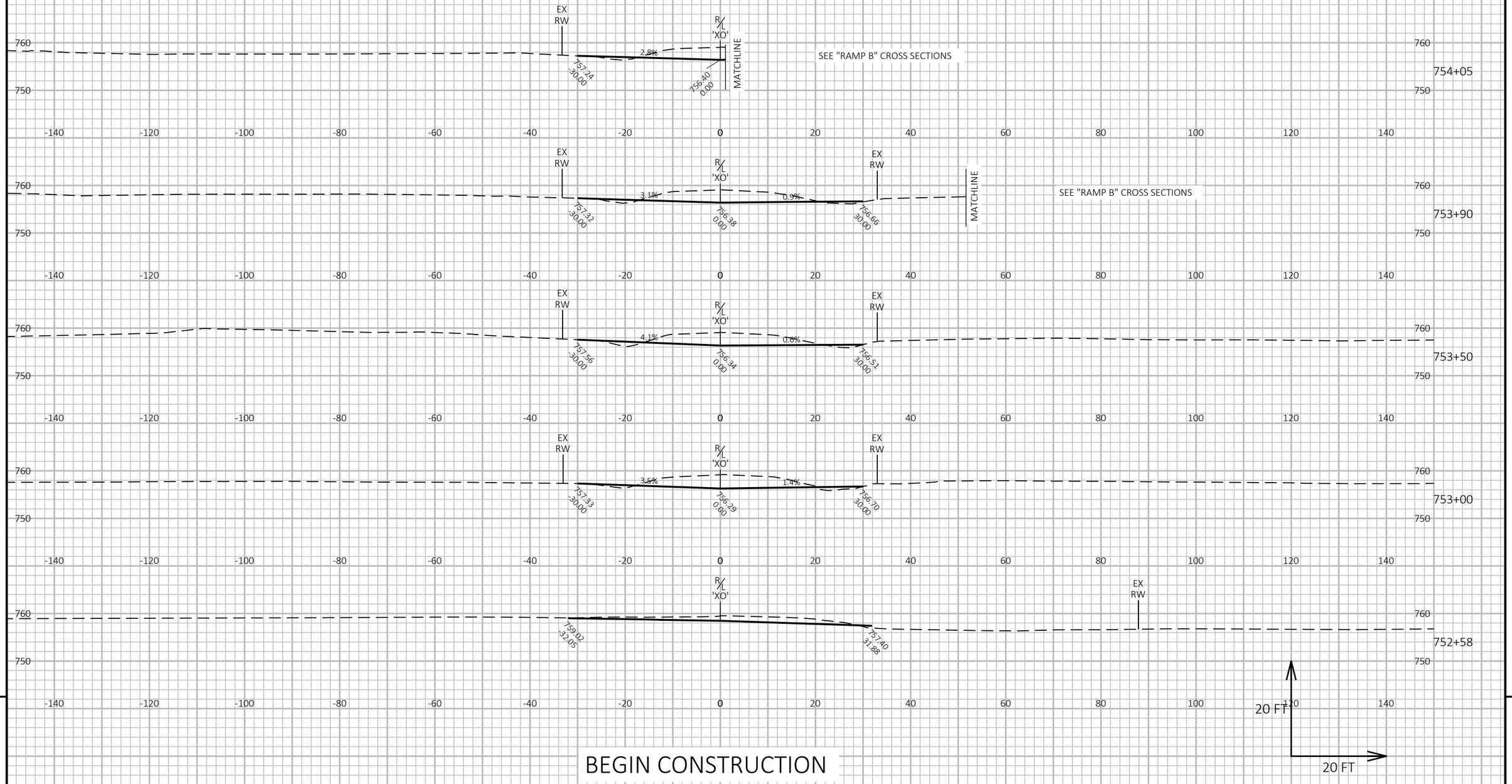
PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EXISTING MILLTOWN RD.	SHEET 1025	E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EXIST ROADWAYS.DWG
LAYOUT NAME - XMM3

PLOT DATE : 4/8/2020 5:47 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

RAMP B



9

BEGIN CONSTRUCTION

9

PROJECT NO: 9200-10-71	HWY: STH 29	COUNTY: BROWN	CROSS SECTIONS: EXISTING OVERLAND RD.	SHEET 1026 E

FILE NAME : C:\CIVIL 3D 2018 PROJECTS\410610 STH 29-CTH VV INTERCHANGE\C3D\SHEETSPLAN\090201-XS EXIST ROADWAYS.DWG
LAYOUT NAME - XO1

PLOT DATE : 4/8/2020 5:48 PM PLOT BY : SANDERFOOT, JASON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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