PROJECT ID: WITH:

3670-01-71/72

COUNTY:

COLUMBIA

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 =



N

DESIGN DESIGNATION

A.A.D.T.	(2022)	=	1500
A.A.D.T.	(2042)	=	1850
D.H.V.		=	250
D.D.		=	60/40
T.		=	13.4%
DESIGN SPEED		=	30 MPH
ESALS		=	400,000

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

C COLUMBUS, FARNHAM STREET

0.32MI S OF AVALON RD TO PARK AVE

STH 89

COLUMBIA COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
3670-01-71		
3670-01-72		

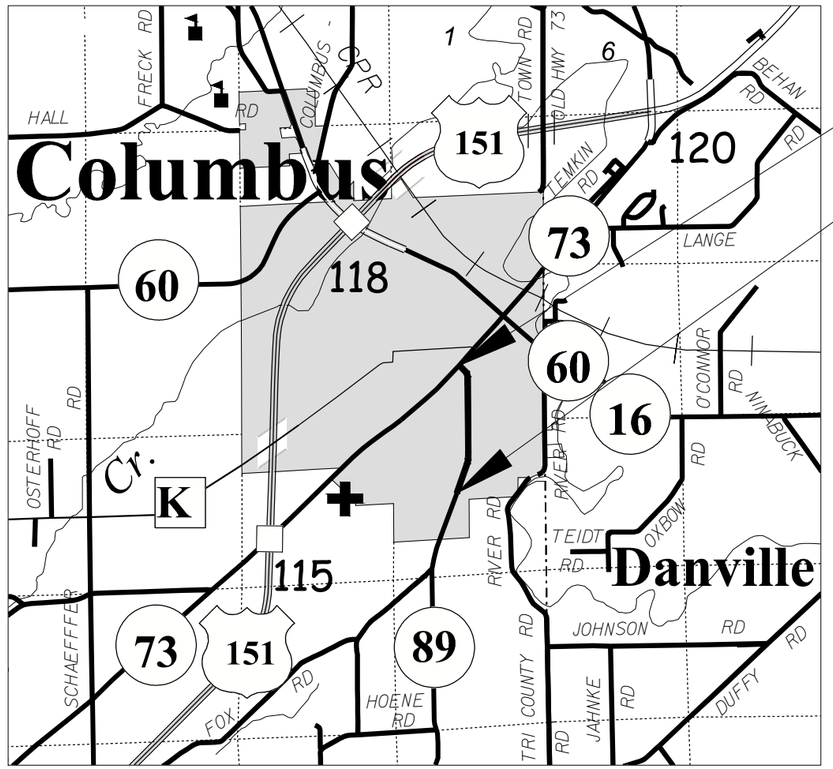
APPROVED FOR
UTILITY ADJUSTMENTS
8-26-19

STATE PROJECT NUMBER
3670-01-71

STATE PROJECT NUMBER
3670-01-72

R-12-E | R-13-E

T-10-N



END PROJECT 3670-01-71/72
STA 50+00.99' NB'

BEGIN PROJECT 3670-01-71/72
STA 2+93.03' NB'
X=654435.76
Y=314716.70

LAYOUT
SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 0.893 MILES

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

ELEVATION SHOWN ON THIS PLAN ARE REFERENCE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD (2012).

ORIGINAL PLANS DEVELOPED BY
WISDOT SW REGION

WISCONSIN DEPARTMENT OF TRANSPORTATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	SW REGION
Designer	STEVEN PORTER, PE
Project Manager	BRAD SCHULTZ, PE
Regional Examiner	
Regional Supervisor	KARLA KNORR, PE

APPROVED FOR THE DEPARTMENT

DATE: _____ _____ (Signature)

PRE_1

E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\010101_TI.DWG PLOT DATE : 6/3/2019 6:38 AM PLOT BY : PORTER, STEVEN J PLOT NAME :

GENERAL NOTES

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

RIGHT OF WAY LINES ARE SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE.

ALL RADII ARE MEASURED TO THE FLANGE LINE UNLESS NOTED ON THE PLAN.

CONSTRUCT INSIDE EDGE OF SIDEWALK ½ INCH HIGHER THAN TOP OF CURB WHEN THEY ARE ADJACENT TO EACH OTHER.

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

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

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY OPERATIONS OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

TOPSOIL SHALL BE PLACED 1 INCH BELOW THE TOP OF ADJACENT CONCRETE CURBS OR SIDEWALKS.

THE QUANTITY OF THE ITEMS FOR EROSION PROTECTION INCLUDES AN UNDISTRIBUTED AMOUNT FOR PROTECTION, CONTROL, AND ABATEMENT OF WATER POLLUTION RESULTING FROM SOIL EROSION. THE DISTRIBUTION AND LOCATION OF THESE MATERIALS ARE TO BE DETERMINED BY THE ENGINEER.

ALL DISTURBED AREAS ARE TO BE TOPSOILED (SALVAGED), FERTILIZED, SEEDED, AND EROSION MAT OR SODDED AS DIRECTED BY THE ENGINEER.

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

NUMBER, LOCATION, AND SPACING OF SIGNS AND DEVICES, AS SHOWN IN THE PLANS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

STH 89 IS A DESIGNATED OSOW TALL ROUTE AND REQUIRES A 20 FOOT VERTICAL CLEAR ZONE.

ORDER OF SECTION 2 SHEETS

GENERAL NOTES/WRITTEN MATERIAL
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
CURB RAMP DETAILS
PLAN DETAIL - REMOVALS
PLAN DETAILS
EROSION CONTROL AND DRAINAGE
STORM SEWER AND UTILITIES
SIGNING
LIGHTING
PAVEMENT MARKING
TRAFFIC CONTROL PEDESTRIANS
TRAFFIC CONTROL DETOUR
ALIGNMENT

DESIGN CONTACTS

BRAD SCHULTZ, P.E.
PROJECT MANAGER
WISDOT SW REGION
2101 WRIGHT STREET
MADISON, WI 53704
(608) 242-8038

STEVEN PORTER, P.E.
PROJECT DESIGNER
WISDOT SW REGION
2101 WRIGHT STREET
MADISON, WI 53704
(608) 243-3366

DNR LIASON

ERIC HEGGELUND
ENVIRONMENTAL ANALYSIS & REVIEW SPECIALIST
WISCONSIN DEPT. OF NATURAL RESOURCES
SOUTH CENTRAL REGION
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
(608) 275-3301

UTILITY CONTACTS

ATC MANAGEMENT, INC. - ELECTRICITY - TRANSMISSION

MIKE OLSEN
801 O'KEEFE ROAD
PO BOX 6113
DE PEERE, WI 54115
(920) 338-6582
MOLSEN@ATCLLC.COM

CHARTER COMMUNICATIONS - COMMUNICATION LINE

BRANDON STORM
2701 DANIEL STREET
MADISON, WI 53718
(608) 274-3822
BRANDON.STORM@CHARTER.COM

COLUMBUS WATER AND LIGHT DEPT - ELECTRICITY

JOE HAMMER
950 MAPLE AVENUE
PO BOX 228
COLUMBUS, WI 53925
(920) 623-5912
JHAMMER@COLUMBUSWATERANDLIGHT.COM

UNITE PRIVATE NETWORKS - COMMUNICATION LINE

JOE KILZER
7200 NW 86TH STREET, SUITE M
KANSAS CITY, MO 64153
(866) 813-3608
JOE.KILZER@UPNFIBER.COM
(CITY OF COLUMBUS WI SCHOOL TO SCHOOL NETWORK)

AT&T WISCONSIN - COMMUNICATIONS LINE

CAROL ANASON
316 WEST WASHINGTON AVENUE
MADISON, WI 53701
(608) 252-2385
CA2624@ATT.COM

ADAMS-COLUMBIA ELECTRIC COOPERATIVE - ELECTRICITY

BILL KEARNS
W6290 HWY 33
PO BOX 216
PARDEEVILLE, WI 53954
(608) 429-4105
BKEARNS@ACECWI.COM

COLUMBUS WASTEWATER TREATMENT FACILITY - SEWER

JOHN NEHMER
105 NORTH DICKASON ROAD
COLUMBUS, WI 53925
(920) 623-5915
JNEHMER@COLUMBUSWI.US

COLUMBUS WATER AND LIGHT DEPT - WATER

JOE HAMMER
950 MAPLE AVENUE
PO BOX 228
COLUMBUS, WI 53925
(920) 623-5912
JHAMMER@COLUMBUSWATERANDLIGHT.COM

WE ENERGIES - GAS/PETROLEUM

NICOLE SMULLEN
333 WEST EVERETT STREET, ROOM A299
MILWAUKEE, WI 53203
(414) 221-5617
NICOLE.SMULLEN@WECENERGYGROUP.COM

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

2

HENRY MORSE FARMHOUSE
HISTORIC PROPERTY

SAINT JEROME'S SCHOOL/CHURCH
HISTORIC PROPERTY

AVALON ROAD

STH 89

BEGIN PROJECT
STA 2+93.03'NB'

STA 18+14.33'NB' LEFT
START PARKING LANE

COLUMBUS HIGH SCHOOL
HISTORIC PROPERTY

STA 19+25.60'NB' RIGHT
BEGIN PARKING LANE

FRONTAGE ROAD

WATERLOO STREET

STH 73/
PARK AVE

KURTH BREWERY
HISTORIC PROPERTY

STA 43+80.00'NB' LEFT
END PARKING LANE

PIPE REPLACEMENTS
2ND WARD CREEK

FOLSOM STREET

POET STREET

2ND WARD CREEK

END PROJECT
STA 50+00.99'NB'

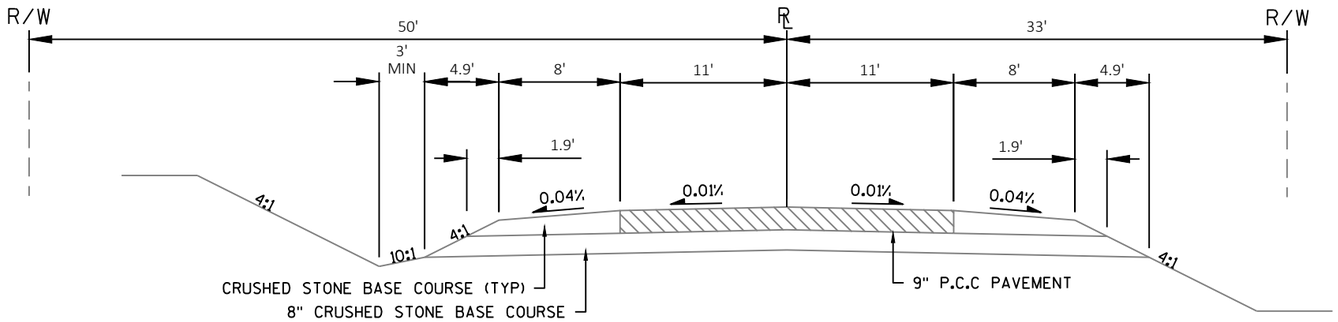
STA 43+80.00'NB' RIGHT
END PARKING LANE

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PROJECT OVERVIEW	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\020201_PO.DWG
LAYOUT NAME - 020201_po01

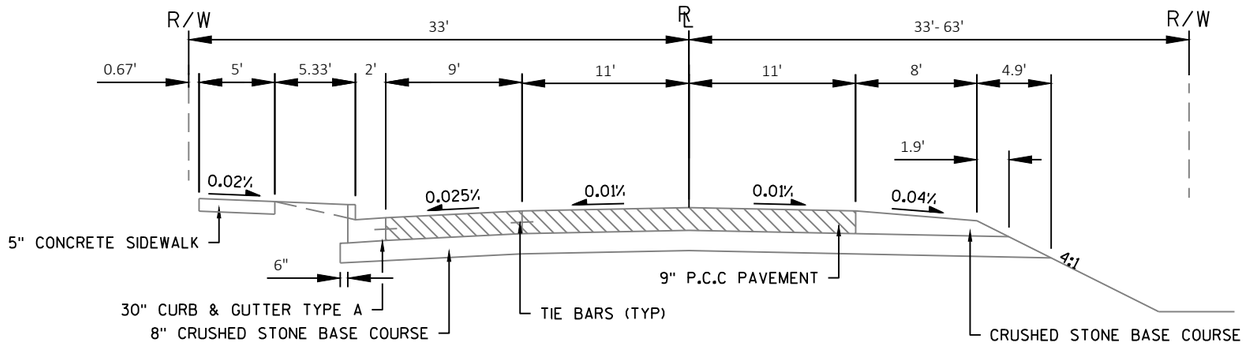
PLOT DATE : 8/23/2019 10:45 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:200 FT

PRE_3



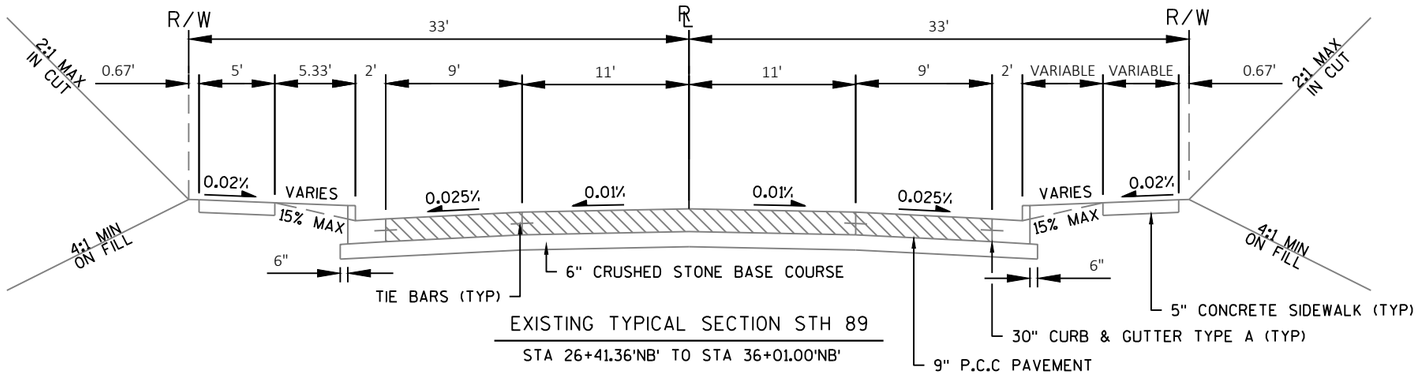
EXISTING TYPICAL SECTION STH 89

STA 2+75.60'NB' TO STA 21+98.59'NB'



EXISTING TYPICAL SECTION STH 89

STA 21+98.59'NB' TO STA 26+41.36'NB'



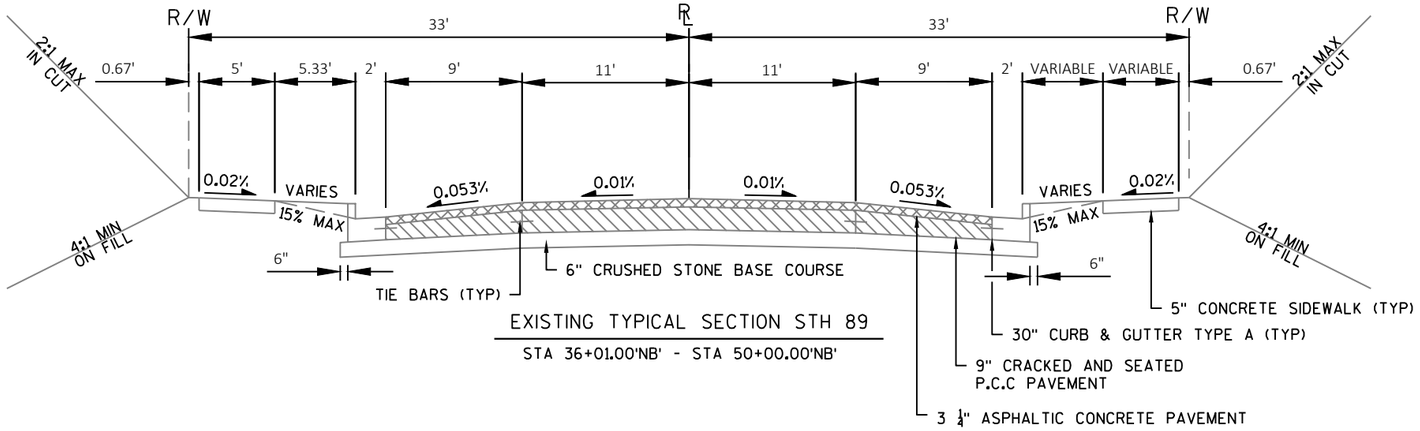
EXISTING TYPICAL SECTION STH 89

STA 26+41.36'NB' TO STA 36+01.00'NB'

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	TYPICAL SECTIONS - EXISTING	SHEET E

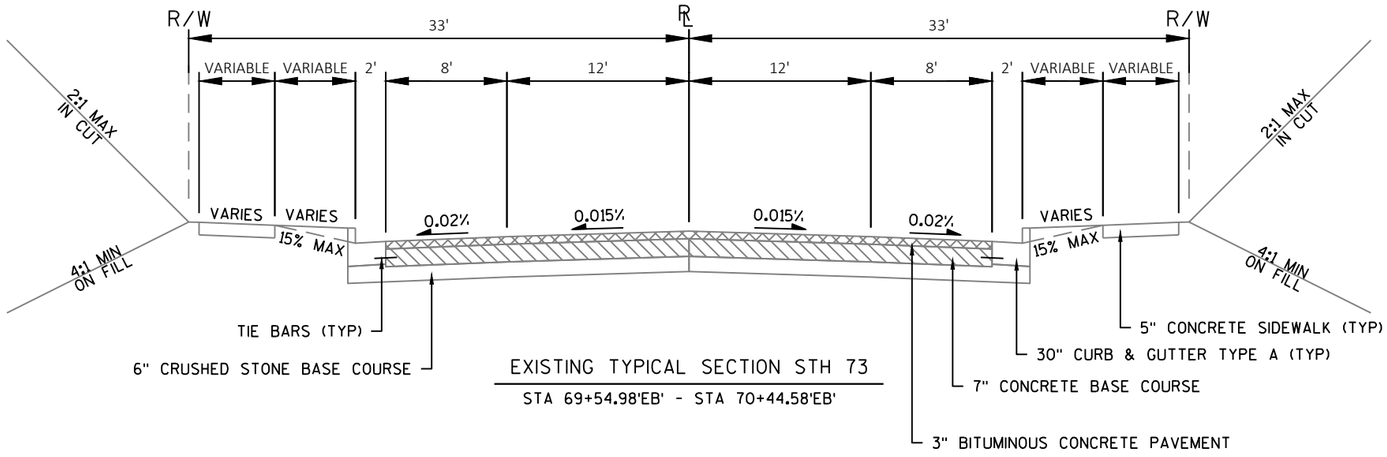
PRE_4

2



EXISTING TYPICAL SECTION STH 89

STA 36+01.00'NB' - STA 50+00.00'NB'



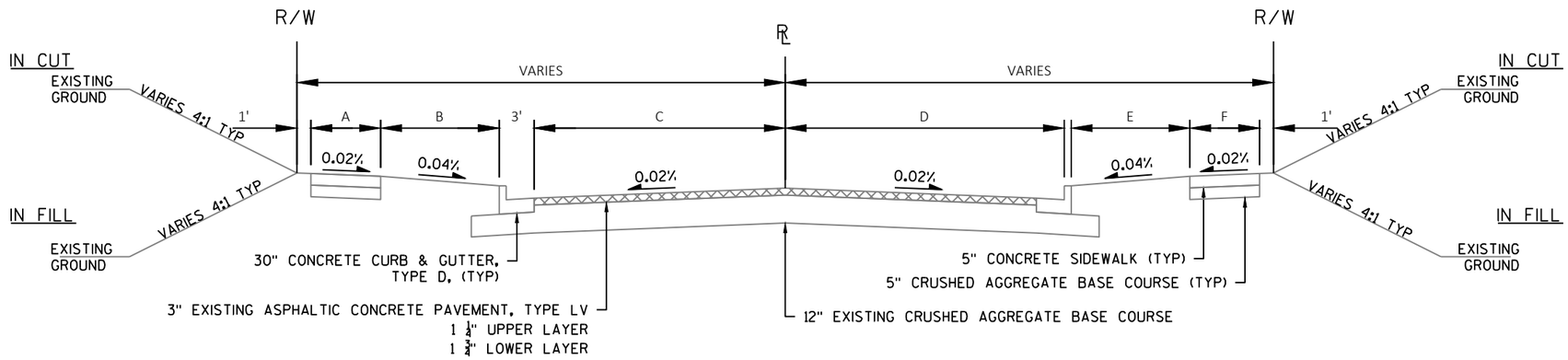
EXISTING TYPICAL SECTION STH 73

STA 69+54.98'EB' - STA 70+44.58'EB'

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	TYPICAL SECTIONS - EXISTING	SHEET E

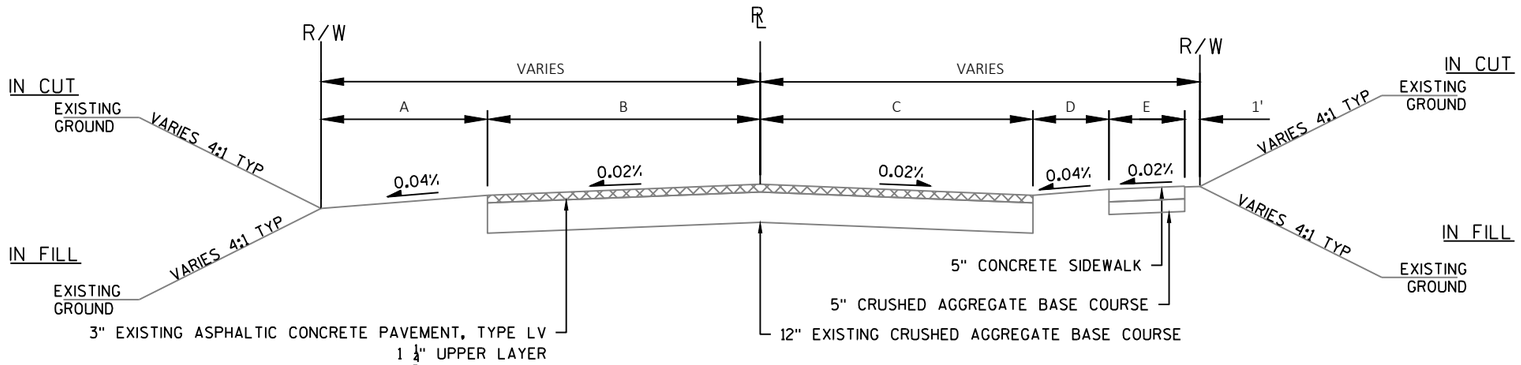
PRE_5

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\020301_TS.DWG
LAYOUT NAME - 020301_ts2
PLOT DATE : 8/2/2019 9:38 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



EXISTING TYPICAL SECTION SIDEROADS

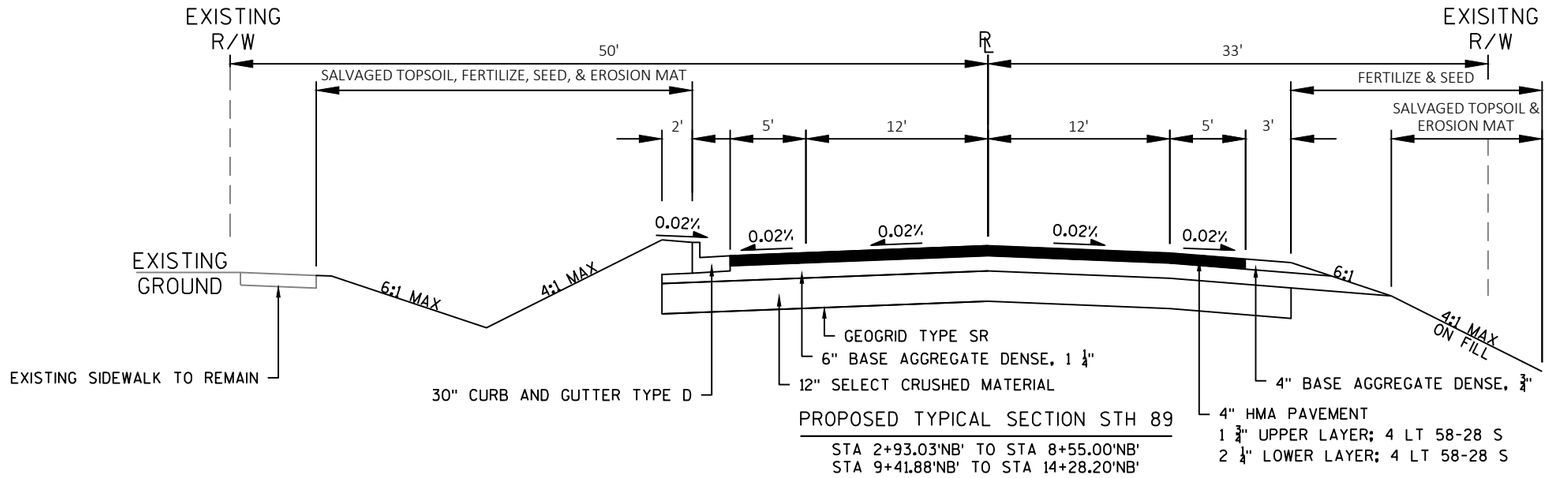
(SEE TABLE)
AVALON ROAD
WATERLOO STREET
EAST FOLSOM STREET
EAST POET STREET



EXISTING TYPICAL SECTION SIDEROADS

(SEE TABLE)
FRONTAGE ROAD
WEST FOLSOM STREET
WEST POET STREET

SIDEROADS						
	A (FT)	B (FT)	C (FT)	D (FT)	E (FT)	F (FT)
AVALON ROAD	5.0	8.5	18.0	18.0	N/A	N/A
WATERLOO STREET	N/A	N/A	13.5	13.5	N/A	N/A
FRONTAGE ROAD	VARIES	10.5	10.5	N/A	N/A	N/A
FOLSOM STREET WEST	VARIES	15.0	15.0	3.0	4.0	N/A
FOLSOM STREET EAST	4.0	10.0	16.0	16.0	VARIES	N/A
POET STREET WEST	VARIES	10.0	10.0	3.0	4.0	N/A
POET STREET EAST	4.0	9.5	15.0	15.0	8.5	4.0

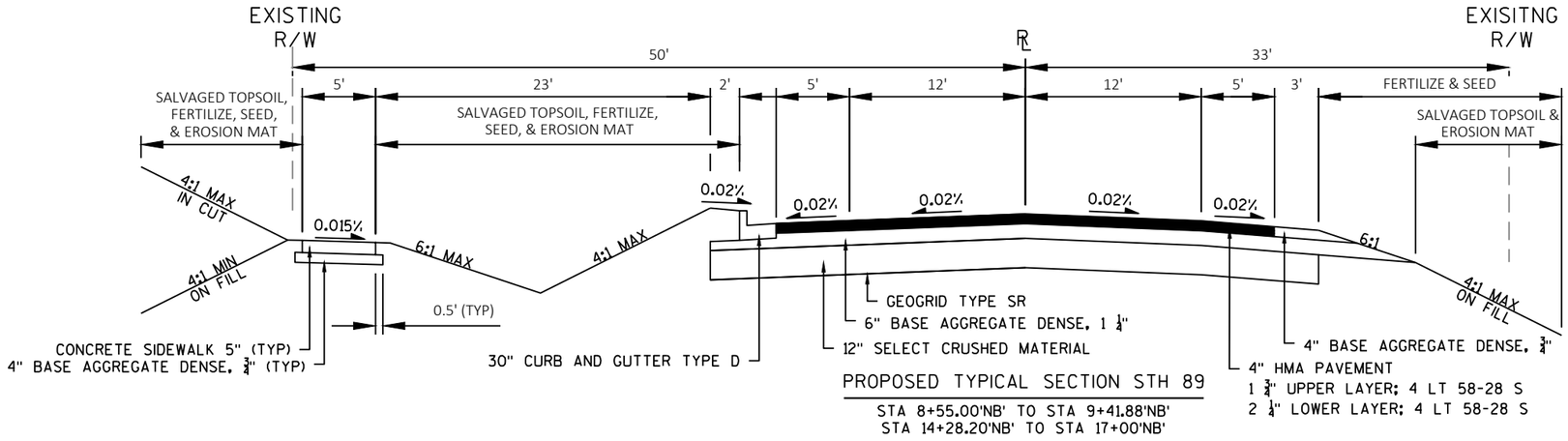


PROPOSED TYPICAL SECTION STH 89

STA 2+93.03'NB' TO STA 8+55.00'NB'
STA 9+41.88'NB' TO STA 14+28.20'NB'

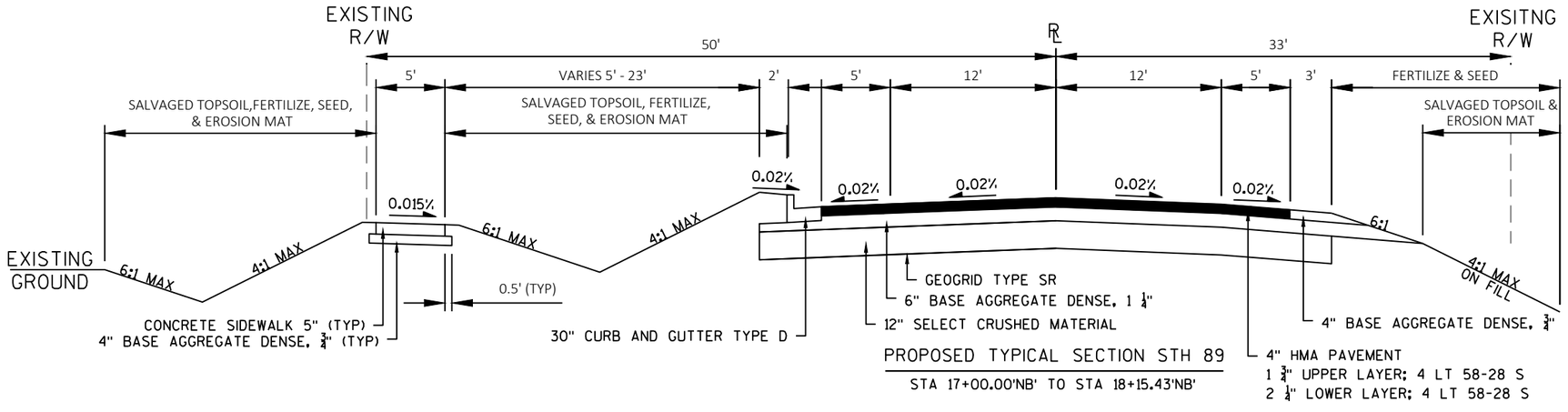
NOTES
STH 89 IS A DESIGNATED OVERSIZE OVERWEIGHT (OSOW) HIGH CLEARANCE ROUTE FOR TALL LOADS

ALL SECTIONS REQUIRE A 20 FOOT VERTICAL CLEARANCE



PROPOSED TYPICAL SECTION STH 89

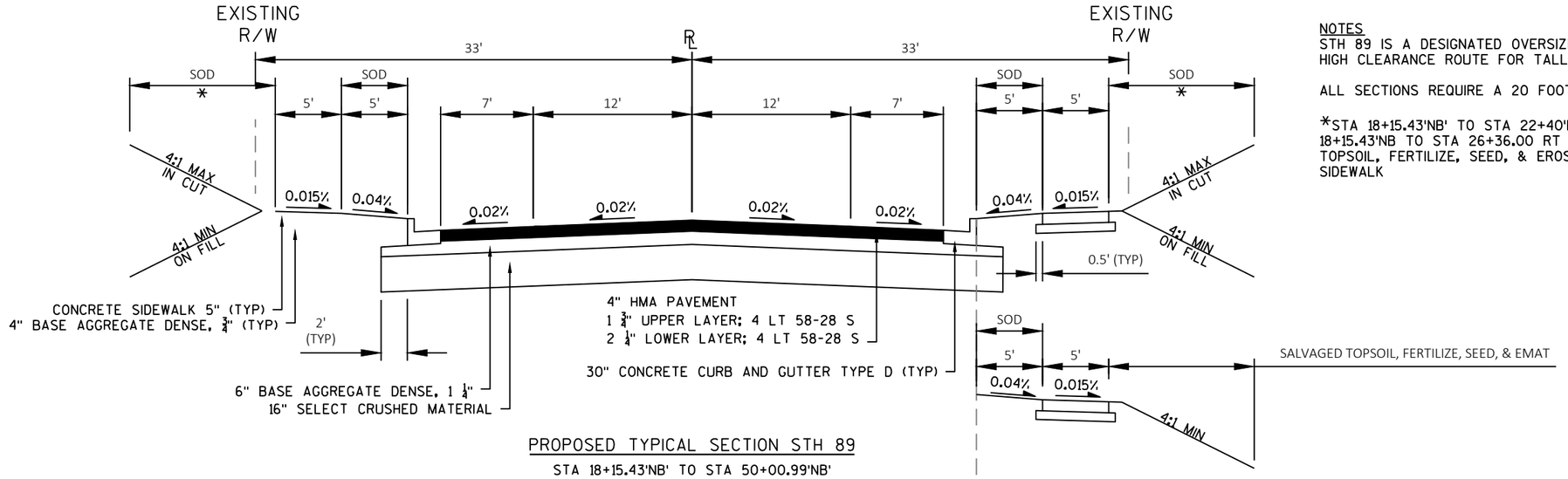
STA 8+55.00'NB' TO STA 9+41.88'NB'
STA 14+28.20'NB' TO STA 17+00'NB'



PROPOSED TYPICAL SECTION STH 89

STA 17+00.00'NB' TO STA 18+15.43'NB'

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	TYPICAL SECTIONS - PROPOSED	SHEET PRE_7 E



PROPOSED TYPICAL SECTION STH 89

STA 18+15.43'NB' TO STA 50+00.99'NB'

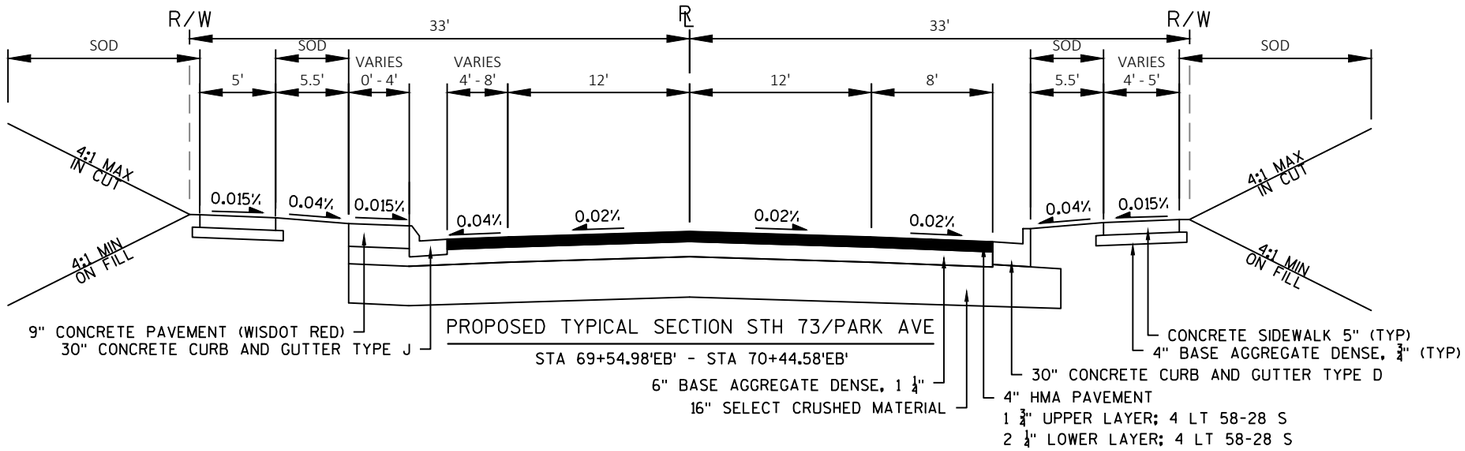
STA 19+05.00'NB' TO STA 23+00.00'NB'

STA 23+00.00'NB' TO STA 26+35.80'NB'

NOTES
STH 89 IS A DESIGNATED OVERSIZE OVERWEIGHT (OSOW) HIGH CLEARANCE ROUTE FOR TALL LOADS

ALL SECTIONS REQUIRE A 20 FOOT VERTICAL CLEARANCE

*STA 18+15.43'NB' TO STA 22+40'NB LT & STA 18+15.43'NB TO STA 26+36.00 RT PLACE SALVAGED TOPSOIL, FERTILIZE, SEED, & EROSION MAT BEHIND THE SIDEWALK



PROPOSED TYPICAL SECTION STH 73/PARK AVE

STA 69+54.98'EB' - STA 70+44.58'EB'

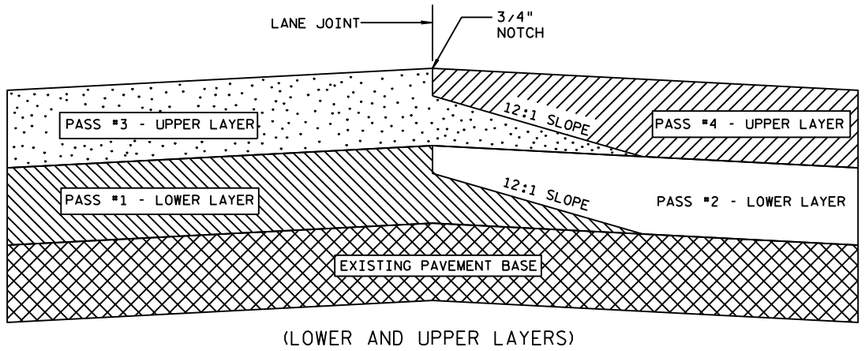
PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	TYPICAL SECTIONS - PROPOSED	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\020301_TS.DWG
LAYOUT NAME - 020301_ts5

PLOT DATE : 8/2/2019 9:38 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

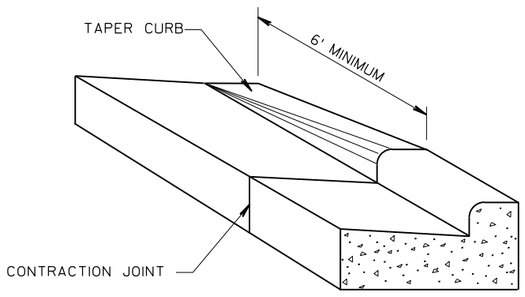
PRE_8

WISDOT/CADDS SHEET 42

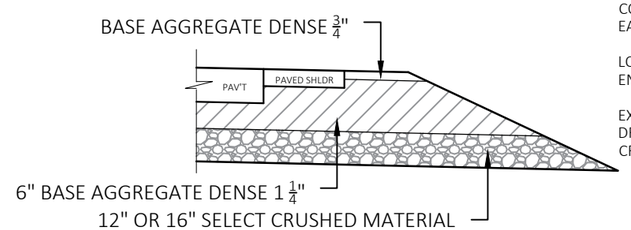


(LOWER AND UPPER LAYERS)

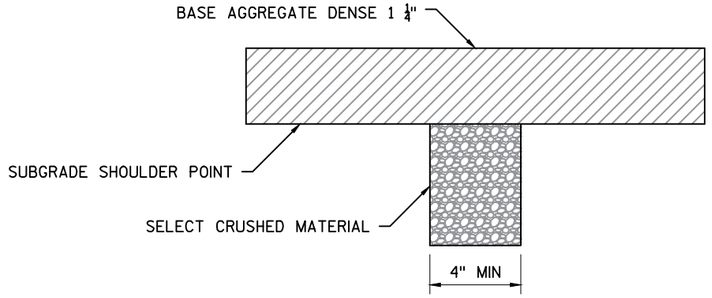
TYPICAL PAVEMENT CROSS SECTIONS OF TAPERED AND NOTCHED LONGITUDINAL JOINTS



DETAIL OF CURB & GUTTER TERMINI



SECTION A-A



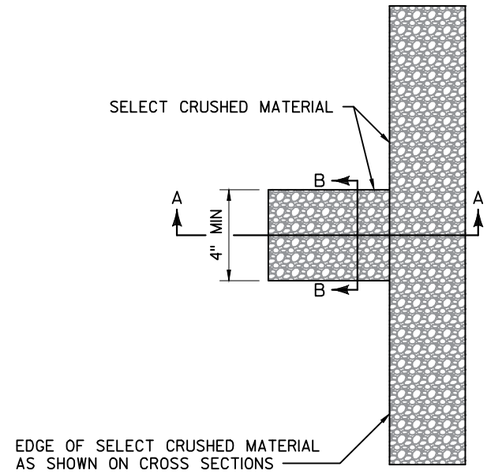
SECTION B-B

NOTE:
CONSTRUCT DRAINS AT LEAST EVERY 250' AND AT EACH SAG VERTICAL CURVE IN THE PROFILE.

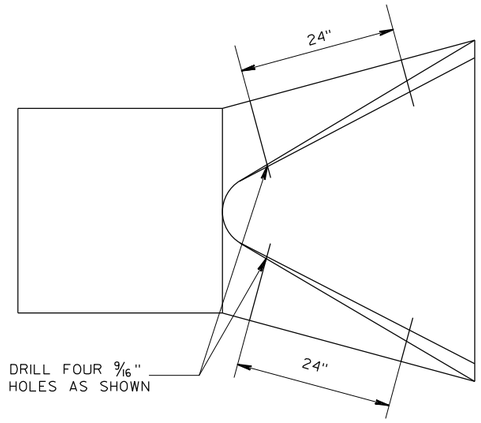
LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER

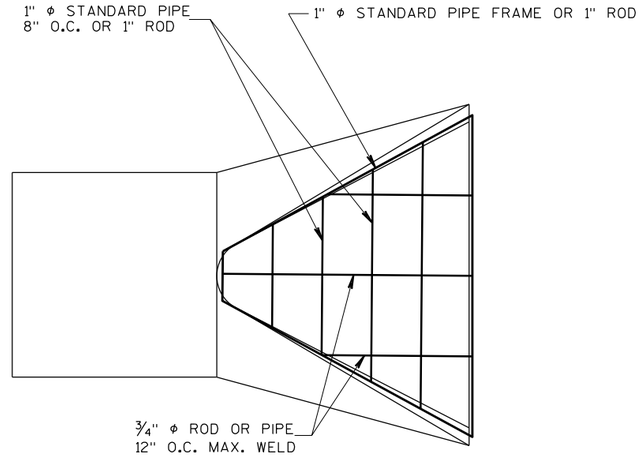
EXCAVATION REQUIRED TO CONSTRUCT FRENCH DRAINS IS TO BE INCIDENTAL TO THE ITEM SELECT CRUSHED MATERIAL

FRENCH DRAIN LOCATIONS
STA 5+90.00'NB' RT
STA 8+80.00'NB' RT
STA 11+30.00'NB' RT
STA 13+80.00'NB' RT (LOWPOINT)
STA 16+40.00'NB' RT

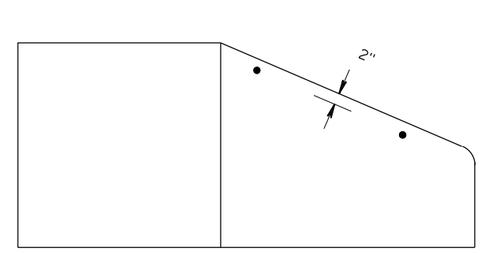


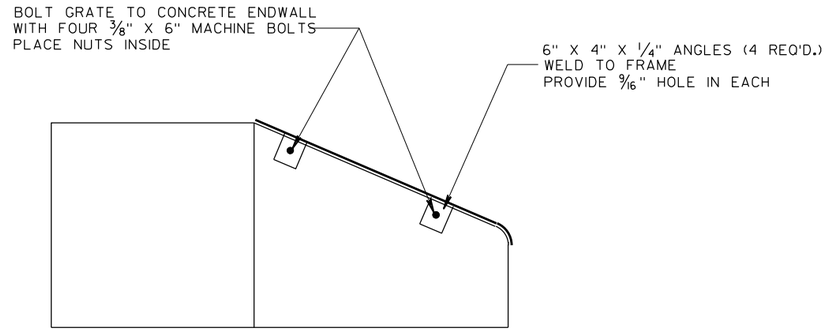
DETAIL FOR FRENCH DRAINS

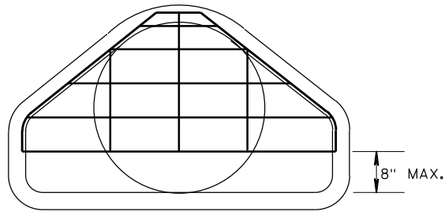




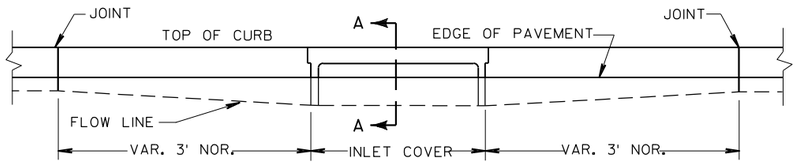
AT EACH PIPE



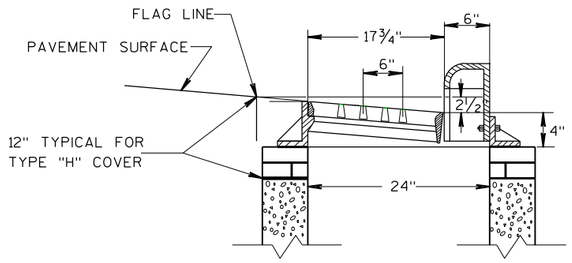




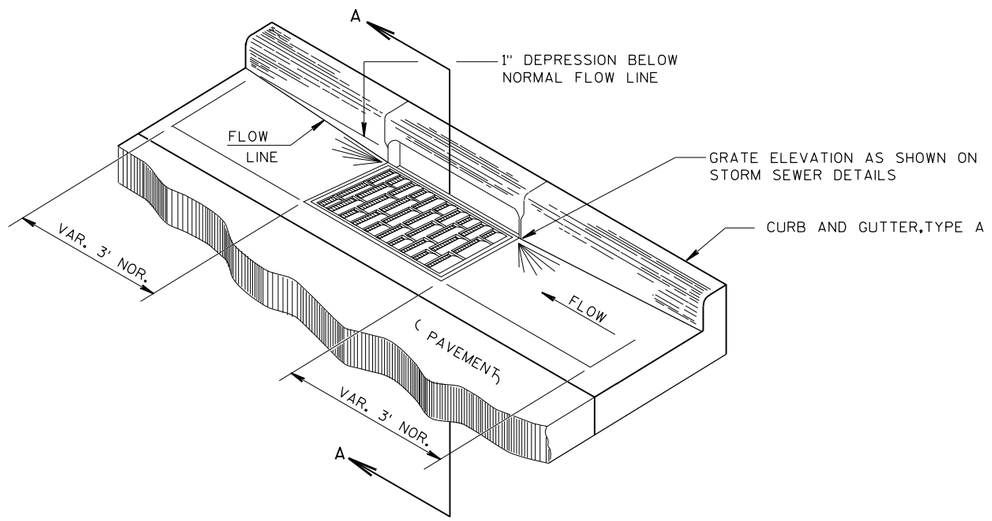
PIPE GRATE DETAIL



ELEVATION

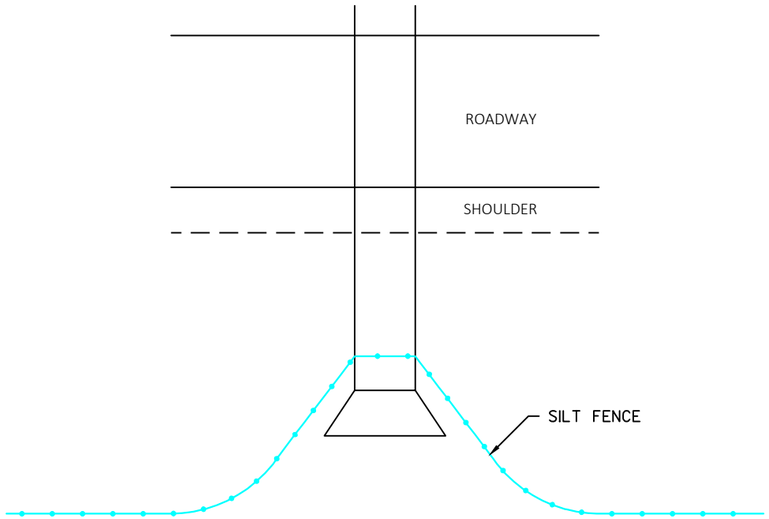


SECTION A-A



DETAIL OF CURB AND GUTTER AT INLETS

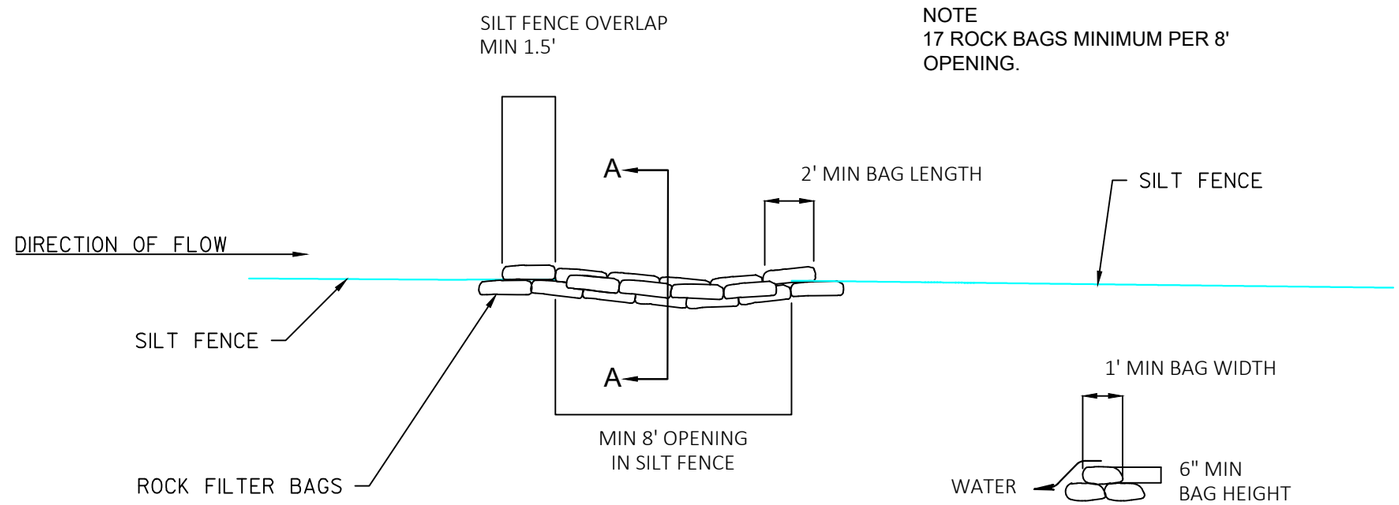
(TYPE 3-H INLET SHOWN)



SILT FENCE AT PIPE INLET

SEE EROSION CONTROL PLANS FOR LOCATIONS

NOTE:
FOR FURTHER DETAIL SEE SILT FENCE S.D.D.

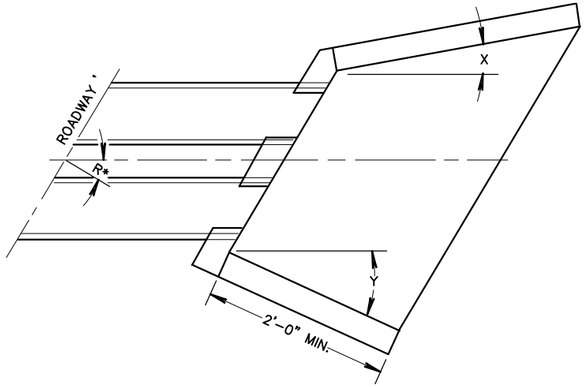


TOP VIEW

SECTION A-A

ROCK BAGS USED FOR SILT FENCE RELIEF

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CONSTRUCTION DETAILS	SHEET E



WINGWALL ANGLE DETAILS

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.

FILL SLOPES FLATTER THAN 2 1/2:1 SHALL BE WARPED TO MEET THE TOP OF THE WINGWALLS.

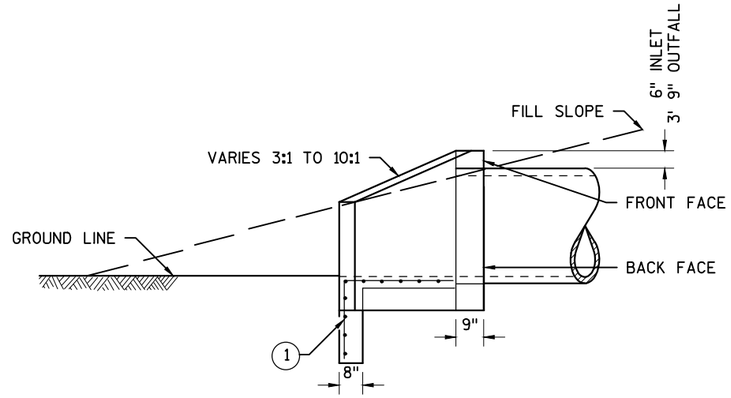
ALL STEEL REINFORCEMENT AND WELDED STEEL WIRE FABRIC SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE NOTED.

(1) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS SPACED 12" C-C IN BOTH DIRECTIONS.

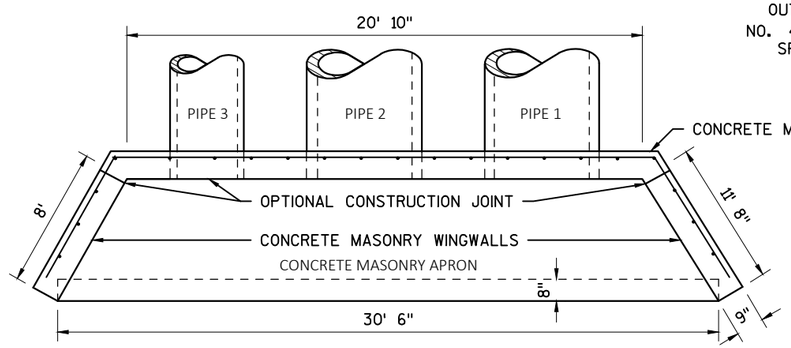
REFER TO SDD 8F10 "CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH" FOR ADDITIONAL DETAILS.

INLET			OUTLET		
R*	X	Y	R*	X	Y
21°	25°	30°	21°	10°	0°

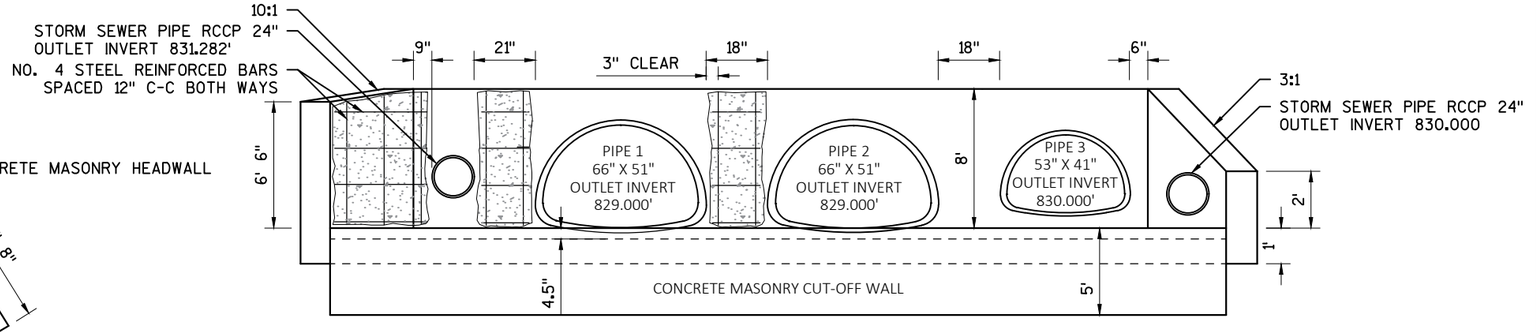
*R = NUMBER OF DEGREES RIGHT OR LEFT HAND FORWARD



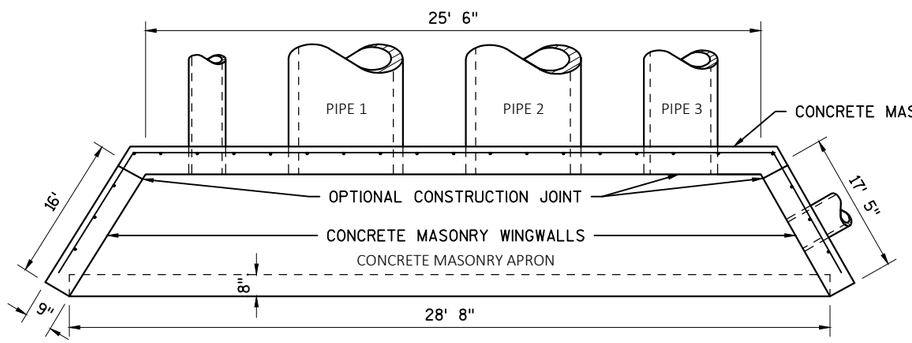
SIDE ELEVATION
PIPE ARCH



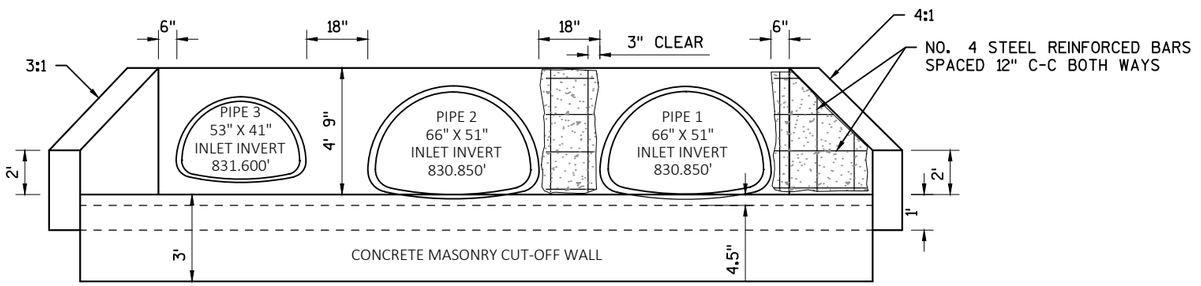
PLAN VIEW
MASONRY ENDWALL INLET



END ELEVATION
MASONRY ENDWALL OUTFALL



PLAN VIEW
MASONRY ENDWALL OUTFALL



END ELEVATION
MASONRY ENDWALL INLET

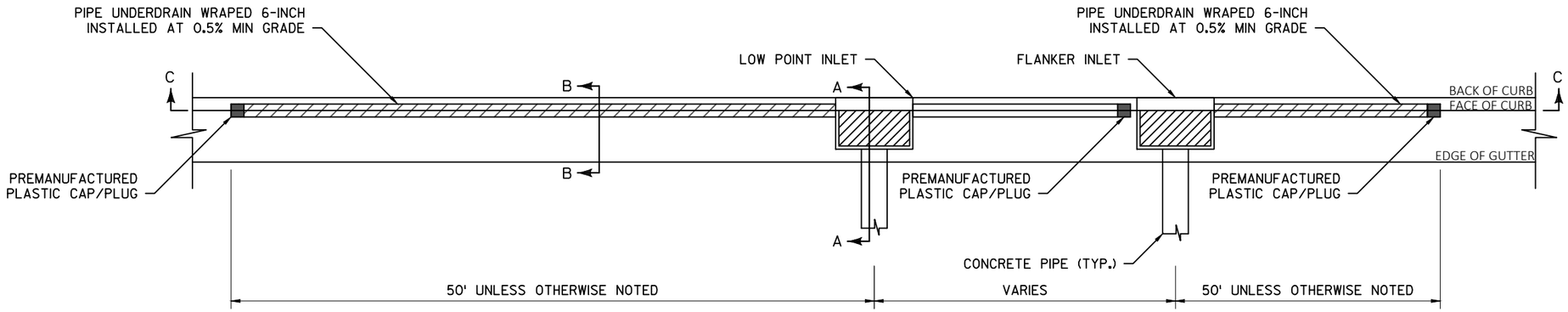
2

2

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CONSTRUCTION DETAILS	SHEET E

PRE_13

2

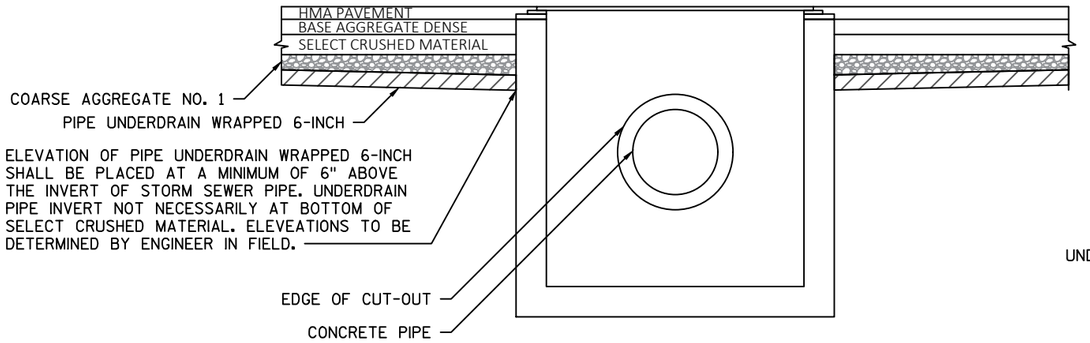


LOW POINT INLET
WITH FLANKING INLETS

TOP VIEW
SPLIT DETAIL

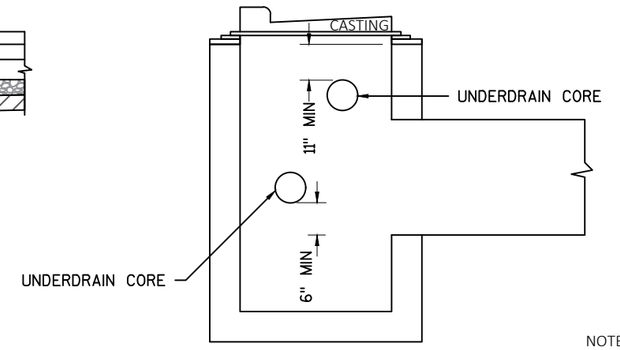
LOW POINT INLET
WITH FLANKING INLETS

INLET CONFIGURATION WITH
UNDERDRAIN AT LOW POINTS



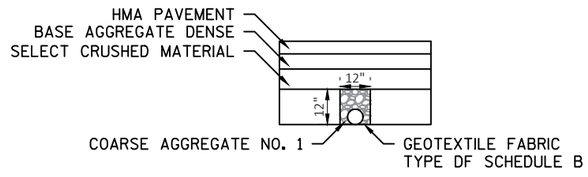
SECTION C-C

TYPICAL INLET CONFIGURATION WITH
UNDERDRAIN CORED INTO WALL AT LOW POINTS
WITHOUT FLANKING INLETS



SECTION A-A

TYPICAL INLET CONFIGURATION WITH
UNDERDRAIN CORED INTO WALL AT LOW POINTS
WITHOUT FLANKING INLETS



SECTION B-B

NOTE:
WHERE MULTIPLE INLETS ARE USED AT LOW POINTS, PIPE UNDERDRAIN WRAPPED 6-INCH SHALL BE INSTALLED 50 FEET TO EITHER DIRECTION FROM THE LOW POINT AT A MINIMUM POSITIVE GRADE OF 0.5%. THE SECTION OF UNDERDRAIN BETWEEN THE CENTER AND OUTER INLETS SHALL BE PLACED TIGHT TO THE OUTER INLET, CAPPED WITH A PREMANUFACTURED PLASTIC CAP OR PLUG, AND LAID AS SPECIFIED ABOVE TO THE CENTER OF THE INLET.

ATTACHMENT TO REAR OF INLET IS SATISFACTORY IF PIPE SIZE RESTRICTS SPACE FOR UNDERDRAIN CORE.

BOTTOM OF PIPE SHALL BE PLACED AT THE BOTTOM OF COARSE AGGREGATE NO. 1 MATERIAL.

BOTTOM OF COARSE AGGREGATE NO. 1 MATERIAL IS NOT NECESSARILY THE BOTTOM OF THE SELECT CRUSHED MATERIAL.

BOTTOM OF CORE PLACED A MINIMUM OF 6" ABOVE THE INVERT OF THE CROSS PIPE.

TOP OF CORE HOLES WILL BE A MINIMUM OF 11" BELOW TOP OF THE INLET STRUCTURES (BOTTOM OF ADJUSTING RINGS).

DRAIN TILES SHALL NOT BE ALLOWED IN THE ADJUSTING RINGS OF THE STRUCTURE OF INLETS OR MANHOLES.

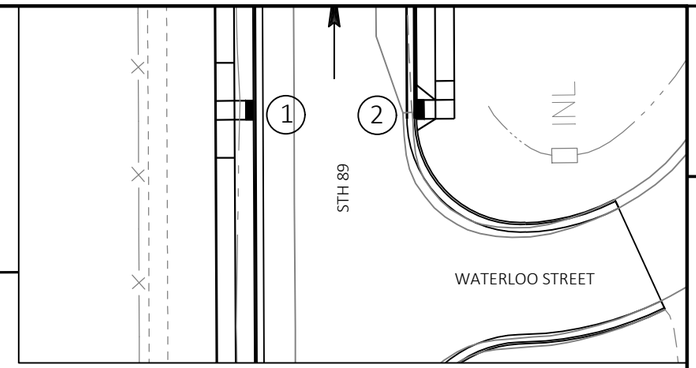
CORE HOLES SHALL PROVIDE FOR A MINIMUM OF 2" OF CONCRETE BETWEEN THE CUTOUT FOR A CONCRETE PIPE AND THE EDGE OF THE CORE HOLE.

CORE HOLES SHALL HAVE 1" CLEARANCE FROM THE INSIDE WALLS OF A STRUCTURE.

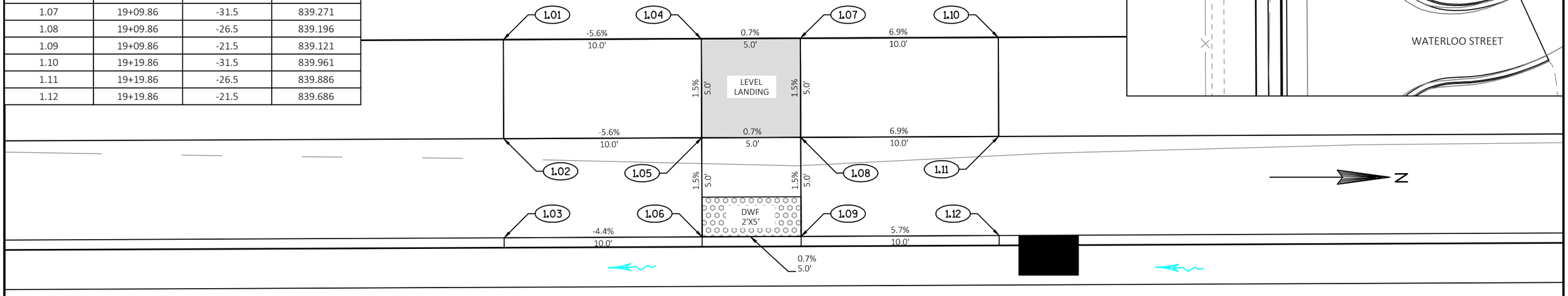
PIPE UNDERDRAIN 6-INCH WITH GEOTEXTILE FABRIC AND AGGREGATE

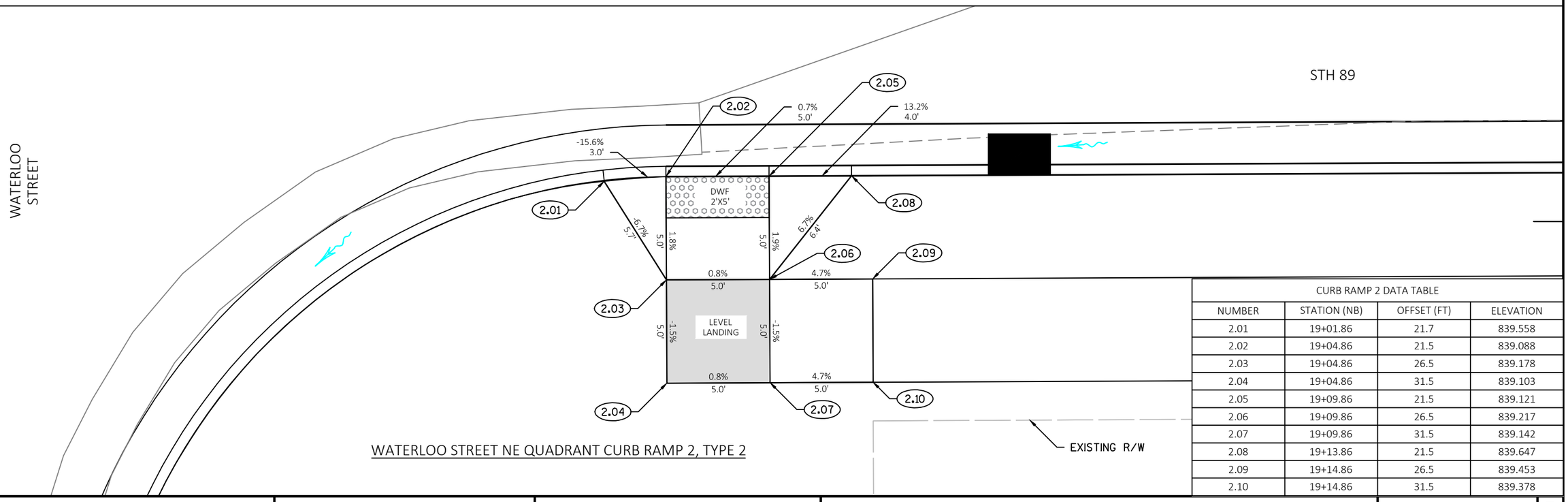
CURB RAMP 1 DATA TABLE			
NUMBER	STATION (NB)	OFFSET (FT)	ELEVATION
1.01	18+94.86	-31.5	839.798
1.02	18+94.86	-26.5	839.723
1.03	18+94.86	-21.5	839.523
1.04	19+04.86	-31.5	839.238
1.05	19+04.86	-26.5	839.163
1.06	19+04.86	-21.5	839.088
1.07	19+09.86	-31.5	839.271
1.08	19+09.86	-26.5	839.196
1.09	19+09.86	-21.5	839.121
1.10	19+19.86	-31.5	839.961
1.11	19+19.86	-26.5	839.886
1.12	19+19.86	-21.5	839.686

NOTES:
REFER TO SDD 8D5 "CURB RAMPS' FOR JOINT LOCATIONS AND ADDITIONAL DETAILS



WATERLOO STREET NW QUADRANT CURB RAMP 1, TYPE 7B





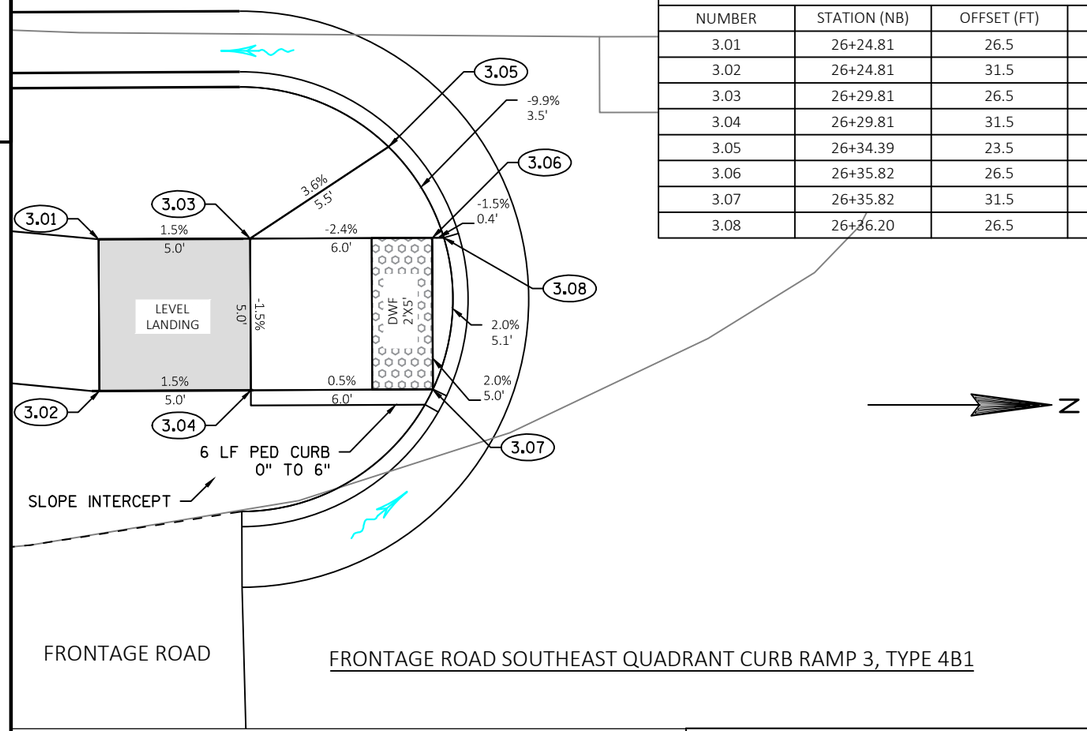
WATERLOO STREET NE QUADRANT CURB RAMP 2, TYPE 2

CURB RAMP 2 DATA TABLE			
NUMBER	STATION (NB)	OFFSET (FT)	ELEVATION
2.01	19+01.86	21.7	839.558
2.02	19+04.86	21.5	839.088
2.03	19+04.86	26.5	839.178
2.04	19+04.86	31.5	839.103
2.05	19+09.86	21.5	839.121
2.06	19+09.86	26.5	839.217
2.07	19+09.86	31.5	839.142
2.08	19+13.86	21.5	839.647
2.09	19+14.86	26.5	839.453
2.10	19+14.86	31.5	839.378

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CURB RAMP DETAILS	SHEET PRE_15 E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\021001_CD.DWG
LAYOUT NAME - 021001_cd07
PLOT DATE : 8/23/2019 10:48 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

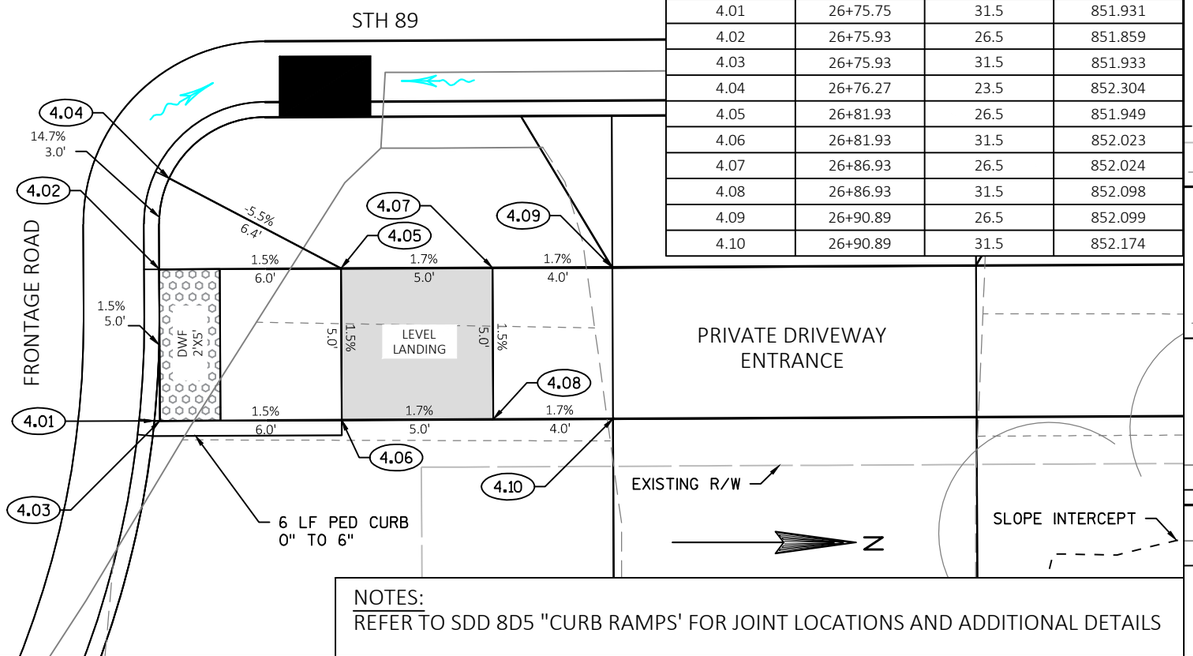
CURB RAMP 3 DATA TABLE			
NUMBER	STATION (NB)	OFFSET (FT)	ELEVATION
3.01	26+24.81	26.5	851.679
3.02	26+24.81	31.5	851.604
3.03	26+29.81	26.5	851.752
3.04	26+29.81	31.5	851.678
3.05	26+34.39	23.5	851.950
3.06	26+35.82	26.5	851.607
3.07	26+35.82	31.5	851.706
3.08	26+36.20	26.5	851.601



FRONTAGE ROAD SOUTHEAST QUADRANT CURB RAMP 3, TYPE 4B1

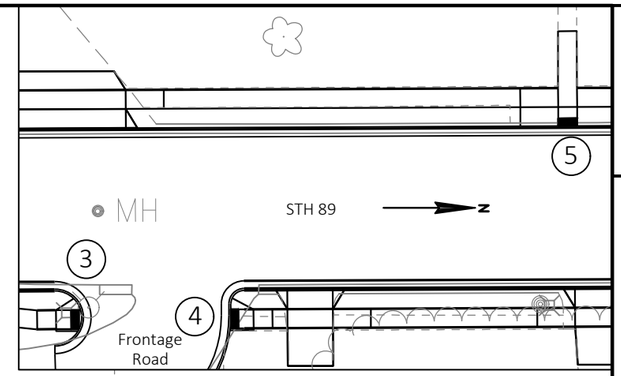
CURB RAMP 4 DATA TABLE			
NUMBER	STATION (NB)	OFFSET (FT)	ELEVATION
4.01	26+75.75	31.5	851.931
4.02	26+75.93	26.5	851.859
4.03	26+75.93	31.5	851.933
4.04	26+76.27	23.5	852.304
4.05	26+81.93	26.5	851.949
4.06	26+81.93	31.5	852.023
4.07	26+86.93	26.5	852.024
4.08	26+86.93	31.5	852.098
4.09	26+90.89	26.5	852.099
4.10	26+90.89	31.5	852.174

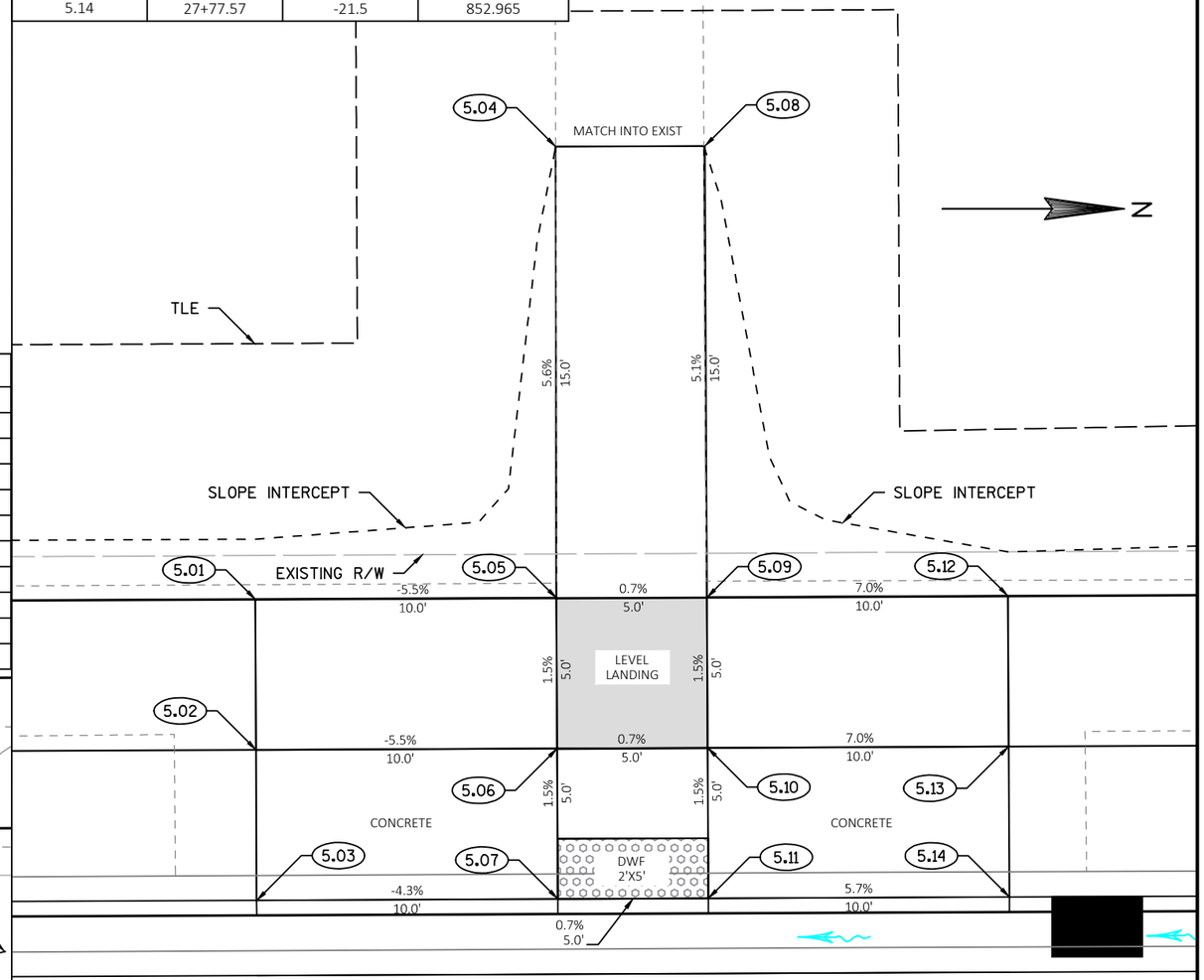
FRONTAGE ROAD NORTHEAST QUADRANT CURB RAMP 4, TYPE 4B1



NOTES:
REFER TO SDD 8D5 "CURB RAMPS' FOR JOINT LOCATIONS AND ADDITIONAL DETAILS

CURB RAMP 5 DATA TABLE			
NUMBER	STATION (NB)	OFFSET (FT)	ELEVATION
5.01	27+52.57	-31.5	853.062
5.02	27+52.57	-26.5	852.987
5.03	27+52.57	-21.5	852.787
5.04	27+62.62	-46.5	853.347
5.05	27+62.57	-31.5	852.508
5.06	27+62.57	-26.5	852.433
5.07	27+62.57	-21.5	852.358
5.08	27+67.54	-46.5	853.314
5.09	27+67.57	-31.5	852.544
5.10	27+67.57	-26.5	852.469
5.11	27+67.57	-21.5	852.394
5.12	27+77.57	-31.5	853.240
5.13	27+77.57	-26.5	853.165
5.14	27+77.57	-21.5	852.965





STH 89

HIGH SCHOOL WEST SIDE CURB RAMP 5, TYPE 7B

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CURB RAMP DETAILS	SHEET E

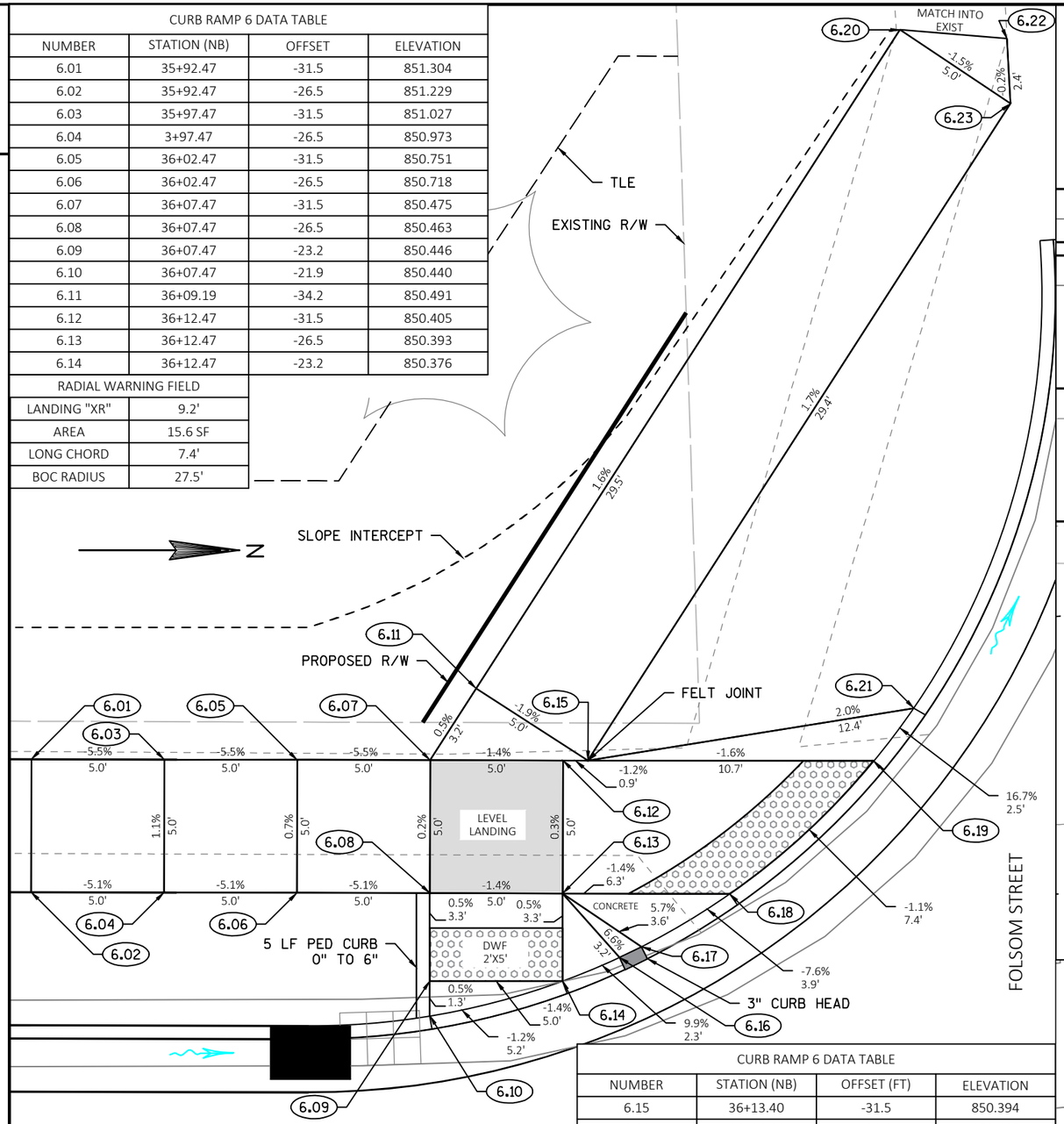
PRE_16

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\021001_CD.DWG
LAYOUT NAME - 021001_cd08
PLOT DATE : 8/23/2019 10:48 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

CURB RAMP 6 DATA TABLE			
NUMBER	STATION (NB)	OFFSET	ELEVATION
6.01	35+92.47	-31.5	851.304
6.02	35+92.47	-26.5	851.229
6.03	35+97.47	-31.5	851.027
6.04	3+97.47	-26.5	850.973
6.05	36+02.47	-31.5	850.751
6.06	36+02.47	-26.5	850.718
6.07	36+07.47	-31.5	850.475
6.08	36+07.47	-26.5	850.463
6.09	36+07.47	-23.2	850.446
6.10	36+07.47	-21.9	850.440
6.11	36+09.19	-34.2	850.491
6.12	36+12.47	-31.5	850.405
6.13	36+12.47	-26.5	850.393
6.14	36+12.47	-23.2	850.376

RADIAL WARNING FIELD	
LANDING "XR"	9.2'
AREA	15.6 SF
LONG CHORD	7.4'
BOC RADIUS	27.5'



STH 89

FOLSOM STREET SOUTHWEST QUADRANT CURB RAMP 6, TYPE 2

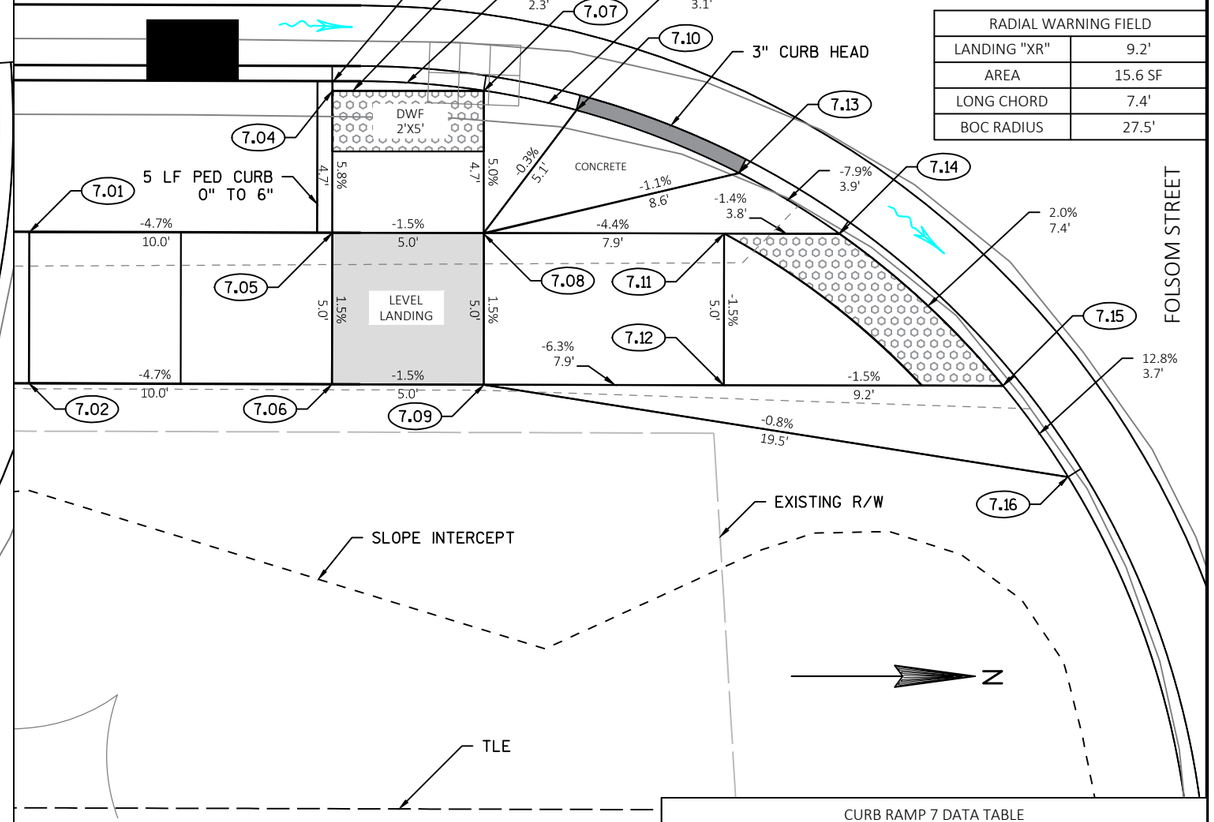
CURB RAMP 6 DATA TABLE			
NUMBER	STATION (NB)	OFFSET (FT)	ELEVATION
6.15	36+13.40	-31.5	850.394
6.16	36+14.61	-24.1	850.605
6.17	36+15.44	-24.5	850.595
6.18	36+18.76	-26.5	850.302
6.19	36+24.14	-31.5	850.223
6.20	36+25.06	-59.0	850.965
6.21	36+25.67	-33.5	850.640
6.22	36+29.09	-58.7	850.883
6.23	36+29.23	-56.3	850.888

NOTES:
REFER TO SDD 8D5 "CURB RAMPS' FOR JOINT LOCATIONS AND ADDITIONAL DETAILS

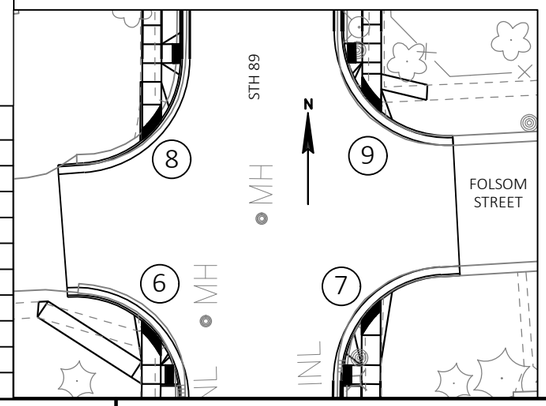
STH 89

FOLSOM STREET SOUTHEAST QUADRANT CURB RAMP 7, TYPE 2

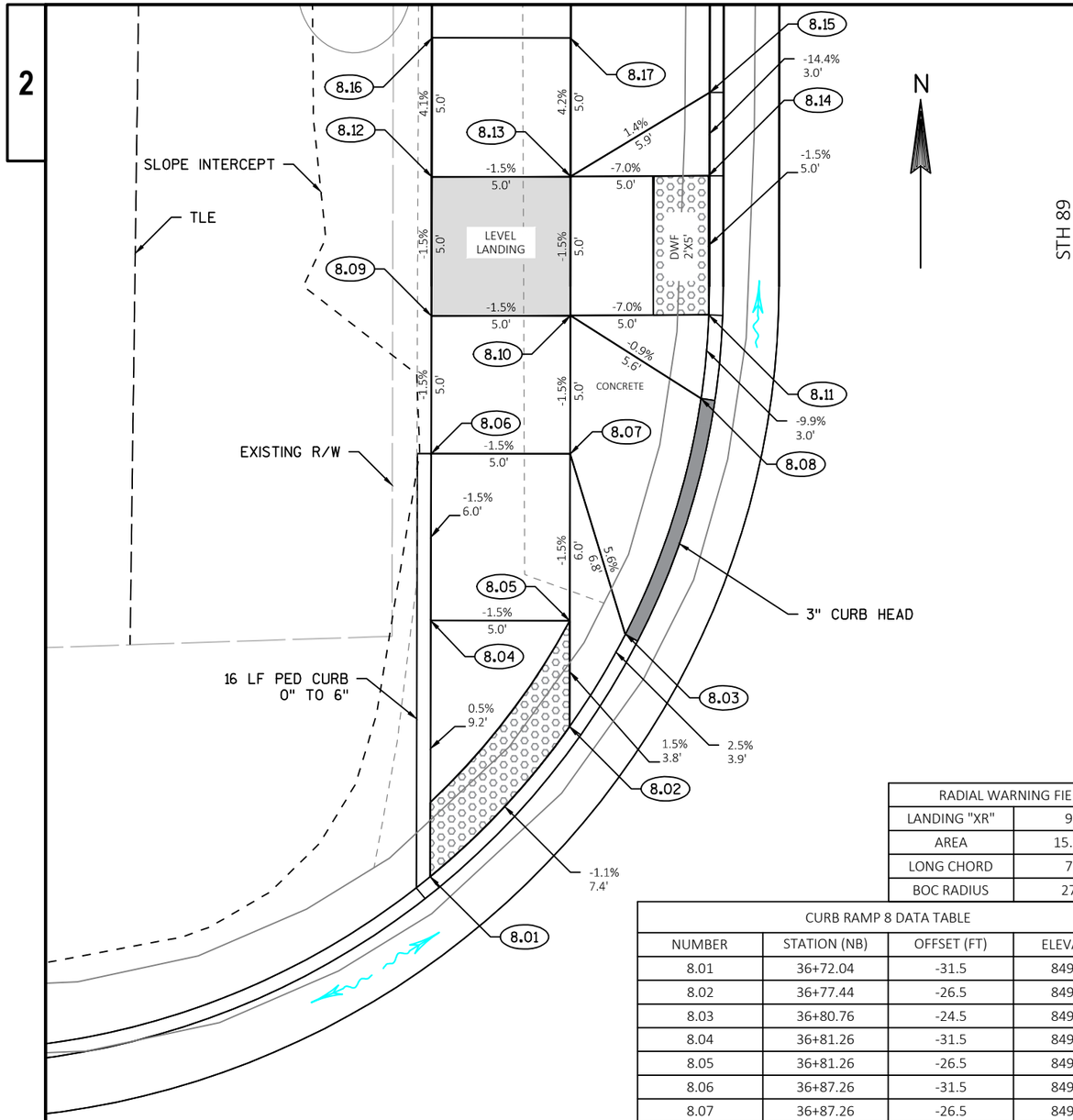
RADIAL WARNING FIELD	
LANDING "XR"	9.2'
AREA	15.6 SF
LONG CHORD	7.4'
BOC RADIUS	27.5'



CURB RAMP 7 DATA TABLE			
NUMBER	STATION (NB)	OFFSET (FT)	ELEVATION
7.01	35+97.62	26.5	851.203
7.02	35+97.62	31.5	851.278
7.03	36+07.61	21.5	850.453
7.04	36+07.61	21.8	850.458
7.05	36+07.61	26.5	850.730
7.06	36+07.61	31.5	850.805
7.07	36+12.61	21.8	850.421
7.08	36+12.61	26.5	850.656
7.09	36+12.61	31.5	850.731
7.10	36+15.67	22.4	850.642
7.11	36+20.56	26.5	850.308
7.12	36+20.56	31.5	850.232
7.13	36+21.03	24.5	850.560
7.14	36+24.35	26.5	850.254
7.15	36+29.76	31.5	850.093
7.16	36+31.92	34.5	850.565



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CURB RAMP DETAILS	SHEET E



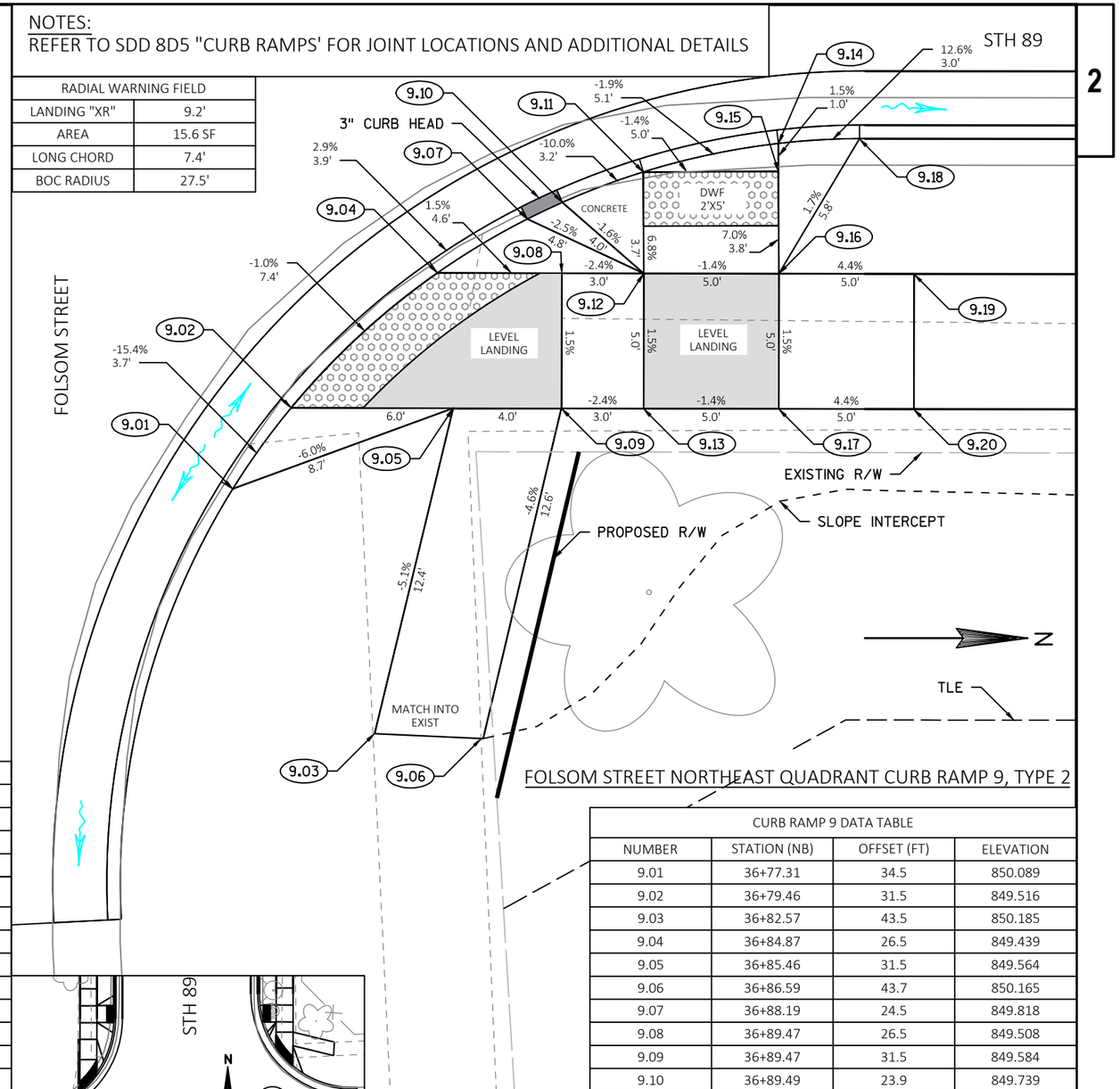
FOLSOM STREET NORTHWEST QUADRANT CURB RAMP 8, TYPE 2

RADIAL WARNING FIELD	
LANDING "XR"	9.2'
AREA	15.6 SF
LONG CHORD	7.4'
BOC RADIUS	27.5'

CURB RAMP 8 DATA TABLE

NUMBER	STATION (NB)	OFFSET (FT)	ELEVATION
8.01	36+72.04	-31.5	849.650
8.02	36+77.44	-26.5	849.569
8.03	36+80.76	-24.5	849.667
8.04	36+81.26	-31.5	849.701
8.05	36+81.26	-26.5	849.627
8.06	36+87.26	-31.5	849.610
8.07	36+87.26	-26.5	849.535
8.08	36+89.26	-21.8	849.410
8.09	36+92.26	-31.5	849.535
8.10	36+92.26	-26.5	849.460
8.11	36+92.26	-21.5	849.111
8.12	36+97.26	-31.5	849.458
8.13	36+97.26	-26.5	849.383
8.14	36+97.26	-21.5	849.035
8.15	37+00.26	-21.5	849.468
8.16	37+02.21	-31.5	849.665
8.17	37+02.21	-26.5	849.590

NOTES:
REFER TO SDD 8D5 "CURB RAMPS' FOR JOINT LOCATIONS AND ADDITIONAL DETAILS

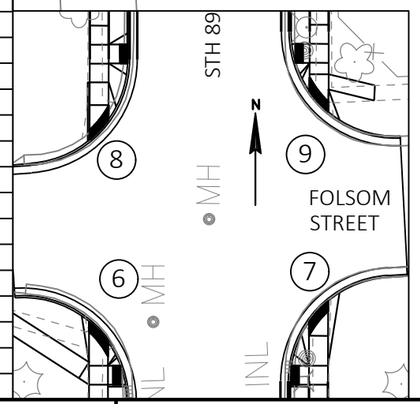


FOLSOM STREET NORTHEAST QUADRANT CURB RAMP 9, TYPE 2

RADIAL WARNING FIELD	
LANDING "XR"	9.2'
AREA	15.6 SF
LONG CHORD	7.4'
BOC RADIUS	27.5'

CURB RAMP 9 DATA TABLE

NUMBER	STATION (NB)	OFFSET (FT)	ELEVATION
9.01	36+77.31	34.5	850.089
9.02	36+79.46	31.5	849.516
9.03	36+82.57	43.5	850.185
9.04	36+84.87	26.5	849.439
9.05	36+85.46	31.5	849.564
9.06	36+86.59	43.7	850.165
9.07	36+88.19	24.5	849.818
9.08	36+89.47	26.5	849.508
9.09	36+89.47	31.5	849.584
9.10	36+89.49	23.9	849.739
9.11	36+92.48	22.7	849.172
9.12	36+92.48	26.5	849.435
9.13	36+92.48	31.5	849.510
9.14	36+97.48	21.7	849.085
9.15	36+97.48	22.7	849.100
9.16	36+97.48	26.5	849.365
9.17	36+97.48	31.5	849.440
9.18	37+00.48	21.5	849.504
9.19	37+02.50	26.5	849.582
9.20	37+02.50	31.5	849.657



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CURB RAMP DETAILS	SHEET E

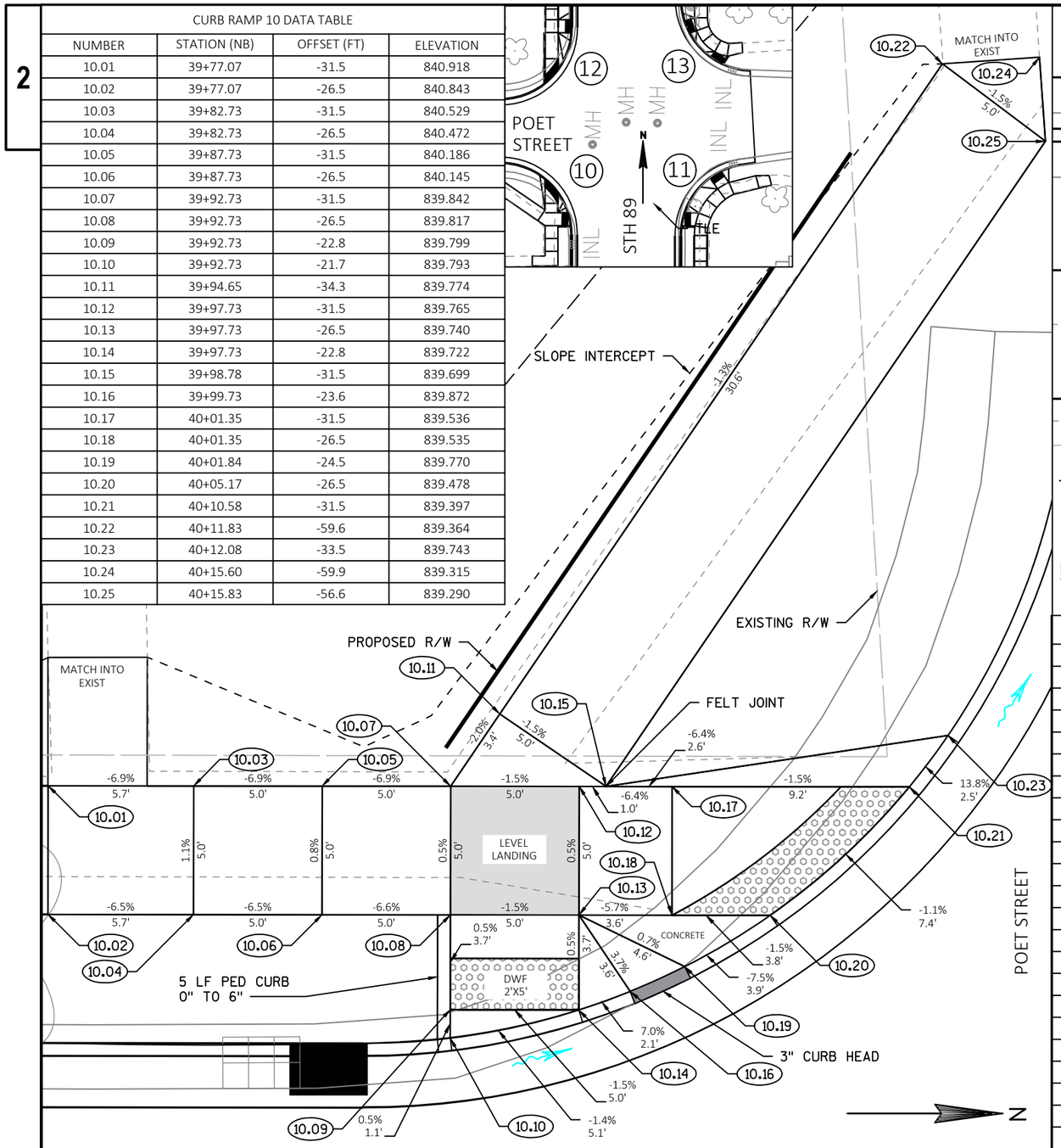
PRE_18

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\021001_CD.DWG
LAYOUT NAME - 021001_cd10
PLOT DATE : 8/23/2019 10:48 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

NOTES:
REFER TO SDD 8D5 "CURB RAMPS' FOR JOINT LOCATIONS AND ADDITIONAL DETAILS

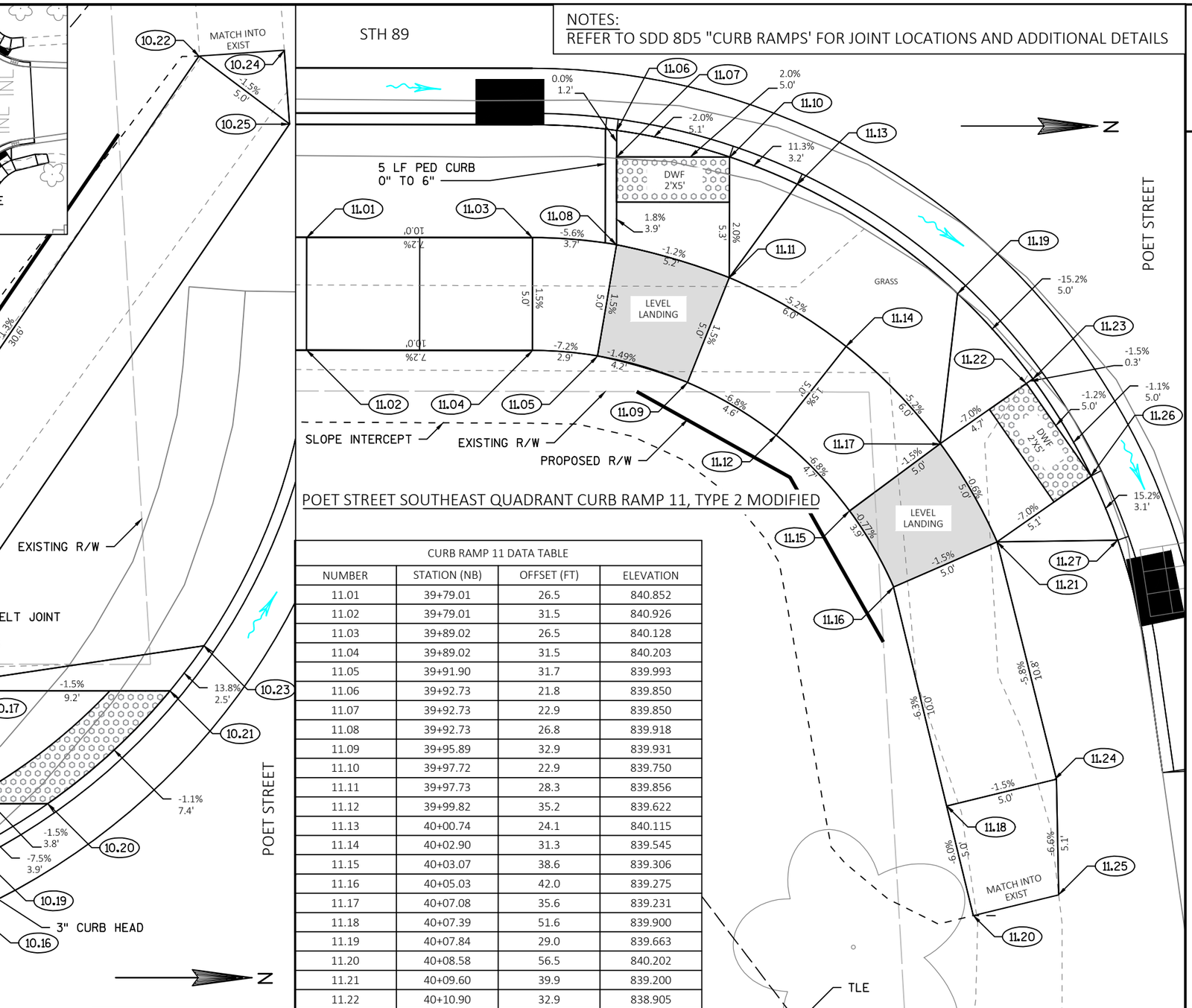
CURB RAMP 10 DATA TABLE

NUMBER	STATION (NB)	OFFSET (FT)	ELEVATION
10.01	39+77.07	-31.5	840.918
10.02	39+77.07	-26.5	840.843
10.03	39+82.73	-31.5	840.529
10.04	39+82.73	-26.5	840.472
10.05	39+87.73	-31.5	840.186
10.06	39+87.73	-26.5	840.145
10.07	39+92.73	-31.5	839.842
10.08	39+92.73	-26.5	839.817
10.09	39+92.73	-22.8	839.799
10.10	39+92.73	-21.7	839.793
10.11	39+94.65	-34.3	839.774
10.12	39+97.73	-31.5	839.765
10.13	39+97.73	-26.5	839.740
10.14	39+97.73	-22.8	839.722
10.15	39+98.78	-31.5	839.699
10.16	39+99.73	-23.6	839.872
10.17	40+01.35	-31.5	839.536
10.18	40+01.35	-26.5	839.535
10.19	40+01.84	-24.5	839.770
10.20	40+05.17	-26.5	839.478
10.21	40+10.58	-31.5	839.397
10.22	40+11.83	-59.6	839.364
10.23	40+12.08	-33.5	839.743
10.24	40+15.60	-59.9	839.315
10.25	40+15.83	-56.6	839.290



POET STREET SOUTHWEST QUADRANT CURB RAMP 10, TYPE 2

RADIAL WARNING FIELD	
LANDING "XR"	9.2'
AREA	15.6 SF
LONG CHORD	7.4'
BOC RADIUS	27.5'



POET STREET SOUTHEAST QUADRANT CURB RAMP 11, TYPE 2 MODIFIED

CURB RAMP 11 DATA TABLE

NUMBER	STATION (NB)	OFFSET (FT)	ELEVATION
11.01	39+79.01	26.5	840.852
11.02	39+79.01	31.5	840.926
11.03	39+89.02	26.5	840.128
11.04	39+89.02	31.5	840.203
11.05	39+91.90	31.7	839.993
11.06	39+92.73	21.8	839.850
11.07	39+92.73	22.9	839.850
11.08	39+92.73	26.8	839.918
11.09	39+95.89	32.9	839.931
11.10	39+97.72	22.9	839.750
11.11	39+97.73	28.3	839.856
11.12	39+99.82	35.2	839.622
11.13	40+00.74	24.1	840.115
11.14	40+02.90	31.3	839.545
11.15	40+03.07	38.6	839.306
11.16	40+05.03	42.0	839.275
11.17	40+07.08	35.6	839.231
11.18	40+07.39	51.6	839.900
11.19	40+07.84	29.0	839.663
11.20	40+08.58	56.5	840.202
11.21	40+09.60	39.9	839.200
11.22	40+10.90	32.9	838.905
11.23	40+11.18	32.7	838.900
11.24	40+12.25	50.5	839.824
11.25	40+12.36	55.6	840.163
11.26	40+13.76	37.0	838.845
11.27	40+14.95	39.9	839.311

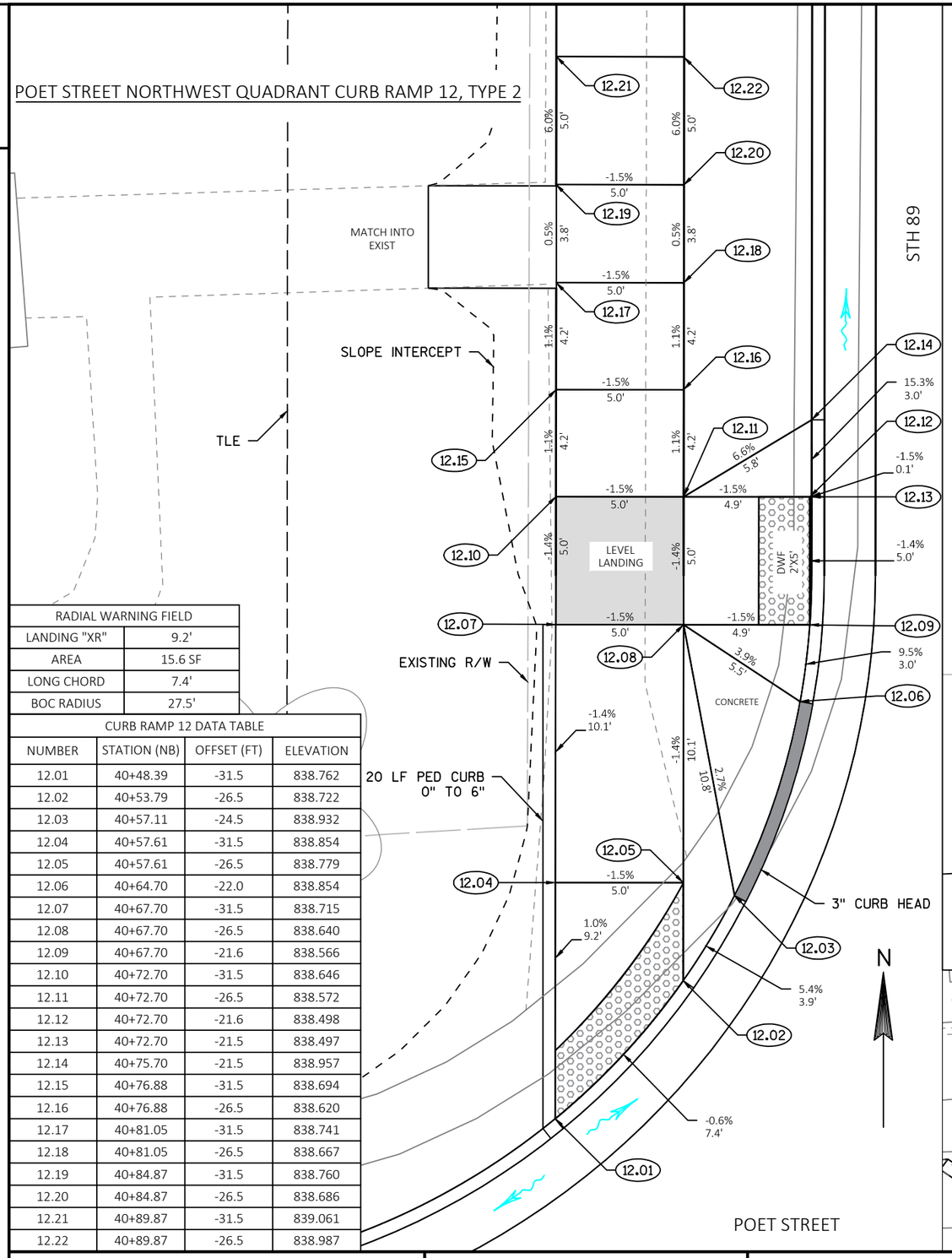
PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CURB RAMP DETAILS	SHEET E

PRE_19

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\021001_CD.DWG
LAYOUT NAME - 021001_cd11
PLOT DATE : 8/23/2019 10:48 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

NOTES:
REFER TO SDD 8D5 "CURB RAMPS' FOR JOINT LOCATIONS AND ADDITIONAL DETAILS

POET STREET NORTHWEST QUADRANT CURB RAMP 12, TYPE 2

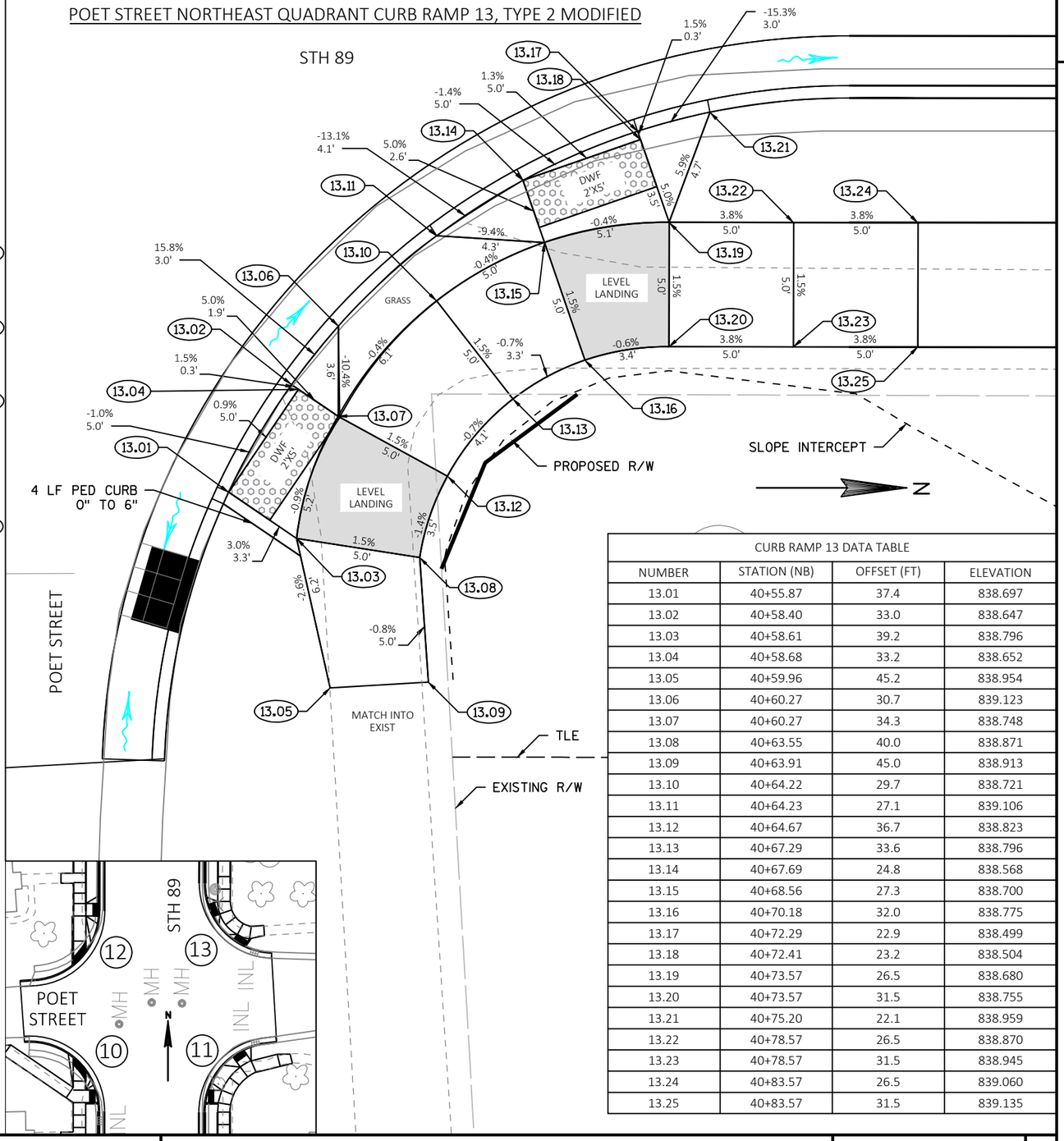


RADIAL WARNING FIELD	
LANDING "XR"	9.2'
AREA	15.6 SF
LONG CHORD	7.4'
BOC RADIUS	27.5'

CURB RAMP 12 DATA TABLE

NUMBER	STATION (NB)	OFFSET (FT)	ELEVATION
12.01	40+48.39	-31.5	838.762
12.02	40+53.79	-26.5	838.722
12.03	40+57.11	-24.5	838.932
12.04	40+57.61	-31.5	838.854
12.05	40+57.61	-26.5	838.779
12.06	40+64.70	-22.0	838.854
12.07	40+67.70	-31.5	838.715
12.08	40+67.70	-26.5	838.640
12.09	40+67.70	-21.6	838.566
12.10	40+72.70	-31.5	838.646
12.11	40+72.70	-26.5	838.572
12.12	40+72.70	-21.6	838.498
12.13	40+72.70	-21.5	838.497
12.14	40+75.70	-21.5	838.957
12.15	40+76.88	-31.5	838.694
12.16	40+76.88	-26.5	838.620
12.17	40+81.05	-31.5	838.741
12.18	40+81.05	-26.5	838.667
12.19	40+84.87	-31.5	838.760
12.20	40+84.87	-26.5	838.686
12.21	40+89.87	-31.5	839.061
12.22	40+89.87	-26.5	838.987

POET STREET NORTHEAST QUADRANT CURB RAMP 13, TYPE 2 MODIFIED



CURB RAMP 13 DATA TABLE

NUMBER	STATION (NB)	OFFSET (FT)	ELEVATION
13.01	40+55.87	37.4	838.697
13.02	40+58.40	33.0	838.647
13.03	40+58.61	39.2	838.796
13.04	40+58.68	33.2	838.652
13.05	40+59.96	45.2	838.954
13.06	40+60.27	30.7	839.123
13.07	40+60.27	34.3	838.748
13.08	40+63.55	40.0	838.871
13.09	40+63.91	45.0	838.913
13.10	40+64.22	29.7	838.721
13.11	40+64.23	27.1	839.106
13.12	40+64.67	36.7	838.823
13.13	40+67.29	33.6	838.796
13.14	40+67.69	24.8	838.568
13.15	40+68.56	27.3	838.700
13.16	40+70.18	32.0	838.775
13.17	40+72.29	22.9	838.499
13.18	40+72.41	23.2	838.504
13.19	40+73.57	26.5	838.680
13.20	40+73.57	31.5	838.755
13.21	40+75.20	22.1	838.959
13.22	40+78.57	26.5	838.870
13.23	40+78.57	31.5	838.945
13.24	40+83.57	26.5	839.060
13.25	40+83.57	31.5	839.135

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CURB RAMP DETAILS	SHEET E

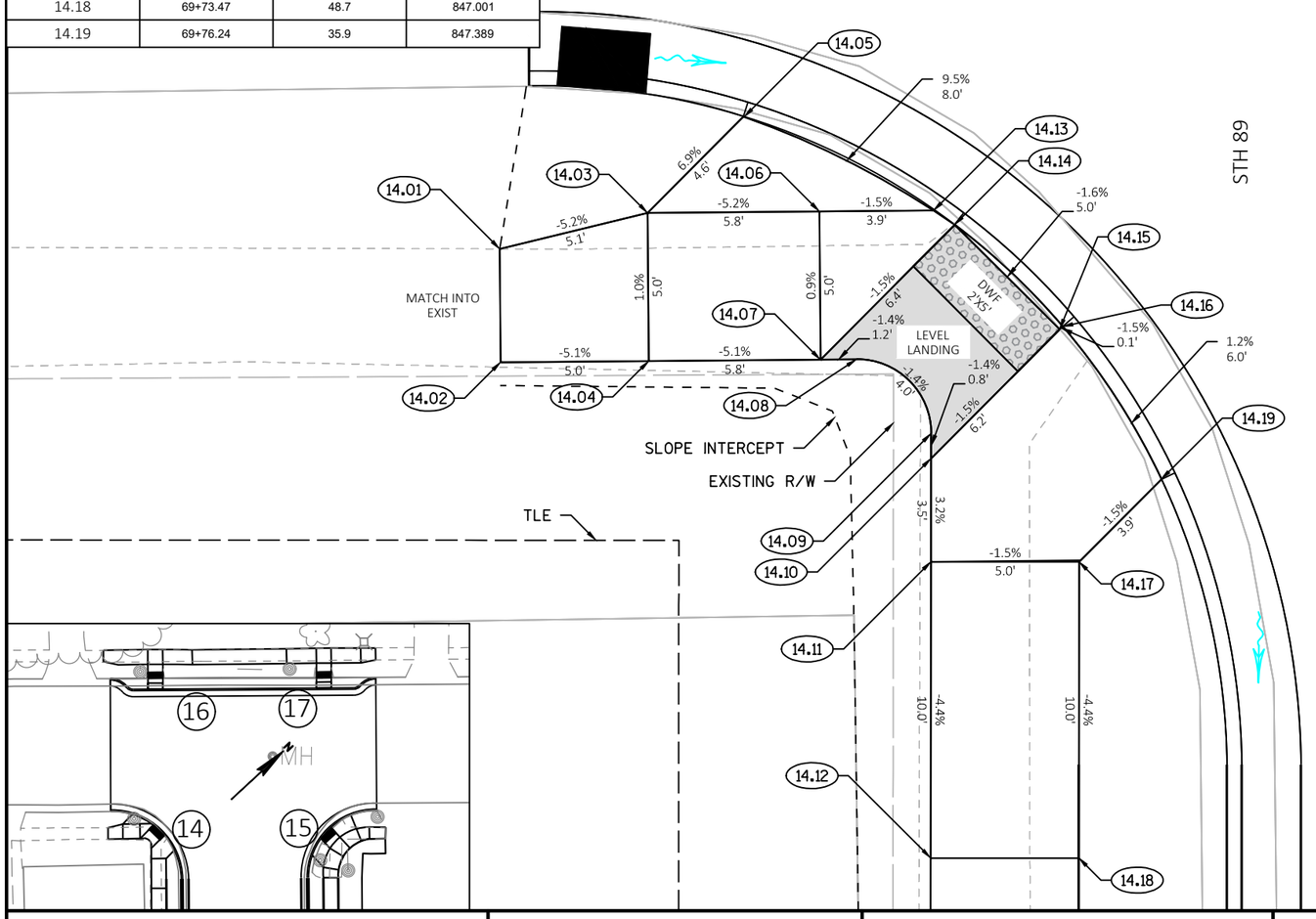
2

CURB RAMP 14 DATA TABLE			
NUMBER	STATION (EB)	OFFSET (FT)	ELEVATION
14.01	69+53.92	28.1	848.102
14.02	69+53.92	31.9	848.046
14.03	69+58.91	26.9	847.837
14.04	69+58.91	31.9	847.790
14.05	69+62.15	23.7	848.156
14.06	69+64.75	26.9	847.537
14.07	69+64.75	31.9	847.493
14.08	69+65.96	31.9	847.476
14.09	69+68.48	34.4	847.420
14.10	69+68.48	35.2	847.408
14.11	69+68.48	38.7	847.519
14.12	69+68.48	48.7	847.077
14.13	69+68.56	26.8	847.479
14.14	69+69.27	27.3	847.397
14.15	69+72.82	30.8	847.316
14.16	69+72.91	30.7	847.313
14.17	69+73.47	38.7	847.446
14.18	69+73.47	48.7	847.001
14.19	69+76.24	35.9	847.389

NOTES:
REFER TO SDD 8D5 "CURB RAMPS' FOR JOINT LOCATIONS AND ADDITIONAL DETAILS

STH 73/PARK AVENUE

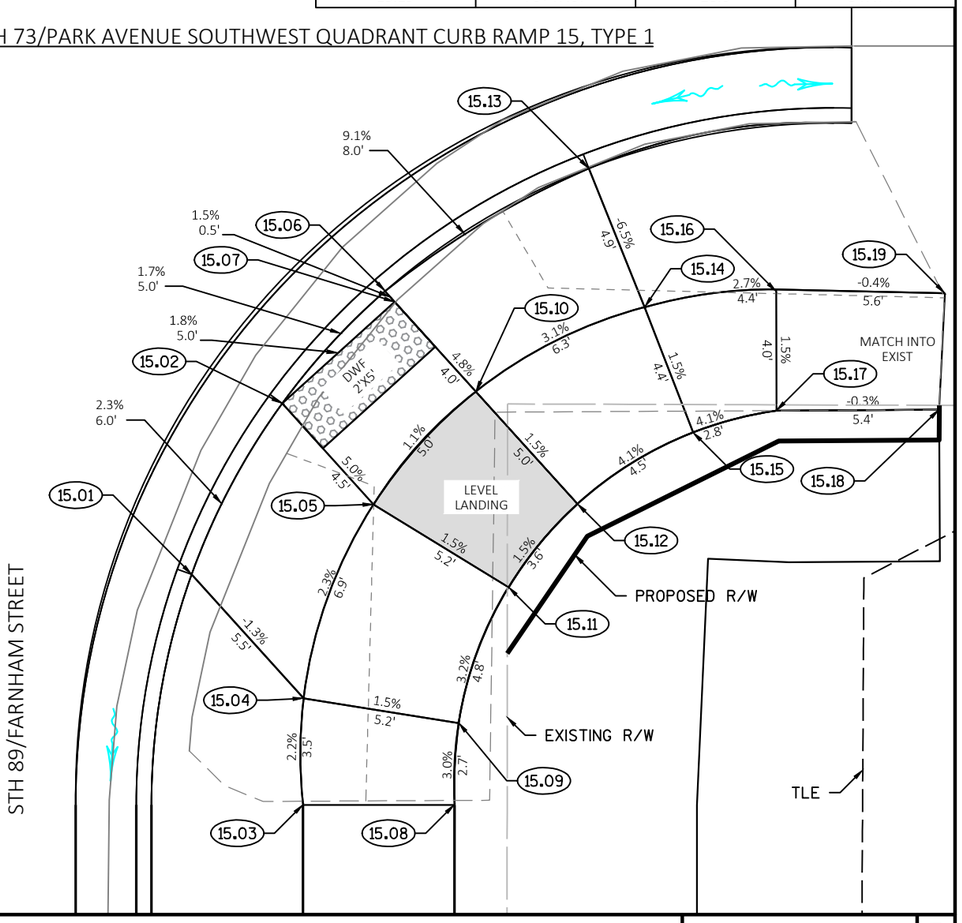
STH 73/PARK AVENUE SOUTHWEST QUADRANT CURB RAMP 14, TYPE 1A



STH 73/PARK AVENUE

CURB RAMP 15 DATA TABLE			
NUMBER	STATION (EB)	OFFSET (FT)	ELEVATION
15.01	70+22.82	37.9	847.250
15.02	70+25.80	32.3	847.106
15.03	70+26.49	45.5	847.098
15.04	70+26.54	42.0	847.177
15.05	70+28.82	35.6	847.331
15.06	70+29.19	28.6	847.190
15.07	70+29.51	28.9	847.197
15.08	70+31.50	45.5	847.173
15.09	70+31.63	42.8	847.254
15.10	70+32.19	31.9	847.387
15.11	70+33.27	38.3	847.409
15.12	70+35.53	35.6	847.461
15.13	70+35.91	24.5	847.902
15.14	70+37.76	29.1	847.581
15.15	70+39.36	33.2	847.645
15.16	70+42.10	28.5	847.694
15.17	70+42.11	32.5	847.761
15.18	70+47.47	32.5	847.677
15.19	70+47.67	28.6	847.744

STH 73/PARK AVENUE SOUTHWEST QUADRANT CURB RAMP 15, TYPE 1

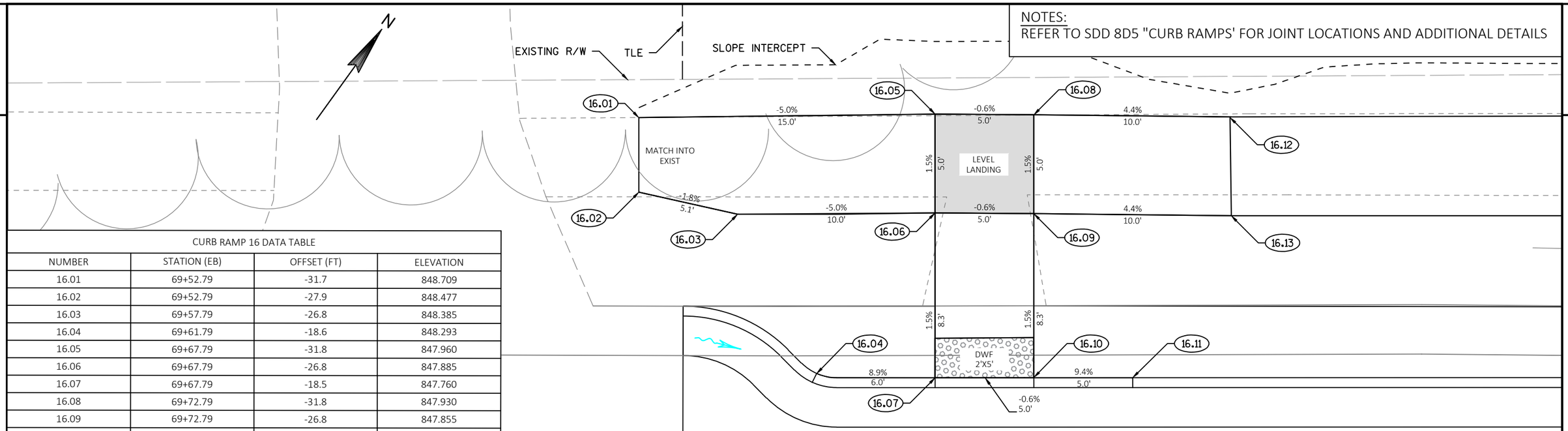


PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CURB RAMP DETAILS	SHEET E

PRE_21

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\021001_CD.DWG
LAYOUT NAME - 021001_cd13
PLOT DATE : 8/23/2019 10:49 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

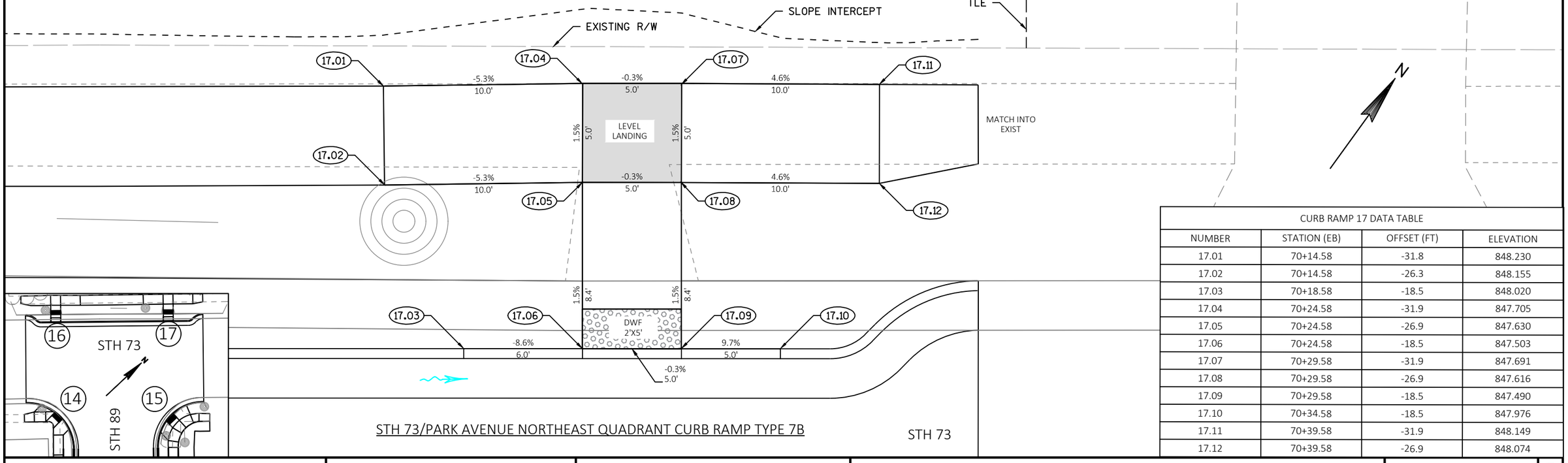
NOTES:
REFER TO SDD 8D5 "CURB RAMPS' FOR JOINT LOCATIONS AND ADDITIONAL DETAILS



CURB RAMP 16 DATA TABLE			
NUMBER	STATION (EB)	OFFSET (FT)	ELEVATION
16.01	69+52.79	-31.7	848.709
16.02	69+52.79	-27.9	848.477
16.03	69+57.79	-26.8	848.385
16.04	69+61.79	-18.6	848.293
16.05	69+67.79	-31.8	847.960
16.06	69+67.79	-26.8	847.885
16.07	69+67.79	-18.5	847.760
16.08	69+72.79	-31.8	847.930
16.09	69+72.79	-26.8	847.855
16.10	69+72.79	-18.5	847.730
16.11	69+77.79	-18.5	848.201
16.12	69+82.79	-31.7	848.150
16.13	69+82.79	-26.7	848.295

STH 73/PARK AVENUE NORTHWEST QUADRANT CURB RAMP 16, TYPE 7B

STH 73



CURB RAMP 17 DATA TABLE			
NUMBER	STATION (EB)	OFFSET (FT)	ELEVATION
17.01	70+14.58	-31.8	848.230
17.02	70+14.58	-26.3	848.155
17.03	70+18.58	-18.5	848.020
17.04	70+24.58	-31.9	847.705
17.05	70+24.58	-26.9	847.630
17.06	70+24.58	-18.5	847.503
17.07	70+29.58	-31.9	847.691
17.08	70+29.58	-26.9	847.616
17.09	70+29.58	-18.5	847.490
17.10	70+34.58	-18.5	847.976
17.11	70+39.58	-31.9	848.149
17.12	70+39.58	-26.9	848.074

STH 73/PARK AVENUE NORTHEAST QUADRANT CURB RAMP TYPE 7B

STH 73

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CURB RAMP DETAILS	SHEET E

PRE_22

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\021001_CD.DWG
LAYOUT NAME - 021001_cd14
PLOT DATE : 8/23/2019 10:49 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

2

AVALON ROAD

SEPC

SIGN

R/W

3'NB'

4'NB'

5'NB'

6'NB'

7'NB'

8'NB'

BEGIN PROJECT
STA 2+93.03'NB'

SIGN

SIGN

GOLF GREEN

LEGEND

REMOVING PAVEMENT

SAWCUT

REMOVING CONCRETE SIDEWALK

REMOVING CURB AND GUTTER

CLEAR AND GRUB TREE

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN DETAIL - REMOVALS	SHEET E

PRE_23

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\021201_PD.DWG
LAYOUT NAME - 021201_pd01

PLOT DATE : 8/12/2019 9:33 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

FOOTBRIDGE

W

INL

FLAG

SIGN

SIGN

SIGN

STA 8+65.00'NB'
REMOVE SMALL PIPE CULVERTS

STA 9+10.00'NB'
REMOVE SMALL PIPE CULVERT

STA 12+79.00'NB'
REMOVE SMALL PIPE CULVERT

STA 14+00.00'NB'
REMOVE SMALL PIPE CULVERT

9'NB'

10'NB'

11'NB'

12'NB'

13'NB'

14'NB'

STH 89

MH

TMH

SAN

OH

T

E

W

G

GOLF
COURSE

FOOTBRIDGE

LEGEND

REMOVING PAVEMENT

SAWCUT

REMOVING CONCRETE SIDEWALK

REMOVING CURB AND GUTTER

CLEAR AND GRUB TREE

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN DETAIL - REMOVALS	SHEET PRE_24 E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\021201_PD.DWG
LAYOUT NAME - 021201_pd02

PLOT DATE : 8/12/2019 9:33 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

ATHLETIC FIELD

LEGEND

REMOVING PAVEMENT

SAWCUT

REMOVING CONCRETE SIDEWALK

REMOVING CURB AND GUTTER

CLEAR AND GRUB TREE

N

STA 14+90.00'NB'
REMOVE SMALL PIPE CULVERT

STA 16+28.00'NB'
REMOVE SMALL PIPE CULVERT

WEATHER SIREN

15'NB'

16'NB'

17'NB

18'NB'

19'NB'

20'NB'

R/W

WATERLOO STREET

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN DETAIL - REMOVALS	SHEET E

PRE_25

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\021201_PD.DWG
LAYOUT NAME - 021201_pd03

PLOT DATE : 8/12/2019 9:33 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

REMOVING PAVEMENT

SAWCUT

REMOVING CONCRETE SIDEWALK

REMOVING CURB AND GUTTER

CLEAR AND GRUB TREE

N

SIGN ⊙FLAG

⊙POST

21'NB' 22'NB' 23'NB' 24'NB' 25'NB' 26'NB' 27'NB'

INL

MH

FRONTAGE ROAD

GUY

ANT

W

⊙FLAG

ANT.

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN DETAIL - REMOVALS	SHEET E

PRE_26

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\021201_PD.DWG
LAYOUT NAME - 021201_pd04

PLOT DATE : 8/12/2019 9:33 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- REMOVING PAVEMENT
- SAWCUT
- REMOVING CONCRETE SIDEWALK
- REMOVING CURB AND GUTTER
- CLEAR AND GRUB TREE

N

SIGN

28'NB'

29'NB'

30'NB'

31'NB'

32'NB'

33'NB'

FLAG

GRAVEL

INL

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN DETAIL - REMOVALS	SHEET E

PRE_27

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\021201_PD.DWG
LAYOUT NAME - 021201_pd05

PLOT DATE : 8/12/2019 9:33 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

FOLSOM STREET

STA 36+05.00'NB'
REMOVE INLET
REMOVE STORM SEWER 12-INCH, 18 LF

STA 49+53.00'FO'
REMOVE INLET
REMOVE STORM SEWER 12-INCH, 32 LF

STA 36+24.00'NB' - STA 40+24.00'NB'
REMOVE STORM SEWER 15-INCH, 400 LF

STA 34+35.00'NB'
REMOVE INLET
REMOVE STORM SEWER 12-INCH,

STA 34+48.00'NB'
REMOVE MANHOLE

STA 36+24.00'NB'
REMOVE MANHOLE

STA 36+12.00'NB'
REMOVE INLET
REMOVE STORM SEWER 12-INCH, 34 LF

FOLSOM STREET

LEGEND

- REMOVING PAVEMENT
- SAWCUT
- REMOVING CONCRETE SIDEWALK
- REMOVING CURB AND GUTTER
- CLEAR AND GRUB TREE

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN DETAIL - REMOVALS	SHEET E

PRE_28

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\021201_PD.DWG
LAYOUT NAME - 021201_pd06

PLOT DATE : 8/12/2019 9:33 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

POET STREET

POET STREET

STA 39+85.00'NB'
REMOVE INLET
REMOVE STORM SEWER 12-INCH, 36 LF

STA 40+24.00'NB'
REMOVE MANHOLE

STA 40+24.00'NB' - STA 42+74.00'NB'
REMOVE STORM SEWER 21-INCH, 250 LF

STA 42+79.00'NB' - STA 43+64.00'NB'
REMOVE STORM SEWER 15-INCH, 85 LF

STA 43+64.00'NB'
REMOVE INLETS
REMOVE STORM SEWER 12-INCH, 36 LF

STA 43+64.00'NB'
REMOVE MANHOLE

STA 43+64.00'NB' - STA 46+02.00'NB'
REMOVE STORM SEWER 15-INCH, 239 LF

STA 46+02.00'NB'
REMOVE INLETS
REMOVE STORM SEWER 12-INCH, 34 LF

STA 46+02.00'NB'
REMOVE MANHOLE

STA 40+17.00'PO' & STA 40+52.00 'PO'
REMOVE INLETS
REMOVE STORM SEWER 12-INCH, 110 LF

STA 42+75.00'NB'
REMOVE SMALL PIPE CULVERTS
TRIPLE 48-INCH CMCP, 92 LF

LEGEND

- REMOVING PAVEMENT
- SAWCUT
- REMOVING CONCRETE SIDEWALK
- REMOVING CURB AND GUTTER
- CLEAR AND GRUB TREE

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN DETAIL - REMOVALS	SHEET E

PRE_29

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\021201_PD.DWG
LAYOUT NAME - 021201_pd07

PLOT DATE : 8/12/2019 9:33 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

STA 46+02.00'NB'
REMOVE INLETS
REMOVE STORM SEWER 12-INCH, 34 LF

STA 46+02.00'NB'
REMOVE MANHOLE

REMOVE DRIVEWAY ACCESS

STH 73/PARK AVE

69+00'EB'

71+00'EB'

END PROJECT
STA 50+12.99'NB'
STA 69+54.98'EB'
STA 70+44.58'EB'

45'NB'
46'NB'
47'NB'
48'NB'
49'NB'
50'NB'

GRAVEL
GRAVEL

LEGEND

- REMOVING PAVEMENT
- SAWCUT
- REMOVING CONCRETE SIDEWALK
- REMOVING CURB AND GUTTER
- CLEAR AND GRUB TREE

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN DETAIL - REMOVALS	SHEET E

PRE_30

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\021201_PD.DWG
LAYOUT NAME - 021201_pd08

PLOT DATE : 8/12/2019 9:33 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND	
BA.0110	BASE AGGREGATE DENSE 3/4-INCH
AP.5224	HMA PAVEMENT 4 LT 58-28 S
AS.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG.0411	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG.0415	CONCRETE CURB AND GUTTER 6-INCH SLOPED 30-INCH TYPE J
CP.0090	CONCRETE PAVEMENT 9-INCH
CS.0410	CONCRETE SIDEWALK 5-INCH
CD.0160	CONCRETE DRIVEWAY 6-INCH

N

AVALON ROAD

INL

INL

SEPC

+30.45, -47.44' LT

+42.35, -50.00' LT

+93.75, -48.17' LT

CS.0410

R30'

R30'

CG.0411

AP.5224

+60.00, -27.26' LT

+59.57, -17.00' LT

CG.0411

+13.71, -12.10' LT

+63.72, -17.00' LT

+93.03, -12.00' LT

5'

50'

AP.5224

3'NB'

4'NB'

5'NB'

6'NB'

12'

7'NB'

AP.5224

8'NB'

STH 89

AP.5224

12'

AP.5224

33'

BEGIN PROJECT
STA 2+93.03'NB'

AS.0120

3'

5'

+63.72, 17.00' RT

+65.56, 17.00' RT

R20'

+53.12, 16.98' RT

BA.0110

+93.03, 11.04' RT

R40'

+85.21, 33.26' RT

+86.68, 41.00' RT

+17.78, 37.69' RT

+15.95, 41.00' RT

SIGN

SIGN

GOLF GREEN

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN DETAILS	SHEET E

PRE_31

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\021203_PD.DWG
LAYOUT NAME - 021301_pd01

PLOT DATE : 8/2/2019 9:55 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

FOOTBRIDGE

W

INL

FLAG

SIGN

SIGN

+97.59, -61.26' LT

+96.88, -49.26' LT

+26.79, -61.44' LT

+26.88, -49.44' LT

+41.88, -44.42' LT

+26.88, -44.44' LT

+96.88, -44.26' LT

+55.00, -44.40' LT

+96.88, -19.50' LT

+26.88, -19.50' LT

AS.0120

CS.0410

CD.0160

CS.0410

CD.0160

CD.0160

5'

CG.0411

AP.5224

50'

5'

+35.07, -55.00' LT

AS.0120

+38.18, -48.84' LT

CS.0410

CD.0160

+28.18, -43.77' LT

+38.18, -43.84' LT

CD.0160

+38.18, -19.50' LT

9'NB'

10'NB'

11'NB'

AP.5224

12'NB'

12'

13'NB'

14'NB'

STH 89

AP.5224

AP.5224

MH

33'

12'

+42.02, 17.00' RT

+65.64, 17.00' RT

BA.0110

3'

5'

AS.0120

R20'

R30'

+23.70, 45.01' RT

+93.04, 35.93' RT

+00.51, 54.13' RT

GOLF COURSE

FOOTBRIDGE

W

2

N

	LEGEND
BA.0110	BASE AGGREGATE DENSE 3/4-INCH
AP.5224	HMA PAVEMENT 4 LT 58-28 S
AS.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG.0411	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG.0415	CONCRETE CURB AND GUTTER 6-INCH SLOPED 30-INCH TYPE J
CP.0090	CONCRETE PAVEMENT 9-INCH
CS.0410	CONCRETE SIDEWALK 5-INCH
CD.0160	CONCRETE DRIVEWAY 6-INCH

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN DETAILS	SHEET E

PRE_32

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\021203_PD.DWG
LAYOUT NAME - 021301_pd02

PLOT DATE : 8/2/2019 9:55 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

ATHLETIC FIELD

MH

WEATHER SIREN

N

+67.32, -55.02' LT

+68.47, -48.14' LT

+68.28, -19.50' LT

AS.0120

CD.0160

CD.0160

5'

50'

CS.0410

+06.70, -35.66' LT

5'

+40.43, -17.00' LT

+15.43, -26.50' LT

+15.43, -19.00' LT

CS.0410

5-FT TERRACE

AP.5224

5'

50'

7'

12'

20'NB'

19'NB'

18'NB'

17'NB'

16'NB'

15'NB'

AP.5224

AP.5224

AP.5224

AP.5224

33'

12'

12'

12'

12'

33'

AP.5224

MH

CG.0411

+04.86, 19.00' RT

7'

5-FT TERRACE

CS.0410

BA.0110

3'

5'

/ SIGN

/ SIGN

+40.43, 17.00' RT

+15.43, 17.00' RT

AP.5224

R30'

R60'

5'

R30'

+47.90, 48.14' RT

+74.89, 50.26' RT

R87'

INL

+81.13, 74.84' RT

+56.56, 85.84' RT

MH

INL

WATERLOO STREET

INL

	LEGEND
BA.0110	BASE AGGREGATE DENSE 3/4-INCH
AP.5224	HMA PAVEMENT 4 LT 58-28 S
AS.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG.0411	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG.0415	CONCRETE CURB AND GUTTER 6-INCH SLOPED 30-INCH TYPE J
CP.0090	CONCRETE PAVEMENT 9-INCH
CS.0410	CONCRETE SIDEWALK 5-INCH
CD.0160	CONCRETE DRIVEWAY 6-INCH

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN DETAILS	SHEET E

PRE_33

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\021203_PD.DWG
LAYOUT NAME - 021301_pd03

PLOT DATE : 8/2/2019 9:55 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

	LEGEND
BA.0110	BASE AGGREGATE DENSE 3/4-INCH
AP.5224	HMA PAVEMENT 4 LT 58-28 S
AS.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG.0411	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG.0415	CONCRETE CURB AND GUTTER 6-INCH SLOPED 30-INCH TYPE J
CP.0090	CONCRETE PAVEMENT 9-INCH
CS.0410	CONCRETE SIDEWALK 5-INCH
CD.0160	CONCRETE DRIVEWAY 6-INCH

N

SIGN ⊙FLAG

⊙POST

+40.61, -64.26' LT

+59.10, -47.95' LT

+15.69, -36.50' LT

+45.37, -36.50' LT

+23.08, -21.50' LT

+55.08, -21.50' LT

+17.47, -21.50' LT

+48.47, -21.50' LT

+00.00, 24.50' RT

+80.00, 26.50' RT

+29.49, 19.00' RT

+24.81, 26.50' RT

+04.49, 24.50' RT

+02.89, 21.50' RT

+90.89, 21.50' RT

+79.43, 19.00' RT

+73.43, 25.00' RT

+29.49, 38.00' RT

+73.43, 28.08' RT

+69.17, 43.50' RT

+73.44, 58.26' RT

+29.95, 58.67' RT

+44.90, 58.05' RT

+56.44, 55.12' RT

+59.39, 57.82' RT

AS.0120 CS.0410 CD.0160 CD.0160 5-FT TERRACE CS.0410 AS.0120 CD.0160 CD.0160 CS.0410

AP.5224 AP.5224 CG.0411 AP.5224 AP.5224 CG.0411

5-FT TERRACE 3-FT TERRACE

21'NB' 22'NB' 23'NB' 24'NB' 25'NB' 26'NB' 27'NB'

50' 33' 33' 63' 5' 12' 7' 12' 7' 5'

R30

MH MH INL

FRONTAGE ROAD

ANT ANT ANT ANT

⊙FLAG ⊙FLAG ⊙FLAG

W W

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN DETAILS	SHEET E

PRE_34

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\021203_PD.DWG
LAYOUT NAME - 021301_pd04

PLOT DATE : 8/2/2019 9:55 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

	LEGEND
BA.0110	BASE AGGREGATE DENSE 3/4-INCH
AP.5224	HMA PAVEMENT 4 LT 58-28 S
AS.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG.0411	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG.0415	CONCRETE CURB AND GUTTER 6-INCH SLOPED 30-INCH TYPE J
CP.0090	CONCRETE PAVEMENT 9-INCH
CS.0410	CONCRETE SIDEWALK 5-INCH
CD.0160	CONCRETE DRIVEWAY 6-INCH

N

+67.57, -46.50' LT
SIGN
+55.86, -36.50' LT
+56.42, -36.50' LT
+91.67, -36.50' LT
+22.09, -41.72' LT
CS.0410
AS.0120
CD.0160
5-FT TERRACE
+55.86, -21.50' LT
+90.86, -21.50' LT
+26.42, -21.50' LT
+56.42, -21.50' LT
AP.5224
+91.67, -21.50' LT
+06.67, -21.50' LT
5'
7'
12'
33'
28'NB'
29'NB'
30'NB'
31'NB'
AP.5224 OVER AP.5223
32'NB'
33'NB'
MH
MH
CG.0411
AP.5224
+66.79, 21.50' RT
+80.79, 21.50' RT
+50.31, 21.50' RT
+34.31, 21.50' RT
+61.73, 21.50' RT
+73.73, 21.50' RT
+04.36, 21.50' RT
+16.36, 21.50' RT
+69.41, 21.50' RT
+81.41, 21.50' RT
+27.19, 21.50' RT
+40.19, 21.50' RT
+83.12, 21.50' RT
+30.51, 21.50' RT
+95.12, 21.50' RT
BA.0110
CS.0410
+67.50, 41.50' RT
+34.31, 41.50' RT
+63.23, 41.50' RT
+82.69, 41.50' RT
+05.83, 41.50' RT
+41.15, 36.61' RT
+71.15, 46.50' RT
+24.90, 46.55' RT
+02.35, 46.48' RT
+28.18, 36.50' RT
+68.54, 41.52' RT
+94.09, 36.50' RT
+29.92, 36.50' RT
FLAG
INL

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN DETAILS	SHEET E

PRE_35

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\021203_PD.DWG
LAYOUT NAME - 021301_pd05

PLOT DATE : 8/2/2019 9:55 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

FOLSOM STREET

+61.16, -41.61' LT
+03.81, -36.50' LT
+30.97, -41.61' LT
+50.81, -36.44' LT
+29.09, -58.70' LT
+32.85, -51.30' LT
+29.23, -56.26' LT
+62.84, -53.58' LT
+63.36, -46.75' LT
+27.59, -46.62' LT
+83.50, -36.50' LT
+63.68, -36.50' LT
+13.40, -36.51' LT
+77.06, -36.49' LT
+85.97, -36.50' LT
+03.96, -21.50' LT
+83.96, -21.50' LT
+61.50, -21.50' LT
+85.50, -21.50' LT
+02.94, -19.00' LT
+93.27, -19.00' LT
+12.01, -21.50' LT
+84.01, -21.50' LT
+81.68, -21.50' LT
+63.68, -21.50' LT
+41.42, 21.50' RT
+25.42, 21.50' RT
+52.51, 21.50' RT
+90.96, 21.50' RT
+02.96, 21.50' RT
+43.80, 21.50' RT
+55.80, 21.50' RT
+08.56, 19.00' RT
+00.67, 19.00' RT
+07.63, 21.50' RT
+21.63, 21.50' RT
+52.78, 36.50' RT
+38.50, 47.15' RT
+38.84, 52.21' RT
+82.57, 43.53' RT
+70.70, 50.54' RT
+07.63, 36.50' RT
+68.11, 46.48' RT

AS.0120 CD.0160 CD.0160 CS.0410 AS.0120 CD.0160 CD.0160 5-FT TERRACE CD.0160 CD.0160 CD.0160 CS.0410 CD.0160 CD.0160 CD.0160 5-FT TERRACE CD.0160 CD.0160 CD.0160 CS.0410

AP.5224 AP.5224 AP.5224 AP.5224 AP.5224 AP.5224 AP.5224 AP.5224

CG.0411 CG.0411

34'NB' 35'NB' 36'NB' 37'NB' 38'NB' 39'NB'

R30' R30' R30' R30'

5' 7' 12' 33'

INL MH SS

LEGEND	
BA.0110	BASE AGGREGATE DENSE 3/4-INCH
AP.5224	HMA PAVEMENT 4 LT 58-28 S
AS.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG.0411	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG.0415	CONCRETE CURB AND GUTTER 6-INCH SLOPED 30-INCH TYPE J
CP.0090	CONCRETE PAVEMENT 9-INCH
CS.0410	CONCRETE SIDEWALK 5-INCH
CD.0160	CONCRETE DRIVEWAY 6-INCH

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN DETAILS	SHEET E

PRE_36

2

2

POET STREET

SIGN

+15.60, -59.89' LT
+15.84, -56.62' LT
+19.28, -51.24' LT
+39.24, -52.73' LT
+39.69, -46.77' LT
R30'
R30'
+42.36, -36.50' LT
+37.45, -36.50' LT
+89.36, -19.00' LT
+69.60, -19.00' LT
+41.87, -21.50' LT
+26.87, -21.50' LT
+14.45, -21.50' LT
+37.45, -21.50' LT
+89.01, 19.00' RT
+80.79, 19.00' RT
+82.82, 21.50' RT
+96.82, 21.50' RT
+61.57, 21.50' RT
+73.57, 21.50' RT
+46.43, 21.50' RT
+62.43, 21.50' RT
+76.28, 21.50' RT
+61.28, 21.50' RT
+18.71, 44.75' RT
+19.43, 49.79' RT
+12.36, 55.57' RT
R30'
R30'
+82.82, 36.50' RT
+47.11, 41.44' RT
+62.41, 36.51' RT
+62.43, 36.50' RT
+61.28, 41.50' RT
+78.50, 41.37' RT
+50.80, 48.08' RT
5-FT TERRACE
5-FT TERRACE
40'NB'
41'NB'
42'NB'
43'NB'
44'NB'
45'NB'
46'NB'
33'
33'
33'
12'
12'
7'
7'
5'
5'
AP.5224
AP.5224
AP.5224
AP.5224
AP.5224
AP.5224
BA.0110
CD.0160
CD.0160
AS.0120
CD.0160
CD.0160
CS.0410
CG.0411
CG.0411
CS.0410
CD.0160
CD.0160
CD.0160
CD.0160
CD.0160
CD.0160
AS.0120
INL
MH
SS
ANT
FLA

N

LEGEND	
BA.0110	BASE AGGREGATE DENSE 3/4-INCH
AP.5224	HMA PAVEMENT 4 LT 58-28 S
AS.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG.0411	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG.0415	CONCRETE CURB AND GUTTER 6-INCH SLOPED 30-INCH TYPE J
CP.0090	CONCRETE PAVEMENT 9-INCH
CS.0410	CONCRETE SIDEWALK 5-INCH
CD.0160	CONCRETE DRIVEWAY 6-INCH

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN DETAILS	SHEET E

PRE_37

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\021203_PD.DWG
LAYOUT NAME - 021301_pd07

PLOT DATE : 8/2/2019 9:55 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

STH 73/PARK AVE

69+00'EB'

71+00'EB'

72+00'EB'

N

45'NB'

46'NB'

47'NB'

48'NB'

49'NB'

50'NB'

33'

12'

5'

7'

R25'

R26'

AP.5224

BA.0110

CD.0160

CS.0410

AS.0120

CG.0411

CG.0415

CP.0090

5-FT TERRACE

+35.36, -36.50' LT

+50.20, -41.50' LT

+95.15, -41.50' LT

+80.84, -36.50' LT

+84.83, -46.05' LT

+92.82, -45.09' LT

+55.02, -19.63' LT

+52.79, -27.90' LT

+57.79, -26.78' LT

+58.57, -18.15' LT

+59.25, -17.27' LT

+62.79, -16.00' LT

+67.45, -19.00' LT

+80.84, -21.50' LT

+15.84, -21.50' LT

+35.36, -21.50' LT

+74.47, -21.50' LT

+50.20, -21.50' LT

+85.20, -21.50' LT

+95.20, -21.50' LT

+41.20, -21.50' LT

END PROJECT
STA 59+47.83'EB'
STA 70+44.58'EB'

+37.10, -16.00' LT

+40.64, -17.47' LT

+41.13, -17.96' LT

+39.58, -26.86' LT

+44.57, -27.93' LT

+44.58, -19.44' LT

+92.49, 44.59' RT

+84.39, 47.67' RT

+67.50, 19.00' RT

+75.55, 47.51' RT

+39.66, 36.50' RT

+88.71, 41.51' RT

+78.50, 41.37' RT

+20.61, 21.50' RT

+48.69, 21.50' RT

+12.23, 21.50' RT

+28.54, 21.50' RT

+41.37, 21.50' RT

+53.37, 21.50' RT

+21.66, 21.50' RT

+39.66, 21.50' RT

+49.88, 41.50' RT

+89.77, 46.73' RT

+28.31, 36.50' RT

+52.69, 36.50' RT

INL

MH

SIGN

FLAG

LEGEND

BA.0110	BASE AGGREGATE DENSE 3/4-INCH
AP.5224	HMA PAVEMENT 4 LT 58-28 S
AS.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG.0411	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG.0415	CONCRETE CURB AND GUTTER 6-INCH SLOPED 30-INCH TYPE J
CP.0090	CONCRETE PAVEMENT 9-INCH
CS.0410	CONCRETE SIDEWALK 5-INCH
CD.0160	CONCRETE DRIVEWAY 6-INCH

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN DETAILS	SHEET E

PRE_38

2

2

HENRY MORSE FARMHOUSE
HISTORIC PROPERTY

SEPC

INL

AVALON ROAD

INL

SIGN

ST JEROME'S SCHOOL/CHURCH
HISTORIC PROPERTY

N

5

SIGN

SIGN

GOLF GREEN

LEGEND

- EROSION MAT URBAN CLASS 1 TYPE B
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- Ⓐ Ⓑ Ⓒ INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	EROSION CONTROL	SHEET E

PRE_39

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\022001_EC.DWG
LAYOUT NAME - 022001_ec01

PLOT DATE : 8/23/2019 11:10 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

FOOTBRIDGE

W

INL

FLAG

SIGN

SIGN

ST JEROME'S SCHOOL/CHURCH
HISTORIC PROPERTY

COLUMBUS HIGH SCHOOL
HISTORIC PROPERTY

N

2

10

MH

STH 89

GOLF
COURSE

FOOT

LEGEND

- EROSION MAT URBAN CLASS 1 TYPE B
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- Ⓐ Ⓑ Ⓒ INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	EROSION CONTROL	SHEET E

PRE_40

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\022001_EC.DWG
LAYOUT NAME - 022001_ec02

PLOT DATE : 8/23/2019 11:10 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT URBAN CLASS 1 TYPE B
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- Ⓐ Ⓑ Ⓒ INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW

ATHLETIC FIELD

COLUMBUS HIGH SCHOOL
HISTORIC PROPERTY

MH

WATERMAIN CROSS

15

MH

SIGN

SIGN

20

INL

N

STA 15+74.00'NB' - STA 16+90.00'NB'
GRADE AND SHAPE DITCH

MH

INL

MH

INL

WATERLOO STREET

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	EROSION CONTROL	SHEET E

PRE_41

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\022001_EC.DWG
LAYOUT NAME - 022001_ec03

PLOT DATE : 8/23/2019 11:10 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EROSION MAT URBAN CLASS 1 TYPE B
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- Ⓐ Ⓑ Ⓒ INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW

SIGN
FLAG
COLUMBUS HIGH SCHOOL
HISTORIC PROPERTY
POST
25
MH
INL
FRONTAGE ROAD
MH
FLAG
W
FLAG
FLAG
ANT
ANT
ANT.
ANT.
W
N

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	EROSION CONTROL	SHEET E

PRE_42

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\022001_EC.DWG
LAYOUT NAME - 022001_ec04

PLOT DATE : 8/23/2019 11:10 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

COLUMBUS HIGH SCHOOL
HISTORIC PROPERTY

N

SIGN

A C

30

MH

MH

A C

A C

INL

FLAG

LEGEND

- EROSION MAT URBAN CLASS 1 TYPE B
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- Ⓐ Ⓑ Ⓒ INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	EROSION CONTROL	SHEET E

PRE_43

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\022001_EC.DWG
LAYOUT NAME - 022001_ec05

PLOT DATE : 8/23/2019 11:10 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

FOLSOM STREET

FOLSOM STREET

35

MH

MH

MH

MH

INL

INL

C A C

B B

LEGEND

- EROSION MAT URBAN CLASS 1 TYPE B
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- A B C INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	EROSION CONTROL	SHEET E

PRE_44

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\022001_EC.DWG
LAYOUT NAME - 022001_ec06

PLOT DATE : 8/23/2019 11:10 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

POET STREET

2ND WARD CREEK

RIPRAP HEAVY
GEOTEXTILE TYPE HR

SIGN

40

45

MH

INL

ANT

FLA

RIPRAP HEAVY
GEOTEXTILE TYPE HR

POET STREET

2ND WARD CREEK

LEGEND

- EROSION MAT URBAN CLASS 1 TYPE B
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- Ⓐ Ⓑ Ⓒ INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	EROSION CONTROL	SHEET E

PRE_45

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\022001_EC.DWG
LAYOUT NAME - 022001_ec07

PLOT DATE : 8/23/2019 11:10 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

STH 73/PARK AVE

KURTH BREWERY
HISTORIC PROPERTY

45

50

W

W

INL

MH

INL

MH

FLAG

MH

SIGN

MH

SIGN

LEGEND

- EROSION MAT URBAN CLASS 1 TYPE B
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- Ⓐ Ⓑ Ⓒ INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	EROSION CONTROL	SHEET E

PRE_46

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\022001_EC.DWG
LAYOUT NAME - 022001_ec08

PLOT DATE : 8/23/2019 11:10 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

R/W

R/W

R/W

R/W

R/W

TLE

TLE

2ND WARD CREEK

2ND WARD CREEK

43+00'NB'

MH

MH

MH

MH

N

CAUTION

CAUTION

30 LF TEMPORARY SHORING

156 LF TEMPORARY SHORING

PIPE 1
1 - 66" x 51" x 95' PACS SMOOTH CORE
INLET I.E 830.85'
OUTLET I.E 829.00'
SKEW 21 RHF
REMOVE SMALL CULVERT 1 - 48" x 95'

NOTE:
DIVERT 2ND WARD CREEK INTO THE EXISTING NORTHERN TWO 48-INCH CMCP CULVERTS WITH TEMPORARY SHORING OR SANDBAGS. SANDBAGS SHALL BE INCIDENTAL TO EXCAVATION. PLACE TEMPORARY SHORING ALONG CULVERT TO PREVENT MOVEMENT OF THE PIPES DURING EXCAVATION.

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	2ND WARD CREEK DIVERSION - STAGE 1	SHEET PRE_47 E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\022002_EC.DWG
LAYOUT NAME - 022002_ec01

PLOT DATE : 8/26/2019 7:17 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

PIPE 2
1 - 66" x 51" x 95' PACS SMOOTH CORE
INLET I.E. 830.85'
OUTLET I.E. 829.00'
SKEW 21 RHF
REMOVE SMALL CULVERT 1 - 48" x 95' CMCP

PIPE 3
1 - 53" x 41" x 95' PACS SMOOTH CORE
INLET I.E. 831.60'
OUTLET I.E. 830.00'
SKEW 21 RHF
REMOVE SMALL CULVERT 1 - 48" x 95' CMCP

156 LF TEMPORARY SHORING

2ND WARD CREEK

43+00'NB'

NOTE:
DIVERT 2ND WARD CREEK INTO THE NEW 66" x 55" PACS SMOOTH CORE CULVERT WITH TEMPORARY SHORING OR SANDBAGS. SANDBAGS SHALL BE INCIDENTAL TO EXCAVATION. PLACE TEMPORARY SHORING ALONG CULVERT TO PREVENT MOVEMENT OF THE PIPES DURING EXCAVATION .

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	2ND WARD CREEK DIVERSION - STAGE 2	SHEET E

PRE_48

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\022003_EC.DWG
LAYOUT NAME - 022003_ec01

PLOT DATE : 8/26/2019 8:21 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

STA 3+63.72'NB' - STA 4+12.08'NB'
66 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

STA 4+12.08'NB' - STA 4+59.54'NB'
66 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

PIPE INSULATION REQUIRED

STA 6+10.00'NB' - STA 7+10.00'NB'
100 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

STH 89

3'NB'+00 4'NB'+00 5'NB'+00 6'NB'+00 7'NB'+00

BEGIN PROJECT
STA 2+93.03'NB'

10A STA 3+40, 27.7' R
INLETS MEDIAN 1G-MS

10B STA 3+63, 28.1' L
INLETS MEDIAN 2G-MS

10C STA 3+87, 30.2' L
INLETS 4-H-S

10D STA 4+40, 27.4' L
INLETS 4-H-S

10 STA 4+60, 12.0' L
MANHOLES 5-J

11 STA 6+60, 12.0' L
MANHOLES 5-J

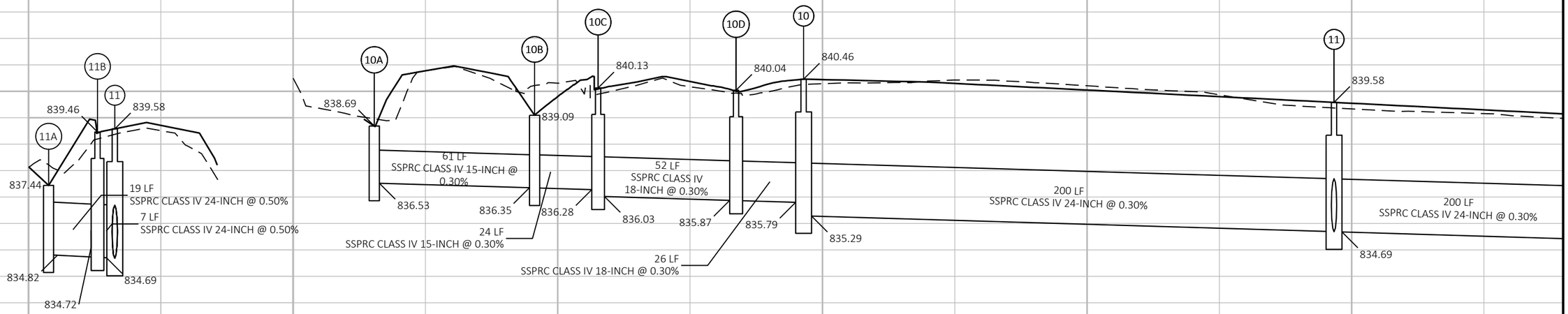
11A STA 6+60, 37.0' L
INLETS MEDIAN 2G-MS

11B STA 6+60, 18.5' L
INLETS 4-H

R/W

SIGN

SIGN



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	STORM SEWER	SHEET E

PRE_49

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\022502_SS.DWG
LAYOUT NAME - 022502_ss01

PLOT DATE : 8/26/2019 9:35 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

STA 6+10.00'NB' - STA 7+10.00'NB'
100 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

STA 8+10.00'NB' - STA 9+10.00'NB'
100 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

STA 9+80.00'NB' - STA 10+80.00'NB'
100 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

STA 8+60, 54.0' L
APRON ENDWALLS FOR CPRC 15-INCH — 12A

11A STA 6+60, 37.0' L
INLETS MEDIAN 2G-MS

11B STA 6+60, 18.5' L
INLETS 4-H

STA 8+60, 32.0' L
INLETS MEDIAN 1G-MS — 12B

STA 8+60, 18.5' L
INLETS 2x3-H — 12C

13A STA 10+30, 18.5' L
INLETS 2x3-H

STA 6+60, 12.0' L
MANHOLES 5-J — 11

STA 8+60, 12.0' L
MANHOLES 5-J — 12

13 STA 10+30, 12.0' L
MANHOLES 5-J

STA 12+
MANHO

SIGN

CAUTION

7'NB'+00 8'NB'+00 9'NB'+00 10'NB'+00 11'NB'+00 12'NB'+00

SAN MH SAN

W T OH E G

11 839.58

12 838.58

13 837.73

200 LF
SSPRC CLASS IV 24-INCH @ 0.30%

834.69

200 LF
SSPRC CLASS IV 24-INCH @ 0.30%

834.09

170 LF
SSPRC CLASS IV 24-INCH @ 0.30%

833.58

250 LF
SSPRC CLASS IV 24-INCH @ 0.50%

11B 11 839.46 839.58
11A
837.44
19 LF
SSPRC CLASS IV 24-INCH @ 0.50%
7 LF
SSPRC CLASS IV 24-INCH @ 0.50%
834.82 834.72 834.69

12A 12C 12 838.19 838.46 838.58
12B
836.75
22 LF
SSPRC CLASS IV 15-INCH @ 7.76%
14 LF
SSPRC CLASS IV 15-INCH @ 1.26%
7 LF
SSPRC CLASS IV 15-INCH @ 0.50%
835.04 834.84
834.87

13A 837.61 13 837.73
7 LF
SSPRC CLASS IV 15-INCH @ 2.00%
834.46
834.33

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	STORM SEWER	SHEET E

PRE_50

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\022502_SS.DWG
LAYOUT NAME - 022502_ss02

PLOT DATE : 8/26/2019 9:35 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

STA 12+90.00'NB' - STA 15+36.00'NB'
246 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

16A STA 13+90, 39.2' L
MANHOLES 4-M

16B STA 13+80, 33.0' L
CATCH BASINS 5-B

16C STA 13+80, 18.5' L
CATCH BASINS 5-H-S

16D STA 13+90, 18.5' L
INLETS 2x3-H-S

17A STA 14+19, 18.5' L
INLETS 2x3-H

18A STA 14+86, 49.6' L
APRON ENDWALLS FOR CPRC 12-INCH

18B STA 14+86, 33.0' L
INLETS MEDIAN 1G-MS

18C STA 14+86, 18.5' L
INLETS 2x3-H

20 STA 16+30, 12.0' L
MANHOLES 5-J

20A STA 16+30, 18.5' L
INLETS 2x3-H

15A STA 13+40, 18.5' L
INLETS 2x3-H

14 STA 12+80, 12.0' L
MANHOLES 8-J

15 STA 13+40, 12.0' L
MANHOLES 6-J

16 STA 13+80, 6.0' L
MANHOLES 8-J

17 STA 14+19, 12.0' L
MANHOLES 5-J

18 STA 14+86, 12.0' L
MANHOLES 5-J

14A STA 12+80, 26.1' R
APRON ENDWALLS FOR CPRCHE 29x45-INCH

20B STA 16+30, 30.7' R
APRON ENDWALLS FOR CPRC 30-INCH

PIPE INSULATION REQUIRED

PIPE GRATE

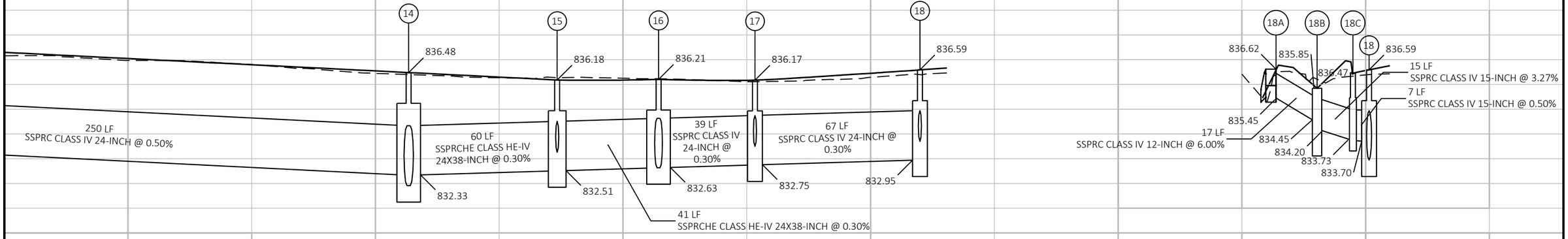
STA 15+80.00'NB' - STA 16+80.00'NB'
246 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

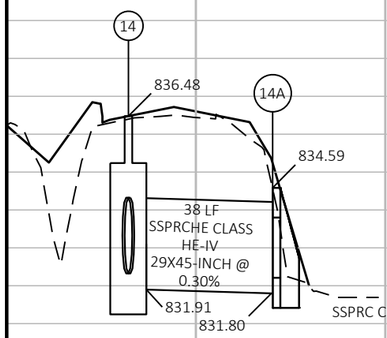
11'NB'+00 12'NB'+00 13'NB'+00 14'NB'+00 15'NB'+00 16'NB'+00 17'NB'+00

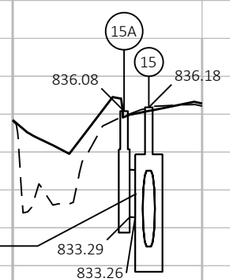
STH 89

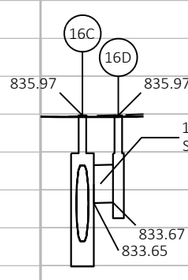
WEATHER SIREN

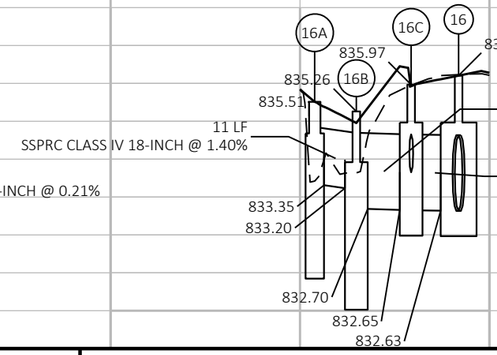
SIGN

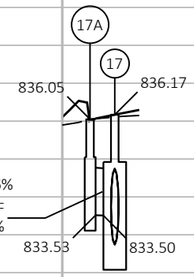












PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	STORM SEWER	SHEET E

PRE_51

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\022502_SS.DWG
LAYOUT NAME - 022502_ss03

PLOT DATE : 8/26/2019 9:36 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

STA 16+30, 12.0' L
MANHOLES 5-J
20

20A STA 16+30, 18.5' L
INLETS 2x3-H

STA 15+80.00'NB' - STA 16+80.00'NB'
100 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

STA 18+15, 40.8' L
INLETS MEDIAN 1G-MS
21A

STA 17+65.00'NB' - STA 18+65.00'NB'
100 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

STA 18+72.00'NB' - STA 19+72.00'NB'
100 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

STA 19+86.00'NB' - STA 20+86.00'NB'
100 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

STA 21+00.00'NB' - STA 22+00.00'NB'
100 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

N

STA 18+15, 20.5' L
INLETS 2x3-H
21B

22A STA 19+22, 20.5' L
INLETS 2x3-H

22.1A STA 20+36, 20.5' L
INLETS 2x3-H

23A STA 21+50, 20.5' L
INLETS 2x3-H

16'NB'+00
17'NB'+00
18'NB'+00
19'NB'+00
20'NB'+00
21'NB'+00
22'NB'+00

21 STA 18+15, 12.0' L
MANHOLES 5-J

22 STA 19+22, 12.0' L
MANHOLES 5-J

22.1 STA ???, ???' ???
MANHOLES 5-J

23 STA 21+50, 12.0' L
MANHOLES 5-J

PIPE INSULATION REQUIRED

22B STA 19+22, 20.5' R
INLETS 2x3-H

23B STA 21+50, 20.5' R
INLETS 2x3-H

STA 18+78.00'NB' - STA 19+65.00'NB'
100 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

STA 21+00.00'NB' - STA 22+00.00'NB'
100 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

R/W

20B STA 16+30, 30.7' R
APRON ENDWALLS FOR CPRC 30-INCH

20A 20 837.40 837.52
7 LF
SSPRC CLASS IV 15-INCH @ 2.00%
834.35 834.22

21A 21B 21 838.73
838.57
837.44
20 LF
SSPRC CLASS IV 15-INCH @ 0.50%
835.29 835.19 835.14

22.1A 22.1 840.64
840.48
9 LF
SSPRC CLASS IV 15-INCH @ 0.50%
836.86 836.82

22A 22 839.42 22B 839.26
839.26
9 LF
SSPRC CLASS IV 15-INCH @ 0.50%
33 LF
SSPRC CLASS IV 15-INCH @ 2.00%
836.33
835.72 835.68

23A 23 842.79 23B 842.63
842.63
33 LF
SSPRC CLASS IV 15-INCH @ 2.00%
9 LF
SSPRC CLASS IV 15-INCH @ 2.00%
838.61
838.13 837.96

20 837.52
9 LF
SSPRC CLASS IV 15-INCH @ 0.50%
20B 835.55
43 LF
SSPRC CLASS IV
30-INCH @ 0.50%
832.76 832.97

21 838.73
184 LF
SSPRC CLASS IV 30-INCH @ 0.50%
833.89 834.39

22 839.42
107 LF
SSPRC CLASS IV 24-INCH @ 0.50%
834.93

22.1 840.64
114 LF
SSPRC CLASS IV 24-INCH @ 1.00%
836.07

23 842.79
114 LF
SSPRC CLASS IV 24-INCH @ 1.00%
837.21
150 LF
SSPRC CLASS IV 24-INCH @ 2.65%

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	STORM SEWER	SHEET E

PRE_52

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\022502_SS.DWG
LAYOUT NAME - 022502_ss04

PLOT DATE : 8/26/2019 9:36 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

STA 24+00.00'NB' - STA 25+00.00'NB'
100 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

STA 26+31.00'NB' - STA 28+31.00'NB'
200 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

24A STA 24+50, 20.5' L
INLETS 2x3-H

STA 26+81, 20.5' L 25A
INLETS 2x3-H

STA 27+80, 20.5' L 26A
INLETS 2x3-H

23.1 STA 23+00, 12.0' L
MANHOLES 5-J

24 STA 24+50, 12.0' L
MANHOLES 5-J

STA 26+81, 12.0' L 25
MANHOLES 5-J

STA 27+80, 12.0' L 26
MANHOLES 5-J

24B STA 24+50, 20.5' R
INLETS 2x3-H

25B STA 26+81, 20.5' R
INLETS 2x3-H-S

STA 23+00, 36.7' R
INLETS MEDIAN 1G-MS 23.1A

STA 24+00.00'NB' - STA 25+00.00'NB'
100 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

STA 26+70.00'NB' - STA 27+31.00'NB'
80 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

23.1 846.43
23.1A 845.35
49 LF
SSPRC CLASS IV
15-INCH @ 2.00%
842.90
841.93

846.43 23.1
150 LF
SSPRC CLASS IV 24-INCH @ 2.65%
841.18

24 849.68
150 LF
SSPRC CLASS IV 24-INCH @ 2.65%
845.15

25 852.00
231 LF
SSPRC CLASS IV 24-INCH @ 1.00%
847.46

26 852.71
99 LF
SSPRC CLASS IV 24-INCH @ 0.80%
848.26

24A 24 849.68
24B 849.52
849.52
9 LF
SSPRC CLASS IV 15-INCH @ 2.00%
846.07
33 LF
SSPRC CLASS IV 15-INCH @ 2.00%
846.55
845.90

25A 25 852.00
25B
851.84
851.84
9 LF
SSPRC CLASS IV 15-INCH @ 2.00%
848.38
33 LF
SSPRC CLASS IV 15-INCH @ 2.00%
848.86
848.21

26A 26 852.71
852.55
9 LF
SSPRC CLASS IV 15-INCH @ 2.00%
849.18
849.01

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	STORM SEWER	SHEET E

PRE_53

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\022502_SS.DWG
LAYOUT NAME - 022502_ss05

PLOT DATE : 8/26/2019 9:36 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

STA 32+15.00'NB' - STA 33+15.00'NB'
100 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

30A STA 32+65, 20.5' L
INLETS 2x3-H

30 STA 32+65, 12.0' L
MANHOLES 5-J

STA 34+32, 12.0' L
MANHOLES 5-J 31

PIPE INSULATION REQUIRED

30B STA 32+65, 20.5' R
INLETS 2x3-H

EXISTING 12-INCH PVC
TO REMAIN

STA 34+32, 37.6' R
INLETS 4-C 31A

STA 32+15.00'NB' - STA 33+15.00'NB'
100 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

PIPE INSULATION REQUIRED

STA 36+03, 20.5' L
INLETS 2x3-H 32A

STA 36+03, 12.0' L
MANHOLES 5-J 32

PIPE INSULATION REQUIRED

STA 36+03, 20.5' R
INLETS 2x3-H 32B

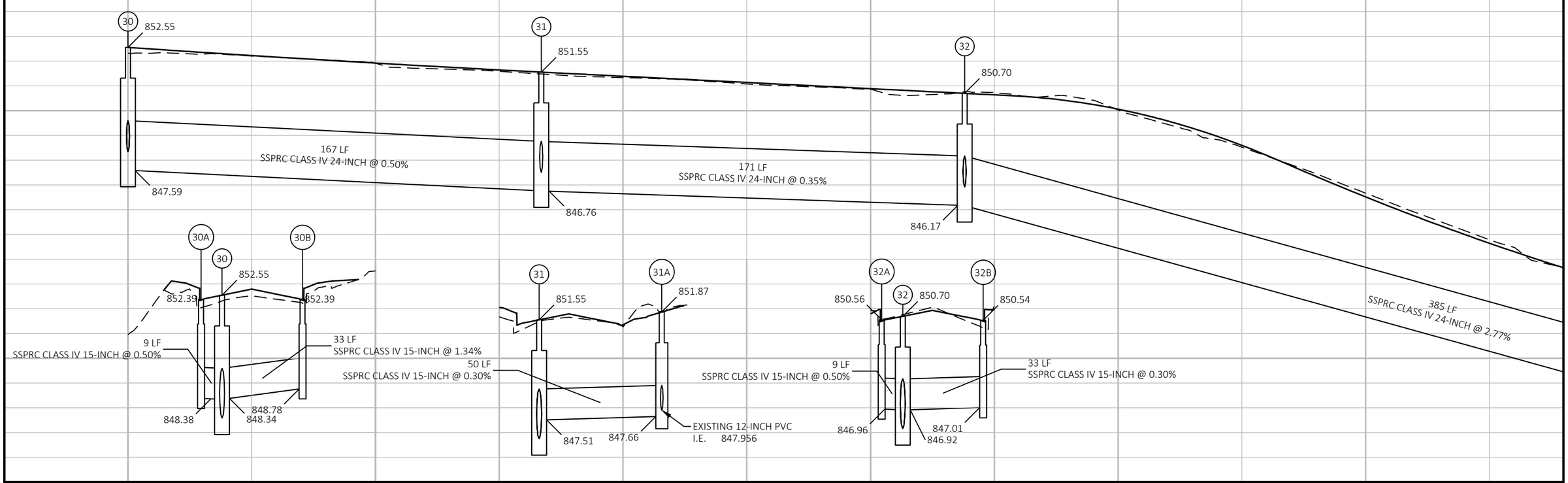
STA 35+53.00'NB' - STA 36+37.00'NB'
100 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

STA 35+53.00'NB' - STA 36+32.00'NB'
100 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

R/W

R/W

33'NB'+00 34'NB'+00 35'NB'+00 36'NB'+00 37'NB'+00 38'NB'+00



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	STORM SEWER	SHEET E

PRE_54

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\022502_SS.DWG
LAYOUT NAME - 022502_ss06
PLOT DATE : 8/26/2019 9:36 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

STA 39+38.00'NB' - STA 40+18.00'NB'
100 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

STA 39+88, 20.5' L
INLETS 2x3-H (33A)

STA 39+88, 12.0' L
MANHOLES 5-J (33)

STA 39+88, 20.5' R
INLETS 2x3-H (33B)

STA 39+38.00'NB' - STA 40+91.00'NB'
184 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

PIPE INSULATION REQUIRED

STA 40+17, 42.0' R
CATCH BASINS 5-H-S (34A)

STA 40+24, 12.0' L
MANHOLES 5-J (34)

STA 40+53, 41.3' R
INLETS 4-H-S (34B)

STA 42+50, 12.0' L
MANHOLES 5-J (35)

STA 42+63, 12.0' R
MANHOLES 5-J (36)

STA 42+79, 47.0' R
Null Structure (37)

STA 42+57.00'NB' - STA 44+77.00'NB'
220 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

STA 43+07, 20.5' L
INLETS 2x3-H (41A)

STA 43+07, 12.0' L
MANHOLES 5-J (41)

STA 43+62, 20.5' L
INLETS 2x3-H-S (42A)

STA 43+62, 12.0' L
MANHOLES 5-J (42)

STA 43+03, 50.4' R
Null Structure (40)

STA 43+67, 20.5' R
INLETS 4-H-S (42B)

STA 43+41, 20.5' R
INLETS 2x3-H (42C)

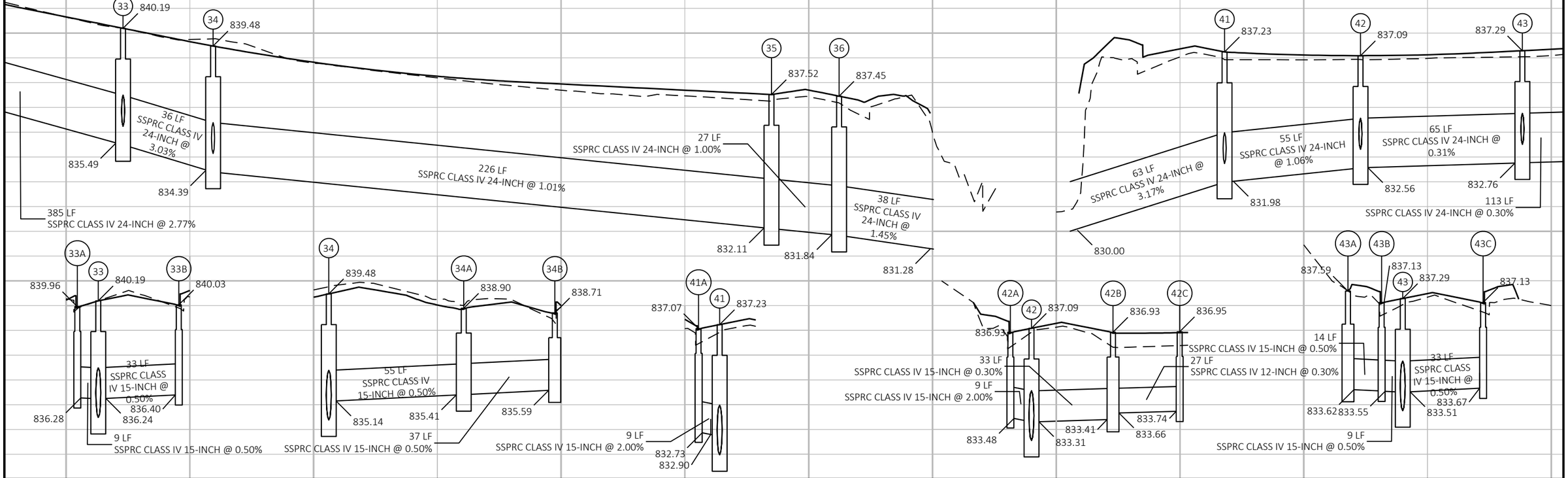
STA 44+27, 34.1' L
INLETS 4-B (43A)

STA 44+27, 20.5' L
INLETS 2x3-H (43B)

STA 44+27, 12.0' L
MANHOLES 5-J (43)

STA 44+27, 20.5' R
INLETS 2x3-H (43C)

STA 42+91.00'NB' - STA 44+77.00'NB'
186 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	STORM SEWER	SHEET E

PRE_55

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\022502_SS.DWG
LAYOUT NAME - 022502_ss07

PLOT DATE : 8/26/2019 9:36 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

44A STA 45+41, 20.5' L
INLETS 2x3-H

44 STA 45+41, 7.3' L
MANHOLES 5-J

STA 44+91.00'NB' - STA 45+91.00'NB'
100 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

45A STA 46+84, 20.5' L
INLETS 2x3-H

STA 46+34.00'NB' - STA 47+34.00'NB'
100 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

STA 49+91, 42.6' L
INLETS 4-H
47A

STA 46+84, 7.3' L
MANHOLES 5-J
45

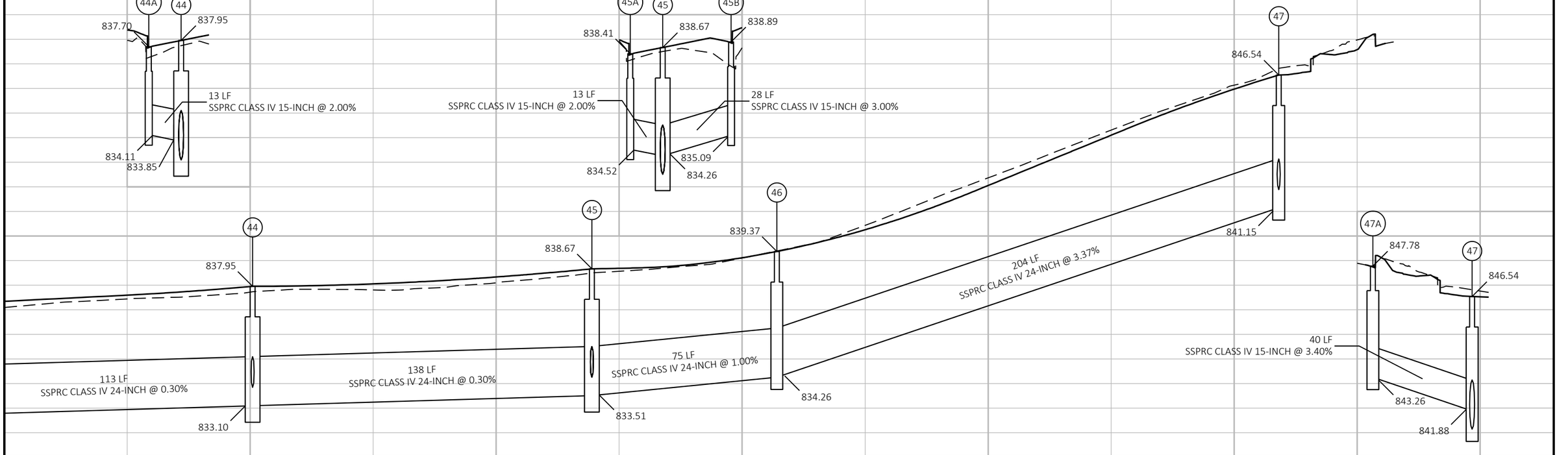
45B STA 46+84, 20.5' R
INLETS 2x3-H

46 STA 47+61, 12.0' L
MANHOLES 4-J

STA 49+65, 12.0' L
MANHOLES 4-J
47

STA 46+34.00'NB' - STA 47+34.00'NB'
100 LF, PIPE UNDERDRAIN 6-INCH WITH
GEOTEXTILE FABRIC AND AGGREGATE

46'NB'+00 47'NB'+00 48'NB'+00 49'NB'+00 50'NB'+00



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	STORM SEWER	SHEET E

PRE_56

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\022502_SS.DWG
LAYOUT NAME - 022502_ss08

PLOT DATE : 8/26/2019 9:37 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

GENERAL WATER MAIN AND SANITARY SEWER CONSTRUCTION SEQUENCE:

1. INSTALL TRAFFIC CONTROL MEASURES.
2. INSTALL AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO ANY LAND DISTURBING ACTIVITIES, AS SHOWN ON DRAWINGS AND DIRECTED BY ENGINEER.
3. STAGE WORK CONSTRUCTION BY WORK LOCATION AND CONSTRUCTION STAGE.
4. BEGIN CONSTRUCTION ACTIVITIES AS SHOWN ON DRAWINGS AND SPECIFICATIONS.
5. COMPLETE SANITARY SEWER WORK.
6. COMPLETE WATER MAIN WORK.
7. INSTALL OR ADJUST EROSION CONTROL MEASURES IN NEW FACILITIES. INSTALL ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY.
8. STABILIZE NEWLY GRADED AREAS WITHIN 7 DAYS OF BEING INACTIVE.
9. COMPLETE FINAL RESTORATION INCLUDING BUT NOT LIMITED TO: TOPSOIL, SEED, FERTILIZER AND MULCH.
10. REMOVE EROSION AND SEDIMENT CONTROL DEVICES AFTER 80% OF VEGETATION HAS BEEN ESTABLISHED IN ALL RESTORED AREAS. RESTORE DISTURBED AREAS AROUND REMOVED DEVICES, CLEAN OUT STORM WATER STRUCTURES, AND CLEAN SITE.

EROSION CONTROL NOTES:

1. INSPECTION OF ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE DONE ONCE PER WEEK AND AFTER EVERY PRECIPITATION EVENT OF 1/2-INCH OR GREATER.
2. CONTRACTOR SHALL REPAIR DEFICIENT EROSION AND SEDIMENT CONTROL MEASURES WITHIN 24-HOURS AFTER INSPECTION. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES NOT SHOWN ON THIS PLAN MAY BE NECESSARY AS A RESULT OF CONSTRUCTION PRACTICES OR AS DIRECTED BY CITY AND/OR ENGINEER.
3. ADDITIONAL EROSION AND/OR SEDIMENT CONTROL MEASURES MAY BE NECESSARY AS A RESULT OF THE CONTRACTOR'S METHODS OR AS DIRECTED BY CITY AND/OR ENGINEER.
4. CONTRACTOR SHALL NOTIFY AND OBTAIN WRITTEN ACCEPTANCE FROM ENGINEER OF PROPOSED CHANGES TO THE EROSION CONTROL PLAN AND/OR SEQUENCE PRIOR TO IMPLEMENTING THE CHANGE.
5. ENGINEER IS UNDER NO OBLIGATION TO ALTER THE CONSTRUCTION SEQUENCE AND/OR EROSION CONTROL PLAN.
6. EXCESS MATERIAL THAT IS HAULED OFF SITE SHALL BE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR SHALL OBTAIN PROPER PERMIT APPROVALS FOR EACH FILL SITE. EROSION AND SEDIMENT CONTROL MEASURES, RESTORATION AND STABILIZATION AT FILL SITE IS CONTRACTOR'S RESPONSIBILITY. CONTRACTOR TO NOTIFY OWNER OF ALL FILL AND BORROW SITES.
7. CONTRACTOR SHALL SWEEP STREETS ADJACENT TO PROJECT AT THE END OF EACH DAY.
8. ALL INSTALLATION, MAINTENANCE AND REMOVAL OF EROSION AND SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE WISCONSIN DNR TECHNICAL STANDARDS AND THE TEMPORARY EROSION AND SEDIMENT CONTROL SPECIFICATION SECTION 015713.
9. IF TRENCH DEWATERING IS NECESSARY, CONTRACTOR SHALL PROVIDE PROPER DEWATERING SEDIMENT CONTROL DEVICE. DISCHARGE OF SEDIMENT LADEN WATER TO THE STORM SEWER OR SURFACE WATER IS PROHIBITED.

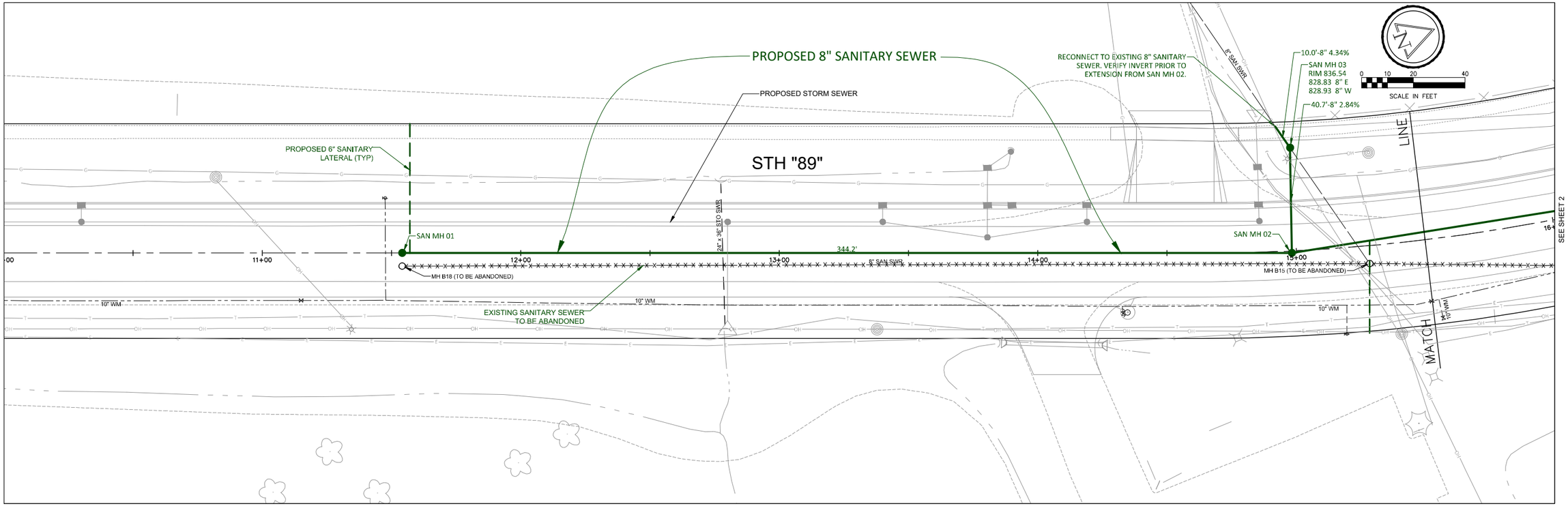
GENERAL WATER MAIN CONSTRUCTION NOTES:

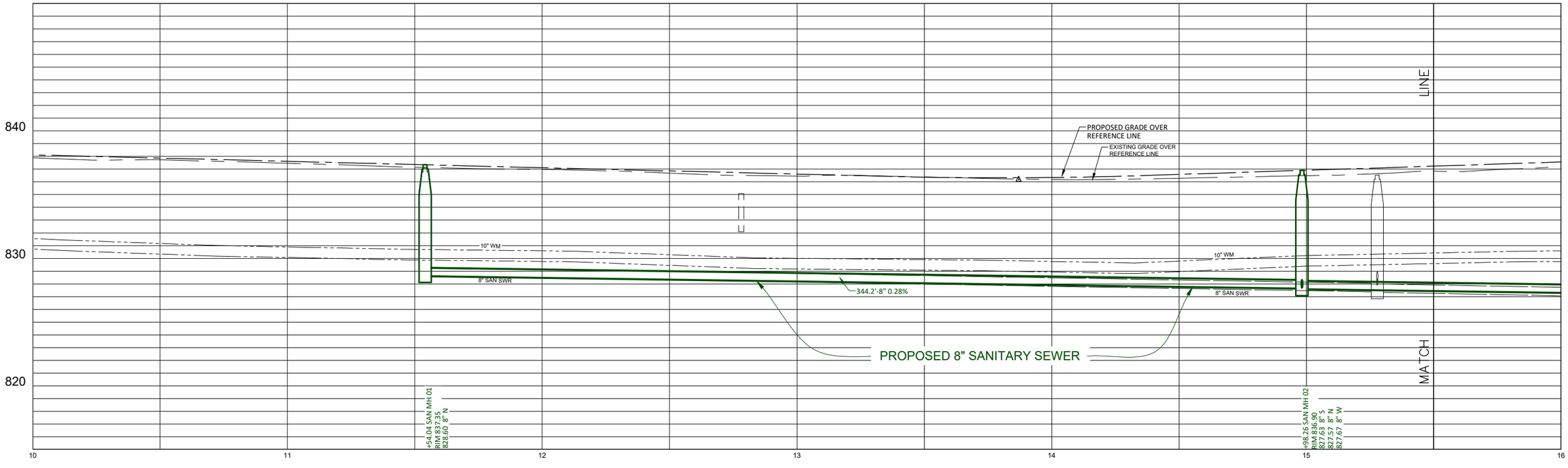
1. ALL WATER MAIN RELATED CONSTRUCTION SHALL COMPLY WITH TECHNICAL STANDARDS FOR SEWER AND WATER CONSTRUCTION, CITY OF COLUMBUS, SECOND EDITION, SEPTEMBER 2019 AND THE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN, SIXTH EDITION, DECEMBER 2003, INCLUDING ADDENDA.
2. PRIOR TO CONSTRUCTION, VERIFY LOCATION AND ELEVATION OF CONNECTION POINTS INCLUDING SERVICES. NOTIFY ENGINEER OF ANY DISCREPANCIES.
3. WATER MAIN BURY DEPTH TO TOP OF PIPE SHALL BE 6.5' MINIMUM.
4. ALL WATER MAIN AND STORM SEWER CROSSING SHALL BE INSULATED WITH A 2"x4'x8' SHEET OF POLYSTYRENE INSULATION.
5. ALL WATER SERVICE AND STORM SEWER CROSSING SHALL BE INSULATED WITH A 2"x2'x8' SHEET OF POLYSTYRENE INSULATION.
6. COLUMBUS WATER AND LIGHT (CWL) PERSONNEL WILL OPERATE ALL WATER MAIN VALVES IN CONJUNCTION WITH THIS PROJECT. CONTRACTOR SHALL NOTIFY CWL A MINIMUM OF 24 HOURS PRIOR TO ANY VALVES BEING OPERATED.
7. CURB STOPS SHALL BE CENTERED WITHIN THE TERRACE UNLESS OTHERWISE SHOWN OR AS DIRECTED BY CWL.
8. CURB STOP LOCATIONS SHALL BE SCRIBED OR STAMPED INTO THE CURB HEAD WHEN CURB AND GUTTER IS BEING POURED BY PLACING A 'W' INTO THE TOP OF THE CURB HEAD IN LINE WITH THE CURB STOP AND WATER SERVICE.
9. FINAL GRADE ON ALL VALVE BOXES SHALL BE 0.25" BELOW FINISH GRADE.
10. WATER SERVICE CURB STOPS LOCATED WITHIN CONCRETE SHALL BE INSTALLED WITH FROST SLEEVE. FROST SLEEVE SHALL BE FURNISHED BY CWL.
11. WATER SERVICE CURB STOPS LOCATED IN ASPHALTIC PAVEMENT, INCLUDING PARKING AREAS, SHALL BE INSTALLED INSIDE VALVE BOXES.
12. PROPOSED WATER MAIN VALVES THAT ARE ON DEAD ENDS OR HAVE PLUG AND BUTTRESS SHALL HAVE 4" PVC PIPE WITH CAP, CUT TO FIT, INSERTED INSERTED INTO VALVE BOX TO PREVENT ACCIDENTAL OPENING.
13. HYDRANT VALVES SHALL BE LOCATED 2' FROM FLAG OF CURB AND HYDRANT SHALL BE SET BACK FROM BACK OF CURB 2' UNLESS OTHERWISE SHOWN OR AS DIRECTED BY CWL. MEASUREMENT IS TO NEAREST PORTION OF VALVE BOX OR HYDRANT.

GENERAL SANITARY SEWER CONSTRUCTION NOTES:

1. ALL SANITARY SEWER RELATED CONSTRUCTION SHALL COMPLY WITH TECHNICAL STANDARDS FOR SEWER AND WATER CONSTRUCTION, CITY OF COLUMBUS, SECOND EDITION, SEPTEMBER 2019 AND THE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN, SIXTH EDITION, DECEMBER 2003, INCLUDING ADDENDA.
2. PRIOR TO CONSTRUCTION, VERIFY LOCATION AND ELEVATION OF CONNECTION POINTS INCLUDING LATERALS. NOTIFY ENGINEER OF ANY DISCREPANCIES. CONTRACTOR SHALL ALSO DETERMINE IF LATERALS ARE ACTIVE OR INACTIVE AND REPLACE ALL ACTIVE LATERALS.
3. PROPOSED SANITARY SEWER LATERALS SHALL MAINTAIN MINIMUM OF 6" CLEARANCE ABOVE OR 18" BELOW EXISTING OR PROPOSED WATER MAIN.
4. LOCATOR BOXES FOR SEWER LATERALS SHALL BE LOCATED AT PROPERTY LINE UNLESS OTHERWISE SHOWN OR DIRECTED BY ENGINEER. IF BOX IS NOT LOCATED AT PROPERTY LINE, DETECTOR WIRE SHALL BE PLACED WITH NEW LATERAL TO PROPERTY LINE AND LOOP BACK TO LOCATOR BOX.
5. NEW 6" LATERALS SHALL BE CONNECTED TO EXISTING 4" LATERALS, IF PRESENT, AT PROPERTY LINE WITH FACTORY FITTING.

2





PROJECT NO: 3670-01-72	HWY: STH 89	COUNTY: COLUMBIA	WATER MAIN AND SANITARY SEWER PLAN AND PROFILE	SHEET 8

PRE_58

E

FILE NAME : G:\C3D\8117_COLUMBUS\10044\DWG\Z-001-CPP-STH 89-SW-01.DWG PLOT DATE : 6/12/2019 8:29 AM PLOT BY : KLIEVE, JUSTIN PLOT NAME : PLOT SCALE : 1" = 10'

WISDOT/CADDS SHEET 42

LAYOUT NAME - Layout1

2

PROPOSED 8" SANITARY SEWER

PROPOSED 8" WATER MAIN

SOCCER FIELD STORAGE SHED AND IRRIGATION SYSTEM

RECONNECT TO EXISTING SOCCER FIELD IRRIGATION PIPING. REFER TO DETAIL 3 ON SHEET 18.

6"-90° BEND WITH CAP AND TAPPED FOR 2" SERVICE INV. 830.37

PROPOSED 2" WATER SERVICE DRAIN, CURB STOP, AND CURB BOX. SLOPE TO CLEAR STONE.

PROVIDE 1 CUBIC YARD OF CLEAR STONE AT END OF 2" WATER SERVICE DRAIN

PROPOSED STORM SEWER

STH "89"

SCALE IN FEET

SEE SHEET 1

SEE SHEET 3

SEE SHEET 9

SAN MH 04

SAN MH 05

SAN MH 07

3.3'-6" 0.40%

3.3'-6" 0.40%

6" VALVE V-2 INV. 830.34

47.0'-5" 0.40%

8" x 6" TEE

8" x 8" TEE

8" VALVE V-4

8" VALVE V-7

HYDRANT H-1
8" x 6" HYD TEE
W/ 6" HYD VALVE
16' HYD LEAD
FLANGE ELEV.=838.67'

EXISTING WATER MAIN TO BE ABANDONED (TYP)

CONNECT TO EXISTING 10" WATER MAIN
5.0'-10" 0.00%
10" x 8" REDUCER
5.0'-8" 0.00%
8" VALVE V-1
5.0'-8" 0.00%
45° BEND
18.0'-8" 0.40%
45° BEND
AND DEFLECT PIPE

EXISTING SANITARY SEWER TO BE ABANDONED

SEE SHEET 16 FOR DETAILS

SEE SHEET 16 FOR DETAILS

WATERLOO STREET

LINE

MATCH

151.5'

160.0'

44.0'

76.1'

10.0'

40.8'

10.0'

240.0'

164.2'

10" WM

6" WM

4" WM

8" SAN SWR

15" STO SWR

18" STO SWR

24" STO SWR

22" STO SWR

16+00

17+00

18+00

19+00

20+00

21

+75.12 CONNECT TO EXISTING 10" WATER MAIN
+79.96 10" x 8" REDUCER INV. 829.90
+84.80 8" VALVE V-1 INV. 829.90
+89.64 45° BEND INV. 829.90
+90.14 45° BEND AND DEFLECT PIPE INV. 829.97

+43.97 8" x 6" TEE INV. 830.15
INV. 830.15

+20.02 8" x 6" TEE INV. 830.46
INV. -3.54
+30.02 8" VALVE V-4 INV. 830.50

+80.84 8" VALVE V-7 INV. 830.70

+45.00 GRD BRK INV. 831.35

PROPOSED 8" WATER MAIN

PROPOSED GRADE OVER REFERENCE LINE

EXISTING GRADE OVER REFERENCE LINE

PROPOSED 8" SANITARY SEWER

44.0' 8" 0.40%

76.1' 8" 0.40%

10.0' 8" 0.40%

40.8' 8" 0.40%

164.2'-8" 0.40%

10.0'-8" 0.40%

240.0'-8" 0.40%

18.0'-8" 0.40%

151.5'-8" 0.28%

160.0'-8" 0.28%

10" WM

6" WM

8" SAN SWR

+50.00 SAN MH 04
RIM 837.89
827.15 8" S
827.10 8" N

+10.02 SAN MH 05
RIM 838.33
826.85 8" S
826.01 8" N
826.60 8" E

+50.00 SAN MH 07
RIM 841.09
828.97 8" S
823.07 8" N

840

830

820

15

16

17

18

19

20

21

PROJECT NO: 3670-01-72	HWY: STH 89	COUNTY: COLUMBIA	WATER MAIN AND SANITARY SEWER PLAN AND PROFILE	SHEET 9	E

FILE NAME : G:\C3D\8117_COLUMBUS\10044\DWG\Z-002-CPP-STH 89-SW-02.DWG

PLOT DATE : 6/12/2019 8:30 AM

PLOT BY : KLIEVE, JUSTIN

PLOT NAME :

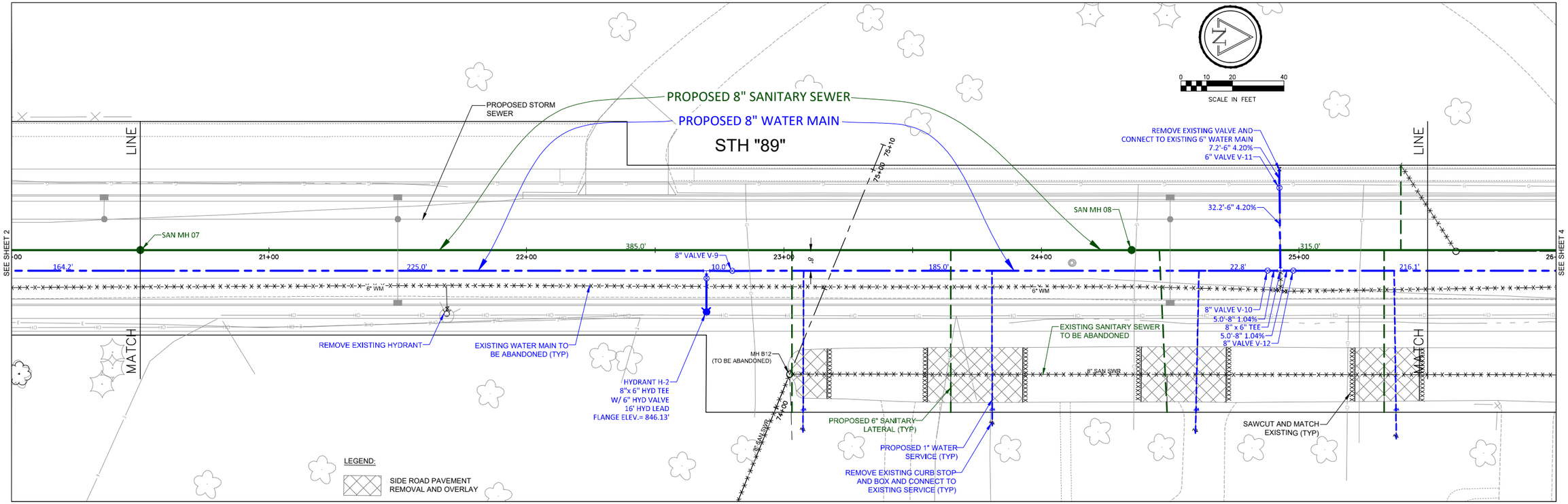
PLOT SCALE : 1" = 10'

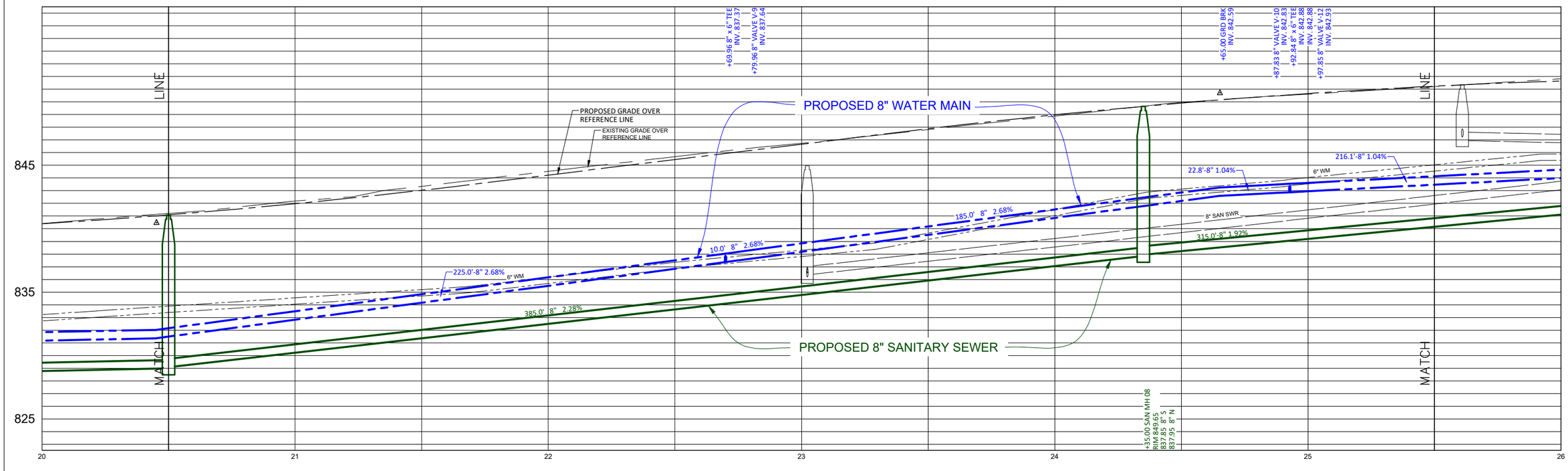
PRE_59

WISDOT/CADDS SHEET 42

LAYOUT NAME - Layout1

2





PROJECT NO: 3670-01-72	HWY: STH 89	COUNTY: COLUMBIA	WATER MAIN AND SANITARY SEWER PLAN AND PROFILE	SHEET 10

PRE_60

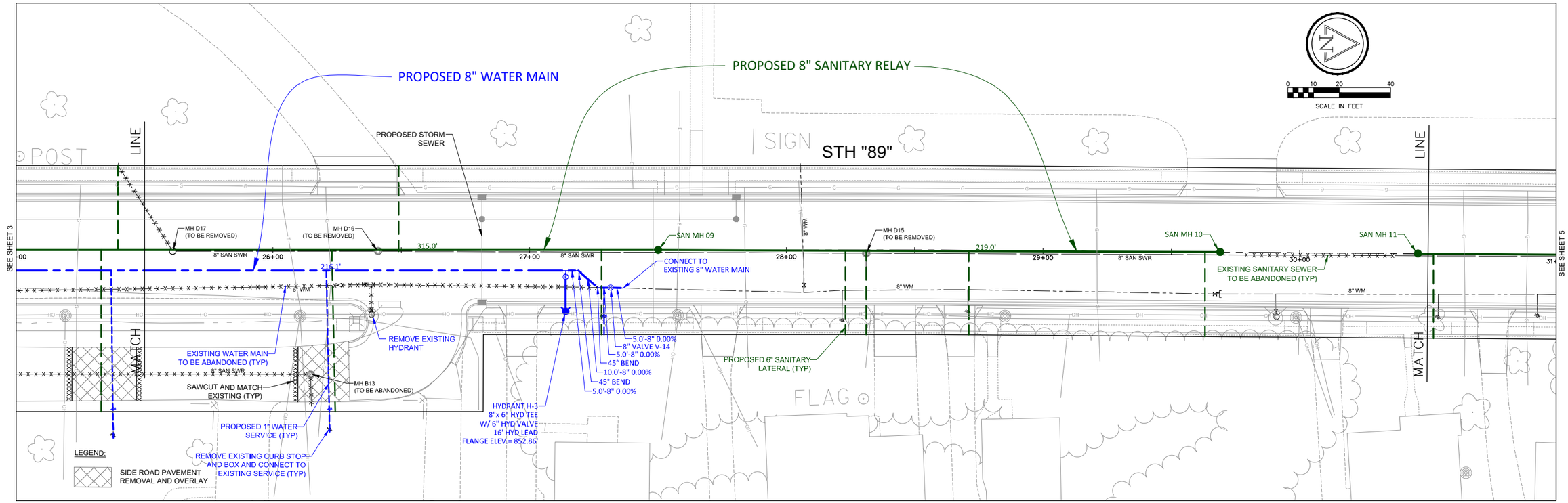
E

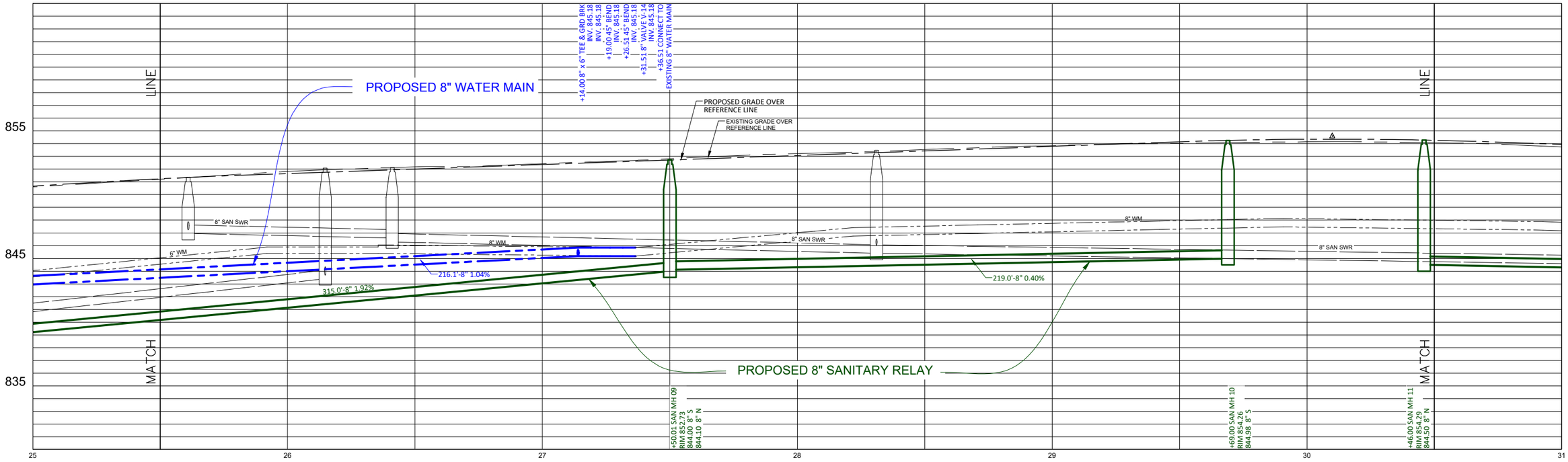
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WISDOT/CADDS SHEET 42

LAYOUT NAME - Layout1

2





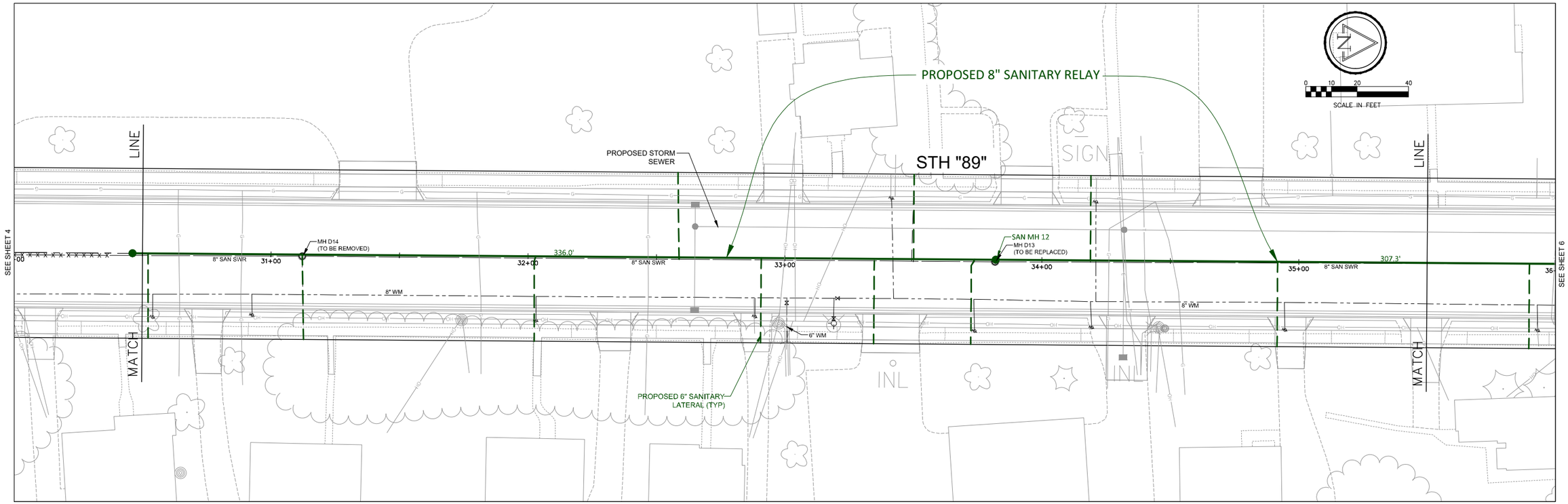
PROJECT NO: 3670-01-72	HWY: STH 89	COUNTY: COLUMBIA	WATER MAIN AND SANITARY SEWER PLAN AND PROFILE	SHEET 11	PRE_61	E

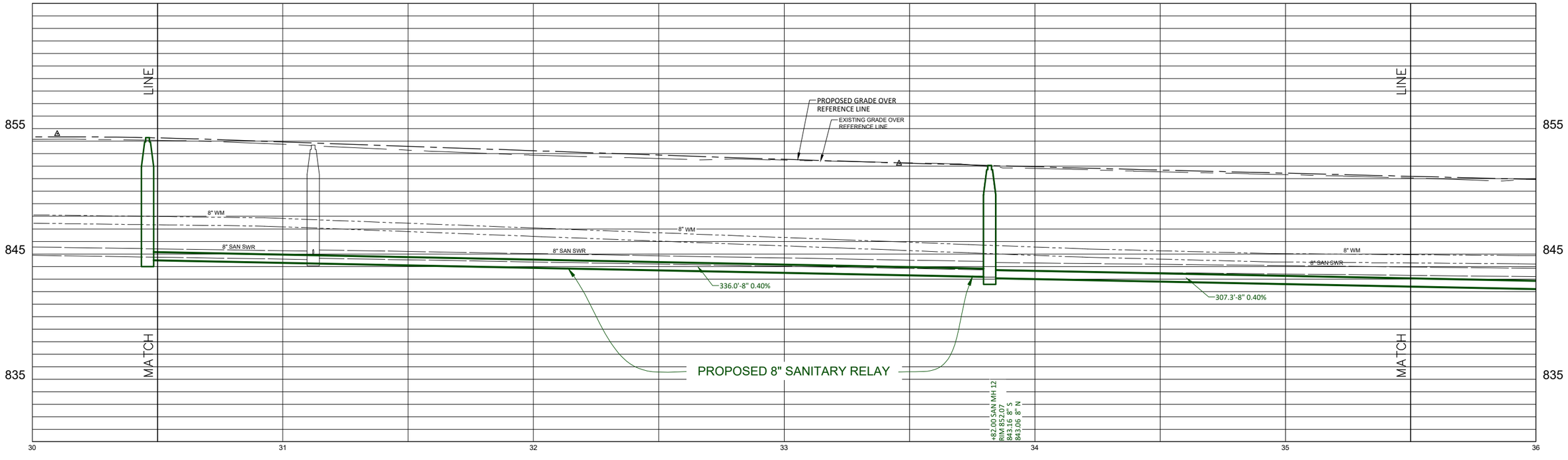
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WISDOT/CADDS SHEET 42

LAYOUT NAME - Layout1

2



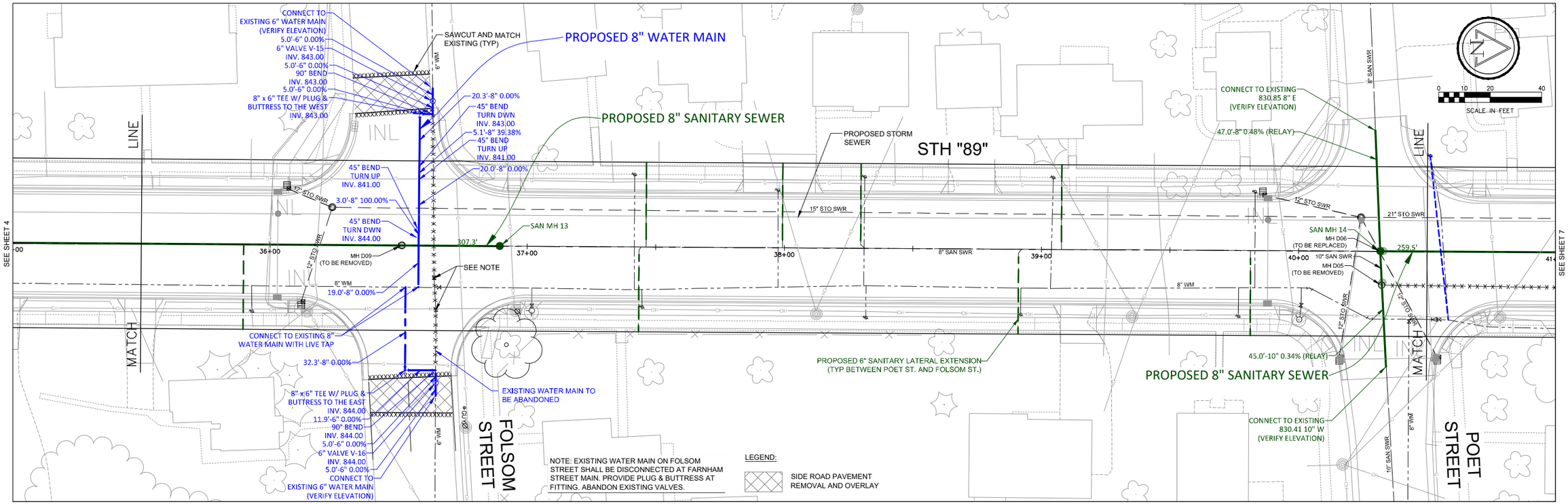


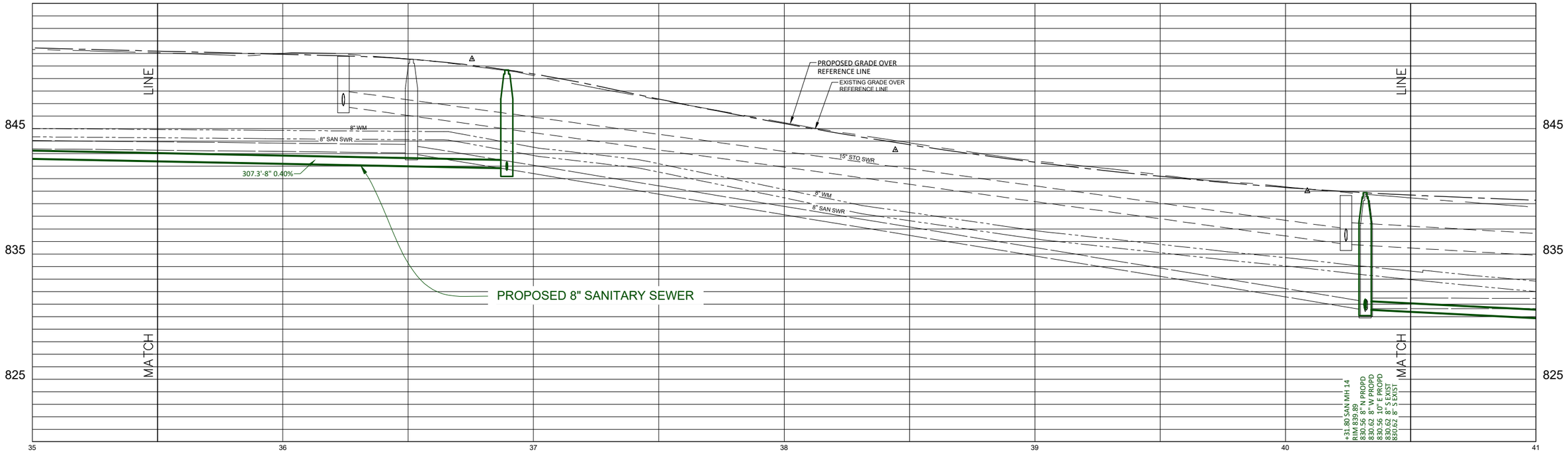
PROJECT NO: 3670-01-72	HWY: STH 89	COUNTY: COLUMBIA	WATER MAIN AND SANITARY SEWER PLAN AND PROFILE	SHEET 12	PRE_62	E

FILE NAME : G:\C3D\8117_COLUMBUS\10044\DWG\Z-005-CPP-STH 89-SW-05.DWG PLOT DATE : 6/12/2019 8:31 AM PLOT BY : KLIEVE, JUSTIN PLOT NAME : PLOT SCALE : 1" = 10'

WISDOT/CADDS SHEET 42

LAYOUT NAME - Layout1





PROJECT NO: 3670-01-72	HWY: STH 89	COUNTY: COLUMBIA	WATER MAIN AND SANITARY SEWER PLAN AND PROFILE	SHEET 13

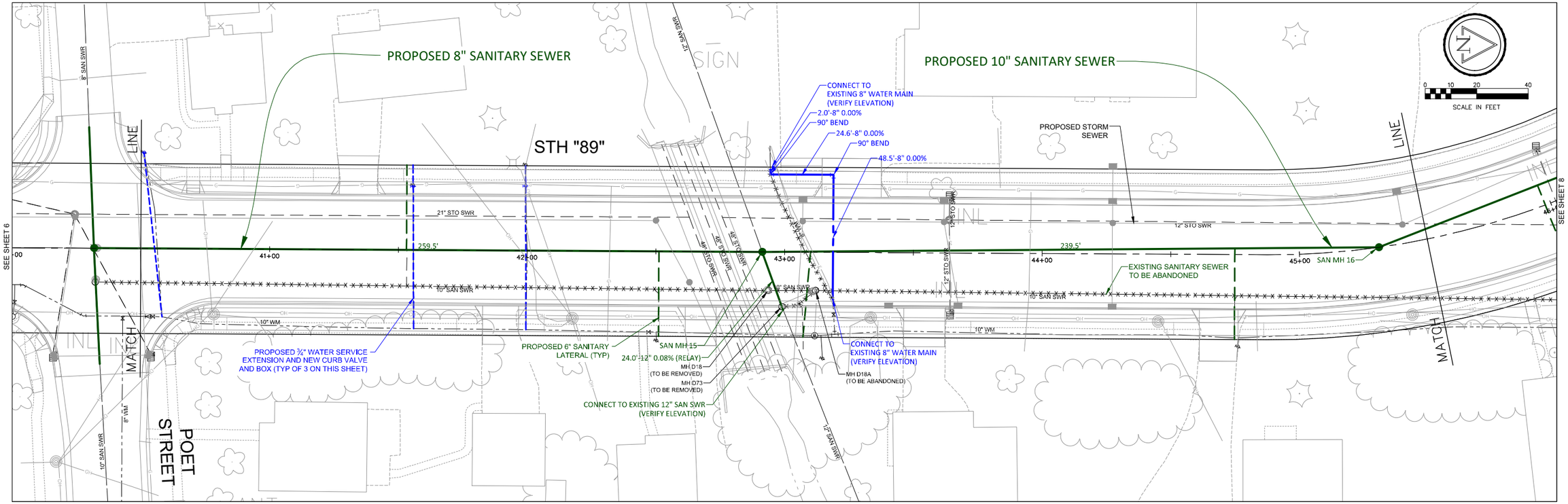
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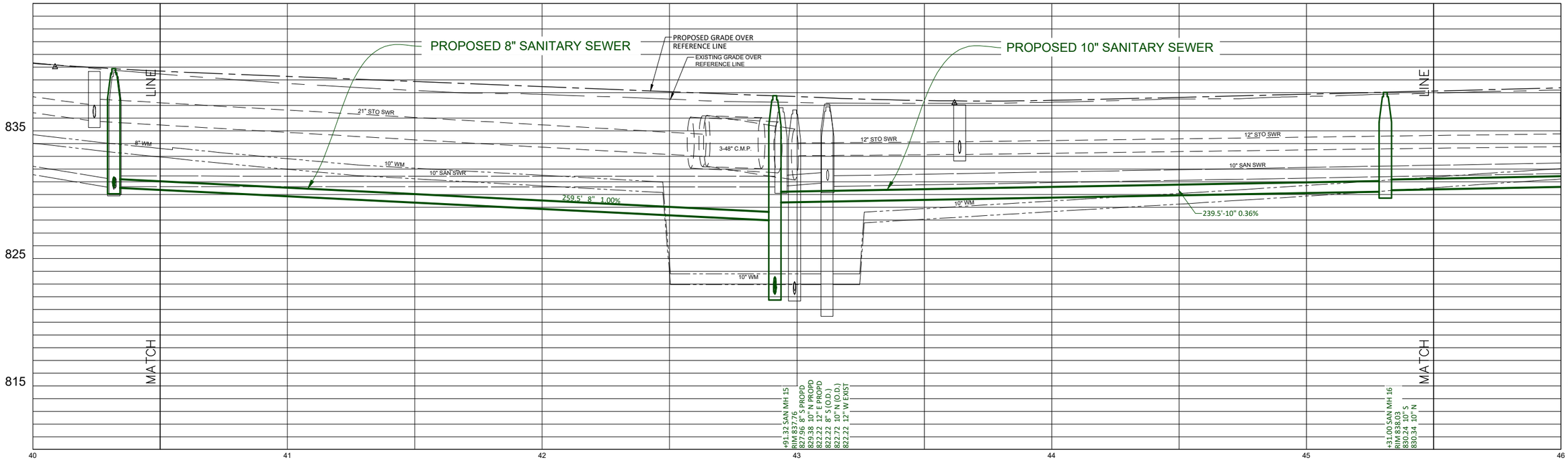
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WISDOT/CADDS SHEET 42

LAYOUT NAME - Layout1





PROJECT NO: 3670-01-72	HWY: STH 89	COUNTY: COLUMBIA	WATER MAIN AND SANITARY SEWER PLAN AND PROFILE	SHEET 14

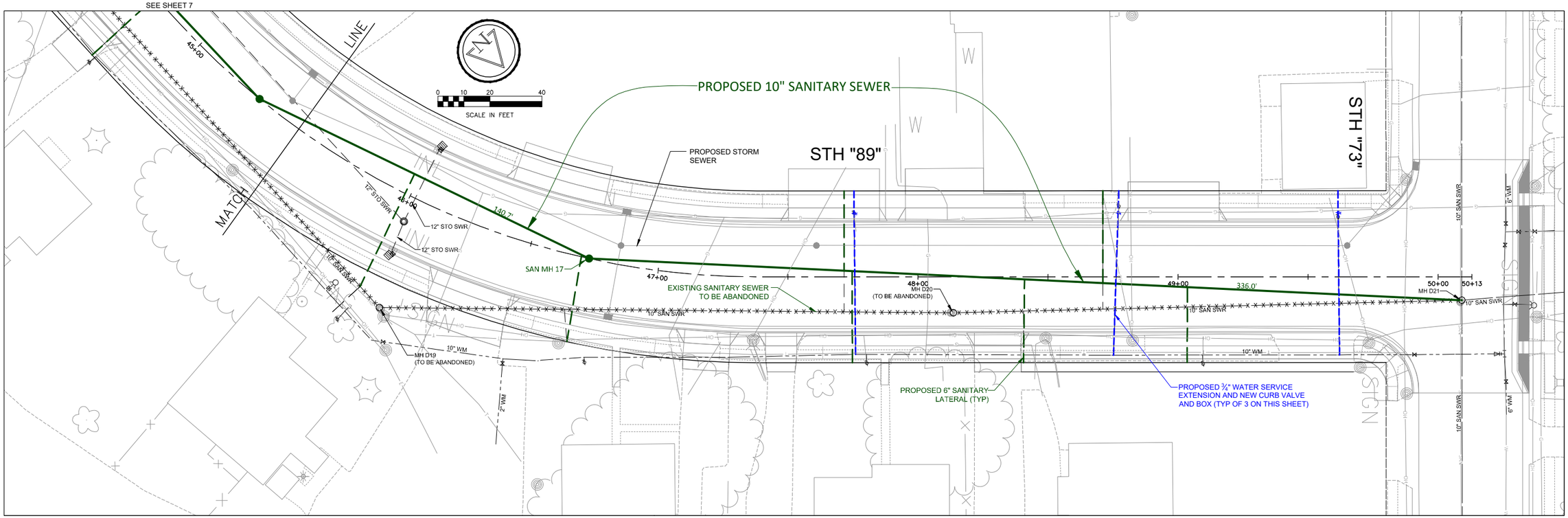
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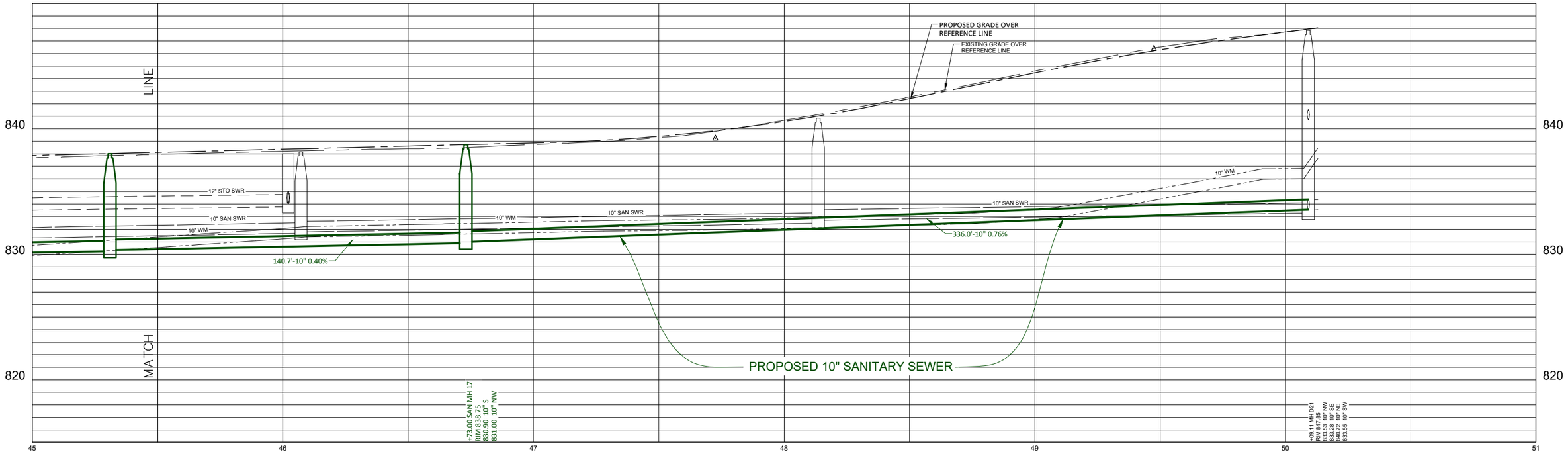
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WISDOT/CADDS SHEET 42

LAYOUT NAME - Layout1





PROJECT NO: 3670-01-72	HWY: STH 89	COUNTY: COLUMBIA	WATER MAIN AND SANITARY SEWER PLAN AND PROFILE	SHEET 15

PRE_65

E

FILE NAME : G:\C3D\8117_COLUMBUS\10044\DWG\Z-008-CPP-STH 89-SW-08.DWG PLOT DATE : 6/12/2019 8:32 AM PLOT BY : KLIEVE, JUSTIN PLOT NAME : PLOT SCALE : 1" = 10'

WISDOT/CADDS SHEET 42

LAYOUT NAME - Layout1

SEE SHEET 2

SEE SHEET 10

SEE SHEET 2

STH "89"

SCALE IN FEET 0 10 20 40

SAN MH 05

SAN MH 06

MH B14 (TO BE REPLACED)

MH B17

WATERLOO LIFT STATION

METER MANHOLE

EXISTING SANITARY SEWER TO BE ABANDONED

EXISTING WATER MAIN TO BE ABANDONED

PROPOSED 8" SANITARY SEWER

PROPOSED 8" WATER MAIN

8" VALVE V-5
45° BEND
TURN DWN
45° BEND
TURN UP

45° BEND
TURN UP
22 1/2° BEND
5.0'
8" x 6" REDUCER
5.0'
6" VALVE V-6
5.0'
CONNECT TO
EXISTING 6" WATER MAIN

WATERLOO STREET

WATERLOO ST

6" WM

10" STO SWR

18" STO SWR

8" SAN SWR

4" FM

APPROXIMATE 4" FORCE MAIN LOCATION

SAWCUT AND MATCH EXISTING (TYP)

LEGEND:

SIDE ROAD PAVEMENT REMOVAL AND OVERLAY

ANT

ANT

LINE

MATCH

LINE

MATCH

+20.16 8" x 8" TEE
INV. 830.66
INV. 830.66
INV. 830.66
+30.16 8" VALVE V-5
INV. 830.66

+50.43 45° BEND
TURN DWN
INV. 830.66
+60.43 45° BEND
TURN UP
INV. 827.00

+97.15 45° BEND
TURN UP
INV. 827.00

+23.05 22 1/2° BEND
INV. 828.84
+28.04 8" x 6" REDUCER
INV. 828.84
+33.04 6" VALVE V-6
INV. 828.84
+38.04 CONNECT TO
EXISTING 6" WATER MAIN

+12.37 SAN MH 05
RIM 838.93
826.65 8" S
828.01 8" N
826.60 8" E

+01.50 SAN MH 06
RIM 834.50
826.35 8" W
826.37 8" N
826.33 8" E

EXISTING GRADE OVER REFERENCE LINE

10.0'-8" 18.35%
5.0'-8" 0.00%
5.0'-6" 0.00%
5.0'-6" 0.00%

20.3' 8" 0.00%
10.0'-8" 36.60%
10.0'-8" 0.00%
36.7' 8" 0.00%
89.1' 8" 0.28%

PROPOSED 8" WATER MAIN

PROPOSED 8" SANITARY SEWER

835
825
815

61 62 63 64 65 66 67

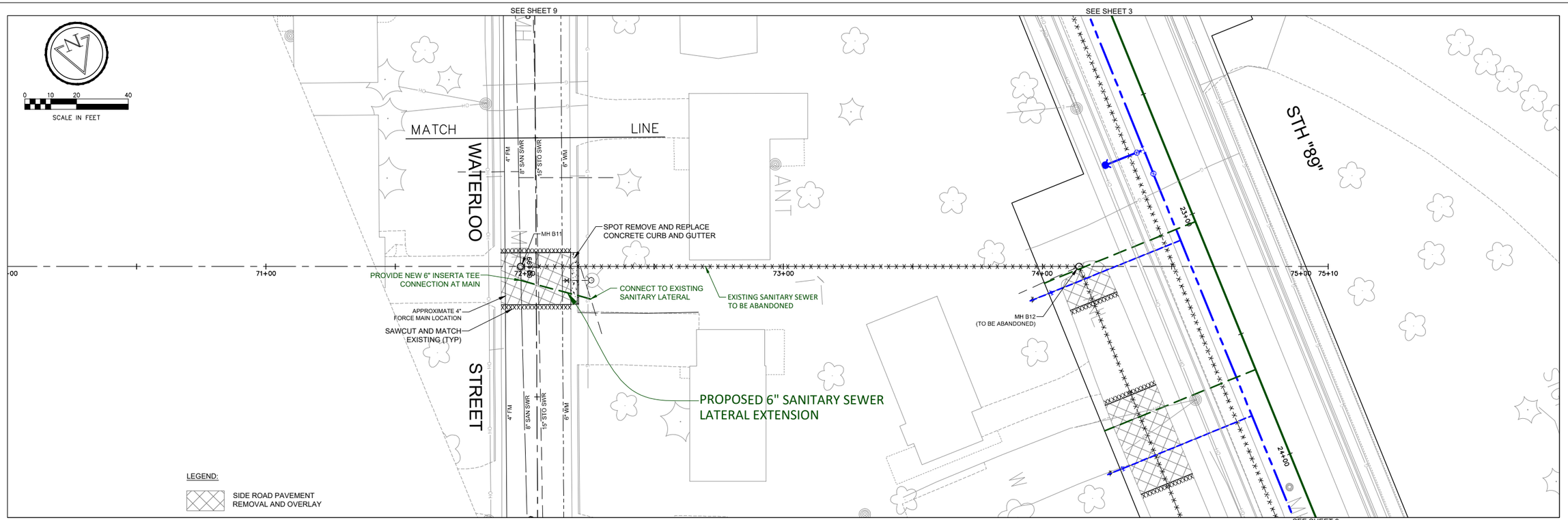
PROJECT NO: 3670-01-72	HWY: STH 89	COUNTY: COLUMBIA	WATER MAIN AND SANITARY SEWER PLAN AND PROFILE	SHEET 16 PRE_66 E

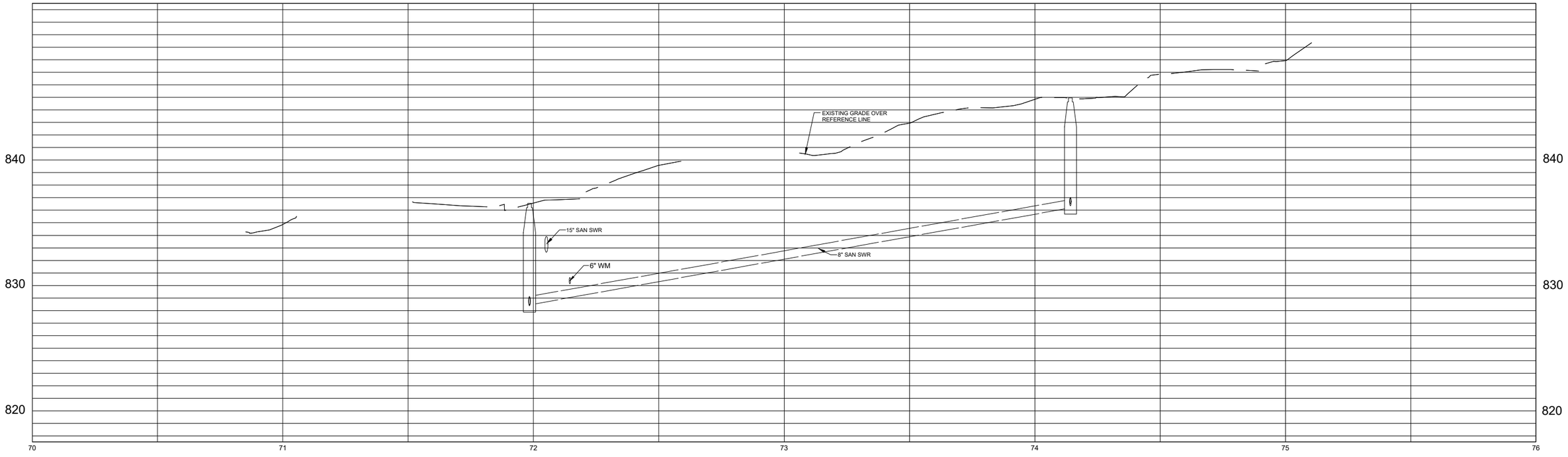
FILE NAME : G:\C3D\8117_COLUMBUS\10044\DWG\Z-009-CPP-WATERLOO STREET-SW-01.DWG PLOT DATE : 6/12/2019 8:32 AM PLOT BY : KLIEVE, JUSTIN PLOT NAME : PLOT SCALE : 1" = 10'

WISDOT/CADDS SHEET 42

LAYOUT NAME - Layout1

2





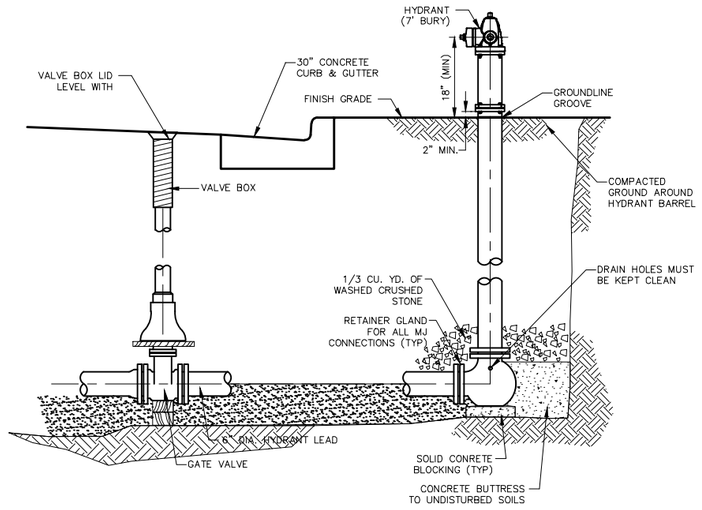
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FILE NAME : G:\C3D\8117_COLUMBUS\10044\DWG\Z-010-CPP-WATERLOO STREET-SW-02.DWG PLOT DATE : 6/12/2019 8:32 AM PLOT BY : KLIEVE, JUSTIN PLOT NAME : PLOT SCALE : 1" = 10'

PRE_67

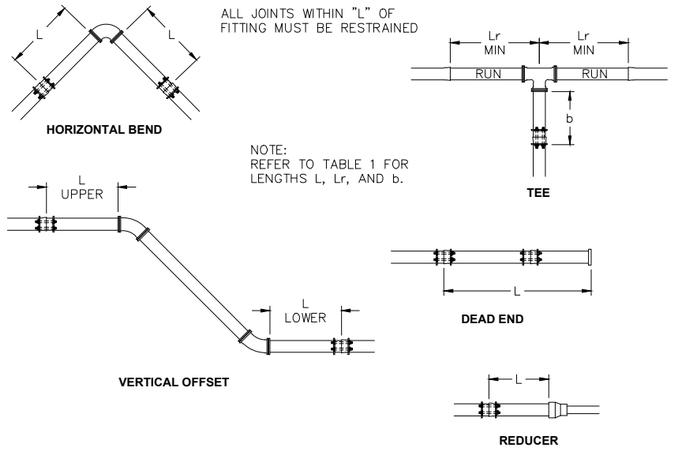
WISDOT/CADDS SHEET 42

LAYOUT NAME - Layout1



NOTE :
REFER TO FILE NO. 38 OF THE "STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN" FOR FURTHER INFORMATION

1/18 **HYDRANT SETTING DETAIL** WT-HYD-04 16 NO SCALE

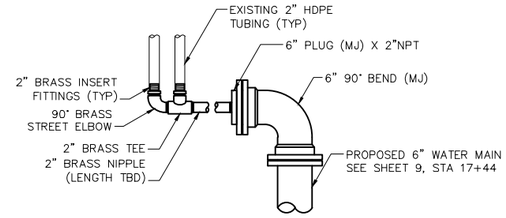


2/18 **JOINT RESTRAINT DETAIL** WT-BR-03 4 NO SCALE

TABLE 1
Retaining Gland Restraint - Minimum Distances
Refer to File No. 47A Standard Specifications for Sewer & Water Construction in Wisconsin

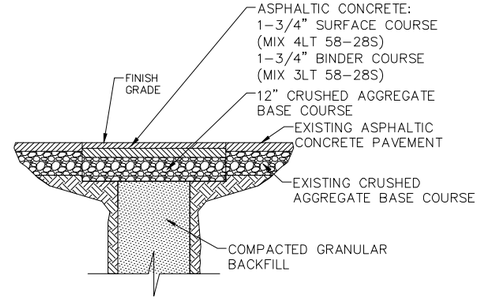
Horizontal Bends			**Joint Restraint Length (L) in Feet**	
Material	**Size**	**Angle (degrees)**	**Length (for each side)**	
DIP	12"	11-1/4	2	
DIP	12"	22-1/2	4	
DIP	12"	45	8	
DIP	10"	11-1/4	2	
DIP	10"	22-1/2	3	
DIP	10"	45	7	
DIP	8"	11-1/4	2	
DIP	8"	22-1/2	3	
DIP	8"	45	6	
DIP	6"	11-1/4	1	
DIP	6"	22-1/2	2	
DIP	6"	45	4	
DIP	12"	90	18	
DIP	10"	90	15	
DIP	8"	90	13	
DIP	6"	90	10	
Dead End			**Joint Restraint Length (L) in Feet**	
Material	**Size**		**Length**	
DIP	12"		32	
DIP	10"		27	
DIP	8"		22	
DIP	6"		17	
Tees & Crosses			**Joint Restraint Length (L) in Feet**	
Material	**Size**	**Main (Lr)**	**Branch (b)**	
DIP	12" x 12"	5	20	
DIP	12" x 10"	5	13	
DIP	12" x 8"	5	5	
DIP	12" x 6"	5	1	
DIP	10" x 10"	5	25	
DIP	10" x 8"	5	8	
DIP	10" x 6"	5	1	
DIP	8" x 8"	5	11	
DIP	8" x 6"	5	2	
DIP	6" x 6"	5	5	
Reducer			**Joint Restraint Length (L) in Feet**	
Material	**Size**		**Length**	
DIP	12" x 10"		10	
DIP	12" x 8"		17	
DIP	12" x 6"		23	
DIP	10" x 8"		9	
DIP	10" x 6"		17	
DIP	8" x 6"		10	
Vertical Offset			**Joint Restraint Length (L) in Feet**	
Material	**Size**	**Angle (degrees)**	**Upper**	**Lower**
DIP	12"	11-1/4	4	3
DIP	12"	22-1/2	7	6
DIP	12"	45	13	13
DIP	10"	11-1/4	3	3
DIP	10"	22-1/2	6	5
DIP	10"	45	11	11
DIP	8"	11-1/4	3	3
DIP	8"	22-1/2	5	5
DIP	8"	45	10	9
DIP	6"	11-1/4	2	2
DIP	6"	22-1/2	4	4
DIP	6"	45	7	7

Notes:
1) All joints within Length "L" of fitting must be restrained.
2) Restraint lengths calculating using EBBA iron restrained length calculator, Version 7.1.2.
3) Assumes: CL soils (Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, lean clays) backfilled width granular material
4) Assumes: Trench Type 3
5) Assumes: Depth of Bury to be 7 feet of cover.
6) Assumes: Test Pressure of 150.

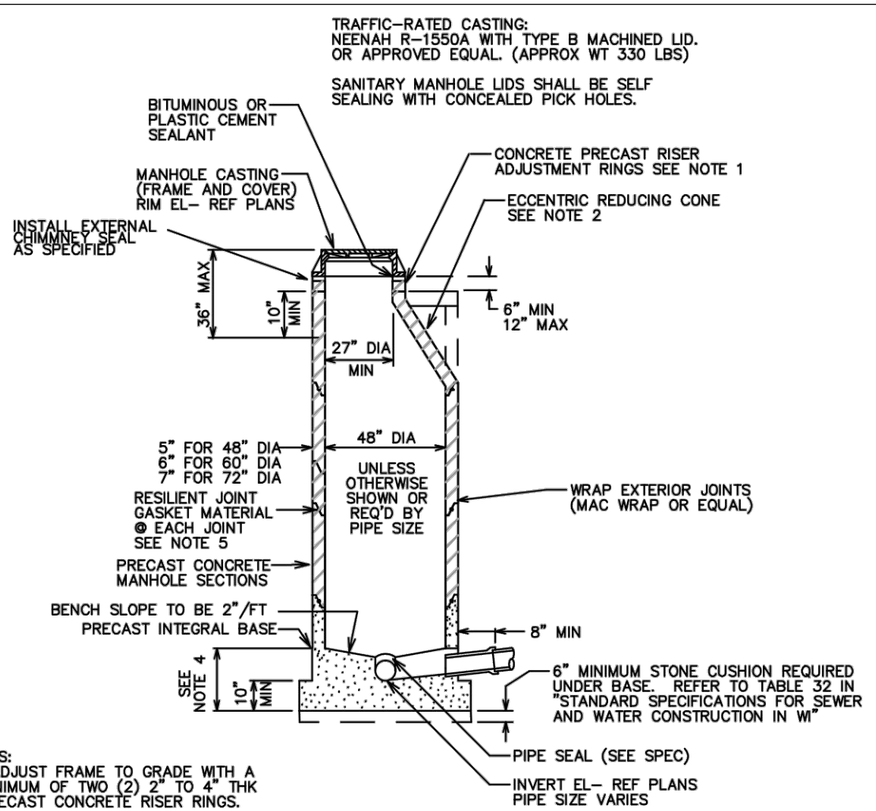


NOTE: FITTINGS SHOWN ARE NOT MEANT TO BE ALL INCLUSIVE. CONTRACTOR SHALL VERIFY AND PROVIDE NECESSARY FITTINGS TO RE-CONNECT THE EXISTING HDPE TUBING TO THE NEW 6" WATER MAIN.

3/18 **SOCCER FIELD IRRIGATION RECONNECTION DETAIL** Soccer Field Irrigation Connection Deatil NO SCALE



4/18 **TYPICAL SIDE ROAD PAVEMENT RESTORATION SECTION** UT-TRENCH-05 24 NO SCALE



NOTES:

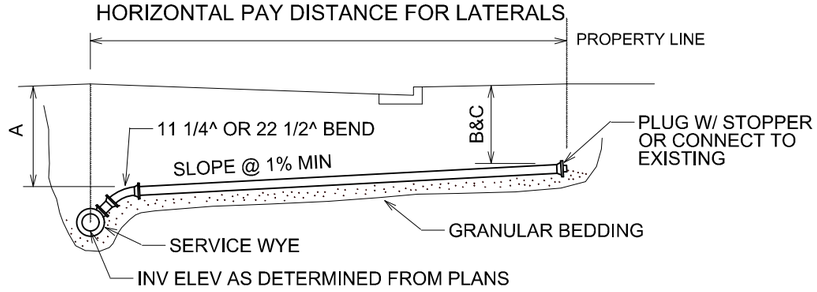
1. ADJUST FRAME TO GRADE WITH A MINIMUM OF TWO (2) 2" TO 4" THK PRECAST CONCRETE RISER RINGS.
2. POSITION HOLE IN CONE OR REDUCING SLAB ON UPSTREAM SIDE OF MANHOLE.
3. TOP CONE SECTION SHALL BE USED ON 48" DIA MANHOLES, UNLESS MINIMUM HEIGHT CONDITIONS REQUIRE A FLAT TOP REDUCING SLAB. REDUCING SLAB MAY BE USED ON MANHOLES 60" IN DIA OR LARGER.
4. CONCRETE FOR CAST–IN–PLACE BASE SECTIONS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI. THE MINIMUM CEMENT CONTENT SHALL BE 5? BAGS PER CUBIC YARD OF CONCRETE. REINFORCING STEEL SHALL MEET THE REQUIREMENTS OF ASTM A615 GRADE 60.
5. JOINTS SHALL BE WATERTIGHT AND SHALL BE MADE USING BUTYL RUBBER GASKETS AND SEALED EXTERNALLY USING MACWRAP OR APPROVED EQUAL.
6. CONCRETE BLOCK OR BRICK MANHOLES NOT ALLOWED

REV. 04/24/2013

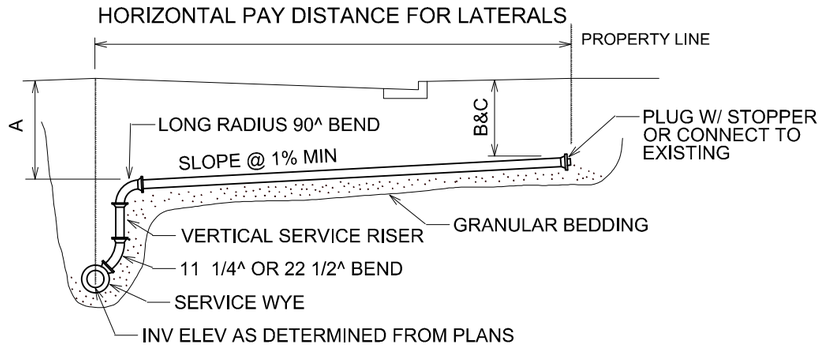
CITY OF COLUMBUS
DEPARTMENT OF PUBLIC WORKS

MANHOLE DETAIL
TYPE 1

STANDARD DETAIL DRAWING



STANDARD INSTALLATION WITHOUT RISER



STANDARD INSTALLATION WITH RISER

NOTES:

A) MIN DEPTH OF COVER UNDER ROADWAY TO BE 7'-0"

B) MIN DEPTH OF COVER UNDER ANY PORTION OF GRASS AREAS TO 5'-0"

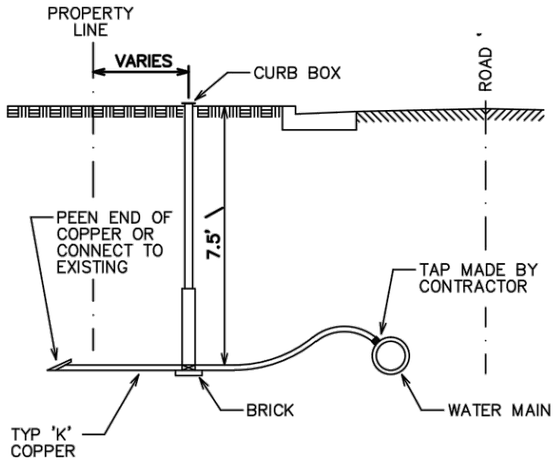
C) MIN DEPTH OF COVER AT PROPERTY LINE TO 9'-0" OR AS REQUIRED TO SERVE EXISTING DEVELOPMENT.

REVISED 04/21/11

CITY OF COLUMBUS
STANDARD DETAILS

FIGURE 1

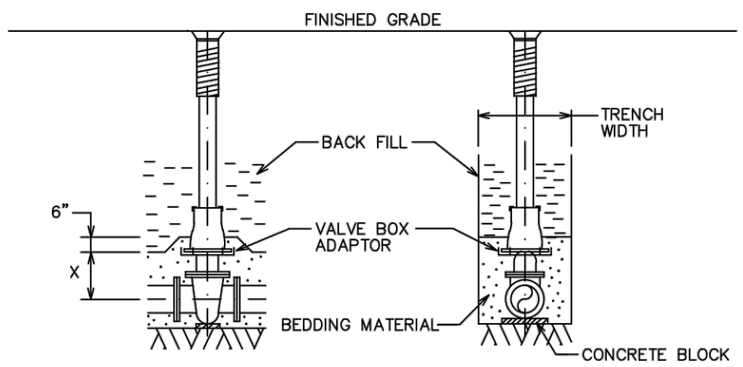
SANITARY SEWER LATERAL



NOTE: TAP WATER MAIN ON 45^ WITH PIPE. MINIMUM SEPARATION BETWEEN SERVICES SHALL BE 12" VERTICAL AND 18" HORIZONTAL.

WATER MAIN SERVICE INSTALLATION

NOT TO SCALE



SIDE VIEW

PIPE DIA (INCHES)	X=SETTING (INCHES)
2	6
3	7
4	8
6	12
8	13

FRONT VIEW

PIPE DIA (INCHES)	X=SETTING (INCHES)
10	17
12	21
14	25
16	30

STANDARD VALVE BOX SETTING

NOT TO SCALE

2

AVALON RD

AVALON ROAD

WEIGHT LIMIT 4 TONS

M1-01

N

2

STH 89/
FARNHAM STREET

3+00'NB' 4+00'NB' 5+00'NB' 6+00'NB' 7+00'NB' 8+00'NB'

NO PARKING ANY TIME

R7-1
18"X24"

M1-02

NO PARKING ANY TIME

R7-1
18"X24"
EXISTING SIGN ON UTILITY POLE

M1-03

SIGN

SIGN

STOP

R1-1
30"X30"

M1-04

SIGN

STOP

R1-1
30"X30"

M1-07

9+00'NB' 10+00'NB' 11+00'NB' 12+00'NB' 13+00'NB' 14+00'NB' 15+

MH

STH 89

NO PARKING ANY TIME

R7-1
18"X24"
EXISTING SIGN ON UTILITY POLE

M1-05

NO PARKING ANY TIME

R7-1
18"X24"
EXISTING SIGN ON UTILITY POLE

M1-06

N

SIGN

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PERMANENT SIGNING - MOVED BY LOCALS	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\023202_PS.DWG
LAYOUT NAME - 023202_ps01

PLOT DATE : 8/12/2019 8:53 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########

PRE_71

WISDOT/CADDS SHEET 44

2

2

WEATHER SIREN

15+00'NB'

16+00'NB'

17+00'NB'

18+00'NB'

19+00'NB'

20+00'NB'

21+00'NB'

MH

SIGN

SIGN

INL

INL

M2-01

R7-1D
18"X24"
EXISTING SIGN ON UTILITY POLE

M2-02
"LOCAL CITY SIGNS" (2)

M2-03

R7-1D
18"X24"

SCHOOL CHAMPIONSHIP SIGN TO REMAIN

WATERLOO ST

FARNHAM ST

M2-04

R5-2
24"X24"

WATERLOO STREET

M2-05

R7-52
18"X24"

M2-06

I55-56
30"X36"

18"X24"

18"X24"

M2-07

R7-52
18"X24"

N

M2-08

R1-1
30"X30"
STOP

M2-09

R5-1
30"X30"
DO NOT ENTER

R6-2L
24"X30"
ONE WAY

M2-9

18"X24"

M2-11

M2-12

R6-2L
24"X30"
ONE WAY

M2-15

R6-2R
24"X30"
ONE WAY

M2-15

N

POST

22+00'NB'

23+00'NB'

24+00'NB'

25+00'NB'

26+00'NB'

27+00'NB'

MH

FRONTAGE ROAD

R7-1D
EXISTING SIGN ON UTILITY POLE

R7-1D
EXISTING SIGN ON UTILITY POLE

R7-53R
18"X24"

M2-10

R7-52R
18"X24"

M2-13

R7-53R
18"X24"

M2-14

FLAG

FLAG

FLAG

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PERMANENT SIGNING - MOVED BY LOCALS	SHEET E

PRE_72

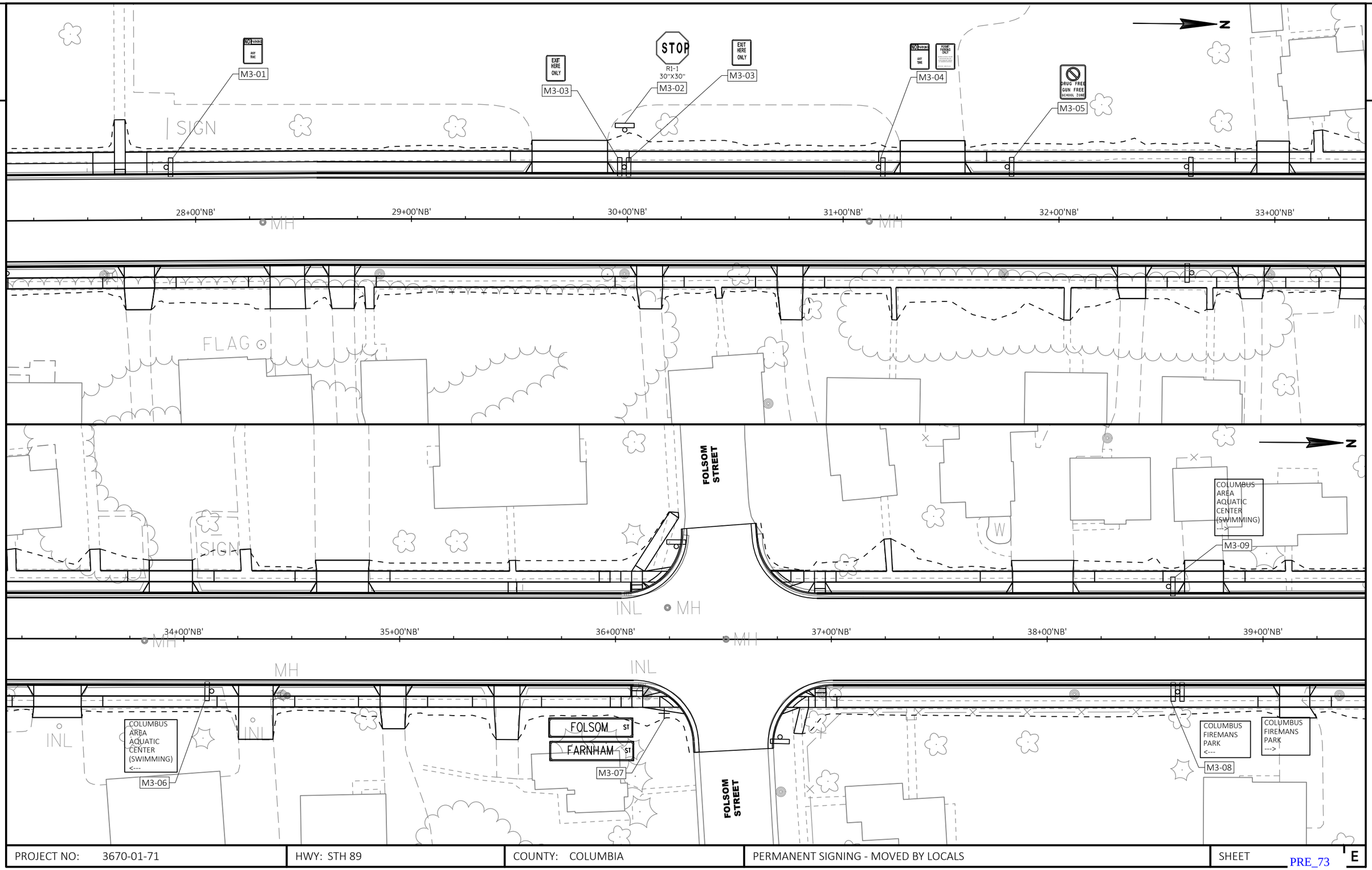
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PLOT DATE : 8/12/2019 8:53 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

2

2



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PERMANENT SIGNING - MOVED BY LOCALS	SHEET E

PRE_73

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\023202_PS.DWG
LAYOUT NAME - 023202_ps03

PLOT DATE : 8/12/2019 8:53 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

2

POET STREET

SIGN

INL

MH

40+00'NB'

41+00'NB'

42+00'NB'

43+00'NB'

44+00'NB'

45+00'NB'

INL

MH

INL

MH

MH

INL

E POET ST

MAIN ST

M4-01

POET STREET

ANT

45+00'NB'

46+00'NB'

47+00'NB'

48+00'NB'

49+00'NB'

50+00'NB'

W

W

N

STH 73/ PARK AVENUE

INL

MH

INL

MH

FLAG

SIGN

MH

SIGN

SIGN

MH

STH 73/ PARK AVENUE

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PERMANENT SIGNING - MOVED BY LOCALS	SHEET E

PRE_74

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\023202_PS.DWG
LAYOUT NAME - 023202_ps04

PLOT DATE : 8/12/2019 8:53 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########

2

1-02
STOP
R1-1
30"X30"
REMOVE &
REPLACE

AVALON
ROAD

1-04
SPEED
LIMIT
25
R2-1
24"X30"
REMOVE &
REPLACE

1-05
END
SCHOOL
ZONE
S5-2
24"X30"
REMOVE &
REPLACE

1-06
SOUTH
89
M3-3
18" X 24"
MI-6
24"X24"
REMOVE &
REPLACE

N

2

STH 89/
FARNHAM STREET

3+00'NB' 4+00'NB' 5+00'NB' 6+00'NB' 7+00'NB' 8+00'NB'

1-01
AHEAD
FINES
HIGHER
S1-1
36"X36"
S16-9P
24"X12"
R2-6P
24"X18"
REMOVE &
REPLACE

1-03
SCHOOL
SPEED
LIMIT
15
WHEN
CHILDREN
ARE PRESENT
S4-51
24"X48"
REMOVE &
REPLACE

SIGN

SIGN

SIGN

SIGN

9+00'NB' 10+00'NB' 11+00'NB' 12+00'NB' 13+00'NB' 14+00'NB' 15+

MH

STH 89

N

SIGN

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PERMANENT SIGNING	SHEET E

PRE_75

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\023203_PS.DWG
LAYOUT NAME - 023203_ps01

PLOT DATE : 8/12/2019 8:52 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

2-01
SCHOOL SPEED LIMIT 15 WHEN CHILDREN ARE PRESENT
S4-51
24"X48"
REMOVE & REPLACE

REMOVE & REPLACE
S1-1
36"X36"
S16-9P
24"X12"
R2-6P
24"X18"
AHEAD
FINES HIGHER
2-03

SPEED LIMIT 25
R2-1
24"X30"
REMOVE & REPLACE
2-06

SCHOOL SPEED LIMIT 15 WHEN CHILDREN ARE PRESENT
S4-51
24"X48"
REMOVE & REPLACE
2-08

WEATHER SIREN

15+00'NB'
16+00'NB'
17+00'NB'
18+00'NB'
19+00'NB'
20+00'NB'
21+00'NB'

MH

18"X24"
18"X24"

COLUMBUS
POPULATION 4991?
I2-3
66"X24"
2-02
REMOVE & REPLACE

SIGN

2-04
S1-1
36"X36"
S16-9P
24"X12"
R2-6P
24"X18"
AHEAD
FINES HIGHER
REMOVE & REPLACE

/ SIGN

REMOVE & REPLACE
SPEED LIMIT 25
R2-1
24"X30"
2-05

REMOVE & REPLACE
STOP
R1-1
30"X30"
2-07

INL

WATERLOO STREET

N

REMOVE & REPLACE
SPEED LIMIT 25
R2-1
24"X30"
2-12

POST

22+00'NB'
23+00'NB'
24+00'NB'
25+00'NB'
26+00'NB'
27+00'NB'

MH

2-09
NORTH 89
J4-1
24"X36"
REMOVE & REPLACE

SCHOOL SPEED LIMIT 15 WHEN CHILDREN ARE PRESENT
S4-51
24"X48"
2-10
REMOVE & REPLACE

INL

R2-1
24"X30"
SPEED LIMIT 25
2-11
REMOVE & REPLACE

FRONTAGE ROAD

MH

STOP
R1-1
30"X30"
2-13
REMOVE & REPLACE

NO PARKING BETWEEN SIGNS
R7-52R
18"X24"
2-14
REMOVE & REPLACE

FLAG
FLAG
FLAG

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PERMANENT SIGNING	SHEET E

PRE_76

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\023203_PS.DWG
LAYOUT NAME - 023203_ps02
PLOT DATE : 8/12/2019 8:52 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

2

2

SIGN

REMOVE & REPLACE
SPEED LIMIT 25
R2-1
24"X30"
3-01

REMOVE & REPLACE
SCHOOL
SPEED LIMIT 15
WHEN CHILDREN ARE PRESENT
S4-51
24"X48"
3-03

28+00'NB' 29+00'NB' 30+00'NB' 31+00'NB' 32+00'NB' 33+00'NB'

MH MH

FLAG

R2-1
24"X30"
SPEED LIMIT 25
S5-2
24"X30"
END SCHOOL ZONE
3-02

SPEED LIMIT 25
REMOVE EXISTING SIGN ON UTILITY POLE

REMOVE & REPLACE
STOP
R1-1
30"X30"
3-04

FOLSOM STREET

SIGN

INL MH

34+00'NB' 35+00'NB' 36+00'NB' 37+00'NB' 38+00'NB' 39+00'NB'

MH MH

MH INL

INL INL

REMOVE & REPLACE
STOP
R1-1
30"X30"
3-05

FOLSOM STREET

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PERMANENT SIGNING	SHEET E

PRE_77

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\023203_PS.DWG
LAYOUT NAME - 023203_ps03

PLOT DATE : 8/12/2019 8:52 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

2

2

STOP
R1-1
30"X30"
4-01
REMOVE &
REPLACE

POET
STREET

SPEED
LIMIT
25
R2-1
24"X30"
4-03
REMOVE &
REPLACE

SIGN

N

INL
MH
40+00'NB'
41+00'NB'
42+00'NB'
43+00'NB'
44+00'NB'
45+00'NB'

REMOVE &
REPLACE
STOP
R1-1
30"X30"
4-02

4-04
END JCT
89 73
J1-2
48"X39"
REMOVE &
REPLACE

POET
STREET

ANT

45+00'NB'
46+00'NB'
47+00'NB'
48+00'NB'
49+00'NB'
50+00'NB'

W

REMOVE &
REPLACE
SOUTH NORTH BUSINESS TO
73 73 151 16
J3-4
96"X57"
4-08

STH 73/
PARK AVENUE

4-05
SOUTH
89
REMOVE &
REPLACE

FLAG POLE

SIGN

REMOVE &
REPLACE

REMOVE &
REPLACE
4-06
STOP
R1-1
36"X36"

4-07
SOUTH
89
REMOVE &
REPLACE

STH 73/
PARK AVENUE

4-09
SOUTH
89

S1-1
REMOVE &
REPLACE

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PERMANENT SIGNING	SHEET E

PRE_78

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\023203_PS.DWG
LAYOUT NAME - 023203_ps04

PLOT DATE : 8/12/2019 8:52 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

2

2

AVALON ROAD

STH 89

TLE

ERW

3+61, 23.25' LT
LED A 5(T) 4 ANB1

4+55, 23.00' LT
LED A 5(T) 4 BNB2

5+57, 23.00' LT
LED A 5(T) 4 ANB3

6+59, 23.00' LT
LED A 5(T) 4 BNB4

7+61, 23.00' LT
LED A 5(T) 4 ANB5

3'NB' 4'NB' 5'NB' 6'NB' 7'NB' 8'NB'

CAUTION

LIGHTING PLAN LEGEND

- DISTRIBUTION CENTER
- CONDUIT
- CID (CABLE IN DUCT)
- LIGHT POLE, ARM MOUNTED LUMINAIRE

STATION—OFFSET
100+00.00, 100.00' RT
LED B A(T) 4 ANS1

- CIRCUIT, SOURCE, POLE #
- ARM LENGTH
- POLE TYPE ON T-BASE
- LUMINAIRE CATEGORY
- LUMINAIRE SOURCE

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	LIGHTING PLAN - LAYOUTS	SHEET E

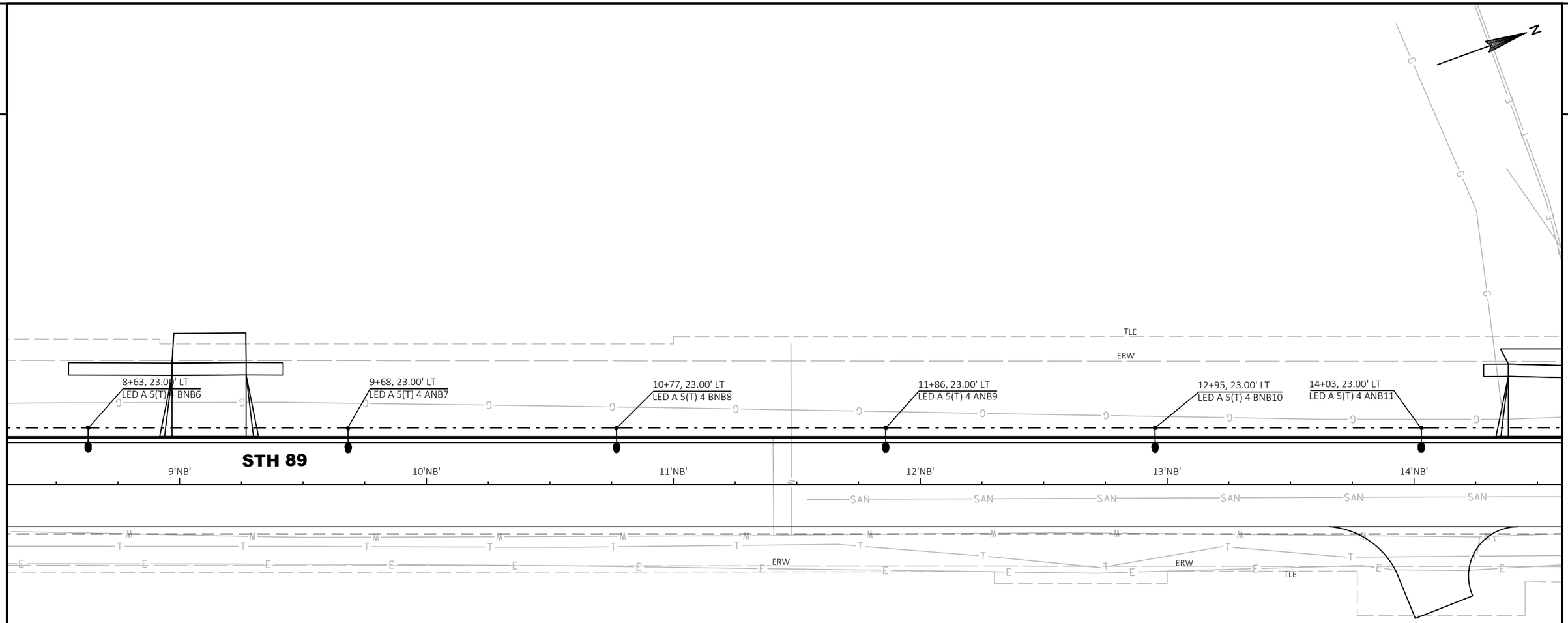
PRE_79

FILE NAME : P:\49XX\4930.DP.STH89.COL\CADDS\36700101\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - 023601_lp01

PLOT DATE : 6/14/2019 11:15 AM PLOT BY : CHRIS DRY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



LIGHTING PLAN LEGEND

- DISTRIBUTION CENTER
- CONDUIT
- CID (CABLE IN DUCT)
- LIGHT POLE, ARM MOUNTED LUMINAIRE

STATION — OFFSET
100+00.00, 100.00' RT
LED B A(T) 4 ANS1

- CIRCUIT, SOURCE, POLE #
- ARM LENGTH
- POLE TYPE ON T-BASE
- LUMINAIRE CATEGORY
- LUMINAIRE SOURCE

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	LIGHTING PLAN - LAYOUTS	SHEET E

PRE_80

FILE NAME : P:\49XX\4930.DP.STH89.COL\CADDS\36700101\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - 023601_lp02

PLOT DATE : 6/14/2019 11:15 AM PLOT BY : CHRIS DRY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

15+14, 23.00' LT
LED A 5(T) 4 BNB12

16+11, 23.00' LT
LED A 5(T) 4 ANB13

17+08, 23.00' LT
LED A 5(T) 4 BNB14

18+03, 24.34' LT
LED A 5(T) 4 ANB15

18+97, 24.00' LT
LED A 5(T) 4 BNB16

19+98, 24.00' LT
LED A 5(T) 4 ANB17

15'NB'
16'NB'
17'NB'
18'NB'
19'NB'
20'NB'

STH 89

WATERLOO STREET

TLE
ERW
RW
SAN
E
T
M
G

LIGHTING PLAN LEGEND

- DISTRIBUTION CENTER
- CONDUIT
- CID (CABLE IN DUCT)
- LIGHT POLE, ARM MOUNTED LUMINAIRE

STATION — OFFSET
100+00.00, 100.00' RT
LED B A(T) 4 ANS1
- CIRCUIT, SOURCE, POLE #
- ARM LENGTH
- POLE TYPE ON T-BASE
- LUMINAIRE CATEGORY
- LUMINAIRE SOURCE

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	LIGHTING PLAN - LAYOUTS	SHEET E

PRE_81

FILE NAME : P:\49XX\4930.DP.STH89.COL\CADDS\36700101\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - 023601_lp03

PLOT DATE : 6/14/2019 11:15 AM PLOT BY : CHRIS DRY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

20+99, 24.00' LT
LED A 5(T) 4 BNB18

22+00, 24.00' LT
LED A 5(T) 4 ANB19

23+01, 24.00' LT
LED A 5(T) 4 BNB20

24+02, 24.00' LT
LED A 5(T) 4 ANB21

25+03, 24.00' LT
LED A 5(T) 4 BNB22

26+04, 24.00' LT
LED A 5(T) 4 ANB23

26+87, 24.00' LT
LED A 5(T) 4 BNB24

TLE

ERW

STH 89

21'NB' 22'NB' 23'NB' 24'NB' 25'NB' 26'NB' 27'NB'

SAN SAN SAN

M M M M M W W W W W W W

E E E

TLE

SAN SAN SAN SAN SAN SAN

ERW

FRONTAGE ROAD

TLE

SAN

SAN

SAN

G

LIGHTING PLAN LEGEND

- DISTRIBUTION CENTER
- CONDUIT
- CID (CABLE IN DUCT)
- LIGHT POLE, ARM MOUNTED LUMINAIRE

STATION — OFFSET
100+00.00, 100.00' RT
LED B A(T) 4 ANS1

- CIRCUIT, SOURCE, POLE #
- ARM LENGTH
- POLE TYPE ON T-BASE
- LUMINAIRE CATEGORY
- LUMINAIRE SOURCE

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	LIGHTING PLAN - LAYOUTS	SHEET E

PRE_82

FILE NAME : P:\49XX\4930.DP.STH89.COL\CADDS\36700101\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - 023601_lp04

PLOT DATE : 6/14/2019 11:15 AM PLOT BY : CHRIS DRY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

27+57, 24.60' LT
DISTRIBUTION CENTER NB

27+91, 24.00' LT
LED A 5(T) 4 CNB25

28+92, 24.00' LT
LED A 5(T) 4 DNB26

29+95, 24.00' LT
LED A 5(T) 4 CNB27

30+90, 24.00' LT
LED A 5(T) 4 DNB28

31+85, 24.00' LT
LED A 5(T) 4 CNB29

32+79, 24.00' LT
LED A 5(T) 4 DNB30

TLE

ERW

STH 89

28'NB' 29'NB' 30'NB' 31'NB' 32'NB' 33'NB'

TLE

ERW

LIGHTING PLAN LEGEND

- DISTRIBUTION CENTER
- CONDUIT
- CID (CABLE IN DUCT)
- LIGHT POLE, ARM MOUNTED LUMINAIRE

STATION — OFFSET
100+00.00, 100.00' RT
LED B A(T) 4 ANS1
- CIRCUIT, SOURCE, POLE #
- ARM LENGTH
- POLE TYPE ON T-BASE
- LUMINAIRE CATEGORY
- LUMINAIRE SOURCE

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	LIGHTING PLAN - LAYOUTS	SHEET E

PRE_83

FILE NAME : P:\49XX\4930.DP.STH89.COL\CADDS\36700101\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - 023601_lp05

PLOT DATE : 6/14/2019 11:16 AM PLOT BY : CHRIS DRY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

FOLSOM STREET

STH 89

FOLSOM STREET

33+81, 24.00' LT
LED A 5(T) 4 CNB31

34+89, 24.00' LT
LED A 5(T) 4 DNB32

35+95, 24.00' LT
LED A 5(T) 4 CNB33

36+86, 25.08' LT
LED A 5(T) 4 DNB34

37+76, 24.00' LT
LED A 5(T) 4 CNB35

38+86, 24.00' LT
LED A 5(T) 4 DNB36

39+76, 24.00' LT
LED A 5(T) 4 CNB37

34'NB'

35'NB'

36'NB'

37'NB'

38'NB'

39'NB'

TLE

ERW

RW

SAN

W

G

T

E

TV

C

M

NWS

F0

LIGHTING PLAN LEGEND

DISTRIBUTION CENTER

CONDUIT

CID (CABLE IN DUCT)

LIGHT POLE, ARM MOUNTED LUMINAIRE

STATION — OFFSET
100+00.00, 100.00' RT
LED B A(T) 4 ANS1
CIRCUIT, SOURCE, POLE #
ARM LENGTH
POLE TYPE ON T-BASE
LUMINAIRE CATEGORY
LUMINAIRE SOURCE

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	LIGHTING PLAN - LAYOUTS	SHEET E

PRE_84

FILE NAME : P:\49XX\4930.DP.STH89.COL\CADDS\36700101\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - 023601_lp06

PLOT DATE : 6/14/2019 11:16 AM PLOT BY : CHRIS DRY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

POET STREET

40+64, 24.75' LT
LED A 5(T) 4 DNB38

41+46, 24.00' LT
LED A 5(T) 4 CNB39

42+44, 24.00' LT
LED A 5(T) 4 DNB40

43+41, 24.00' LT
LED A 5(T) 4 CNB41

44+26, 24.00' LT
LED A 5(T) 4 DNB42

45+22, 24.00' LT
LED A 5(T) 4 CNB43

40'NB' 41'NB' 42'NB' 43'NB' 44'NB' 45'NB' 46'NB'

STH 89

POET STREET

LIGHTING PLAN LEGEND

- DISTRIBUTION CENTER
- CONDUIT
- CID (CABLE IN DUCT)
- LIGHT POLE, ARM MOUNTED LUMINAIRE

STATION—OFFSET
100+00.00, 100.00' RT
LED B A(T) 4 ANS1

- CIRCUIT, SOURCE, POLE #
- ARM LENGTH
- POLE TYPE ON T-BASE
- LUMINAIRE CATEGORY
- LUMINAIRE SOURCE

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	LIGHTING PLAN - LAYOUTS	SHEET E

PRE_85

FILE NAME : P:\49XX\4930.DP.STH89.COL\CADDS\36700101\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - 023601_lp07
PLOT DATE : 6/14/2019 11:16 AM
PLOT BY : CHRIS DRY
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

STH 73/PARK AVE

69+00'EB'

70+00'EB'

71+00'EB'

72+00'EB'

STH 89

45'NB'

46'NB'

47'NB'

48'NB'

49'NB'

50'NB'

46+17, 24.00' LT
LED A 5(T) 4 DNB44

47+08, 24.00' LT
LED A 5(T) 4 CNB45

47+90, 24.00' LT
LED A 5(T) 4 DNB46

49+67, 24.22' RT
LED A 5(T) 4 DNB48

48+81, 24.00' RT
LED A 5(T) 4 CNB47

LIGHTING PLAN LEGEND

- DISTRIBUTION CENTER
- CONDUIT
- CID (CABLE IN DUCT)
- LIGHT POLE, ARM MOUNTED LUMINAIRE

STATION—OFFSET
100+00.00, 100.00' RT
LED B A(T) 4 ANS1

- CIRCUIT, SOURCE, POLE #
- ARM LENGTH
- POLE TYPE ON T-BASE
- LUMINAIRE CATEGORY
- LUMINAIRE SOURCE

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	LIGHTING PLAN - LAYOUTS	SHEET E

PRE_86

FILE NAME : P:\49XX\4930.DP.STH89.COL\CADDS\36700101\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - 023601_lp08

PLOT DATE : 6/14/2019 11:16 AM PLOT BY : CHRIS DRY PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

AVALON ROAD

MARKING STOP LINE
EPOXY 18-INCH, WHITE

MARKING LINE
EPOXY 4-INCH, WHITE
STA 2+93.03'NB' - STA 3+63.72'NB'

MARKING LINE
EPOXY 4-INCH, DOUBLE YELLOW
STA 2+93.03'NB' - STA 19+04.60'NB'

MARKING LINE
EPOXY 4-INCH, WHITE
STA 4+59.54'NB' - STA 18+15.43'NB'

3+00'NB' 4+00'NB' 5+00'NB' 6+00'NB' 7+00'NB' 8+00'NB'

MARKING LINE
EPOXY 4-INCH, WHITE
STA 2+93.03'NB' - STA 18+15.43'NB'

SIGN

SIGN

MARKING LINE
EPOXY 4-INCH, WHITE
STA 4+59.54'NB' - STA 18+15.43'NB'

SIGN

MARKING LINE
EPOXY 4-INCH, DOUBLE YELLOW
STA 2+93.03'NB' - STA 19+04.60'NB'

9+00'NB' 10+00'NB' 11+00'NB' 12+00'NB' 13+00'NB' 14+00'NB' 15+0

MH

STH 89

MARKING LINE
EPOXY 4-INCH, WHITE
STA 2+93.03'NB' - STA 18+15.43'NB'

SIGN

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PAVEMENT MARKING	SHEET E

PRE_87

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\024501_PM.DWG
LAYOUT NAME - 024501_pm01

PLOT DATE : 8/2/2019 10:19 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########

2

2

MARKING LINE
EPOXY 4-INCH, DOUBLE YELLOW
STA 2+93.03'NB' - STA 19+04.60'NB'

MARKING LINE
EPOXY 4-INCH, WHITE
STA 4+59.54'NB' - STA 18+15.43'NB'

MARKING CURB EPOXY
STA 18+89.87'NB' - STA 19+25.00'NB'

MARKING CROSSWALK
EPOXY TRANSVERSE LINE 6-INCH, WHITE

N

WEATHER SIREN

15+00'NB'

MH

16+00'NB'

17+00'NB'

18+00'NB'

19+00'NB'

20+00'NB'

21+00'NB'

SIGN

SIGN

MARKING LINE
EPOXY 4-INCH, WHITE
STA 2+93.03'NB' - STA 18+15.43'NB'

MARKING STOP LINE
EPOXY 18-INCH, WHITE

INL

MARKING LINE
EPOXY 4-INCH, DOUBLE YELLOW
STA 19+10.60'NB' - STA 36+06.97'NB'

MARKING CURB EPOXY
STA 19+09.86'NB' - STA 19+25.60'NB'

WATERLOO STREET

MH

INL

N

POST

0'NB'

22+00'NB'

23+00'NB'

24+00'NB'

25+00'NB'

26+00'NB'

27+00'NB'

MH

MARKING CURB EPOXY
STA 26+79.43'NB' - STA 26+90.89'NB'

MARKING LINE
EPOXY 4-INCH, DOUBLE YELLOW
STA 19+10.60'NB' - STA 36+06.97'NB'

FRONTAGE ROAD

MARKING CURB EPOXY
STA 26+09.47'NB - STA 26+29.47'NB

MH

INL

MARKING CROSSWALK
EPOXY TRANSVERSE LINE 6-INCH, WHITE

MARKING STOP LINE
EPOXY 18-INCH, WHITE

FLAG

FLAG

FLAG

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PAVEMENT MARKING	SHEET E

PRE_88

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\024501_PM.DWG
LAYOUT NAME - 024501_pm02

PLOT DATE : 8/2/2019 10:19 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########

2

2

MARKING LINE
EPOXY 4-INCH, DOUBLE YELLOW
STA 19+10.60'NB' - STA 36+06.97'NB'

SIGN

28+00'NB'

MH

29+00'NB'

30+00'NB'

31+00'NB'

MH

32+00'NB'

33+00'NB'

FLAG

N

FOLSOM STREET

MARKING LINE
EPOXY 4-INCH, DOUBLE YELLOW
STA 19+10.60'NB' - STA 36+06.97'NB'

MARKING CROSSWALK
EPOXY TRANSVERSE LINE 6-INCH, WHITE

MARKING CROSSWALK
EPOXY TRANSVERSE LINE 6-INCH, WHITE

MARKING CURB EPOXY
STA 35+82.94'NB' - STA 36+02.94'NB'

MARKING STOP LINE
EPOXY 18-INCH, WHITE

MARKING CURB EPOXY
STA 36+97.26'NB' - STA 37+13.00'NB'

SIGN

INL

MH

34+00'NB'

35+00'NB'

36+00'NB'

37+00'NB'

38+00'NB'

39+00'NB'

MH

MH

MH

INL

INL

INL

MARKING CURB EPOXY
STA 35+91.97'NB' - STA 36+07.61'NB'

MARKING CURB EPOXY
STA 37+00.67'NB' - STA 37+20.67'NB'

MARKING LINE
EPOXY 4-INCH, DOUBLE YELLOW
STA 36+98.00'NB' - STA 39+92.24'NB'

MARKING CROSSWALK
EPOXY TRANSVERSE LINE 6-INCH, WHITE

MARKING STOP LINE
EPOXY 18-INCH, WHITE

FOLSOM STREET

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PAVEMENT MARKING	SHEET E

PRE_89

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\024501_PM.DWG
LAYOUT NAME - 024501_pm03

PLOT DATE : 8/2/2019 10:19 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

2

2

MARKING CROSSWALK
EPOXY TRANSVERSE LINE 6-INCH, WHITE

MARKING CURB EPOXY
STA 39+69.36'NB' - STA 39+89.36'NB'

POET STREET

MARKING STOP LINE
EPOXY 18-INCH, WHITE

MARKING CURB EPOXY
STA 40+72.70'NB' - STA 40+87.92'NB'

MARKING LINE
EPOXY 4-INCH, DOUBLE YELLOW
STA 40+72.91'NB' - STA 49+68.83'NB'

SIGN

N

INL
MH
40+00'NB'
41+00'NB'
42+00'NB'
43+00'NB'
44+00'NB'
45+00'NB'

MARKING CURB EPOXY
STA 43+80.00'NB' - STA 49+67.45'NB'

MARKING CURB EPOXY
STA 39+69.01'NB' - STA 39+89.01'NB'

MARKING CURB EPOXY
STA 40+80.79'NB' - STA 41+00.79'NB'

MARKING CROSSWALK
EPOXY TRANSVERSE LINE 6-INCH, WHITE

MARKING STOP LINE
EPOXY 18-INCH, WHITE

POET STREET

ANT

45+00'NB'

MARKING LINE
EPOXY 4-INCH, DOUBLE YELLOW
STA 40+72.91'NB' - STA 49+68.83'NB'

MARKING CURB EPOXY
STA 43+80.00'NB' - STA 49+67.45'NB'

W

MARKING CURB EPOXY
STA 59+47.83'EB' -STA 70+44.58'EB'

STH 73/
PARK AVE

MARKING CROSSWALK
EPOXY TRANSVERSE LINE 6-INCH, WHITE

46+00'NB'
47+00'NB'
48+00'NB'
49+00'NB'
50+00'NB'

FLAG
SIGN

MARKING STOP LINE
EPOXY 18-INCH, WHITE

MARKING CROSSWALK
EPOXY TRANSVERSE LINE 6-INCH, WHITE

STH 73/
PARK AVE

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PAVEMENT MARKING	SHEET E

PRE_90

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\024501_PM.DWG
LAYOUT NAME - 024501_pm04

PLOT DATE : 8/2/2019 10:19 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

TRAFFIC CONTROL STAGING

STAGE 1
STA 30+25 - 49+75 (CLOSED TO THRU TRAFFIC)
STA 42+50 - 43+25 (CLOSED TO ALL TRAFFIC)
STH 73 RT SHOULDER CLOSED
POET ST CLOSED TO THRU TRAFFIC
FOLSOM ST CLOSED TO THRU TRAFFIC
PEDESTRIANS ON DETOUR ROUTE
STH 89 TRAFFIC DETOUR STH 73 TO MARSHALL

STAGE 1A (2 WEEKS)
STA 30+25 - 49+75 (CLOSED TO THRU TRAFFIC)
STA 49+75 AND STH 73 CLOSED TO ALL TRAFFIC
POET & FOLSOM CLOSED TO THRU TRAFFIC
PEDS WILL REMAIN ON THE DETOUR ROUTE
STH 89 TRAFFIC ON DETOUR TO STH 73 IN MARSHALL
STH 73 TRAFFIC ON DETOUR TO USH 151
STH 73 PEDESTRIANS FLOP BACK & FORTH DURING
SIDEWALK CONSTRUCTION

WORK TO BE DONE IN STAGE 1A:
FINISH SANITARY, WATER, & STORM IN INTERSECTION
PAVEMENT REMOVAL, REPLACEMENT OF ROCK, BUILD CURB RAMPS,
CURB BUMP OUT, AND THEN PAVE STH 73 INTERSECTION.

TRAFFIC CONTROL STAGING (CONTINUED)

STAGE 2 (ONCE SCHOOL IS OUT FOR SUMMER)
STA 2+75 - STA 50+00 CLOSED TO THRU TRAFFIC
AVALON, WATERLOO, FOLSOM, & POET CLOSED TO THRU TRAFFIC
STH 73 RT SHOULDER CLOSED
PEDESTRIANS ON WEST SIDEWALK(EAST SIDEWALK CLOSED)
STH 89 TRAFFIC ON STH 73 DETOUR TO MARSHALL

WORK TO BE DONE
FINISH SANITARY, WATER, STORM, CULVERTS, REMOVE PAVEMENT,
REPLACE BAD, POUR CURB & GUTTER, CONSTRUCT EAST SIDEWALK,
EAST DRIVEWAYS, EAST CURB RAMPS, AND RESTORE EAST SIDE.
FINISH RESTORING DITCH ON WEST SIDE.

STAGE 2A
TRAFFIC CONTROL SAME AS STAGE 2
PEDESTRIANS ON EAST SIDEWALK (WEST IS CLOSED)
PEDESTRIANS ON TEMPORARY FROM ST JEROMES TO WATERLOO STREET

WORK TO BE DONE IN STAGE 1A:
CONSTRUCT WEST SIDEWALK, WEST DRIVEWAYS, WEST CURB
RAMPS, PAVE STH 89 AND INTERSECTIONS ALONG STH 89,
PAVEMENT MARKINGS, RESTORE WEST TERRACE/SLOPES,
AND FINISH WORK

2

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	TRAFFIC CONTROL OVERVIEW	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\020101_GN.DWG
LAYOUT NAME - 020101_gn02
PLOT DATE : 7/1/2019 9:02 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

NOTE:
SEE STANDARD DETAIL SHEETS FOR TRAFFIC CONTROL FOR SIGN SPACING AND SIZES.
NOT SHOWN ON THIS SHEET.

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

TYPE III BARRICADE

ROAD CLOSED 500 FT
W20-3D

ROAD CLOSED 1000 FT
W20-3C

ROAD CLOSED AHEAD
W20-3A

END ROAD WORK
G20-2A
48"X24"

R11-3
60" X 30"
ROAD CLOSED 0.5 MILES AHEAD LOCAL TRAFFIC ONLY
TYPE III BARRICADE

R11-3
60" X 30"
ROAD CLOSED 1 MILES AHEAD LOCAL TRAFFIC ONLY
TYPE III BARRICADE

R11-3
60" X 30"
ROAD CLOSED 3 MILES AHEAD LOCAL TRAFFIC ONLY
TYPE III BARRICADE

STH 89
DRIVING RANGE
FOOTBRIDGE
GOLF GREEN
GOLF COURSE

PROJECT NO: 3670-01-71	HWY: WIS 89	COUNTY: COLUMBIA	TRAFFIC CONTROL STAGE 1	SHEET E

PRE_92

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\025001_TC.DWG
LAYOUT NAME - 024501_tc00

PLOT DATE : 2/12/2019 1:38 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

NOTE:
SEE STANDARD DETAIL SHEETS FOR TRAFFIC CONTROL FOR SIGN SPACING AND SIZES.
NOT SHOWN ON THIS SHEET.

ROAD CLOSED AHEAD
W20-3A

ROAD CLOSED 500 FT
W20-3D

TYPE III BARRICADE

END ROAD WORK
G20-2A
48"X24"

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC

TYPE III BARRICADE

3+00'NB'
4+00'NB'
5+00'NB'
6+00'NB'
7+00'NB'
8+00'NB'

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC

TYPE III BARRICADE

SIGN

SIGN

SIGN

SIGN

9+00'NB'
10+00'NB'
11+00'NB'
12+00'NB'
13+00'NB'
14+00'NB'
15+

MH

STH 89

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	TRAFFIC CONTROL STAGE 1	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\025001_TC.DWG
LAYOUT NAME - 024501_tc01

PLOT DATE : 2/12/2019 1:38 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE:
SEE STANDARD DETAIL SHEETS FOR TRAFFIC CONTROL FOR SIGN SPACING AND SIZES.
NOT SHOWN ON THIS SHEET.

WEATHER SIREN
15+00'NB'
16+00'NB'
17+00'NB'
18+00'NB'
19+00'NB'
20+00'NB'
21+00'NB'
MH
SIGN
SIGN
INL
TYPE III BARRICADE
END
ROAD WORK
G20-2A
48"X24"
R11-4
60" X 30"
ROAD CLOSED
TO
THRU TRAFFIC
TYPE III BARRICADE
ROAD
CLOSED
500 FT
W20-3D
ROAD
CLOSED
AHEAD
W20-3A
N
POST
22+00'NB'
23+00'NB'
24+00'NB'
25+00'NB'
26+00'NB'
27+00'NB'
MH
MH
MH
INL
FLAG
FLAG
FLAG
ROAD
CLOSED
AHEAD
W20-3A
N

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	TRAFFIC CONTROL STAGE 1	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\025001_TC.DWG
LAYOUT NAME - 024501_tc02
PLOT DATE : 2/12/2019 1:38 PM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

PRE_94

NOTE:
SEE STANDARD DETAIL SHEETS FOR TRAFFIC CONTROL FOR SIGN SPACING AND SIZES.
NOT SHOWN ON THIS SHEET.

2

2

N

SIGN

28+00'NB'

29+00'NB'

30+00'NB'

31+00'NB'

32+00'NB'

33+00'NB'

MH

MH

FLAG

IN

ROAD CLOSED AHEAD
W20-3A

ROAD CLOSED 500 FT
W20-3D

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC

TYPE III BARRICADE

END ROAD WORK
G20-2A
48"X24"

TYPE III BARRICADE

N

SIGN

INL

W

INL

MH

34+00'NB'

35+00'NB'

36+00'NB'

37+00'NB'

38+00'NB'

39+00'NB'

MH

MH

MH

INL

INL

INL

TYPE III BARRICADE

END ROAD WORK
G20-2A
48"X24"

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC

TYPE III BARRICADE

ROAD CLOSED 500 FT
W20-3D

ROAD CLOSED AHEAD
W20-3A

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	TRAFFIC CONTROL STAGE 1	SHEET E

PRE_95

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\025001_TC.DWG
LAYOUT NAME - 024501_tc03

PLOT DATE : 2/12/2019 1:38 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE:
SEE STANDARD DETAIL SHEETS FOR TRAFFIC CONTROL FOR SIGN SPACING AND SIZES.
NOT SHOWN ON THIS SHEET.

ROAD CLOSED AHEAD W20-3A
ROAD CLOSED 500 FT W20-3D
END ROAD WORK G20-2A 48"X24"
R11-4 60" X 30" ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE
WO1-6 48" X 24"
40+00'NB'
41+00'NB'
42+00'NB'
43+00'NB'
44+00'NB'
45+00'NB'
46+00'NB'
47+00'NB'
48+00'NB'
49+00'NB'
50+00'NB'
INL
MH
W
SIGN
FLAG
N

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	TRAFFIC CONTROL STAGE 1	SHEET E

PRE_96

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\025001_TC.DWG
LAYOUT NAME - 024501_tc04
PLOT DATE : 2/12/2019 1:38 PM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

NOTE:
SEE STANDARD DETAIL SHEETS FOR TRAFFIC CONTROL FOR SIGN SPACING AND SIZES.
NOT SHOWN ON THIS SHEET.

2

2

7+30.00

49+00 NB'

50+00 NB'

N

RIGHT SHOULDER CLOSED AHEAD
W21-5B

ROAD WORK 500 FT
W20-1D

ROAD WORK 1000 FT
W20-1C

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

TEMPORARY TAPE 4-INCH, YELLOW

ROAD WORK AHEAD
W20-1A

ROAD WORK 1000 FT
W20-1C

ROAD WORK 500 FT
W20-1D

END ROAD WORK
G20-2A
48"X24"

MH

SIGN

PROJECT NO: 3670-01-71	HWY: WIS 89	COUNTY: COLUMBIA	TRAFFIC CONTROL STAGE 1	SHEET E

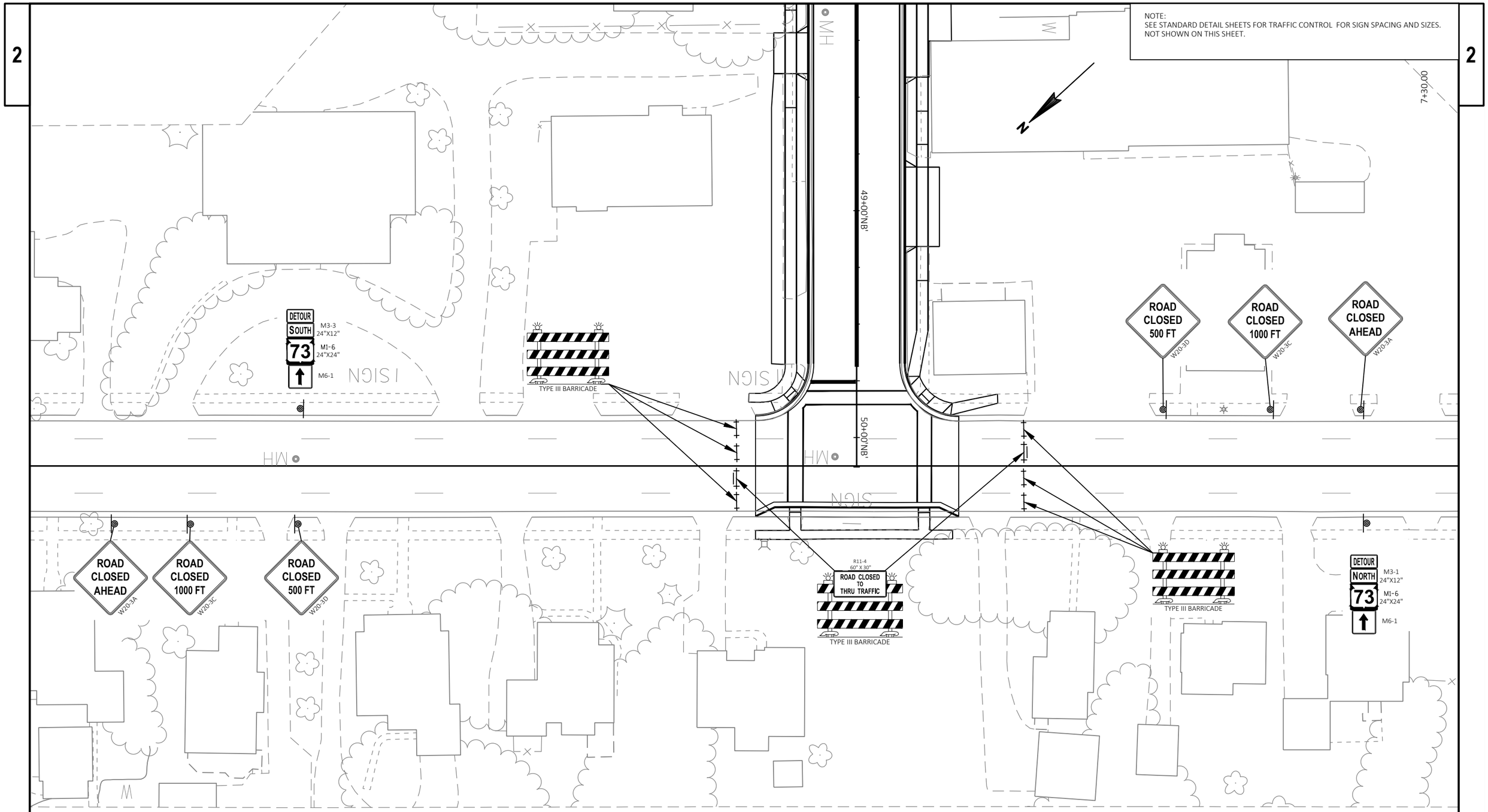
PRE_97

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\025001_TC.DWG
LAYOUT NAME - 024501_tc05

PLOT DATE : 2/12/2019 1:38 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE:
SEE STANDARD DETAIL SHEETS FOR TRAFFIC CONTROL FOR SIGN SPACING AND SIZES.
NOT SHOWN ON THIS SHEET.



PROJECT NO: 3670-01-71	HWY: WIS 89	COUNTY: COLUMBIA	TRAFFIC CONTROL STAGE 1A	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\025001_TC.DWG
LAYOUT NAME - 024501_tc06
PLOT DATE : 2/12/2019 1:38 PM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

PRE_98

NOTE:
SEE STANDARD DETAIL SHEETS FOR TRAFFIC CONTROL FOR SIGN SPACING AND SIZES.
NOT SHOWN ON THIS SHEET.

2

TLE

TLE

3+00'NB'

4+00'NB'

5+00'NB'

6+00'NB'

7+00'NB'

8+00'NB'

TLE

SIGN

SIGN

SIGN

TLE

9+00'NB'

10+00'NB'

11+00'NB'

12+00'NB'

13+00'NB'

14+00'NB'

15+

MH

STH 89

TLE

SIGN

2

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	TRAFFIC CONTROL PEDESTRIANS - WEST WALK OPEN	SHEET E

PRE_99

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\025002_TC.DWG
LAYOUT NAME - 024502_tc01

PLOT DATE : 2/12/2019 9:15 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

NOTE:
SEE STANDARD DETAIL SHEETS FOR TRAFFIC CONTROL FOR SIGN SPACING AND SIZES.
NOT SHOWN ON THIS SHEET.

2

2

WEATHER SIREN

15+00'NB'

16+00'NB'

17+00'NB'

18+00'NB'

19+00'NB'

20+00'NB'

21+00'NB'

MH

TLE

SIGN

SIGN

TLE

INL

TLE

N

TLE

POST

22+00'NB'

23+00'NB'

24+00'NB'

25+00'NB'

26+00'NB'

27+00'NB'

MH

MH

MH

INL

TLE

TLE

TEMPORARY PEDESTRIAN SURFACE PLATE

FLAG

FLAG

FLAG

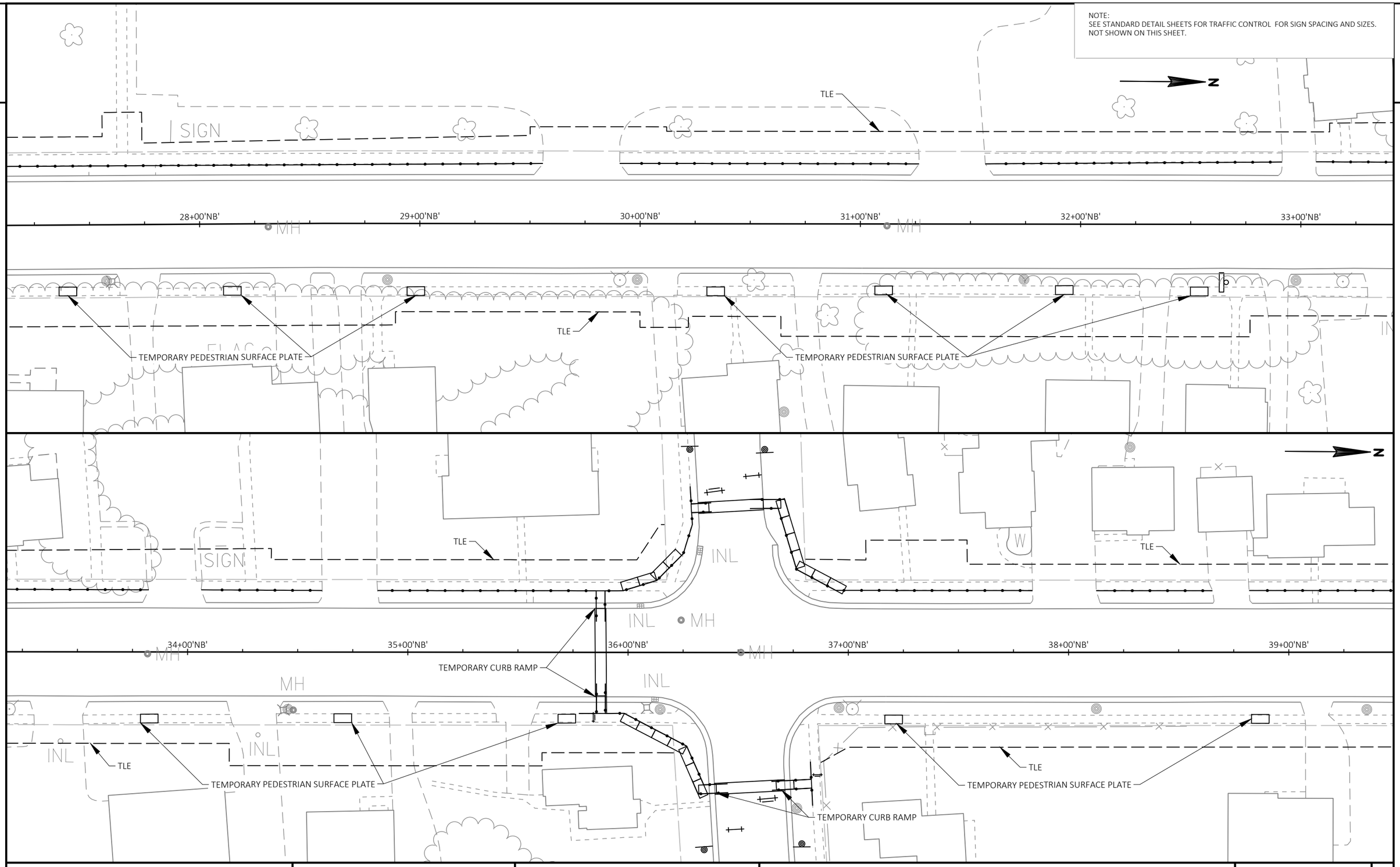
PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	TRAFFIC CONTROL PEDESTRIANS - WEST WALK OPEN	SHEET E

PRE_100

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\025002_TC.DWG
LAYOUT NAME - 024502_tc02

PLOT DATE : 2/12/2019 9:15 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE:
SEE STANDARD DETAIL SHEETS FOR TRAFFIC CONTROL FOR SIGN SPACING AND SIZES.
NOT SHOWN ON THIS SHEET.



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	TRAFFIC CONTROL PEDESTRIANS - WEST WALK OPEN	SHEET E

PRE_101

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\025002_TC.DWG
LAYOUT NAME - 024502_tc03
PLOT DATE : 2/12/2019 9:15 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

NOTE:
SEE STANDARD DETAIL SHEETS FOR TRAFFIC CONTROL FOR SIGN SPACING AND SIZES.
NOT SHOWN ON THIS SHEET.

TEMPORARY PEDESTRIAN SURFACE PLATE
TLE
TEMPORARY CURB RAMP
40+00'NB'
41+00'NB'
42+00'NB'
43+00'NB'
44+00'NB'
45+00'NB'
46+00'NB'
47+00'NB'
48+00'NB'
49+00'NB'
50+00'NB'
INL
MH
SIGN
POET ST
ANT
W
FLAG
N

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	TRAFFIC CONTROL PEDESTRIANS - WEST WALK OPEN	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\025002_TC.DWG
LAYOUT NAME - 024502_tc04
PLOT DATE : 2/12/2019 9:15 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

PRE_102
WISDOT/CADDS SHEET 44

NOTE:
SEE STANDARD DETAIL SHEETS FOR TRAFFIC CONTROL FOR SIGN SPACING AND SIZES.
NOT SHOWN ON THIS SHEET.

TEMPORARY PEDESTRIAN SURFACE PLATE
TLE
TEMPORARY PEDESTRIAN SURFACE PLATE
TEMPORARY CURB RAMP
TEMPORARY CROSSWALK
TLE
TEMPORARY PEDESTRIAN SURFACE PLATE
TEMPORARY PEDESTRIAN SURFACE PLATE
TEMPORARY CURB RAMP
STH 89/FARNHAM ST
49+00 N
50+00 N
7+30.00
STH 73/PARK AVENUE
TEMPORARY CURB RAMP
TEMPORARY PEDESTRIAN PLATE
TLE
TEMPORARY CROSSWALK
TEMPORARY CURB RAMP
TEMPORART PEDESTRIAN SURFACE PLATE

PROJECT NO: 3670-01-71	HWY: WIS 89	COUNTY: COLUMBIA	TRAFFIC CONTROL PEDESTRIANS - WEST WALK OPEN	SHEET E

PRE_103

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\025002_TC.DWG
LAYOUT NAME - 024502_tc05
PLOT DATE : 2/12/2019 9:15 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE:
SEE STANDARD DETAIL SHEETS FOR TRAFFIC CONTROL FOR SIGN SPACING AND SIZES.
NOT SHOWN ON THIS SHEET.

2

2

TLE

3+00'NB'

4+00'NB'

5+00'NB'

6+00'NB'

7+00'NB'

8+00'NB'

TLE

SIGN

SIGN

SIGN

TEMPORARY PEDESTRIAN SURFACE PLATE

TLE

TEMPORARY PEDESTRIAN SURFACE PLATE

9+00'NB'

10+00'NB'

11+00'NB'

12+00'NB'

13+00'NB'

14+00'NB'

15+

MH

STH 89

TLE

SIGN

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	TRAFFIC CONTROL PEDESTRIANS - EAST WALK OPEN	SHEET E

PRE_104

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\025004_TC.DWG
LAYOUT NAME - 024504_tc01

PLOT DATE : 2/12/2019 9:16 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE:
SEE STANDARD DETAIL SHEETS FOR TRAFFIC CONTROL FOR SIGN SPACING AND SIZES.
NOT SHOWN ON THIS SHEET.

TEMPORARY PEDESTRIAN SURFACE PLATE

TLE

WEATHER SIREN

15+00'NB'

16+00'NB'

17+00'NB'

18+00'NB'

19+00'NB'

20+00'NB'

21+00'NB'

MH

SIGN

SIGN

INL

N

TEMPORARY PEDESTRIAN SURFACE PLATE

TLE

POST

22+00'NB'

23+00'NB'

24+00'NB'

25+00'NB'

26+00'NB'

27+00'NB'

MH

MH

MH

INL

TLE

TLE

TEMPORARY PEDESTRIAN SURFACE PLATE

FLAG

FLAG

FLAG

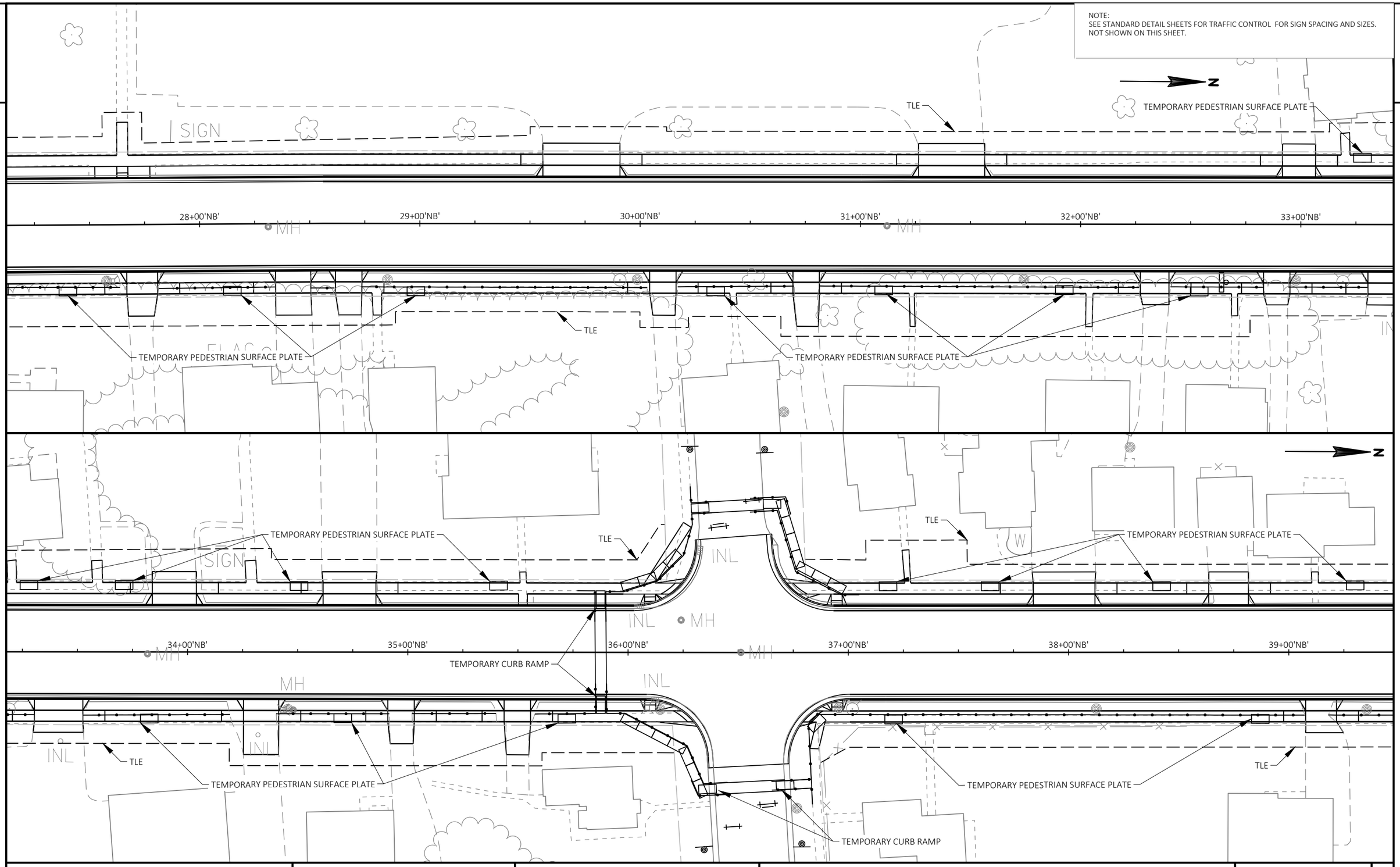
PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	TRAFFIC CONTROL PEDESTRIANS - EAST WALK OPEN	SHEET E

PRE_105

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\025004_TC.DWG
LAYOUT NAME - 024504_tc02

PLOT DATE : 2/12/2019 9:16 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE:
SEE STANDARD DETAIL SHEETS FOR TRAFFIC CONTROL FOR SIGN SPACING AND SIZES.
NOT SHOWN ON THIS SHEET.



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	TRAFFIC CONTROL PEDESTRIANS - EAST WALK OPEN	SHEET E

PRE_106

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\025004_TC.DWG
LAYOUT NAME - 024504_tc03
PLOT DATE : 2/12/2019 9:16 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

NOTE:
SEE STANDARD DETAIL SHEETS FOR TRAFFIC CONTROL FOR SIGN SPACING AND SIZES.
NOT SHOWN ON THIS SHEET.

TEMPORARY PEDESTRIAN SURFACE PLATE
TLE
TEMPORARY PEDESTRIAN SURFACE PLATE
TEMPORARY PEDESTRIAN SURFACE PLATE
TLE
TEMPORARY PEDESTRIAN SURFACE PLATE
SIGN
INL
MH
40+00'NB'
41+00'NB'
42+00'NB'
43+00'NB'
44+00'NB'
45+00'NB'
TEMPORARY CURB RAMP
TLE
TEMPORARY PEDESTRIAN SURFACE PLATE
TLE
TEMPORARY PEDESTRIAN SURFACE PLATE
TEMPORARY PEDESTRIAN SURFACE PLATE
TEMPORARY CURB RAMP
POET ST
ANT
TEMPORARY PEDESTRIAN SURFACE PLATE
45+00'NB'
TLE
46+00'NB'
47+00'NB'
48+00'NB'
49+00'NB'
50+00'NB'
FLAG
SIGN
TEMPORARY PEDESTRIAN SURFACE PLATE
TEMPORARY PEDESTRIAN SURFACE PLATE
TLE
TLE

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	TRAFFIC CONTROL PEDESTRIANS - EAST WALK OPEN	SHEET E

PRE_107

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\025004_TC.DWG
LAYOUT NAME - 024504_tc04
PLOT DATE : 2/12/2019 9:16 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE:
SEE STANDARD DETAIL SHEETS FOR TRAFFIC CONTROL FOR SIGN SPACING AND SIZES.
NOT SHOWN ON THIS SHEET.

TEMPORARY PEDESTRIAN SURFACE PLATE
TLE
TEMPORARY PEDESTRIAN SURFACE PLATE
TEMPORARY CURB RAMP
TEMPORARY CROSSWALK
TEMPORARY PEDESTRIAN SURFACE PLATE
49+00 NB
STH 89/FARNHAM ST
50+00 NB
STH 73/PARK AVENUE
TEMPORARY PEDESTRIAN SURFACE PLATE
TEMPORARY PEDESTRIAN SURFACE PLATE
TEMPORARY CURB RAMP
TEMPORARY CURB RAMP
TEMPORARY PEDESTRIAN PLATE
TLE
TEMPORARY CROSSWALK
TEMPORARY CURB RAMP
TEMPORART PEDESTRIAN SURFACE PLATE

PROJECT NO: 3670-01-71	HWY: WIS 89	COUNTY: COLUMBIA	TRAFFIC CONTROL PEDESTRIANS - EAST WALK OPEN	SHEET E

PRE_108

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\025004_TC.DWG
LAYOUT NAME - 024504_tc05
PLOT DATE : 2/12/2019 9:16 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND
DETOUR ROUTE STAGE 1
DETOUR ROUTE STAGE 1A

PROJECT LOCATION

DETOUR ROUTE

DETOUR ROUTE

DETOUR ROUTE

DETOUR ROUTE

DETOUR ROUTE

N

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	DETOUR PLAN STAGE 1	SHEET E

PRE_109

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\027001_DT.DWG
LAYOUT NAME - 027001_dt01

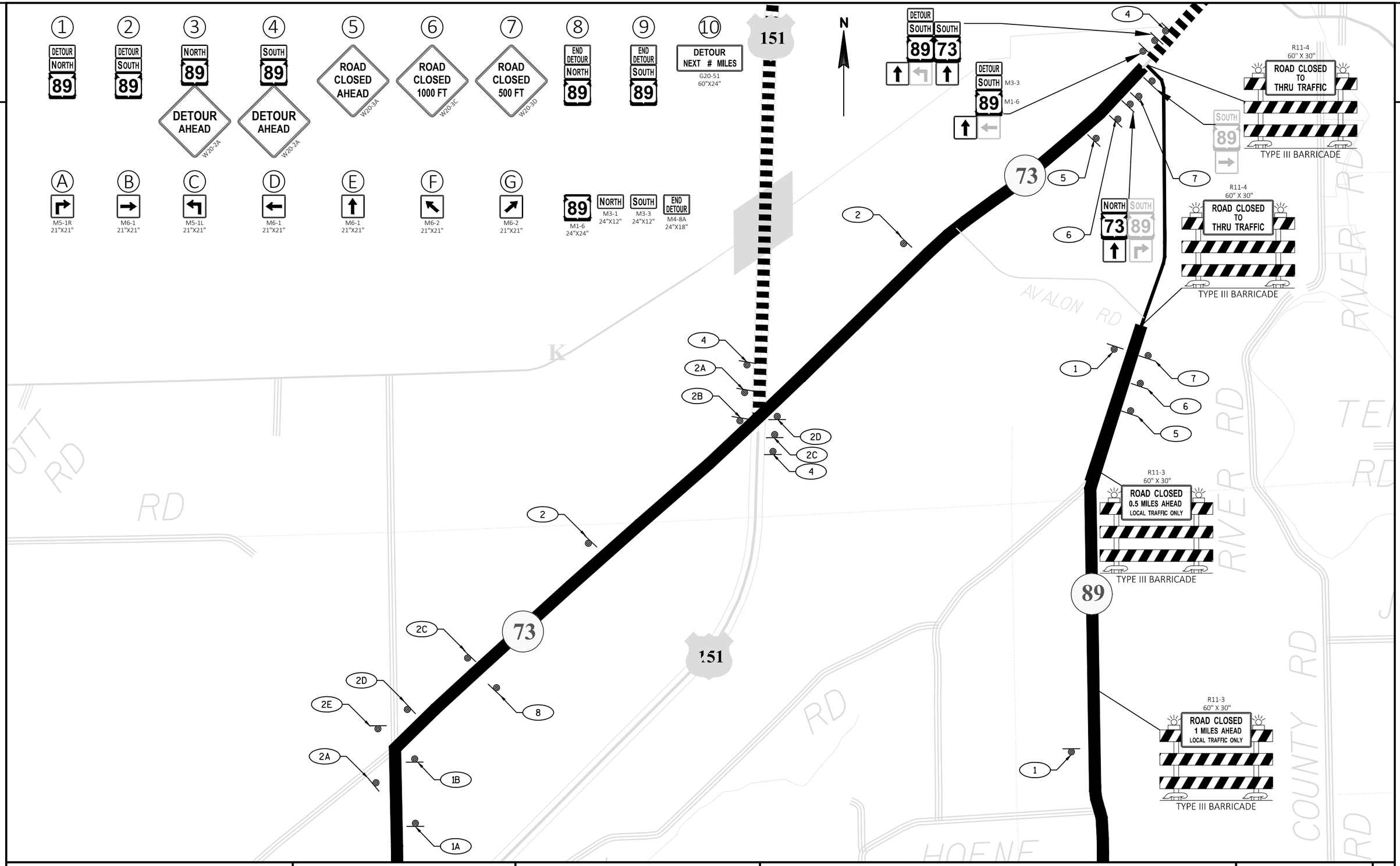
PLOT DATE : 3/4/2019 7:27 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:1 MI

2

1 — DETOUR NORTH 89
2 — DETOUR SOUTH 89
3 — NORTH 89 / DETOUR AHEAD — W20-2A
4 — SOUTH 89 / DETOUR AHEAD — W20-2A
5 — ROAD CLOSED AHEAD — W20-3A
6 — ROAD CLOSED 1000 FT — W20-3C
7 — ROAD CLOSED 500 FT — W20-3D
8 — END DETOUR NORTH 89
9 — END DETOUR SOUTH 89
10 — DETOUR NEXT # MILES — G20-51 60"X24"

A — M5-1R 21"X21"
B — M6-1 21"X21"
C — M5-1L 21"X21"
D — M6-1 21"X21"
E — M6-1 21"X21"
F — M6-2 21"X21"
G — M6-2 21"X21"

89 M1-6 24"X24" | NORTH M3-1 24"X12" | SOUTH M3-3 24"X12" | END DETOUR M4-8A 24"X18"

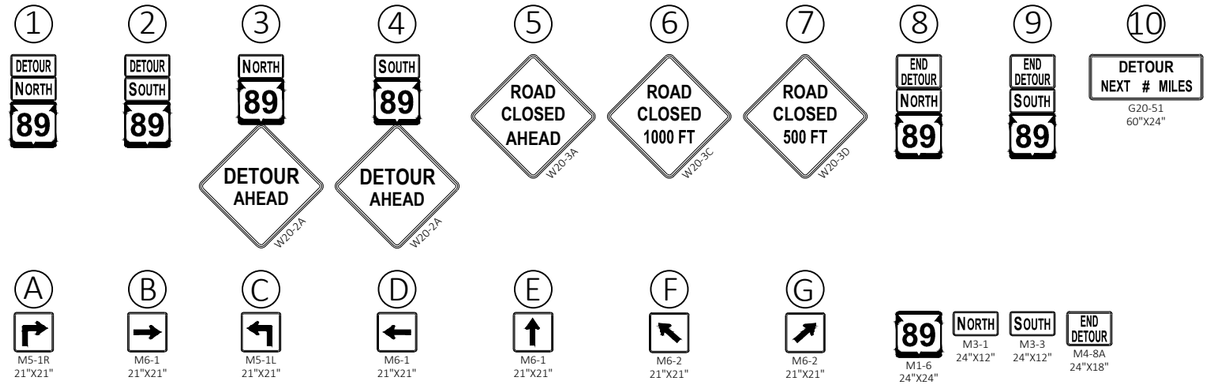


PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	DETOUR PLAN STAGE 1	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\027001_DT.DWG
LAYOUT NAME - 027001_dt02
PLOT DATE : 3/4/2019 7:27 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:1500 FT

PRE_110

WISDOT/CADDS SHEET 42



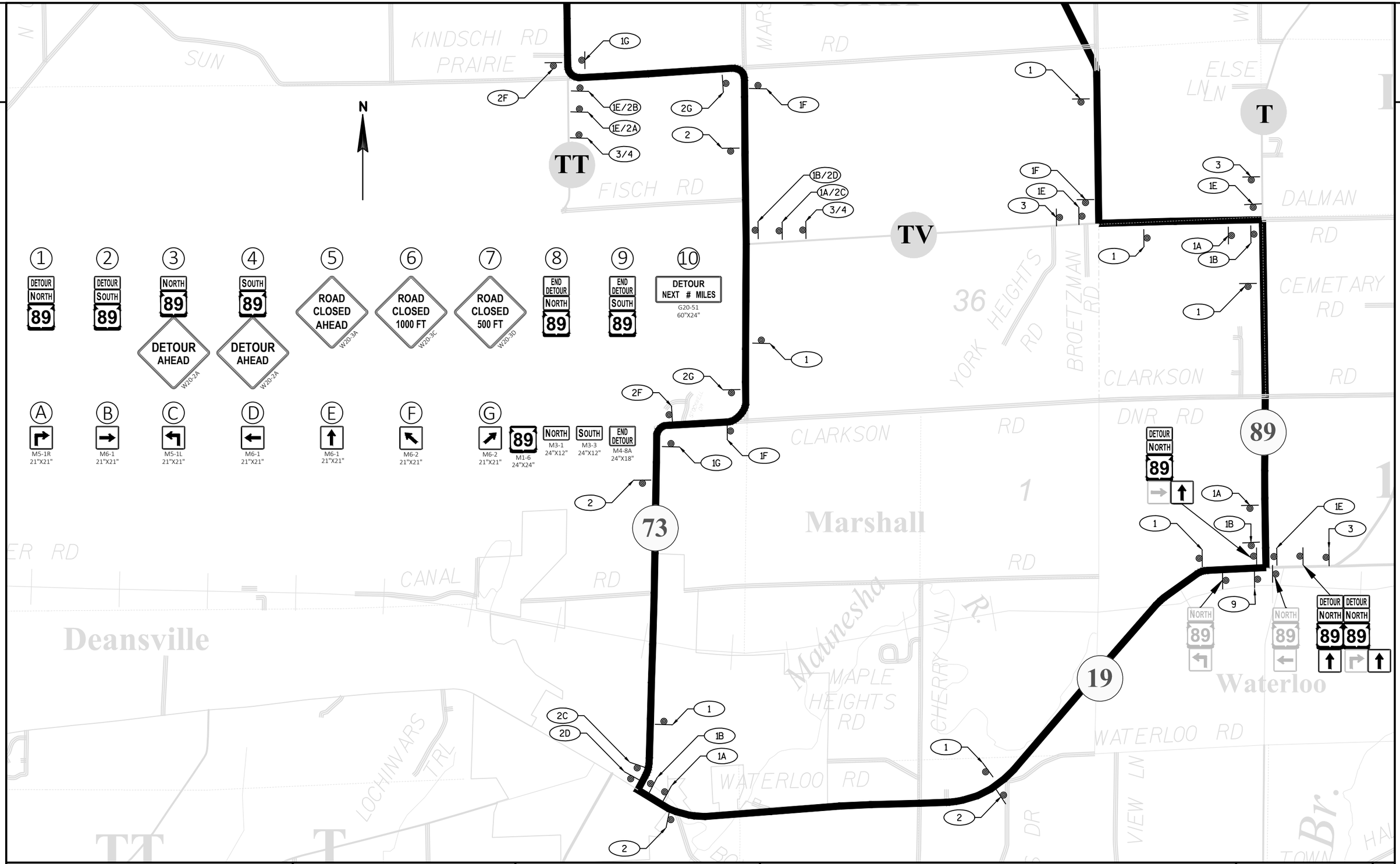


PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	DETOUR PLAN STAGE 1	SHEET E

PRE_111

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\027001_DT.DWG
LAYOUT NAME - 027001_dt03

PLOT DATE : 3/4/2019 7:27 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : Custom



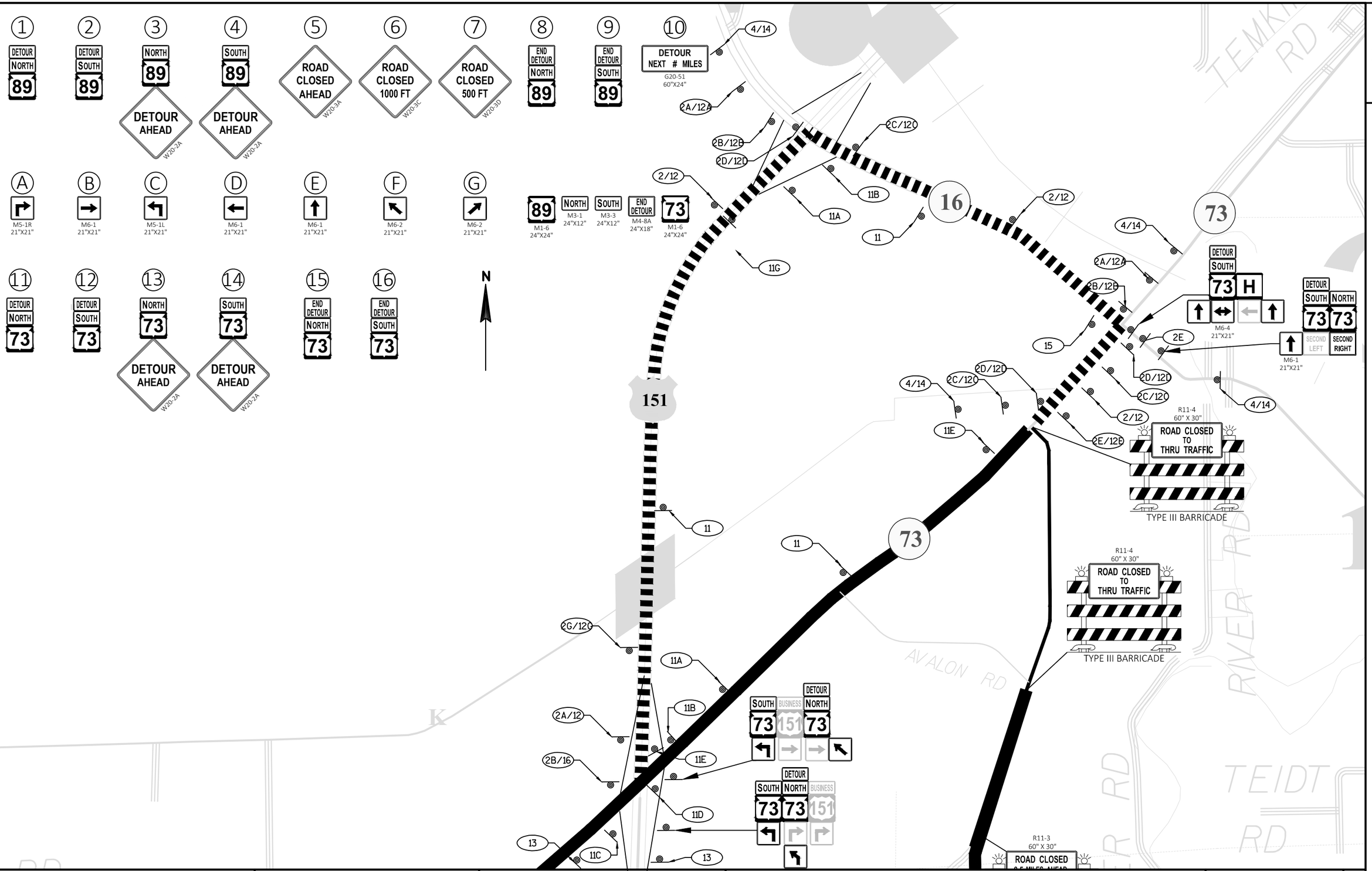
PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	DETOUR PLAN STAGE 1	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\027001_DT.DWG
LAYOUT NAME - 027001_dt04

PLOT DATE : 3/4/2019 7:27 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:0.5 MI

PRE_112

WISDOT/CADDS SHEET 42


1
DETOUR NORTH 89
2
DETOUR SOUTH 89
3
NORTH 89
DETOUR AHEAD
W20-2A
4
SOUTH 89
DETOUR AHEAD
W20-2A
5
ROAD CLOSED AHEAD
W20-3A
6
ROAD CLOSED 1000 FT
W20-3C
7
ROAD CLOSED 500 FT
W20-3D
8
END DETOUR NORTH 89
9
END DETOUR SOUTH 89
10
DETOUR NEXT # MILES
G20-51
60"X24"
A
M5-1R
21"X21"
B
M6-1
21"X21"
C
M5-1L
21"X21"
D
M6-1
21"X21"
E
M6-1
21"X21"
F
M6-2
21"X21"
G
M6-2
21"X21"
89
M1-6
24"X24"
NORTH
M3-1
24"X12"
SOUTH
M3-3
24"X12"
END DETOUR
M4-8A
24"X18"
73
M1-6
24"X24"
11
DETOUR NORTH 73
12
DETOUR SOUTH 73
13
NORTH 73
DETOUR AHEAD
W20-2A
14
SOUTH 73
DETOUR AHEAD
W20-2A
15
END DETOUR NORTH 73
16
END DETOUR SOUTH 73
N
151
16
73
4/14
2A/12A
2B/12B
2C/12C
2D/12D
2E/12E
2/12
11
11A
11B
11C
11D
11E
11G
13
15
2A/12
2B/16
2G/12G
DETOUR SOUTH 73 H
M6-4
21"X21"
2E
DETOUR SOUTH NORTH 73 73
M6-1
21"X21"
SECOND LEFT
SECOND RIGHT
R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE
R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE
R11-3
60" X 30"
ROAD CLOSED
SOUTH BUSINESS 151 DETOUR NORTH 73
DETOUR SOUTH NORTH 73 73 BUSINESS 151
TEMKIN RD
AVALON RD
TEIDT RD
RIVER RD

2

2

M4-9BR
30"X24"

DETOUR

END DETOUR

M4-8A
24"X18"

STH 73/PARK AVE

CTH K/FULLER STREET

S. SCHOOL STREET

S. WATER STREET

N

M4-9BR
30"X24"

DETOUR

S. SCHOOL STREET

WATERLOO STREET

M4-9BL
30"X24"

DETOUR

WATERLOO STREET

WILLIAMS STREET

R9-9
30" X 18"

SIDEWALK CLOSED

TYPE II BARRICADE

M4-9BL
30"X24"

DETOUR

DETOUR AHEAD

M4-9BA
30"X24"

STH 73/PARK AVE

R9-9
30" X 18"

SIDEWALK CLOSED

TYPE II BARRICADE

R9-9
30" X 18"

SIDEWALK CLOSED

TYPE II BARRICADE

END DETOUR

M4-8A
24"X18"

POET STREET

M4-9BA
30"X24"

DETOUR AHEAD

M4-9BR
30"X24"

DETOUR

DETOUR

M4-9BA
30"X24"

M4-9BL
30"X24"

DETOUR

M4-9BR
30"X24"

DETOUR

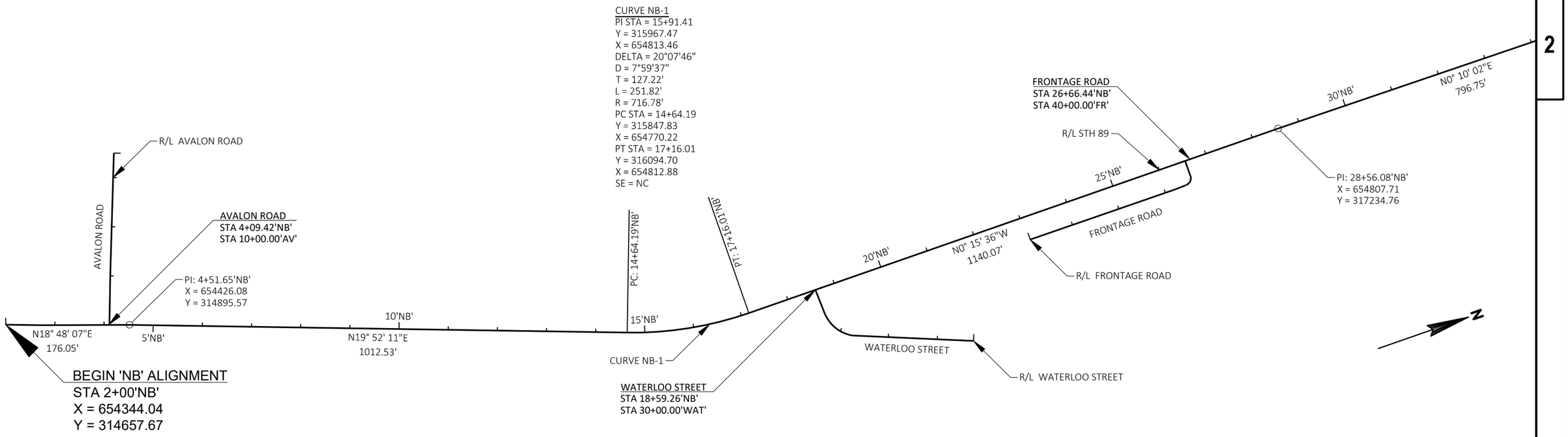
WATERLOO STREET

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PEDESTRIAN DETOUR	SHEET E

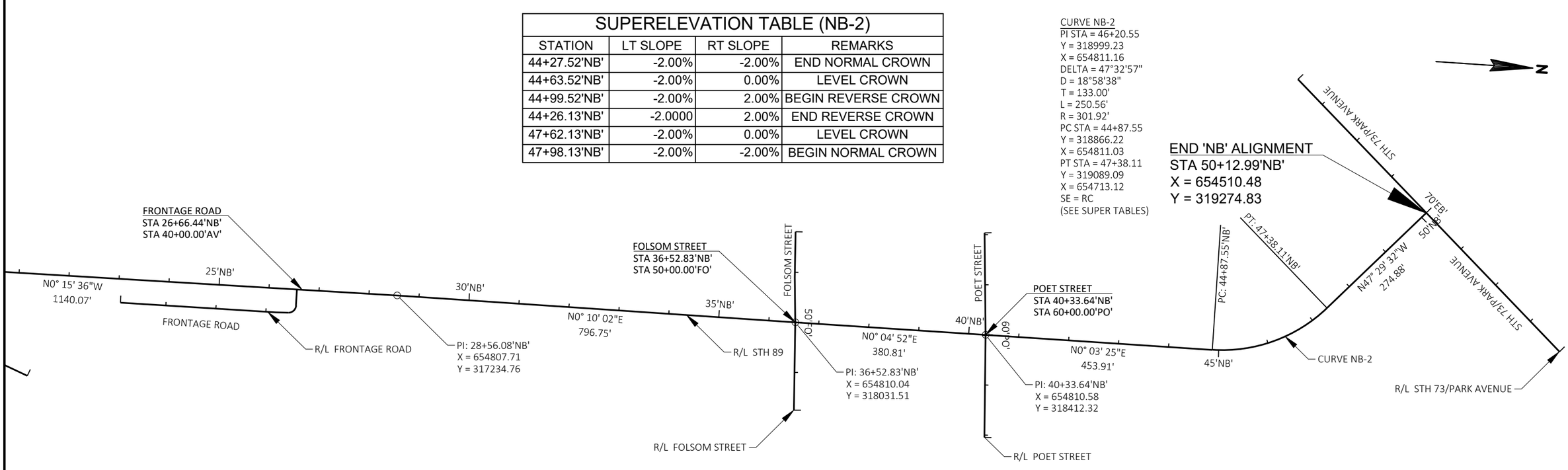
PRE_114

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\027003_DT.DWG PLOT DATE : 6/26/2019 11:13 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42



SUPERELEVATION TABLE (NB-2)			
STATION	LT SLOPE	RT SLOPE	REMARKS
44+27.52'NB'	-2.00%	-2.00%	END NORMAL CROWN
44+63.52'NB'	-2.00%	0.00%	LEVEL CROWN
44+99.52'NB'	-2.00%	2.00%	BEGIN REVERSE CROWN
44+26.13'NB'	-2.0000	2.00%	END REVERSE CROWN
47+62.13'NB'	-2.00%	0.00%	LEVEL CROWN
47+98.13'NB'	-2.00%	-2.00%	BEGIN NORMAL CROWN



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	ALIGNMENT DIAGRAM: STH 89	SHEET E

PRE_115

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\027201_AD.DWG
LAYOUT NAME - 027201_ad01

PLOT DATE : 3/4/2019 7:20 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

2

2

N

5+00'NB'

4+00'NB'

3+00'NB'

R/L AVALON ROAD

AVALON ROAD

7+00'AV'

8+00'AV'

9+00'AV'

BEGIN 'AV' ALIGNMENT
STA 6+50.17'AV'
X = 654085.04
Y = 314979.49

END 'AV' ALIGNMENT
STA 10+00.00'AV'
X = 654412.94
Y = 314856.96

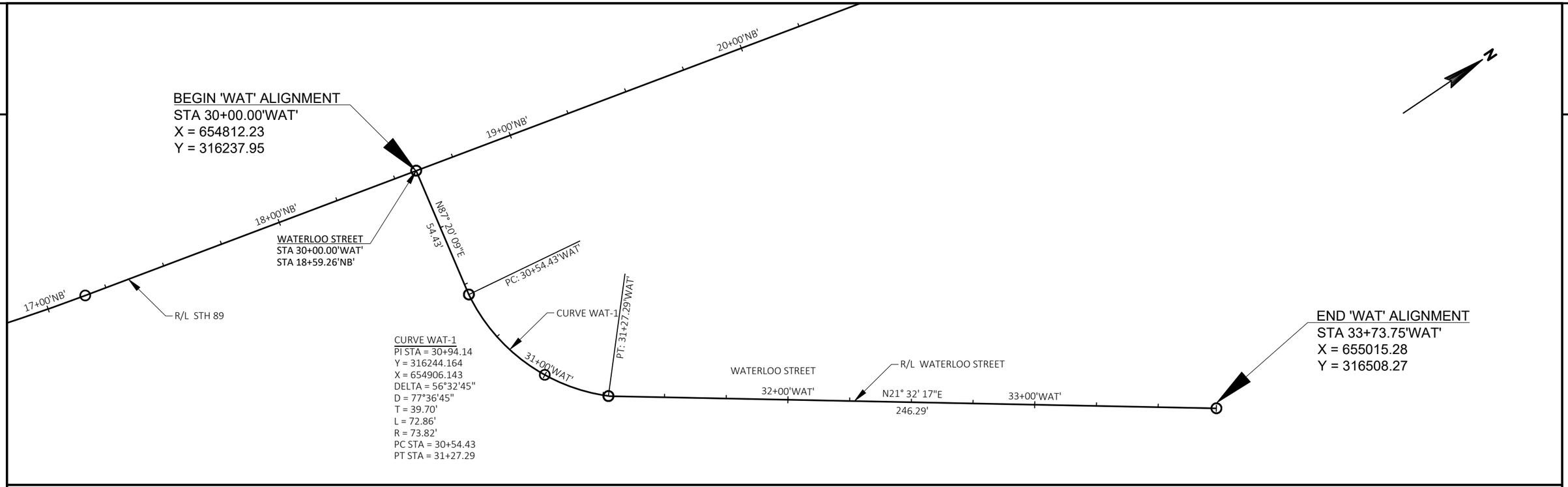
AVALON ROAD
STA 10+00.00'AV'
STA 4+10.87'NB'

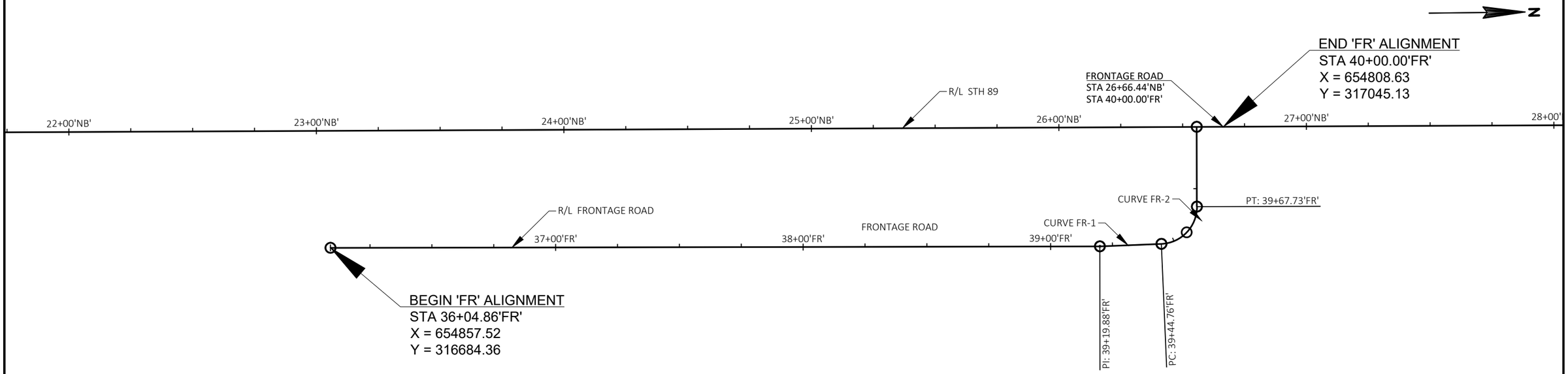
R/L STH 89

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	ALIGNMENT DIAGRAM: AVALON ROAD	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\027202_AD.DWG
LAYOUT NAME - 027202_ad02
PLOT DATE : 3/4/2019 7:20 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

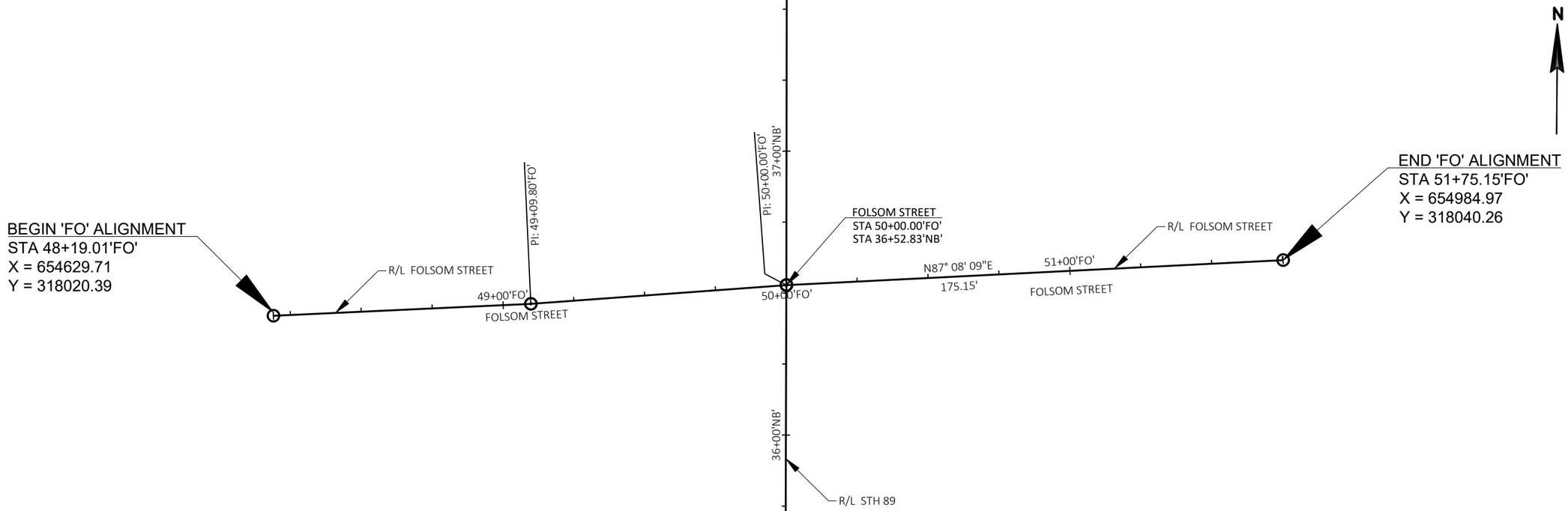


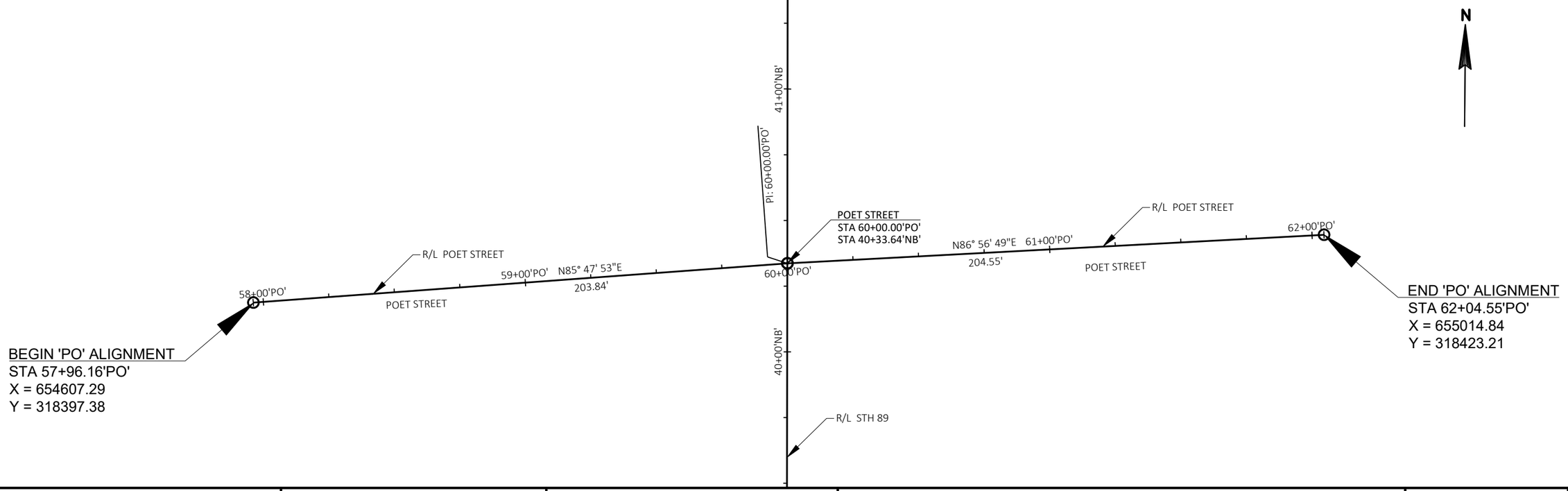


PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	ALIGNMENT DIAGRAM: WATERLOO STREET & FRONTAGE ROAD	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\027202_AD.DWG
LAYOUT NAME - 027202_ad03
PLOT DATE : 3/4/2019 7:20 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########

2

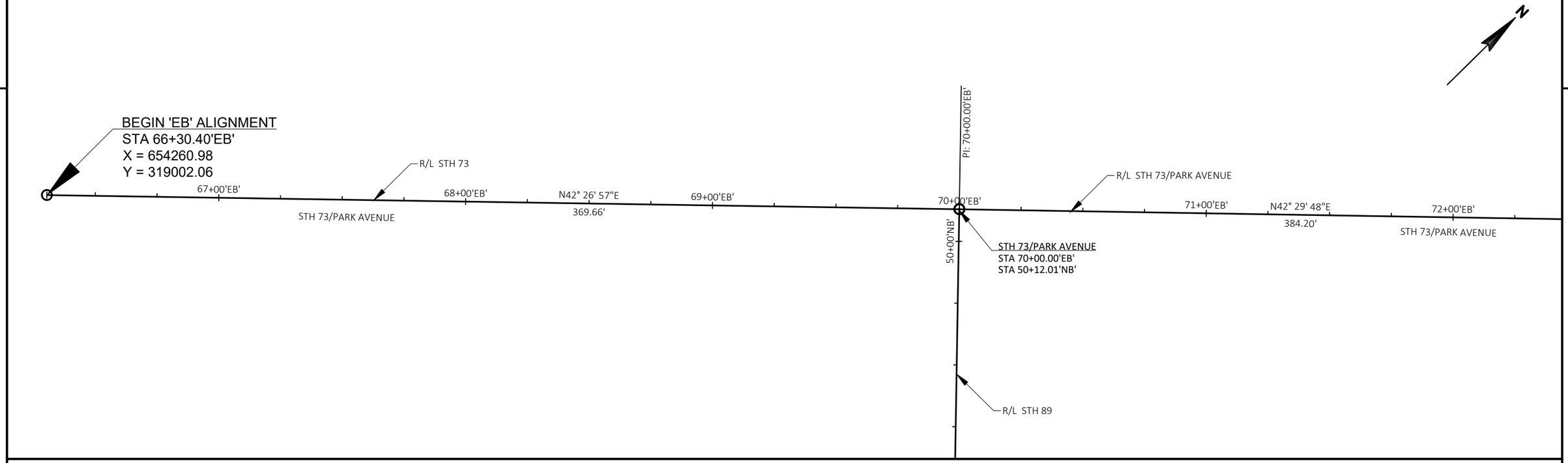


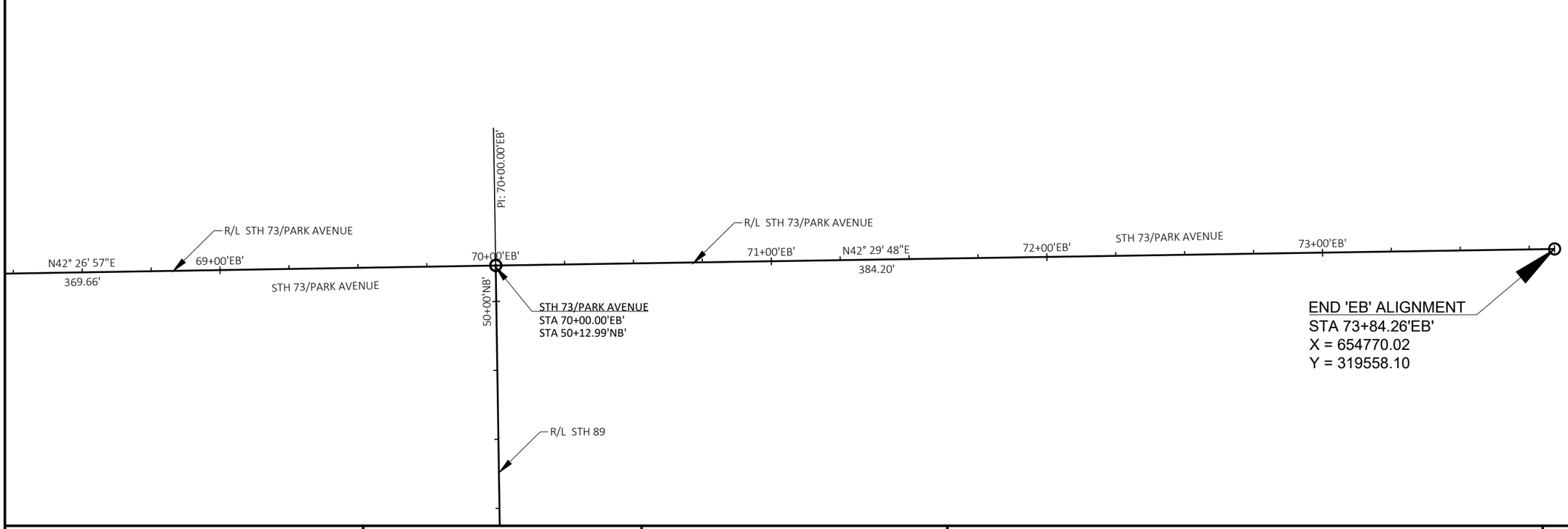


PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	ALIGNMENT DIAGRAM: FOLSOM STREET & POET STREET	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\027202_AD.DWG
LAYOUT NAME - 027202_ad04
PLOT DATE : 3/4/2019 7:20 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

2





PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	ALIGNMENT DIAGRAM: STH 73	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\027202_AD.DWG
LAYOUT NAME - 027202_ad05

PLOT DATE : 3/4/2019 7:20 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########

3

CLEARING AND GRUBBING SUMMARY

CATEGORY	STATION	LOCATION	201.0120 CLEARING ID	201.0220 GRUBBING ID	REMARKS
0010	03+85.00	LT	60	60	
0010	06+65.00	LT	75	75	
0010	07+43.00	LT	129	129	
0010	08+04.00	LT	72	72	
0010	20+40.00	RT	25	25	3 SMALL TREES
0010	30+50.00	RT	79	79	
0010	36+93.00	RT	75	75	
0010	37+05.00	LT	144	144	18" AND 28" TREE
0010	39+55.00	LT	57	57	
0010	39+73.00	LT	75	75	
0010	41+00.00	RT	113	113	
0010	43+60.00	LT	13	13	
		TOTAL 0010	**917**	**917**	

REMOVING SMALL PIPE CULVERTS

CATEGORY	STATION		LENGTH FT	SIZE X	DIA. IN	MATERIAL	203.0100 REMOVING SMALL PIPE CULVERTS EACH	REMARKS
0010	5+25	NB	20		12	CMCP	1	UNDER SIDEWALK LT
0010	8+65	NB	14		12	CMCP	2	UNDER SIDEWALK LT
0010	9+10	NB	42		12	CMCP	1	UNDER DRIVEWAY LT
0010	12+79	NB	56		30	CMCP	1	UNDER STH 89
0010	14+00	NB	38		12	CMCP	1	UNDER DRIVEWAY RT
0010	14+90	NB	14		12	CMCP	1	UNDER SIDEWALK LT
0010	16+28	NB	54		24	CMCP	1	UNDER STH 89
0010	42+75	NB	94		48	CMCP	3	2nd WARD CREEK UNDER STH 89
					TOTAL 0010		**11**	

REMOVING STORM SEWER SUMMARY

CATEGORY	STATION	TO	STATION	LOCATION	204.0245.01 REMOVING STORM SEWER 12-INCH LF	204.0245.02 REMOVING STORM SEWER 15-INCH LF	204.0245.03 REMOVING STORM SEWER 21-INCH LF	204.0245.04 REMOVING STORM SEWER 24-INCH LF	REMARKS
0010	16+86	-	18+96	NB	--	--	--	210	RIGHT
0010	34+35	-	36+12	NB	178				TIFFANY APARTMENTS RIGHT
0010	36+05	-	36+24	NB	18	--	--	--	LEFT
0010	36+12	-	36+24	NB	34	--	--	--	RIGHT
0010	36+24	-	40+24	NB	--	400	--	--	MAIN
0010	39+85	-	40+24	NB	36	--	--	--	LEFT
0010	40+24	-	42+74	NB	--	--	250	--	MAIN
0010	42+79	-	43+64	NB	--	85	--	--	MAIN
0010	43+64			NB	36	--	--	--	LEFT & RIGHT
0010	43+64	-	46+02	NB	--	239	--	--	MAIN
0010	46+02			NB	34	--	--	--	LEFT & RIGHT
0010	49+53	-	49+21	FO	32	--	--	--	SW QUAD
0010	59+86	-	60+41	PO	52	--	--	--	RIGHT
0010	59+86	-	60+41	PO	58	--	--	--	LEFT
				TOTAL 0010	**478**	**724**	**250**	**210**	

3

REMOVING PAVEMENT

CATEGORY	STATION	TO	STATION	204.0100 REMOVING PAVEMENT SY	REMARKS
0010	05+52.27	-	17+42.46	2909	MAINLINE
0010	17+42.46	-	19+26.66	554	MAINLINE
0010	19+26.66	-	20+15.25	217	MAINLINE
0010	20+15.25	-	21+98.59	539	MAINLINE
0010	21+98.59	-	26+41.46	1764	MAINLINE
0010	26+41.46	-	35+98.28	4784	MAINLINE
0010	27+62.00	-	27+82.00	13	DRIVEWAY APRON RT
0010	28+32.00	-	28+51.00	32	DRIVEWAY APRON & DRIVEWAY RT
0010	28+59.00	-	28+74.00	9	DRIVEWAY APRON RT
0010	30+01.00	-	30+18.00	19	DRIVEWAY APRON & DRIVEWAY RT
0010	30+68.00	-	30+82.00	8	DRIVEWAY APRON RT
0010	31+23.00	-	31+60.00	19	DRIVEWAY APRON LT
0010	32+25.00	-	32+42.00	9	DRIVEWAY APRON RT
0010	32+81.00	-	32+95.00	13	DRIVEWAY APRON & DRIVEWAY RT
0010	32+90.00	-	33+08.00	18	DRIVEWAY APRON & DRIVEWAY LT
0010	33+28.00	-	33+55.00	17	DRIVEWAY APRON RT
0010	33+79.00	-	34+08.00	17	DRIVEWAY APRON LT
0010	34+17.00	-	34+43.00	15	DRIVEWAY APRON RT
0010	35+38.00	-	35+60.00	11	DRIVEWAY APRON RT
0010	35+98.28	-	36+98.76	808	FOLSOM STREET INTERSECTION
0010	36+98.76	-	39+86.30	1438	MAINLINE
0010	37+82.00	-	38+14.00	34	DRIVEWAY APRON & DRIVEWAY LT
0010	38+64.00	-	38+83.00	20	DRIVEWAY APRON & DRIVEWAY LT
0010	39+05.00	-	39+20.00	16	DRIVEWAY APRON & DRIVEWAY RT
0010	39+86.30	-	40+78.91	746	POET STREET INTERSECTION
0010	40+78.91	-	49+68.68	4449	MAINLINE
0010	41+26.00	-	41+43.00	10	DRIVEWAY APRON LT
0010	41+81.00	-	41+96.00	15	DRIVEWAY APRON & DRIVEWAY RT
0010	42+58.00	-	42+75.00	9	DRIVEWAY APRON RT
0010	43+11.00	-	43+40.00	17	DRIVEWAY APRON LT
0010	43+45.00	-	43+63.00	17	DRIVEWAY APRON & DRIVEWAY RT
0010	44+59.00	-	44+79.00	10	DRIVEWAY APRON RT
0010	46+17.00	-	46+48.00	19	DRIVEWAY APRON RT
0010	46+32.00	-	46+77.00	27	DRIVEWAY APRON LT
0010	47+09.00	-	47+24.00	10	DRIVEWAY APRON RT
0010	47+38.00	-	47+57.00	9	DRIVEWAY APRON RT
0010	47+51.00	-	48+41.00	88	DRIVEWAY APRON & DRIVEWAY LT
0010	48+18.00	-	48+41.00	13	DRIVEWAY APRON RT
0010	48+40.00	-	49+38.00	55	PARKING LOT RT
0010	48+74.00	-	49+17.00	28	DRIVEWAY APRON LT
0010	49+35.00	-	49+66.00	20	DRIVEWAY APRON RT
0010	49+68.68	-	50+13.00	573	STH 73/PARK AVE INTERSECTION
			TOTAL 0010	**19397**	

REMOVING ASPHALTIC SURFACE

CATEGORY	STATION	TO	STATION	LOCATION	204.0110 REMOVING ASPHALTIC SURFACE SY
0010	03+75.00	-	04+40.00	DRIVEWAY RT	128
0010	08+64.00	-	09+51.00	DRIVEWAY LT	181
0010	13+82.00	-	14+38.00	DRIVEWAY RT	145
0010	13+57.00	-	15+35.00	DRIVEWAY LT	276
0010	22+18.00	-	22+59.00	DRIVEWAY LT	125
0010	26+15.00	-	26+57.00	DRIVEWAY LT	53
0010	26+56.00	-	26+74.00	DRIVEWAY RT	19
0010	26+88.00	-	27+04.00	DRIVEWAY RT	21
0010	27+64.00	-	27+81.00	DRIVEWAY RT	13
0010	29+55.00	-	29+90.00	DRIVEWAY LT	37
0010	30+68.00	-	30+80.00	DRIVEWAY RT	16
0010	31+23.00	-	31+60.00	DRIVEWAY LT	14
0010	32+25.00	-	32+42.00	DRIVEWAY RT	6
0010	33+28.00	-	33+55.00	DRIVEWAY RT	10
0010	33+80.00	-	34+08.00	DRIVEWAY LT	10
0010	34+18.00	-	34+43.00	DRIVEWAY RT	28
0010	34+59.00	-	34+87.00	DRIVEWAY LT	29
0010	34+89.00	-	35+04.00	DRIVEWAY RT	11
0010	42+61.00	-	42+75.00	DRIVEWAY RT	5
0010	42+98.00	-	43+38.00	PARKING LOT LT	18
0010	44+61.00	-	44+77.00	DRIVEWAY RT	14
0010	46+24.00	-	46+49.00	DRIVEWAY RT	31
0010	47+12.00	-	47+28.00	DRIVEWAY RT	9
0010	47+41.00	-	47+53.00	DRIVEWAY RT	5
0010	48+22.00	-	48+40.00	DRIVEWAY RT	11
0010	48+74.00	-	49+32.00	DRIVEWAY LT	27
0010	49+38.00	-	49+80.00	PARKING LOT RT	20
				TOTAL 0010	**1262**

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3

REMOVING CURB & GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	204.0150 REMOVING CURB & GUTTER LF	REMARKS
0010	03+65.47	-	03+94.33	LT	46	AVALON RD SW QUAD
0010	04+30.62	-	04+58.94	LT	48	AVALON RD NW QUAD
0010	18+13.45	-	18+56.56	RT	91	WATERLOO STREET SE QUAD
0010	18+73.61	-	19+06.58	RT	79	WATERLOO STREET NE QUAD
0010	33+84.00			LT	4	DRIVEWAY
0010	34+04.00			LT	4	DRIVEWAY
				TOTAL 0010	**273**	

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION	TO	STATION		SIDE	204.0155 REMOVING CONCRETE SIDEWALK SY
0010	04+37.00	-	08+97.00	NB	LT	267
0010	09+26.00	-	14+40.00	NB	LT	284
0010	14+69.00	-	22+26.00	NB	LT	416
0010	22+55.00	-	26+18.00	NB	LT	194
0010	26+49.00	-	36+26.25	NB	LT	543
0010	26+76.00	-	36+30.67	NB	RT	418
0010	36+72.00	-	40+16.00	NB	LT	168
0010	36+78.00	-	40+12.00	NB	RT	164
0010	40+52.00	-	49+86.00	NB	LT	420
0010	40+58.00	-	49+87.00	NB	RT	492
0010	69+58.00	-	70+45.00	EB	LT	45
					TOTAL 0010	**3410**

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REMOVING MANHOLES

CATEGORY	STATION		LOCATION	204.0210 REMOVING MANHOLES EACH	REMARKS
0010	17+65.00	NB	RT	1	
0010	34+48.00	NB	RT	1	TERRACE
0010	36+24.00	NB	LT	1	
0010	40+24.00	NB	LT	1	
0010	43+63.00	NB	LT	1	
0010	46+02.00	NB	RT	1	
			TOTAL 0010	**6**	

REMOVING INLETS

CATEGORY	STATION	TO	LOCATION	204.0220 REMOVING INLETS EACH	REMARKS
0010	18+95.00	NB	RT	1	WATERLOO ST NE DITCH
0010	34+34.00	NB	RT	1	TIFFANY APARTMENTS DRIVEWAY
0010	36+05.00	NB	LT	1	FOLSOM ST SW QUAD
0010	36+12.00	NB	RT	1	FOLSOM ST SE QUAD
0010	39+85.00	NB	LT	1	
0010	40+17.00	NB	RT	1	POET ST SE QUAD
0010	40+52.00	NB	RT	1	POET ST NE QUAD
0010	43+63.00	NB	LT & RT	2	
0010	46+02.00	NB	LT & RT	2	
			TOTAL 0010	**11**	

EARTHWORK SUMMARY

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) Cut (2)	205.0100 COMMON EXCAVATION (1) EBS Excavation (3)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (13) 1.33	MASS ORDINATE +/- (14)	WASTE	Comment:
Division 1										
STH 73	/70+44.59		869	0	869	1	1	869	869	
STH 89	69+38/49+92.93		18,988	0	18,988	689	917	18,071	18,071	
AVALON ROAD	02+47.34/09+80		77	0	77	0	1	77	77	
FOLSOM STREET	09+52.18/50+51.39		184	0	184	1	1	183	183	
FRONTAGE ROAD	49+47.32/39+81		137	0	137	0	0	137	137	
POET STREET	39+33.06/60+49.34		13	0	13	4	5	8	8	
WATERLOO STREET	59+47.83/30+81.16		193	0	193	35	46	147	147	
	UNDISTRIBUTED		0	9,709	9,709	0	0	9,709	9,709	10% OF AREA
Division 1 Subtotal			**20,463**	**9,709**	**30,173**	**730**	**971**	**29,202**	**29,202**	SEE NOTE 15
Grand Total			**20,463**	**9,709**	**30,173**	**730**	**971**	**29,202**	**29,202**	
	Total Common Exc			**30,173**						

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 Borrow material. Note: this is designers choice, can be backfilled with Borrow, or Cut as well.
(4) Salvaged/Unusable Pavement Material
5) Available Material = Cut - Salvaged/Unusuable Pavement Material
(6) Marsh Excavation - to be backfilled with Select Borrow Material. Note: this is designers choice, can be backfilled with Borrow, or Cut as well. Item number 205.0500
(7) Rock Excavation item number 205.0200
(8) Reduced Marsh in Fill - Excavated Marsh material is usuable in Fills outside the 1:1 slope. Marsh in Fill Reduction factor = 1
(9) Reduced EBS in Fill - Excavated EBS material is usuable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 1
(10) Expanded Marsh Backfill - This is to be filled with Select Borrow material. Marsh Backfill Factor = 1. Item number 208.1100
(11) Expanded EBS Backfill - This is to be filled with Select Borrow material. EBS Backfill Factor = 1. Item number 208.1100
(12) Expanded Rock Factor = 1
(13) Expanded Fill Factor = 1.33
Depending on selections: **Expanded Fill = (Unexpanded Fill - Expanded Rock - Reduced Marsh - Reduced EBS) * Fill Factor**
Or Expanded Fill = (Unexpanded Fill - Expanded Rock - Reduced EBS) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Expanded Rock - Reduced Marsh) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Expanded Rock) * Fill Factor
(14) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.
(15) Use 29202 CY of material from Division 1. Borrow Excavation item number 208.0100

FINISHING ROADWAY (PROJECT)

CATEGORY	LOCATION	213.0100 FINISHING ROADWAY (PROJECT) EACH	REMARKS
0010	PROJECT 3670-01-71	1	
	TOTAL 0010	**1**	

BASE AGGREGATE SUMMARY

CATEGORY	STATION	TO	STATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110 SELECT CRUSHED MATERIAL TON	624.0100 WATER MGAL	645.0220 GEOGRID TYPE SR SY	REMARKS
	STH 89 NB								
0010	02+93.03	-	03+63.77	13	98	185	4.1	293	MAINLINE AND SHOULDER
0010	03+63.77	-	04+59.51	17	145	276	6.1	436	MAINLINE AND SHOULDER
0010	04+42.00	-	36+29.00	509	-	-	7.1	-	SIDEWALK LT
0010	04+59.51	-	05+34.51	14	117	223	5.0	352	MAINLINE AND SHOULDER
0010	05+34.51	-	17+39.34	219	1830	3476	77.3	5489	MAINLINE AND SHOULDER
0010	05+43.00			-	-	0.6	-	-	FRENCH DRAINS
0010	07+93.00			-	-	0.6	-	-	FRENCH DRAINS
0010	10+43.00			-	-	0.6	-	-	FRENCH DRAINS
0010	12+93.00			-	-	0.6	-	-	FRENCH DRAINS
0010	15+43.00			-	-	0.6	-	-	FRENCH DRAINS
0010	17+39.34	-	18+14.34	14	124	235	5.2	371	MAINLINE AND SHOULDER
0010	18+14.34	-	18+89.60	-	96	244	4.8	-	MAINLINE AND SHOULDER
0010	18+14.34	-	18+89.60	-	17	42.4	0.8	-	PARKING LANES
0010	18+89.60	-	19+25.60	-	63	159	3.1	-	MAINLINE AND SHOULDER
0010	19+02.86	-	26+36.20	115	-	-	1.6	-	SIDEWALK RT
0010	19+25.60	-	26+09.49	-	887	2246	43.9	-	DRIVING LANES
0010	19+25.60	-	26+09.49	-	304	770.0	15.0	-	PARKING LANES
0010	26+09.49	-	26+99.52	-	122	308	6.0	-	MAINLINE AND SHOULDER
0010	26+09.49	-	26+99.52	-	20	50.7	1.0	-	PARKING LANES
0010	26+75.48	-	36+31.26	155	-	-	2.2	-	SIDEWALK RT
0010	26+99.52	-	35+82.94	-	1145	2901	56.6	-	DRIVING LANES
0010	26+99.52	-	35+82.94	-	393	994.7	19.4	-	PARKING LANES
0010	35+82.94	-	37+20.67	-	194	491	9.6	-	MAINLINE AND SHOULDER
0010	36+70.55	-	40+15.00	61	-	-	0.9	-	SIDEWALK LT
0010	36+77.96	-	40+14.61	59	-	-	0.8	-	SIDEWALK RT
0010	37+20.67	-	39+69.01	-	322	816	15.9	-	DRIVING LANES
0010	37+20.67	-	39+69.01	-	110	279.6	5.5	-	PARKING LANES
0010	39+69.01	-	41+00.79	-	185	470	9.2	-	MAINLINE AND SHOULDER
0010	40+46.89	-	49+90.11	150	-	-	2.1	-	SIDEWALK LT
0010	40+55.06	-	49+88.50	157	-	-	2.2	-	SIDEWALK RT
0010	41+00.79	-	43+80.00	-	362	917	17.9	-	DRIVING LANES
0010	41+00.79	-	43+80.00	-	124	314.4	6.1	-	PARKING LANES
0010	43+80.00	-	49+67.66	-	1023	2592	50.6	-	MAINLINE AND SHOULDER
	STH 73 EB								
0010	69+57.73	-	70+44.57	13	-	-	0.2	-	SIDEWALK LT
	SIDEROADS								
0010	AVALON ROAD			-	77	146	3.1	180	INTERSECTION MATCH
0010	WATERLOO STREET			-	115	291	5.7	-	INTERSECTION MATCH
0010	FRONTAGE ROAD			-	124	314	6.1	-	INTERSECTION MATCH
0010	FOLSOM STREET			-	131	332	6.5	-	INTERSECTION MATCH
0010	POET STREET			-	112	285	5.6	-	INTERSECTION MATCH
0010	STH 73			-	205	519	10.1	-	INTERSECTION MATCH
	UNDISTRIBUTED								
0010	EBS			-	-	1845	25.8	2913	
			TOTAL 0010	**1494**	**8444**	**21724**	**443.2**	**10034**	

CONCRETE DRIVEWAY 6-INCH

CATEGORY	STATION		LOCATION	416.0160 CONCRETE DRIVEWAY 6-INCH SY	REMARKS
0010	27+73.00	NB	DRIVEWAY RT	9	APRON ONLY
0010	28+42.00	NB	DRIVEWAY RT	29	
0010	28+67.00	NB	DRIVEWAY RT	8	APRON ONLY
0010	30+10.00	NB	DRIVEWAY RT	21	
0010	30+75.00	NB	DRIVEWAY RT	8	APRON ONLY
0010	31+41.00	NB	DRIVEWAY LT	18	APRON ONLY
0010	32+34.00	NB	DRIVEWAY RT	9	APRON ONLY
0010	32+88.00	NB	DRIVEWAY RT	14	
0010	32+99.00	NB	DRIVEWAY LT	18	
0010	33+41.00	NB	DRIVEWAY RT	14	APRON ONLY
0010	33+95.00	NB	DRIVEWAY LT	13	APRON ONLY
0010	34+31.00	NB	DRIVEWAY RT	11	APRON ONLY
0010	34+97.00	NB	DRIVEWAY RT	8	APRON ONLY
0010	35+50.00	NB	DRIVEWAY RT	8	APRON ONLY
0010	37+98.00	NB	DRIVEWAY LT	33	
0010	38+72.00	NB	DRIVEWAY LT	22	
0010	39+13.00	NB	DRIVEWAY RT	18	
0010	41+34.00	NB	DRIVEWAY LT	10	APRON ONLY
0010	41+89.00	NB	DRIVEWAY RT	18	
0010	42+68.00	NB	DRIVEWAY RT	8	APRON ONLY
0010	43+25.00	NB	DRIVEWAY LT	14	APRON ONLY
0010	43+54.00	NB	DRIVEWAY RT	19	
0010	44+69.00	NB	DRIVEWAY RT	10	APRON ONLY
0010	46+35.00	NB	DRIVEWAY RT	19	APRON ONLY
0010	46+55.00	NB	DRIVEWAY LT	22	APRON ONLY
0010	47+18.00	NB	DRIVEWAY RT	12	APRON ONLY
0010	47+48.00	NB	DRIVEWAY RT	8	APRON ONLY
0010	47+69.00	NB	DRIVEWAY LT	21	APRON ONLY
0010	48+20.00	NB	DRIVEWAY LT	62	
0010	48+31.00	NB	DRIVEWAY RT	12	APRON ONLY
0010	48+95.00	NB	DRIVEWAY LT	21	APRON ONLY
			TOTAL 0010	**518**	

DRILLED TIE BARS

CATEGORY	STATION		416.0610 DRILLED TIE BARS EACH	REMARKS
	STH 89			
0010	3+95.00	NB	2	AVALON RD SW QUAD CURB & GUTTER
0010	4+26.00	NB	2	AVALON RD NW CURB & GUTTER
0010	18+55.00	NB	2	WATERLOO ST SE QUAD CURB & GUTTER
0010	18+82.00	NB	2	WATERLOO ST NE QUAD CURB & GUTTER
0010	33+83.00	NB	2	DRIVEWAY CURB & GUTTER LT
0010	34+05.00	NB	2	DRIVEWAY CURB & GUTTER LT
0010	36+37.00	NB	2	FOLSOM ST SE QUAD CURB & GUTTER
0010	36+72+00	NB	2	FOLSOM ST NE QUAD CURB & GUTTER
0010	40+18.00	NB	2	POET ST SE QUAD CURB & GUTTER
0010	40+52.00	NB	2	POET ST NE QUAD CURB & GUTTER
	STH 73			
0010	69+55.00	EB	4	STH 73 CURB & GUTTER LT & RT
0010	70+44.00	EB	4	STH 73 CURB & GUTTER LT & RT
			TOTAL 0010 **28**	

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HMA SUMMARY

CATEGORY	STATION	TO	STATION		455.0605 TACK COAT GAL	460.4110.S REHEATING HMA PAVEMENT LONGITUDINAL JOINTS LF	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	REMARKS
	STH 89 NB							
0010	02+93.03	-	03+63.72	NB	12	-	56	MAINLINE AND SHOULDER
0010	03+63.72	-	04+59.57	NB	18	-	85	MAINLINE AND SHOULDER
0010	04+59.57	-	05+34.57	NB	15	-	69	MAINLINE AND SHOULDER
0010	05+34.57	-	17+40.43	NB	228	-	1066	MAINLINE AND SHOULDER
0010	17+40.43	-	18+15.43	NB	16	-	73	MAINLINE AND SHOULDER
0010	18+15.43	-	19+04.86	NB	18	179	84	MAINLINE AND SHOULDER
0010	19+04.86	-	19+25.60	NB	4	41	20	MAINLINE AND SHOULDER
0010	19+25.60	-	26+09.49	NB	99	1368	462	DRIVING LANES AND PARTIAL PARKING
0010	19+25.60	-	26+09.49	NB	46	-	213	PARKING LANES
0010	26+09.49	-	26+99.43	NB	19	180	89	MAINLINE AND SHOULDER
0010	26+99.43	-	35+87.67	NB	128	1776	600	DRIVING LANES AND PARTIAL PARKING
0010	26+99.43	-	35+87.67	NB	59	-	277	PARKING LANES
0010	35+87.67	-	37+18.52	NB	28	262	129	MAINLINE AND SHOULDER
0010	37+18.52	-	39+71.52	NB	37	506	171	DRIVING LANES AND PARTIAL PARKING
0010	37+18.52	-	39+71.52	NB	17	-	79	PARKING LANES
0010	39+71.52	-	40+87.91	NB	25	233	115	MAINLINE AND SHOULDER
0010	40+87.91	-	43+80.00	NB	42	584	197	DRIVING LANES AND PARTIAL PARKING
0010	40+87.91	-	43+80.00	NB	19	-	91	PARKING LANES
0010	43+80.00	-	49+67.50	NB	124	1175	580	MAINLINE AND SHOULDER
	SIDEROADS AND INTERSECTIONS							
0010	AVALON ROAD				8	-	39	
0010	WATERLOO STREET				12	-	55	
0010	FRONTAGE ROAD				9	-	43	
0010	FOLSOM STREET				16	-	73	
0010	POET STREET				13	-	62	
0010	STH 73				27	-	125	
				TOTAL 0010	**1038**	**6304**	**4856**	

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

465.0120
ASPHALTIC SURFACE DRIVEWAYS
AND FIELD ENTRANCES

CATEGORY	STATION	TO	STATION		LOCATION	TON	REMARKS
0010	3+65.56	-	4+53.12	NB	RT	28	
0010	8+67.40	-	9+56.33	NB	LT	33	
0010	13+65.64	-	14+42.02	NB	RT	28	
0010	14+04.34	-	15+15.36	NB	LT	40	
0010	22+21.75	-	22+57.86	NB	LT	25	
0010	26+18.31	-	26+54.79	NB	LT	8	
0010	26+56.44	-	26+73.44	NB	RT	4	DRIVEWAY ON FRONTAGE RD
0010	26+87.89	-	27+05.89	NB	RT	5	
0010	27+63.79	-	27+83.79	NB	RT	3	
0010	29+52.86	-	29+93.86	NB	LT	9	
0010	30+66.41	-	30+84.41	NB	RT	4	
0010	31+23.42	-	31+59.42	NB	LT	4	
0010	32+24.19	-	32+43.19	NB	RT	2	
0010	33+27.51	-	33+55.51	NB	RT	3	
0010	33+80.96	-	34+06.96	NB	LT	3	
0010	34+22.42	-	34+44.42	NB	RT	6	
0010	34+58.50	-	34+88.45	NB	LT	7	
0010	34+87.96	-	35+05.96	NB	RT	3	
0010	42+58.57	-	42+76.57	NB	RT	2	
0010	42+98.36	-	43+40.45	NB	LT	4	DRIVEWAY & PARKING LOT
0010	44+58.28	-	44+79.28	NB	RT	4	
0010	46+17.61	-	46+51.69	NB	RT	8	
0010	47+09.23	-	47+31.54	NB	RT	2	
0010	47+38.37	-	47+56.37	NB	RT	1	
0010	48+18.66	-	48+42.66	NB	RT	2	
0010	48+39.66	-	49+67.50	NB	RT	20	PARKING LOT
0010	48+77.84	-	49+18.84	NB	LT	5	
0010	49+35.72	-	49+70.72	NB		5	
					TOTAL 0010	**268**	

CONCRETE MASONRY ENDWALLS

504.0900
CONCRETE MASONRY
ENDWALLS

CATEGORY	STATION	CY	REMARKS
0010	42+53.00 NB	6	2nd Ward Creek LT
0010	42+64.00 NB	17	2nd Ward Creek RT
	TOTAL 0010	**24**	

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CULVERT SUMMARY

CATEGORY	FROM	TO	STATION	LOCATION	521.1015 APRON ENDWALLS FOR CULVERT PIPE STEEL 15-INCH EACH	521.1217 APRON ENDWALLS FOR PIPE ARCH STEEL 17X13-INCH EACH	521.1721 APRON ENDWALLS FOR PIPE ARCH SLOPED SIDE DRAINS STEEL 6 TO 1 21X15-INCH EACH	521.1735 APRON ENDWALLS FOR PIPE ARCH SLOPED SIDE DRAINS STEEL 6 TO 1 35X24-INCH EACH	521.3115 CULVERT PIPE CORRUGATED STEEL 15-INCH LF	521.3717 PIPE ARCH CORRUGATED STEEL 17X13-INCH LF	521.3721 PIPE ARCH CORRUGATED STEEL 21X15-INCH LF	521.3735 PIPE ARCH CORRUGATED STEEL 35X24-INCH LF
0010	08+56.51	-	08+59.98	SIDEWALK LT	--	2	--	--	--	12.5	--	--
0010	08+60.80	-	08+64.16	SIDEWALK LT	--	2	--	--	--	12.5	--	--
0010	08+70.07	-	09+54.96	DRIVEWAY LT	--	--	--	2	--	--	--	85
0010	12+80.00			CROSS PIPE	--	--	--	--	--	--	--	--
0010	13+87.88	-	14+24.88	DRIVEWAY RT	--	--	2	--	--	--	37	--
0010	17+19.78	-	18+12.89	SIDEWALK LT	2	--	--	--	100	--	--	--
0010	42+50.46	-	42+84.74	2ND WARD CREEK	--	--	--	--	--	--	--	--
0010	42+57.82	-	42+92.13	2ND WARD CREEK	--	--	--	--	--	--	--	--
0010	42+64.39	-	42+98.68	2ND WARD CREEK	--	--	--	--	--	--	--	--
				TOTAL 0010	**2**	**4**	**2**	**2**	**100**	**25**	**37**	**85**

3

CULVERT SUMMARY CONTINUED

CATEGORY	FROM	TO	STATION	LOCATION	522.2424 CULVERT PIPE REINF. CONC. HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH LF	522.2624 APRON ENDWALLS FOR CULVERT PIPE REINF. CONC. HORIZONTAL ELLIPTICAL 24X38-INCH EACH	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	SPV.0090.01 SPECIAL SMOOTH CORE CORREGATED METAL CULVERT PIPE ARCH 66X51-INCH LF	SPV.0090.02 SPECIAL SMOOTH CORE CORREGATED METAL CULVERT PIPE ARCH 53X41-INCH LF
0010	08+56.51	-	08+59.98	SIDEWALK LT	--	--	1	--	--
0010	08+60.80	-	08+64.16	SIDEWALK LT	--	--	1	--	--
0010	08+70.07	-	09+54.96	DRIVEWAY LT	--	--	1	--	--
0010	12+80.00			CROSS PIPE	51	2	1	--	--
0010	13+87.88	-	14+24.88	DRIVEWAY RT	--	--	1	--	--
0010	17+19.78	-	18+12.89	SIDEWALK LT	--	--	1	--	--
0010	42+50.46	-	42+84.74	2ND WARD CREEK	--	--	1	95	--
0010	42+57.82	-	42+92.13	2ND WARD CREEK	--	--	1	95	--
0010	42+64.39	-	42+98.68	2ND WARD CREEK	--	--	1	--	95
				TOTAL 0010	**51**	**2**	**9**	**190**	**95**

3

STORM SEWER STRUCTURE SUMMARY

CATEGORY	STRUCTURE	STATION	OFFSET		522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0606 INLET COVERS TYPE B EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0642 INLET COVERS TYPE MS EACH	RIM ELEVATION	INVERT ELEVATION	DEPTH FT
0010	10	03+40.00	26.50	RT	-	-	-	-	-	-	-	2	838.58	836.32	2.26
0010	11	03+68.00	29.3	LT	-	-	-	-	1	-	-	-	839.74	836.13	3.61
0010	12	03+87.00	30.2	LT	-	-	-	-	-	-	1	-	840.15	836.08	4.07
0010	13	04+36.00	31.2	LT	-	-	-	-	-	-	1	-	840.12	835.93	4.19
0010	14	05+17.00	40.5	LT	-	-	-	-	1	-	-	-	838.93	835.68	3.25
0010	15	05+63.00	35.3	LT	-	1	-	-	-	-	-	-	-	835.54	-
0010	64A	14+16.00	29.8	LT	-	1	-	-	-	-	-	-	-	832.80	-
0010	64	14+84.00	30.2	LT	-	-	-	1	-	-	-	-	835.86	833.00	2.86
0010	64B	14+86.00	49.6	LT	1	-	-	-	-	-	-	-	-	835.00	-
0010	64C	15+04.00	29.6	LT	-	1		-	-	-	-	-	-	833.22	-
0010	20	16+93.00	64	RT	-	-	1	-	-	-	-	-	-	830.18	-
0010	21	17+66.00	61.6	RT	-	-	-	1	-	-	-	-	834.54	830.41	4.13
0010	22	18+96.00	60.5	RT	-	-	-	-	1	-	-	-	835.17	830.80	4.37
0010	23	19+15.00	20.5	RT	-	-	-	-	-	-	1	-	839.09	833.34	5.75
0010	24	19+22.00	12	LT	-	-	-	1	-	-	-	-	839.28	833.82	5.46
0010	24A	19+22.00	20.5	LT	-	-	-	-	-	-	1	-	839.14	834.61	4.53
0010	25	21+50.00	12	LT	-	-	-	1	-	-	-	-	842.79	836.09	6.70
0010	25A	21+50.00	20.5	LT	-	-	-	-	-	-	1	-	842.65	837.10	5.55
0010	25B	21+50.00	20.5	RT	-	-	-	-	-	-	1	-	842.65	837.82	4.83
0010	26	24+50.00	12	LT	-	-	-	1	-	-	-	-	849.68	844.15	5.53
0010	26A	24+50.00	20.5	LT	-	-	-	-	-	-	1	-	849.54	844.94	4.60
0010	26B	24+50.00	20.5	RT	-	-	-	-	-	-	1	-	849.54	844.99	4.55
0010	27	26+81.00	12	LT	-	-	-	1	-	-	-	-	852.00	846.41	5.59
0010	27A	26+81.00	20.5	LT	-	-	-	-	-	-	1	-	851.86	847.23	4.63
0010	27B	26+81.00	20.5	RT	-	-	-	-	-	-	1	-	851.86	847.32	4.54
0010	28	27+80.00	12	LT	-	-	-	1	-	-	-	-	852.71	847.26	5.45
0010	28A	27+80.00	12	LT	-	-	-	-	-	-	1	-	852.51	848.03	4.48
0010	30	32+65.00	12	LT	-	-	-	1	-	-	-	-	852.55	846.61	5.94
0010	30A	32+65.00	20.5	LT	-	-	-	-	-	-	1	-	852.41	847.61	4.80
0010	30B	32+65.00	20.5	RT	-	-	-	-	-	-	1	-	852.41	847.78	4.63
		PAGE TOTAL			**1**	**3**	**1**	**8**	**3**	**0**	**13**	**2**			

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STORM SEWER STRUCTURE SUMMARY CONTINUED

					522.1012	522.1018	522.1030	611.0530	611.0606	611.0612	611.0624	611.0642			
					APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE			MANHOLE COVERS	INLET COVERS	INLET COVERS	INLET COVERS	INLET COVERS			
					12-INCH	18-INCH	30-INCH	TYPE J	TYPE B	TYPE C	TYPE H	TYPE MS	RIM	INVERT	DEPTH
CATEGORY	STRUCTURE	STATION	OFFSET		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	ELEVATION	ELEVATION	FT
0010	31	34+32.00	12	LT	-	-	-	1	-	-	-	-	851.55	846.11	5.44
0010	31A	34+32.00	37.6	RT	-	-	-	-	-	1	-	-	851.89	847.00	4.89
0010	32	36+03.00	12	LT	-	-	-	1	-	-	-	-	850.70	845.17	5.53
0010	32A	36+03.00	20.5	LT	-	-	-	-	-	-	1	-	850.56	845.94	4.62
0010	32B	36+03.00	20.5	RT	-	-	-	-	-	-	1	-	850.56	846.08	4.48
0010	33	39+88.00	12	LT	-	-	-	1	-	-	-	-	840.19	834.07	6.12
0010	33A	39+88.00	20.5	LT	-	-	-	-	-	-	1	-	839.98	835.07	4.91
0010	33B	39+88.00	20.5	RT	-	-	-	-	-	-	1	-	840.05	835.40	4.65
0010	34B	40+17.00	42	RT	-	-	-	-	-	-	1	-	838.92	834.41	4.51
0010	34A	40+53.00	41.3	RT	-	-	-	-	-	-	1	-	838.73	834.29	4.44
0010	34	40+60.00	12	LT	-	-	-	1	-	-	-	-	838.89	833.28	5.61
0010	35	42+50.00	12	LT	-	-	-	1	-	-	-	-	837.52	831.61	5.91
0010	35A	42+50.00	20.5	LT	-	-	-	-	-	-	1	-	837.32	832.89	4.43
0010	36	42+63.00	12	RT	-	-	-	1	-	-	-	-	837.45	831.47	5.98
0010	41	43+46.00	12	LT	-	-	-	1	-	-	-	-	837.10	830.98	6.12
0010	42	43+62.00	12	LT	-	-	-	1	-	-	-	-	837.09	831.56	5.53
0010	42A	43+62.00	20.5	LT	-	-	-	-	-	-	1	-	836.95	832.33	4.62
0010	42B	43+67.00	20.5	RT	-	-	-	-	-	-	1	-	836.95	832.41	4.54
0010	43	44+27.00	12	LT	-	-	-	1	-	-	-	-	837.29	831.76	5.53
0010	43A	44+27.00	34.1	LT	-	-	-	-	1	-	-	-	837.59	832.94	4.65
0010	43B	44+27.00	20.5	LT	-	-	-	-	-	-	1	-	837.09	832.53	4.56
0010	43C	44+27.00	20.5	RT	-	-	-	-	-	-	1	-	837.09	832.64	4.45
0010	44	45+41.00	7.3	LT	-	-	-	1	-	-	-	-	837.95	832.10	5.85
0010	45	46+84.00	7.3	LT	-	-	-	1	-	-	-	-	838.67	832.51	6.16
0010	45A	46+84.00	20.5	LT	-	-	-	-	-	-	1	-	838.43	833.66	4.77
0010	45B	46+84.00	20.5	RT	-	-	-	-	-	-	1	-	838.91	834.09	4.82
0010	46	47+61.00	12	LT	-	-	-	1	-	-	-	-	839.26	833.26	6.00
0010	47	49+65.00	12	LT	-	-	-	1	-	-	-	-	846.54	841.13	5.41
0010	47A	49+65.00	20.5	LT	-	-	-	-	-	-	1	-	847.80	842.53	5.27
		PAGE TOTAL			**0**	**0**	**0**	**13**	**1**	**1**	**14**	**0**			
		TOTAL 0010			**1**	**3**	**1**	**21**	**4**	**1**	**27**	**2**			

3

3

STORM SEWER STRUCTURE SUMMARY CONTINUED

CATEGORY	STRUCTURE	STATION	OFFSET		611.1005 CATCH BASIN 5 FT DIAMETER EACH	611.1006 CATCH BASIN 6 FT DIAMETER EACH	611.2004 MANHOLES 4 FT DIAMETER EACH	611.2005 MANHOLES 5 FT DIAMETER EACH	611.3004 INLETS 4 FT DIAMETER EACH	611.3230 INLETS 2X3 FEET EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	RIM ELEVATION	INVERT ELEVATION	DEPTH FT
0010	10	03+40.00	26.50	RT	-	-	-	-	-	-	1	1	838.58	836.32	2.26
0010	11	03+68.00	29.3	LT	-	-	-	-	1	-	-	1	839.74	836.13	3.61
0010	12	03+87.00	30.2	LT	-	-	-	-	1	-	-	1	840.15	836.08	4.07
0010	13	04+36.00	31.2	LT	-	-	-	-	1	-	-	1	840.12	835.93	4.19
0010	14	05+17.00	40.5	LT	-	-	-	-	1	-	-	1	838.93	835.68	3.25
0010	15	05+63.00	35.3	LT	-	-	-	-	-	-	-	1	-	835.54	-
0010	64A	14+16.00	29.8	LT	-	-	-	-	-	-	-	1	-	832.80	-
0010	64	14+84.00	30.2	LT	-	-	1	-	-	-	-	1	835.86	833.00	2.86
0010	64B	14+86.00	49.6	LT	-	-	-	-	-	-	-	1	-	835.00	-
0010	64C	15+04.00	29.6	LT	-	-	-	-	-	-	-	1	-	833.22	-
0010	20	16+93.00	64	RT	-	-	-	-	-	-	-	1	-	830.18	-
0010	21	17+66.00	61.6	RT	-	-	-	1	-	-	-	1	834.54	830.41	4.13
0010	22	18+96.00	60.5	RT	-	1	-	-	-	-	-	1	835.17	830.80	4.37
0010	23	19+15.00	20.5	RT	1	-	-	1	-	-	-	1	839.09	833.34	5.75
0010	24	19+22.00	12	LT	-	-	-	1	-	-	-	1	839.28	833.82	5.46
0010	24A	19+22.00	20.5	LT	-	-	-	-	-	1	-	1	839.14	834.61	4.53
0010	25	21+50.00	12	LT	-	-	-	1	-	-	-	1	842.79	836.09	6.70
0010	25A	21+50.00	20.5	LT	-	-	-	-	-	1	-	1	842.65	837.10	5.55
0010	25B	21+50.00	20.5	RT	-	-	-	-	-	1	-	1	842.65	837.82	4.83
0010	26	24+50.00	12	LT	-	-	-	1	-	-	-	1	849.68	844.15	5.53
0010	26A	24+50.00	20.5	LT	-	-	-	-	-	1	-	1	849.54	844.94	4.60
0010	26B	24+50.00	20.5	RT	-	-	-	-	-	1	-	1	849.54	844.99	4.55
0010	27	26+81.00	12	LT	-	-	-	1	-	-	-	1	852.00	846.41	5.59
0010	27A	26+81.00	20.5	LT	-	-	-	-	-	1	-	1	851.86	847.23	4.63
0010	27B	26+81.00	20.5	RT	-	-	-	-	-	1	-	1	851.86	847.32	4.54
0010	28	27+80.00	12	LT	-	-	-	1	-	-	-	1	852.71	847.26	5.45
0010	28A	27+80.00	12	LT	-	-	-	-	-	1	-	1	852.51	848.03	4.48
0010	30	32+65.00	12	LT	-	-	-	1	-	-	-	1	852.55	846.61	5.94
0010	30A	32+65.00	20.5	LT	-	-	-	-	-	1	-	1	852.41	847.61	4.80
0010	30B	32+65.00	20.5	RT	-	-	-	-	-	1	-	1	852.41	847.78	4.63
		PAGE TOTAL			**1**	**1**	**1**	**8**	**4**	**10**	**1**	**30**			

3

STORM SEWER STRUCTURE SUMMARY CONTINUED

CATEGORY	STRUCTURE	STATION	OFFSET		611.1005 CATCH BASIN 5 FT DIAMETER EACH	611.1006 CATCH BASIN 6 FT DIAMETER EACH	611.2004 MANHOLES 4 FT DIAMETER EACH	611.2005 MANHOLES 5 FT DIAMETER EACH	611.3004 INLETS 4 FT DIAMETER EACH	611.3230 INLETS 2X3 FEET EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	RIM ELEVATION	INVERT ELEVATION	DEPTH FT
0010	31	34+32.00	12	LT	-	-	-	1	-	-	-	1	851.55	846.11	5.44
0010	31A	34+32.00	37.6	RT	-	-	-	-	1	-	-	1	851.89	847.00	4.89
0010	32	36+03.00	12	LT	-	-	-	1	-	-	-	1	850.70	845.17	5.53
0010	32A	36+03.00	20.5	LT	-	-	-	-	-	1	-	1	850.56	845.94	4.62
0010	32B	36+03.00	20.5	RT	-	-	-	-	-	1	-	1	850.56	846.08	4.48
0010	33	39+88.00	12	LT	-	-	-	1	-	-	-	1	840.19	834.07	6.12
0010	33A	39+88.00	20.5	LT	-	-	-	-	-	1	-	1	839.98	835.07	4.91
0010	33B	39+88.00	20.5	RT	-	-	-	-	-	1	-	1	840.05	835.40	4.65
0010	34B	40+17.00	42	RT	-	-	-	-	-	1	-	1	838.92	834.41	4.51
0010	34A	40+53.00	41.3	RT	-	-	-	-	1	-	-	1	838.73	834.29	4.44
0010	34	40+60.00	12	LT	-	-	-	1	-	-	-	1	838.89	833.28	5.61
0010	35	42+50.00	12	LT	-	-	-	-	-	1	-	1	837.52	831.61	5.91
0010	35A	42+50.00	20.5	LT	-	-	-	-	-	1	-	1	837.32	832.89	4.43
0010	36	42+63.00	12	RT	-	-	-	1	-	-	-	1	837.45	831.47	5.98
0010	41	43+46.00	12	LT	-	-	-	1	-	-	-	1	837.10	830.98	6.12
0010	42	43+62.00	12	LT	-	-	-	1	-	-	-	1	837.09	831.56	5.53
0010	42A	43+62.00	20.5	LT	-	-	-	-	-	1	-	1	836.95	832.33	4.62
0010	42B	43+67.00	20.5	RT	-	-	-	-	-	1	-	1	836.95	832.41	4.54
0010	43	44+27.00	12	LT	-	-	-	1	-	-	-	1	837.29	831.76	5.53
0010	43A	44+27.00	34.1	LT	-	-	-	-	1	-	-	1	837.59	832.94	4.65
0010	43B	44+27.00	20.5	LT	-	-	-	-	-	1	-	1	837.09	832.53	4.56
0010	43C	44+27.00	20.5	RT	-	-	-	-	-	1	-	1	837.09	832.64	4.45
0010	44	45+41.00	7.3	LT	-	-	1	-	-	-	-	1	837.95	832.10	5.85
0010	45	46+84.00	7.3	LT	-	-	-	1	-	-	-	1	838.67	832.51	6.16
0010	45A	46+84.00	20.5	LT	-	-	-	-	-	1	-	1	838.43	833.66	4.77
0010	45B	46+84.00	20.5	RT	-	-	-	-	-	1	-	1	838.91	834.09	4.82
0010	46	47+61.00	12	LT	-	-	1	-	-	-	-	1	839.26	833.26	6.00
0010	47	49+65.00	12	LT	-	-	-	1	-	-	-	1	846.54	841.13	5.41
0010	47A	49+65.00	20.5	LT	-	-	-	-	1	-	-	1	847.80	842.53	5.27
		PAGE TOTAL			**0**	**0**	**2**	**10**	**4**	**13**	**0**	**29**			
		TOTAL 0010			**1**	**1**	**3**	**18**	**8**	**23**	**1**	**59**			

CONCRETE SIDEWALK/CURB & GUTTER SUMMARY

CATEGORY	STATION		TO	STATION		LOCATION	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0415 CONCRETE SIDEWALK 6-INCH SF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	REMARKS
0010	03+63.72	NB	-	09+52.18	AV	LT	44	-	-	44	AVALON RD SW QUAD
0010	09+49.39	AV		08+97.36	NB	LT	-	2335	-	-	
0010	09+52.18	AV	-	04+59.54	NB	LT	44	-	-	44	AVALON RD NW QUAD
0010	08+97.36	NB	-	09+26.37	NB	LT	-	-	145	-	SIDEWALK IN DRIVEWAY
0010	09+26.37	NB	-	14+39.24	NB	LT	-	2564	-	-	
0010	14+39.24	NB	-	14+68.96	NB	LT	-	-	149	-	SIDEWALK IN DRIVEWAY
0010	14+68.96	NB	-	18+15.43	NB	LT	-	1658	-	-	
0010	18+15.43	NB	-	22+23.08	NB	LT	408	2063	-	408	
0010	18+15.43	NB	-	30+81.16	WAT	RT	87	-	-	87	WATERLOO ST SE QUAD
0010	30+82.13	WAT	-	19+04.86	NB	RT	70	-	-	70	WATERLOO ST NE QUAD
0010	19+04.86	NB	-	26+29.49	NB	RT	725	3703	-	725	
0010	22+23.08	NB	-	22+55.08	NB	LT	32	-	160	32	SIDEWALK IN DRIVEWAY
0010	22+55.08	NB	-	26+17.47	NB	LT	362	1812	-	362	
0010	26+17.47	NB		26+48.47	NB	LT	31	-	155	31	SIDEWALK IN DRIVEWAY
0010	26+29.49	NB	-	39+33.42	FR	RT	24	-	-	24	FRONTAGE RD SE QUAD
0010	26+48.47	NB		29+55.86	NB	LT	307	1737	-	307	
0010	39+62.12	FR	-	26+79.43	NB	RT	27	-	-	27	FRONTAGE RD NE QUAD
0010	26+79.43	NB	-	26+90.89	NB	RT	11	87	-	11	
0010	26+90.89	NB	-	27+02.89	NB	RT	12	-	60	12	SIDEWALK IN DRIVEWAY
0010	27+02.89	NB	-	27+66.79	NB	RT	64	320	-	64	
0010	27+66.79	NB	-	27+80.79	NB	RT	14	-	70	14	SIDEWALK IN DRIVEWAY
0010	27+80.79	NB	-	28+34.31	NB	RT	54	268	-	54	
0010	28+34.31	NB	-	28+50.31	NB	RT	16	-	80	16	SIDEWALK IN DRIVEWAY
0010	28+50.31	NB	-	28+61.73	NB	RT	11	57	-	11	
0010	28+61.73	NB	-	28+73.73	NB	RT	12	-	60	12	SIDEWALK IN DRIVEWAY
0010	28+73.73	NB	-	30+04.36	NB	RT	131	694	-	131	
0010	29+55.86	NB	-	29+90.86	NB	LT	35	-	175	35	SIDEWALK IN DRIVEWAY
0010	29+90.86	NB	-	31+26.42	NB	LT	136	678	-	136	
0010	30+04.36	NB	-	30+16.36	NB	RT	12	-	60	12	SIDEWALK IN DRIVEWAY
0010	30+16.36	NB	-	30+69.41	NB	RT	53	280	-	53	
0010	30+69.41	NB	-	30+81.41	NB	RT	12	-	60	12	SIDEWALK IN DRIVEWAY
0010	30+81.41	NB	-	32+27.19	NB	RT	146	809	-	146	
0010	31+26.42	NB	-	31+56.42	NB	LT	30	-	150	30	SIDEWALK IN DRIVEWAY
0010	31+56.42	NB	-	32+91.67	NB	LT	135	676	-	135	
0010	32+27.19	NB	-	32+40.19	NB	RT	13	-	65	13	SIDEWALK IN DRIVEWAY
0010	32+40.19	NB	-	32+83.12	NB	RT	43	243	-	43	
0010	32+83.12	NB	-	32+95.12	NB	RT	12	-	60	12	SIDEWALK IN DRIVEWAY
0010	32+91.67	NB	-	33+06.67	NB	LT	15	-	75	15	SIDEWALK IN DRIVEWAY
0010	32+95.12	NB	-	33+30.51	NB	RT	35	177	-	35	
0010	33+06.67	NB	-	33+83.98	NB	LT	77	474	-	77	
0010	33+30.51	NB	-	33+52.51	NB	RT	22	-	110	22	SIDEWALK IN DRIVEWAY
0010	33+52.51	NB	-	34+25.42	NB	RT	73	365	-	73	
0010	33+83.98	NB	-	34+03.96	NB	LT	20	-	100	20	SIDEWALK IN DRIVEWAY
0010	34+03.96	NB	-	34+61.49	NB	LT	58	338	-	58	
0010	34+25.42	NB	-	34+41.42	NB	RT	16	-	80	16	SIDEWALK IN DRIVEWAY
0010	34+41.42	NB	-	34+90.96	NB	RT	50	248	-	50	
0010	34+61.49	NB	-	34+85.51	NB	LT	24	-	120	24	SIDEWALK IN DRIVEWAY
0010	34+85.51	NB	-	36+02.94	NB	LT	117	621	-	117	
0010	34+90.96	NB	-	35+02.96	NB	RT	12	-	60	12	SIDEWALK IN DRIVEWAY
0010	35+02.96	NB	-	35+43.80	NB	RT	41	204	-	41	
						PAGE TOTAL	**3671**	**22410**	**1994**	**3671**	

CONCRETE SIDEWALK/CURB & GUTTER SUMMARY CONTINUED

CATEGORY	STATION	TO	STATION	LOCATION	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0415 CONCRETE SIDEWALK 6-INCH SF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	REMARKS
0010	35+43.80 NB	-	35+55.80 NB	RT	12	-	60	12	SIDEWALK IN DRIVEWAY
0010	35+55.80 NB	-	36+08.56 NB	RT	53	264	-	53	
0010	36+02.94 NB	-	49+47.32 FO	LT	46	265	-	46	FOLSOM ST SW QUAD
0010	36+08.56 NB	-	50+51.39 FO	RT	47	174	-	47	FOLSOM ST SE QUAD
0010	49+47.32 FO	-	36+93.27 NB	LT	49	188	-	49	FOLSOM ST NW QUAD
0010	50+51.39 FO	-	37+00.67 NB	RT	46	191	-	46	FOLSOM ST NE QUAD
0010	36+93.27 NB	-	37+84.00 NB	LT	91	498	-	91	
0010	37+00.67 NB	-	39+07.63 NB	RT	207	1035	-	207	
0010	37+84.00 NB	-	38+12.01 NB	LT	28	-	140	28	SIDEWALK IN DRIVEWAY
0010	38+12.01 NB	-	38+63.68 NB	LT	52	258	-	52	
0010	38+63.68 NB	-	38+81.68 NB	LT	18	-	90	18	SIDEWALK IN DRIVEWAY
0010	38+81.68 NB	-	39+89.36 NB	LT	108	572	-	108	
0010	39+07.63 NB	-	39+21.63 NB	RT	14	-	70	14	SIDEWALK IN DRIVEWAY
0010	39+21.63 NB	-	39+89.01 NB	RT	67	379	-	67	
0010	39+89.01 NB	-	60+48.94 PO	RT	45	256	-	45	POET ST SE QUAD
0010	39+89.36 NB	-	59+47.83 PO	LT	46	263	-	46	POET ST SW QUAD
0010	59+47.83 PO	-	40+69.60 NB	LT	48	187	-	48	POET ST NW QUAD
0010	60+48.94 PO	-	40+80.79 NB	RT	43	193	-	43	POET ST NE QUAD
0010	40+69.60 NB	-	41+26.87 NB	LT	57	306	-	57	
0010	40+80.79 NB	-	41+82.82 NB	RT	102	510	-	102	
0010	41+26.87 NB	-	41+41.87 NB	LT	15	-	75	15	SIDEWALK IN DRIVEWAY
0010	41+41.87 NB	-	43+14.45 NB	LT	173	863	-	173	
0010	41+82.82 NB	-	41+96.82 NB	RT	14	-	70	14	SIDEWALK IN DRIVEWAY
0010	41+96.82 NB	-	42+61.57 NB	RT	65	355	-	65	
0010	42+61.57 NB	-	42+73.57 NB	RT	12	-	60	12	SIDEWALK IN DRIVEWAY
0010	42+73.57 NB	-	43+46.43 NB	RT	73	364	-	73	
0010	43+14.45 NB	-	43+37.45 NB	LT	23	-	115	23	SIDEWALK IN DRIVEWAY
0010	43+37.45 NB	-	46+35.36 NB	LT	298	1490	-	298	
0010	43+46.43 NB	-	43+62.43 NB	RT	16	-	80	16	SIDEWALK IN DRIVEWAY
0010	43+62.43 NB	-	44+61.28 NB	RT	99	494	-	99	
0010	44+61.28 NB	-	44+76.28 NB	RT	15	-	75	15	SIDEWALK IN DRIVEWAY
0010	44+76.28 NB	-	46+20.61 NB	RT	144	764	-	144	
0010	46+20.61 NB	-	46+48.69 NB	RT	28	-	140	28	SIDEWALK IN DRIVEWAY
0010	46+35.36 NB	-	46+74.47 NB	LT	39	-	196	39	SIDEWALK IN DRIVEWAY
0010	46+48.69 NB	-	47+12.23 NB	RT	64	362	-	64	
0010	46+74.47 NB	-	47+50.20 NB	LT	76	379	-	76	
0010	47+12.23 NB	-	47+28.54 NB	RT	16	-	82	16	SIDEWALK IN DRIVEWAY
0010	47+28.54 NB	-	47+41.37 NB	RT	13	64	-	13	
0010	47+41.37 NB	-	47+53.37 NB	RT	12	-	60	12	SIDEWALK IN DRIVEWAY
0010	47+50.20 NB	-	47+85.20 NB	LT	35	-	175	35	SIDEWALK IN DRIVEWAY
0010	47+53.37 NB	-	48+21.66 NB	RT	68	371	-	68	
0010	47+85.20 NB	-	47+95.17 NB	LT	10	50	-	10	
0010	47+95.17 NB	-	48+41.20 NB	LT	46	-	238	46	SIDEWALK IN DRIVEWAY
0010	48+21.66 NB	-	48+39.66 NB	RT	18	-	90	18	SIDEWALK IN DRIVEWAY
0010	48+39.66 NB	-	49+67.50 NB	RT	128	639	-	128	
0010	48+41.20 NB	-	48+80.84 NB	LT	40	218	-	40	
0010	48+80.84 NB	-	49+15.84 NB	LT	35	-	175	35	SIDEWALK IN DRIVEWAY
0010	49+15.84 NB	-	49+67.45 NB	LT	52	258	-	52	
0010	49+67.45 NB	-	69+54.89 EB	RT	37	246	-	37	STH 73 SW QUAD
0010	49+67.50 NB	-	70+44.58 EB	RT	37	213	-	37	STH 73 SE QUAD
0010	69+55.02 EB		70+44.58 EB	LT	90	402	-	90	STH 73 LT
				PAGE TOTAL	**2967**	**13071**	**1991**	**2967**	
				PROJECT TOTAL 0010	**6637**	**35481**	**3984**	**6637**	

CURB RAMP SUMMARY

CATEGORY	LOCATION	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	REMARKS
0010	WATERLOO ST NW QUAD	10	-	1	CURB RAMP 1
0010	WATERLOO ST NE QUAD	10	-	1	CURB RAMP 2
0010	FRONTAGE RD SE QUAD	10	-	1	CURB RAMP 3
0010	FRONTAGE RD NE QUAD	10	-	1	CURB RAMP 4
0010	SCHOOL CROSSING	10	-	1	CURB RAMP 5
0010	FOLSOM ST SW QUAD	10	15.6	2	CURB RAMP 6
0010	FOLSOM ST SE QUAD	10	15.6	2	CURB RAMP 7
0010	FOLSOM ST NW QUAD	10	15.6	2	CURB RAMP 8
0010	FOLSOM ST NE QUAD	10	15.6	2	CURB RAMP 9
0010	POET ST SW QUAD	10	15.6	2	CURB RAMP 10
0010	POET ST SE QUAD	20	--	2	CURB RAMP 11
0010	POET NW QUAD	10	15.6	2	CURB RAMP 12
0010	POET NE QUAD	20	--	2	CURB RAMP 13
0010	STH73 SW QUAD	10	--	1	CURB RAMP 14
0010	STH 73 SE QUAD	10	--	1	CURB RAMP 15
0010	STH 7S NW QUAD	10	--	1	CURB RAMP 16
0010	STH 73 NE QUAD	10	--	1	CURB RAMP 17
	TOTAL 0010	**190**	**94**	**25**	

RIPRAP SUMMARY

CATEGORY	STATION	TO	STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	606.0300 RIPRAP HEAVY CY	645.0120 GEOTEXTILE TYPE HR SY	REMARKS
0010	08+56.39	-	08+66.91	NB	4	-	11	CULVERT OUTLET LT
0010	09+58.25		09+66.25	NB	4	-	11	CULVERT OUTLET LT
0010	12+73.00		12+87.00	NB	5	-	16	CULVERT OUTFAILL RT
0010	14+04.63		14+10.63	NB	2	-	5	CULVERT OUTFALL LT
0010	42+36.00	-	42+73.00	NB	-	20	40	2ND WARD CREEK INLET
0010	42+76.00	-	43+15.00	NB	-	21	42	2ND WARD CREEK OUTLET
				TOTAL 0010	**14**	**41**	**124**	

STORM SEWER PIPE SUMMARY

					608.0312	608.0315	608.0318	608.0324	608.0330			
					STORM SEWER PIPE REINFORCED CONCRETE CLASS III							
					12-INCH	15-INCH	18-INCH	24-INCH	30-INCH	INLET	DISCHARGE	SLOPE
CATEGORY	STATION	TO	STATION	LOCATION	LF	LF	LF	LF	LF	ELEVATION	ELEVATION	FT/FT
0010	10	-	11	NB	-	-	62	-	-	836.320	836.130	-0.003
0010	11	-	12	NB	-	-	20	-	-	836.130	836.080	-0.002
0010	12	-	13	NB	-	-	48	-	-	836.080	835.930	-0.003
0010	13	-	14	NB	-	-	82	-	-	835.930	835.680	-0.003
0010	14	-	15	NB	-	-	46	-	-	835.680	835.540	-0.003
0010	64	-	64A	NB	-	-	67	-	-	833.000	832.800	0.003
0010	64B	-	64	NB	20	-	-	-	-	835.000	833.500	0.075
0010	64C	-	64	NB	-	-	19	-	-	833.220	833.000	0.012
0010	20	-	21	NB	-	-	-	-	75	830.410	830.180	0.003
0010	21	-	22	NB	-	-	-	-	130	830.800	830.410	0.003
0010	22	-	23	NB	-	-	-	44	-	833.340	831.300	0.046
0010	23	-	24	NB	-	-	-	33	-	833.820	833.340	0.015
0010	24	-	24A	NB	-	9	-	-	-	834.610	834.570	0.004
0010	24	-	25	NB	-	-	-	228	-	836.090	833.820	0.010
0010	25	-	25A	NB	-	9	-	-	-	837.100	836.840	0.029
0010	25	-	25B	NB	-	33	-	-	-	837.820	836.840	0.030
0010	25	-	26	NB	-	-	-	300	-	844.150	836.090	0.027
0010	26	-	26A	NB	-	9	-	-	-	844.940	844.900	0.004
0010	26	-	26B	NB	-	33	-	-	-	844.990	844.900	0.003
0010	26	-	27	NB	-	-	-	231	-	846.410	844.150	0.010
0010	27	-	27A	NB	-	9	-	-	-	847.230	847.160	0.008
0010	27	-	27B	NB	-	33	-	-	-	847.320	847.160	0.005
0010	27	-	28	NB	-	-	-	99	-	847.260	846.410	0.009
0010	28	-	28A	NB	-	9	-	-	-	848.030	848.010	0.002
0010	30A	-	30	NB	-	9	-	-	-	847.610	847.360	-0.028
0010	30B	-	30	NB	-	33	-	-	-	847.780	847.360	-0.013
0010	30	-	31	NB	-	-	-	167	-	846.610	846.110	-0.003
0010	31A	-	31	NB	-	50	-	-	-	847.000	846.860	-0.003
0010	31	-	32	NB	-	-	-	171	-	846.110	845.170	-0.005
0010	32A	-	32	NB	-	9	-	-	-	845.940	845.920	-0.002
0010	32B	-	32	NB	-	33	-	-	-	846.010	845.920	-0.003
0010	32	-	33	NB	-	-	-	385	-	845.170	834.070	-0.029
0010	33A	-	33	NB	-	9	-	-	-	835.070	834.820	-0.028
0010	33B	-	33	NB	-	33	-	-	-	835.400	834.820	-0.018
0010	33	-	34	NB	-	-	-	72	-	834.070	833.280	-0.011
0010	34B	-	34A	NB	-	37	-	-	-	834.410	834.290	-0.003
0010	34A	-	34	NB	-	54	-	-	-	834.290	834.030	-0.005
0010	34	-	35	NB	-	-	-	190	-	833.280	832.110	-0.006
0010	35A	-	35	NB	-	9	-	-	-	832.890	832.860	-0.003
0010	35	-	36	NB	-	-	-	-	27	831.610	831.470	-0.005
0010	36	-	37	NB	-	-	-	-	38	831.470	831.280	-0.005
0010	40	-	41	NB	-	-	-	-	74	830.980	830.000	0.013
0010	41	-	42	NB	-	-	-	16	-	831.560	831.480	0.005
0010	42	-	42A	NB	-	9	-	-	-	832.330	832.310	0.002
0010	42	-	42B	NB	-	33	-	-	-	832.410	832.310	0.003
0010	42	-	43	NB	-	-	-	65	-	831.760	831.560	0.003
0010	43	-	43B	NB	-	9	-	-	-	832.530	832.510	0.002
0010	43B	-	43A	NB	-	14	-	-	-	832.940	832.530	0.029
0010	43	-	43C	NB	-	33	-	-	-	832.640	832.510	0.004
0010	43	-	44	NB	-	-	-	113	-	832.100	831.760	0.003
0010	44	-	45	NB	-	-	-	138	-	832.510	832.100	0.003
0010	45	-	45A	NB	-	13	-	-	-	833.660	833.260	0.031
0010	45	-	45B	NB	-	28	-	-	-	834.090	833.260	0.030
0010	45	-	46	NB	-	-	-	75	-	833.260	832.510	0.010
0010	46	-	47	NB	-	-	-	204	204	841.130	833.260	0.019
0010	47	-	47A	NB	-	40	-	-	-	842.530	841.880	0.016
				TOTAL 0010	**20**	**599**	**344**	**2531**	**548**			

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ADJUSTING MANHOLE COVERS

CATEGORY	STATION	LOCATION	611.8110 ADJUSTING MANHOLE COVERS EACH
0010	40+32.00	RT	1
0010	42+93.00	RT	1
0010	43+12.00	RT	1
0010	48+12.00	RT	1
		TOTAL 0010	**4**

MAINTENANCE AND REPAIR OF HAUL ROADS

CATEGORY	LOCATION	618.0100 MAINTENANCE AND REPAIR OF HAUL ROADS EACH
0010	PROJECT 3670-01-71	1
	TOTAL 0010	**1**

MOBILIZATION

CATEGORY	LOCATION	619.1000 MOBILIZATION EACH
0010	PROJECT 3670-01-71	1
	TOTAL 0010	**1**

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LANDSCAPING SUMMARY

CATEGORY	STATION	TO	STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY
	STH 89										
0010	02+47.00	-	03+91.00	LT	239	239	0.15	4	6	-	-
0010	02+93.00		03+87.00	RT	141	141	0.09	3	4	-	-
0010	04+16.00	-	13+98.00	RT	869	869	0.55	16	23	-	-
0010	04+33.00	-	08+98.00	LT	1198	1198	0.76	22	32	-	-
0010	09+28.00	-	14+40.00	LT	1544	1544	0.97	28	42	-	-
0010	14+23.00	-	18+54.00	RT	666	666	0.42	12	18	-	-
0010	14+70.00	-	22+40.00	LT	1771	1771	1.12	32	48	5	223
0010	18+76.00	-	26+35.00	RT	636	636	0.40	11	17	9	401
0010	22+55.00	-	36+30.00	LT	-	-	-	-	-	24	1083
0010	26+30.00	-	36+36.00	RT	-	-	-	-	-	19	837
0010	36+65.00	-	40+17.00	LT	-	-	-	-	-	6	273
0010	36+73.00	-	40+17.00	RT	-	-	-	-	-	7	324
0010	40+42.00	-	49+90.00	LT	59	59	0.04	1	2	16	714
0010	40+53.00	-	49+90.00	RT	98	98	0.06	2	3	17	760
	STH 73										
0010	69+55.00	-	70+45.00	LT	-	-	-	-	-	2	78
	UNDISTRIBUTED				722	722	0.45	13	19	11	469
				TOTAL 0010	**7941**	**7941**	**5.00**	**143**	**214**	**116**	**5163**

EROSION CONTROL SUMMARY

CATEGORY	STATION	TO STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	REMARKS
	STH 89										
0010	03+39.00		RT	-	-	1	-	-	-	-	
0010	03+68.00		LT	-	-	1	-	-	-	-	
0010	03+87.00		LT	-	-	1	-	1	-	-	INSTALL TYPE A WITH INLET
0010	04+14.00	- 13+99.00	RT	1012	1012	-	-	-	-	-	
0010	04+35.00		LT	-	-	1	-	1	-	-	INSTALL TYPE A WITH INLET
0010	05+17.00		LT	-	-	1	-	-	-	2	PIPE CHECK EXISTING PIPE
0010	06+85.00		LT	-	-	-	-	-	10	-	
0010	08+55.00		LT	-	-	-	-	-	-	12	EXIST AND NEW PIPE
0010	08+70.00		LT	-	-	-	-	-	-	4	NEW PIPE
0010	08+90.00		LT	-	-	-	-	-	-	4	EXISTING PIPE
0010	09+82.00		LT	-	-	-	-	-	10	-	
0010	12+79.00		LT	-	-	-	-	-	-	12	EXIST AND NEW PIPE
0010	14+20.00	- 18+50.00	RT	514	514	-	-	-	-	-	
0010	14+24.00		RT	-	-	-	-	-	-	4	EXIST AND NEW PIPE
0010	14+85.00		LT	-	-	-	-	-	-	2	EXIST AND NEW PIPE
0010	15+12.00		LT	-	-	-	-	-	-	4	NEW PIPE
0010	16+26.00		LT	-	-	-	-	-	-	4	EXISTING PIPE
0010	16+51.00		LT	-	-	-	-	-	10	-	
0010	18+15.00		LT	-	-	-	-	-	-	4	NEW PIPE
0010	18+95.00		RT	-	-	2	-	-	-	-	EXIST AND NEW INLETS
0010	19+04.00	- 23+03.00	RT	400	400	-	-	-	10	-	
0010	19+14.00		RT	-	-	1	-	1	-	-	AFTER INLET INSTALL
0010	19+22.00		LT	-	-	1	-	1	-	-	AFTER INLET INSTALL
0010	21+50.00		LT & RT	-	-	2	-	2	-	-	AFTER INLET INSTALL
0010	24+50.00		LT & RT	-	-	2	-	2	-	-	AFTER INLET INSTALL
0010	26+44.00	- 27+62.00	LT	125	125	-	-	-	-	-	
0010	26+80.00		LT & RT	-	-	2	-	2	-	-	AFTER INLET INSTALL
0010	27+67.00	- 29+56.00	LT	196	196	-	-	-	-	-	
0010	27+80.00		LT	-	-	1	-	1	-	-	AFTER INLET INSTALL
0010	29+91.00	- 31+26.00	LT	136	136	-	-	-	-	-	
0010	31+56.00	- 32+92.00	LT	136	136	-	-	-	-	-	
0010	32+65.00		LT & RT	-	-	2	-	2	-	-	AFTER INLET INSTALL
0010	34+32.00		RT	-	-	-	2	-	-	-	EXIST AND NEW INLETS
0010	36+02.00		LT & RT	-	-	2	-	4	-	-	EXIST INLET AND NEW INLETS
0010	39+86.00		LT & RT	-	-	2	-	3	-	-	EXIST INLET AND NEW INLETS
0010	40+16.00		RT	-	-	1	-	2	-	-	EXIST INLET AND NEW INLETS
0010	40+53.00		RT	-	-	1	-	2	-	-	EXIST INLET AND NEW INLETS
0010	41+43.00	- 42+98.00	LT	171	171	-	-	-	-	-	
0010	42+50.00		LT	-	-	1	-	1	-	-	AFTER INLET INSTALL
0010	42+73.00	- 43+47.00	RT	100	100	-	-	-	-	-	
0010	43+62.00		LT	-	-	1	-	2	-	-	EXIST INLET AND NEW INLETS
0010	43+65.00		RT	-	-	1	-	2	-	-	EXIST INLET AND NEW INLETS
0010	44+26.00		LT & RT	-	-	3	-	2	-	-	AFTER INLET INSTALL
0010	46+02.00		LT & RT	-	-	2	-	2	-	-	EXISTING INLETS
0010	46+83.00		LT & RT	-	-	2	-	2	-	-	AFTER INLET INSTALL
0010	49+92.00		LT	-	-	1	-	1	-	-	AFTER INLET INSTALL
	UNDISTRIBUTED			279	279	4	-	4	40	5	
			TOTAL 0010	**3069**	**3069**	**39**	**2**	**40**	**80**	**57**	

3

EROSION CONTROL MOBILIZATIONS

CATEGORY	STATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	PROJECT 3670-01-71	5	3
	TOTAL 0010	**5**	**3**

MARKERS CULVERT END

CATEGORY	STATION	LOCATION	633.5200 MARKERS CULVERT END EACH
	STH 89		
0010	05+65.00	LT	1
0010	08+67.00	LT	2
0010	08+90.00	LT	1
0010	09+55.00	LT	1
0010	12+80.00	LT & RT	2
0010	13+87.00	LT & RT	2
0010	14+12.00	LT	1
0010	14+25.00	RT	1
0010	14+86.00	LT	1
0010	15+09.00	LT	1
0010	16+89.00	RT	1
0010	17+18.00	LT	1
0010	18+13.00	LT	1
	TOTAL 0010		**16**

SIGNING SUMMARY

CATEGORY	STATION	SIDE	LOCATION	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
	STH 89					
0010	03+55.00	NB RT		2	1	SCHOOL ZONE
0010	03+85.00	NB LT	AVALON RD	1	1	STOP SIGN
0010	05+17.00	NB RT		1	1	SCHOOL SPEED
0010	05+17.00	NB LT		1	1	SPEED LIMIT 25
0010	07+00.00	NB LT		1	1	END SCHOOL ZONE
0010	07+76.00	NB LT		2	1	ROUTE DESIGNATION
0010	15+21.00	NB LT		1	1	SCHOOL SPEED
0010	15+72.00	NB RT		1	2	COLUMBUS POP.
0010	16+70.00	NB LT		2	1	SCHOOL AHEAD/SPEED/FINE
0010	17+00.00	NB RT		2	1	SCHOOL/SPEED/FINE
0010	17+81.00	NB LT		1	1	SPEED LIMIT
0010	17+81.00	NB RT		1	1	SPEED LIMIT
0010	18+82.00	NB RT		1	1	STOP
0010	19+60.00	NB LT		3	1	SCHOOL SPEED LIMIT
0010	20+16.00	NB LT		1	1	ADOPT A HIGHWAY
0010	20+75.00	NB RT		2	1	ROUTE DESIGNATION
0010	24+58.00	NB RT		1	1	SPEED LIMIT
0010	25+21.00	NB LT		1	1	SPEED LIMIT
0010	31+78.00	NB LT		1	1	SPEED LIMIT
0010	32+98.00	NB RT		1	--	SPEED LIMIT ON UTILITY POLE
0010	36+29.00	NB LT	FOLSOM STREET	1	1	STOP SIGN
0010	36+75.00	NB RT	FOLSOM STREET	1	1	STOP SIGN
0010	40+15.00	NB LT	POET STREET	1	1	STOP SIGN
0010	40+56.00	NB RT	POET STREET	1	1	STOP SIGN
0010	41+00.00	NB LT		1	1	SPEED LIMIT
0010	41+60.00	NB RT		1	1	ROUTE DESIGNATION
0010	49+28.00	NB LT		1	1	ROUTE DESIGNATION
0010	49+72.00	NB RT		1	1	STOP
0010	49+87.00	NB RT	STH 73	1	1	TURN ASSEMBLY
0010	49+87.00	NB LT	STH 73	1	1	SCHOOL ZONE
0010	70+00.00	EB LT	STH 73	1	2	TURN ASSEMBLY
0010	70+21.00	EB LT	STH 73	2	1	TURN ASSEMBLY/SCHOOL ZONE
			TOTAL 0010	**40**	**33**	

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TRAFFIC CONTROL SUMMARY

CATEGORY	STATION TO STATION	APPROX. SERVICE PERIOD DAYS	643.0300 DRUMS NO.	643.0300 DRUMS DAY	643.0410 BARRICADES TYPE II NO.	643.0410 BARRICADES TYPE II DAY	643.0420 BARRICADES TYPE III NO.	643.0420 BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A NO.	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 WARNING LIGHTS TYPE C NO.	643.0715 WARNING LIGHTS TYPE C DAY	643.0900 SIGNS NO.	643.0900 SIGNS DAY	643.0920 COVERING SIGNS TYPE II EACH	643.1050 SIGNS PCMS NO.	643.1050 SIGNS PCMS DAY	REMARKS
0010	SOUTH PROJECT LIMITS	95	-	-	-	-	5	475	10	950	-	-	8	760	--	1	14	
0010	42+75.00	14	-	-	2	28	4	56	8	112	-	-	3	42	-	-	-	CULVERT PIPE REPLACEMENT
0010	43+10.00	14	-	-	2	28	4	56	8	112	-	-	3	42	-	-	-	CULVERT PIPE REPLACEMENT
0010	NORTH PROJECT LIMITS	95	12	1140	4	380	7	665	14	1330	3	285	17	1615	4	1	14	COVER SIGNS CONFLICTING WITH DETOUR
0010	AVALON ROAD	95	-	-	1	95	4	380	8	760	-	-	5	475	-	-	-	
0010	WATERLOO STREET	95	-	-	-	-	2	190	4	380	-	-	4	380	-	-	-	
0010	FRONTAGE ROAD	95	-	-	-	-	-	-	-	-	-	-	1	95	-	-	-	
0010	FOLSOM STREET	95	-	-	2	190	4	380	8	760	-	-	10	950	-	-	-	
0010	POET STREET	95	-	-	3	285	4	380	8	760	-	-	11	1045	-	-	-	
0010	STAGE 1 DETOUR	95	--	--	N/A	N/A	--	--	--	--	--	--	144	13680	8	--	--	COVER SIGNS CONFLICTING WITH DETOURS
0010	STAGE 1A DETOUR	14	--	--	N/A	N/A	--	--	--	--	--	--	393	5502	4	--	--	COVER SIGNS CONFLICTING WITH DETOURS
	TOTAL 0010	150		**1140**		**1006**		**2582**		**5164**		**285**		**24586**	**16**		**28**	

TEMPORARY PEDESTRIAN SUMMARY

CATEGORY	STATION	TO	STATION	LOCATION	644.1420.S TEMPORARY PEDESTRIAN SURFACE PLYWOOD SF	644.1430.S TEMPORARY PEDESTRIAN SURFACE PLATE SF	644.1601.S TEMPORARY CURB RAMP EACH	644.1616.S TEMPORARY PEDESTRIAN SAFETY FENCE LF
WEST SIDEWALK OPEN								
0010	04+40.00	-	36+45.00 NB	LT	-	304	1	3022
0010	26+70.00	-	36+45.00 NB	RT	-	688	2	128
0010	36+45.00	-	40+27.00 NB	LT	-	592	1	450
0010	36+45.00	-	40+27.00 NB	RT	-	496	3	200
0010	40+27.00	-	49+86.00 NB	LT	-	512	-	808
0010	40+27.00	-	49+86.00 NB	RT	-	640	1	48
0010	68+00.00	-	72+25.00 EB	LT	-	64	2	192
0010	68+00.00	-	72+25.00 EB	RT	-	64	2	88
EAST SIDEWALK OPEN					-			
0010	04+40.00	-	36+45.00 NB	LT	-	224	-	-
0010	26+70.00	-	36+45.00 NB	RT	-	-	-	698
0010	36+45.00	-	40+27.00 NB	LT	-	160	-	-
0010	36+45.00	-	40+27.00 NB	RT	-	-	-	278
0010	40+27.00	-	49+86.00 NB	LT	-	192	-	-
0010	40+27.00	-	49+86.00 NB	RT	-	-	-	820
0010	UNDISTRIBUTED				100	394	2	673
				TOTAL 0010	**100**	**4330**	**14**	**7405**

PAVEMENT MARKING SUMMARY

CATEGORY	STATION	TO	STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH LF	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8120 MARKING CURB EPOXY LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH LF	REMARKS
0010	02+93.03	-	03+63.72		283	-	-	-	-	CENTER AND EDGELINES
0010	03+63.72	-	04+59.54		287	-	-	-	-	CENTER AND RT EDGELINE
0010	04+59.54	-	18+15.43		5424	-	-	-	-	CENTER AND EDGELINES
0010	18+15.43	-	19+04.60		178	-	-	-	-	CENTERLINE
0010	18+89.87	-	19+25.60	LT	-	-	-	36	-	
0010	19+09.86	-	19+25.60	RT	-	-	-	16	-	
0010	19+10.60	-	36+06.97		3393	-	-	-	-	CENTERLINE
0010	26+09.47	-	26+29.47	RT	-	-	-	20	-	
0010	26+79.43	-	26+90.89	RT	-	-	-	11	-	
0010	35+82.94	-	36+02.94	LT	-	-	-	20	-	
0010	35+91.97	-	36+07.61	RT	-	-	-	16	-	
0010	36+97.26		37+13.00	LT	-	-	-	16	-	
0010	36+98.00	-	39+92.24		588	-	-	-	-	CENTERLINE
0010	37+00.67		37+20.67	RT	-	-	-	20	-	
0010	39+69.01		39+89.01	RT	-	-	-	20	-	
0010	39+69.36		39+89.36	LT	-	-	-	20	-	
0010	40+72.70		40+87.92	LT	-	-	-	15	-	
0010	40+72.91	-	49+68.83		1792	-	-	-	-	CENTERLINE
0010	40+80.79		41+00.79	RT	-	-	-	20	-	
0010	43+80.00		49+67.45	LT & RT	-	-	-	930	-	
0010	AVALON ROAD				-	23	-	-	-	
0010	WATERLOO STREET				-	20	76	-	-	
0010	FRONTAGE ROAD				-	17	70		-	
0010	FOLSOM STREET				-	38	348	-	-	
0010	POET STREET				-	31	312	-	-	
0010	STH 73				-	20	273	90	30	
				TOTAL 0010	**11945**	**149**	**1079**	**1250**	**30**	

CONSTRUCTION STAKING SUMMARY

CATEGORY	STATION	TO	STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.8500 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS LS	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL LS	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
0010	02+93.03	-	49+67.66	STH 89 NB	4675	4675	1	1	4675
0010	69+55.02	-	70+44.58	STH 73 EB	90	90	-	-	90
				TOTAL 0010	**4764**	**4764**	**1**	**1**	**4764**

LIGHTING SUMMARY

CATEGORY	STATION	TO	STATION	LOCATION	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	654.0105 CONCRETE BASES TYPE 5 EACH	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30 EACH	655.0124 CABLE IN DUCT 3-4 AWG LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG LF	656.0200 ELECTRICAL SERVICE METER BREAKER PEDESTAL LS	657.0255 TRANSFORMER BASES BREAKAWAY 11.5-INCH BOLT CIRCLE EACH	657.0322 POLE TYPE 5 ALUMINUM EACH	657.0620 LUMINAIRE ARMS SINGLE MEMBER 6-INCH CLAMP 4-FT EACH	659.1115 LUMINAIRES UTILITY LED A EACH	659.2230 LIGHTING CONTROL CABINETS 240/480 30-INCH EACH
0010	PROJECT 3670-01-01				341	48	1	4340	5616	1023	1	48	48	48	48	1
0010																
0010																
				TOTAL 0010	**341**	**48**	**1**	**4340**	**5616**	**1023**	**1**	**48**	**48**	**48**	**48**	**1**

SAWING SUMMARY

CATEGORY	STATION	TO	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
0010	02+93.03			NB	23	--	SOUTH PROJECT LIMITS
0010	03+85.27	-	04+20.39	NB	36	--	DRIVEWAY RT
0010	04+41.80	-	04+46.65	NB	4	--	SIDEWALK LT
0010	08+96.23	-	09+24.31	NB	29	--	DRIVEWAY LT
0010	13+92.28	-	14+19.37	NB	26	--	DRIVEWAY RT
0010	14+40.57	-	14+73.14	NB	29	--	DRIVEWAY LT
0010	22+26.09	-	22+59.68	NB	34	--	DRIVEWAY LT
0010	26+10.72	-	26+39.28	NB	29	--	DRIVEWAY LT
0010	26+29.36	-	26+29.38	NB	24	--	FRONTAGE ROAD RT
0010	26+60.25	-	26+76.69	NB	13	--	DRIVEWAY RT
0010	26+91.35	-	27+03.03	NB	12	--	DRIVEWAY RT
0010	27+62.44	-	27+67.41	NB	--	5	SIDEWALK LT
0010	27+67.77	-	27+79.14	NB	11		DRIVEWAY RT
0010	27+34.51	-	27+51.02	NB	--	17	DRIVEWAY RT
0010	27+78.48	-	27+82.49	NB	--	4	SIDEWALK RT
0010	29+54.34	-	29+93.16	NB	39	--	DRIVEWAY LT
0010	30+05.82	-	30+15.88	NB	--	10	DRIVEWAY RT
0010	30+41.20	-	30+43.85	NB	--	3	SIDEWALK RT
0010	30+70.78	-	30+80.65	NB	10	--	DRIVEWAY RT
0010	31+22.72	-	31+25.36	NB	--	3	SIDEWALK RT
0010	31+22.83	-	31+55.62	NB	33	--	DRIVEWAY LT
0010	32+02.19	-	32+05.35	NB	--	3	SIDEWALK RT
0010	32+28.22	-	32+39.24	NB	11	--	DRIVEWAY RT
0010	32+67.80	-	32+72.09	NB	--	3	SIDEWALK RT
0010	32+85.27	-	32+93.93	NB	9	--	DRIVEWAY RT
0010	32+91.01	-	33+06.30	NB	--	15	DRIVEWAY LT
0010	33+18.29	-	33+22.53	NB	--	4	SIDEWALK LT
0010	33+26.81	-	33+53.01	NB	26	--	DRIVEWAY RT
0010	33+56.31	-	33+61.22	NB	--	5	SIDEWALK LT
0010	33+80.94	-	34+06.05	NB	25	--	PARKING LOT LT
0010	34+24.59	-	34+41.17	NB	17	--	DRIVEWAY RT
0010	34+26.09	-	34+31.14	NB		5	SIDEWALK LT
0010	34+61.12	-	34+86.10	NB	25	--	DRIVEWAY LT
0010	34+92.09	-	35+02.39	NB	10	--	DRIVEWAY RT
0010	35+50.54	-	35+53.71	NB	--	3	SIDEWALK LT
0010	36+24.10	-	36+28.30	NB	--	4	SIDEWALK LT
0010	36+83.14	-	36+87.18	NB	--	4	SIDEWALK RT
0010	35+25.00	-	35+28.16	NB	--	3	SIDEWALK LT
0010	37+83.38	-	38+12.22	NB	29	--	DRIVEWAY LT
0010	38+63.12	-	38+81.39	NB	--	18	DRIVEWAY LT
0010	39+07.55	-	39+26.86	NB	--	19	DRIVEWAY RT
0010	39+10.36	-	39+13.47	NB	--	3	SIDEWALK LT
0010	39+67.97	-	39+70.70	NB	--	3	SIDEWALK RT
0010	39+77.16	-	39+81.00	NB	--	4	SIDEWALK LT
0010	40+08.65	-	40+12.31	NB	--	4	SIDEWALK RT
0010	40+10.81	-	40+14.64	NB	--	4	SIDEWALK LT
0010	40+60.06	-	40+63.95	NB	--	4	SIDEWALK RT
0010	40+80.81	-	40+84.82	NB	--	4	SIDEWALK LT
0010	41+82.64	-	42+01.20	NB	--	19	DRIVEWAY RT
0010	42+43.62	-	42+47.02	NB	--	3	SIDEWALK RT
0010	42+63.32	-	42+73.67	NB	10	--	DRIVEWAY RT
0010	42+98.37	-	43+83.88	NB	85	--	PARKING LOT LT
0010	43+46.31	-	43+62.56	NB	--	16	DRIVEWAY RT
0010	44+60.65	-	44+75.66	NB	15	--	DRIVEWAY RT
0010	45+81.13	-	45+85.04	NB	--	4	SIDEWALK RT
0010	46+17.84	-	46+45.21	NB	30	--	DRIVEWAY RT
0010	46+82.40	-	46+85.21	NB	--	3	SIDEWALK RT
0010	47+11.78	-	47+27.86	NB	18	--	DRIVEWAY RT
0010	47+43.59	-	47+54.95	NB	10	--	DRIVEWAY RT
0010	47+85.13	-	47+88.69	NB	--	3	SIDEWALK RT
0010	47+93.89	-	48+23.49	NB	--	32	DRIVEWAY LT
0010	48+21.61	-	48+41.09	NB	--	18	DRIVEWAY RT
0010	48+41.09	-	48+87.50	NB	--	47	PARKING LOT RT
0010	48+74.23	-	49+31.92	NB	58	--	DRIVEWAY LT
0010	48+74.23	-	49+31.92	NB	--	58	DRIVEWAY LT
0010	48+87.50	-	49+79.88	NB	93	--	PARKING LOT RT
0010	49+79.88	-	49+84.53	NB	--	4	SIDEWALK LT
0010	49+79.88	-	49+85.40	NB	--	4	SIDEWALK RT
0010	69+54.98			EB	-	45	PROJECT LIMITS
0010	69+57.74			EB	-	4	SIDEWALK LT
0010	70+44.58			EB	-	45	PROJECT LIMITS
0010	70+44.58			EB	-	4	SIDEWALK LT
0010	AVALON ROAD				36	5	PROJECT LIMITS
0010	WATERLOO STREET				32	5	PROJECT LIMITS
0010	EAST FOLSOM STREET				32	5	PROJECT LIMITS
0010	WEST FOLSOM STREET				36	-	PROJECT LIMITS
0010	EAST POET STREET				36	5	PROJECT LIMITS
0010	WEST POET STREET				20	-	PROJECT LIMITS
				TOTAL 0010	**1014**	**484**	

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SPECIAL(03. PIPE UNDERDRAIN (6-INCH) WITH GEOTEXTILE FABRIC AND AGGREGATE)

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0090.03 Special Pipe Underdrain (6-Inch) With Geotextile Fabric And Aggregate LF	REMARKS
0010	03+63.72	-	04+12.08	LT	66	AVALON ROAD SW QUAD
0010	04+12.08	-	04+59.54	LT	66	AVALON ROAD NW QUAD
0010	18+72.35	-	19+72.35	LT	100	
0010	18+76.37	-	19+65.00	RT	132	WATERLOO STREET NE QUAD
0010	42+00.00	-	43+00.00	LT	100	
0010	43+11.88		44+11.88	LT	100	
0010	43+17.43	-	44+17.43	RT	100	
0010	44+11.88	-	44+77.31	LT	66	
0010	44+17.43	-	44+77.31	RT	60	
				TOTAL 0010	**790**	

WATER PIPE AND FITTINGS CATEGORY 0020								
				SPV.0090.233	SPV.0090.234	SPV.0090.235	SPV.0090.236	SPV.0090.237	SPV.0060.259
				4-INCH WATER MAIN-GRANULAR BACKFILL	6-INCH WATER MAIN-GRANULAR BACKFILL	8-INCH WATER MAIN-GRANULAR BACKFILL	10-INCH WATER MAIN-GRANULAR BACKFILL	12-INCH WATER MAIN-GRANULAR BACKFILL	DUCTILE IRON PIPE NITRILE GASKET
STATION	TO	STATION	LOCATION						
			TOTALS=						

WATER MAIN OR WATER SERVICE INSULATION CATEGORY 0020				
				SPV.0090.255
				PIPE INSULATION
STATION	TO	STATION	LOCATION	LF
			TOTALS =	

WATER MAIN VALVES AND FLUSHING ASSEMBLY CATEGORY 0020								
			SPV.0060.238	SPV.0060.239	SPV.0060.240	SPV.0060.241	SPV.0060.242	SPV.0060.262
			4-INCH	6-INCH	8-INCH	10-INCH	12-INCH	2-INCH FLUSHING ASSEMBLY
STATION	LOCATION	OFFSET	EACH	EACH	EACH	EACH	EACH	EACH

WATER MAIN ABANDONMENT					
CATEGORY 0020					
			SPV.0060.256	SPV.0060.257	SPV.0060.258
			ABANDON WATER MAIN (CUT OFF)	ABANDON WATER VALVE BOX	ABANDON HYDRANT
STATION	LOCATION	OFFSET	EACH	EACH	EACH

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OTWGB:
OPEN TRENCH WITH
GRANULAR BACKFILL

WATER SERVICES CATEGORY 0020											
			SPV.0090.246	SPV.0060.247	SPV.0060.248	SPV.0090.249	SPV.0060.250	SPV.0060.251	SPV.0090.252	SPV.0060.253	SPV.0060.254
			1-INCH WATER SERVICE (OTWGB)	1-INCH TAP AND CORPORATION VALVE	1-INCH CURB VALVE AND CURB BOX	1 1/2-INCH WATER SERVICE (OTWGB)	1 1/2-INCH TAP AND CORPORATION VALVE	1 1/2-INCH CURB VALVE AND CURB BOX	2-INCH WATER SERVICE (OTWGB)	2-INCH TAP AND CORPORATION VALVE	2-INCH CURB VALVE AND CURB BOX
STATION	LOCATION	OFFSET	LF	EACH	EACH	LF	EACH	EACH	LF	EACH	EACH

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CONTINUED ON PREVIOUS PAGE

OTWGB:
OPEN TRENCH WITH GRANULAR BACKFILL

WATER SERVICES CATEGORY 0020											
			SPV.0090.246	SPV.0060.247	SPV.0060.248	SPV.0090.249	SPV.0060.250	SPV.0060.251	SPV.0090.252	SPV.0060.253	SPV.0060.254
			1-INCH WATER SERVICE (OTWGB)	1-INCH TAP AND CORPORATION VALVE	1-INCH CURB VALVE AND CURB BOX	1 1/2-INCH WATER SERVICE (OTWGB)	1 1/2-INCH TAP AND CORPORATION VALVE	1 1/2-INCH CURB VALVE AND CURB BOX	2-INCH WATER SERVICE (OTWGB)	2-INCH TAP AND CORPORATION VALVE	2-INCH CURB VALVE AND CURB BOX
STATION	LOCATION	OFFSET	LF	EACH	EACH	LF	EACH	EACH	LF	EACH	EACH
		TOTALS =									

SEWER PIPE CATEGORY 0010										
				SPV.0090.201	SPV.0090.202	SPV.0090.203	SPV.0090.204	SPV.0090.205	SPV.0090.206	SPV.0090.220
				8-INCH SANITARY SEWER-GRANULAR BACKFILL	8-INCH SANITARY SEWER RELAY-GRANULAR BACKFILL	8-INCH SANITARY SEWER-SPOIL BACKFILL	10-INCH SANITARY SEWER-GRANULAR BACKFILL	10-INCH SANITARY SEWER RELAY-GRANULAR BACKFILL	18-INCH SANITARY SEWER RELAY-GRANULAR BACKFILL	6-INCH SEWAGE FORCE MAIN-GRANULAR BACKFILL
STATION	TO	STATION	LOCATION	LF	LF	LF	LF	LF	LF	LF
			TOTALS =							

SANITARY SEWER PIPE ABANDONMENT CATEGORY 0010					
				SPV.0090.221	SPV.0090.222
				ABANDON SANITARY SEWER 8-INCH	ABANDON SANITARY SEWER 10-INCH
STATION	TO	STATION	LOCATION	LF	LF
			TOTALS =		

SANITARY MANHOLES CATEGORY 0010									
			SPV.0200.207	SPV.0200.208	SPV.0200.209	SPV.0200.210	SPV.0200.211	SPV.0200.212	SPV.0060.227
			NEW 48-INCH SANITARY SEWER MANHOLE	NEW 48-INCH SANITARY SEWER MANHOLE (O.D.)	NEW 84-INCH SANITARY SEWER MANHOLE	48-INCH SANITARY SEWER MANHOLE REPLACEMENT	48-INCH SANITARY SEWER MANHOLE REPLACEMENT (O.D.)	60-INCH SANITARY SEWER MANHOLE REPLACEMENT (O.D.)	EPOXY COATING IN SANITARY SEWER MANHOLE
STATION	LOCATION	OFFSET	VF	VF	VF	VF	VF	VF	EACH
		TOTALS =							

2

SANITARY SEWER LATERALS

CATEGORY 0010

STATION	LOCATION	OFFSET	SPV.0090.213 6-INCH SANITARY SEWER LATERAL LF	SPV.0090.214 4-INCH SANITARY SEWER LATERAL EXTENSION LF	SPV.0090.215 6-INCH SANITARY SEWER LATERAL EXTENSION LF	SPV.0060.216 REPLACE SANITARY LATERAL SADDLE TEE EACH	SPV.0060.217 NEW SANITARY LATERAL HUB CONNECTION EACH	SPV.0060.218 SANITARY LATERAL CIPP EACH	SPV.0060.219 SANITARY SEWER LATERAL CLEANOUT EACH

SANITARY SEWER LATERALS

CATEGORY 0010

STATION	LOCATION	OFFSET	SPV.0090.213 6-INCH SANITARY SEWER LATERAL LF	SPV.0090.214 4-INCH SANITARY SEWER LATERAL EXTENSION LF	SPV.0090.215 6-INCH SANITARY SEWER LATERAL EXTENSION LF	SPV.0060.216 REPLACE SANITARY LATERAL SADDLE TEE EACH	SPV.0060.217 NEW SANITARY LATERAL HUB CONNECTION EACH	SPV.0060.218 SANITARY LATERAL CIPP EACH	SPV.0060.219 SANITARY SEWER LATERAL CLEANOUT EACH
	TOTALS =								

2

PROJECT NO: 3670-01-72 | HWY: STH 89 | COUNTY: COLUMBIA | MISCELLANEOUS QUANTITIES | SHEET 7

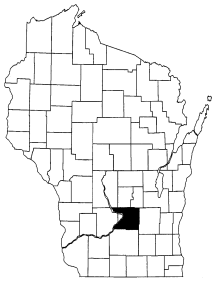
PRE_149

E

CATEGORY 0010						
				SPV.0180.233	SPV.0195.234	SPV.0195.235
				ASPHALTIC PAVEMENT REMOVAL	1 3/4-INCH ASPHALTIC CONCRETE BINDER COURSE	1 3/4-INCH ASPHALTIC CONCRETE SURFACE COURSE
STATION	TO	STATION	LOCATION	SY	TON	TON
			TOTALS =			

SANITARY APPURTENANCE ABANDONMENT AND ADJUSTMENT						
CATEGORY 0010						
			SPV.0060.223	SPV.0060.224	SPV.0105.225	SPV.0060.226
			ABANDON SANITARY SEWER MANHOLE	ABANDON SEWAGE FORCE MAIN (CUT OFF)	ABANDON SEWAGE LIFT STATION	ADJUST SANITARY SEWER MANHOLE
STATION	LOCATION	OFFSET	EACH	EACH	LS	EACH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
3670-01-21
CITY OF COLUMBUS, FARNHAM STREET
0.32MI S OF AVALON RD TO PARK AVE
STH 89
COLUMBIA COUNTY



CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
TO BE REMOVED
BRIDGE

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE	■	□
TELEPHONE POLE	●	○
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	▲	△

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER (25)
UTILITY NUMBER (40)
PARALLEL OFFSETS

CONVENTIONAL ABBREVIATIONS

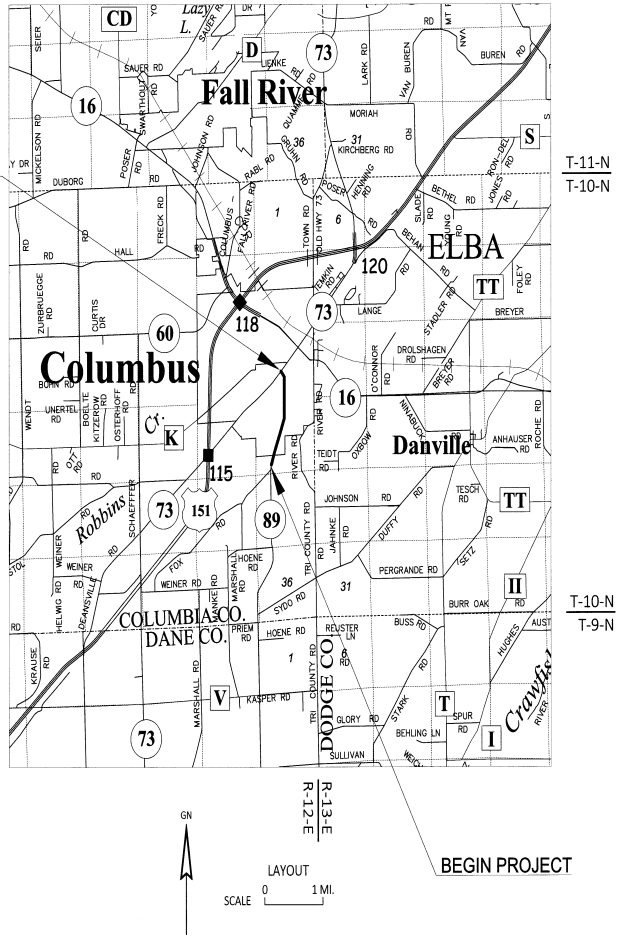
ACCESS POINT/ DRIVEWAY CONNECTION	AP	RELEASE OF RIGHTS	ROR
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	V.
DOCUMENT	DOC.		
EASEMENT	EASE.		
HIGHWAY EASEMENT	H.E.		
LAND CONTRACT	LC		
MONUMENT	MON.		
PAGE	P.		
PERMANENT LIMITED EASEMENT	PLE		
PROPERTY LINE	P.L.		
RECORDED AS	(100')		
REFERENCE LINE	R/L		

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

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	DELTA
LENGTH OF CURVE	L
TANGENT	TAN
LEFT	LT
RIGHT	RT



THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 3670-01-21.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), COLUMBIA COUNTY, NAD 83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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

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

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

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

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

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

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

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 89 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECTS: KESTREL RIDGE, CALWELL'S ADDITION, CSM 3979, CSM 3982, CSM 3983, DOC. 725390.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 89 ESTABLISHED FROM PREVIOUS PROJECTS T0247(2) PLAN & PROFILE, KESTREL RIDGE, CALDWELL'S ADDITION, FARNHAM AND COMPANYS ADDITION TO THE CITY OF COLUMBUS, ASSESSOR'S RE-PLAT OF PORTIONS OF THE CITY OF COLUMBUS, D THING'S ADDITION, COLUMBUS OUTLOTS, PLAT OF SURVEY 10050, PLAT OF SURVEY 8175, PLAT OF SURVEY 4517, PLAT OF SURVEY 4519, PLAT OF SURVEY 4518, PLAT OF SURVEY 7174, PLAT OF SURVEY 7177, PLAT OF SURVEY 14761, PLAT OF SURVEY 12263, PLAT OF SURVEY 4408, PLAT OF SURVEY 13118, PLAT OF SURVEY 7231, PLAT OF SURVEY 13728, CSM 3979, CSM 3982, CSM 3983, CSM 4401, CSM 2143, CSM 3176, CSM 2537, AND THE EXISTING CENTERLINE, AND/OR SECTION, QUARTER, OR 16TH LINES.

EXISTING HIGHWAY RIGHT-OF-WAY FOR AVALON ROAD ESTABLISHED FROM PREVIOUS PROJECTS KESTREL RIDGE, CSM 3143, & CENTERLINE OF EXISTING PAVEMENTS.

EXISTING HIGHWAY RIGHT-OF-WAY FOR WATERLOO STREET ESTABLISHED FROM PREVIOUS PROJECTS CALDWELL'S ADDITION, CSM 4401, & CENTERLINE OF EXISTING PAVEMENTS.

EXISTING HIGHWAY RIGHT-OF-WAY FOR FOLSOM STREET ESTABLISHED FROM PREVIOUS PROJECTS FARNHAM COMPANYS ADDITION TO THE CITY OF COLUMBUS, PLAT OF SURVEY 4519, PLAT OF SURVEY 4518, & CENTERLINE OF EXISTING PAVEMENTS.

EXISTING HIGHWAY RIGHT-OF-WAY FOR POET STREET ESTABLISHED FROM PREVIOUS PROJECTS FARNHAM COMPANYS ADDITION TO THE CITY OF COLUMBUS, D THING'S ADDITION, CSM 2537, PLAT OF SURVEY 4418, PLAT OF SURVEY 7177, PLAT OF SURVEY 12263, PLAT OF SURVEY 14761, & CENTERLINE OF EXISTING PAVEMENTS.

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 73 ESTABLISHED FROM PREVIOUS PROJECTS T0247(2) PLAN & PROFILE, COLUMBUS OUTLOTS & CENTERLINE OF EXISTING PAVEMENTS.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3670-01-21-4.01.
SHEET 2 OF 2
AMENDMENT NO:

FILE NAME : P:\49XX\4930 STH 89 - COLUMBIA CO\CADDS\########\SHEETSPLAN\040100_RP.DWG
LAYOUT NAME: TPP Title 34x22
PLOT DATE : 9/14/2018 12:55 PM PLOT BY : DREW NELSON PLOT NAME : _____
APPRAISAL PLAT DATE : 02/27/2019
3670-01-21- 4.01

TRANSPORTATION PROJECT PLAT NO: 3670-01-21- 4.01

THAT PART OF LOT 1 OF CSM 3983 V. 27 P. 99 DOC. 688919, LOT 1 OF CSM 4399 V. 31 P. 12 DOC. 731045, LOT 1 OF CSM 3982 V. 27 P. 98 DOC. 688918 AND OUTLOT 3 OF KESTREL RIDGE, PART OF THE SE 1/4 OF THE NW 1/4, ALSO PART OF THE SW 1/4 OF THE NE 1/4, ALL BEING LOCATED IN SECTION 24, TOWNSHIP 10 NORTH, RANGE 12 EAST, CITY OF COLUMBUS, COLUMBIA COUNTY, WISCONSIN.

RELOCATION ORDER STH 89 CITY OF COLUMBUS, FARNHAM STREET (0.32MI S OF AVALON RD TO PARK AVENUE)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22 WISCONSIN STATUTES, THE CITY OF COLUMBUS HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF COLUMBUS, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), COLUMBIA COUNTY, NAD 83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG STH 89 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECTS: KESTREL RIDGE, DOC. 725390, CSM 3979, CSM 3983, AND CSM 3982.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE CITY OF COLUMBUS.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 89 ESTABLISHED FROM PREVIOUS PROJECTS; T0247(2) PLAN & PROFILE, KESTREL RIDGE, CSM 3979, CSM 3983, CSM 3982, PLAT OF SURVEY 10050, & CENTERLINE OF EXISTING PAVEMENTS.

EXISTING HIGHWAY RIGHT-OF-WAY FOR AVALON ROAD ESTABLISHED FROM PREVIOUS PROJECTS; KESTREL RIDGE, CSM 3143, & CENTERLINE OF EXISTING PAVEMENTS.

* RW WIDTH AS SHOWN IN THIS LOCATION IS TO THE PREVIOUSLY PLATTED R/L AND NOT THE DESIGN R/L THAT IS SHOWN ON THIS PLAT. DIFFERENCE IS MINOR AND HARD TO DEPICT AT THIS SCALE.

SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERSTS TO THE CITY OF COLUMBUS			
PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ FT REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
1	KEVIN J. ADEN AND LAURAL CLARKE, AS JOINT TENANTS	TLE	---	---	---	1214
3	ST. JEROME'S ROMAN CATHOLIC CONGREGATION	TLE	---	---	---	8137
4	KESTREL GOLF PROPERTIES LLC.	TLE	---	---	---	3869
6	WILLIAM N. HOFFMAN	TLE	---	---	---	961
8	JOHNSON'S PROPERTY IN COLUMBUS, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	---	---	---	1901
12	CITY OF COLUMBUS	FEE,TLE	1119	---	1119	563
ALL AREAS SHOWN IN SQ FT UNLESS OTHERWISE NOTED						
*PURPOSE FOR TLE'S IS TO REMOVE & REPLACE SIDE WALK, UNLESS NOTED, BUILDINGS WILL NOT BE AFFECTED						

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
T150	2+43.00	37.82'
T151	3+39.00	37.00'
T152	3+39.00	58.00'
T153	3+77.49	58.00'
T154	5+05.00	50.37'
T155	5+05.00	59.00'
T156	8+92.00	59.00'
T157	8+92.00	57.00'
T158	11+00.00	57.00'
T159	11+00.00	60.00'
T160	14+73.00	60.00'
T161	14+73.00	55.00'
T162	15+14.45	55.15'
T163	15+59.81	97.30'
T164	15+57.00	98.00'
T165	15+44.00	47.00'
T166	14+45.00	39.00'
T167	14+45.00	53.00'
T168	13+77.00	53.00'
T169	13+77.00	35.00'
T170	13+00.00	35.00'
T171	13+00.00	40.00'
T172	12+30.00	40.00'
T173	12+30.00	35.18'
T174	4+44.15	36.02'
T175	4+43.79	47.00'
T176	3+80.00	47.00'
T177	3+80.00	40.00'
T178	2+93.00	40.00'
T179	2+93.00	31.49'

RW COURSE TABLE		
COURSE	BEARING	DISTANCE
100-101	N19° 22' 41"E	133.27'
101-103	N05° 48' 16"E	72.41'
103-IP15006	N19° 23' 06"E	79.38'
IP15006-104	N19° 54' 35"E	978.65'
104-105	N16° 41' 42"E	8.90'
IP15012-106	S19° 54' 35"W	1022.22'
106-IP15007	S19° 23' 22"W	81.16'
IP15007-107	S19° 22' 41"W	201.47'

RW STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
100	2+43.00	34.60'
# 101	3+76.72	33.68'
103	4+47.27	49.96'
104	15+07.31	48.65'
105	15+16.85	48.55'
106	5+26.02	32.46'
107	2+43.20	31.41'
IP15007	4+44.25	33.01'
IP15012	15+44.19	37.87'
IP15006	5+25.71	50.54

NO TYPE 2 MONUMENT WAS SET DUE TO CLOSE PROXIMITY TO EXISTING MONUMENT. USE COURSE TABLE AND STATION & OFFSET DATA FOR ULTIMATE R/W.

(204) COLUMBUS WATER & LIGHT (ELECTRIC)
NO RECORD OF EASEMENT - PAR 1, 3, 4, 8

(205) WISCONSIN GAS LLC D/B/A WE ENERGIES
NO RECORD OF EASEMENT - PAR 3, 6

(206) AT&T WISCONSIN (COMMUNICATIONS)
NO RECORD OF EASEMENT - PAR 3, 4

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
204	COLUMBUS WATER & LIGHT (ELECTRIC)	RELEASE OF RIGHTS
205	WISCONSIN GAS LLC D/B/A WE ENERGIES	RELEASE OF RIGHTS
206	AT&T WISCONSIN (COMMUNICATIONS)	RELEASE OF RIGHTS

FOUND ALUMINUM CAP MON.
Y = 317234.706
X = 654840.859

914561
STATE OF WISCONSIN
COLUMBIA COUNTY
REGISTER OF DEEDS
RECEIVED FOR RECORD
DATE 6/13/19 TIME 9:58am
Vol 1 Pg 313

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3670-01-21-4.01
AMENDMENT NO:___
SHEET 1 OF 2

S87°08'06"W, 10.32' 1/4 LINE TO R/W
N87°08'06"E, 35.97' TAN TO R/W
N87°08'06"E, 54.59' R/W TO TAN
S00°01'29"W, 1338.59' MON TO 1/16TH LINE
1/16 LINE
1/4 LINE
N00°01'29"E, 1338.59' MON TO 1/16TH LINE
STA 15+33.06
PC: 14+64.19
Y = 315847.826
X = 654770.220
PLAT OF SURVEY 7329
SW/NE
CITY
OF
COLUMBUS
PLAT OF SURVEY 10050
SE/NW
STH 89 (FARNHAM ST)
R =N19°52'11"E
R =N18°48'07"E
R =N19°32'55"E
AVALON ROAD
ACCESS CONTROL COVENANT DOC. 725390
KESTREL RIDGE OUTLOT 3
PI: 4+51.65
Y = 314895.570
X = 654426.080
DELTA=01°04'04" RT
PI: 2+75.61
Y = 314728.918
X = 654369.341
DELTA=00°44'48" LT
BP: 2+00.00
Y = 314657.669
X = 654344.042
PLATS OF SURVEY 7330 & 10056
TLE - GRADING
TLE - SIDEWALK 563 SF
TLE - GRADING 3210 SF
TLE - DRIVEWAY 961 SF
TLE - GRADING 659 SF
FUTURE ROAD PER CSM 4399
20' INGRESS/EGRESS EASEMENT PER PLAT OF SURVEY 10056
N70°37'19"W, 34.60' R/L TO R/W
N70°37'19"W, 31.41' R/W TO R/L
N20°48'25"E, 10.83' SECTION LINE TO TRAV. PNT
N86°49'27"E, 2078.60' MON TO R/W
S86°49'27"W, 71.76' R/W TO R/W
S86°49'27"W, 493.78' MON TO R/W
1/4 LINE
GOLF PATH ACCESS AND MAINTENANCE EASEMENT DOC. 751738
BLANKET INGRESS/EGRESS EASEMENT DOC. 740651
LOT 1 CSM 3983 V. 27, P. 99 DOC. 688919
LOT 1 CSM 4399 V. 31, P. 12 DOC. 731045
LOT 1 CSM 3982 V. 27, P. 98 DOC. 688918
LOT 1 CSM 3143 V. 21, P. 99 DOC. 596749
OUTLOT 1 CSM 3979 V. 27, P. 95 DOC. 688820
LOT 1 CSM 3979 V. 27, P. 95 DOC. 688820
TLE - GRADING
TLE - GRADING
TLE - GRADING

TRANSPORTATION PROJECT PLAT NO: 3670-01-21- 4.02

THAT PART OF THE NE 1/4 OF THE NW 1/4, ALSO LOT 1 OF CSM 4401 V. 31 P. 14 DOC. 731047 AND LOTS 6, 7 AND 13 OF CALDWELL'S ADDITION, PART OF THE NW 1/4 OF THE NE 1/4, ALL BEING LOCATED IN SECTION 24, TOWNSHIP 10 NORTH, RANGE 12 EAST, CITY OF COLUMBUS, COLUMBIA COUNTY, WISCONSIN.

RELOCATION ORDER STH 89 CITY OF COLUMBUS, FARNHAM STREET (0.32MI S OF AVALON RD TO PARK AVENUE)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22 WISCONSIN STATUTE, THE CITY OF COLUMBUS HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF COLUMBUS PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), COLUMBIA COUNTY, NAD 83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG STH 89 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT: CALDWELL'S ADDITION.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE CITY OF COLUMBUS.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 89 ESTABLISHED FROM PREVIOUS PROJECTS; T0247(2) PLAN & PROFILE, CALDWELL'S ADDITION, CSM 4401, PLAT OF SURVEY 8175, & CENTERLINE OF EXISTING PAVEMENTS.

EXISTING HIGHWAY RIGHT-OF-WAY FOR WATERLOO STREET ESTABLISHED FROM PREVIOUS PROJECTS; CALDWELL'S ADDITION, CSM 4401, AND CENTERLINE OF EXISTING PAVEMENTS.

* R/W WIDTH AS SHOWN IN THIS LOCATION IS TO THE PREVIOUSLY PLATTED R/L AND NOT THE DESIGN R/L THAT IS SHOWN ON THIS PLAT. DIFFERENCE IS MINOR AND HARD TO DEPICT AT THIS SCALE.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERSTS TO THE CITY OF COLUMBUS

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ FT REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
6	WILLIAM N. HOFFMAN	FEE/TLE	268	---	268	6038
9	JOINT SCHOOL DISTRICT NO.1 OF THE CITY OF COLUMBUS, TOWNS OF COLUMBUS AND HAMPDEN, COLUMBIA COUNTY, TOWNS OF ELBA, CALAMUS AND PORTLAND, DODGE COUNTY, AND TOWNS OF YORK AND BRISTOL, DANE COUNTY	TLE	---	---	---	10776
12	CITY OF COLUMBUS	TLE	---	---	---	2301
13	ZACHARY A FRETER AND TANYA M LESTER	TLE	---	---	---	1574
14	EUGENE G. RAKE AND VIRGINIA H. RAKE, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	TLE	---	---	---	940
16	ANDREA L. LUEY AND ANTHONY A. LUEY, WIFE AND HUSBAND, AS SURVIVORSHIP MARITAL PROPERTY	TLE	---	---	---	1042
17	SHIRLEY M HOFFMAN	TLE	---	---	---	216
18	PAMELA B. SANDERSON	TLE	---	---	---	986

ALL AREAS SHOWN IN SQ FT UNLESS OTHERWISE NOTED

*PURPOSE FOR TLE'S IS TO REMOVE & REPLACE SIDE WALK, UNLESS NOTED, BUILDINGS WILL NOT BE AFFECTED

TLE STATION & OFFSET TABLE

POINT NO.	STATION	OFFSET
T220	15+14.45	55.15'
T221	15+20.00	55.00'
T222	16+00.00	55.00'
T223	17+00.00	56.00'
T224	22+22.00	55.00'
T225	22+22.00	76.00'
T226	22+65.00	76.00'
T227	22+65.00	40.00'
T228	27+56.00	40.00'
T229	27+56.00	51.00'
T230	27+74.00	51.00'
T231	27+74.00	37.00'
T232	28+53.03	38.03'
T233	28+56.93	46.20'
T234	26+84.56	46.01'
T235	22+69.56	45.00'
T236	20+48.00	45.00'
T237	20+48.00	50.00'
T238	19+14.85	50.00'
T239	17+26.24	78.96'
T240	15+59.81	97.30'

RW COURSE TABLE

COURSE	BEARING	DISTANCE
200-201	N16° 41' 42"E	84.60'
201-202	N00° 16' 57"W	611.56'
202-203	N89° 43' 03"E	17.00'
203-204	N00° 16' 57"W	628.02'
205-214	S00° 10' 19"E	1.44'
214-206	S00° 16' 57"E	169.88'
206-207	N89° 43' 03"E	30.00'
207-208	S00° 16' 57"E	415.00'
208-IP15016	S89° 43' 03"W	30.00'
IP15016-IP15072	S00° 16' 57"E	354.70'
IP15072-209	S11° 16' 29"E	207.31'
209-210	S01° 55' 12"E	35.13'
210-211	S88° 32' 37"W	15.25'
211-212	S21° 36' 58"W	85.53'
212-213	S00° 01' 29"W	59.26'

RW STATION & OFFSET TABLE

POINT NO.	STATION	OFFSET
200	15+16.85	48.55'
201	16+06.89	41.70'
202	22+25.20	49.75'
203	22+25.21	32.75'
204	28+53.23	33.00'
# 205	28+55.87	33.00'
# 206	26+84.56	33.07'
# 207	26+84.57	63.07'
# 208	22+69.57	63.23'
209	17+11.79	73.00'
210	16+80.00	75.00'
211	16+79.00	59.79'
212	16+01.85	36.42'
213	15+46.91	47.77'
214	28+54.44	33.00'
IP15012	15+44.19	37.87'
IP15016	22+69.56	33.23'
IP15072	19+14.85	33.73'

NO TYPE 2 MONUMENT WAS SET DUE TO CLOSE PROXIMITY TO EXISTING MONUMENT. USE COURSE TABLE AND STATION & OFFSET DATA FOR ULTIMATE R/W.

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
206	AT&T WISCONSIN (COMMUNICATIONS)	RELEASE OF RIGHTS
207	UNITE PRIVATE NETWORKS LLC (COMMUNICATIONS)	RELEASE OF RIGHTS

(206) AT&T WISCONSIN (COMMUNICATIONS)
NO RECORD OF EASEMENT - PAR 6

(207) UNITE PRIVATE NETWORKS LLC (COMMUNICATIONS)
NO RECORD OF EASEMENT - PAR 9

EXISTING MONUMENTS

POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP15012	315915.599	654829.985	1.25" O.D. IRON PIPE
IP15013	315973.811	654840.295	1.25" O.D. IRON PIPE
IP15014	316233.407	654942.598	1.25" O.D. IRON PIPE
IP15015	316648.801	654874.496	2.50" O.D. IRON PIPE
IP15016	316648.388	654843.605	2.50" O.D. IRON PIPE
IP15019	317063.26	654871.645	2.50" O.D. IRON PIPE
IP15020	317063.122	654841.631	2.50" O.D. IRON PIPE
IP15072	316293.691	654845.355	1.75" O.D. IRON PIPE
IP15073	316293.911	654895.768	1.75" O.D. IRON PIPE (BENT)
IP15074	316545.833	654995.272	1.25" O.D. IRON PIPE
IP15075	316704.178	655058.003	1.25" O.D. SQUARE IRON PIPE
IP15076	316754.011	655148.212	1.25" O.D. IRON PIPE
IP15077	316679.525	655119.515	1.25" O.D. IRON PIPE

STH 89 CURVE DATA

PI STA = 15+91.41
Y = 315967.475
X = 654813.461
DELTA = 20°07'46" LT
D = 7°59'37"
T = 127.22'
L = 251.82'
R = 716.78'
PC STA = 14+64.19
PT STA = 17+16.01
DB = N19° 52' 11"E

PT: 17+16.01
Y = 316094.696
X = 654812.884

Refer to the Title Sheet, recorded as Sheet 2 of 2, in Volume 1, Page 113, as Document No. 914551 for additional information

FOUND ALUMINUM CAP MON.
Y = 317234.706
X = 654840.859

FOUND ALUMINUM CAP MON.
Y = 317388.771
X = 657476.261

FOUND ALUMINUM CAP MON.
Y = 317117.310
X = 652208.165

FOUND 1.25" OD IP
Y = 314597.524
X = 654839.719

916518
STATE OF WISCONSIN
COLUMBIA COUNTY
REGISTER OF DEEDS
RECEIVED FOR RECORD
DATE 8/7/19 TIME 10:55AM
Vol 1 Pg 315

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3670-01-21-4.02
AMENDMENT NO:___

LOCATION SKETCH NOT TO SCALE

SHEET LOCATION

DETAIL A

DETAIL B

DETAIL C

SCALE, FEET 0 50 100

emcs.inc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF COLUMBUS, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Kevin C. Boyer DATE: 06/17/2019
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF COLUMBUS

SIGNATURE: DATE: 8/7/19
PRINT NAME: PAT GOEBEL

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

3670-01-21- 4.02

PLOT NAME : P:\490X\4930 STH 89 - COLUMBIA CO\CADD\########\SHEETSPLAN\040102_RP.DWG
PLOT BY : Drew Nelson
PLOT DATE : 6/17/2019 10:30 AM
PLOT DATE :
PLOT DATE :
FILE NAME :
APPRAISAL PLAT DATE : 06/17/2019

TRANSPORTATION PROJECT PLAT NO: 3670-01-21- 4.03

THAT PART OF LOTS 1, 2, 3, 4, 5, 6, 7 AND 8 OF BLOCK 1 OF FARNHAM AND COMPANYS ADDITION TO THE CITY OF COLUMBUS, PART OF THE SE 1/4 OF THE SW 1/4, ALSO PART OF LOT 1 OF CSM 2143 V. 13 P. 35 DOC. 529193, AND PART OF LOT 11 OF BLOCK 2 OF FARNHAM AND COMPANYS ADDITION TO THE CITY OF COLUMBUS, PART OF THE SW 1/4 OF THE SE 1/4, ALL BEING LOCATED IN SECTION 13, TOWNSHIP 10 NORTH, RANGE 12 EAST, CITY OF COLUMBUS, COLUMBIA COUNTY, WISCONSIN.

RELOCATION ORDER STH 89 CITY OF COLUMBUS, FARNHAM STREET (0.32MI S OF AVALON RD TO PARK AVENUE)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22 WISCONSIN STATUTES, THE CITY OF COLUMBUS HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF COLUMBUS, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), COLUMBIA COUNTY, NAD 83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE CITY OF COLUMBUS.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

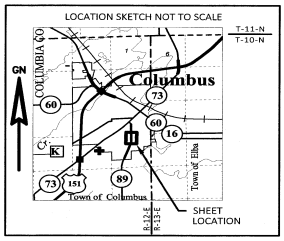
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 89 ESTABLISHED FROM PREVIOUS PROJECTS; T0247(2) PLAN & PROFILE, FARNHAM AND COMPANYS ADDITION TO THE CITY OF COLUMBUS, ASSESSOR'S RE-PLAT OF PORTIONS OF THE CITY OF COLUMBUS, CSM 2143, PLAT OF SURVEY 4517, PLAT OF SURVEY 4519, & CENTERLINE OF EXISTING PAVEMENTS.

EXISTING HIGHWAY RIGHT-OF-WAY FOR FOLSOM STREET ESTABLISHED FROM PREVIOUS PROJECTS; FARNHAM COMPANYS ADDITION TO THE CITY OF COLUMBUS, PLAT OF SURVEY 4519, & CENTERLINE OF EXISTING PAVEMENTS.

* RW WIDTH AS SHOWN IN THIS LOCATION IS TO THE PREVIOUSLY PLATTED R/L AND NOT THE DESIGN R/L THAT IS SHOWN ON THIS PLAT. DIFFERENCE IS MINOR AND HARD TO DEPICT AT THIS SCALE.

GN

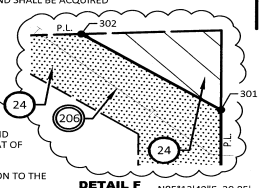
LOCATION SKETCH NOT TO SCALE



916517
STATE OF WISCONSIN
COLUMBIA COUNTY
REGISTER OF DEEDS
RECEIVED FOR RECORD
DATE: 7-1-19 TIME: 10:38 AM
Sylvia A. Hinds
Vol 1 Pg 314A

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3670-01-21-4.03
AMENDMENT NO:___

SCALE, FEET 0 50 100



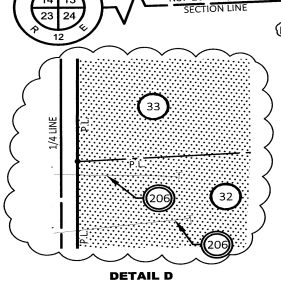
DETAIL F

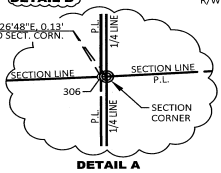
TLE - SIDEWALK 1648 SF

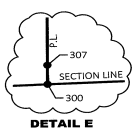
FOUND DRILL HOLE
Y = 322540.496
X = 654840.658

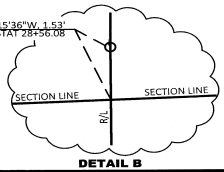
N85°12'49"E, 30.85' R/L TO 1/4 LINE
N85°12'49"E, 33.02' R/W TO R/L
S00°00'08"E, 4475.76' MON TO MATCHLINE
N85°12'49"E, 2.32' 1/4 LINE TO R/W

63'
66'
36+83.49
IP15039
IP15038
303
P.L.
IP15037
IP15036
IP15035
IP15034
FOLSOM STREET
PI: 36+52.83
Y = 318031.506
X = 654810.039
DELTA=00°05'10" LT
℄ =N0°04'52"E
FOLSOM STREET
302
301
304
IP15029
T331
T330
T329
T332
T333
T334
TLE - SIDEWALK 1671 SF
34
33
24
NOTE: 34' BLDG TO FEE
DETAIL F
LOT 8
LOT 11
LOT 10
LOT 9
TLE - SIDEWALK 1648 SF
PLAT OF SURVEY 4519
LOT 7
IP15028
IP15027
DETAIL D
T328
T327
IP15041
IP15042
T335
T336
23
LOT 6
LOT 4
(LOT F)
32
PLAT OF SURVEY 4517
IP15043
LOT 1 CSM 2143 V. 13, P. 35 DOC. 529193
10' INGRESS/EGRESS EASEMENT V. 226 P. 314 DOC. 261260
22
T326
T325
BLOCK 2
OF
IP15026
T337
T338
LOT 5
FARNHAM AND COMPANYS ADDITION TO THE CITY OF COLUMBUS
BLOCK 1
21
31
IP15025
SW/SE
SE/SW
IP15044
LOT 4
(LOT E)
29
FARNHAM AND COMPANYS ADDITION TO THE CITY OF COLUMBUS
(ASSESSOR'S RE-PLAT OF PORTIONS OF THE CITY OF COLUMBUS)
IP15024
LOT 3
28
(LOT D)
9
℄ =N0°10'02"E
STH 89 (FARNHAM ST)
33'
33'
T339
T340
IP15023
27
T341
T342
LOT 2
T324
T323
IP15022
30
T343
T344
COLUMBUS
(LOT C)
207
LOT 2
26
T322
T321
LOT 1
FOUND ALUMINUM CAP MON.
Y = 317388.771
X = 657476.261
FOUND ALUMINUM CAP MON.
Y = 317117.310
X = 652208.165
PI: 28+56.08
Y = 317234.759
X = 654807.713
DELTA=00°25'38" RT
DB=500°15'36"E
T345
T346
(LOT A)
LOT 1
T320
307
300
T347
STA 28+54.55
SECTION LINE
S00°00'08"E, 830.03' TIE TO SECTION LINE
N87°26'48"E, 2569.11' SECTION LINE
MON TO R/W
S86°39'16"W, 2639.90' MON TO MON
DETAIL E
S87°26'48"W, 33.03' R/L TO R/W
DETAIL A
S87°26'48"W, 33.04' R/W TO R/L
DETAIL B
FOUND ALUMINUM CAP MON.
Y = 317234.706
X = 654840.859









Refer to the Title Sheet, recorded as Sheet 2 of 2, in Volume 1, Page 113, as Document No. 914551 for additional information

SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERSTS TO THE CITY OF COLUMBUS				
PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ FT REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
9	JOINT SCHOOL DISTRICT NO.1 OF THE CITY OF COLUMBUS, TOWNS OF COLUMBUS AND HAMPDEN, COLUMBIA COUNTY, TOWNS OF ELBA, CALAMUS AND PORTLAND, DODGE COUNTY, AND TOWNS OF YORK AND BRISTOL, DANE COUNTY	TLE	---	---	---	3132
21	COLUMBUS SCHOOL DISTRICT, COLUMBUS, WISCONSIN	TLE	---	---	---	653
22	ALBERT W. MERCK AND FAYAN M. MERCK, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	TLE	---	---	---	698
23	HOMZ DEVELOPMENT CORPORATION	TLE	---	---	---	1223
24	J & M SUN PRAIRIE LLC	FEE/TLE	80	---	80	1648
26	FREDRICK W. GOETSCH AND PEGGY S. GOETSCH, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	TLE	---	---	---	1281
27	JASON R. WEISSMANN	TLE	---	---	---	634
28	JENNIFER R. BARNETT TRUST	TLE	---	---	---	2015
29	MARLYS WEIHERT	TLE	---	---	---	1200
31	KIM M. GUERRIERI	TLE	---	---	---	730
32	COLUMBUS PROPERTIES, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	---	---	---	1529
33	AUDREY L. WALTER	TLE	---	---	---	1208
34	HUNTER G. PERRY	TLE	---	---	---	1671
ALL AREAS SHOWN IN SQ FT UNLESS OTHERWISE NOTED						
*PURPOSE FOR TLE'S IS TO REMOVE & REPLACE SIDE WALK, UNLESS NOTED, BUILDINGS WILL NOT BE AFFECTED						

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
T320	28+53.03	38.03'
T321	29+50.00	40.00'
T322	29+50.00	44.00'
T323	30+12.00	44.00'
T324	30+12.00	42.00'
T325	33+13.00	42.00'
T326	33+13.00	46.00'
T327	34+38.00	47.00'
T328	34+38.00	42.00'
T329	36+04.00	42.00'
T330	36+14.47	58.00'
T331	36+16.71	58.00'
T332	36+21.01	45.50'
T333	35+61.00	45.50'
T334	35+61.00	51.50'
T335	34+19.00	51.50'
T336	34+19.00	41.50'
T337	32+77.00	41.50'
T338	32+77.00	51.00'
T339	30+64.00	51.00'
T340	30+64.00	42.00'
T341	30+22.00	42.00'
T342	30+22.00	47.00'
T343	30+00.00	47.00'
T344	30+00.00	40.00'
T345	28+89.00	40.00'
T346	28+89.00	46.00'
T347	28+56.93	46.20'

RW COURSE TABLE		
COURSE	BEARING	DISTANCE
300-307	N00° 16' 57"W	1.44'
307-301	N00° 10' 19"E	752.76'
301-302	N57° 14' 13"W	18.32'
302-IP15039	N13° 47' 29"E	65.43'
303-304	S00° 08' 41"W	66.13'
304-306	S00° 10' 19"W	764.11'

RW STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
300	28+53.23	33.00'
301	36+07.19	33.00'
302	36+17.05	48.36'
303	36+86.31	33.10'
304	36+20.23	33.08'
# 306	28+55.87	33.00'
307	28+54.67	33.00'
IP15039	36+80.69	32.90'

NO TYPE 2 MONUMENT WAS SET DUE TO CLOSE PROXIMITY TO EXISTING MONUMENT. USE COURSE TABLE AND STATION & OFFSET DATA FOR ULTIMATE R/W.

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
206	AT&T WISCONSIN (COMMUNICATIONS)	RELEASE OF RIGHTS
207	UNITE PRIVATE NETWORKS LLC (COMMUNICATIONS)	RELEASE OF RIGHTS

206 AT&T WISCONSIN (COMMUNICATIONS)
NO RECORD OF EASEMENT - PAR 24, 32

207 UNITE PRIVATE NETWORKS LLC (COMMUNICATIONS)
NO RECORD OF EASEMENT - PAR 9

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP15022	317384.057	654841.100	1.00" IRON ROD
IP15023	317443.917	654841.367	1.00" O.D. IRON PIPE
IP15025	317622.854	654841.351	1.00" O.D. IRON PIPE
IP15026	317673.119	654841.993	1.50" O.D. IRON PIPE
IP15027	317823.014	654842.515	1.25" O.D. IRON PIPE
IP15028	317891.591	654842.669	1.25" O.D. IRON PIPE
IP15029	318016.376	655132.357	1.25" O.D. IRON PIPE
IP15034	318084.004	655161.393	1.25" O.D. IRON PIPE
IP15035	318079.787	655092.036	0.75" IRON ROD
IP15036	318075.594	655019.479	1.00" O.D. IRON PIPE
IP15037	318070.692	654939.675	1.00" O.D. IRON PIPE
IP15038	318065.375	654843.197	2.50" O.D. IRON PIPE
IP15039	318059.407	654777.175	2.00" O.D. IRON PIPE
IP15042	317819.435	654776.369	1.50" O.D. IRON PIPE
IP15043	317729.469	654776.269	1.25" O.D. IRON PIPE
IP15044	317597.280	654775.742	1.00" O.D. IRON PIPE

emcs.llc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF COLUMBUS, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Kevin C. Boyer DATE: 06/26/2019
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF COLUMBUS

SIGNATURE: Pat Goebel DATE: 8/7/19
PRINT NAME: PAT GOEBEL

3670-01-21-4.03
PLOT NAME :
PLOT BY : Drew Nelson
PLOT DATE : 6/26/2019 1:20 PM
PLOT DATE :
PLOT DATE :
FILE NAME : P:\49XX\4930 STH 89 - COLUMBIA CO\CADDS\#######\SHEETSPLAN\040103_RP.DWG
APPRAISAL PLAT DATE : 06/26/2019

TRANSPORTATION PROJECT PLAT NO: 3670-01-21- 4.04

THAT PART OF LOTS 9,10,11,12 & 13 OF BLOCK 1 OF FARNHAM AND COMPANYS ADDITION TO THE CITY OF COLUMBUS, LOCATED IN THE SE 1/4 OF THE SW 1/4, ALSO LOTS 1 & 31 OF BLOCK 1 OF D THING'S ADDITION AND LOT 7 OF BLOCK 3 OF FARNHAM AND COMPANYS ADDITION TO THE CITY OF COLUMBUS, PART OF THE SW 1/4 OF THE SE 1/4, ALL BEING LOCATED IN SECTION 13, TOWNSHIP 10 NORTH, RANGE 12 EAST, CITY OF COLUMBUS, COLUMBIA COUNTY, WISCONSIN.

RELOCATION ORDER STH 89 CITY OF COLUMBUS, FARNHAM STREET (0.32MI S OF AVALON RD TO PARK AVENUE)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22 WISCONSIN STATUTE, THE CITY OF COLUMBUS HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF COLUMBUS, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), COLUMBIA COUNTY, NAD 83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE CITY OF COLUMBUS.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 89 ESTABLISHED FROM PREVIOUS PROJECTS; T0247(2) PLAN & PROFILE, FARNHAM AND COMPANYS ADDITION TO THE CITY OF COLUMBUS, D THING'S ADDITION, PLAT OF SURVEY 4518, PLAT OF SURVEY 7174, PLAT OF SURVEY 7177, PLAT OF SURVEY 12263, PLAT OF SURVEY 14761, & CENTERLINE OF EXISTING PAVEMENTS.

EXISTING HIGHWAY RIGHT-OF-WAY FOR FOLSOM STREET ESTABLISHED FROM PREVIOUS PROJECTS; FARNHAM AND COMPANYS ADDITION TO THE CITY OF COLUMBUS, PLAT OF SURVEY 4518, & CENTERLINE OF EXISTING PAVEMENTS.

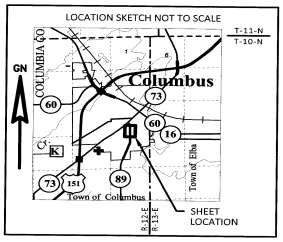
EXISTING HIGHWAY RIGHT-OF-WAY FOR POET STREET ESTABLISHED FROM PREVIOUS PROJECTS; FARNHAM AND COMPANYS ADDITION TO THE CITY OF COLUMBUS, D THING'S ADDITION, CSM 2537, PLAT OF SURVEY 4418, PLAT OF SURVEY 7177, PLAT OF SURVEY 12263, PLAT OF SURVEY, 14761, & CENTERLINE OF EXISTING PAVEMENTS.

* RW WIDTH AS SHOWN IN THIS LOCATION IS TO THE PREVIOUSLY PLATTED R/L AND NOT THE DESIGN R/L THAT IS SHOWN ON THIS PLAT. DIFFERENCE IS MINOR AND HARD TO DEPICT AT THIS SCALE.

SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERSTS TO THE CITY OF COLUMBUS				
PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ FT REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
36	CASSIDY CULBERT ANDERSON, A MARRIED PERSON	TLE	---	---	---	962
37	RUTH A. BECRAFT	TLE	---	---	---	448
38	DAVID L. SCHRAUFNAGEL AND DONNA M. SCHRAUFNAGEL, HUSBAND AND WIFE, AS SURVIVORSHIPMARITAL PROPERTY	TLE	---	---	---	382
39	CHARITY M. STROHBEEN, A SINGLE PERSON	TLE	---	---	---	667
41	ZACHARY L. GADICKE	FEE/TLE	204	---	204	503
42	SHERI L. BEARD	TLE	---	---	---	571
43	TERRY D. HARDESTY AND KRISTEN K. HARDESTY, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	TLE	---	---	---	881
44	DAVID M. OLSON	FEE/TLE	24	---	24	1649
46	TODD A. WEISMAN AND AGELIQUE D. WEISMAN HUSBAND AND WIFE, SURVIVORSHIP MARITAL PROPERTY	TLE	---	---	---	794
47	DONALD EUGENE KOVACS, JR AND VESNA KOVACH, HUSBAND AND WIFE	FEE/TLE	40	---	40	1100
48	ROSA I. SERRATO	FEE/TLE	15	---	15	1888
ALL AREAS SHOWN IN SQ FT UNLESS OTHERWISE NOTED						
*PURPOSE FOR TLE'S IS TO REMOVE & REPLACE SIDE WALK, UNLESS NOTED, BUILDINGS WILL NOT BE AFFECTED						

GN

LOCATION SKETCH NOT TO SCALE



916519
STATE OF WISCONSIN
COLUMBIA COUNTY
REGISTER OF DEEDS
RECEIVED FOR RECORD
DATE 7/1/19 TIME 10:25AM
Vol 1 Pg 315A

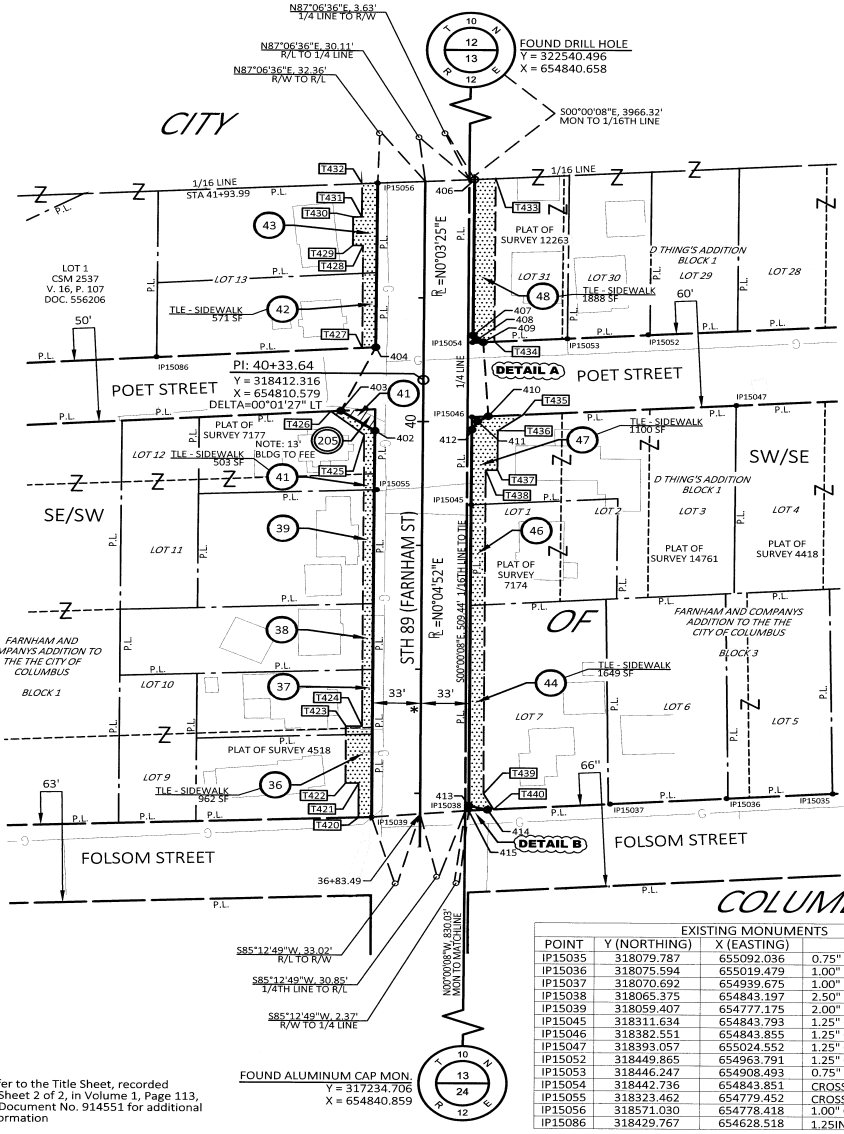
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3670-01-21-4.04
AMENDMENT NO:___

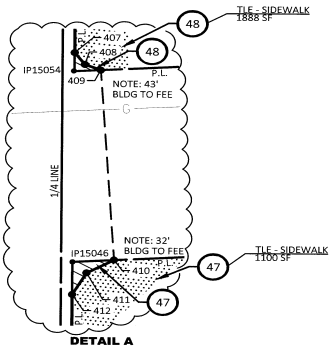
SCALE, FEET 0 50 100

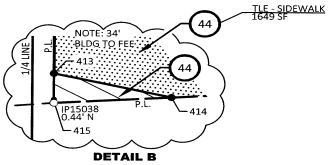
TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
T420	36+80.38	42.00'
T421	37+08.00	42.00'
T422	37+08.00	51.00'
T423	37+54.00	51.00'
T424	37+54.00	40.00'
T425	39+89.00	40.00'
T426	40+07.85	63.00'
T427	40+59.26	42.00'
T428	41+42.00	42.00'
T429	41+42.00	49.00'
T430	41+65.00	49.00'
T431	41+65.00	43.08'
T432	41+91.78	43.00'
T433	41+96.51	48.00'
T434	40+64.87	48.00'
T435	40+05.97	68.00'
T436	39+93.00	51.00'
T437	39+61.00	51.00'
T438	39+61.00	43.00'
T439	37+00.00	43.00'
T440	36+87.35	50.00'

RW COURSE TABLE		
COURSE	BEARING	DISTANCE
IP15039-402	N00° 07' 14"E	311.64'
402-403	N55° 43' 57"W	28.37'
403-404	N24° 37' 40"E	56.67'
404-IP15056	N00° 10' 48"E	132.50'
406-407	S00° 10' 48"W	125.85'
407-408	S36° 36' 03"E	4.61'
408-409	S67° 40' 01"E	4.61'
409-410	S03° 41' 58"E	60.00'
410-411	S60° 27' 35"W	8.38'
411-412	S29° 11' 00"W	7.78'
412-413	S00° 07' 14"W	303.53'
413-414	S76° 39' 58"E	13.16'
414-415	S86° 33' 59"W	12.84'

RW STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
402	39+92.33	32.69'
403	40+08.27	56.16'
404	40+59.83	32.60'
406	41+95.73	33.69'
407	40+69.88	33.42'
408	40+66.18	36.17'
409	40+64.43	40.44'
410	40+04.58	44.38'
411	40+00.43	37.09'
412	39+93.64	33.31'
413	36+90.11	33.10'
414	36+87.10	45.91'
415	36+86.31	33.10'
IP15039	36+80.69	32.90'
IP15056	41+92.33	32.32'







205 WISCONSIN GAS LLC D/B/A WE ENERGIES
NO RECORD OF EASEMENT - PAR 41

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
205	WISCONSIN GAS LLC D/B/A WE ENERGIES	RELEASE OF RIGHTS

Refer to the Title Sheet, recorded as Sheet 2 of 2, in Volume 1, Page 113, as Document No. 914551 for additional information

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP15035	318079.787	655092.036	0.75" IRON ROD
IP15036	318075.594	655019.479	1.00" O.D. IRON PIPE
IP15037	318070.692	654939.675	1.00" O.D. IRON PIPE
IP15038	318065.375	654843.197	2.50" O.D. IRON PIPE
IP15039	318059.407	654777.175	2.00" O.D. IRON PIPE
IP15045	318311.634	654843.793	1.25" O.D. IRON PIPE
IP15046	318382.551	654843.855	1.25" O.D. IRON PIPE
IP15047	318393.057	655024.552	1.25" O.D. IRON PIPE
IP15052	318449.865	654963.791	1.25" O.D. IRON PIPE
IP15053	318446.247	654908.493	0.75" O.D. IRON PIPE W/CAP
IP15054	318442.736	654843.851	CROSS ON CONCRETE
IP15055	318323.462	654779.452	CROSS ON CONCRETE
IP15056	318571.030	654778.418	1.00" O.D. IRON PIPE
IP15086	318429.767	654628.518	1.25IN OD IP

emcs.llc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF COLUMBUS, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

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

SIGNATURE: Kevin C. Boyer DATE: 06/17/2019
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF COLUMBUS

SIGNATURE: DATE: 8/7/19
PRINT NAME: PAT GOEBEL

3670-01-21-4.04

PLOT NAME :
PLOT BY : Drew Nelson
PLOT DATE : 6/17/2019 10:22 AM
PLOT DATE :
FILE NAME : P:\49XX\4930 STH 89 - COLUMBIA CO\CADDS\#######\SHEETSPLAN\040104_RP.DWG
APPRAISAL PLAT DATE - 06/17/2019

4

915570

TRANSPORTATION PROJECT PLAT NO: 3670-01-21- 4.05

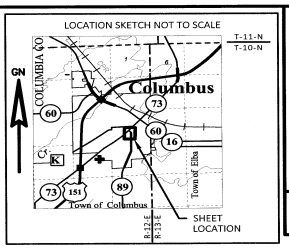
THAT PART OF LOT 1 OF CSM 2537 V. 16 P. 107 DOC. 556206, LOTS 1 ,2 & 3 OF CSM 3176 V. 21 P. 41 DOC. 601043 AND OUTLOTS 86, 89 AND 95 OF COLUMBUS OUTLOTS, LOCATED IN THE NE 1/4 OF THE SW 1/4, ALSO OUTLOT 57 OF COLUMBUS OUTLOTS, PART OF LOT 31 BLOCK 1 OF D THINGS ADDITION, LOCATED IN THE NW 1/4 OF THE SE 1/4 ,ALL BEING LOCATED IN SECTION 13, TOWNSHIP 10 NORTH, RANGE 12 EAST, CITY OF COLUMBUS, COLUMBIA COUNTY, WISCONSIN.

RELOCATION ORDER STH 89 CITY OF COLUMBUS, FARNHAM STREET (0.32MI S OF AVALON RD TO PARK AVENUE)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22 WISCONSIN STATUTES, THE CITY OF COLUMBUS HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF COLUMBUS, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

LOCATION SKETCH NOT TO SCALE



STATE OF WISCONSIN
COLUMBIA COUNTY
REGISTER OF DEEDS
RECEIVED FOR RECORD
DATE 7-11-19 TIME 2:00 P.M.
Vol 1 Page 313A

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3670-01-21-4.05
AMENDMENT NO:___

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), COLUMBIA COUNTY, NAD 83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

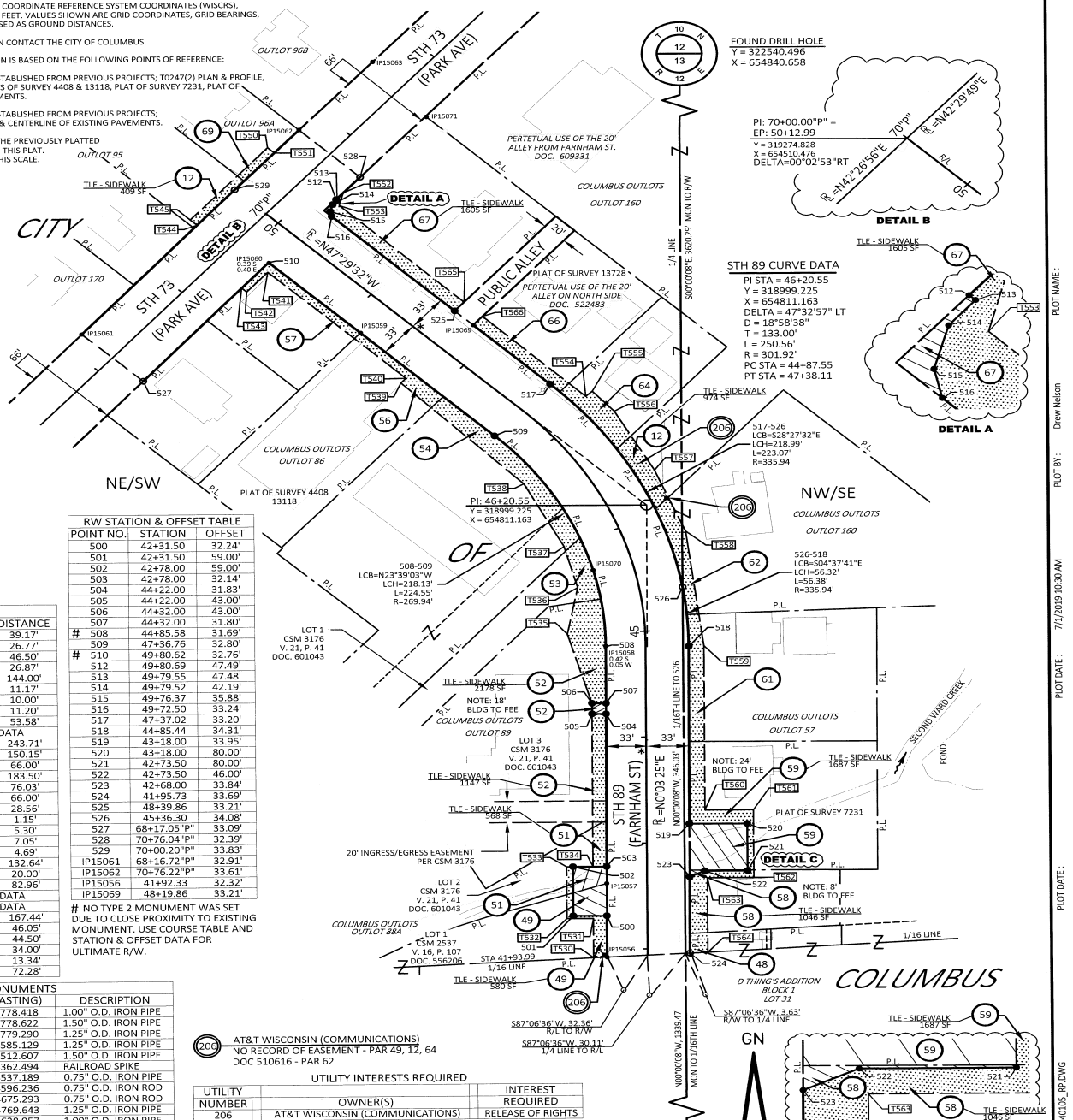
FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE CITY OF COLUMBUS.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 89 ESTABLISHED FROM PREVIOUS PROJECTS; T0247(2) PLAN & PROFILE, COLUMBUS OUTLOTS, CSM 3176, CSM 2537, PLATS OF SURVEY 4408 & 13118, PLAT OF SURVEY 7231, PLAT OF SURVEY 13728, & CENTERLINE OF EXISTING PAVEMENTS.

EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 73 ESTABLISHED FROM PREVIOUS PROJECTS; T0247(2) PLAN & PROFILE, COLUMBUS OUTLOTS, & CENTERLINE OF EXISTING PAVEMENTS.

* RW WIDTH AS SHOWN IN THIS LOCATION IS TO THE PREVIOUSLY PLATTED R/L AND NOT THE DESIGN R/L THAT IS SHOWN ON THIS PLAT. DIFFERENCE IS MINOR AND HARD TO DEPICT AT THIS SCALE.



TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
T530	41+91.78	43.00'
T531	42+29.00	43.00'
T532	42+29.00	64.00'
T533	42+78.00	64.00'
T534	42+78.00	43.00'
T535	45+00.00	62.00'
T536	45+52.00	48.00'
T537	46+00.00	47.00'
T538	46+80.00	46.00'
T539	48+26.00	45.97'
T540	48+26.00	40.00'
T541	49+75.00	40.00'
T542	49+75.00	65.00'
T543	49+80.42	65.00'
T544	69+55.00"P"	33.60'
T545	69+55.00"P"	41.00'
T550	70+47.00"P"	41.00'
T551	70+47.00"P"	33.69'
T552	49+80.67	56.00'
T553	49+75.00	45.00'
T554	47+12.00	45.00'
T555	47+12.00	52.00'
T556	46+90.00	53.00'
T557	46+35.00	49.00'
T558	45+81.00	49.00'
T559	44+86.00	46.50'
T560	43+31.00	46.50'
T561	43+31.00	85.00'
T562	42+67.00	85.00'
T563	42+67.00	48.00'
T564	41+96.51	48.00'
T565	48+39.86	44.43'
T566	48+19.86	44.25'

RW COURSE TABLE		
COURSE	BEARING	DISTANCE
IP15056-500	N00° 10' 48"E	39.17'
500-501	N89° 56' 35"W	26.77'
501-502	N00° 03' 25"E	46.50'
502-503	S89° 56' 35"E	26.87'
503-504	N00° 10' 48"E	144.00'
504-505	N89° 56' 35"W	11.17'
505-506	N00° 03' 25"E	10.00'
506-507	S89° 56' 35"E	11.20'
507-508	N00° 10' 48"E	53.58'
508-509	SEE CURVE DATA	
509-510	N47° 28' 54"W	243.71'
510-527	S42° 09' 46"W	150.15'
527-IP15061	N47° 50' 14"W	66.00'
IP15061-529	N42° 09' 46"E	183.50'
529-IP15062	N42° 39' 36"E	76.03'
IP15062-528	S47° 20' 24"E	66.00'
528-512	S42° 39' 36"W	28.56'
512-513	S47° 20' 24"E	1.15'
513-514	S42° 09' 55"W	5.30'
514-515	S16° 01' 35"W	7.05'
515-516	S13° 12' 02"E	4.69'
516-525	S47° 28' 54"E	132.64'
525-IP15069	S47° 28' 54"E	20.00'
IP15069-517	S47° 28' 54"E	82.96'
517-526	SEE CURVE DATA	
526-518	SEE CURVE DATA	
518-519	S00° 10' 48"W	167.44'
519-520	S89° 56' 35"E	46.05'
520-521	S00° 03' 25"W	44.50'
521-522	N89° 56' 35"W	34.00'
522-523	S65° 42' 47"W	13.34'
523-524	S00° 10' 48"W	72.28'

RW STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
500	42+31.50	32.24'
501	42+31.50	59.00'
502	42+78.00	59.00'
503	42+78.00	32.14'
504	44+22.00	31.83'
505	44+22.00	43.00'
506	44+32.00	43.00'
507	44+32.00	31.80'
# 508	44+85.58	31.69'
509	47+36.76	32.80'
# 510	49+80.62	32.76'
512	49+80.69	47.49'
513	49+79.55	47.48'
514	49+79.52	42.19'
515	49+76.37	35.88'
516	49+72.50	33.24'
517	47+37.02	33.20'
518	44+85.44	34.31'
519	43+18.00	33.95'
520	43+18.00	80.00'
521	42+73.50	80.00'
522	42+73.50	46.00'
523	42+68.00	33.84'
524	41+95.73	33.69'
525	48+39.86	33.21'
526	45+36.30	34.08'
527	68+17.05"P"	33.09'
528	70+76.04"P"	32.39'
529	70+00.20"P"	33.83'
IP15061	68+16.72"P"	32.91'
IP15062	70+76.22"P"	33.61'
IP15056	41+92.33	32.32'
IP15069	48+19.86	33.21'

NO TYPE 2 MONUMENT WAS SET DUE TO CLOSE PROXIMITY TO EXISTING MONUMENT. USE COURSE TABLE AND STATION & OFFSET DATA FOR ULTIMATE R/W.

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP15056	318571.030	654778.418	1.00" O.D. IRON PIPE
IP15057	318640.710	654778.622	1.50" O.D. IRON PIPE
IP15058	318864.705	654779.290	1.25" O.D. IRON PIPE
IP15059	319161.984	654585.129	1.25" O.D. IRON PIPE
IP15060	319228.416	654512.607	1.50" O.D. IRON PIPE
IP15061	319161.803	654362.494	RAILROAD SPIKE
IP15062	319353.734	654537.189	0.75" O.D. IRON PIPE
IP15063	319417.775	654596.236	0.75" O.D. IRON ROD
IP15069	319168.809	654675.293	0.75" O.D. IRON ROD
IP15070	318936.510	654769.643	1.25" O.D. IRON PIPE
IP15071	319365.592	654638.957	1.00" O.D. IRON PIPE

206 AT&T WISCONSIN (COMMUNICATIONS)
NO RECORD OF EASEMENT - PAR 49, 12, 64
DOC 510616 - PAR 62

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
206	AT&T WISCONSIN (COMMUNICATIONS)	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERSTS TO THE CITY OF COLUMBUS			
PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ FT REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
12	CITY OF COLUMBUS	TLE	---	---	---	1383
48	SHARON J. BREYER	TLE	---	---	---	266
49	LANGE - OSTRANDER - HURD POST #62 AMERICAN LEGION COLUMBUS, WISCONSIN	FEE/TLE	701	---	701	580
51	J.R.KURTH RENTAL PROPERTIES, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	546	---	546	568
52	THOMAS E. ROZINSKI	FEE/TLE	112	---	112	3325
53	JOHN ALEKSANDER KURTH PROPERTIES, LLC	TLE	---	---	---	918
54	COLUMBUS TRANSPORT CO.,INC.	TLE	---	---	---	2705
56	RECYCLING REALITIES, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	---	---	---	867
57	JOHN F. KURTH, VENDOR AND COLUMBUS TRANSPORT CO, INC., PURCHASER UNDER LAND CONTRACT	TLE	---	---	---	852
58	BETH NELSON	FEE/TLE	68	---	68	1046
59	JOSEPH SIEGEL AND FLORENCIA DJAJA	FEE/TLE	2017	---	2017	1687
61	LEWIS J LINZMEIER	TLE	---	---	---	1428
62	COLUMBUS PRE-SCHOOL, INCORPORATED	TLE	---	---	---	1280
64	PAUL N. MARTY AND MARY P. MARTY, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	TLE	---	---	---	1170
66	CLIFFORD H. LADWIG AND DENISE E. LADWIG, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	TLE	---	---	---	1014
67	SEM OF COLUMBUS LLC, A LIMITED LIABILITY COMPANY OF WISCONSIN	FEE/TLE	40	---	40	1605
69	MABEL J. HAYES,	TLE	---	---	---	259

ALL AREAS SHOWN IN SQ FT UNLESS OTHERWISE NOTED
*PURPOSE FOR TLE'S IS TO REMOVE & REPLACE SIDE WALK, UNLESS NOTED, BUILDINGS WILL NOT BE AFFECTED

SCALE, FEET 0 50 100

Refer to the Title Sheet, recorded as Sheet 2 of 2, in Volume 1, Page 113, as Document No. 914551 for additional information

emcs LLC

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF COLUMBUS, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Kevin C. Boyer DATE: 07/01/2019
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF COLUMBUS

SIGNATURE: _____ DATE: 7/2/19
PRINT NAME: PAT GOEBEL

3670-01-21-4.05

PLOT NAME : Drew Nelson
PLOT BY : 7/2/2019 10:30 AM
PLOT DATE :
PLOT DATE :

FILE NAME : P:\49XX\4930 STH 89 - COLUMBIA CO\CADDS\#######\SHEETSPLAN\04010S_RP.DWG
APPRAISAL PLAT DATE : 07/01/2019

4

DATE:	REVISION DATE

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), COLUMBIA COUNTY, NAD 83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

TRANSPORTATION PROJECT PLAT NO: 3670-01-21- 4.06

RELOCATION ORDER STH 89 CITY OF COLUMBUS, FARNHAM STREET (0.32MI S O AVALON RD TO PARK AVENUE)

3670-01-21-4.06

R/W MONUMENT POINT NUMBER AND COORDINATE TABLE

RW MONUMENT POINT NUMBER AND COORDINATE TABLE		
POINT NO.	Y	X
100	314709.766	654325.830
101	314835.485	654370.048
103	314907.522	654377.371
104	315902.552	654736.983
105	315911.073	654739.539
106	314954.479	654481.882
107	314687.867	654388.091
IP15006	314982.397	654403.717
IP15007	314877.922	654454.938
IP15012	315915.599	654829.985
T150	314710.846	654322.788
T151	314800.853	654354.747
T152	314807.621	654334.867
T153	314844.056	654347.272
T154	314962.860	654396.843
T155	314965.794	654388.724
T156	315329.755	654520.258
T157	315329.076	654522.139
T158	315524.693	654592.834
T159	315525.713	654590.012
T160	315875.830	654716.490
T161	315874.189	654721.213
T162	315910.725	654732.583
T163	315919.045	654891.731
T164	315915.782	654891.730
T165	315913.278	654838.820
T166	315816.526	654800.377
T167	315811.768	654813.544
T168	315747.816	654790.432
T169	315753.934	654773.504
T170	315681.518	654747.333
T171	315679.819	654752.035
T172	315613.986	654728.244
T173	315615.623	654723.712
T174	314876.857	654457.759
T175	314872.975	654468.036
T176	314812.592	654447.478
T177	314814.849	654440.852
T178	314732.491	654412.812
T179	314735.235	654404.752
200	315911.073	654739.539
201	315992.102	654763.841
202	316603.659	654760.825
203	316603.743	654777.825
204	317231.757	654774.727
205	317234.698	654840.713
206	317063.383	654841.558
207	317063.531	654871.558
208	316648.536	654873.605
209	316090.379	654885.887
210	316055.272	654887.064
211	316054.885	654871.823
212	315975.371	654840.315
213	315916.115	654840.289
214	317233.260	654840.721
IP15012	315915.599	654829.985
IP15016	316648.388	654843.605
IP15072	316293.691	654845.355
T220	315910.725	654732.583
T221	315915.615	654734.105
T222	315987.768	654749.719
T223	316079.684	654756.786
T224	316600.432	654755.589
T225	316600.337	654734.589
T226	316643.337	654734.394
T227	316643.500	654770.394
T228	317134.495	654768.167
T229	317134.445	654757.167
T230	317152.445	654757.085
T231	317152.508	654771.085
T232	317231.533	654769.696
T233	317235.469	654853.916
T234	317063.447	654854.495
T235	316648.446	654855.372
T236	316426.888	654856.377
T237	316426.910	654861.377
T238	316293.764	654861.981
T239	316105.289	654891.795
T240	315919.045	654891.731
300	317231.757	654774.727
301	317985.954	654776.981
302	317995.867	654761.578
303	318064.934	654843.187
304	317998.805	654843.019
306	318082.254	655407.389
307	317234.700	654840.725
IP15039	318059.407	654777.175
T320	317231.533	654769.696
T321	317328.792	654767.987
T322	317328.803	654763.987
T323	317390.803	654764.168
T324	317390.797	654766.168
T325	317691.796	654767.047
T326	317691.808	654763.047
T327	317816.810	654762.412
T328	317816.795	654767.412
T329	317982.795	654767.897
T330	317993.311	654751.928
T331	317995.553	654751.934
T332	317999.551	654855.446
T333	317939.539	654855.271
T334	317939.522	654861.271
T335	317797.522	654860.856
T336	317797.552	654850.856
T337	317655.552	654850.442
T338	317655.525	654859.942
T339	317442.525	654859.320
T340	317442.552	654850.320
T341	317400.552	654850.197
T342	317400.537	654855.197
T343	317378.537	654855.133

RW MONUMENT POINT NUMBER AND COORDINATE TABLE		
POINT NO.	Y	X
T344	317378.558	654848.133
T345	317267.558	654847.809
T346	317267.541	654853.809
T347	317235.469	654853.916
402	318371.048	654777.831
403	318387.021	654754.387
404	318438.535	654778.002
406	318574.363	654844.429
407	318448.518	654844.033
408	318444.816	654846.783
409	318443.063	654851.048
410	318383.187	654854.919
411	318379.053	654847.625
412	318372.264	654843.834
413	318068.738	654843.195
414	318065.703	654855.999
415	318064.934	654843.187
IP15039	318059.407	654777.175
IP15056	318571.030	654778.418
T420	318059.111	654768.079
T421	318086.731	654768.118
T422	318086.744	654759.118
T423	318132.744	654759.183
T424	318132.728	654770.183
T425	318367.728	654770.516
T426	318386.609	654747.543
T427	318437.968	654768.605
T428	318520.713	654768.687
T429	318520.720	654761.687
T430	318543.720	654761.710
T431	318543.714	654767.633
T432	318570.491	654767.736
T433	318575.136	654858.741
T434	318443.498	654858.610
T435	318384.545	654878.540
T436	318371.599	654861.521
T437	318339.599	654861.476
T438	318339.611	654853.476
T439	318078.611	654853.106
T440	318065.948	654860.088
500	318610.203	654778.541
501	318610.230	654751.776
502	318656.730	654751.822
503	318656.703	654778.687
504	318800.703	654779.140
505	318800.714	654767.965
506	318810.714	654767.975
507	318810.703	654779.171
508	318864.287	654779.339
509	319064.098	654691.833
510	319228.802	654512.205
512	319288.009	654566.373
513	319287.232	654567.216
514	319283.307	654563.661
515	319276.532	654561.715
516	319271.970	654562.785
517	319112.744	654736.438
518	318864.080	654845.339
519	318696.638	654844.813
520	318696.592	654890.862
521	318652.092	654890.818
522	318652.126	654856.818
523	318646.638	654844.656
524	318574.363	654844.429
525	319182.326	654660.551
526	318920.212	654840.795
527	319117.502	654411.416
528	319309.009	654585.724
529	319297.824	654485.668
IP15056	318571.030	654778.418
IP15061	319161.803	654362.494
IP15062	319353.734	654537.189
IP15069	319168.809	654675.293
T530	318570.491	654767.736
T531	318607.714	654767.773
T532	318607.735	654746.773
T533	318656.735	654746.822
T534	318656.714	654767.822
T535	318876.174	654748.837
T536	318920.068	654757.321
T537	318959.051	654746.646
T538	319018.621	654714.929
T539	319114.594	654617.267
T540	319118.991	654621.297
T541	319219.669	654511.456
T542	319201.239	654494.564
T543	319204.905	654490.565
T544	319264.301	654455.312
T545	319269.295	654449.852
T550	319337.179	654511.997
T551	319332.243	654517.385
T552	319294.270	654572.143
T553	319282.330	654568.890
T554	319101.064	654764.735
T555	319105.796	654769.893
T556	319086.796	654787.405
T557	319030.862	654819.171
T558	318973.079	654843.462
T559	318864.625	654857.529
T560	318709.625	654857.375
T561	318709.587	654895.875
T562	318645.587	654895.811
T563	318645.624	654858.811
T564	318575.136	654858.741
T565	319190.532	654668.071
T566	319176.947	654682.749

PLOT NAME :

PLOT BY : Drew Nelson

PLOT DATE : 8/13/2019 2:37 PM

PLOT DATE :

PLOT DATE :

FILE NAME : P:\49XX\4930 STH 89 - COLUMBIA CO\CADDS\#######\SHEETSPLAN\040106_RP_COORDINATES.DWG

APPRAISAL PLAT DATE : 12/07/2018

HENRY MORSE FARMHOUSE HISTORIC PROPERTY
KEVIN J. ADEN & LAURAL CLARKE
CHARTER COMM. (UG)
WE ENERGIES, (UG)
COLUMBUS W&L (UG)
TLE
EXISTING R/W
SI
AVALON ROAD
CITY OF COLUMBUS
R/W
EXISTING R/W
TLE
SI
ST JEROME'S ROMAN CATHOLIC CONGREGATION
ST JEROME'S CATHOLIC CHURCH/SCHOOL HISTORIC PROPERTY
WE ENERGIES (UG)
CAUTION
CAUTION
3+00'NB'
4+00'NB'
5+00'NB'
6+00'NB'
7+00'NB'
8+00'NB'
CHARTER COMM. (TV)
CHARTER COMM. (OH)
EXISTING R/W
COLUMBUS W&L (UG)
COLUMBUS W&L (OH)
AT&T TELE. (UG)
SI
HMA
TLE
BEGIN PROJECT
STA 2+93.03'NB'
KESTREL GOLF PROPERTIES LLC.
SIGN
SIGN
WILLIAM M. HOFFMAN
KESTREL GOLF PROPERTIES LLC.

STA 2+93.03
EL 841.06
STA 3+22.59
EL 841.03
STA 5+06.23
EL 840.59
-0.09%
-0.24%
PROPOSED PROFILE
EXISTING PROFILE
EXISTING NB PROFILE ELEVATION
PROPOSED NB PROFILE ELEVATION
840
832
841.05
840.96
840.84
840.72
840.60
840.37
840.12
839.87
839.62
839.37
839.12
3+00
4+00
5+00
6+00
7+00
8+00

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN AND PROFILE: STH 89 MAINLINE	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\050101_PP.DWG
LAYOUT NAME - 050101_pp01
PLOT DATE : 8/26/2019 9:49 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

PRE_158

ST JEROME'S CATHOLIC CHURCH/SCHOOL
HISTORIC PROPERTY

ST JEROME'S
ROMAN CATHOLIC
CONGREGATION

HMA

TLE

EXISTING R/W

SI

WE ENERGIES (UG)

CAUTION

9+00'NB'

10+00'NB'

11+00'NB'

12+00'NB'

13+00'NB'

14+00'NB'

STH 89

SAN

OH

CHARTER COMM. (OH)

COLUMBUS W&L (UG)

COLUMBUS WASTEWATER

EXISTING R/W

COLUMBUS W&L (OH)

AT&T TELE. (UG)

KESTREL GOLF
PROPERTIES LLC.

STA 13+87.88'NB' - STA 14+24.88'NB'
PACS 21"X15", 37 LF
IE IN: 832.975'
IE OUT: 832.790'

JOHNSON'S PROPERTY
IN COLUMBUS, LLC.

5

5

VCL = 100.00

K = 87.00

VPC STA 13+37.00
VPC EL 836.43

VPI STA 13+87.00
VPI EL 836.18

VPT STA 14+37.00
VPT EL 836.51

PROPOSED PROFILE

EXISTING PROFILE

-0.50%

EXISTING NB PROFILE ELEVATION

PROPOSED NB PROFILE ELEVATION

840

830

828

8 9 10 11 12 13 14

838.62 838.37 838.12 837.87 837.62 837.37 837.12 836.87 836.62 836.38 836.35

9+00 10+00 11+00 12+00 13+00 14+00

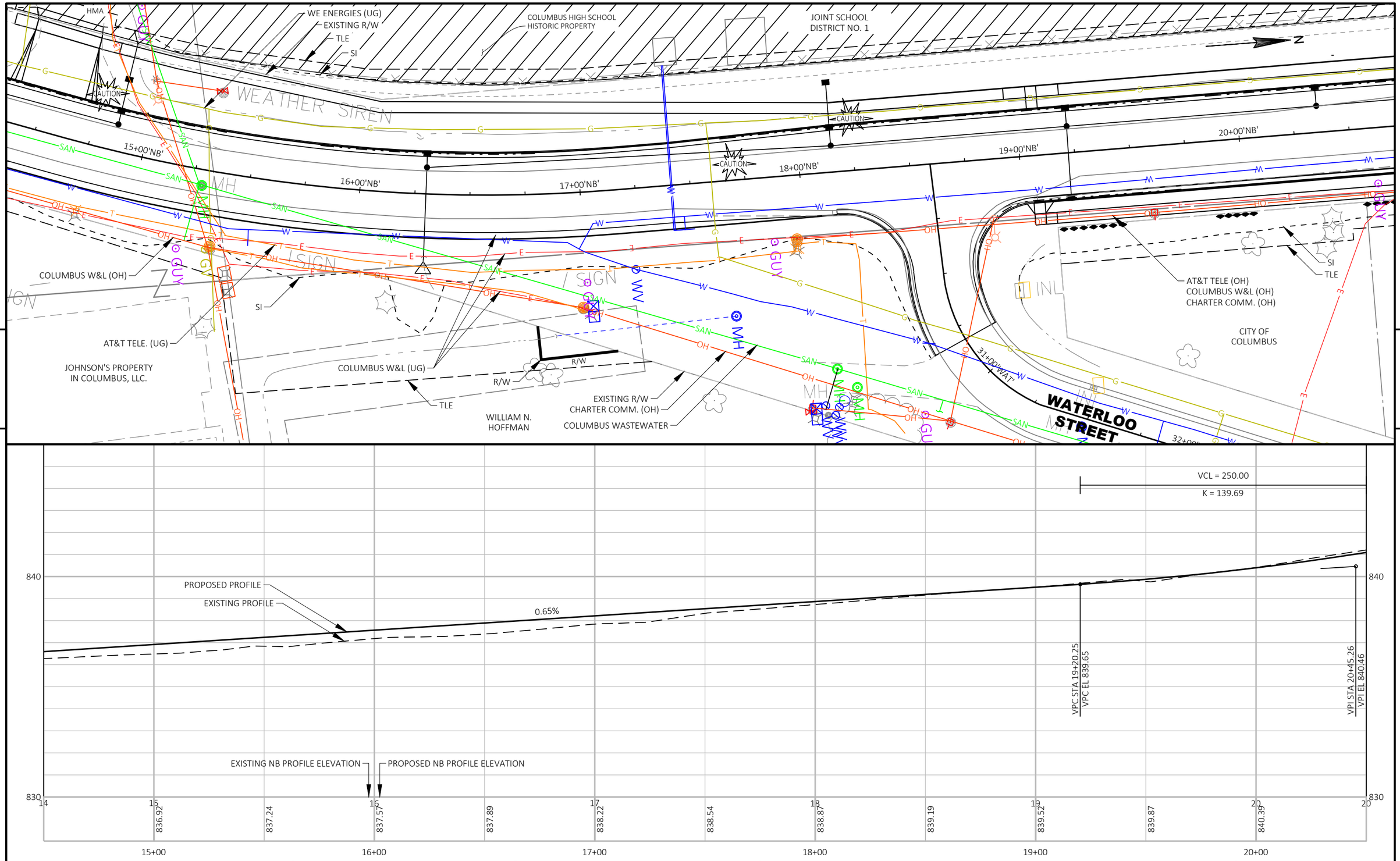
PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN AND PROFILE: STH 89 MAINLINE	SHEET E

PRE_159

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\050101_PP.DWG
LAYOUT NAME - 050101_pp02

PLOT DATE : 8/26/2019 9:50 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

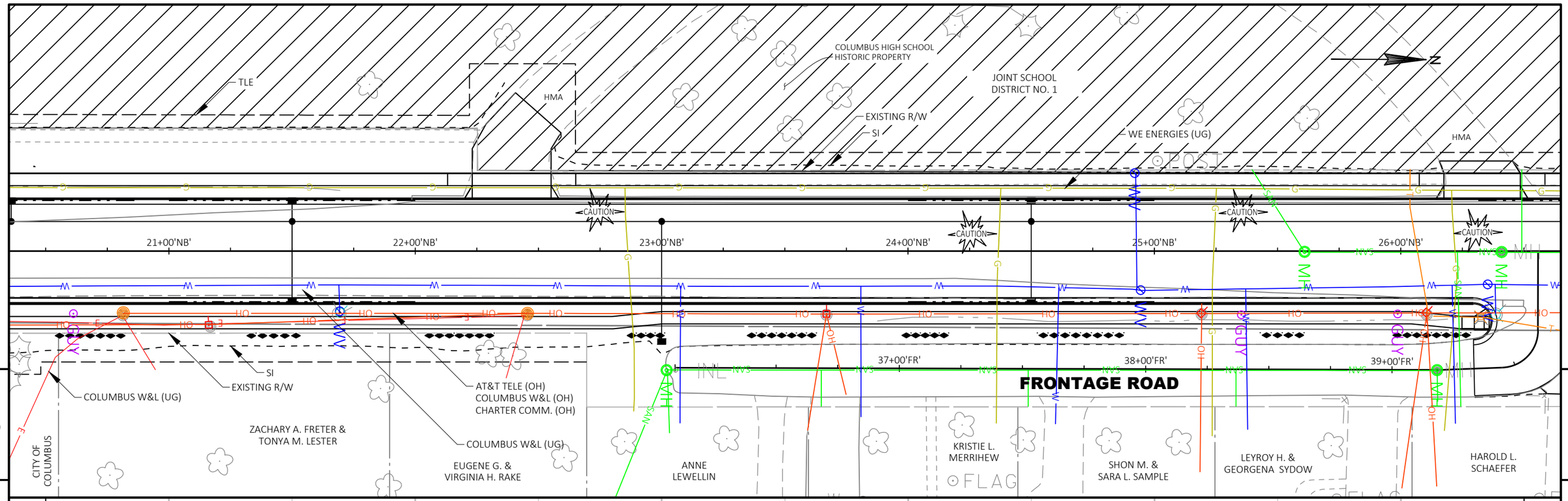


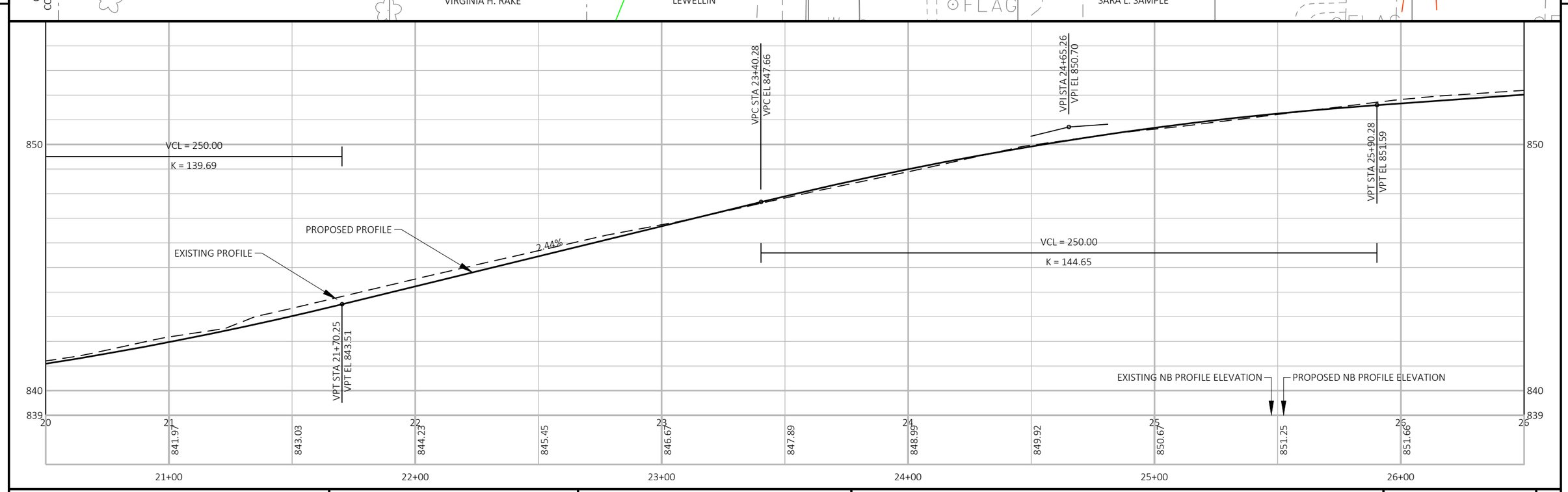
PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN AND PROFILE: STH 89 MAINLINE	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\050101_PP.DWG
LAYOUT NAME - 050101_pp03

PLOT DATE : 8/26/2019 9:50 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

PRE_160





PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN AND PROFILE: STH 89 MAINLINE	SHEET E

JOINT SCHOOL DISTRICT NO. 1
COLUMBUS HIGH SCHOOL HISTORIC PROPERTY
JOINT SCHOOL DISTRICT NO. 1
JOINT SCHOOL DISTRICT NO. 1
JOINT SCHOOL DISTRICT NO. 1
JOINT SCHOOL DISTRICT NO. 1
COLUMBUS SCHOOL DISTRICT
COLUMBUS SANITARY
TLE
HMA
UNITE PRIVATE NETWORKS (UG)
WE ENERGIES (UG)
HMA
EXISTING R/W
SI
CAUTION
CAUTION
27+00'NB'
28+00'NB'
29+00'NB'
30+00'NB'
31+00'NB'
32+00'NB'
HMA
ANDREA L. & ANTHONY A. LUEY
HMA
SHIRLEY M. HOFFMAN
PCC
GRAVEL
SI
TLE
EXISTING R/W
AT&T TELE (OH)
COLUMBUS W&L (OH)
CHARTER COMM. (OH)
PCC
HMA
HMA
COLUMBUS W&L (UG)
HAROLD L. SCHAEFER
PAMELA B. SANDERSON
FREDRICK W. & PEGGY S. GOETSCH
FREDRICK W. & PEGGY S. GOETSCH
JASON R. WEISSMANN
JENNIFER R. BARNETT TRUST
MARYLS WEIHERT

5

5

860
850
846

VPC STA 29+47.49
VPC EL 854.13
VPI STA 30+09.99
VPI EL 854.58
VPT STA 30+72.49
VPT EL 854.14
VPC STA 32+45.88
VPC EL 852.92

VCL = 200.00
K = 994.22

PROPOSED PROFILE
EXISTING PROFILE
0.71%
-0.70%

VCL = 125.00
K = 88.52

EXISTING NB PROFILE ELEVATION
PROPOSED NB PROFILE ELEVATION

26 27 28 29 30 31 32

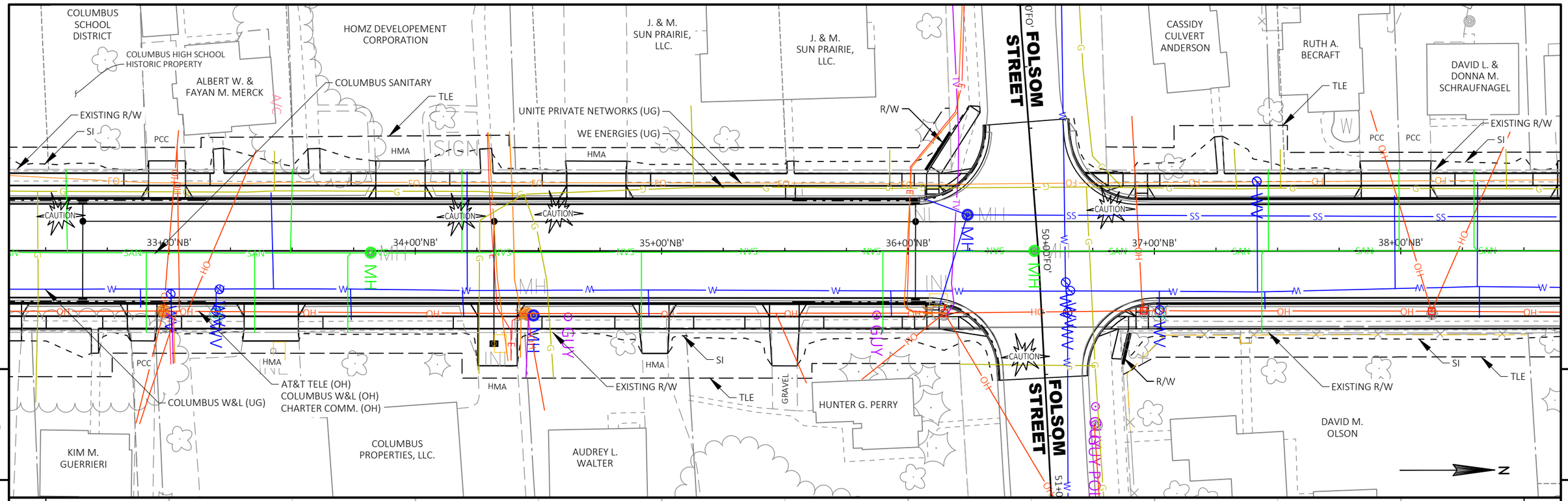
852.37 852.73 853.08 853.44 853.80 854.15 854.35 854.27 853.95 853.60 853.24

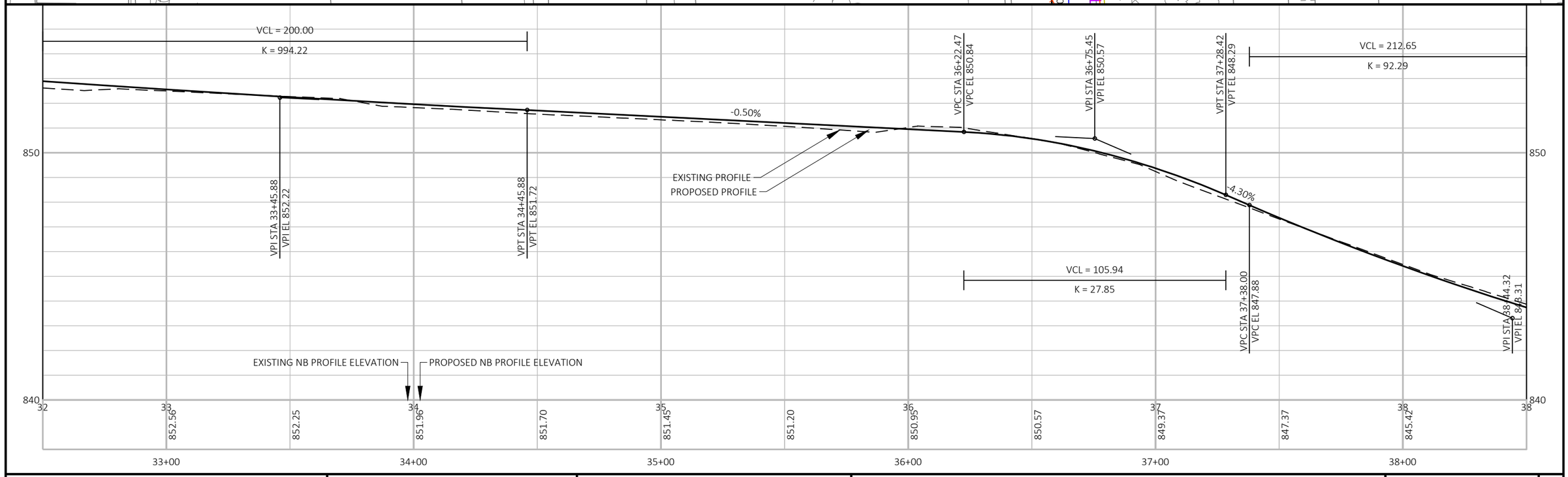
27+00 28+00 29+00 30+00 31+00 32+00

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN AND PROFILE: STH 89 MAINLINE	SHEET E

PRE_162

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\050101_PP.DWG
LAYOUT NAME - 050101_pp05
PLOT DATE : 8/26/2019 9:50 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT



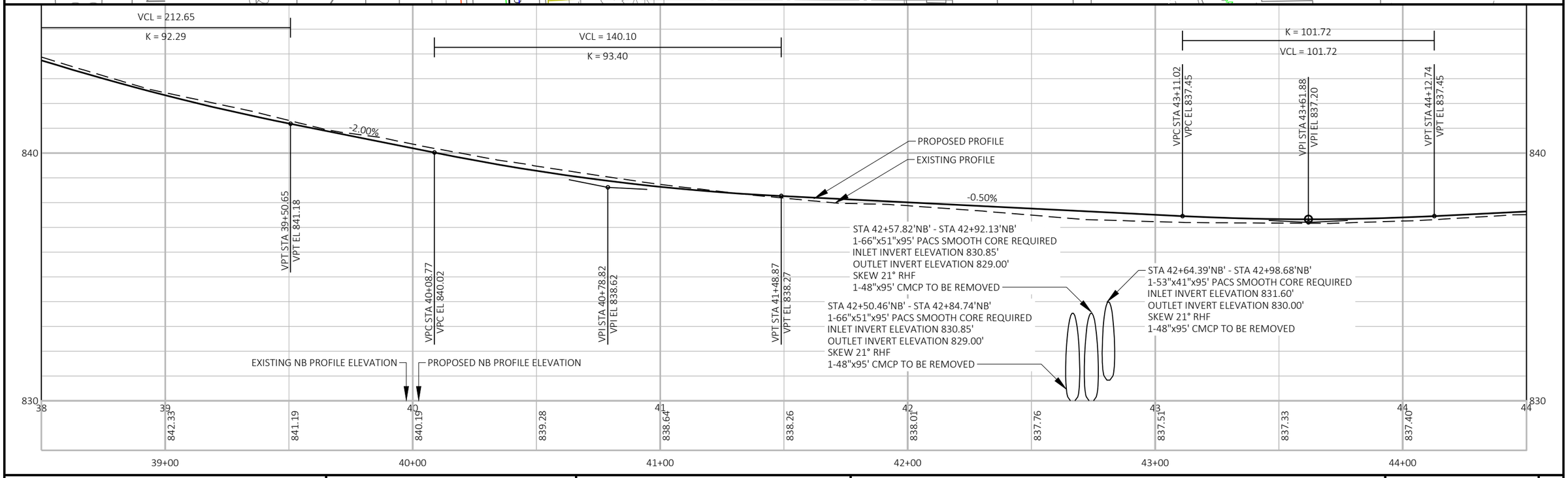


PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN AND PROFILE: STH 89 MAINLINE	SHEET E

PRE_163

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\050101_PP.DWG
LAYOUT NAME - 050101_pp06
PLOT DATE : 8/26/2019 9:50 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

CHARITY M. STROHBEEN
ZACHARY L. GADICKE
SHERI L. BEARD
UNITE PRIVATE NETWORKS (UG)
TERRY D. & KRISTEN K. HARDESTY
WE ENERGIES (UG)
GRAVEL
EXISTING R/W
SI
TLE
COLUMBUS SANITARY
PCC
POET STREET
2ND WARD CREEK
J. R. KURTH RENTAL PROPERTIES, LLC.
HMA
R/W
STA 42+50.46'NB, -41.98' LT
66"X51"X95' PACS SMOOTH CORE CULVERT
STA 42+57.82'NB, -42.29' LT
66"X51"X95' PACS SMOOTH CORE CULVERT
STA 42+64.39'NB, -43.18' LT
53"X41"X95' PACS SMOOTH CORE CULVERT
N
39+00'NB'
40+00'NB'
41+00'NB'
42+00'NB'
43+00'NB'
44+00'NB'
CAUTION
60+00PO'
COLUMBUS W&L (UG)
AT&T TELE (OH)
COLUMBUS W&L (OH)
CHARTER COMM. (OH)
DONALD EUGENE, JR & VESNA KOVACS
ROSA I. SERRATO
JOSEPH SIEGEL & FLORENCIA DJAJA
STA 42+84.74'NB, 46.60' RT
66"X51"X95' PACS SMOOTH CORE CULVERT
STA 42+92.13'NB, 46.29' RT
66"X51"X95' PACS SMOOTH CORE CULVERT
STA 42+98.68'NB, 45.32' RT
53"X41"X95' PACS SMOOTH CORE CULVERT
5



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN AND PROFILE: STH 89 MAINLINE	SHEET E

UNITE PRIVATE NETWORKS (UG)
WE ENERGIES (UG)
EXISTING R/W
SI
TLE
KURTH BREWERY HISTORIC PROPERTY
COLUMBUS SANITARY
GRAVEL
PCC
HMA
CAUTION
44+00'NB'
45+00'NB'
46+00'NB'
47+00'NB'
48+00'NB'
49+00'NB'
50+00'NB'
71+00'EB'
COLUMBUS W&L (UG)
SI
TLE
EXISTING R/W
AT&T TELE (OH)
COLUMBUS W&L (OH)
CHARTER COMM. (OH)
END PROJECT
STA 50+12.99'NB'
STA 69+54.98'EB'
STA 70+44.58'EB'
STH 73/PARK AVE
N
5
5

PROPOSED PROFILE
EXISTING PROFILE
VCL = 135.00
K = 37.60
VCL = 90.00
K = 57.18
0.50%
4.09%
2.52%
2.45%
VPC STA 47+05.05
VPC EL 838.92
VPI STA 47+72.55
VPI EL 839.25
VPT STA 48+40.05
VPT EL 842.01
VPC STA 49+02.54
VPC EL 844.57
VPI STA 49+47.53
VPI EL 846.41
VPT STA 49+92.54
VPT EL 847.54
STA 49+92.68
EL 847.55
EXISTING NB PROFILE ELEVATION
PROPOSED NB PROFILE ELEVATION
840
834
44
45
46
47
48
49
50
50
837.89
838.14
838.39
838.64
838.89
839.41
840.59
842.42
844.47
846.31
847.73
45+00
46+00
47+00
48+00
49+00
50+00

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN AND PROFILE: STH 89 MAINLINE	SHEET E

PRE_165

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\050101_PP.DWG
LAYOUT NAME - 050101_pp08
PLOT DATE : 8/26/2019 9:50 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

ST JEROME'S ROMAN CATHOLIC CONGREGATION

ST JEROME'S CATHOLIC CHURCH/SCHOOL HISTORIC PROPERTY

CITY OF COLUMBUS

SIGN

TLE

EXISTING R/W

R/W

EXISTING R/W

R30'

CAUTION

CAUTION

CAUTION

CAUTION

R30'

CAUTION

TLE

EXISTING R/W

SI

5+00

4+00

STH 89

STH 89

SI

EXISTING R/W

KESTREL GOLF PROPERTIES LLC.

WILLIAM M. HOFFMAN

TLE

KESTREL GOLF PROPERTIES LLC.

SIGN

N

AVALON ROAD

7+00'AV'

8+00'AV'

9+00'AV'

KEVIN J. ADEN & LAURAL CLARKE

END CONSTRUCTION
STA 9+52.18'AV'
MATCH EXISTING
SAW CUT REQ'D

HENRY MORSE FARMHOUSE HISTORIC PROPERTY

SEPC

SEPC

5

5

EXISTING PROFILE

PROPOSED PROFILE

STA 9+52.18
EL 840.68

STA 9+83.00
EL 840.48

STA 9+88.00
EL 840.58

STA 10+00.00
EL 840.82

-0.65%

2.00%

2.00%

850

840

6

7

8

9

10

10

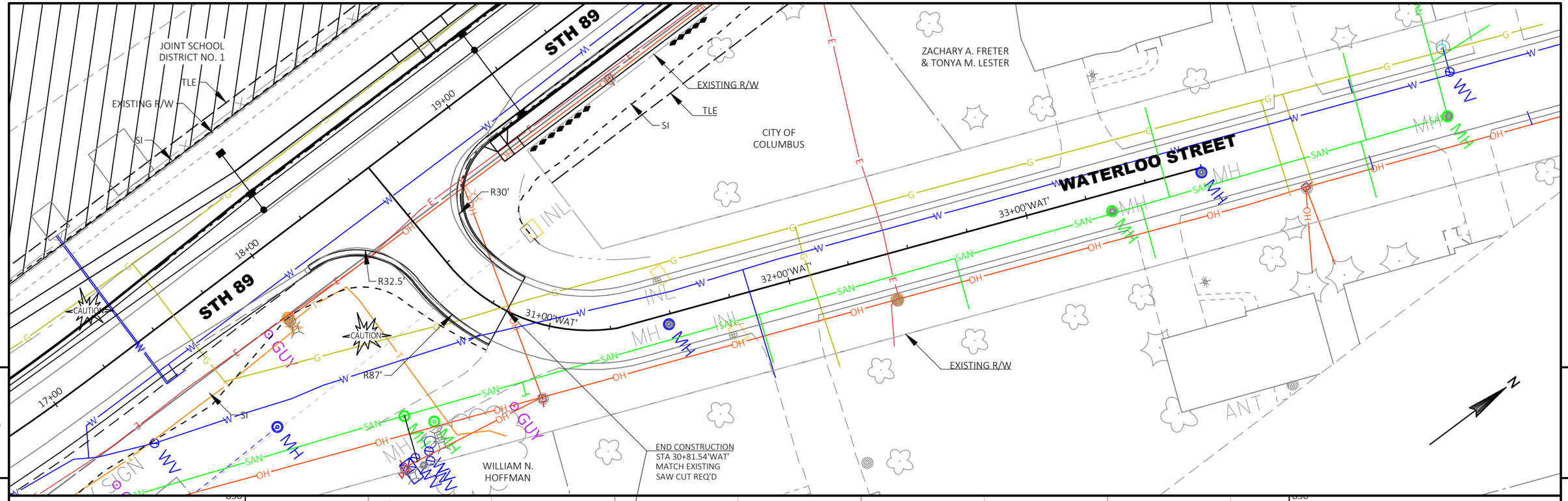
PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN AND PROFILE: AVALON ROAD	SHEET E

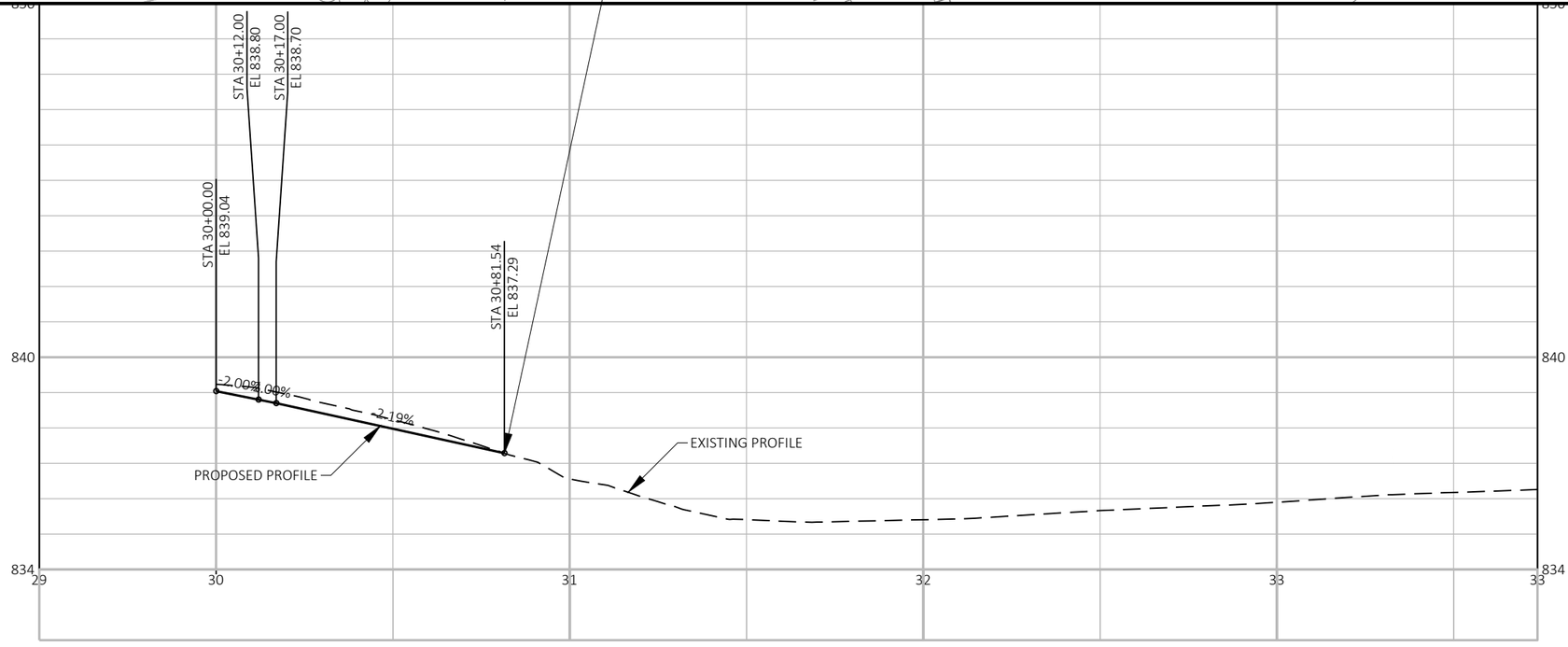
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LAYOUT NAME - 050102_pp01

PLOT DATE : 8/12/2019 9:26 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

PRE_166

WISDOT/CADDS SHEET 44

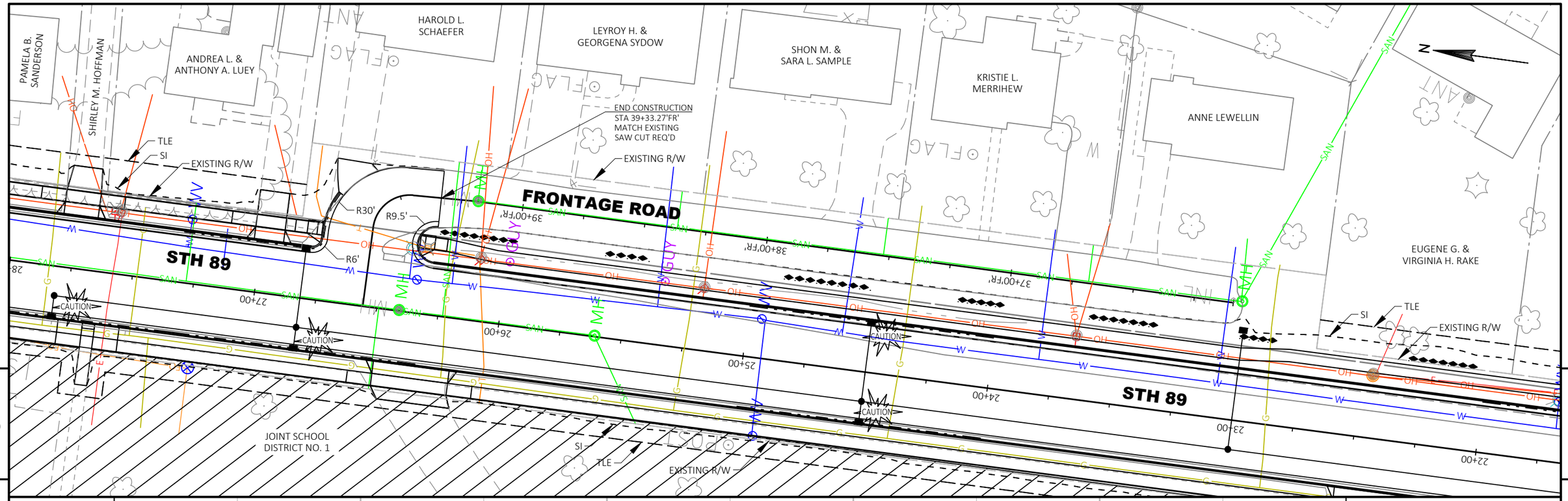


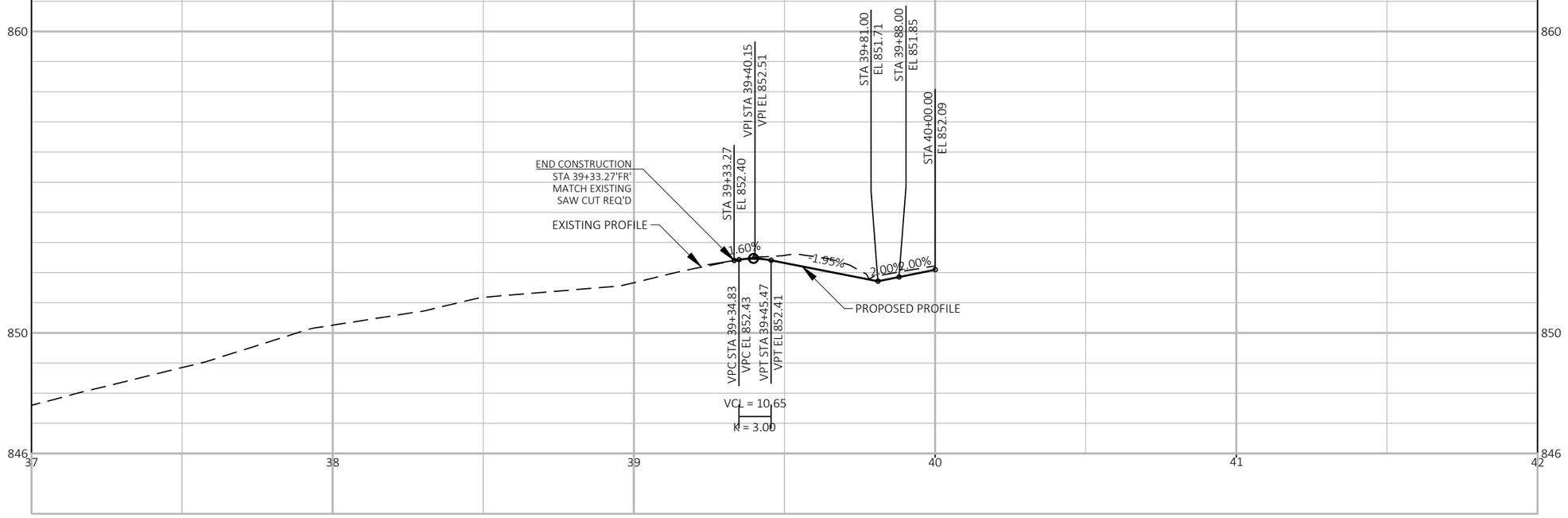


PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN AND PROFILE: WATERLOO STREET	SHEET PRE_167 E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\050102_PP.DWG
LAYOUT NAME - 050102_pp02

PLOT DATE : 8/12/2019 9:26 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT





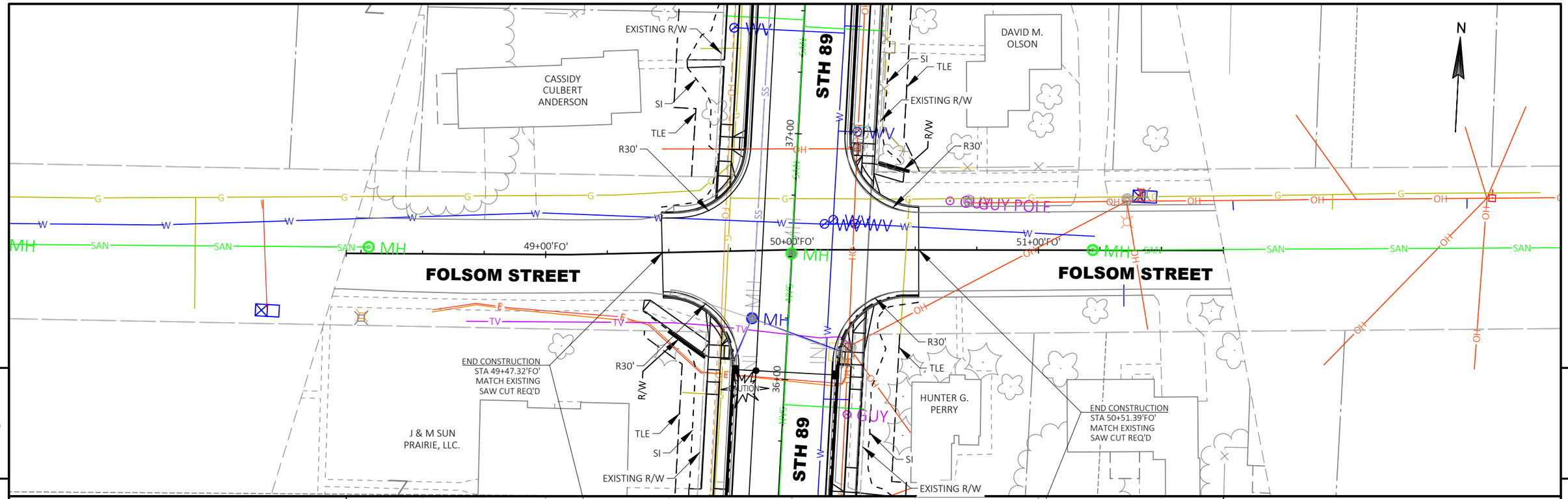
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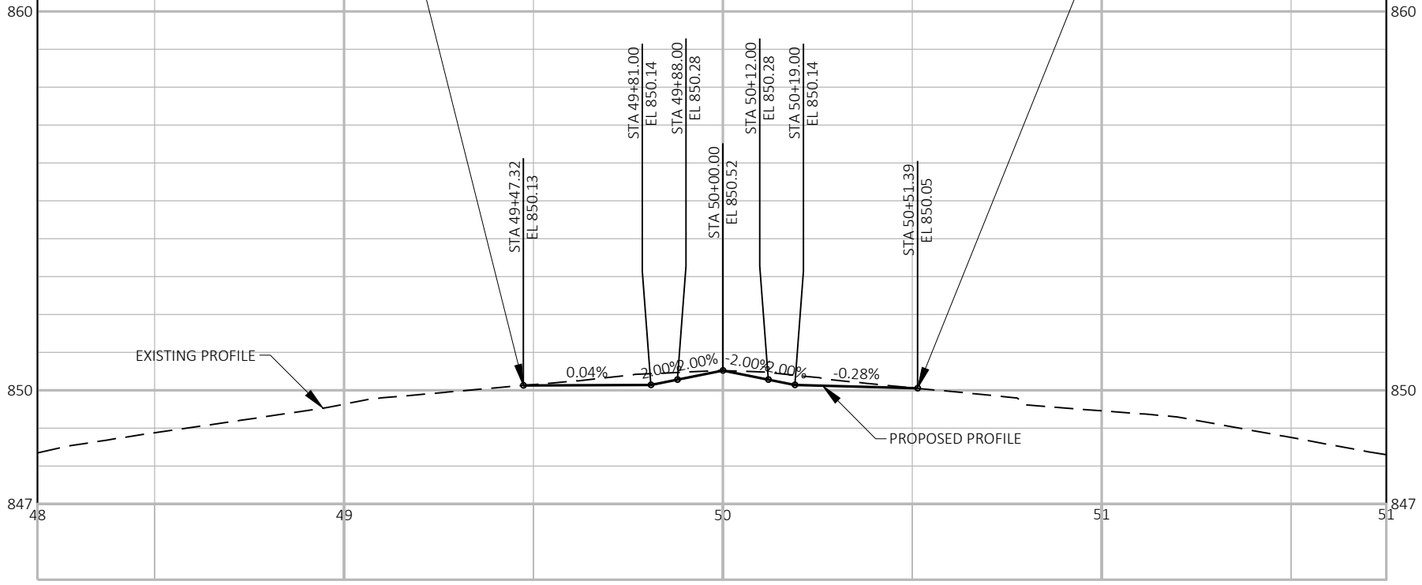
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LAYOUT NAME - 050102_pp03

PLOT DATE : 8/12/2019 9:26 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

PRE_168

WISDOT/CADDS SHEET 44





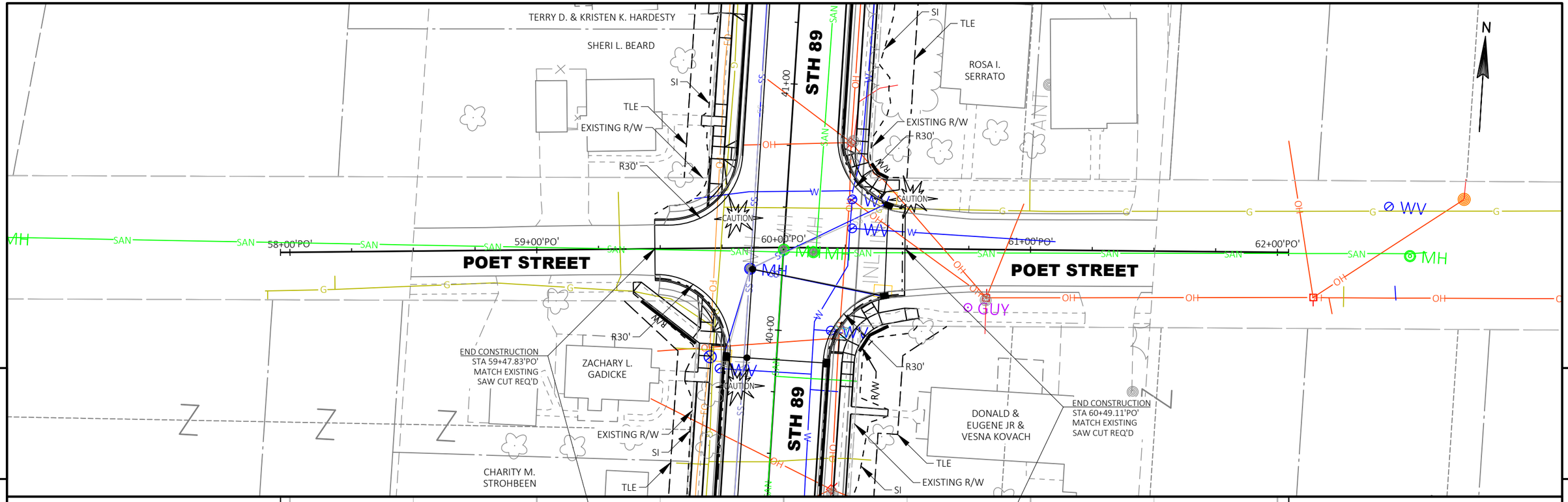
PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN AND PROFILE: FOLSOM STREET	SHEET E

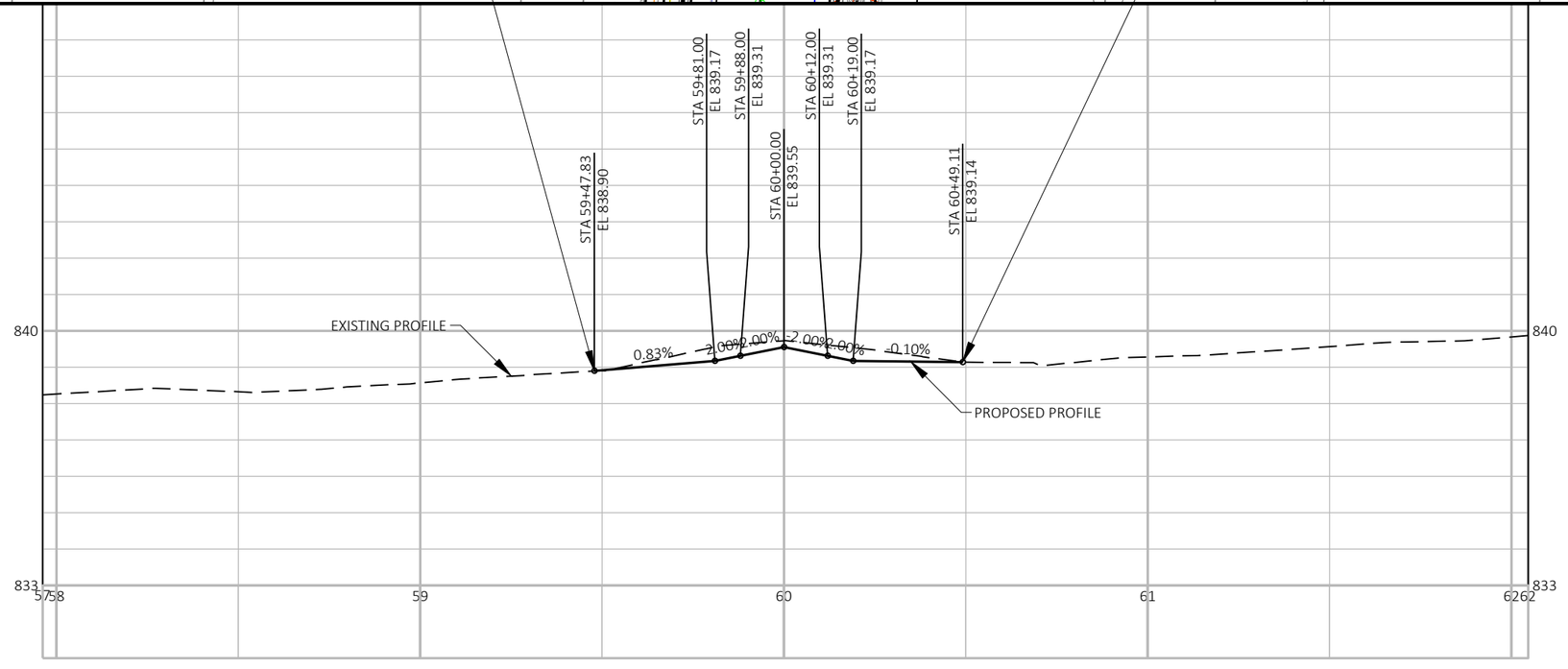
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LAYOUT NAME - 050102_pp04

PLOT DATE : 8/12/2019 9:26 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

PRE_169

WISDOT/CADDS SHEET 44





PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN AND PROFILE: POET STREET	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\050102_PP.DWG
LAYOUT NAME - 050102_pp05

PLOT DATE : 8/12/2019 9:26 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

PRE_170

STEPHANIE L. VICK

CITY OF COLUMBUS

MABEL J. HAYES

EXISTING R/W

TLE

SI

CONCRETE TERRACE (WISDOT RED)

MOUNTABLE CURB AND GUTTER

67+00'EB' 68+00'EB' 69+00'EB' 70+00'EB' 71+00'EB' 72+00'EB' 73+00'EB'

STH 73/PARK AVE

STH 73/PARK AVE

50+00

R25'

R25'

CAUTION

END CONSTRUCTION
STA 59+47.83'EB'
MATCH EXISTING
SAW CUT REQ'D

JOHN F. KURTH AND COLUMBUS TRANSPORT CO. INC.

EXISTING R/W

KURTH BREWERY HISTORIC PROPERTY

SI

TLE

STH 89

SEM OC COLUMBUS, LLC

TLE

EXISTING R/W

SI

END CONSTRUCTION
STA 70+44.58'EB'
MATCH EXISTING
SAW CUT REQ'D

THE POSER CORPORATION

5

5

N

67+00.00 68+00.00 69+00.00 70+00.00 71+00.00 72+00.00 73+00.00

STA 69+54.98
EL 848.30

STA 70+00.00
EL 848.04

STA 70+44.58
EL 847.93

EXISTING PROFILE

-0.57%

-0.25%

PROPOSED PROFILE

67 68 69 70 71 72 73

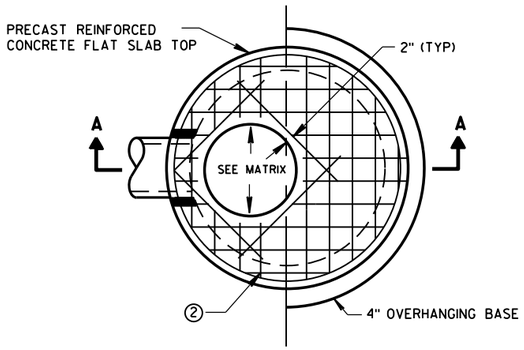
849.58 849.29 848.92 848.84 848.62 848.33 848.04 847.92 847.70 847.52 847.23 846.94 846.74

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	PLAN AND PROFILE: STH 73 / PARK AVENUE	SHEET E

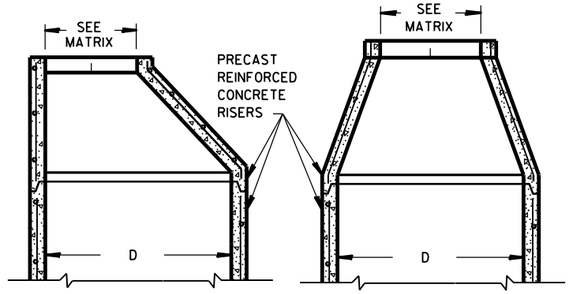
PRE_171

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\050102_PP.DWG
LAYOUT NAME - 050102_pp06

PLOT DATE : 8/12/2019 9:26 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

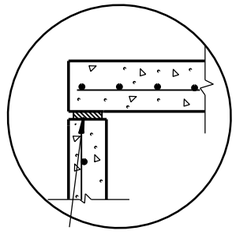


PLAN VIEW CIRCULAR OPENING

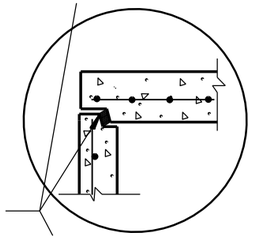


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

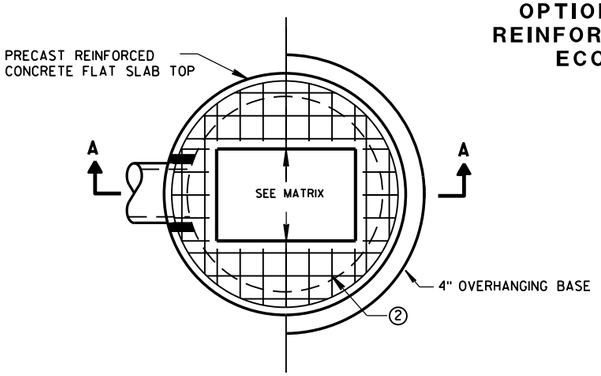
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



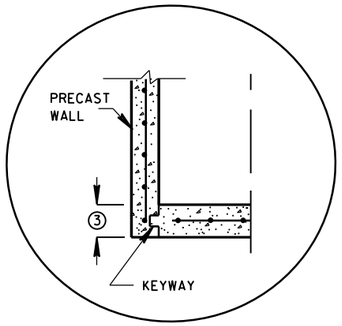
TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT

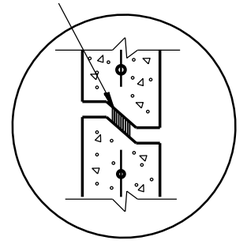


PLAN VIEW RECTANGULAR OPENING



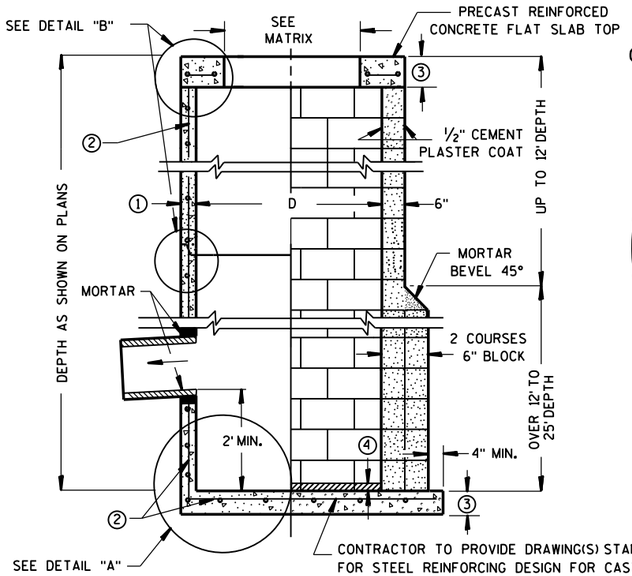
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



RISER WITH TONGUE AND GROOVE JOINT

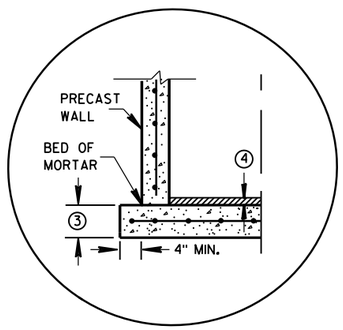
DETAIL "B"



SECTION A-A

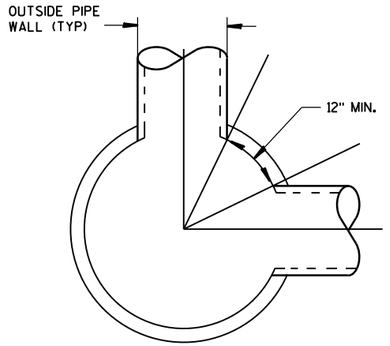
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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



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 CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

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

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

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

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

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

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

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

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES FOR 6-FT DIAMETER PRECAST CATCH BASINS.

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

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

④ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER OPENING MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT)											
3-FT	2X2	X	X					X		X		
	2 DIA.				X							X
4-FT-6-FT	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2 DIA.				X							X
	2X3						X					
	2.5X3					X						

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

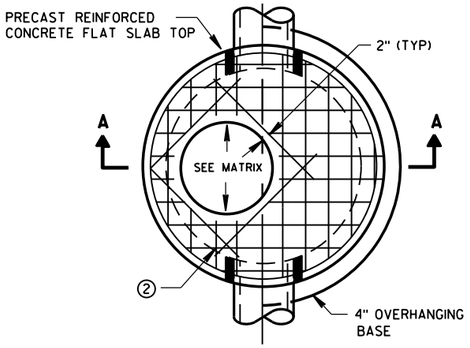
PRE_172

6

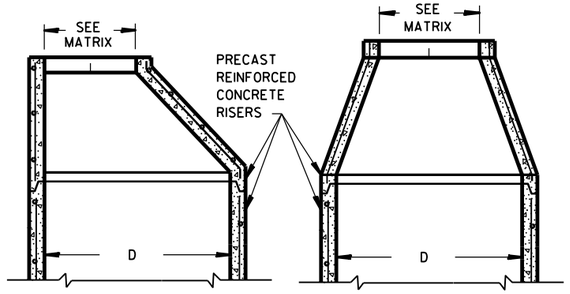
S.D.D. 8 A 8-2

6

S.D.D. 8 A 8-2

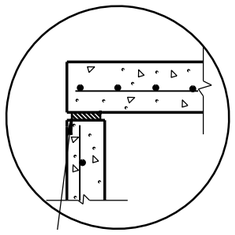


PLAN VIEW CIRCULAR OPENING

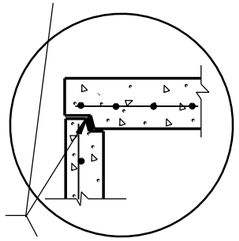


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

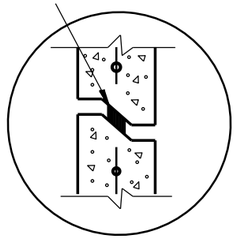


TOP WITH PLAIN END JOINT



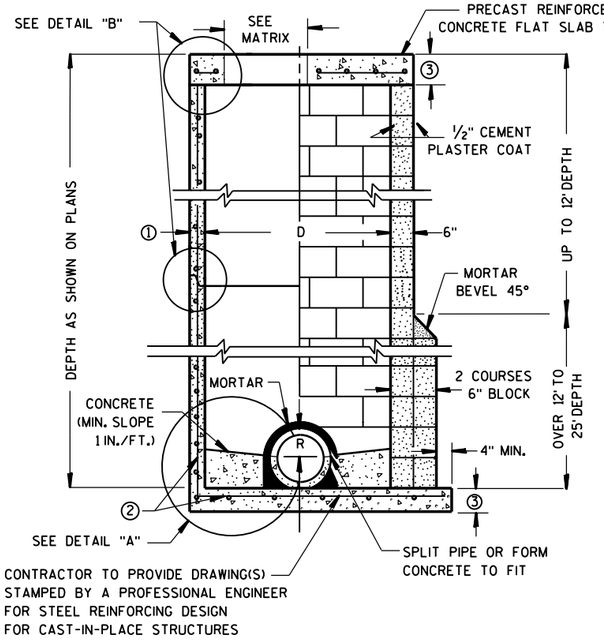
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



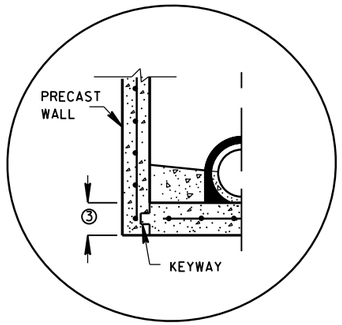
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

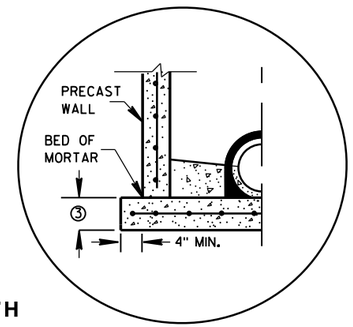


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

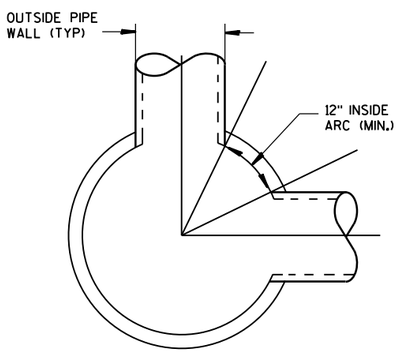


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



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

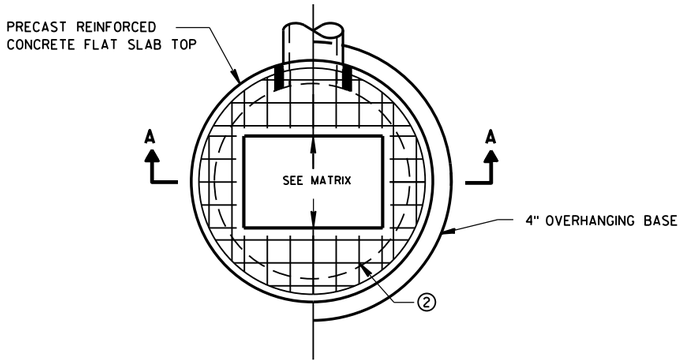
APPROVED

Sept., 2016
DATE

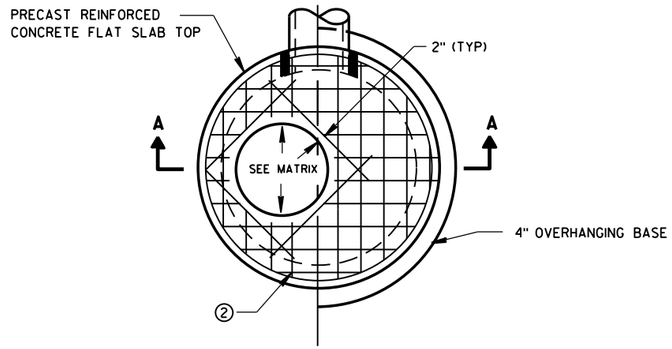
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SU PRE_173

FHWA

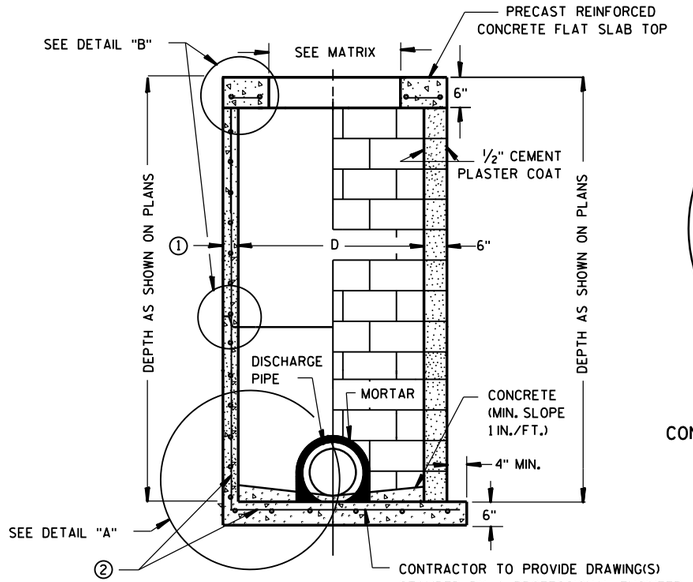
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S.D.D. 8 B 9-2



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

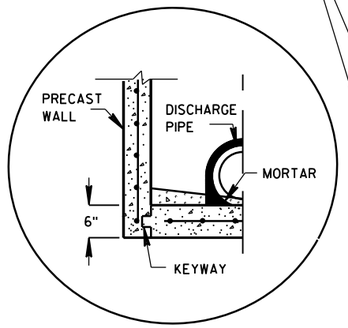


SECTION A-A

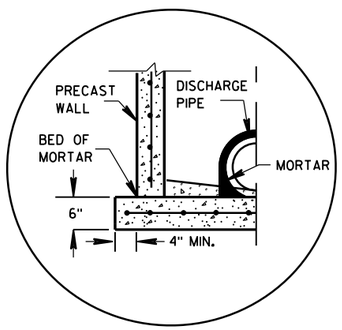
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

CIRCULAR INLETS W/ FLAT TOP

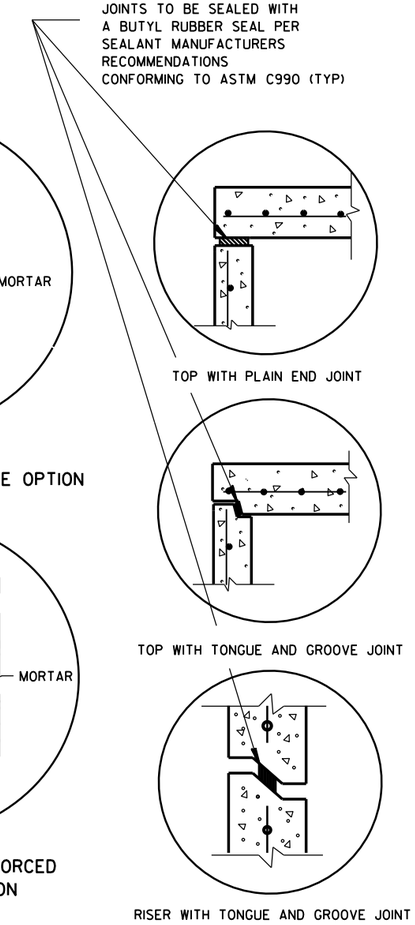


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



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.

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ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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

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

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

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

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

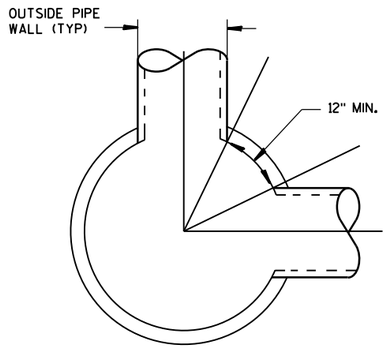
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

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

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

INLET COVER OPENING MATRIX

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



DETAIL "C"

PIPE MATRIX

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

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept.. 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT
FHWA

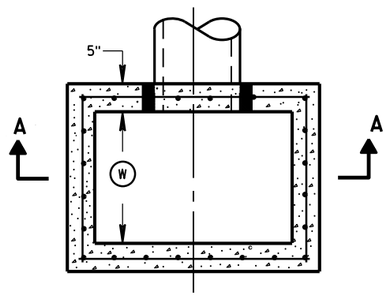
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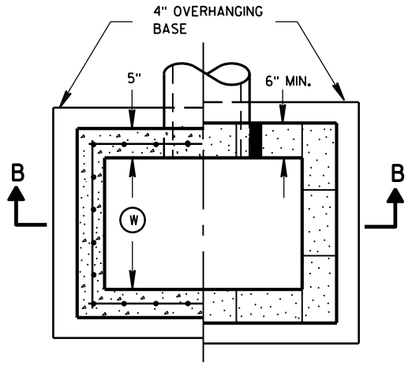
S.D.D. 8 C 6-2

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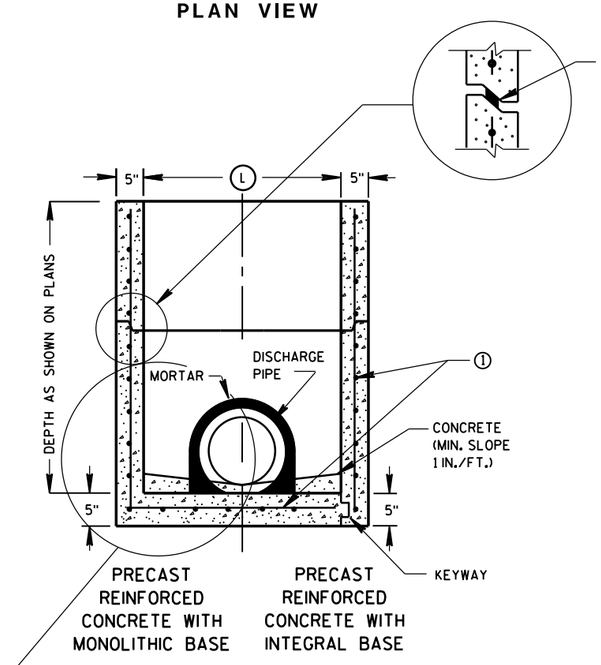
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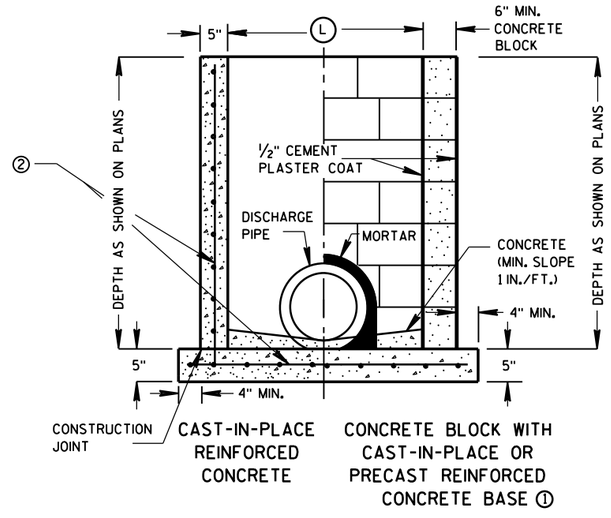
PLAN VIEW



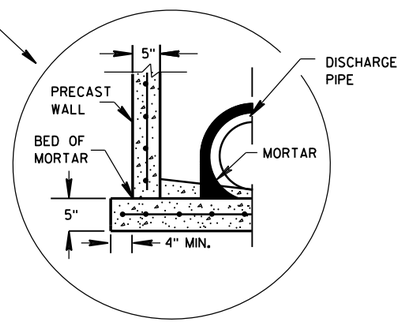
PLAN VIEW



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.

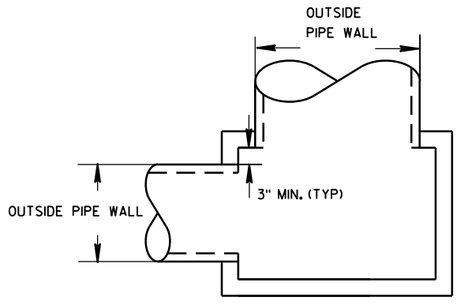
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

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



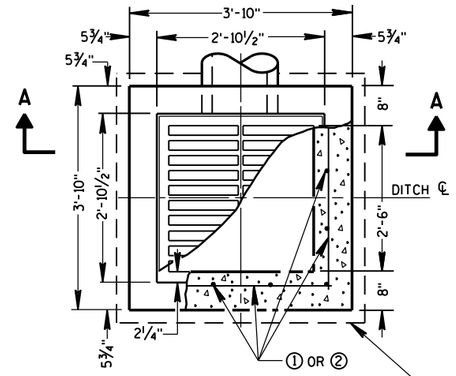
DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

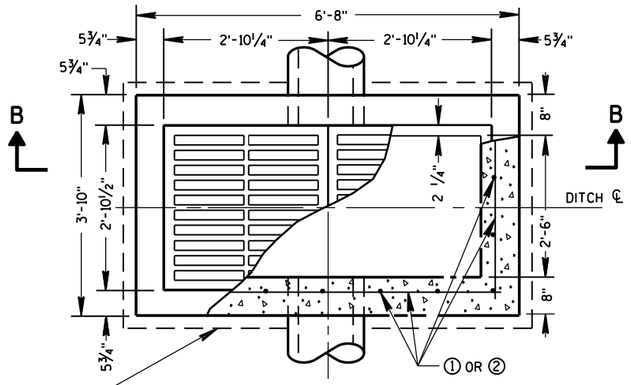
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDAR
UNIT SUP
FHWA

PRE_175

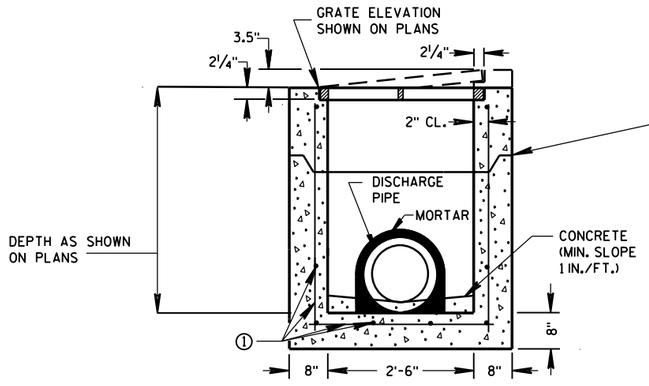


PLAN VIEW

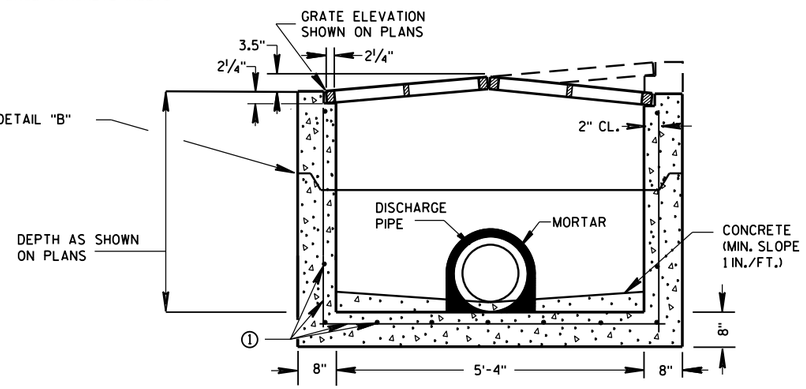


PLAN VIEW

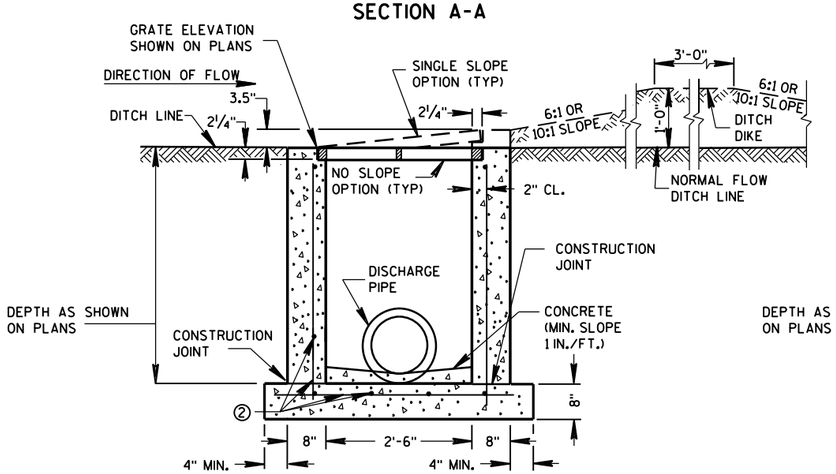
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



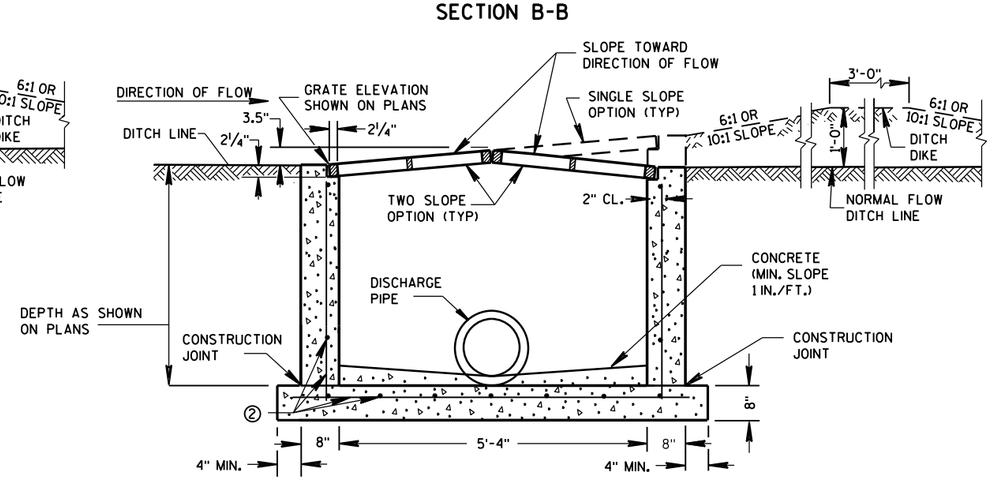
PRECAST REINFORCED CONCRETE SECTION A-A



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

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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, IG-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.

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

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

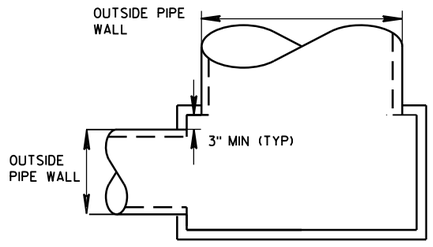
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

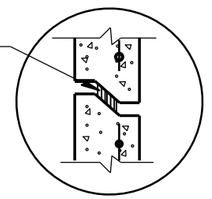
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SU
FHWA

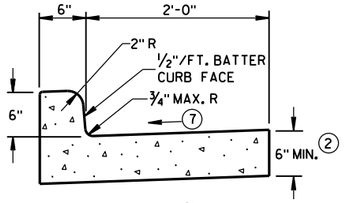
PRE_176

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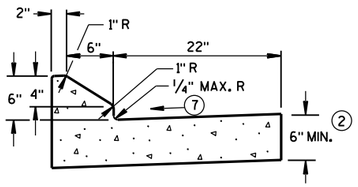
S.D.D. 8 C 8-2

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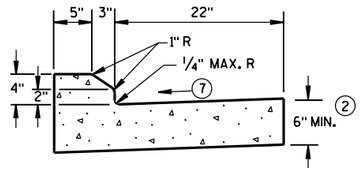
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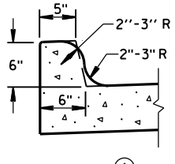
TYPES A (1) & D



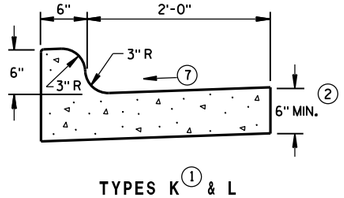
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

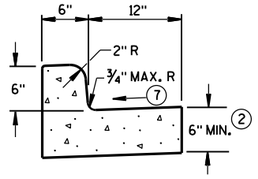


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



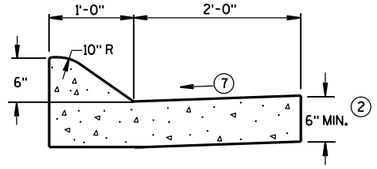
TYPES K (1) & L

CONCRETE CURB & GUTTER 30"

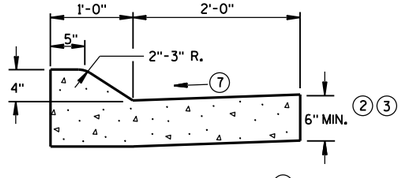


TYPES A (1) & D

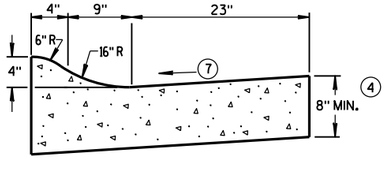
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

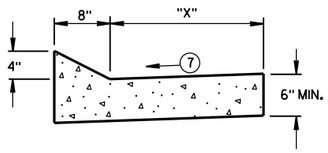


4" SLOPED CURB TYPES A (1) & D



4" SLOPED CURB TYPES R (1) & T (5)

CONCRETE CURB & GUTTER 36"



TYPES TBT & TBTT (1)

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(5) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

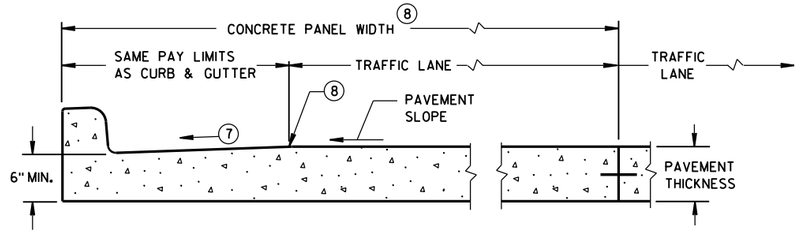
(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

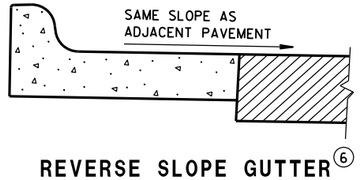
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT *
WITH INTEGRAL CURB & GUTTER

* BIKE LANE IS NOT SHOWN.



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

CONCRETE CURB & GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

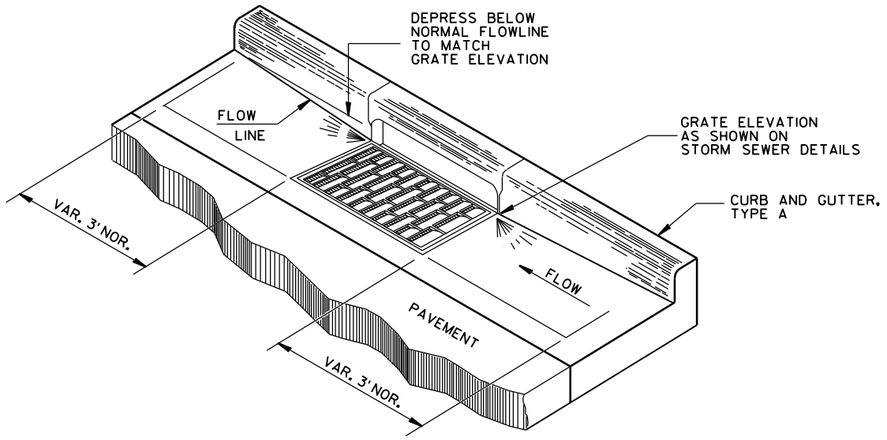
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S.D.D. 8 D 1-20a

6

S.D.D. 8 D 1-20a



DETAIL OF CURB AND GUTTER AT INLETS

(TYPE H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

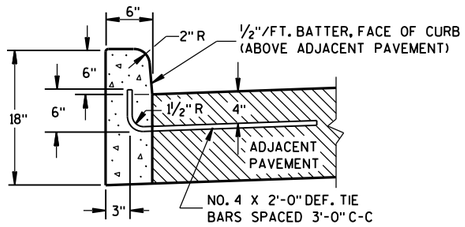
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

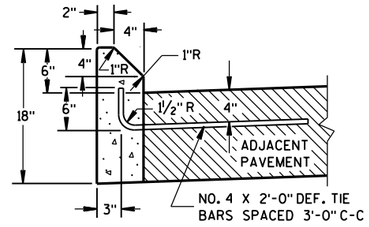
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(9) REFER TO SDD 8D18 AND SDD 8D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

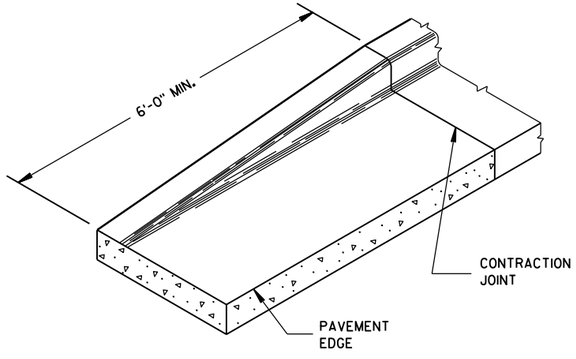


TYPES A(1) & D

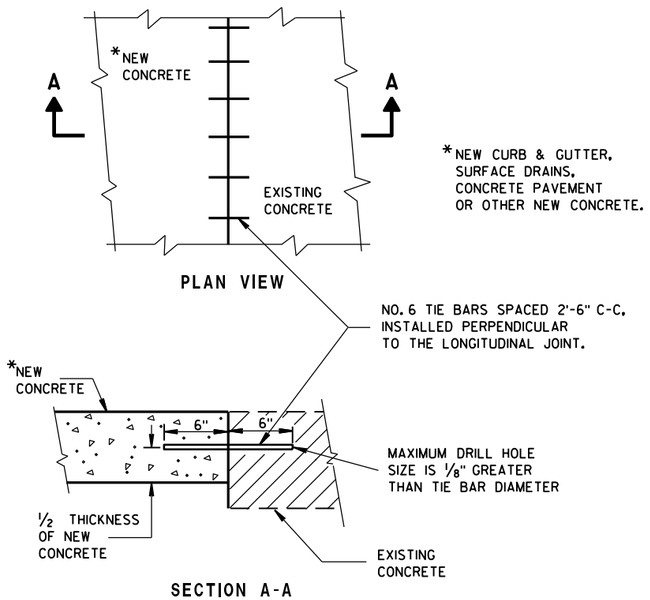


TYPES G(1) & J

CONCRETE CURB



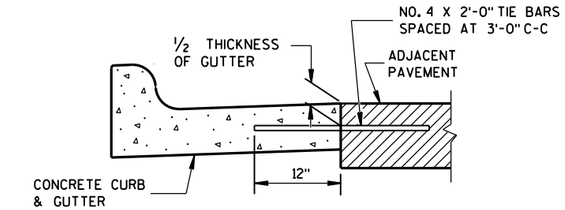
END SECTION CURB & GUTTER



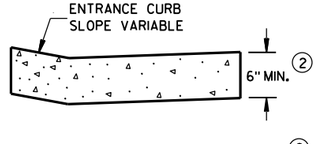
PLAN VIEW

SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2017
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR

FHWA

PRE_178

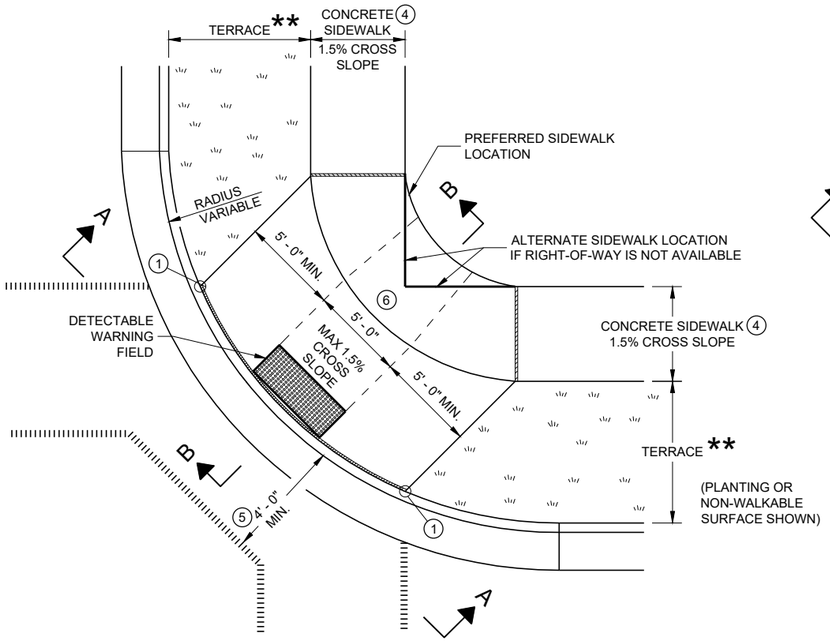
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S.D.D. 8 D 1-20b

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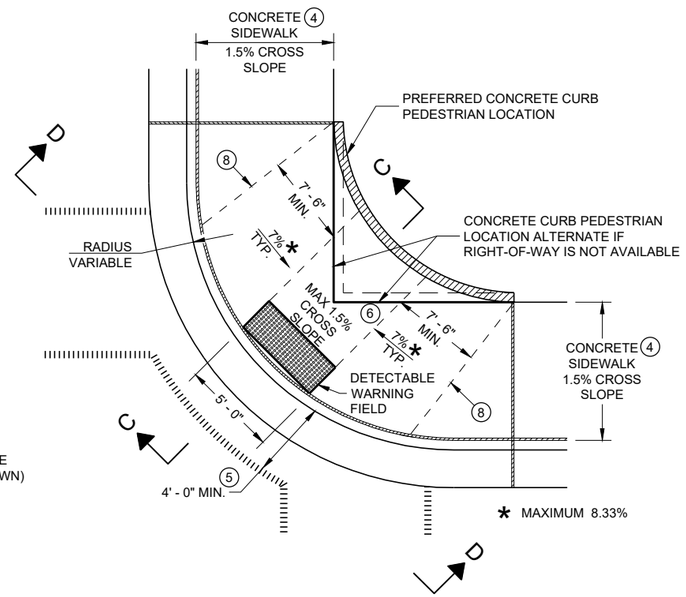
S.D.D. 8 D 1-20b



PLAN VIEW

CURB RAMP TYPE 1

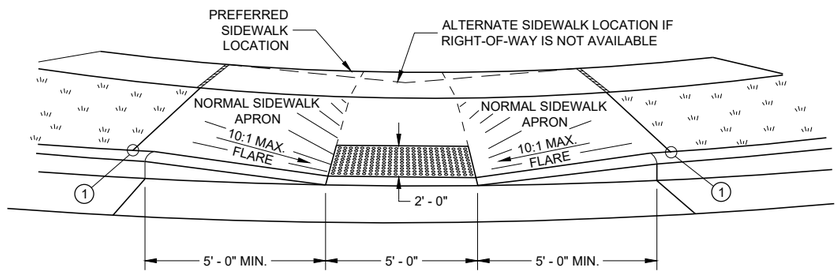
(CENTER OF CORNER RADIUS)



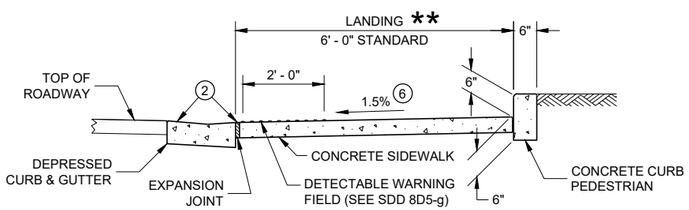
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

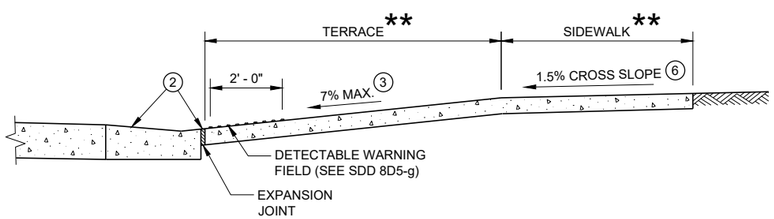


VIEW A - A FOR TYPE 1

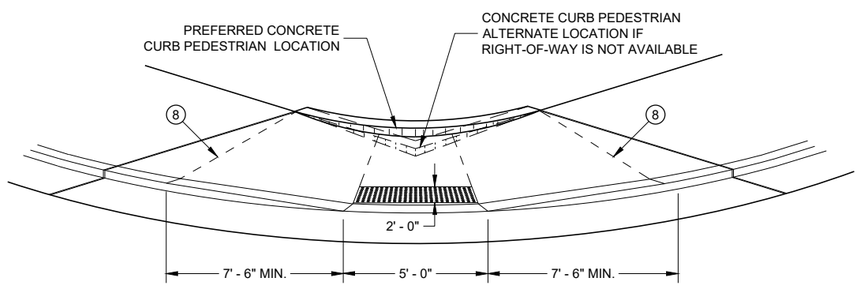


SECTION C - C FOR TYPE 1 - A

** 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.

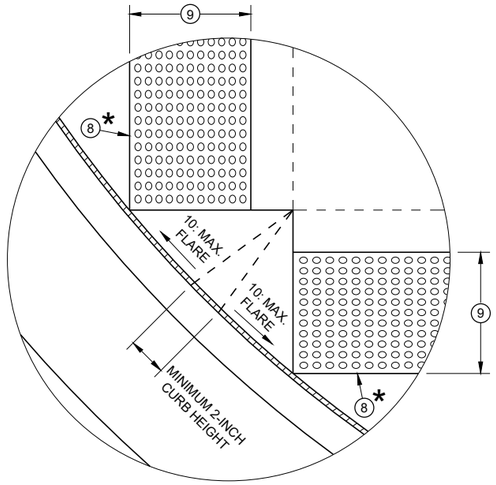
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

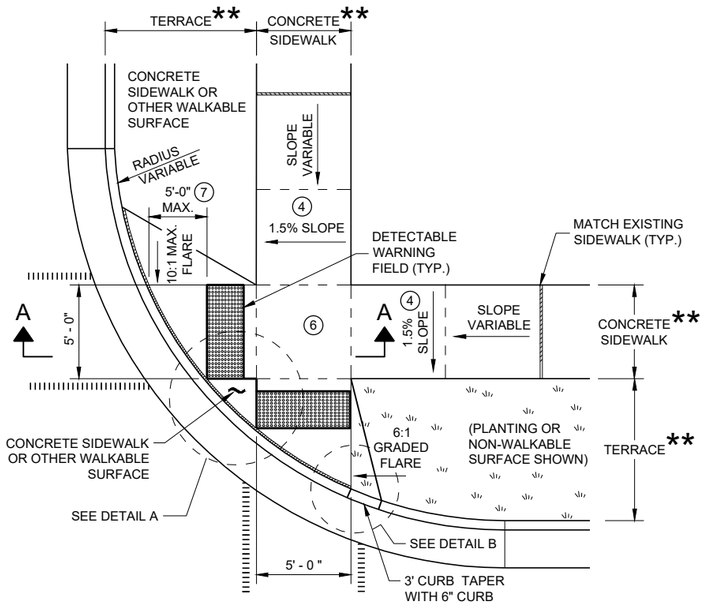
CURB RAMPS
TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO PRE_179

6
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.

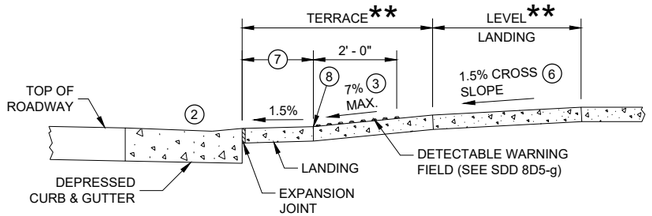
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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.

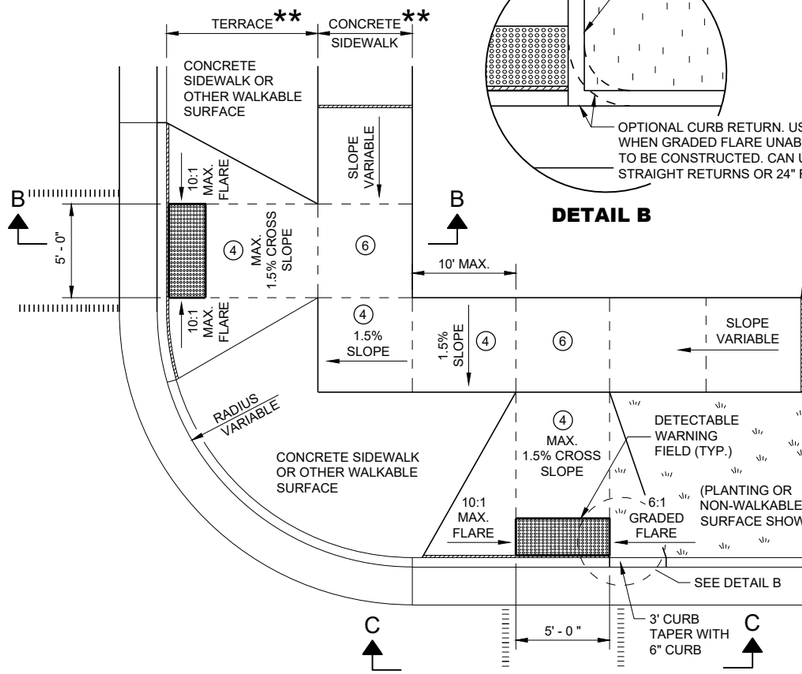
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



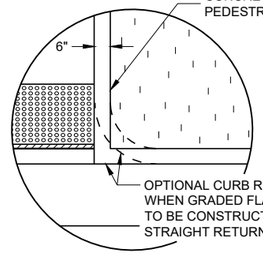
SECTION A - A FOR TYPE 2

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS



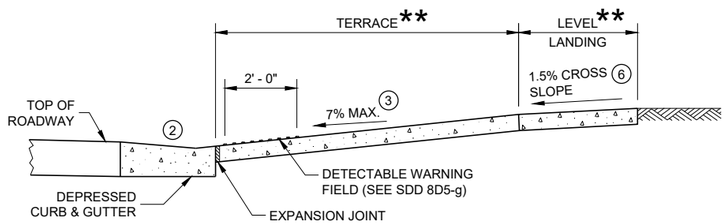
PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



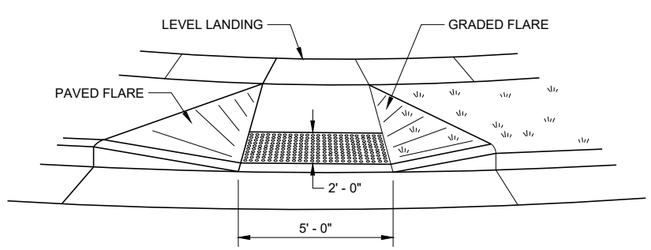
DETAIL B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

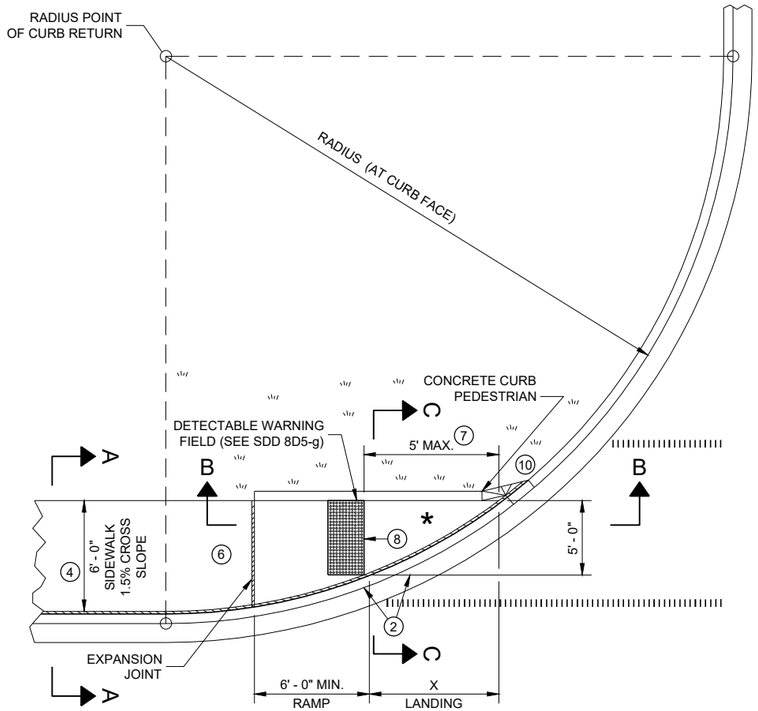
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO PRE_180

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SDD 08D05 - 20b

6

SDD 08D05 - 20b

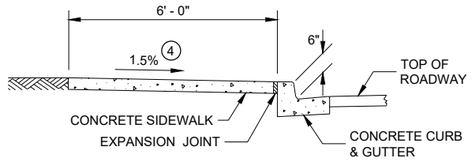


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

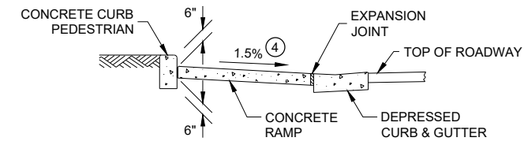
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

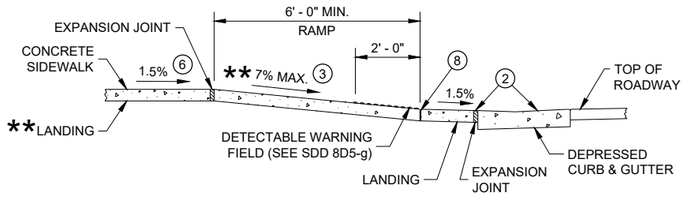
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



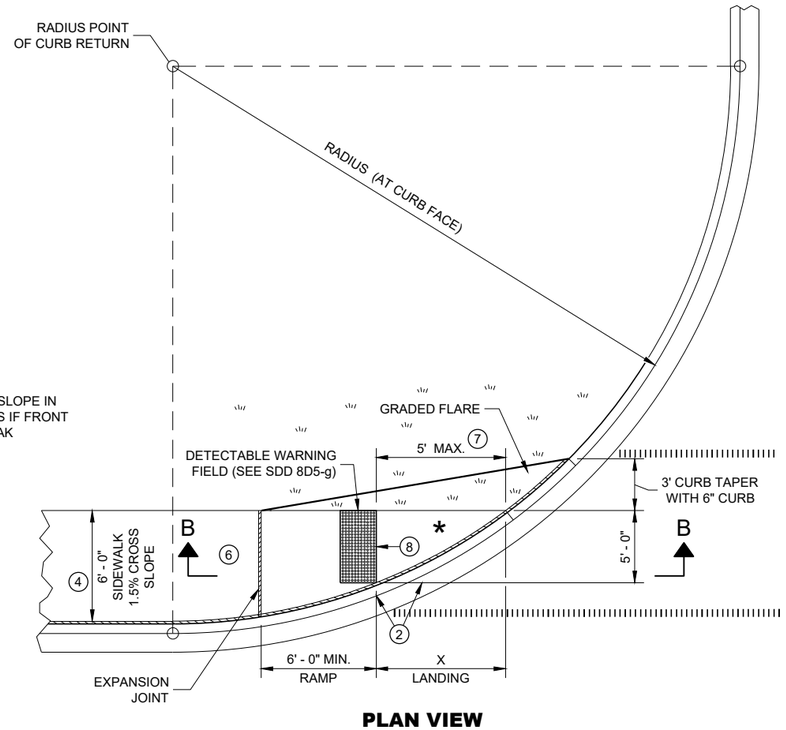
SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

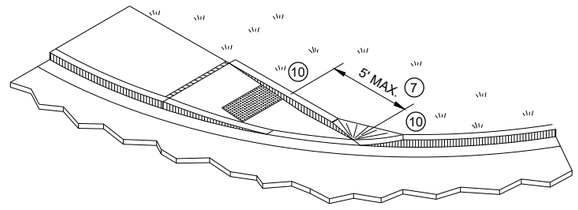
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

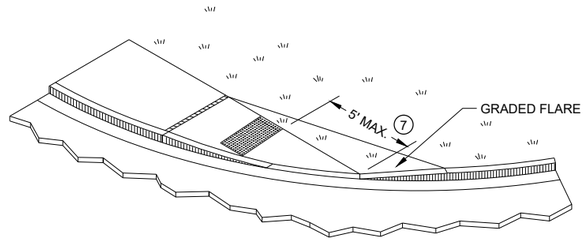


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

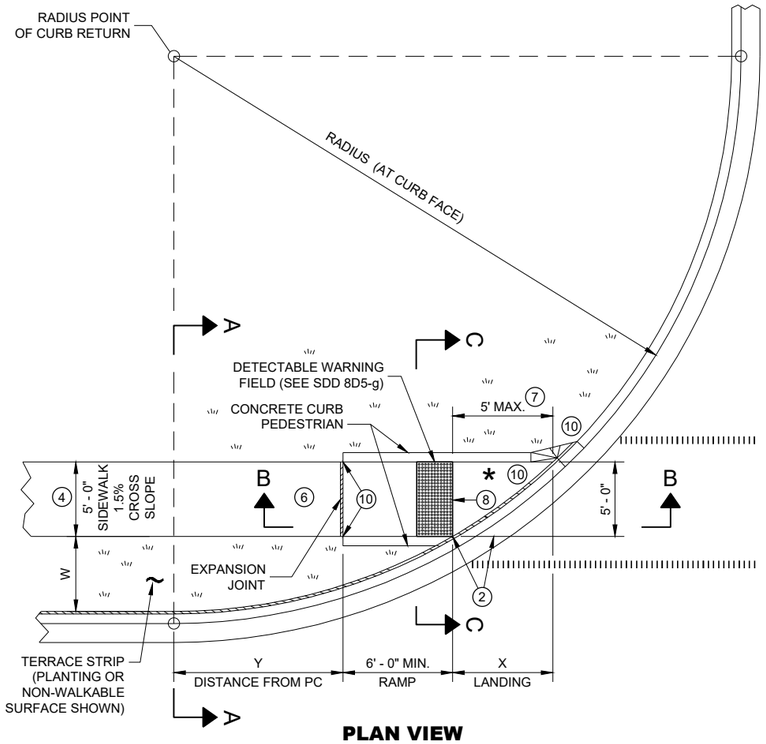
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO PRE_181

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SDD 08D05 - 20c

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SDD 08D05 - 20c



PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

SECTION C - C FOR TYPE 4B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

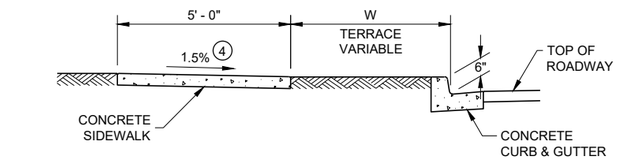
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

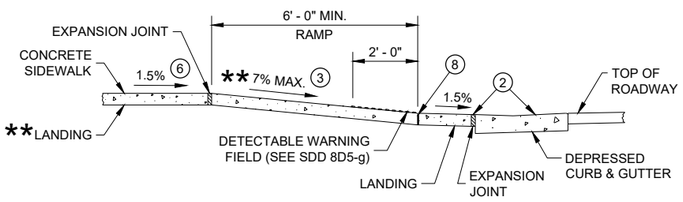
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

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



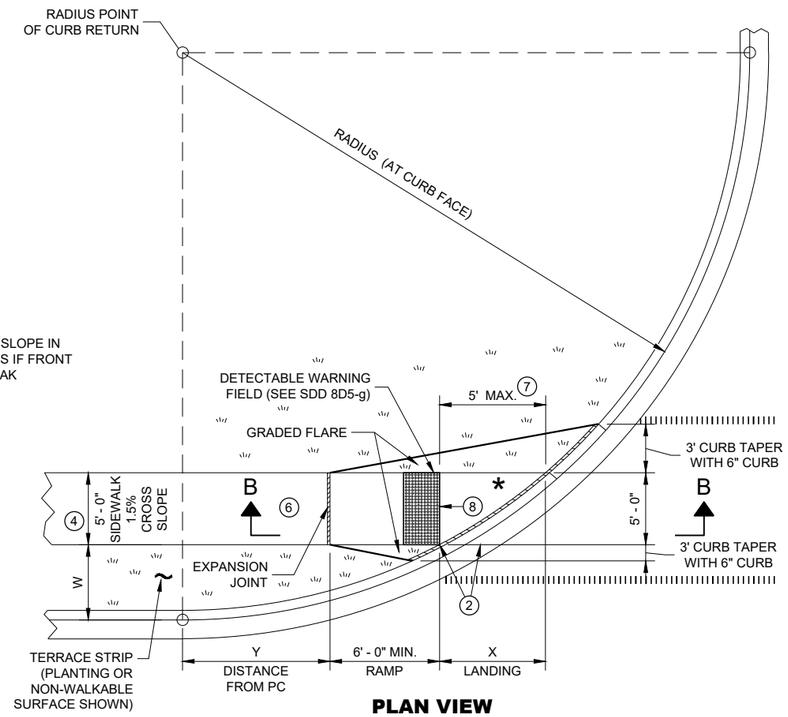
SECTION A - A FOR TYPE 4B



SECTION B - B FOR TYPE 4B AND TYPE 4B1

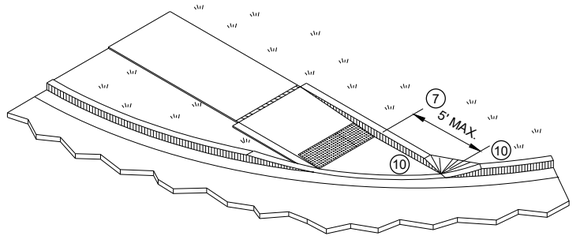
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

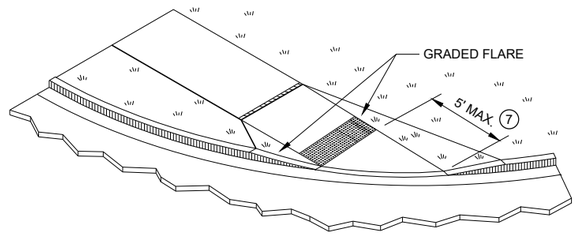


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



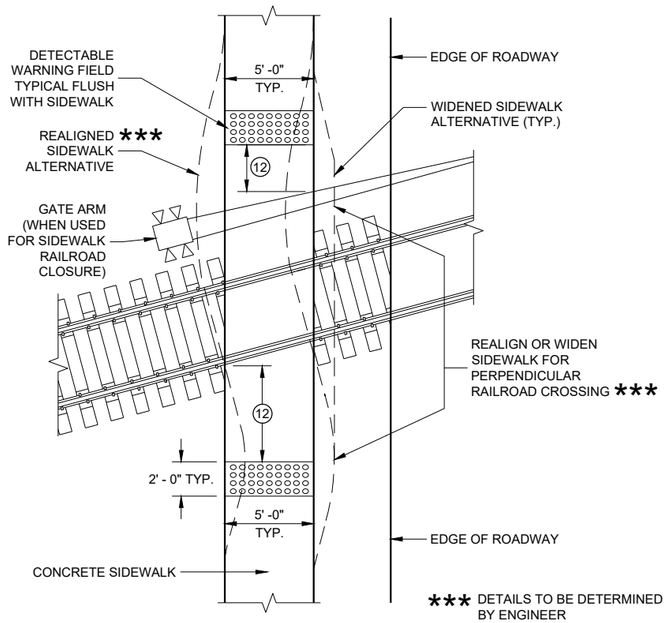
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO PRE_182

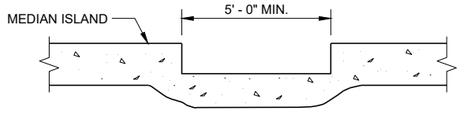
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SDD 08D05 - 20d

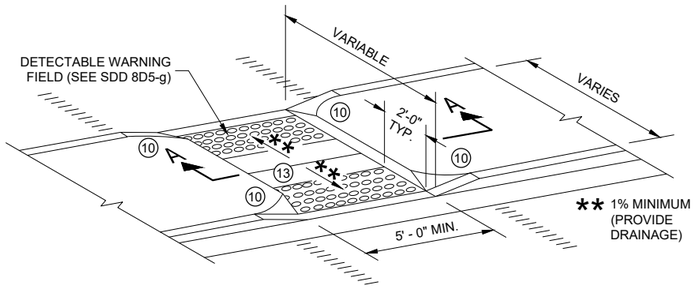


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 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.

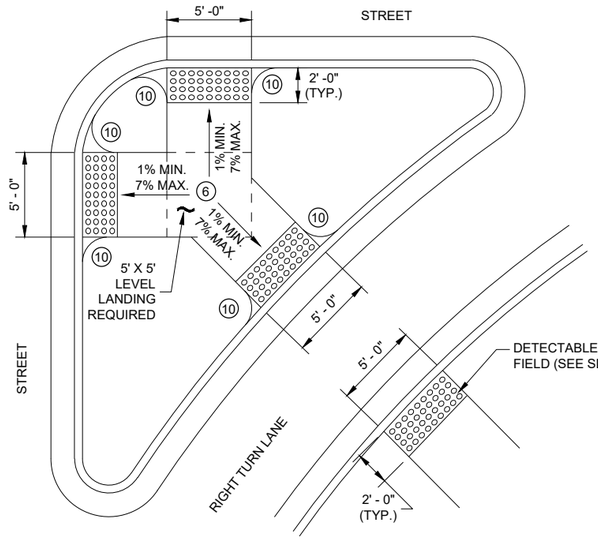
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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

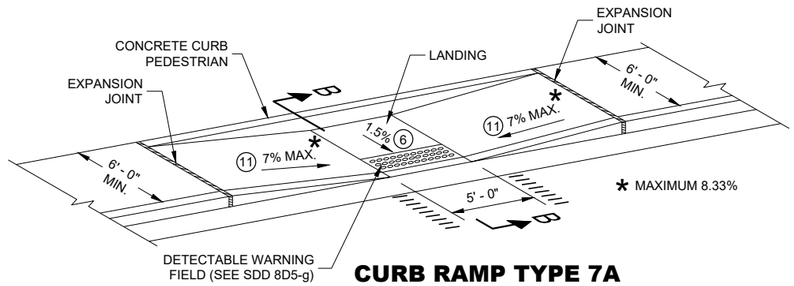
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

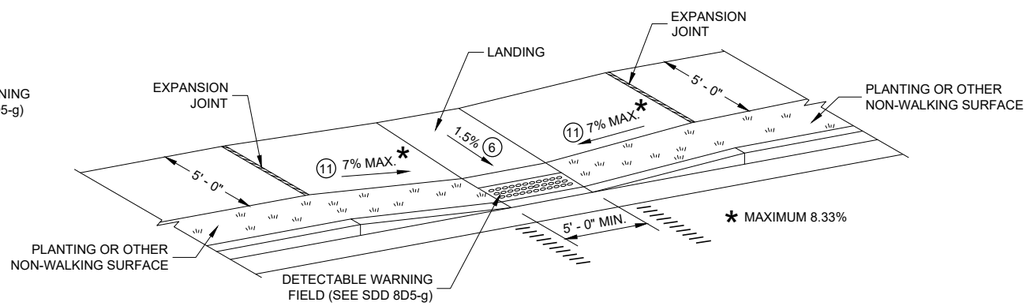
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

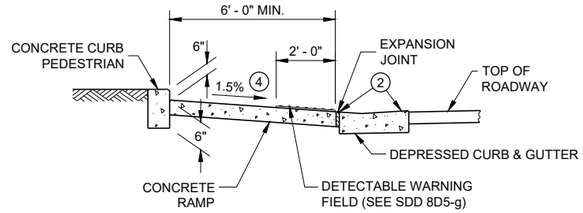
MID BLOCK CROSSING



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

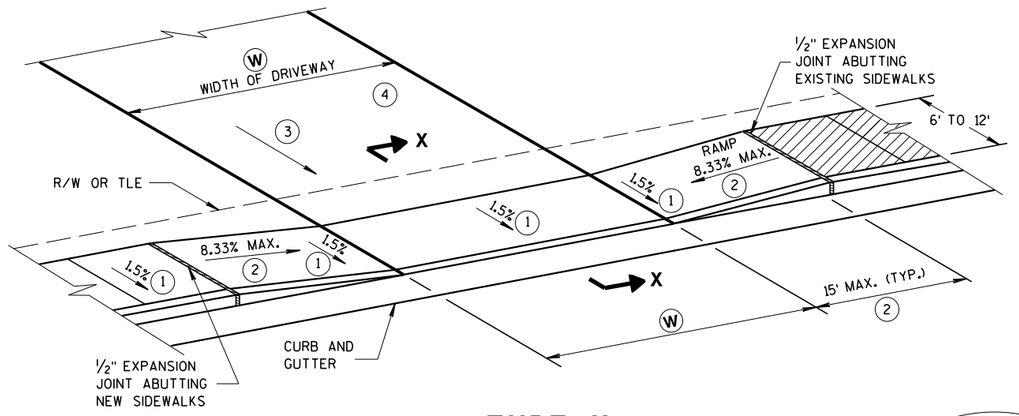
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO PRE_183

SDD 08D05 - 20e

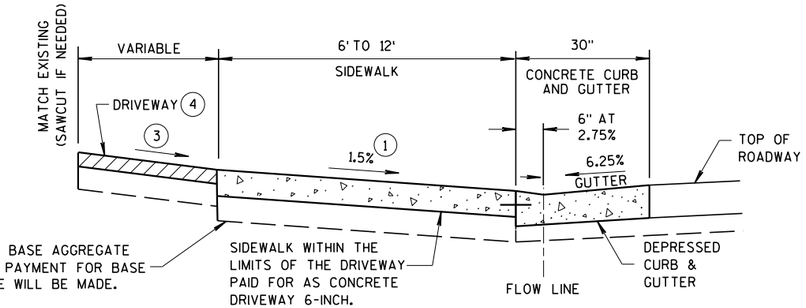
SDD 08D05 - 20e

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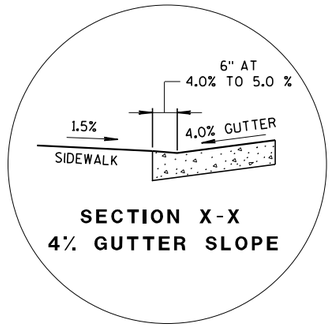
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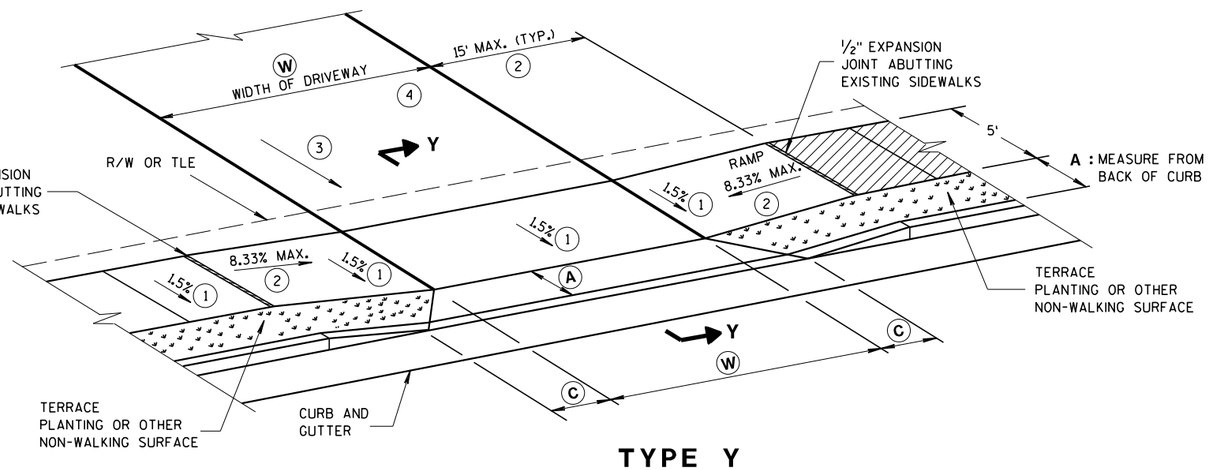
TYPE X
SIDEWALK ABUTS CURB & GUTTER
TERRACE VARIES 0 TO 3 FEET



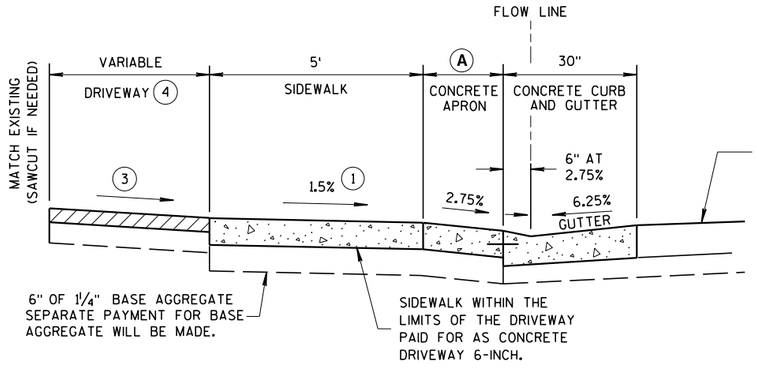
SECTION X-X



SECTION X-X
4% GUTTER SLOPE



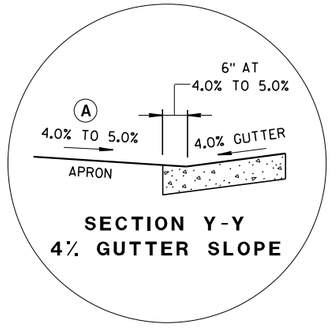
TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET



NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y-Y

DRIVEWAY DETAIL
WITH CONCRETE CURB & GUTTER
(URBAN AND SUBURBAN)



SECTION Y-Y
4% GUTTER SLOPE

Ⓦ: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)
16' MIN. - 35' MAX. COMMERCIAL (CE)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

Ⓦ IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5% ± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(4) DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES)

TABLE Y

Ⓐ FEET	Ⓒ FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'

NOT TO SCALE

DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

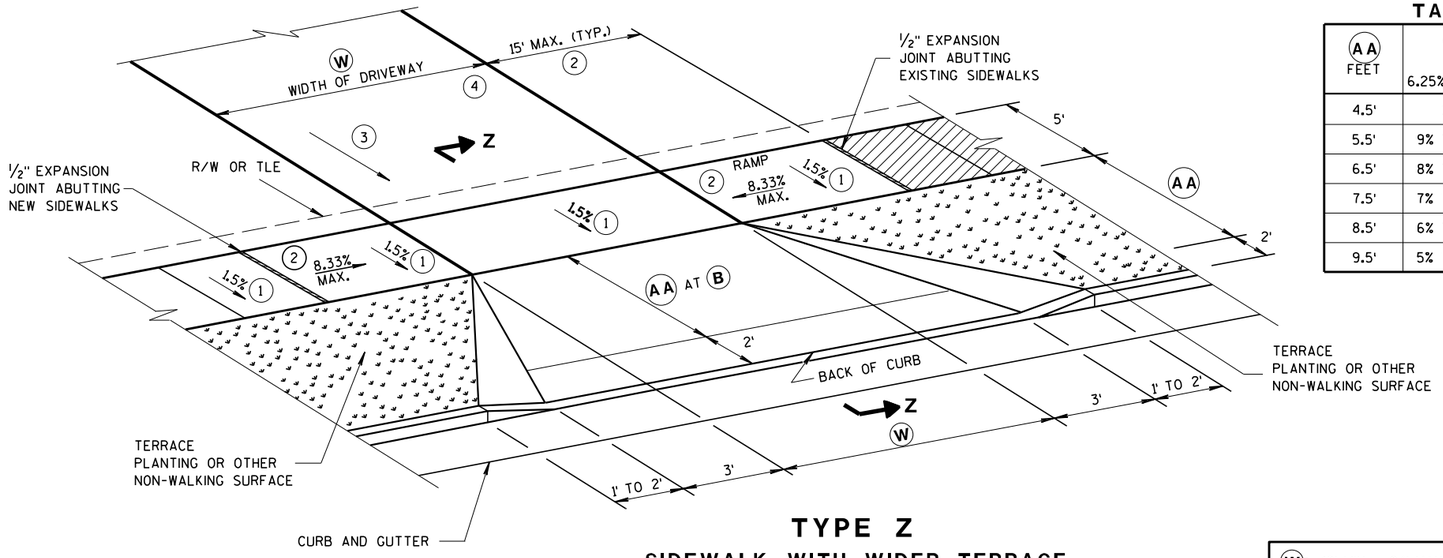
APPROVED
March 2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

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S.D.D. 8 D 18-2

6

S.D.D. 8 D 18-2



TYPE Z

SIDEWALK WITH WIDER TERRACE

TERRACE VARIES 7 TO 12 FEET

TABLE Z

Ⓐ FEET	Ⓑ % 6.25% GUTTER	Ⓑ % 4% GUTTER
4.5'	11.5%	9% TO 11.5%
5.5'	9% TO 11.5%	8% TO 11.5%
6.5'	8% TO 11.5%	6% TO 11.5%
7.5'	7% TO 11.5%	6% TO 11.5%
8.5'	6% TO 11.5%	5% TO 11.5%
9.5'	5% TO 11.5%	4% TO 11.5%

Ⓦ: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)
16' MIN. - 35' MAX. COMMERCIAL (CE)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

Ⓦ IS SHOWN ON PLAN AND PROFILE SHEETS.

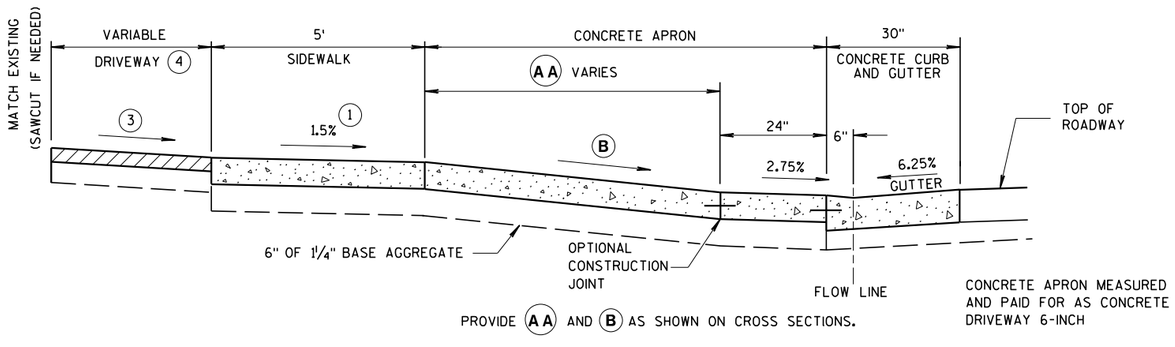
OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5% ± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

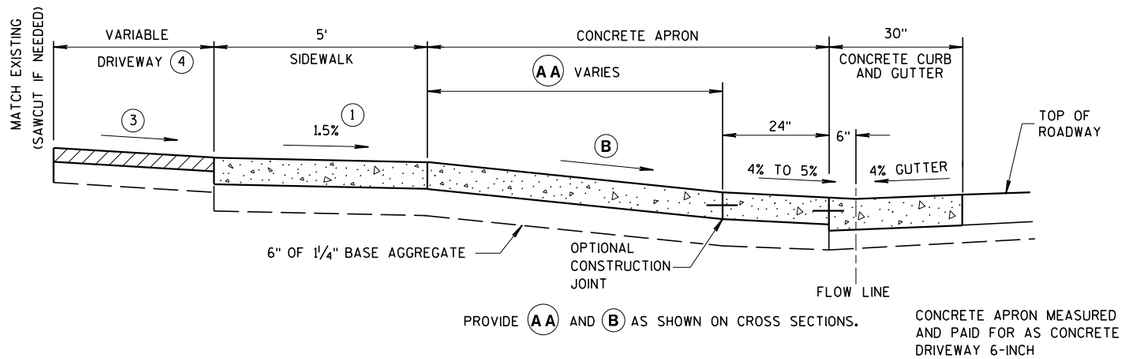
(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY.

(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
10.5% UP AWAY FROM SIDEWALK (SAG)
8.5% DOWN AWAY FROM SIDEWALK (CREST)
ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(4) DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES)



6.25% GUTTER SLOPE



4% GUTTER SLOPE

NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS FOR **B** VALUES NOT SHOWN IN TABLE Z.

SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY 6-INCH.

SEPARATE PAYMENT FOR BASE AGGREGATE WILL BE MADE.

SECTION Z-Z

DRIVEWAY DETAIL WITH CONCRETE CURB & GUTTER

(URBAN AND SUBURBAN)

NOT TO SCALE

DRIVEWAY AND SIDEWALK RAMPS TYPE Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

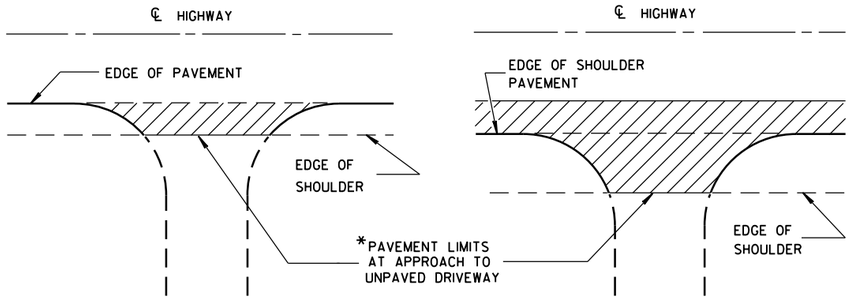
APPROVED
March 2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

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S.D.D. 8 D 19-2

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S.D.D. 8 D 19-2

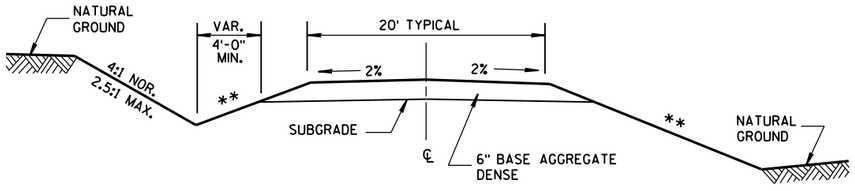


*WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT.

PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB & GUTTER OR SIDEWALK)

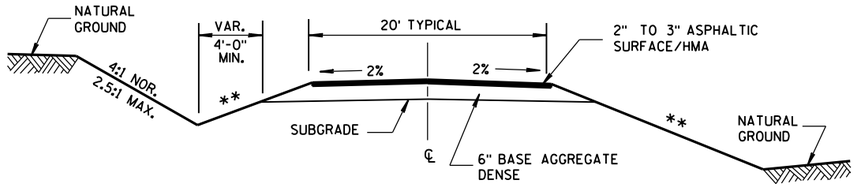


IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

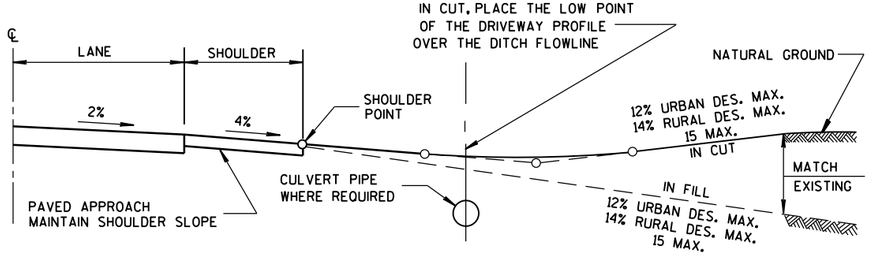
** SLOPE CAN VARY WITH SPEED. SEE 11-45-2.6.2.

POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥35 TO <60	6:1
≥60	10:1



IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE



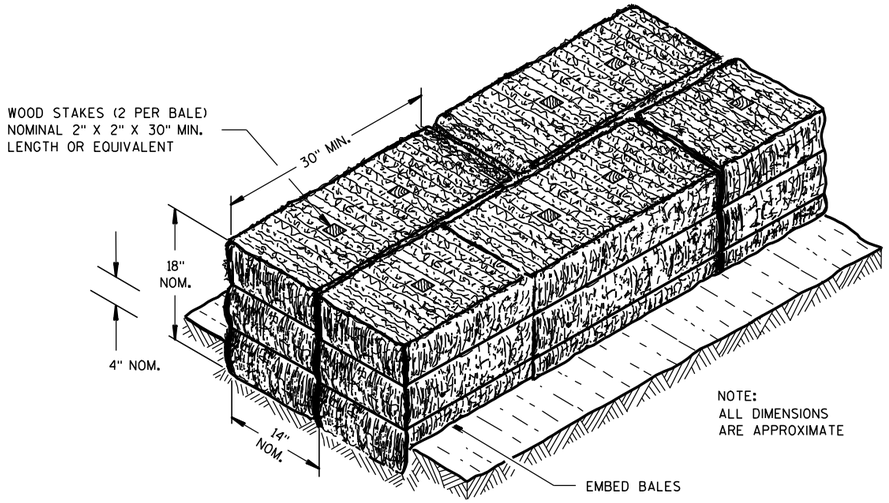
TYPICAL DRIVEWAY PROFILES

DRIVEWAYS WITHOUT CURB & GUTTER

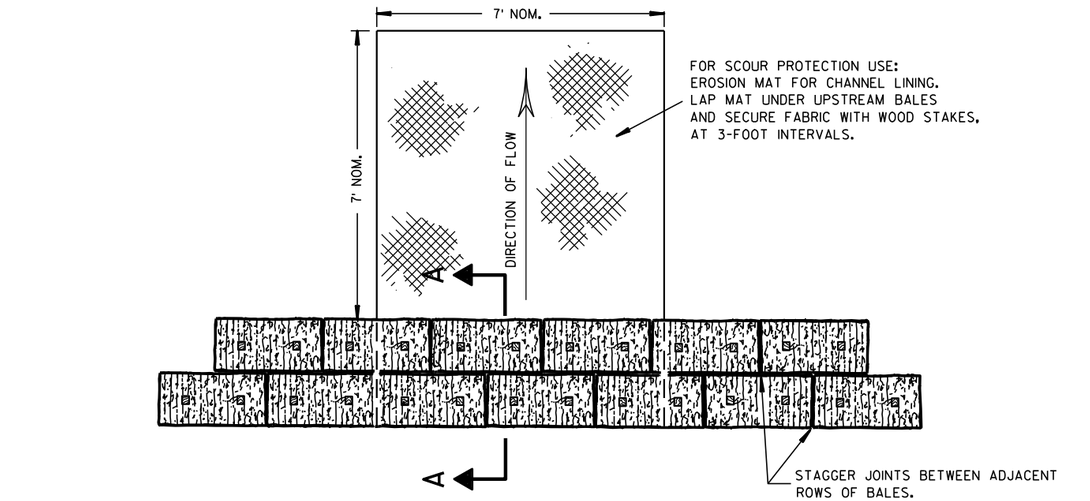
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December, 2016 /S/ Rodney Taylor
DATE ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

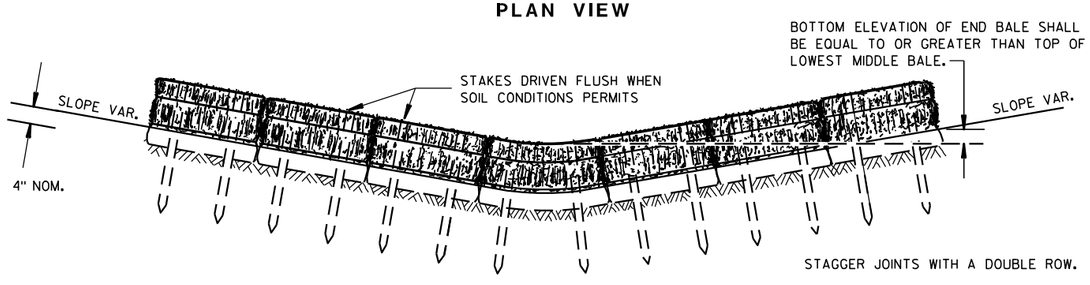
PRE_186



SECTION A-A



PLAN VIEW



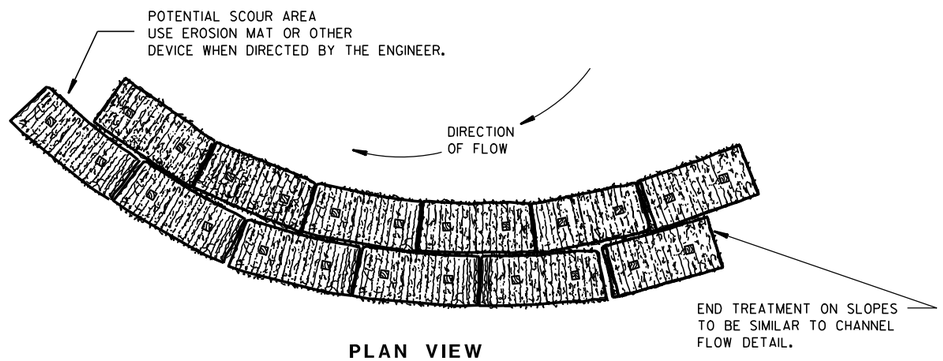
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

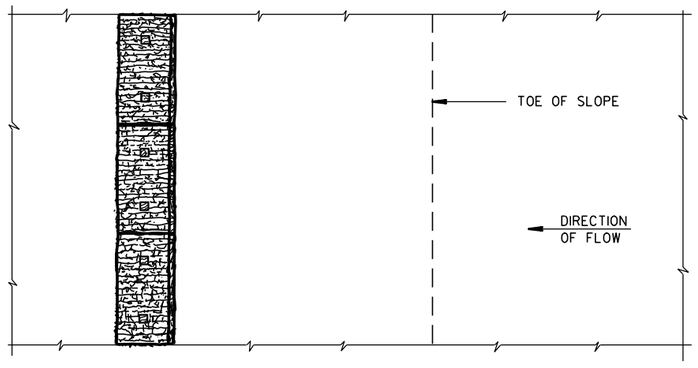
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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.

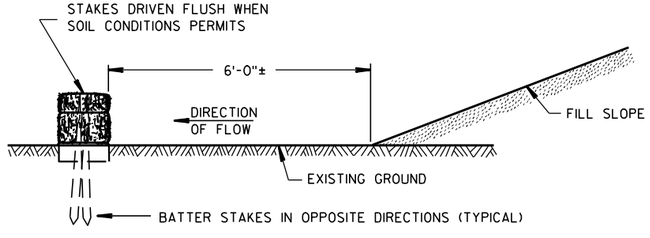


PLAN VIEW

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

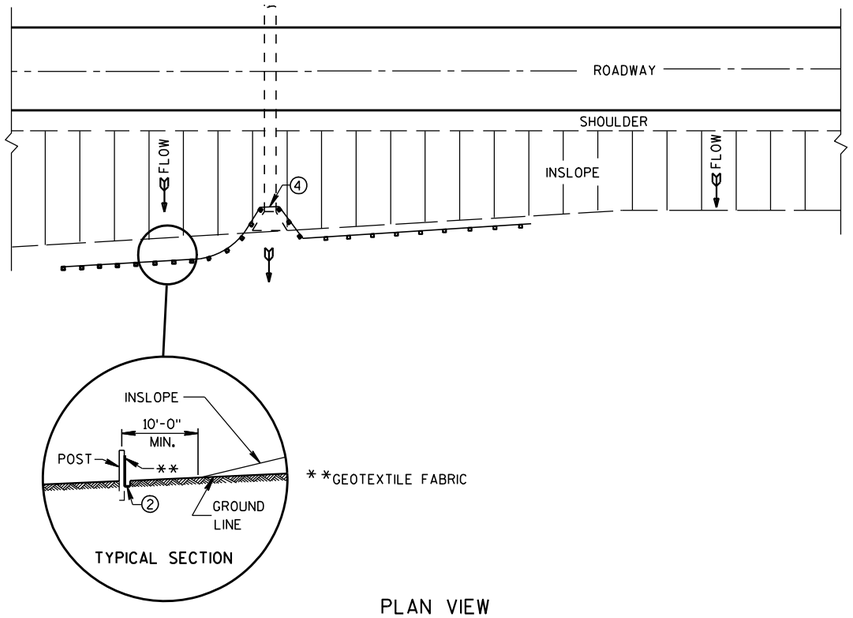
/S/ Beth [illegible] — CHIEF ROADWAY DE[illegible] — NEER

FHWA

PRE_187

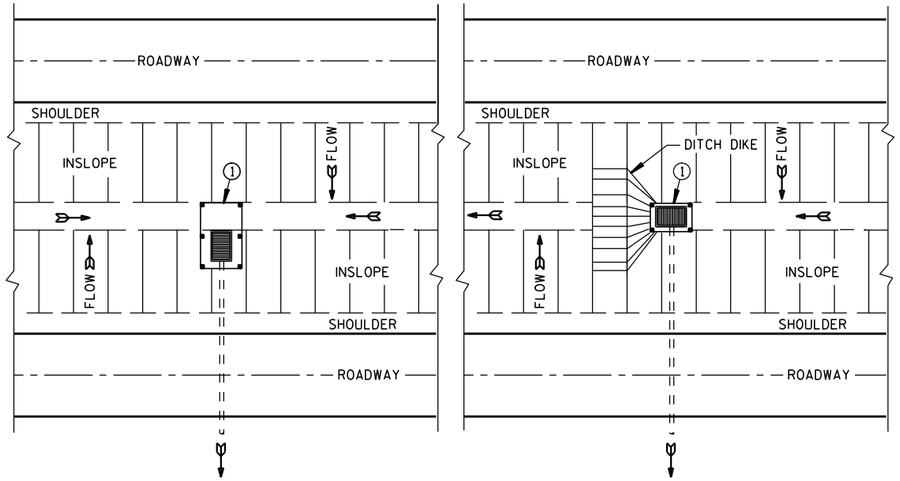
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

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

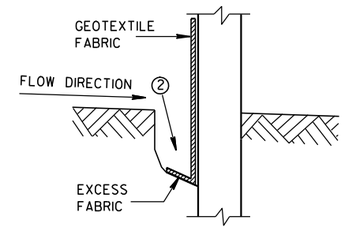
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

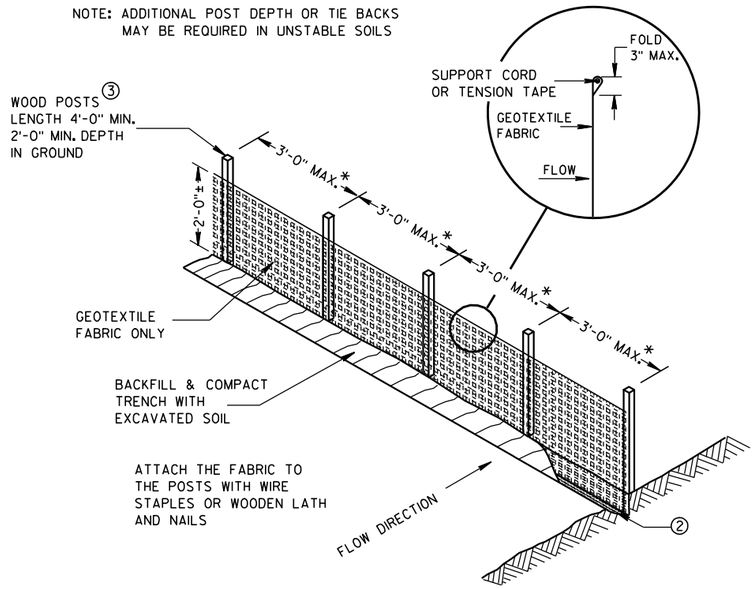
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

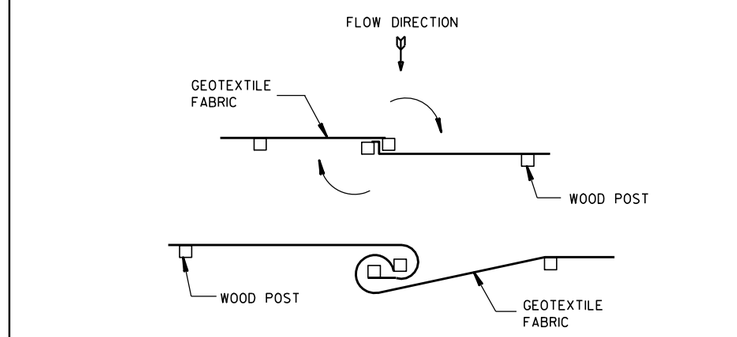
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



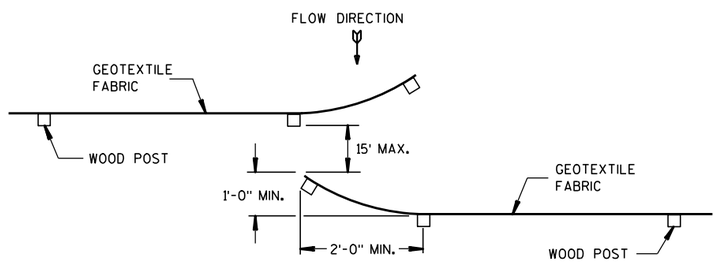
TRENCH DETAIL



SILT FENCE

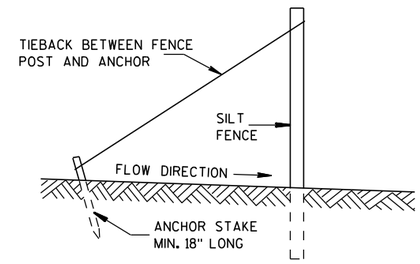


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

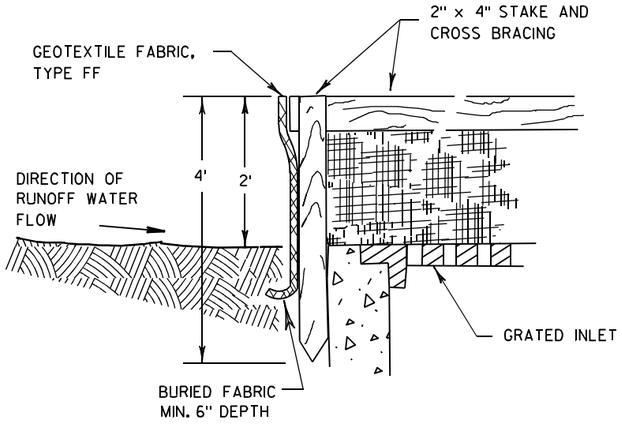
(WHEN REQUIRED BY THE ENGINEER)

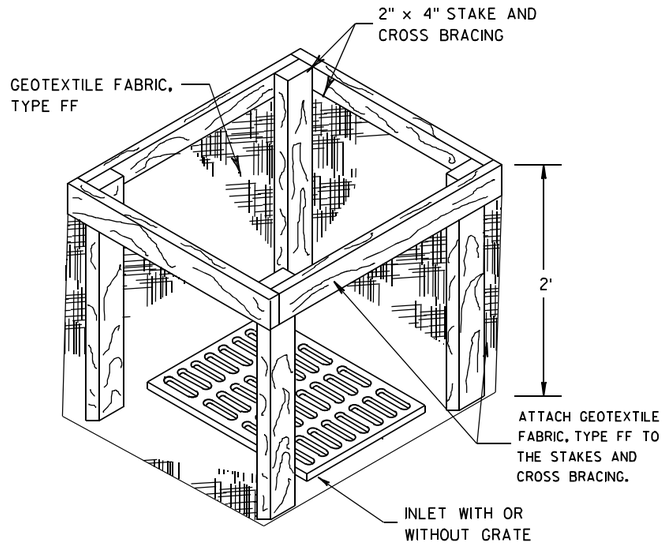
SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

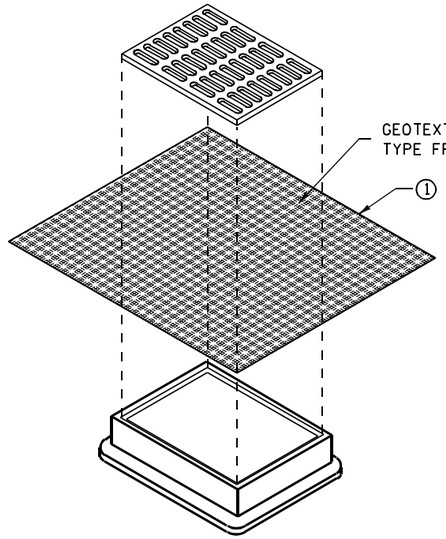
APPROVED
4-29-05 DATE
/S/ Beth [illegible]
CHIEF ROADWAY DE[illegible]NEER
FHWA

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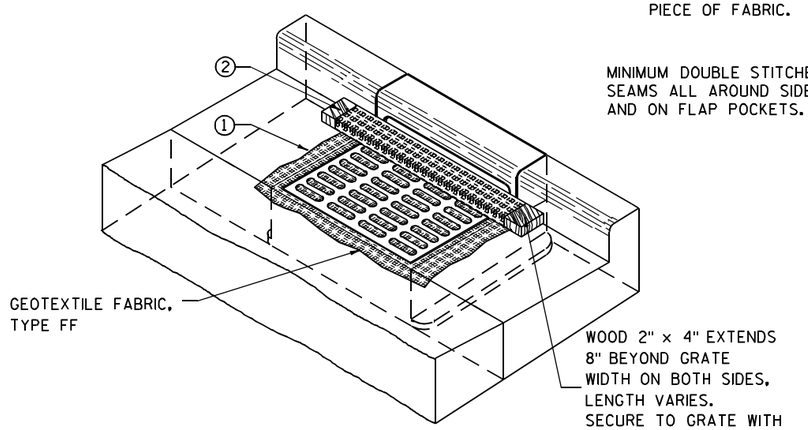


INLET PROTECTION, TYPE A

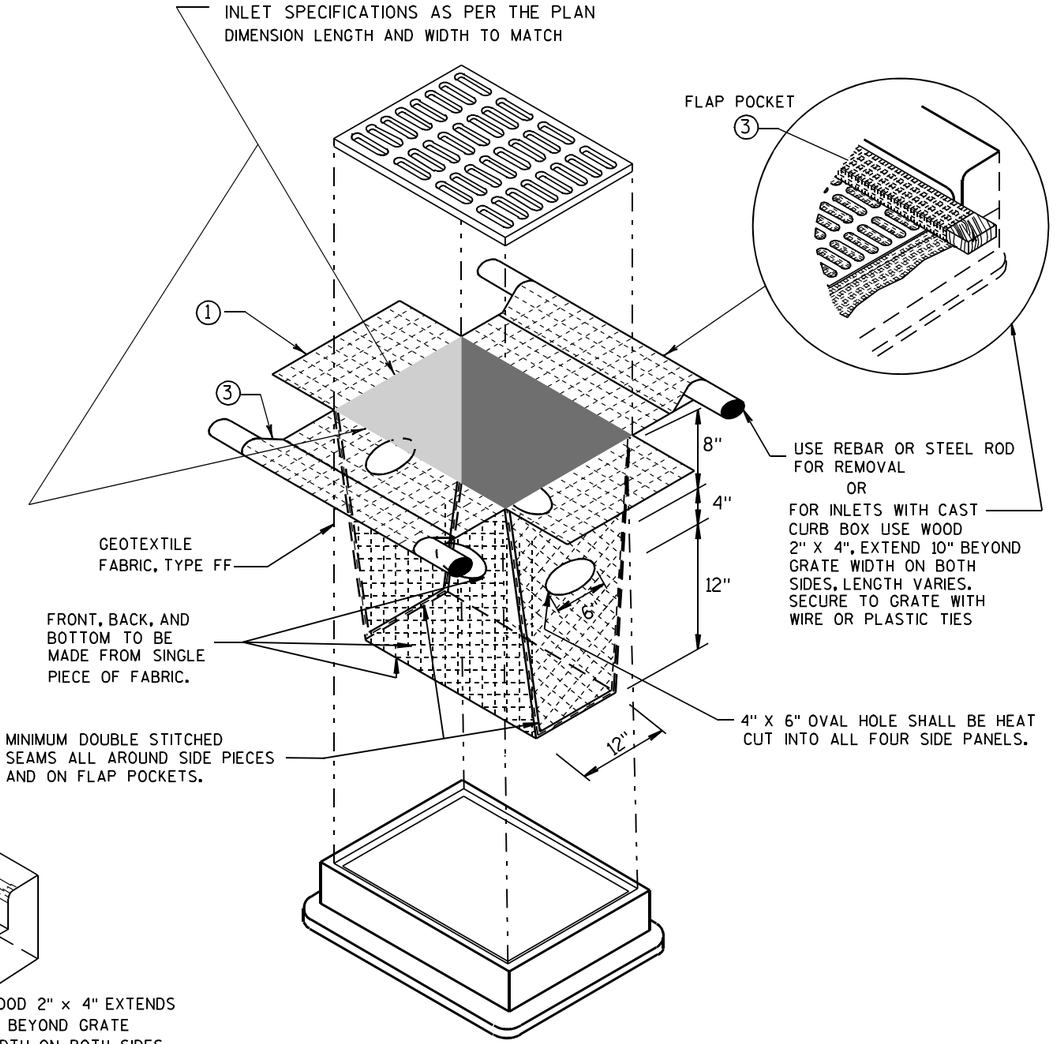


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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 C[illegible]
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

PRE_189

6
S.D.D. 8 E 10-2

METAL APRON ENDWALLS

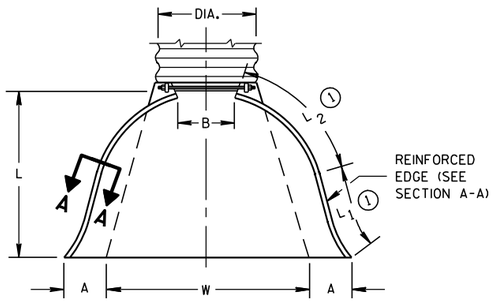
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

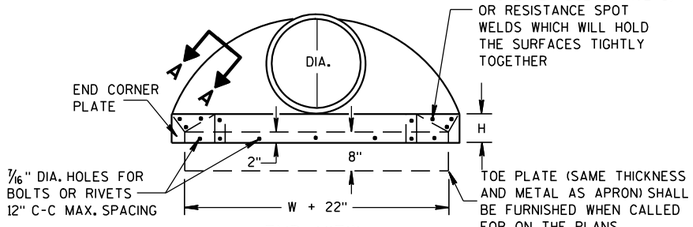
REINFORCED CONCRETE APRON ENDWALLS

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

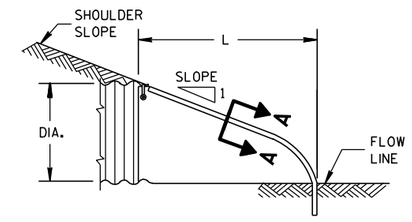
*MINIMUM
**MAXIMUM



PLAN VIEW

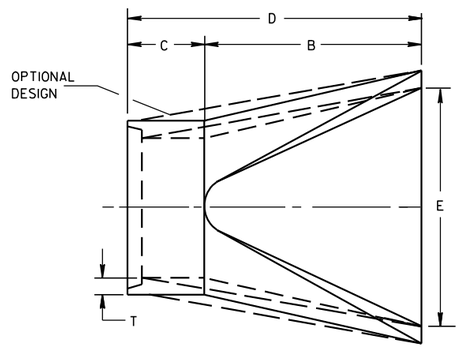


END VIEW

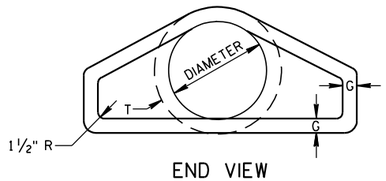


SIDE ELEVATION

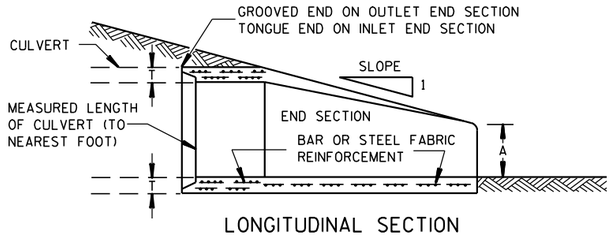
METAL ENDWALLS



PLAN

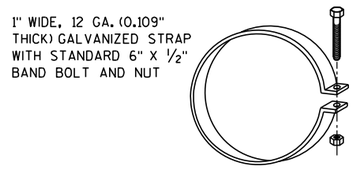


END VIEW



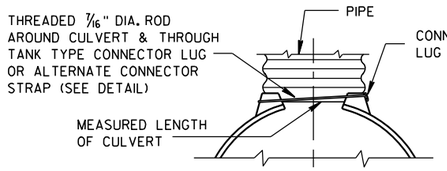
LONGITUDINAL SECTION

CONCRETE ENDWALLS

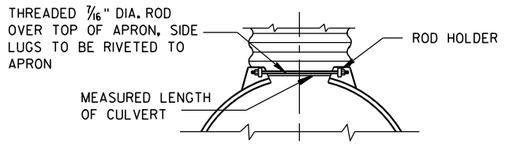


ALTERNATE FOR TYPE 1 CONNECTION

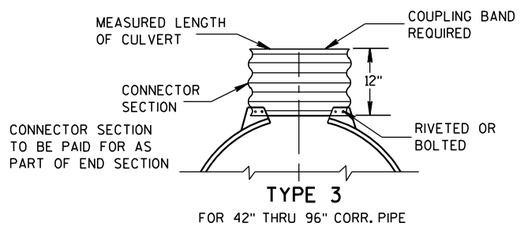
END SECTION CONNECTOR STRAP



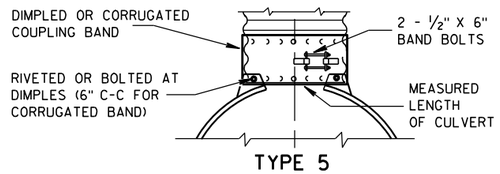
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

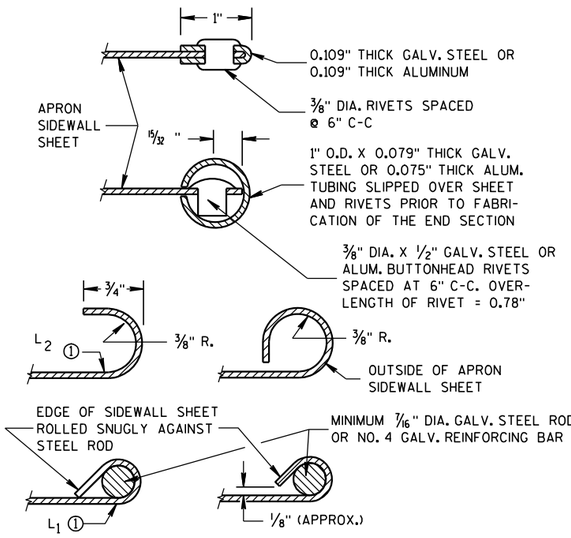
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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

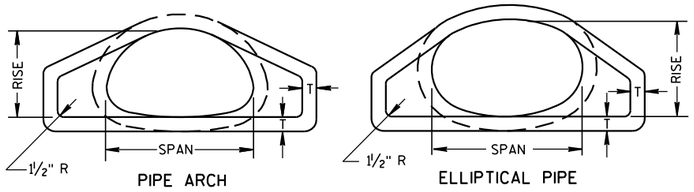
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94
DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DESIGNER
FHWA

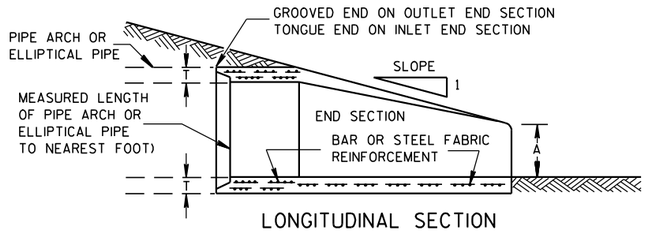
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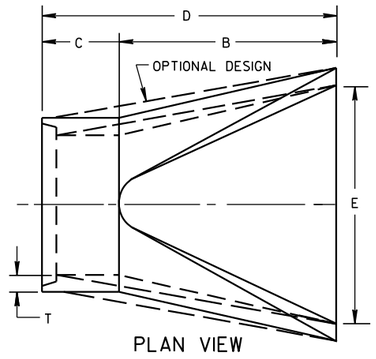
S.D.D. 8 F 1-11



END VIEW

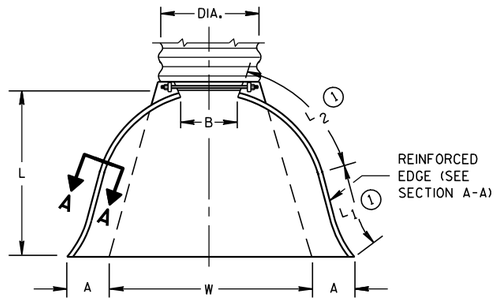


LONGITUDINAL SECTION

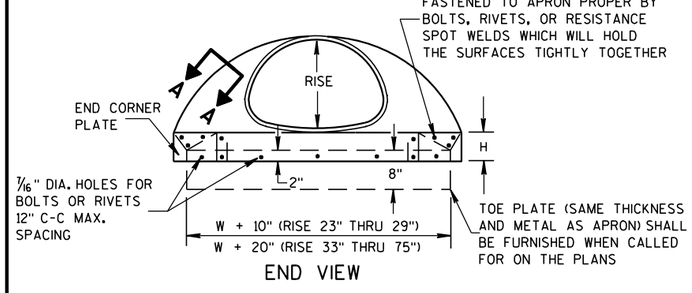


PLAN VIEW

CONCRETE ENDWALLS

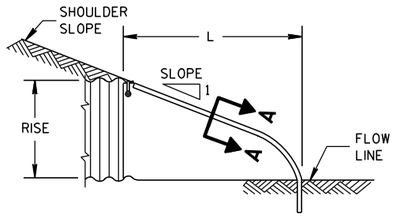


PLAN VIEW



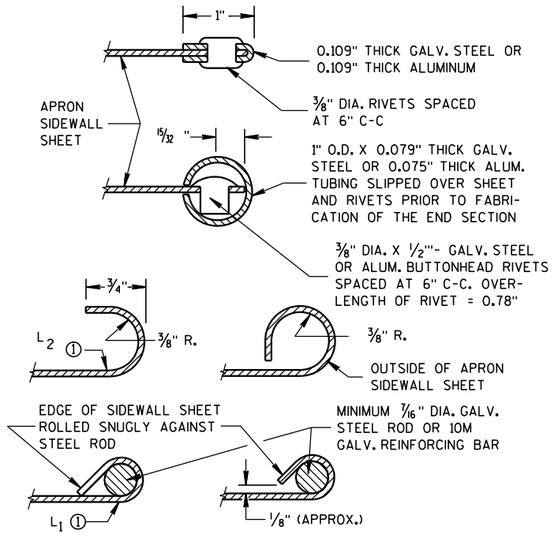
END CORNER PLATES MAY BE FASTENED TO APRON PROPER BY BOLTS, RIVETS, OR RESISTANCE SPOT WELDS WHICH WILL HOLD THE SURFACES TIGHTLY TOGETHER

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

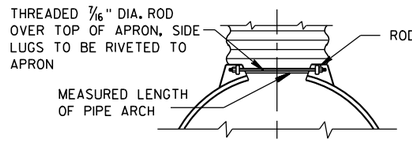
REINFORCED CONCRETE PIPE ARCH

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

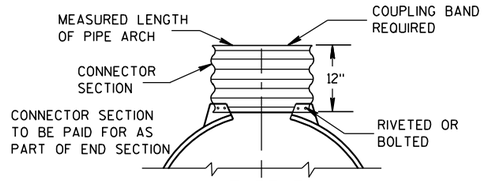
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



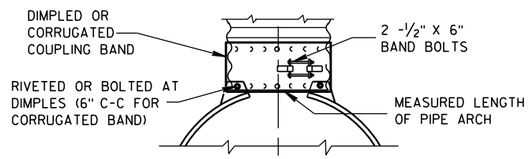
TYPE 2

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. [illegible] — CHIEF ROADWAY DE[illegible]INEER

FHWA

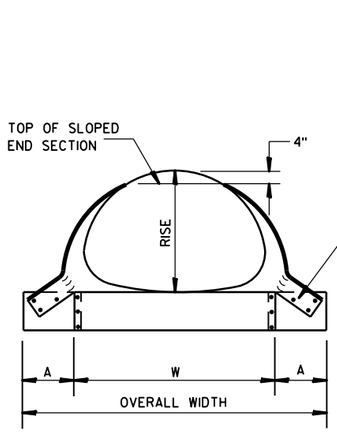
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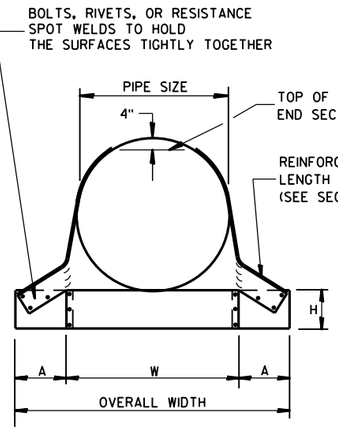
S.D.D. 8 F 2-1

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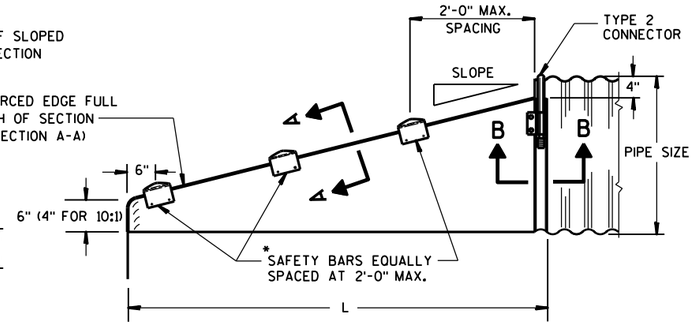
S.D.D. 8 F 2-1



FRONT VIEW



FRONT VIEW



SIDE VIEW

GENERAL NOTES

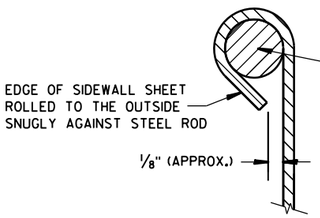
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SLOPED END SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTION 521 FOR STEEL APRON ENDWALLS.

SAFETY BARS SHALL BE FABRICATED FROM GALVANIZED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL.

STEEL APRON ENDWALLS FOR CULVERT PIPE
SLOPED SIDE DRAINS

PIPE DIA. (IN.)	MIN. THICK. (Inches)	DIMENSIONS (Inches)				L DIMENSIONS					
		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	.064	8	6	21	37	4:1	20	6:1	30	10:1	70
18	.064	8	6	24	40	4:1	32	6:1	48	10:1	100
21	.064	8	6	27	43	4:1	44	6:1	66	10:1	130
24	.064	8	6	30	46	4:1	56	6:1	84	10:1	160
30	.109	12	9	36	60	4:1	80	6:1	120	10:1	220
36	.109	12	9	42	66	4:1	104	6:1	156	10:1	280
42	.109	16	12	48	80	4:1	128	6:1	192	——	——
48	.109	16	12	54	86	4:1	152	6:1	228	——	——
54	.109	16	12	60	92	4:1	176	6:1	264	——	——
60	.109	16	12	66	98	4:1	200	6:1	300	——	——



SECTION A-A

*NOTE:
THREE SAFETY BARS ARE SHOWN. ACTUAL NUMBER OF BARS REQUIRED AT A 2'-0" C-C MAX. SPACING WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

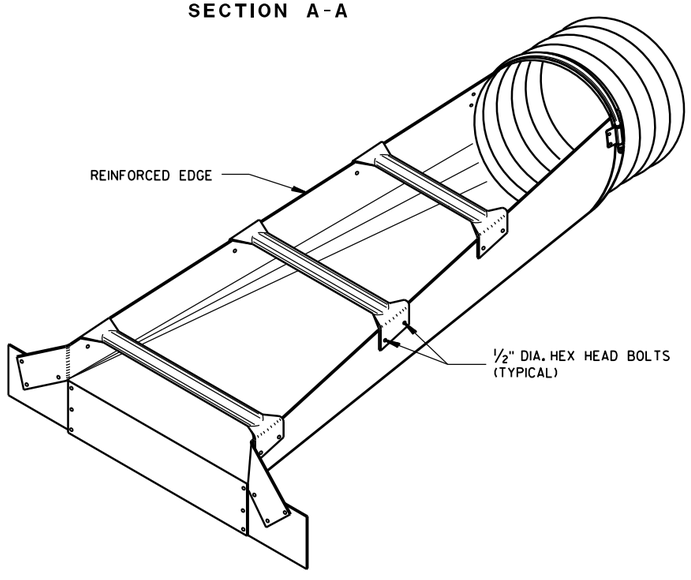
3" GALVANIZED PIPE. FLATTEN ENDS, THEN BEND OUTSIDE 4" TO MATCH END SECTION SIDES.

DETAIL OF SAFETY BAR

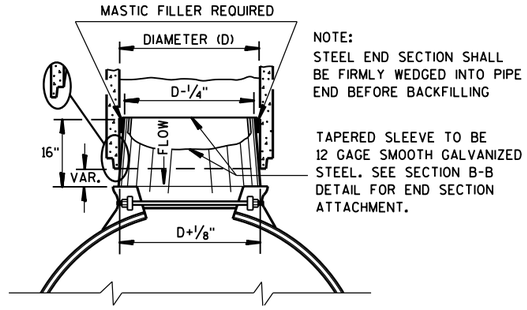
STEEL APRON ENDWALLS FOR PIPE ARCH
SLOPED SIDE DRAINS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) ①	DIMENSIONS (Inches) A	H	W	OVERALL WIDTH	L DIMENSIONS SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	17	13	.064 *	7	6	30	44	4:1	19	6:1	30	10:1 ②	70
18	21	15	.064 *	8	6	27	43	4:1	20	6:1	30	10:1	70
21	24	18	.064 *	8	6	30	46	4:1	32	6:1	48	10:1	100
24	28	20	.064 *	8	6	34	50	4:1	40	6:1	60	10:1	120
30	35	24	.079 *	12	9	41	65	4:1	56	6:1	84	10:1	160
36	42	29	.109 *	12	9	48	72	4:1	76	6:1	114	10:1	210
42	49	33	.109	16	12	55	87	4:1	92	6:1	138	——	——
48	57	38	.109	16	12	63	95	4:1	112	6:1	168	——	——
54	64	43	.109	16	12	70	102	4:1	132	6:1	198	——	——

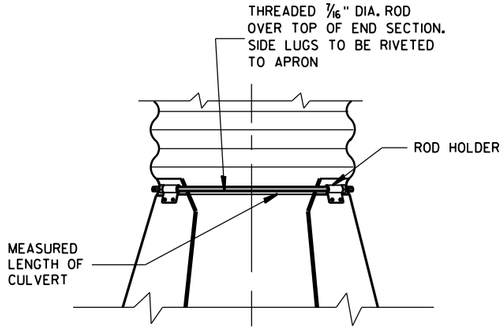
① * MINIMUM THICKNESS OF ALL 10:1 SLOPED SIDE DRAINS IS 0.109".
② ACTUAL SLOPE GREATER THAN 10:1.



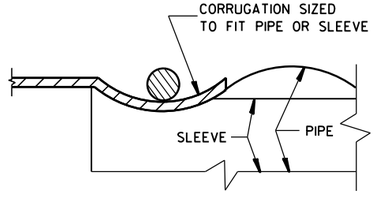
ISOMETRIC VIEW



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



TYPE 2
CONNECTION DETAIL



SECTION B-B

STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/14/2012 DATE
/S/ Jerry H. Zoda
ROADWAY STANDARDS ENGINEER
FHWA

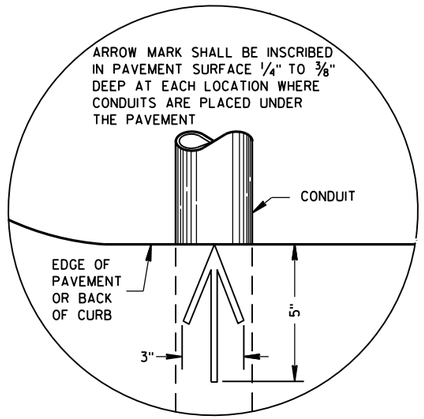
PRE_192

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S.D.D. 8 F 7-5

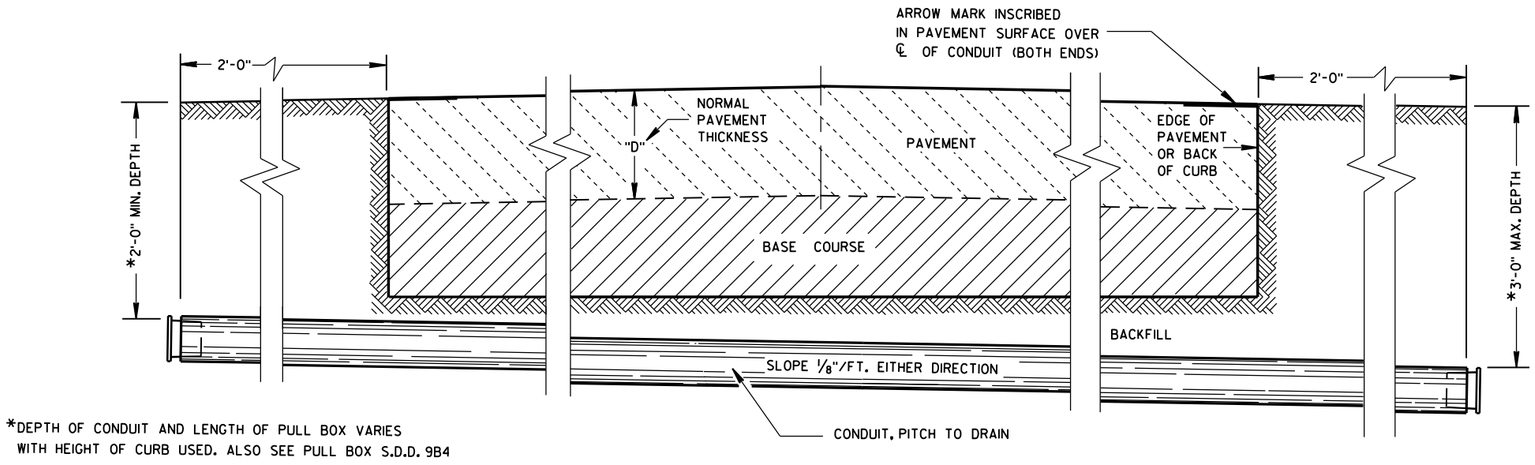
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S.D.D. 8 F 7-5



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

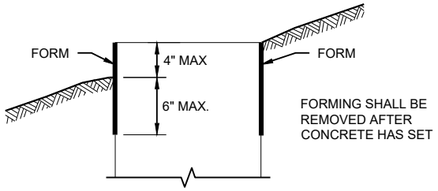
APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTI
FHWA

PRE_193

6

S.D.D. 9 B 2-10

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWINGSHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL BENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

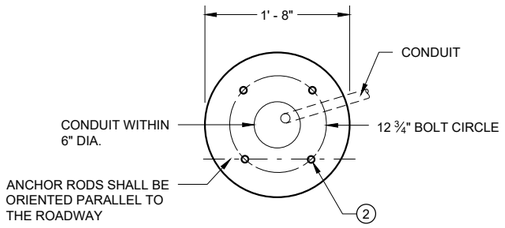
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

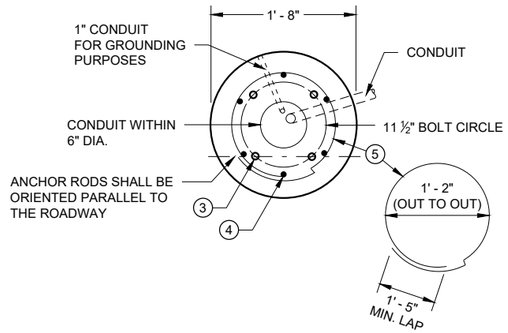
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

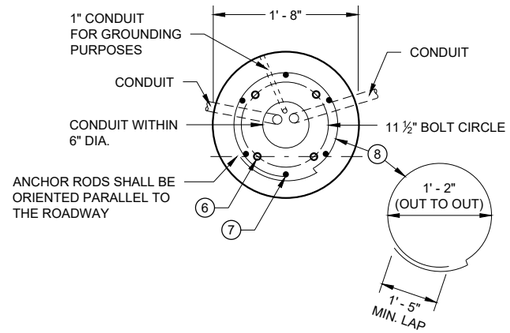
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







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

(2) (4) 1" DIA. X 3' - 6" ANCHOR RODS.

(3) (4) 1" DIA. X 5' - 0" ANCHOR RODS.

(4) (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

(5) (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

(6) (4) 1" DIA. X 3' - 6" ANCHOR RODS.

(7) (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

(8) (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

(9) EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

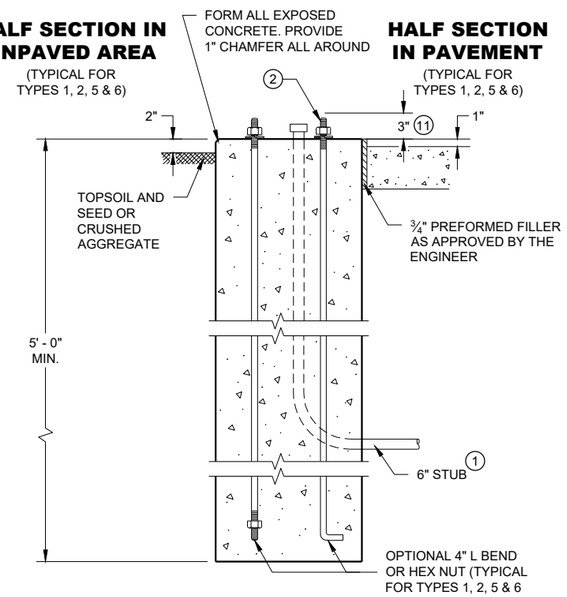
(10) ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

(11) ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

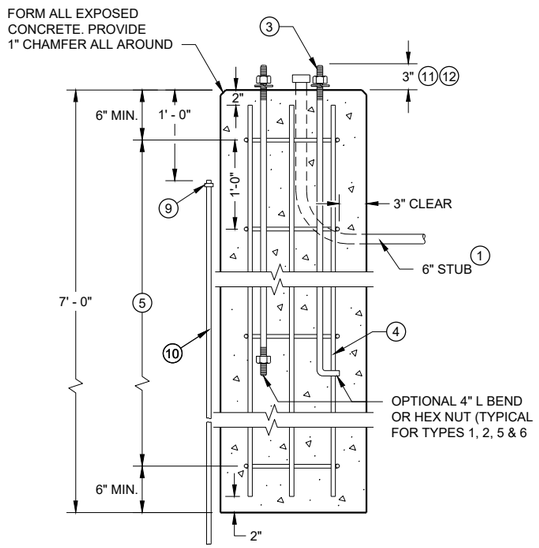
(12) FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

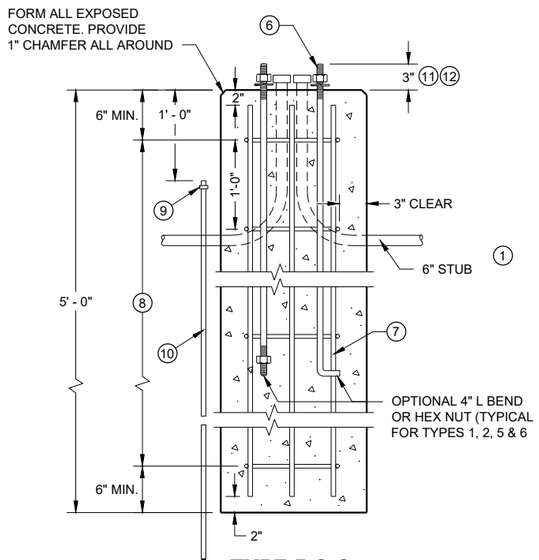
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES
TYPES 1, 2, 5, & 6

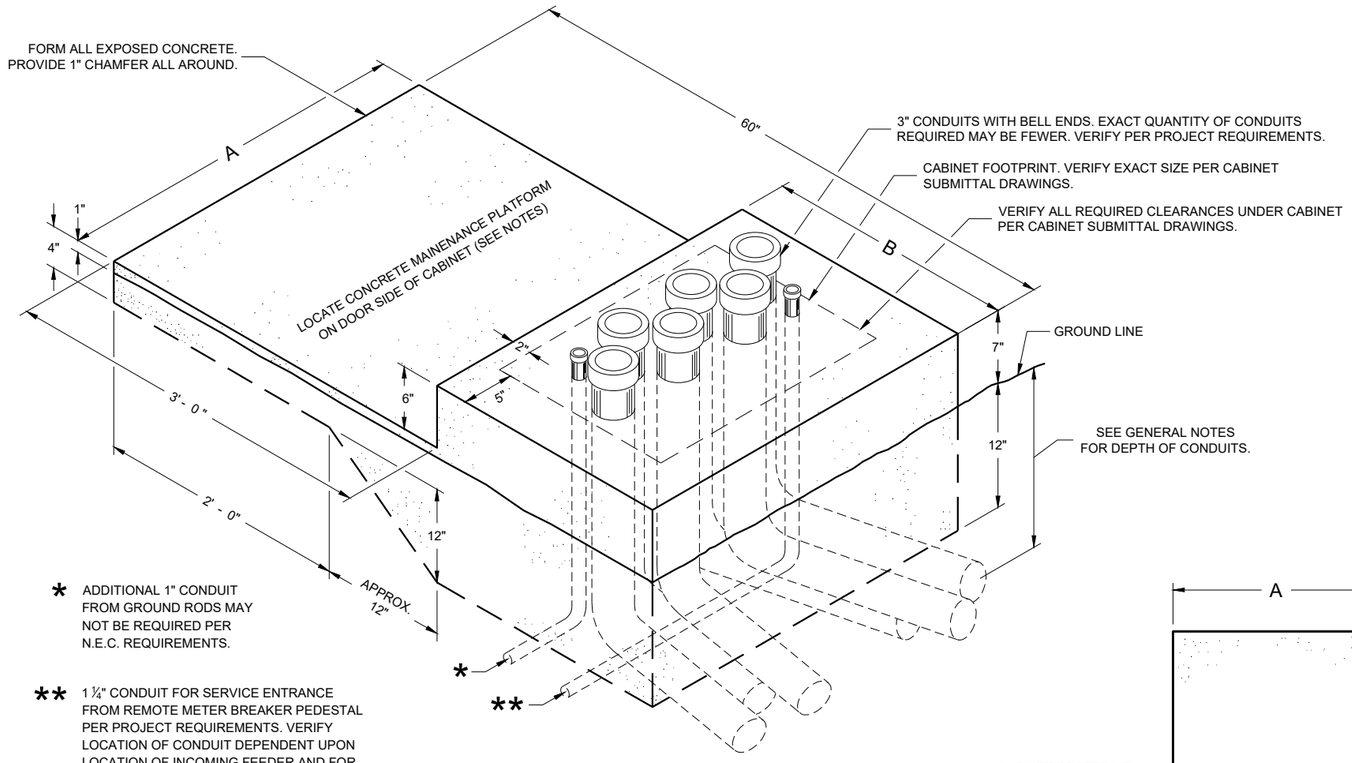
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA

PRE_194



* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

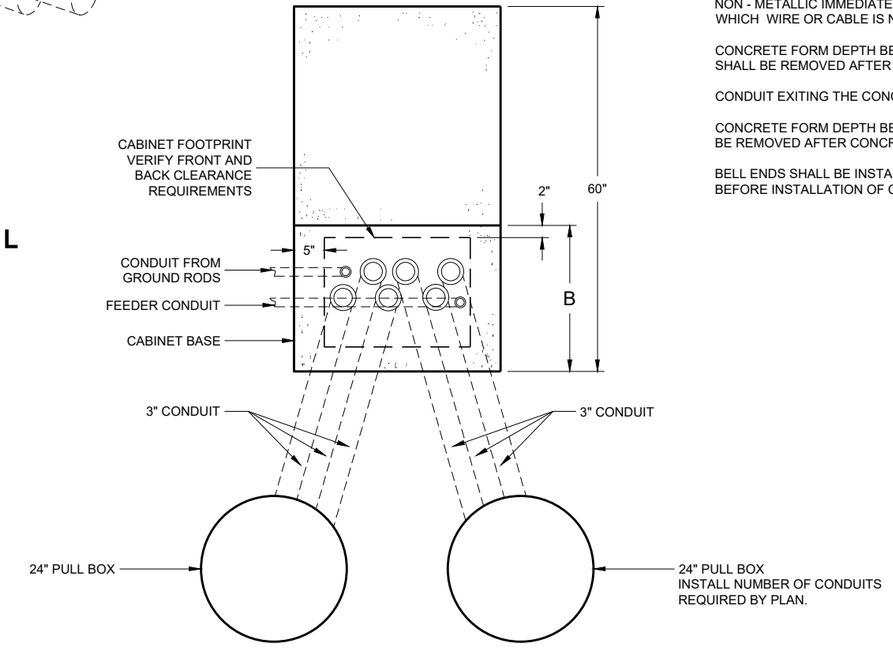
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

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 PRE_195

FHWA

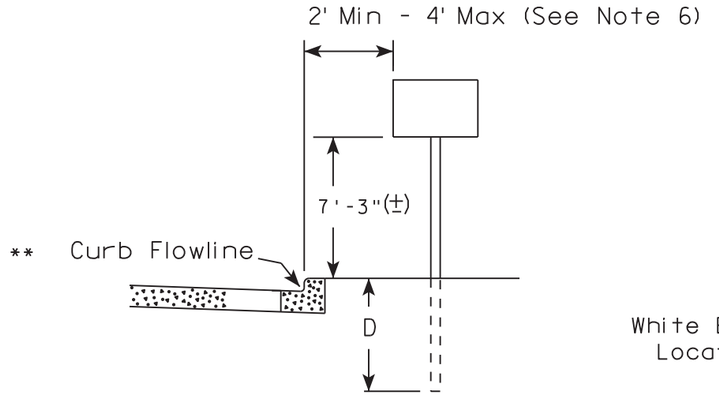
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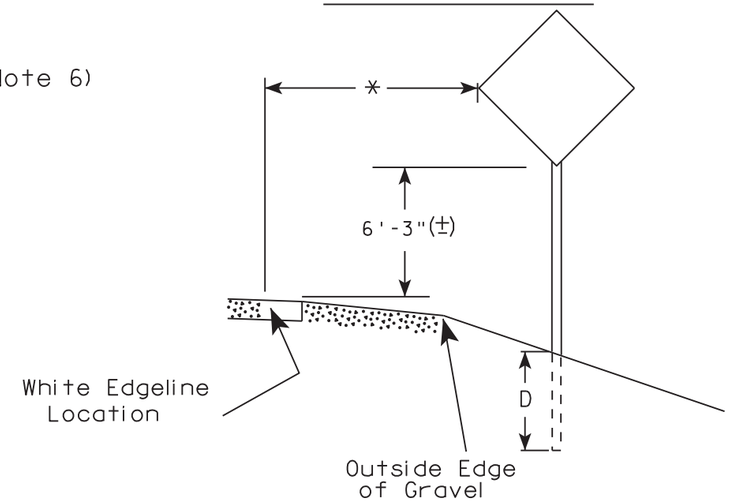
SDD 09C14 - 03

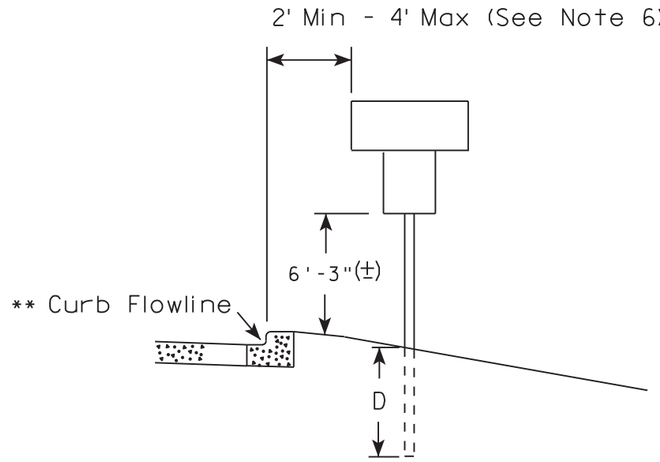
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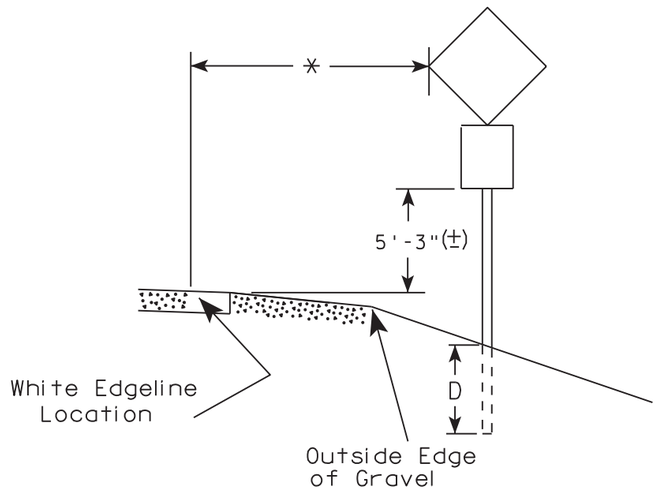
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. J-Assemblies are considered to be one sign for mounting height.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

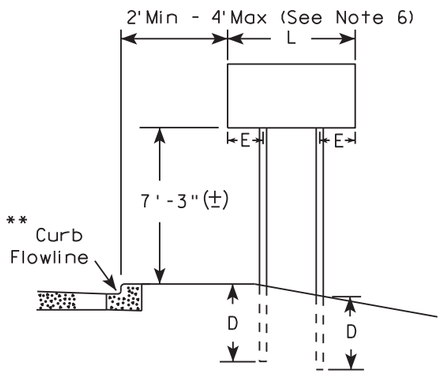
DATE 8/21/17 PLATE NO. A4-3.21

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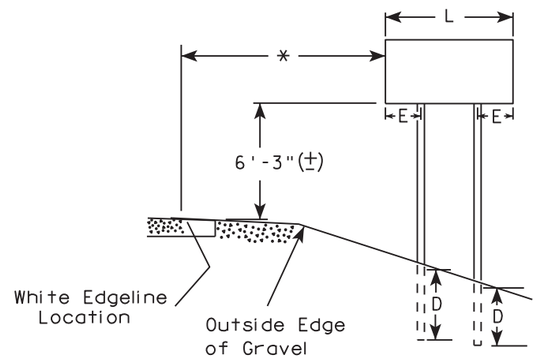
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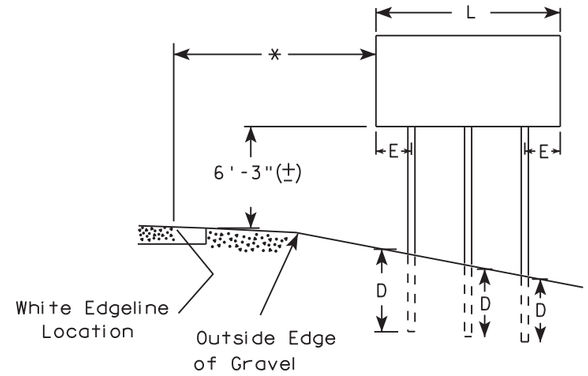
PROJECT NO:	HWY:	COUNTY:		SHEET NC PRE_196	E

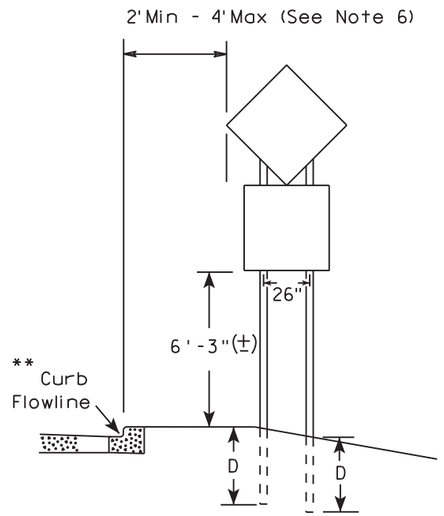
URBAN AREA



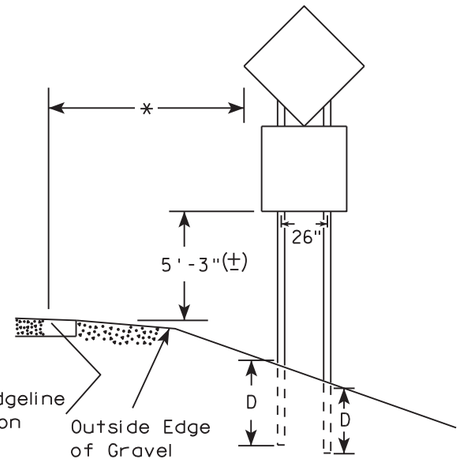
RURAL AREA (See Note 3)







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'

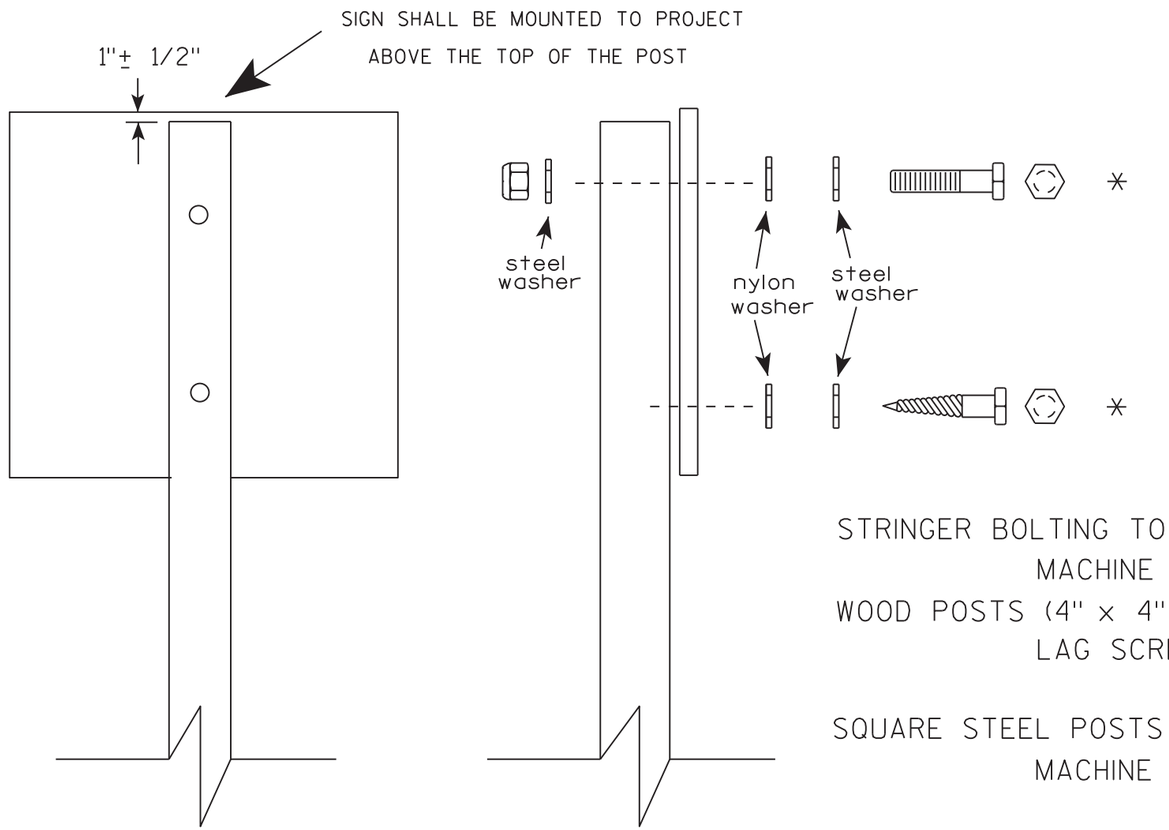
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

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. PRE_197	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 4" or 4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

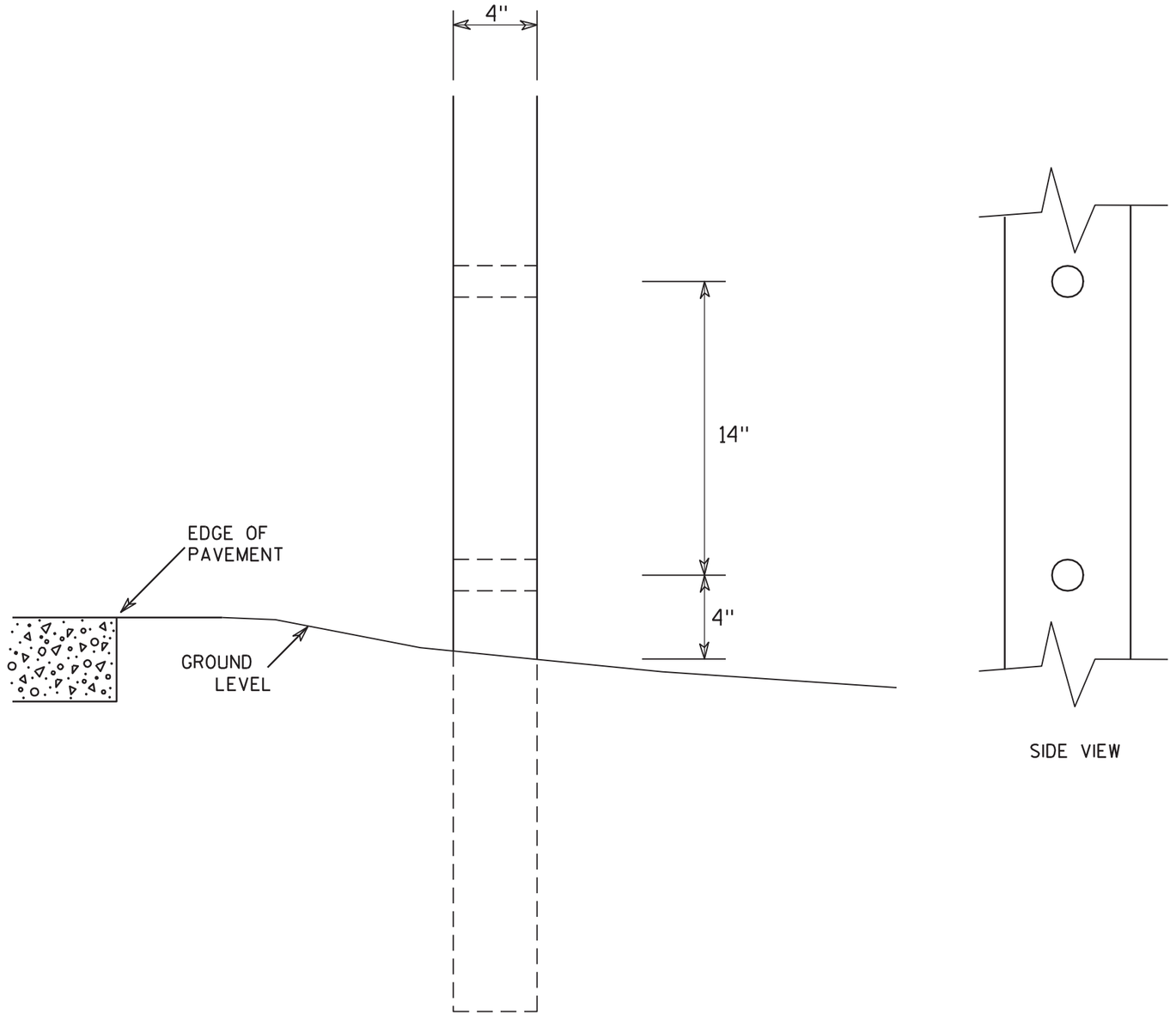
DATE 8/11/16 PLATE NO. A4-8.8

PRE_198

PROJECT NO:

SHEET NO: E

7



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 N PRE_199	E

STH 73

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.33	Cumulative Vol (CY) Mass Ordinate
						Note 1	Note 2	Note 3	Note 1		Note 8
69+38	6938.00	0.00	16.57	0.00	0.00	0	0	0	0	0	0
69+40	6940.00	2.00	17.25	0.00	0.00	1	0	0	1	0	1
69+45	6945.00	5.00	19.39	0.00	0.00	3	0	0	5	0	5
69+50	6950.00	5.00	22.92	0.00	0.00	4	0	0	9	0	9
69+55	6955.00	5.00	5.59	0.00	0.74	3	0	0	11	0	11
69+60	6960.00	5.00	112.43	0.00	0.97	11	0	0	22	0	22
69+65	6965.00	5.00	120.20	0.00	0.00	22	0	0	44	0	43
69+70	6970.00	5.00	128.25	0.00	0.00	23	0	0	67	0	66
69+75	6975.00	5.00	132.50	0.00	0.00	24	0	0	91	0	90
69+80	6980.00	5.00	124.48	0.00	0.00	24	0	0	115	0	114
69+85	6985.00	5.00	654.36	0.00	0.07	72	0	0	187	0	186
69+90	6990.00	5.00	1213.61	0.00	0.01	173	0	0	360	0	359
69+95	6995.00	5.00	787.60	0.00	0.00	185	0	0	545	0	545
70+00	7000.00	5.00	347.67	0.00	0.00	105	0	0	650	0	650
70+05	7005.00	5.00	134.97	0.00	0.04	45	0	0	695	0	694
70+10	7010.00	5.00	117.78	0.00	0.00	23	0	0	718	0	718
70+15	7015.00	5.00	124.93	0.00	0.01	22	0	0	741	0	740
70+20	7020.00	5.00	133.94	0.00	0.00	24	0	0	765	0	764
70+25	7025.00	5.00	137.91	0.00	0.00	25	0	0	790	0	789
70+30	7030.00	5.00	130.68	0.00	0.00	25	0	0	815	0	814
70+35	7035.00	5.00	120.31	0.00	0.35	23	0	0	838	0	837
70+40	7040.00	5.00	114.51	0.00	1.17	22	0	0	860	1	859
70+44.59	7044.59	4.59	0.00	0.00	0.00	10	0	0	869	1	869
					STH 73 TOTAL	**869**	**0**	**1**			

STH 89

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill	Cumulative Vol (CY) Mass Ordinate
									1.00	1.33	
						Note 1	Note 2	Note 3	Note 1		Note 8
02+47.34	247.34	0.00	0.00	0.00	0.00	0	0	0	0	0	0
02+50	250.00	2.66	0.00	0.00	0.00	0	0	0	0	0	0
02+75	275.00	25.00	0.00	0.00	0.00	0	0	0	0	0	0
03+00	300.00	25.00	72.36	0.00	0.63	33	0	0	33	0	33
03+25	325.00	25.00	75.47	0.00	2.44	68	0	1	102	2	100
03+50	350.00	25.00	79.98	0.00	3.14	72	0	3	174	6	168
03+63.4	363.40	13.40	85.31	0.00	5.11	41	0	2	215	8	206
03+65	365.00	1.60	78.96	0.00	5.04	5	0	0	220	9	211
03+70	370.00	5.00	70.57	0.00	5.50	14	0	1	234	10	223
03+75	375.00	5.00	72.29	0.00	6.07	13	0	1	247	12	235
03+80	380.00	5.00	82.29	0.00	2.31	14	0	1	261	13	249
03+85	385.00	5.00	100.79	0.00	0.44	17	0	0	278	13	265
03+90	390.00	5.00	101.01	0.00	0.00	19	0	0	297	13	284
03+95	395.00	5.00	92.98	0.00	0.00	18	0	0	315	13	302
04+00	400.00	5.00	88.25	0.00	0.00	17	0	0	332	13	319
04+05	405.00	5.00	83.07	0.00	0.00	16	0	0	347	13	334
04+10	410.00	5.00	77.34	0.00	0.00	15	0	0	362	13	349
04+15	415.00	5.00	80.60	0.00	0.00	15	0	0	377	13	364
04+20	420.00	5.00	84.83	0.00	0.00	15	0	0	392	13	379
04+25	425.00	5.00	87.26	0.00	0.00	16	0	0	408	13	395
04+30	430.00	5.00	89.61	0.00	0.04	16	0	0	425	13	412
04+35	435.00	5.00	91.35	0.00	0.00	17	0	0	441	13	428
04+40	440.00	5.00	89.55	0.00	1.17	17	0	0	458	13	445
04+45	445.00	5.00	80.91	0.00	3.90	16	0	0	474	14	460
04+50	450.00	5.00	74.60	0.00	3.01	14	0	1	488	15	474
04+55	455.00	5.00	73.49	0.00	0.84	14	0	0	502	15	487
04+59.51	459.51	4.51	78.76	0.00	0.17	13	0	0	515	15	499
04+75	475.00	15.49	81.52	0.00	0.21	46	0	0	561	15	545
05+00	500.00	25.00	84.02	0.00	0.67	77	0	0	637	16	621
05+25	525.00	25.00	92.87	0.00	1.59	82	0	1	719	17	702
05+50	550.00	25.00	106.76	0.00	1.00	92	0	1	812	19	793
05+75	575.00	25.00	116.45	0.00	1.05	103	0	1	915	20	895
06+00	600.00	25.00	117.07	0.00	0.88	108	0	1	1,023	21	1,002
06+25	625.00	25.00	109.03	0.00	0.67	105	0	1	1,128	22	1,105
06+50	650.00	25.00	108.79	0.00	0.59	101	0	1	1,229	23	1,205
06+75	675.00	25.00	108.48	0.00	0.27	101	0	0	1,329	24	1,306
07+00	700.00	25.00	106.16	0.00	0.64	99	0	0	1,428	24	1,404
07+25	725.00	25.00	105.51	0.00	0.13	98	0	0	1,526	25	1,502
07+50	750.00	25.00	104.82	0.00	0.03	97	0	0	1,624	25	1,599
07+75	775.00	25.00	103.58	0.00	0.00	96	0	0	1,720	25	1,696
08+00	800.00	25.00	106.76	0.00	0.00	97	0	0	1,818	25	1,793
08+25	825.00	25.00	111.30	0.00	0.00	101	0	0	1,919	25	1,894
08+50	850.00	25.00	110.63	0.00	0.01	103	0	0	2,021	25	1,997
08+75	875.00	25.00	108.54	0.00	0.01	101	0	0	2,123	25	2,098
09+00	900.00	25.00	133.95	0.00	0.00	112	0	0	2,235	25	2,210
09+25	925.00	25.00	137.39	0.00	0.00	126	0	0	2,361	25	2,336
09+50	950.00	25.00	124.57	0.00	0.00	121	0	0	2,482	25	2,457
09+75	975.00	25.00	118.08	0.00	0.01	112	0	0	2,594	25	2,570
10+00	1000.00	25.00	105.07	0.00	0.33	103	0	0	2,698	25	2,673
				PAGE TOTAL		**2,698**	**0**	**19**			

STH 89 CONTINUED

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.33	Cumulative Vol (CY) Mass Ordinate
						Note 1	Note 2	Note 3	Note 1		Note 8
10+25	1025.00	25.00	101.94	0.00	1.36	96	0	1	2,794	26	2,768
10+50	1050.00	25.00	101.20	0.00	2.86	94	0	2	2,888	29	2,859
10+75	1075.00	25.00	104.92	0.00	3.51	95	0	3	2,983	33	2,950
11+00	1100.00	25.00	105.58	0.00	2.76	97	0	3	3,080	36	3,044
11+25	1125.00	25.00	110.78	0.00	2.24	100	0	2	3,181	39	3,141
11+50	1150.00	25.00	112.95	0.00	4.52	104	0	3	3,284	44	3,241
11+75	1175.00	25.00	118.18	0.00	3.75	107	0	4	3,391	49	3,343
12+00	1200.00	25.00	122.68	0.00	3.13	112	0	3	3,503	53	3,450
12+25	1225.00	25.00	124.62	0.00	3.10	114	0	3	3,617	57	3,560
12+50	1250.00	25.00	127.71	0.00	1.61	117	0	2	3,734	60	3,674
12+75	1275.00	25.00	122.95	0.00	2.69	116	0	2	3,850	62	3,788
13+00	1300.00	25.00	122.51	0.00	0.00	114	0	1	3,964	64	3,900
13+25	1325.00	25.00	117.79	0.00	0.00	111	0	0	4,075	64	4,011
13+50	1350.00	25.00	125.28	0.00	0.00	113	0	0	4,188	64	4,124
13+75	1375.00	25.00	123.60	0.00	0.00	115	0	0	4,303	64	4,239
14+00	1400.00	25.00	138.53	0.00	0.05	121	0	0	4,424	64	4,360
14+25	1425.00	25.00	142.32	0.00	0.51	130	0	0	4,554	64	4,490
14+50	1450.00	25.00	143.70	0.00	0.12	132	0	0	4,687	65	4,622
14+75	1475.00	25.00	138.80	0.00	0.01	131	0	0	4,817	65	4,752
15+00	1500.00	25.00	128.29	0.00	0.00	124	0	0	4,941	65	4,876
15+25	1525.00	25.00	124.15	0.00	0.00	117	0	0	5,058	65	4,993
15+50	1550.00	25.00	125.12	0.00	0.00	115	0	0	5,173	65	5,108
15+75	1575.00	25.00	127.83	0.00	0.00	117	0	0	5,290	65	5,226
16+00	1600.00	25.00	120.03	0.00	0.00	115	0	0	5,405	65	5,340
16+25	1625.00	25.00	103.35	0.00	0.54	103	0	0	5,509	65	5,443
16+50	1650.00	25.00	106.60	0.00	0.00	97	0	0	5,606	65	5,540
16+75	1675.00	25.00	105.31	0.00	0.00	98	0	0	5,704	65	5,638
17+00	1700.00	25.00	107.32	0.00	0.00	98	0	0	5,802	65	5,737
17+25	1725.00	25.00	106.33	0.00	0.01	99	0	0	5,901	66	5,836
17+50	1750.00	25.00	101.57	0.00	0.02	96	0	0	5,997	66	5,932
17+75	1775.00	25.00	103.56	0.00	0.00	95	0	0	6,092	66	6,027
18+00	1800.00	25.00	100.24	0.00	0.12	94	0	0	6,187	66	6,121
18+14.71	1814.71	14.71	132.54	0.00	0.05	63	0	0	6,250	66	6,184
18+15	1815.00	0.29	132.96	0.00	0.07	1	0	0	6,252	66	6,186
18+20	1820.00	5.00	126.71	0.00	0.86	24	0	0	6,276	66	6,210
18+25	1825.00	5.00	125.36	0.00	1.96	23	0	0	6,299	66	6,233
18+30	1830.00	5.00	128.51	0.00	4.60	24	0	1	6,322	67	6,256
18+35	1835.00	5.00	136.95	0.00	6.74	25	0	1	6,347	68	6,279
18+40	1840.00	5.00	147.78	0.00	5.47	26	0	1	6,373	70	6,304
18+45	1845.00	5.00	130.55	0.00	6.83	26	0	1	6,399	71	6,328
18+50	1850.00	5.00	119.35	0.00	6.48	23	0	1	6,422	73	6,349
18+55	1855.00	5.00	108.56	0.00	6.00	21	0	1	6,443	75	6,369
18+59.98	1859.98	4.98	97.98	0.00	5.44	19	0	1	6,462	76	6,387
18+60.06	1860.06	0.08	102.40	0.00	5.43	0	0	0	6,463	76	6,387
18+65	1865.00	4.94	109.82	0.00	5.09	19	0	1	6,482	77	6,405
18+70	1870.00	5.00	117.26	0.00	4.94	21	0	1	6,503	78	6,425
18+75	1875.00	5.00	122.49	0.00	5.46	22	0	1	6,525	80	6,446
18+80	1880.00	5.00	131.27	0.00	5.40	23	0	1	6,549	81	6,468
18+85	1885.00	5.00	134.33	0.00	6.49	25	0	1	6,573	83	6,491
18+90	1890.00	5.00	123.12	0.00	11.76	24	0	2	6,597	85	6,513
					PAGE TOTAL	3,900	0	45			

STH 89 CONTINUED

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill	Cumulative Vol (CY) Mass Ordinate
									1.00	1.33	
						Note 1	Note 2	Note 3	Note 1		Note 8
18+95	1895.00	5.00	115.69	0.00	20.00	22	0	3	6,619	89	6,531
19+00	1900.00	5.00	112.44	0.00	22.34	21	0	4	6,641	94	6,547
19+05	1905.00	5.00	118.69	0.00	18.22	21	0	4	6,662	99	6,563
19+06.17	1906.17	1.17	118.16	0.00	19.15	5	0	1	6,667	100	6,567
19+25	1925.00	18.83	112.28	0.00	34.69	80	0	19	6,747	125	6,622
19+50	1950.00	25.00	110.17	0.00	28.47	103	0	29	6,850	164	6,687
19+75	1975.00	25.00	112.25	0.00	25.72	103	0	25	6,953	197	6,756
20+00	2000.00	25.00	112.94	0.00	23.81	104	0	23	7,058	228	6,830
20+25	2025.00	25.00	113.54	0.00	20.88	105	0	21	7,163	255	6,907
20+50	2050.00	25.00	117.88	0.00	19.24	107	0	19	7,270	280	6,990
20+75	2075.00	25.00	121.85	0.00	19.55	111	0	18	7,381	304	7,077
21+00	2100.00	25.00	126.39	0.00	15.19	115	0	16	7,496	325	7,170
21+25	2125.00	25.00	127.53	0.00	13.93	118	0	13	7,613	343	7,270
21+50	2150.00	25.00	129.20	0.00	13.57	119	0	13	7,732	360	7,372
21+75	2175.00	25.00	131.38	0.00	15.22	121	0	13	7,853	378	7,475
22+00	2200.00	25.00	136.92	0.00	18.05	124	0	15	7,977	398	7,579
22+25	2225.00	25.00	131.13	0.00	19.97	124	0	18	8,101	422	7,679
22+50	2250.00	25.00	129.94	0.00	16.64	121	0	17	8,222	444	7,778
22+75	2275.00	25.00	114.82	0.00	13.48	113	0	14	8,335	463	7,872
23+00	2300.00	25.00	111.14	0.00	12.24	105	0	12	8,440	479	7,961
23+25	2325.00	25.00	110.01	0.00	12.58	102	0	11	8,542	494	8,048
23+50	2350.00	25.00	108.25	0.00	14.01	101	0	12	8,643	510	8,133
23+75	2375.00	25.00	108.46	0.00	10.51	100	0	11	8,743	525	8,218
24+00	2400.00	25.00	109.37	0.00	8.69	101	0	9	8,844	537	8,307
24+25	2425.00	25.00	109.65	0.00	6.65	101	0	7	8,946	547	8,399
24+50	2450.00	25.00	110.88	0.00	6.48	102	0	6	9,048	555	8,493
24+75	2475.00	25.00	110.20	0.00	6.30	102	0	6	9,150	563	8,588
25+00	2500.00	25.00	109.27	0.00	5.89	102	0	6	9,252	570	8,682
25+25	2525.00	25.00	109.31	0.00	4.74	101	0	5	9,353	577	8,776
25+50	2550.00	25.00	109.92	0.00	5.62	101	0	5	9,454	583	8,871
25+75	2575.00	25.00	109.70	0.00	3.99	102	0	4	9,556	589	8,967
26+00	2600.00	25.00	114.80	0.00	1.73	104	0	3	9,660	592	9,068
26+25	2625.00	25.00	126.91	0.00	0.00	112	0	1	9,772	594	9,178
26+29.46	2629.46	4.46	120.94	0.00	0.00	20	0	0	9,792	594	9,199
26+30	2630.00	0.54	120.96	0.00	0.06	2	0	0	9,795	594	9,201
26+35	2635.00	5.00	121.83	0.00	0.00	22	0	0	9,817	594	9,224
26+40	2640.00	5.00	119.13	0.00	0.00	22	0	0	9,840	594	9,246
26+45	2645.00	5.00	115.77	0.00	0.00	22	0	0	9,861	594	9,268
26+50	2650.00	5.00	109.89	0.00	0.00	21	0	0	9,882	594	9,289
26+55	2655.00	5.00	104.31	0.00	0.00	20	0	0	9,902	594	9,309
26+60	2660.00	5.00	104.07	0.00	0.16	19	0	0	9,921	594	9,328
26+65	2665.00	5.00	105.74	0.00	0.17	19	0	0	9,941	594	9,347
26+70	2670.00	5.00	108.07	0.00	0.16	20	0	0	9,961	594	9,367
26+75	2675.00	5.00	111.55	0.00	0.16	20	0	0	9,981	594	9,387
26+79.42	2679.42	4.42	112.65	0.00	0.50	18	0	0	9,999	594	9,406
26+79.42	2679.42	0.00	0.00	0.00	0.00	0	0	0	9,999	594	9,406
27+00	2700.00	20.58	125.23	0.00	0.12	48	0	0	10,047	594	9,453
27+25	2725.00	25.00	119.03	0.00	0.09	113	0	0	10,160	594	9,566
27+50	2750.00	25.00	118.53	0.00	0.05	110	0	0	10,270	594	9,676
27+75	2775.00	25.00	128.94	0.00	0.00	115	0	0	10,385	594	9,791
					PAGE TOTAL	3,787	0	383			

STH 89 CONTINUED

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill	Cumulative Vol (CY) Mass Ordinate
									1.00	1.33	
						Note 1	Note 2	Note 3	Note 1		Note 8
28+00	2800.00	25.00	124.99	0.00	0.00	118	0	0	10,502	594	9,908
28+25	2825.00	25.00	123.76	0.00	0.00	115	0	0	10,617	594	10,023
28+50	2850.00	25.00	126.91	0.00	0.00	116	0	0	10,733	594	10,139
28+75	2875.00	25.00	126.09	0.00	0.01	117	0	0	10,851	594	10,257
29+00	2900.00	25.00	121.55	0.00	0.04	115	0	0	10,965	594	10,371
29+25	2925.00	25.00	117.04	0.00	0.24	110	0	0	11,076	594	10,481
29+50	2950.00	25.00	111.90	0.00	0.26	106	0	0	11,182	595	10,587
29+75	2975.00	25.00	108.42	0.00	0.29	102	0	0	11,284	595	10,689
30+00	3000.00	25.00	106.55	0.00	3.24	100	0	2	11,383	597	10,786
30+25	3025.00	25.00	105.23	0.00	2.12	98	0	2	11,481	600	10,881
30+50	3050.00	25.00	105.69	0.00	2.06	98	0	2	11,579	603	10,976
30+75	3075.00	25.00	108.29	0.00	1.37	99	0	2	11,678	605	11,073
31+00	3100.00	25.00	100.62	0.00	1.67	97	0	1	11,775	607	11,168
31+25	3125.00	25.00	98.08	0.00	2.06	92	0	2	11,867	609	11,257
31+50	3150.00	25.00	95.29	0.00	1.13	90	0	1	11,956	611	11,345
31+75	3175.00	25.00	88.48	0.00	6.15	85	0	3	12,041	616	11,426
32+00	3200.00	25.00	92.78	0.00	4.54	84	0	5	12,125	622	11,503
32+25	3225.00	25.00	95.46	0.00	2.24	87	0	3	12,212	626	11,586
32+50	3250.00	25.00	95.46	0.00	3.35	88	0	3	12,301	630	11,671
32+75	3275.00	25.00	102.10	0.00	1.23	91	0	2	12,392	633	11,759
33+00	3300.00	25.00	111.22	0.00	0.00	99	0	1	12,491	633	11,857
33+25	3325.00	25.00	115.36	0.00	0.68	105	0	0	12,596	634	11,962
33+50	3350.00	25.00	115.86	0.00	0.61	107	0	1	12,703	635	12,068
33+75	3375.00	25.00	106.22	0.00	1.24	103	0	1	12,806	636	12,170
34+00	3400.00	25.00	108.13	0.00	0.34	99	0	1	12,905	637	12,268
34+25	3425.00	25.00	105.49	0.00	2.61	99	0	1	13,004	639	12,365
34+50	3450.00	25.00	102.37	0.00	1.13	96	0	2	13,100	641	12,459
34+75	3475.00	25.00	111.55	0.00	0.00	99	0	1	13,199	642	12,558
35+00	3500.00	25.00	113.07	0.00	1.03	104	0	0	13,303	642	12,661
35+25	3525.00	25.00	106.57	0.00	0.84	102	0	1	13,405	643	12,761
35+50	3550.00	25.00	112.12	0.00	1.07	101	0	1	13,506	645	12,861
35+75	3575.00	25.00	103.26	0.00	1.26	100	0	1	13,606	646	12,960
36+00	3600.00	25.00	108.83	0.00	1.34	98	0	1	13,704	648	13,056
36+00.46	3600.46	0.46	109.14	0.00	1.33	2	0	0	13,706	648	13,058
36+05	3605.00	4.54	111.40	0.00	1.22	19	0	0	13,724	648	13,076
36+10	3610.00	5.00	118.41	0.00	0.94	21	0	0	13,746	648	13,097
36+10.05	3610.05	0.05	118.38	0.00	0.93	0	0	0	13,746	648	13,098
36+15	3615.00	4.95	121.06	0.00	2.37	22	0	0	13,768	649	13,119
36+20	3620.00	5.00	130.67	0.00	1.32	23	0	0	13,791	649	13,142
36+25	3625.00	5.00	145.58	0.00	0.00	26	0	0	13,817	649	13,167
36+30	3630.00	5.00	146.09	0.00	0.00	27	0	0	13,844	649	13,194
36+35	3635.00	5.00	134.29	0.00	0.00	26	0	0	13,870	649	13,220
36+40	3640.00	5.00	123.79	0.00	0.00	24	0	0	13,894	649	13,244
36+45	3645.00	5.00	111.35	0.00	0.00	22	0	0	13,915	649	13,266
36+50	3650.00	5.00	95.98	0.00	0.00	19	0	0	13,935	649	13,285
36+55	3655.00	5.00	95.02	0.00	0.00	18	0	0	13,952	649	13,303
36+60	3660.00	5.00	108.07	0.00	0.00	19	0	0	13,971	649	13,322
36+65	3665.00	5.00	119.14	0.00	0.00	21	0	0	13,992	649	13,343
36+70	3670.00	5.00	130.40	0.00	0.00	23	0	0	14,015	649	13,366
36+75	3675.00	5.00	134.14	0.00	0.35	24	0	0	14,040	649	13,390
				PAGE TOTAL		**3,655**	**0**	**41**			

STH 89 CONTINUED

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill	Cumulative Vol (CY) Mass Ordinate
									1.00	1.33	
						Note 1	Note 2	Note 3	Note 1		Note 8
36+80	3680.00	5.00	130.08	0.00	0.94	24	0	0	14,064	649	13,415
36+85	3685.00	5.00	114.12	0.00	1.74	23	0	0	14,087	650	13,437
36+90	3690.00	5.00	111.76	0.00	0.99	21	0	0	14,108	650	13,458
36+91.18	3691.18	1.18	110.73	0.00	1.18	5	0	0	14,113	650	13,462
36+95	3695.00	3.82	103.71	0.00	1.08	15	0	0	14,128	650	13,477
37+00	3700.00	5.00	94.21	0.00	3.78	18	0	0	14,146	651	13,495
37+02.29	3702.29	2.29	92.55	0.00	3.78	8	0	0	14,154	651	13,503
37+25	3725.00	22.71	95.74	0.00	5.25	79	0	4	14,233	656	13,577
37+50	3750.00	25.00	105.98	0.00	1.74	93	0	3	14,326	661	13,666
37+75	3775.00	25.00	109.98	0.00	0.93	100	0	1	14,426	662	13,764
38+00	3800.00	25.00	112.52	0.00	0.73	103	0	1	14,529	663	13,866
38+25	3825.00	25.00	108.79	0.00	1.82	102	0	1	14,632	665	13,967
38+50	3850.00	25.00	110.69	0.00	2.20	102	0	2	14,734	667	14,066
38+75	3875.00	25.00	116.90	0.00	0.11	105	0	1	14,839	669	14,170
39+00	3900.00	25.00	114.81	0.00	0.17	107	0	0	14,946	669	14,277
39+25	3925.00	25.00	118.62	0.00	0.22	108	0	0	15,054	669	14,385
39+50	3950.00	25.00	112.66	0.00	0.60	107	0	0	15,161	670	14,492
39+75	3975.00	25.00	107.25	0.00	1.74	102	0	1	15,263	671	14,592
39+86.95	3986.95	11.95	108.09	0.00	1.94	48	0	1	15,311	672	14,638
39+90	3990.00	3.05	108.39	0.00	1.73	12	0	0	15,323	673	14,650
39+90.42	3990.42	0.42	108.13	0.00	1.46	2	0	0	15,325	673	14,652
39+95	3995.00	4.58	107.67	0.00	1.66	18	0	0	15,343	673	14,670
40+00	4000.00	5.00	113.72	0.00	3.26	20	0	0	15,364	674	14,690
40+05	4005.00	5.00	127.69	0.00	2.83	22	0	1	15,386	674	14,712
40+10	4010.00	5.00	147.96	0.00	0.41	26	0	0	15,411	675	14,737
40+15	4015.00	5.00	139.81	0.00	0.00	27	0	0	15,438	675	14,763
40+20	4020.00	5.00	130.97	0.00	0.00	25	0	0	15,463	675	14,788
40+25	4025.00	5.00	119.20	0.00	0.00	23	0	0	15,486	675	14,811
40+30	4030.00	5.00	104.26	0.00	0.00	21	0	0	15,507	675	14,832
40+35	4035.00	5.00	98.60	0.00	0.00	19	0	0	15,526	675	14,851
40+40	4040.00	5.00	114.30	0.00	0.00	20	0	0	15,545	675	14,871
40+45	4045.00	5.00	127.43	0.00	0.00	22	0	0	15,568	675	14,893
40+50	4050.00	5.00	136.86	0.00	0.09	24	0	0	15,592	675	14,917
40+55	4055.00	5.00	129.80	0.00	1.50	25	0	0	15,617	675	14,942
40+60	4060.00	5.00	129.52	0.00	1.68	24	0	0	15,641	675	14,966
40+65	4065.00	5.00	116.23	0.00	2.41	23	0	0	15,664	676	14,988
40+67.54	4067.54	2.54	114.29	0.00	1.42	11	0	0	15,675	676	14,998
40+70	4070.00	2.46	115.02	0.00	0.78	10	0	0	15,685	676	15,009
40+75	4075.00	5.00	108.70	0.00	1.50	21	0	0	15,706	677	15,029
40+80	4080.00	5.00	107.04	0.00	1.67	20	0	0	15,726	677	15,049
40+82.37	4082.37	2.37	106.95	0.00	1.98	9	0	0	15,735	677	15,058
41+00	4100.00	17.63	106.36	0.00	2.92	70	0	2	15,805	679	15,125
41+25	4125.00	25.00	104.95	0.00	1.84	98	0	2	15,903	682	15,220
41+50	4150.00	25.00	98.70	0.00	5.14	94	0	3	15,997	687	15,310
41+75	4175.00	25.00	92.82	0.00	4.74	89	0	5	16,086	693	15,393
42+00	4200.00	25.00	92.08	0.00	4.17	86	0	4	16,171	698	15,473
42+25	4225.00	25.00	89.89	0.00	8.08	84	0	6	16,255	706	15,550
42+50	4250.00	25.00	90.16	0.00	13.09	83	0	10	16,339	719	15,620
42+75	4275.00	25.00	84.96	0.00	6.66	81	0	9	16,420	731	15,689
43+00	4300.00	25.00	90.74	0.00	27.41	81	0	16	16,501	752	15,749
					PAGE TOTAL	2,462	0	77			

STH 89 CONTINUED

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Cumulative Vol (CY) Expanded Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.33	Cumulative Vol (CY) Mass Ordinate Note 8
43+25	4325.00	25.00	91.77	0.00	6.43	84	0	16	16,586	773	15,813
43+50	4350.00	25.00	94.84	0.00	2.00	86	0	4	16,672	778	15,894
43+75	4375.00	25.00	90.38	0.00	3.20	86	0	2	16,758	781	15,977
44+00	4400.00	25.00	94.25	0.00	3.50	85	0	3	16,843	785	16,058
44+25	4425.00	25.00	92.71	0.00	4.21	87	0	4	16,930	790	16,140
44+50	4450.00	25.00	89.53	0.00	6.25	84	0	5	17,014	796	16,218
44+75	4475.00	25.00	86.05	0.00	4.11	81	0	5	17,096	803	16,293
45+00	4500.00	25.00	83.80	0.00	16.65	79	0	10	17,174	816	16,359
45+25	4525.00	25.00	82.52	0.00	13.03	77	0	14	17,251	834	16,417
45+50	4550.00	25.00	83.59	0.00	10.76	77	0	11	17,328	848	16,480
45+75	4575.00	25.00	85.05	0.00	9.01	78	0	9	17,406	861	16,546
46+00	4600.00	25.00	83.00	0.00	9.21	78	0	8	17,484	872	16,612
46+25	4625.00	25.00	85.96	0.00	4.66	78	0	6	17,562	880	16,682
46+50	4650.00	25.00	90.93	0.00	2.62	82	0	3	17,644	885	16,759
46+75	4675.00	25.00	86.95	0.00	5.01	82	0	4	17,726	890	16,837
47+00	4700.00	25.00	90.15	0.00	7.53	82	0	6	17,808	897	16,911
47+25	4725.00	25.00	94.89	0.00	1.25	86	0	4	17,894	903	16,991
47+50	4750.00	25.00	107.27	0.00	0.19	94	0	1	17,988	904	17,084
47+75	4775.00	25.00	114.01	0.00	1.16	102	0	1	18,090	904	17,186
48+00	4800.00	25.00	124.20	0.00	0.03	110	0	1	18,200	905	17,295
48+25	4825.00	25.00	123.88	0.00	0.04	115	0	0	18,315	905	17,410
48+50	4850.00	25.00	110.70	0.00	2.12	109	0	1	18,424	907	17,517
48+75	4875.00	25.00	111.71	0.00	2.00	103	0	2	18,527	909	17,618
49+00	4900.00	25.00	113.87	0.00	1.61	104	0	2	18,631	911	17,720
49+25	4925.00	25.00	108.30	0.00	1.56	103	0	1	18,734	913	17,821
49+50	4950.00	25.00	111.20	0.00	2.05	102	0	2	18,836	915	17,920
49+67.42	4967.42	17.42	116.59	0.00	1.00	73	0	1	18,909	917	17,992
49+70	4970.00	2.58	118.43	0.00	0.08	11	0	0	18,920	917	18,004
49+75	4975.00	5.00	120.41	0.00	0.01	22	0	0	18,943	917	18,026
49+80	4980.00	5.00	105.16	0.00	0.00	21	0	0	18,963	917	18,047
49+85	4985.00	5.00	63.58	0.00	0.00	16	0	0	18,979	917	18,062
49+90	4990.00	5.00	22.91	0.00	0.00	8	0	0	18,987	917	18,070
49+92.93	4992.93	2.93	0.23	0.00	0.00	1	0	0	18,988	917	18,071
					PAGE TOTAL	**2,487**	**0**	**124**			
					STH 89 TOTAL	**18,988**	**0**	**689**			

AVALON ROAD

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill	Cumulative Vol (CY) Mass Ordinate
									1.00	1.33	
						Note 1	Note 2	Note 3	Note 1		Note 8
09+52.18	952.18	0.00	83.08	0.00	0.00	0	0	0	0	0	0
09+55	955.00	2.82	95.56	0.00	0.03	9	0	0	9	0	9
09+60	960.00	5.00	95.41	0.00	1.31	18	0	0	27	0	27
09+65	965.00	5.00	98.63	0.00	1.09	18	0	0	45	0	45
09+70	970.00	5.00	73.00	0.00	0.00	16	0	0	61	1	60
09+75	975.00	5.00	44.43	0.00	0.00	11	0	0	72	1	71
09+80	980.00	5.00	16.92	0.00	0.00	6	0	0	77	1	77
				AVALON TOTAL		**77**	**0**	**0**			

FOLSOM STREET

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill	Cumulative Vol (CY) Mass Ordinate
									1.00	1.33	
						Note 1	Note 2	Note 3	Note 1		Note 8
49+47.32	4947.32	0.00	3.06	0.00	0.00	0	0	0	0	0	0
49+50	4950.00	2.68	91.61	0.00	0.30	5	0	0	5	0	5
49+55	4955.00	5.00	91.71	0.00	2.12	17	0	0	22	0	21
49+56.26	4956.26	1.26	92.80	0.00	2.09	4	0	0	26	0	26
49+60	4960.00	3.74	97.39	0.00	0.91	13	0	0	39	1	38
49+65	4965.00	5.00	93.22	0.00	0.43	18	0	0	57	1	56
49+70	4970.00	5.00	74.35	0.00	0.00	16	0	0	72	1	71
49+75	4975.00	5.00	42.20	0.00	0.00	11	0	0	83	1	82
49+80	4980.00	5.00	6.87	0.00	0.00	5	0	0	88	1	87
49+80.9	4980.90	0.90	0.29	0.00	0.00	0	0	0	88	1	87
50+19.06	5019.06	38.15	0.23	0.00	0.00	0	0	0	88	1	87
50+20	5020.00	0.94	7.36	0.00	0.00	0	0	0	88	1	87
50+25	5025.00	5.00	45.11	0.00	0.00	5	0	0	93	1	92
50+30	5030.00	5.00	81.05	0.00	0.00	12	0	0	105	1	104
50+35	5035.00	5.00	108.61	0.00	0.00	18	0	0	122	1	121
50+40	5040.00	5.00	106.35	0.00	0.06	20	0	0	142	1	141
50+44.82	5044.82	4.82	100.29	0.00	0.28	18	0	0	161	1	160
50+45	5045.00	0.18	99.89	0.00	0.28	1	0	0	161	1	160
50+50	5050.00	5.00	96.16	0.00	0.00	18	0	0	180	1	179
50+51.39	5051.39	1.39	95.83	0.00	0.00	5	0	0	184	1	183
				FOLSOM TOTAL		**184**	**0**	**1**			

FRONTAGE ROAD

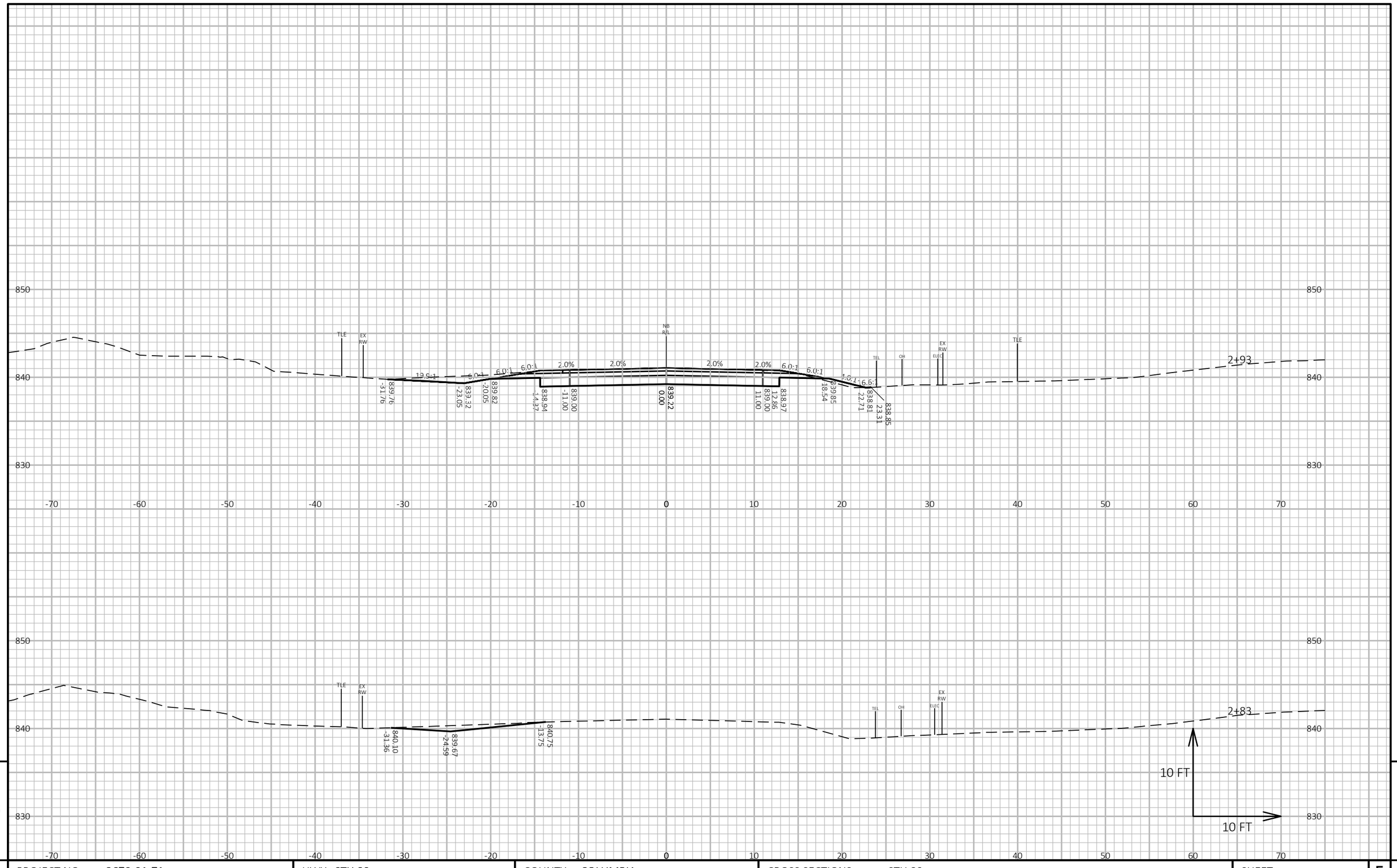
STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill	Mass Ordinate
									1.00	1.33	
						Note 1	Note 2	Note 3	Note 1		Note 8
39+33.06	3933.06	0.00	7.60	0.00	0.17	0	0	0	0	0	0
39+35	3935.00	1.94	61.71	0.00	0.12	2	0	0	2	0	2
39+40	3940.00	5.00	79.92	0.00	0.00	13	0	0	16	0	16
39+45	3945.00	5.00	80.01	0.00	0.00	15	0	0	30	0	30
39+50	3950.00	5.00	66.13	0.00	0.00	14	0	0	44	0	44
39+55	3955.00	5.00	76.14	0.00	0.00	13	0	0	57	0	57
39+60	3960.00	5.00	82.23	0.00	0.00	15	0	0	72	0	72
39+65	3965.00	5.00	92.68	0.00	0.17	16	0	0	88	0	88
39+70	3970.00	5.00	94.37	0.00	0.00	17	0	0	105	0	105
39+75	3975.00	5.00	111.97	0.00	0.31	19	0	0	124	0	124
39+75.04	3975.04	0.04	111.98	0.00	0.32	0	0	0	125	0	124
39+80	3980.00	4.96	18.43	0.00	0.00	12	0	0	137	0	136
39+81	3981.00	1.00	0.04	0.00	0.00	0	0	0	137	0	137
				FRONTAGE ROAD TOTAL		**137**	**0**	**0**			

POET STREET

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill	Mass Ordinate
									1.00	1.33	
						Note 1	Note 2	Note 3	Note 1		Note 8
59+47.83	5947.83	0.00	0.86	0.00	1.52	0	0	0	0	0	0
59+50	5950.00	2.17	1.00	0.00	3.40	0	0	0	0	0	0
59+55	5955.00	5.00	2.09	0.00	5.02	0	0	1	0	1	-1
59+55.87	5955.87	0.87	2.10	0.00	4.91	0	0	0	0	2	-1
59+60	5960.00	4.13	2.07	0.00	4.92	0	0	1	1	3	-2
59+65	5965.00	5.00	2.81	0.00	3.16	0	0	1	1	4	-2
59+70	5970.00	5.00	3.94	0.00	0.23	1	0	0	2	4	-2
59+75	5975.00	5.00	3.93	0.00	0.00	1	0	0	3	4	-1
59+80	5980.00	5.00	0.93	0.00	0.00	0	0	0	3	4	-1
59+80.82	5980.82	0.82	0.13	0.00	0.00	0	0	0	3	4	-1
60+19.24	6019.24	38.42	0.27	0.00	0.00	0	0	0	3	4	-1
60+20	6020.00	0.76	1.21	0.00	0.00	0	0	0	3	4	-1
60+25	6025.00	5.00	5.36	0.00	0.00	1	0	0	4	4	0
60+30	6030.00	5.00	7.62	0.00	0.00	1	0	0	5	4	1
60+35	6035.00	5.00	15.22	0.00	1.40	2	0	0	7	4	3
60+40	6040.00	5.00	14.90	0.00	2.50	3	0	0	10	5	5
60+42.32	6042.32	2.32	12.23	0.00	2.44	1	0	0	11	5	6
60+45	6045.00	2.68	8.63	0.00	1.73	1	0	0	12	5	7
60+49.34	6049.34	4.34	4.05	0.00	0.17	1	0	0	13	5	8
				POET STREET TOTAL		**13**	**0**	**4**			

WATERLOO STREET

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill	Cumulative Vol (CY) Mass Ordinate
									1.00	1.33	
						Note 1	Note 2	Note 3	Note 1		Note 8
30+17.1	3017.10	0.00	0.00	0.00	0.00	0	0	0	0	0	0
30+19.02	3019.02	1.92	5.48	0.00	0.00	0	0	0	0	0	0
30+20	3020.00	0.98	11.49	0.00	0.00	0	0	0	1	0	1
30+25	3025.00	5.00	43.49	0.00	0.00	5	0	0	6	0	6
30+30	3030.00	5.00	76.96	0.00	0.00	11	0	0	17	0	17
30+35	3035.00	5.00	111.25	0.00	0.00	17	0	0	34	0	34
30+40	3040.00	5.00	105.04	0.00	3.82	20	0	0	54	0	54
30+45	3045.00	5.00	97.36	0.00	14.56	19	0	2	73	3	70
30+50	3050.00	5.00	93.96	0.00	24.73	18	0	4	91	8	83
30+52.18	3052.18	2.18	93.41	0.00	25.85	8	0	2	98	10	88
30+53.43	3053.43	1.24	93.11	0.00	14.53	4	0	1	103	12	91
30+55	3055.00	1.57	92.79	0.00	26.57	5	0	1	108	13	95
30+60	3060.00	5.00	92.07	0.00	27.93	17	0	5	125	20	105
30+65	3065.00	5.00	91.42	0.00	26.35	17	0	5	142	27	116
30+70	3070.00	5.00	88.92	0.00	24.77	17	0	5	159	33	126
30+75	3075.00	5.00	82.68	0.00	25.66	16	0	5	175	39	136
30+80	3080.00	5.00	83.30	0.00	25.30	15	0	5	190	45	145
30+81.16	3081.16	1.16	77.61	0.00	0.00	3	0	1	193	46	147
				WATERLOO STREET TOTAL		**193**	**0**	**35**			



9

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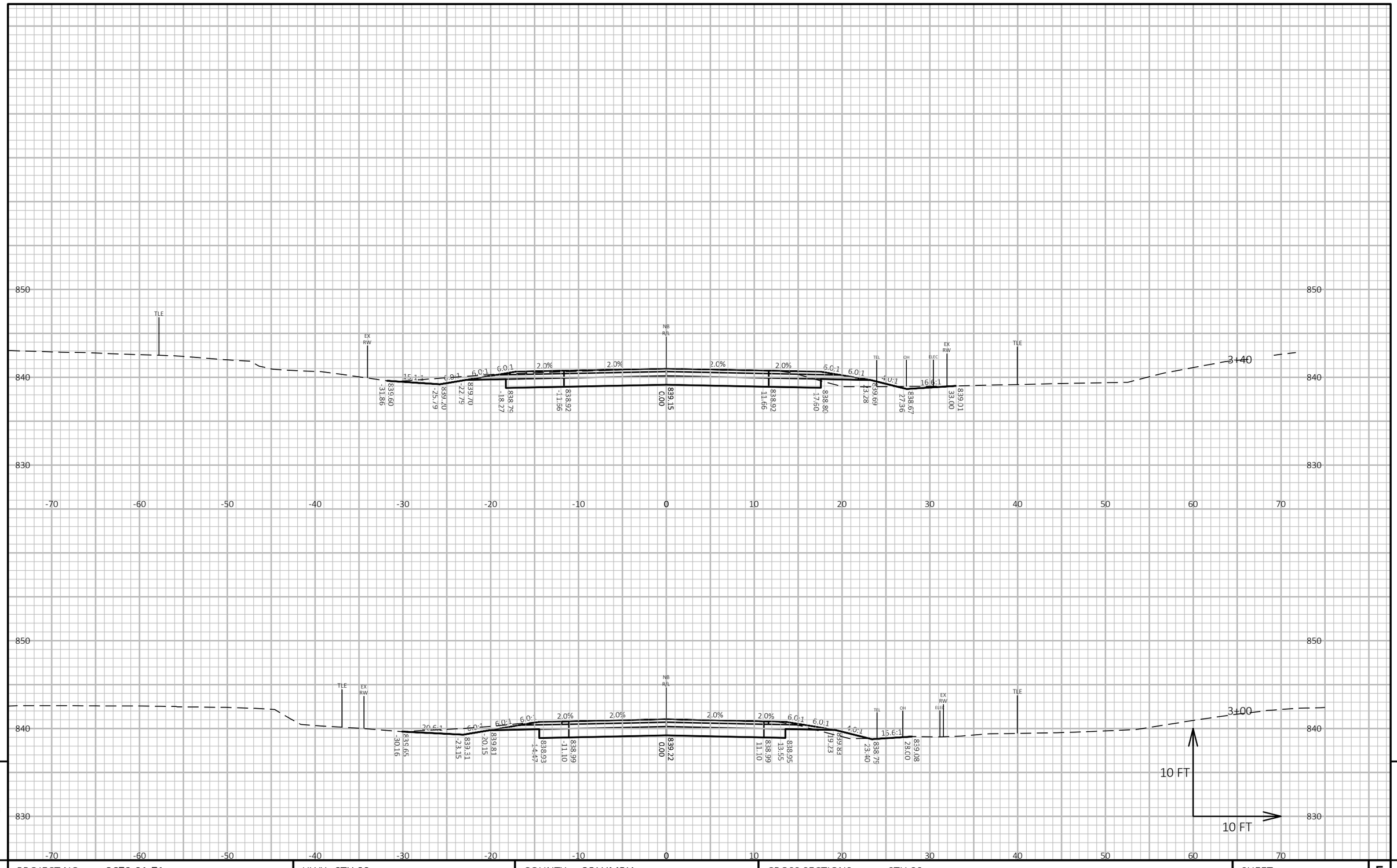
PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_210

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LAYOUT NAME - 090201_xs(45)

PLOT DATE : 8/26/2019 12:40 PM PLOT BY : PORTER, STEVEN J PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_211

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
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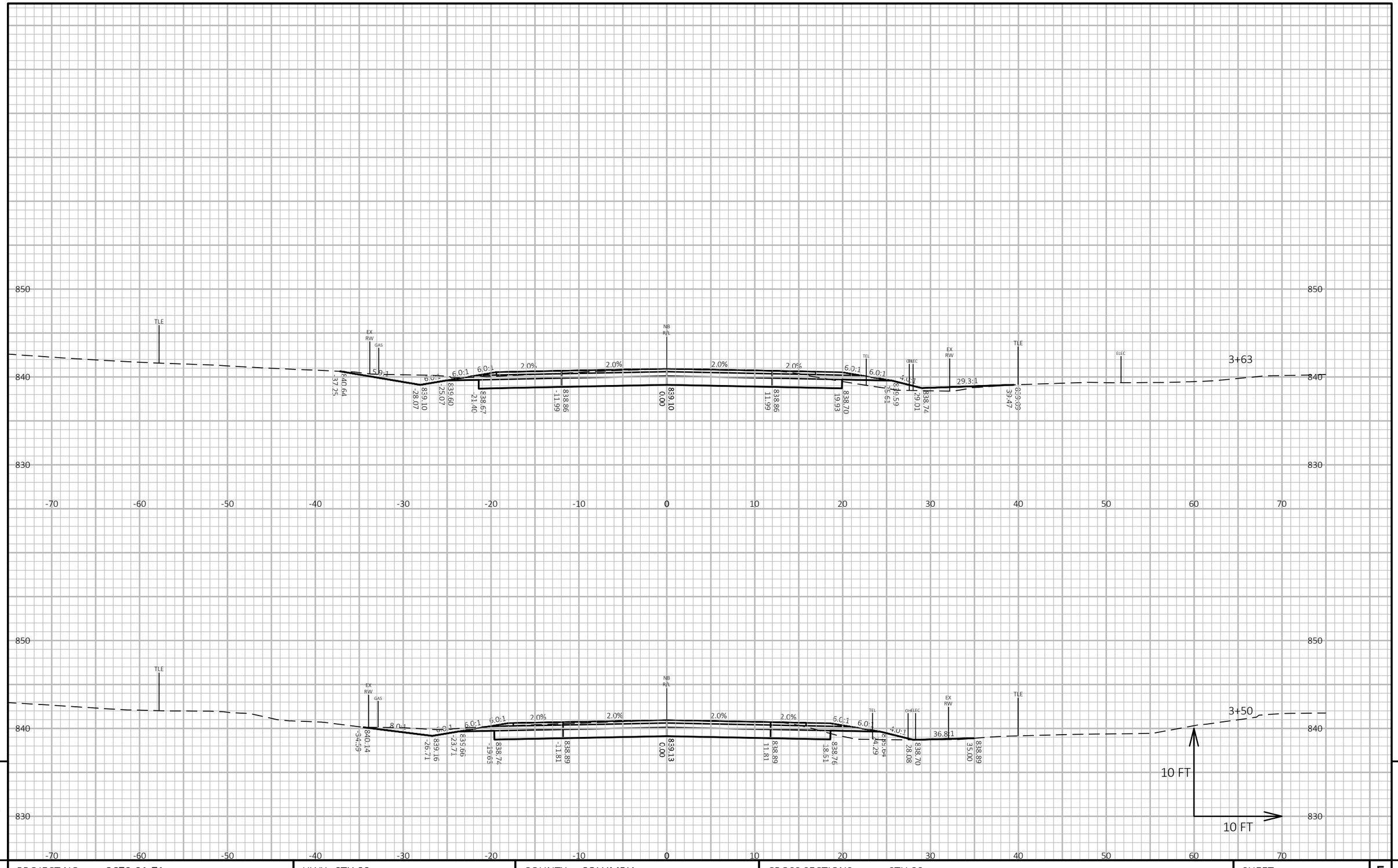
PLOT DATE : 8/26/2019 12:41 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_212

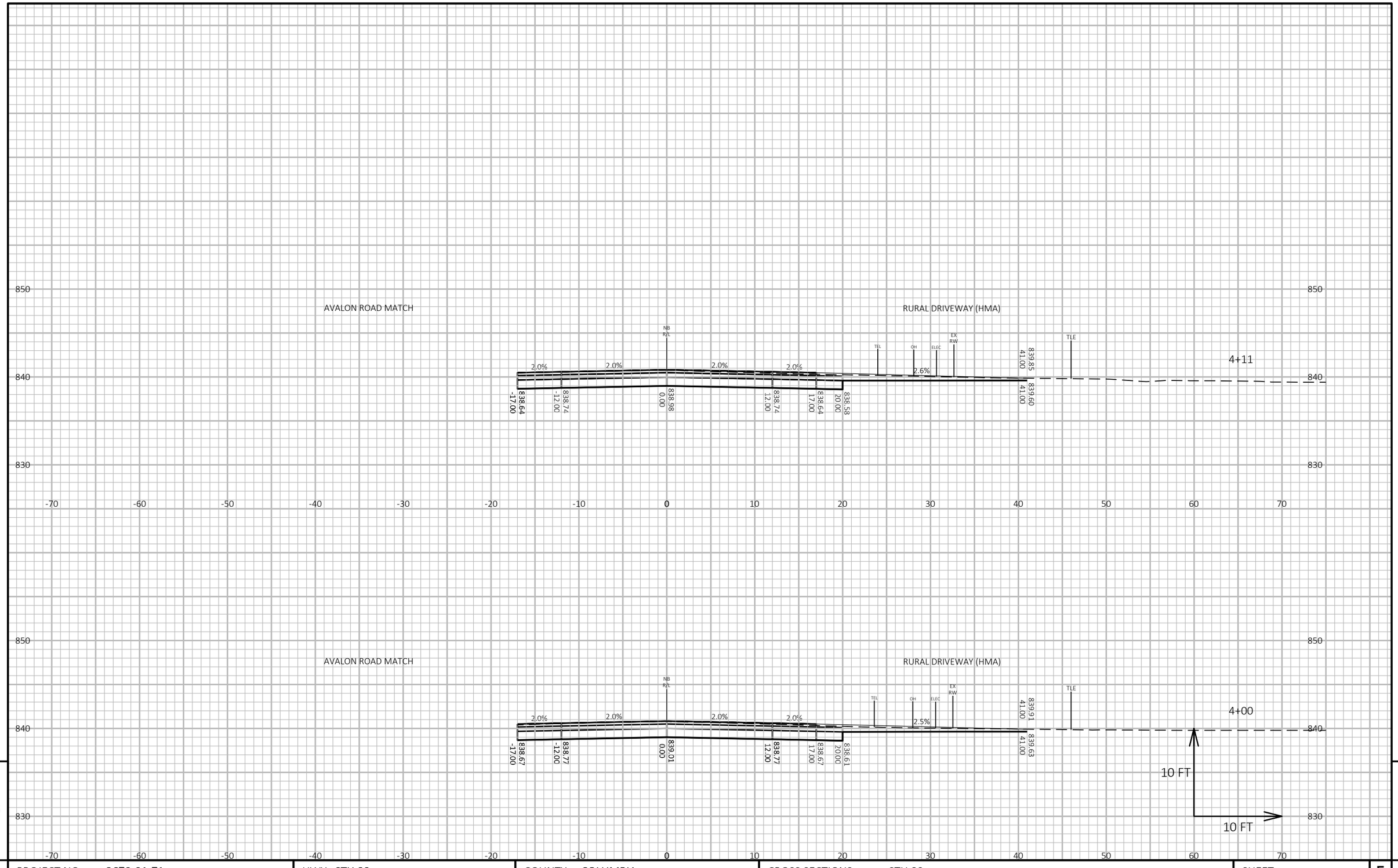
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LAYOUT NAME - 090201_xs(47)

PLOT DATE : 8/26/2019 12:41 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET

PRE_213

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LAYOUT NAME - 090201_xs(48)

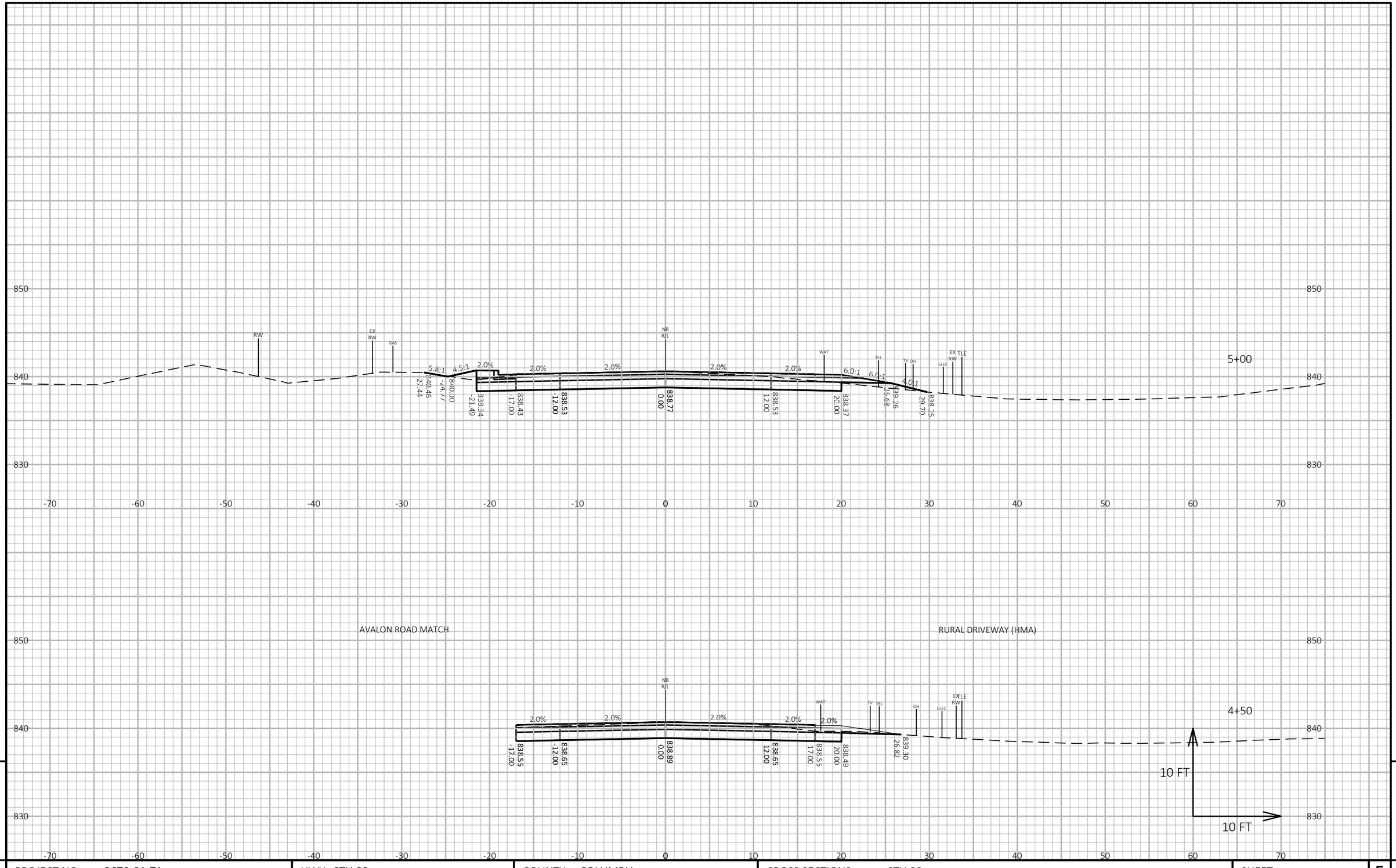
PLOT DATE : 8/26/2019 12:41 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(49)

PLOT DATE : 8/26/2019 12:41 PM

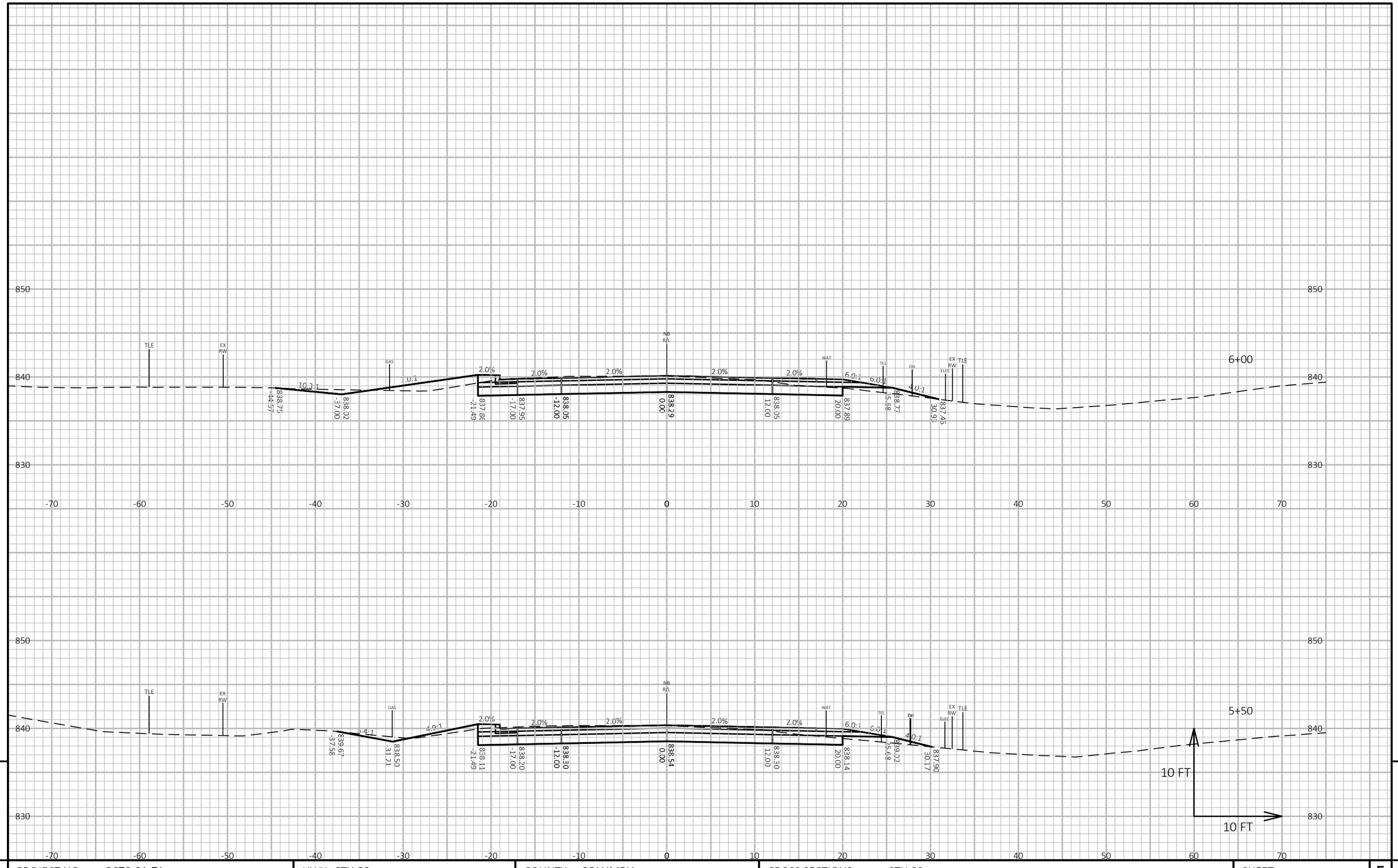
PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_214

WISDOT/CADDS SHEET 49



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(50)

PLOT DATE : 8/26/2019 12:41 PM

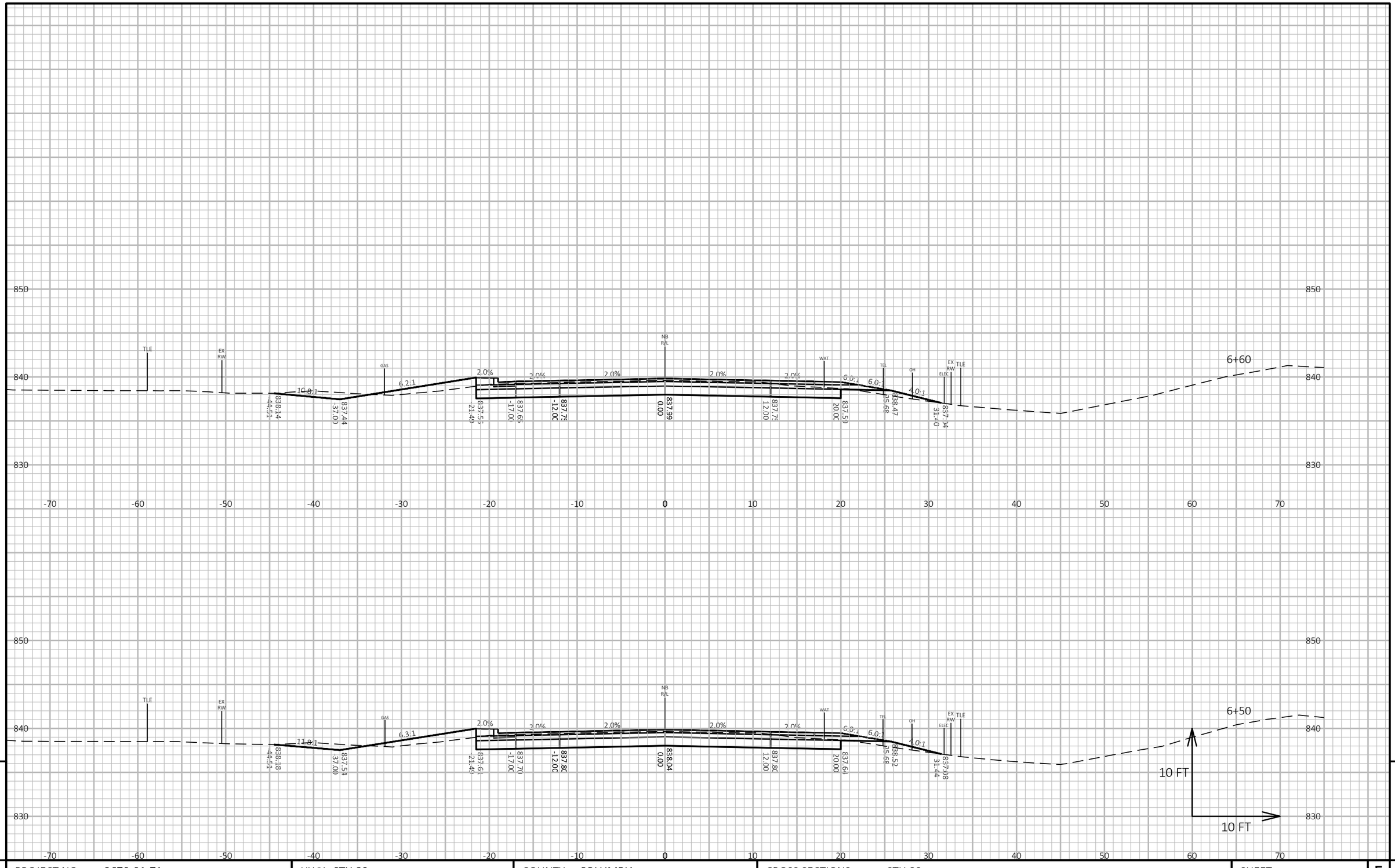
PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_215

WISDOT/CADDS SHEET 49



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PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_216

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(51)

PLOT DATE : 8/26/2019 12:42 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

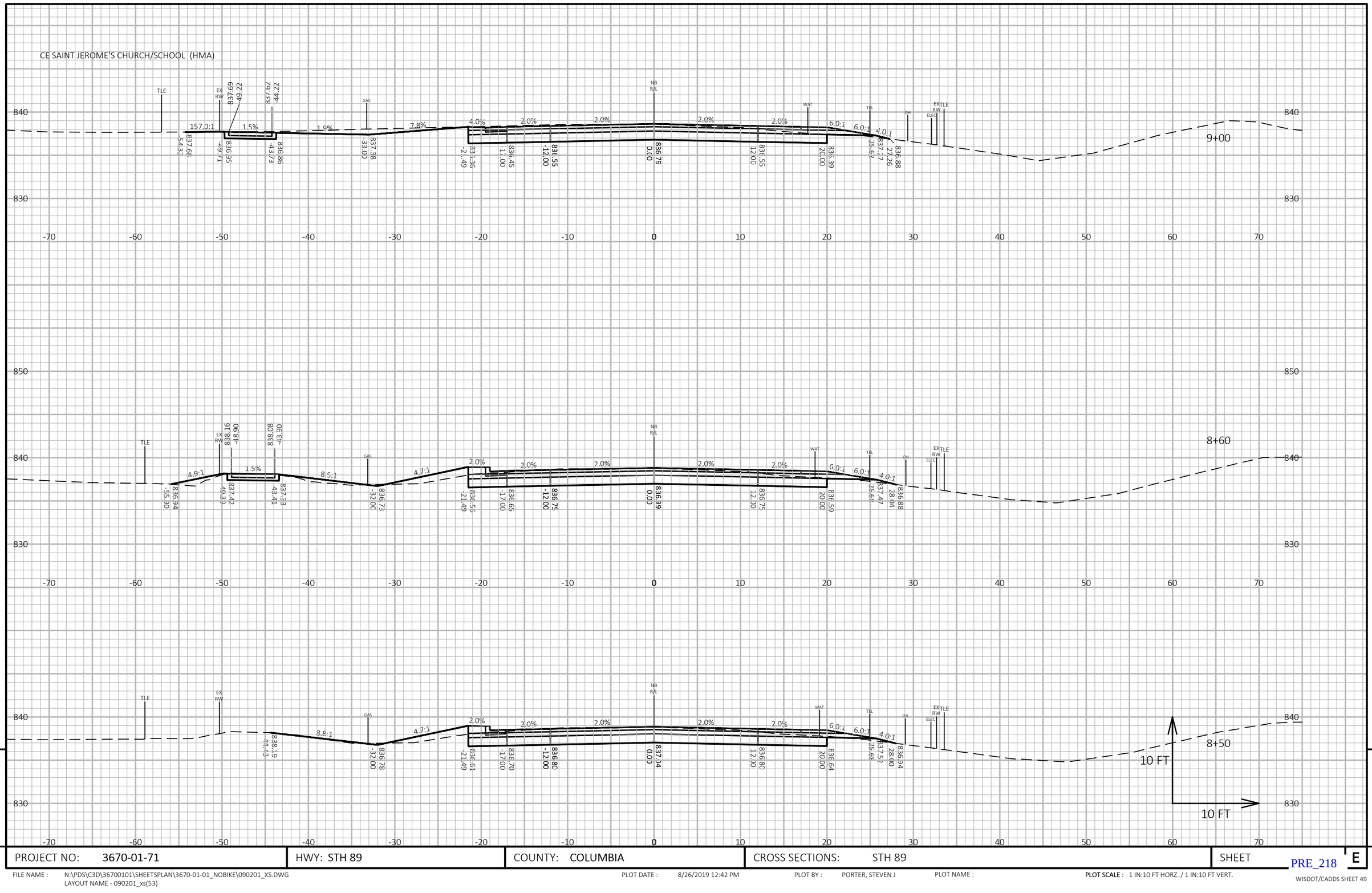
PRE_217

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LAYOUT NAME - 090201_xs(52)

PLOT DATE : 8/26/2019 12:42 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CE SAINT JEROME'S CHURCH/SCHOOL (HMA)



9

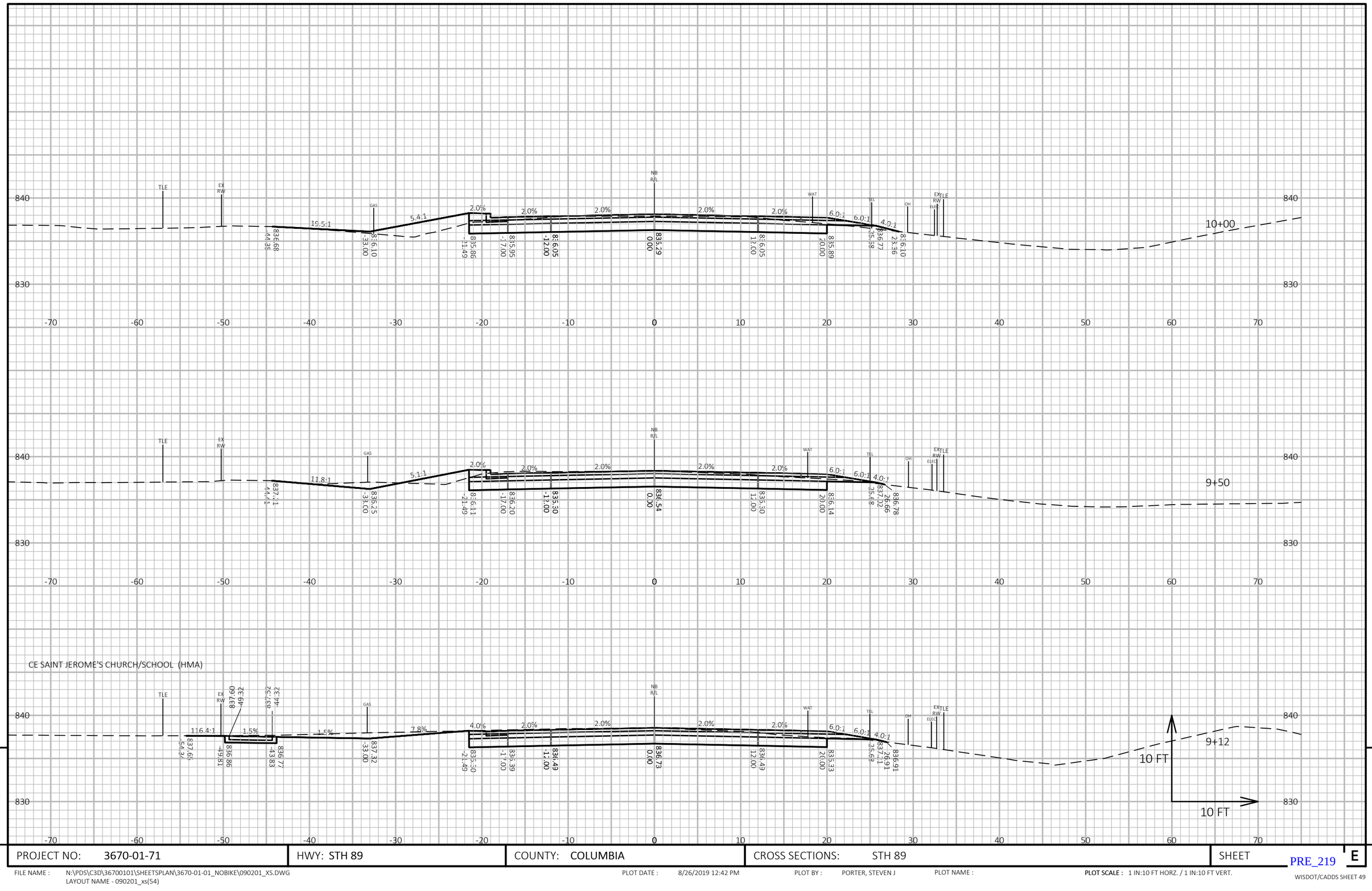
PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_218

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(53)

PLOT DATE : 8/26/2019 12:42 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_219

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(54)

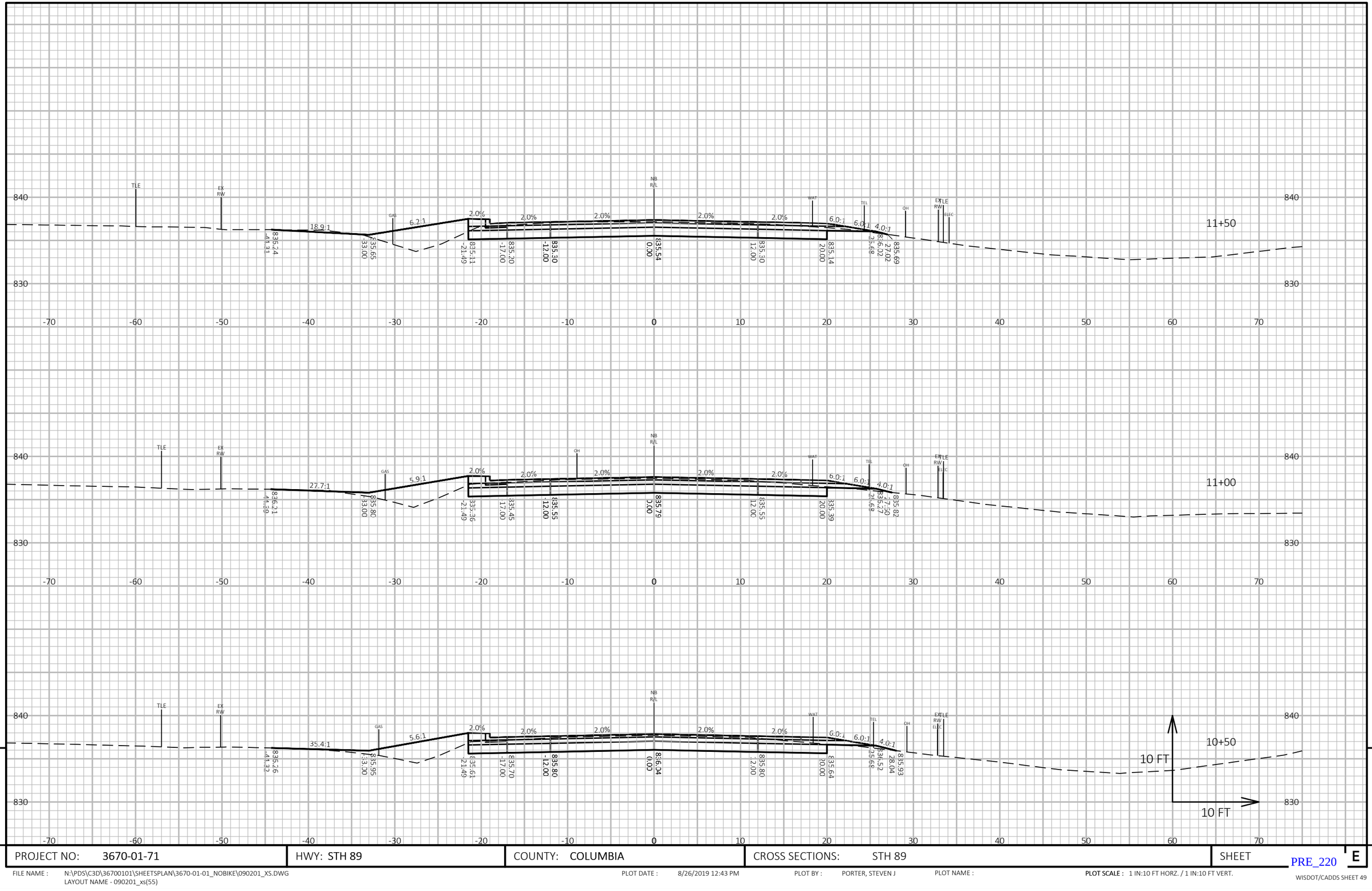
PLOT DATE : 8/26/2019 12:42 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(55)

PLOT DATE : 8/26/2019 12:43 PM

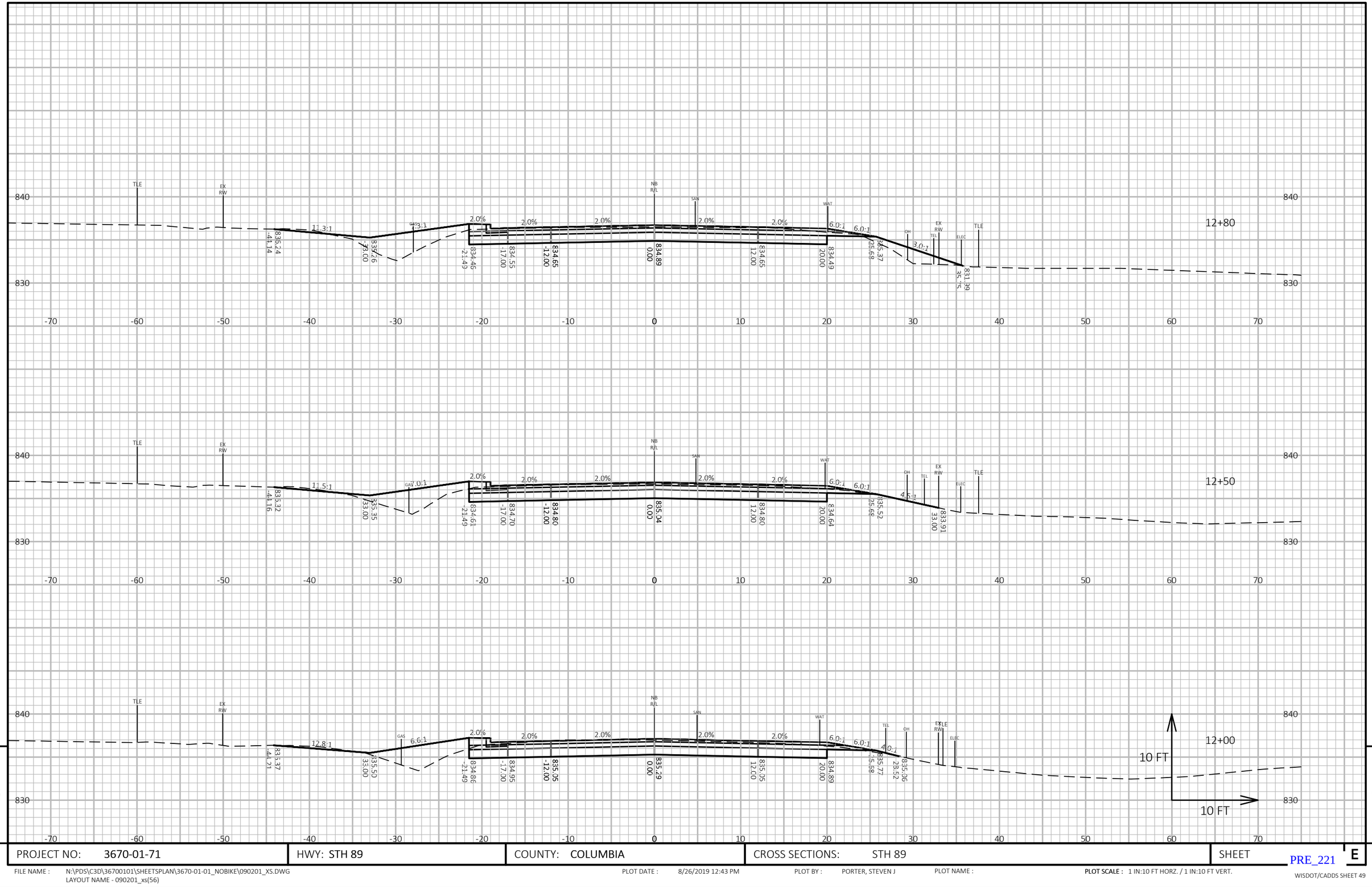
PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_220

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_221

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
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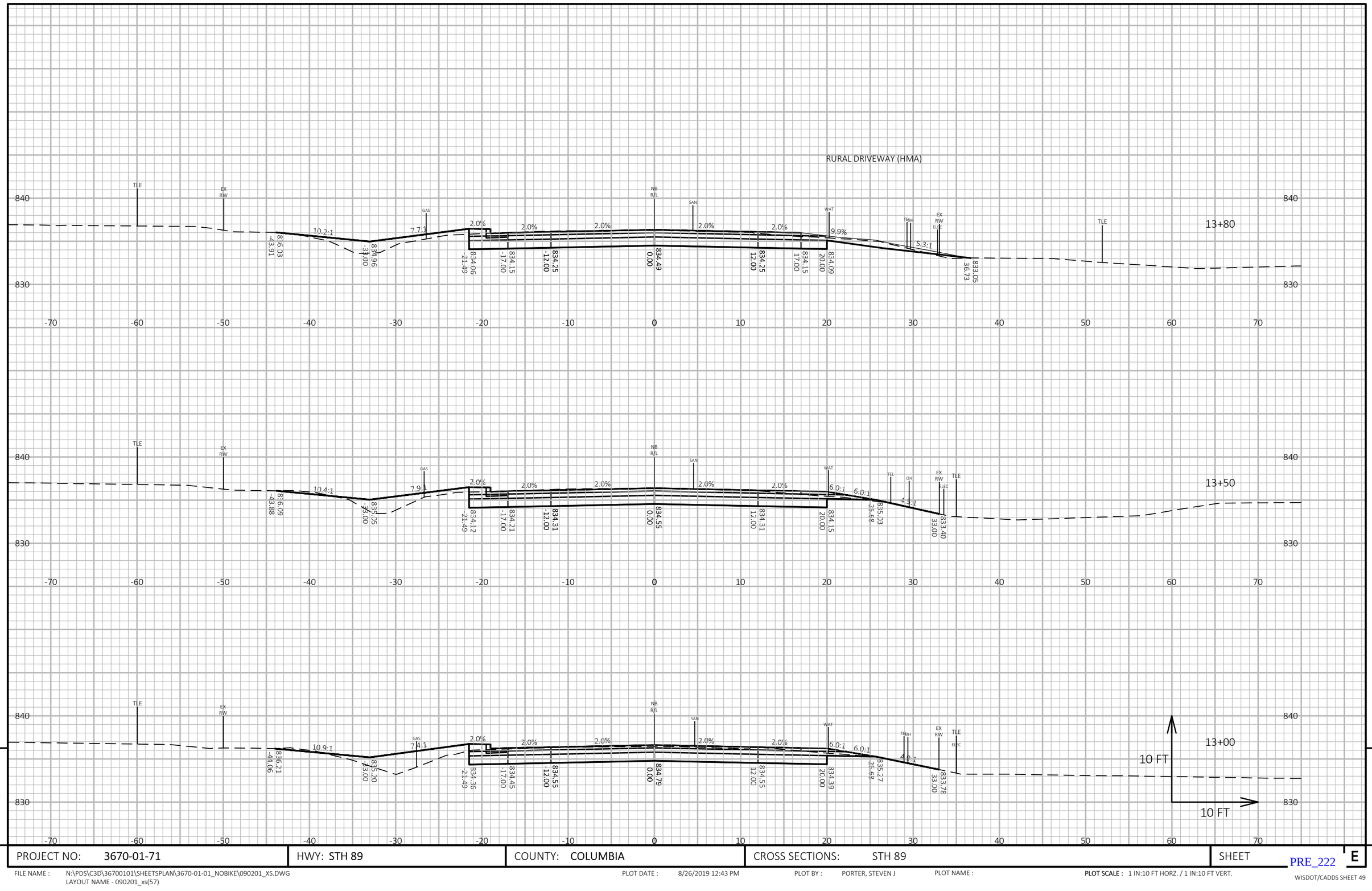
PLOT DATE : 8/26/2019 12:43 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_222

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(57)

PLOT DATE : 8/26/2019 12:43 PM

PLOT BY : PORTER, STEVEN J

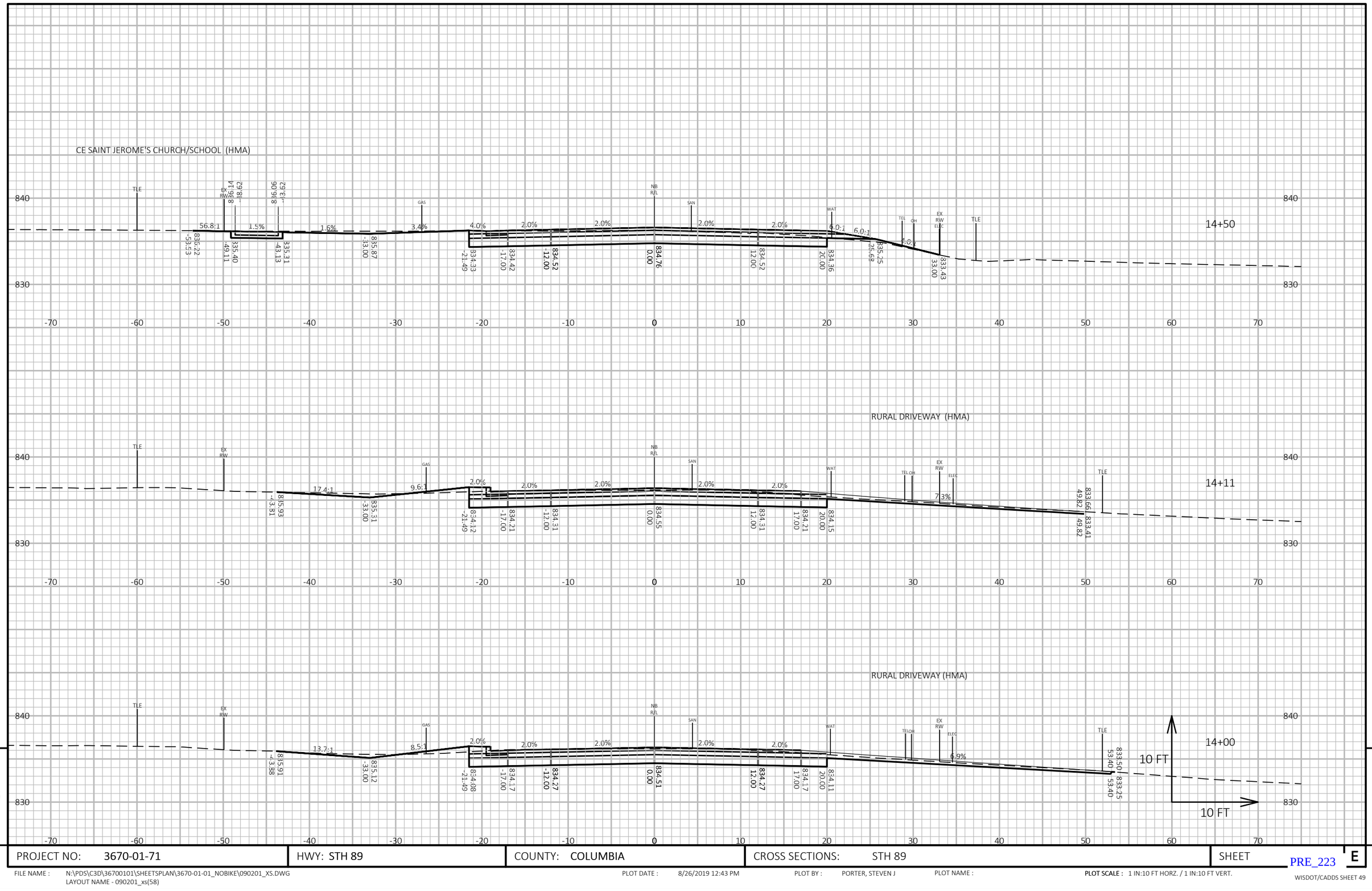
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

9



9

9

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_223

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(58)

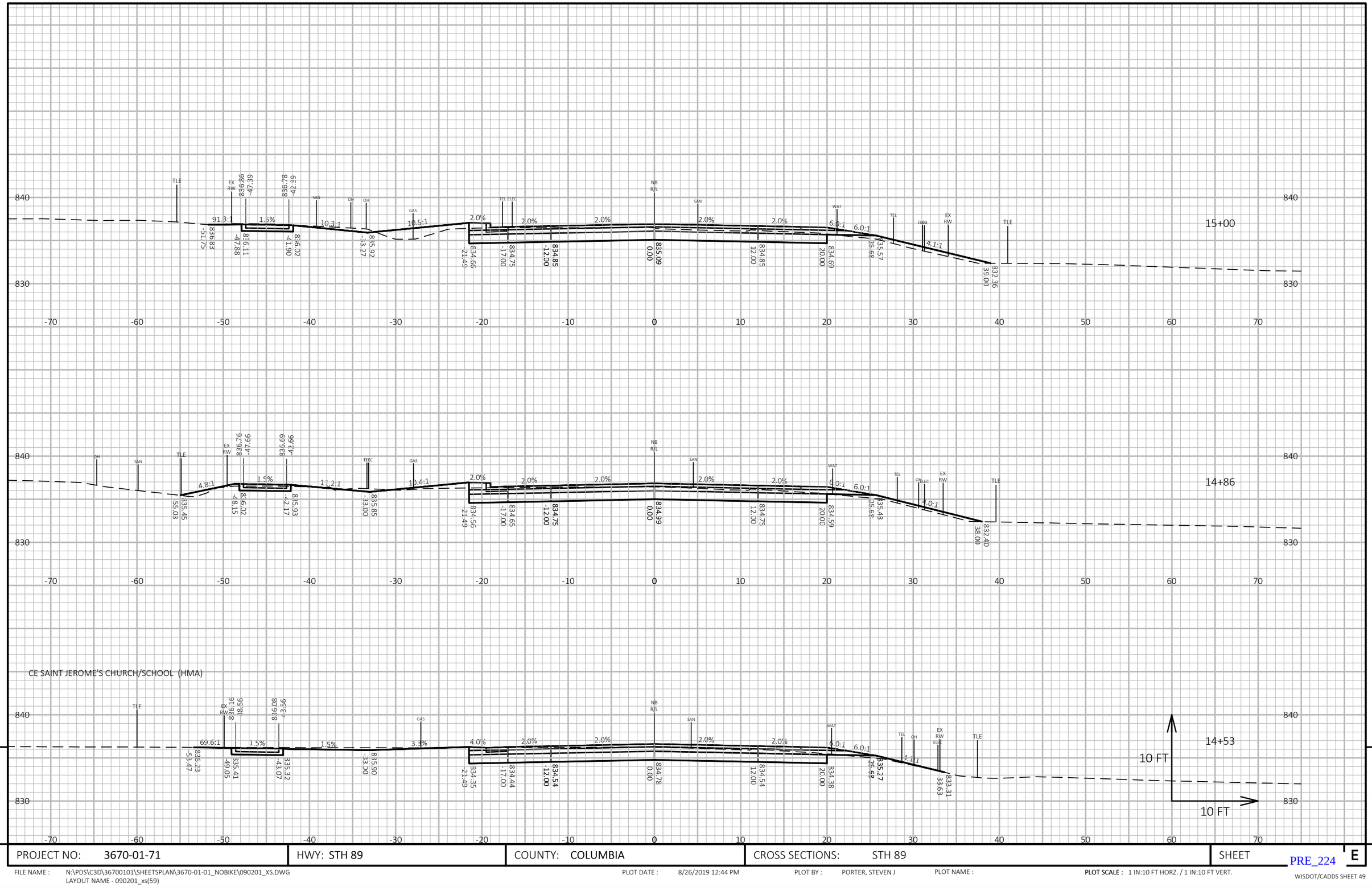
PLOT DATE : 8/26/2019 12:43 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(59)

PLOT DATE : 8/26/2019 12:44 PM

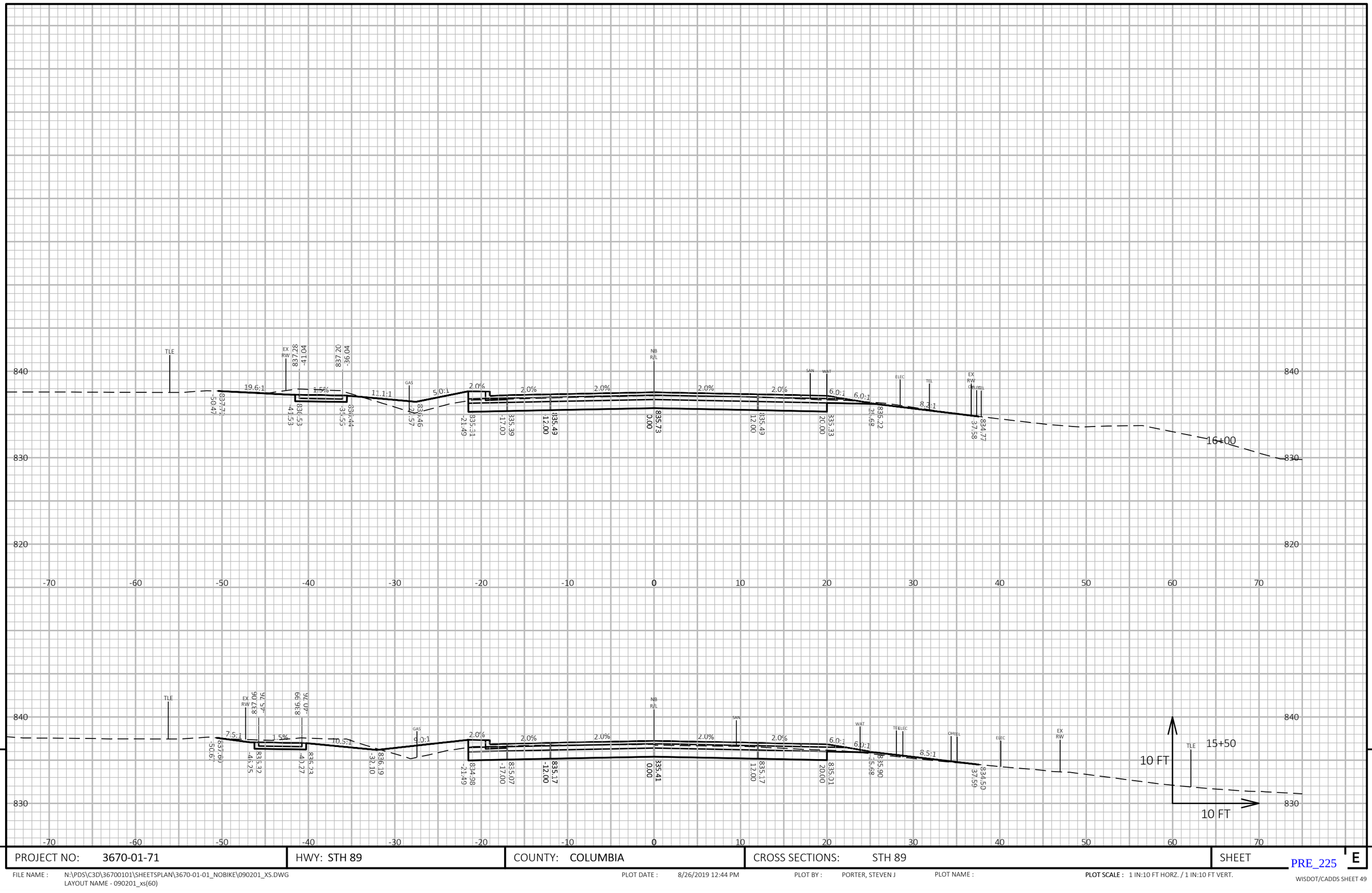
PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_224

WISDOT/CADDS SHEET 49



9

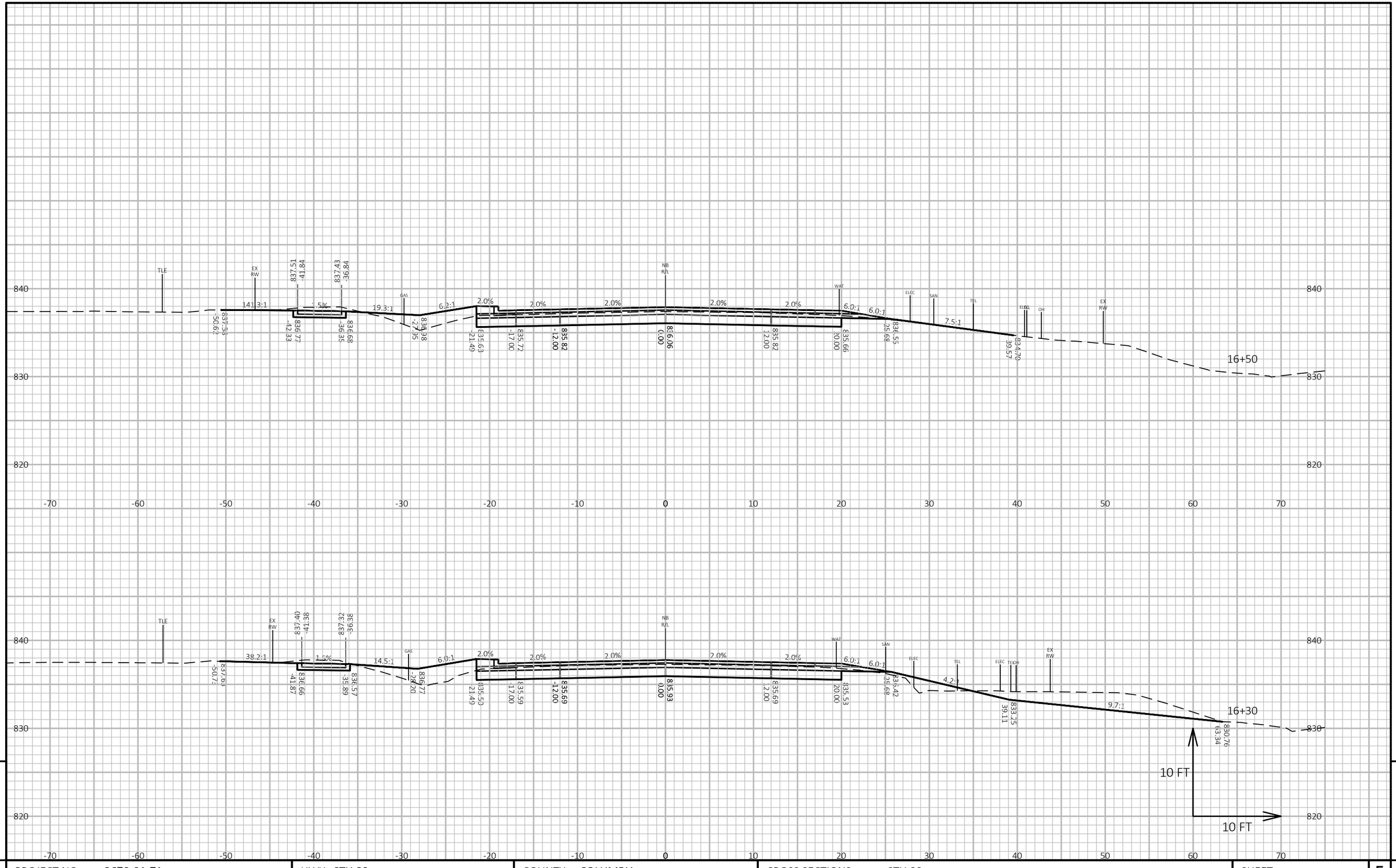
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PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(60)

PLOT DATE : 8/26/2019 12:44 PM PLOT BY : PORTER, STEVEN J PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_225



9

9

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_226

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(61)

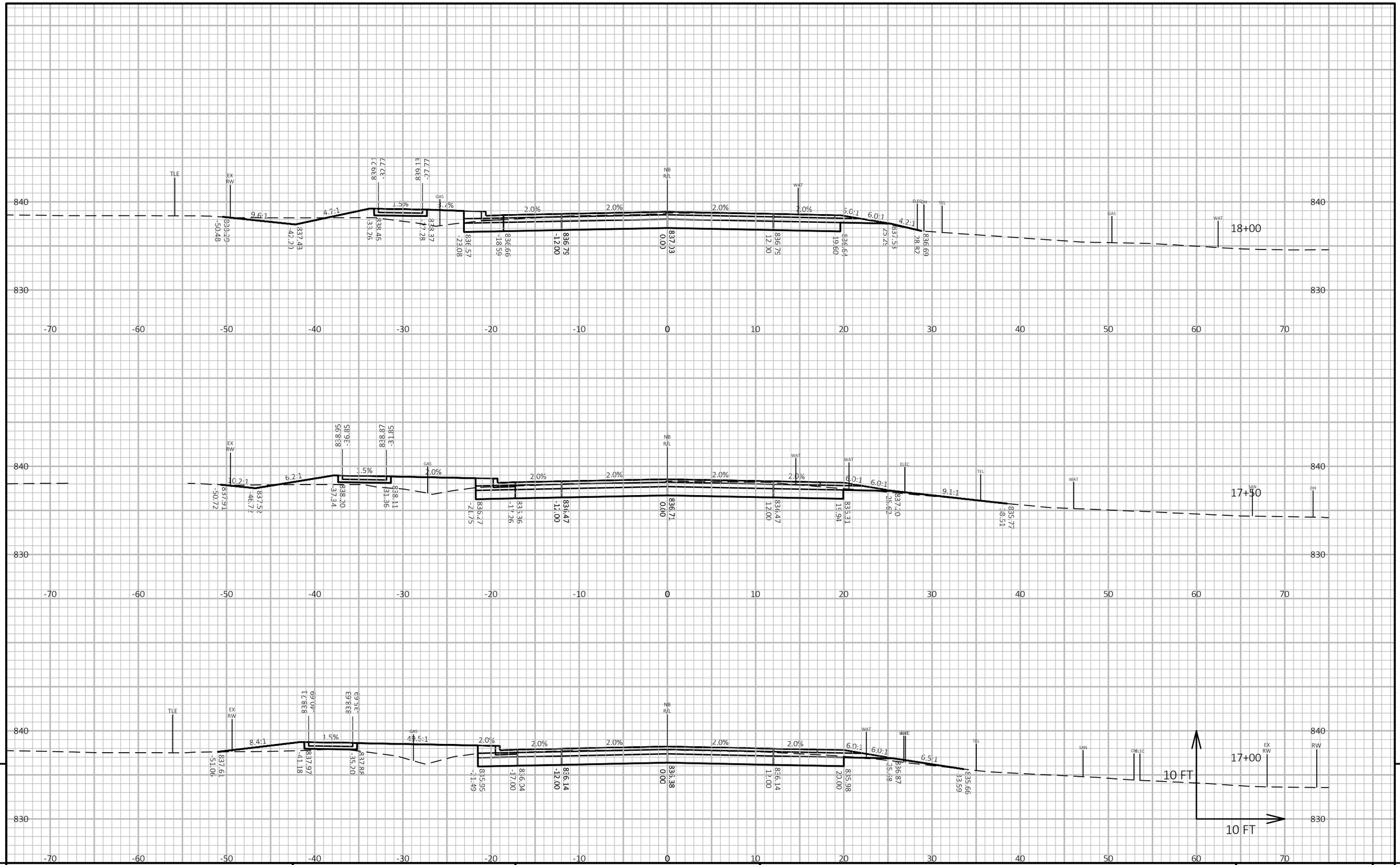
PLOT DATE : 8/26/2019 12:44 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_227

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(62)

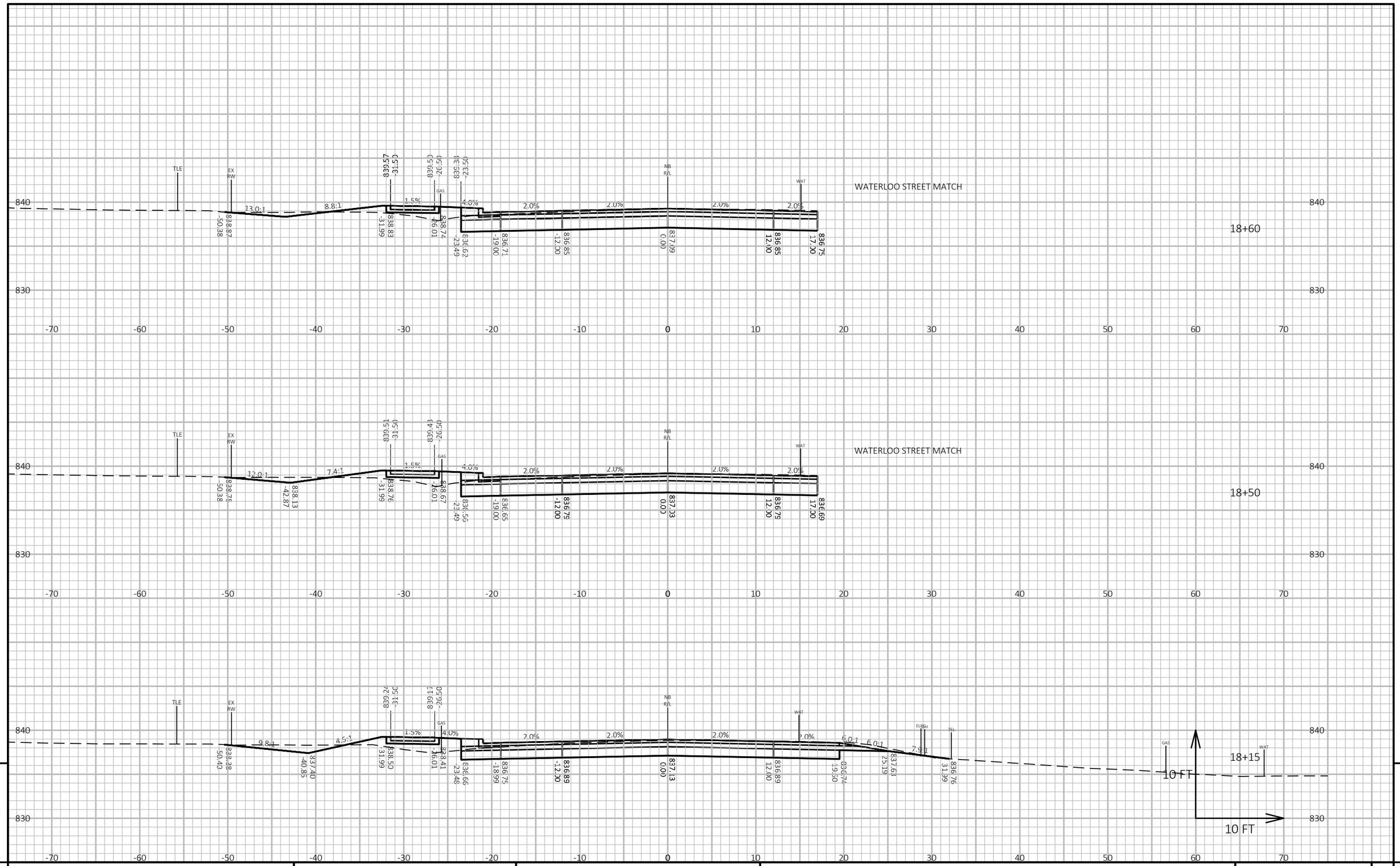
PLOT DATE : 8/26/2019 12:44 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

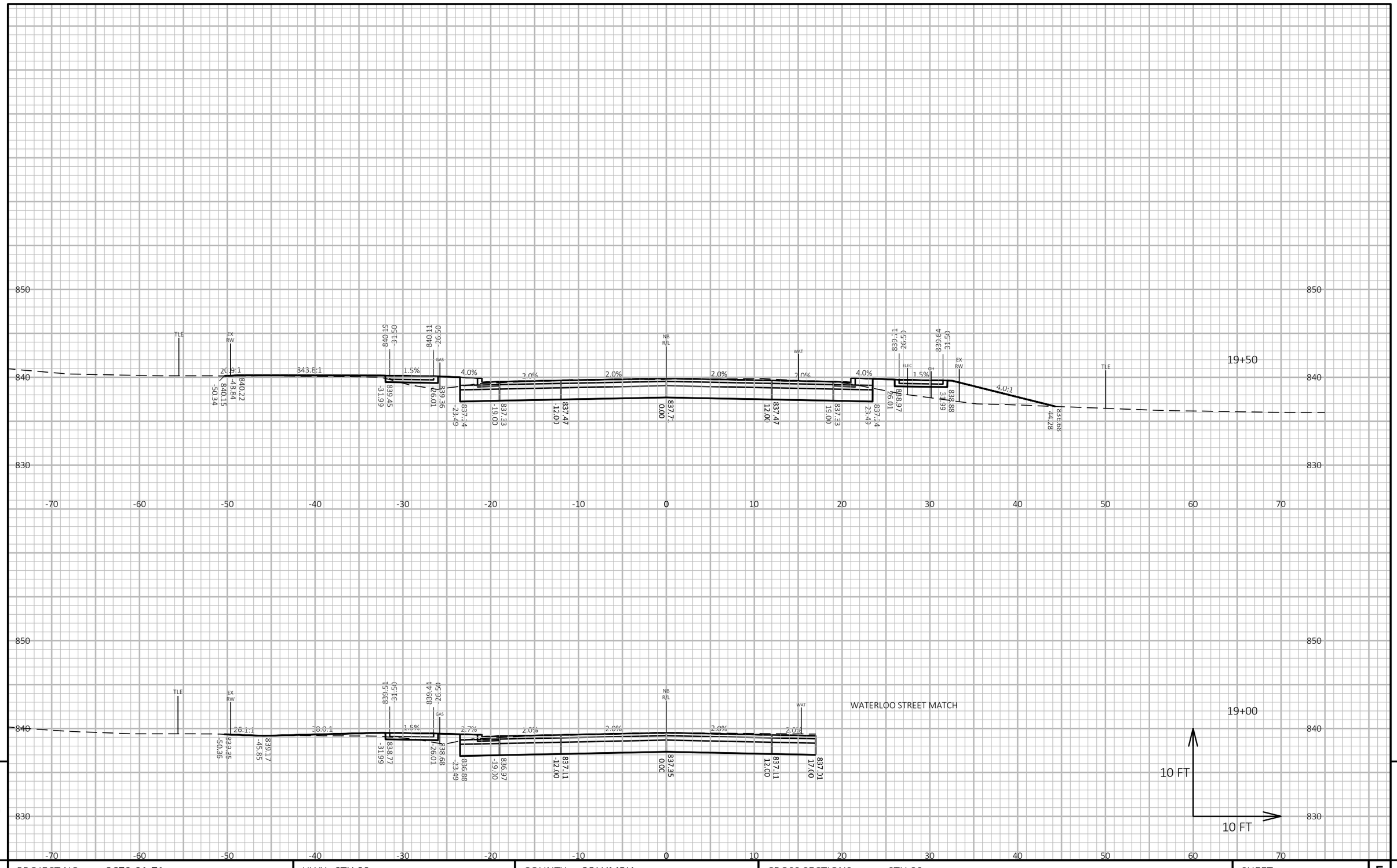
PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_228

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(63)

PLOT DATE : 8/26/2019 12:44 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

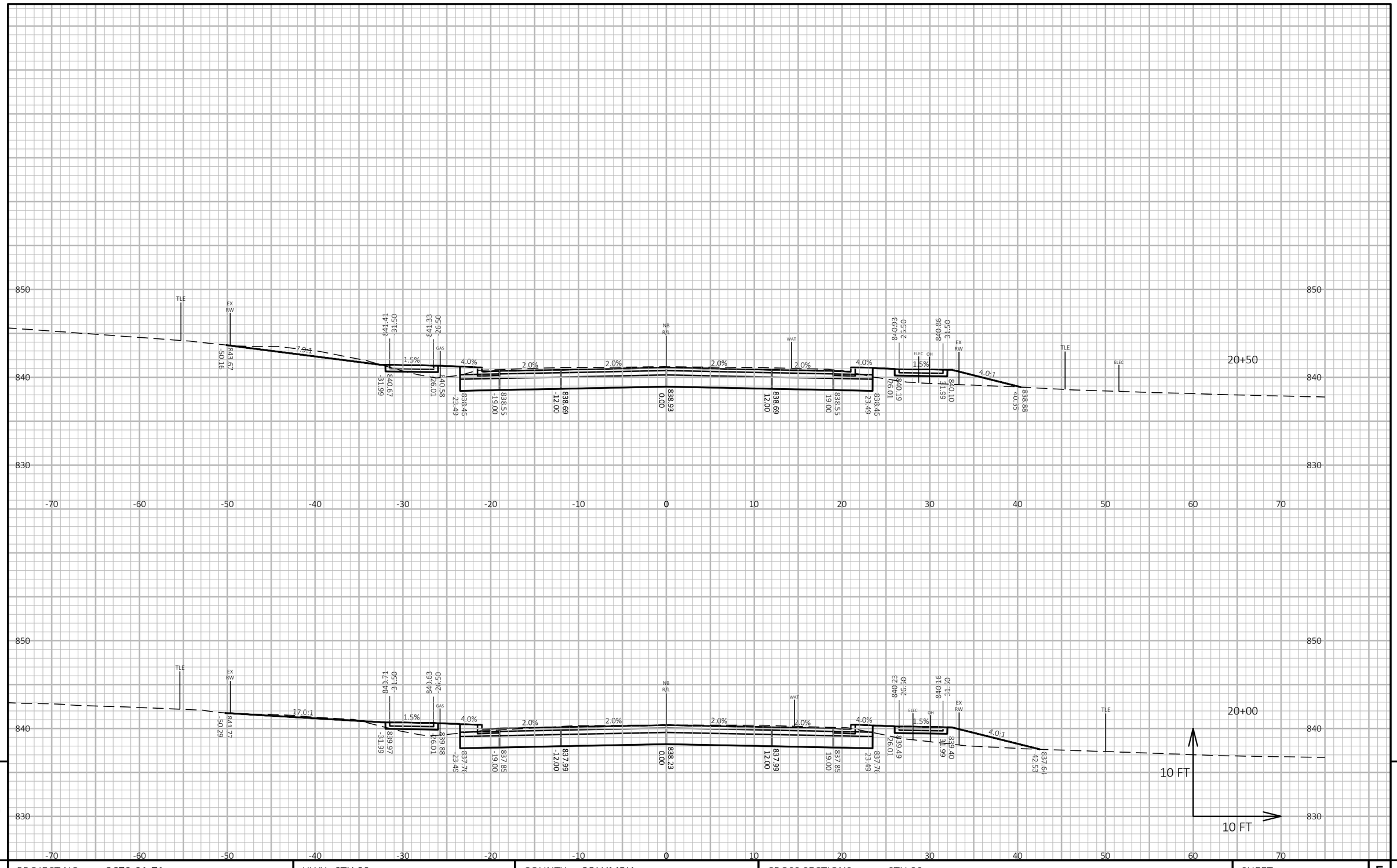
PRE_229

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(64)

PLOT DATE : 8/26/2019 12:45 PM PLOT BY : PORTER, STEVEN J PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(65)

PLOT DATE : 8/26/2019 12:45 PM

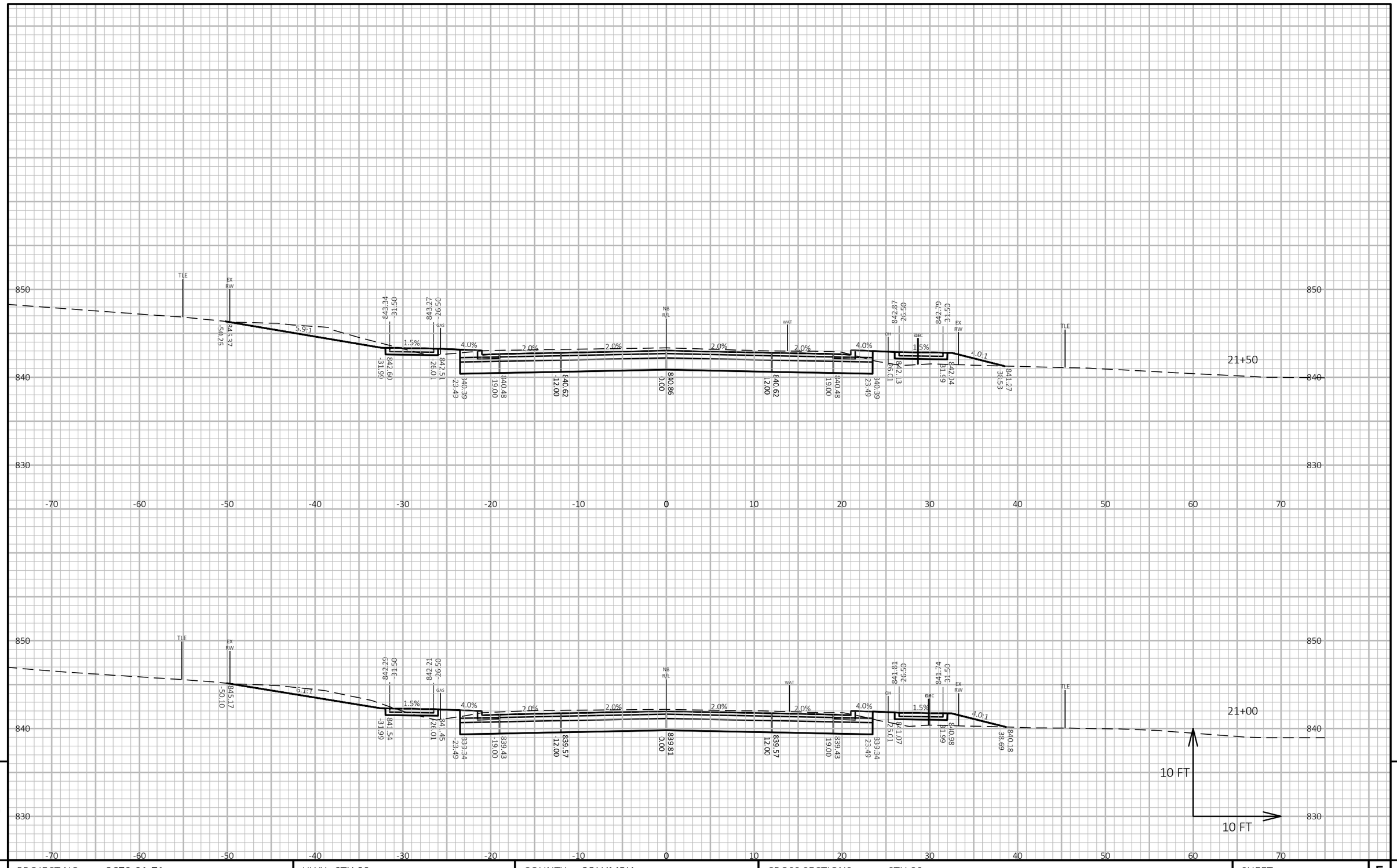
PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_230

WISDOT/CADDS SHEET 49



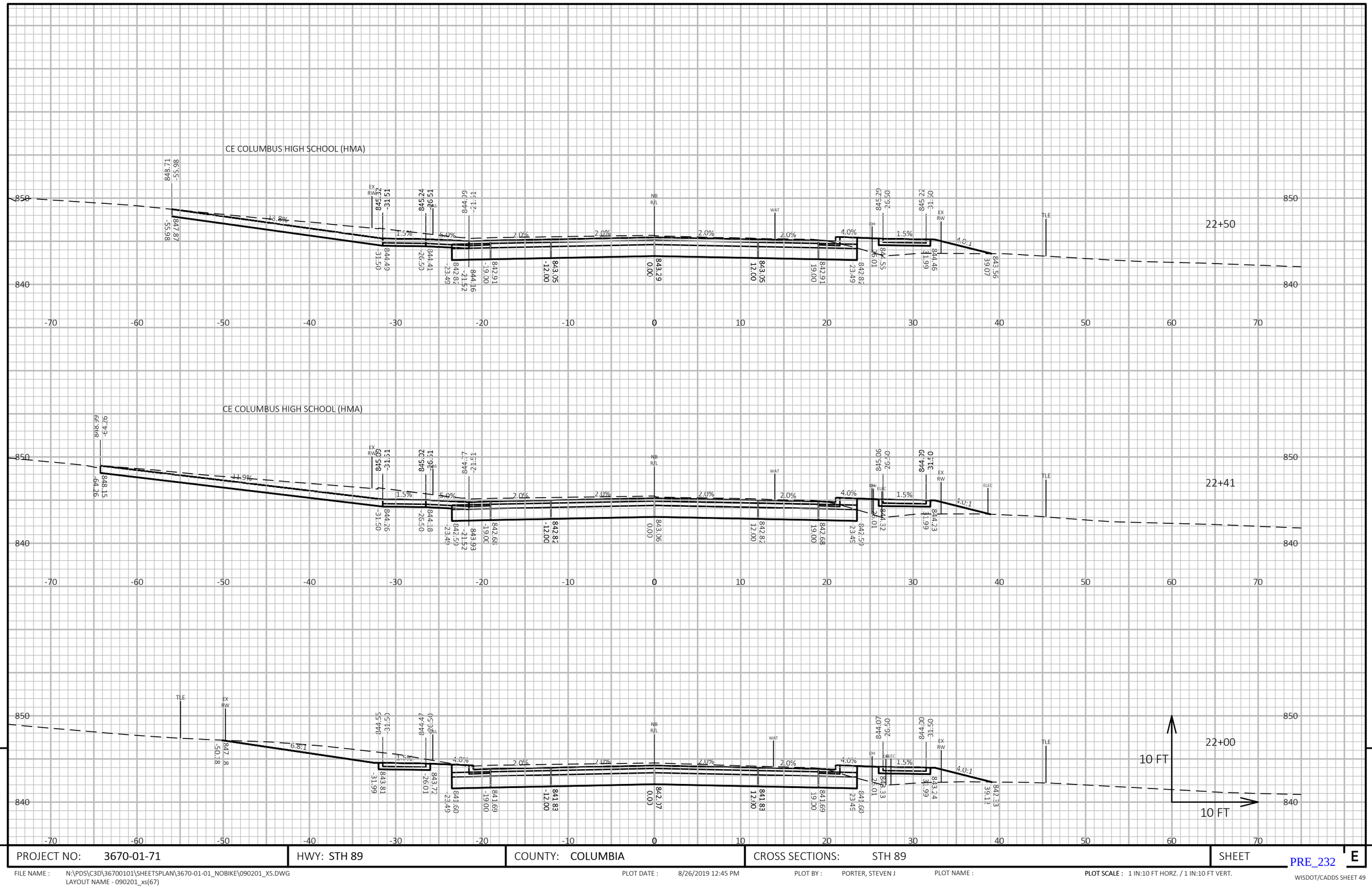
PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(66)

PLOT DATE : 8/26/2019 12:45 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_231

WISDOT/CADDS SHEET 49



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PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(67)

PLOT DATE : 8/26/2019 12:45 PM

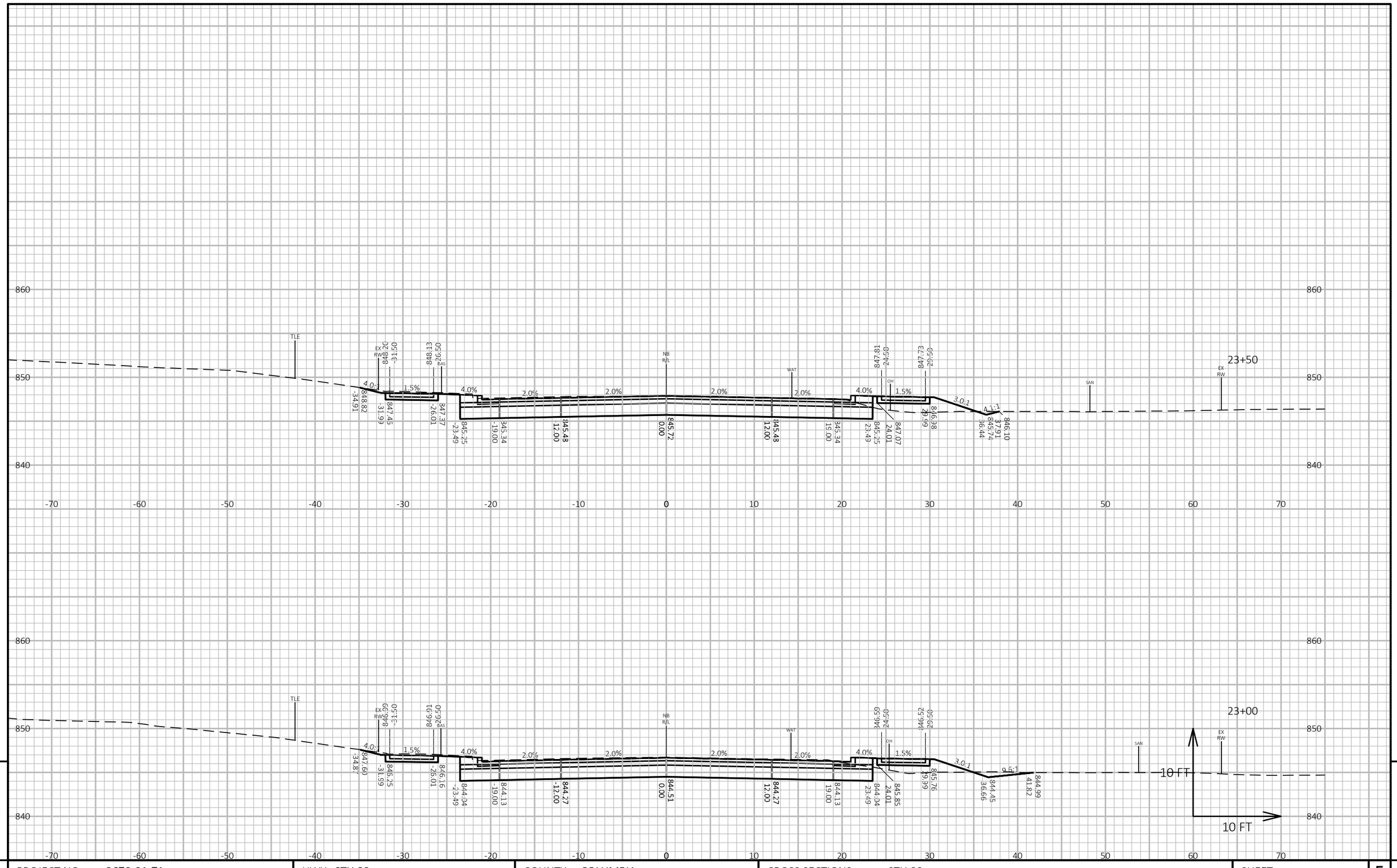
PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_232

WISDOT/CADDS SHEET 49



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(68)

PLOT DATE : 8/26/2019 12:46 PM

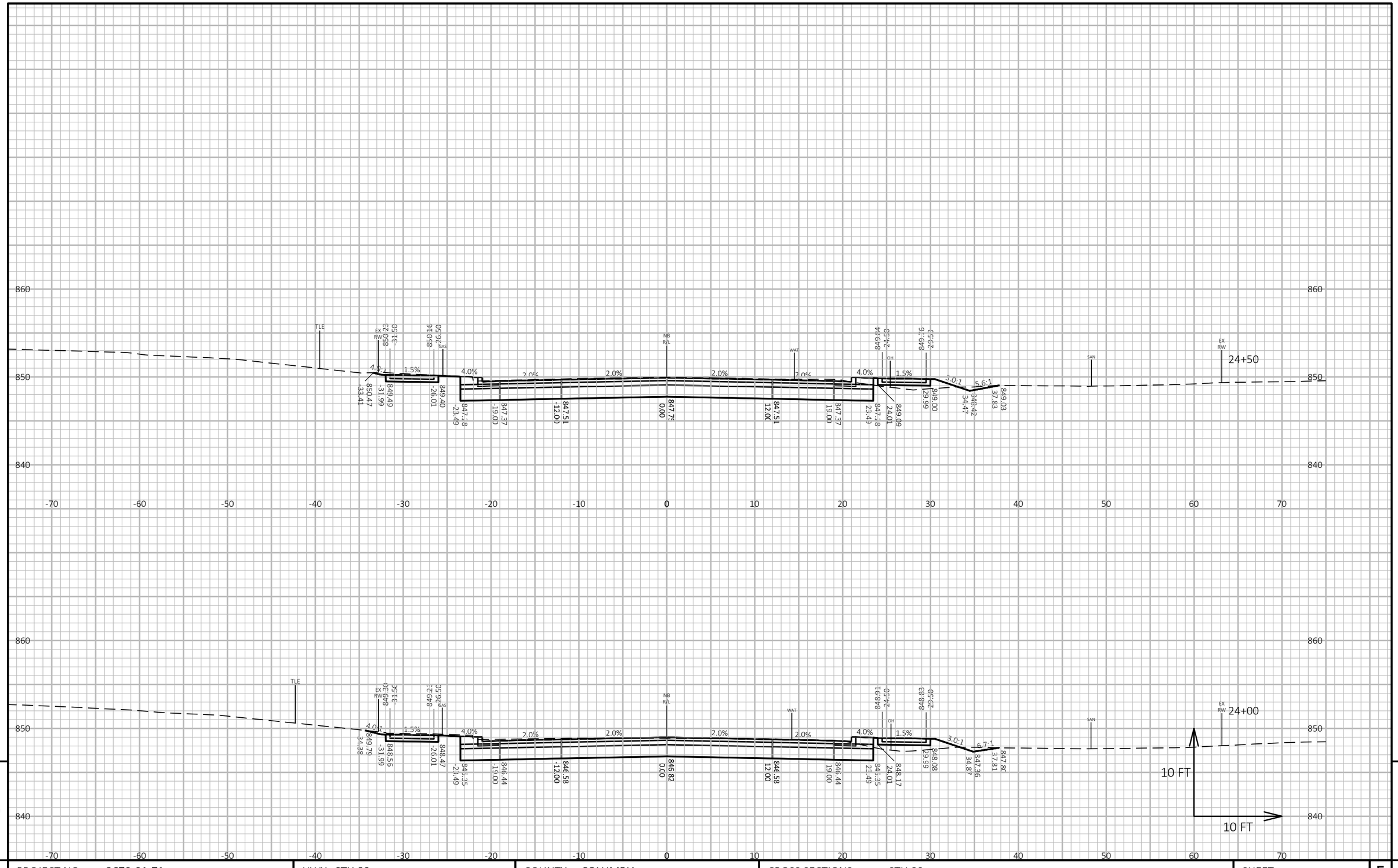
PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_233

WISDOT/CADDS SHEET 49



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_234

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(69)

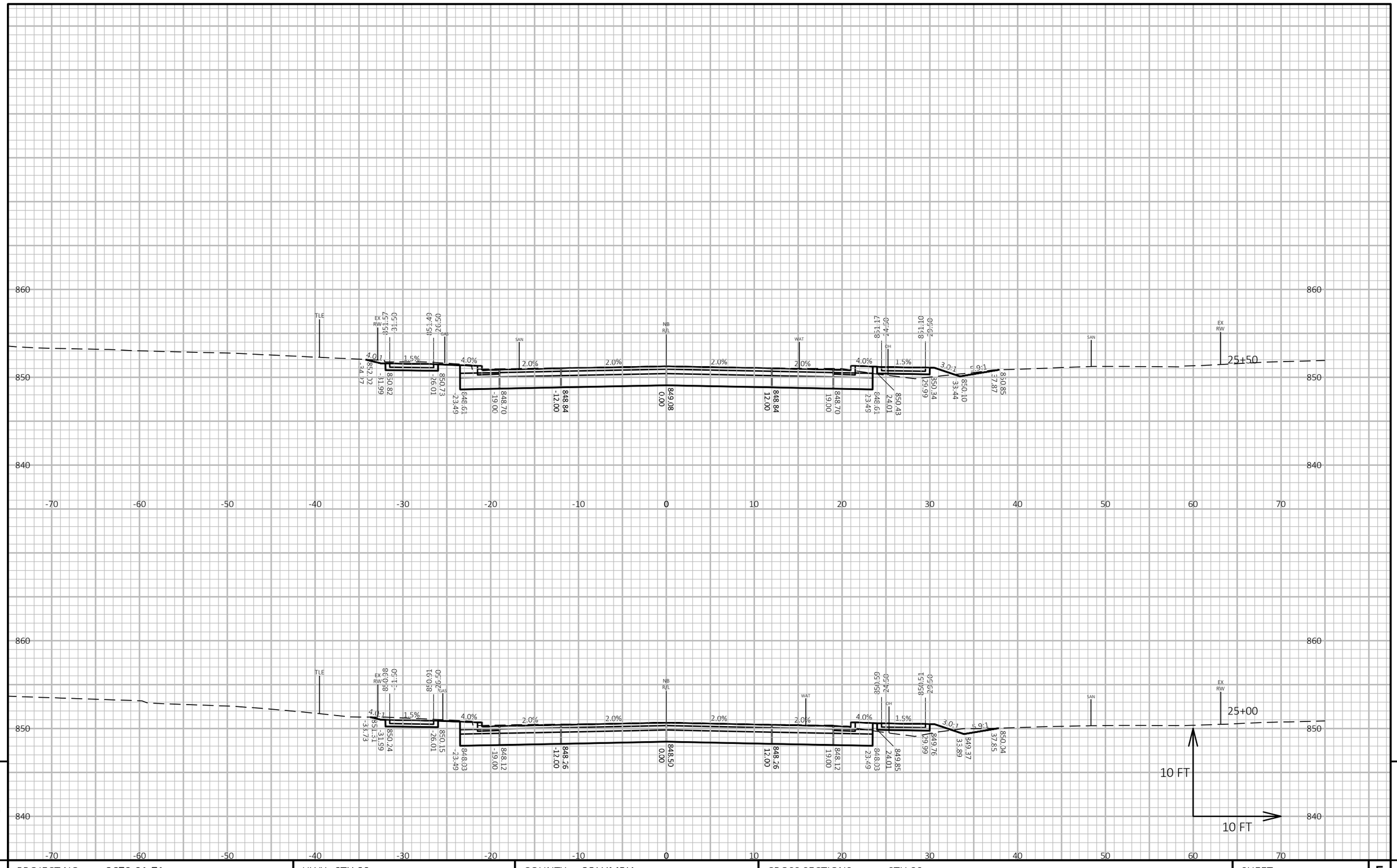
PLOT DATE : 8/26/2019 12:46 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_235

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(70)

PLOT DATE : 8/26/2019 12:46 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CE COLUMBUS HIGH SCHOOL (HMA)

FRONTAGE ROAD MATCH

26+31

TLE
EX RW
GAS
NB RL
SAN
WAT
10.2%
1.5%
5.0%
2.0%
2.0%
2.0%
2.0%
-36.50
-31.50
-26.50
-23.49
-21.52
-19.00
-12.00
0.00
12.00
19.00

26+00

TLE
EX RW
GAS
NB RL
SAN
WAT
OH
SAN
EX RW
4.0%
1.5%
3.0:1
6.5:1
10 FT
10 FT

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(71)

PLOT DATE : 8/26/2019 12:46 PM

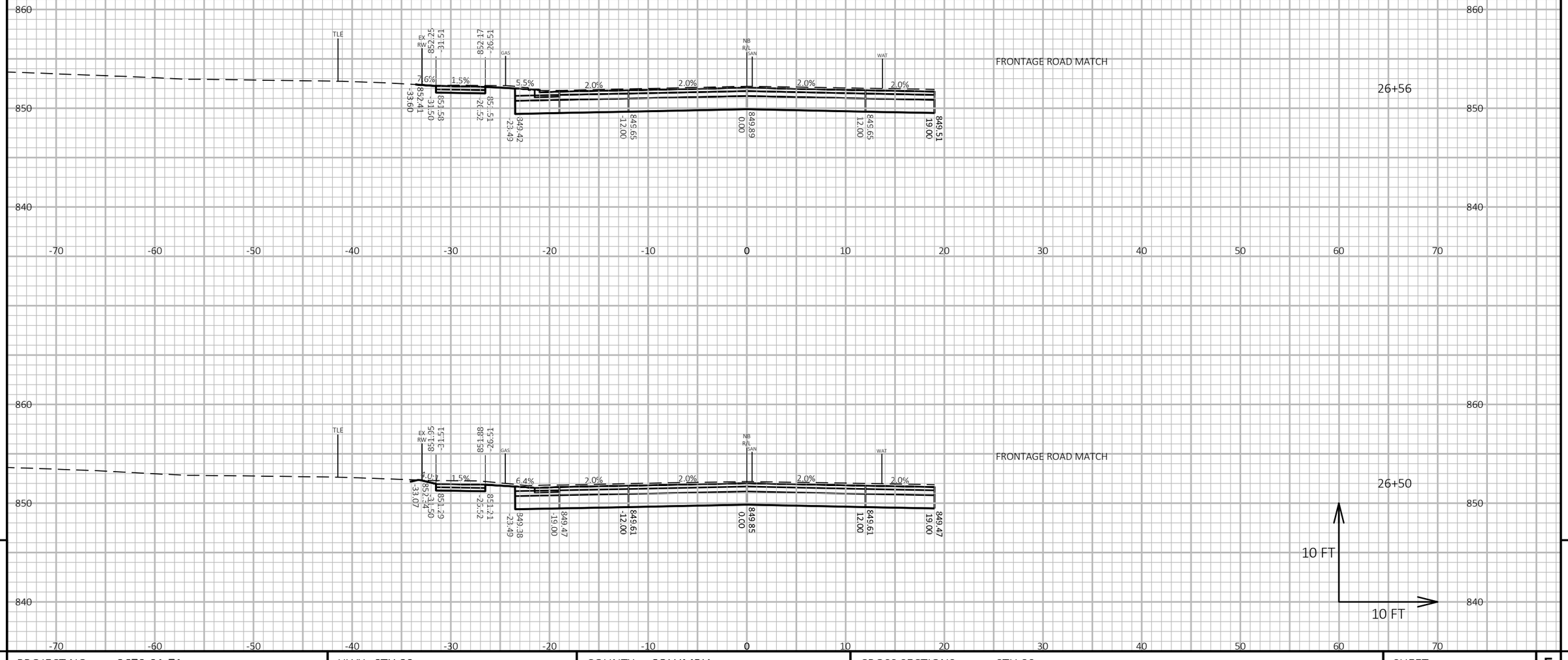
PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_236

WISDOT/CADDS SHEET 49



9

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PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_237

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(72)

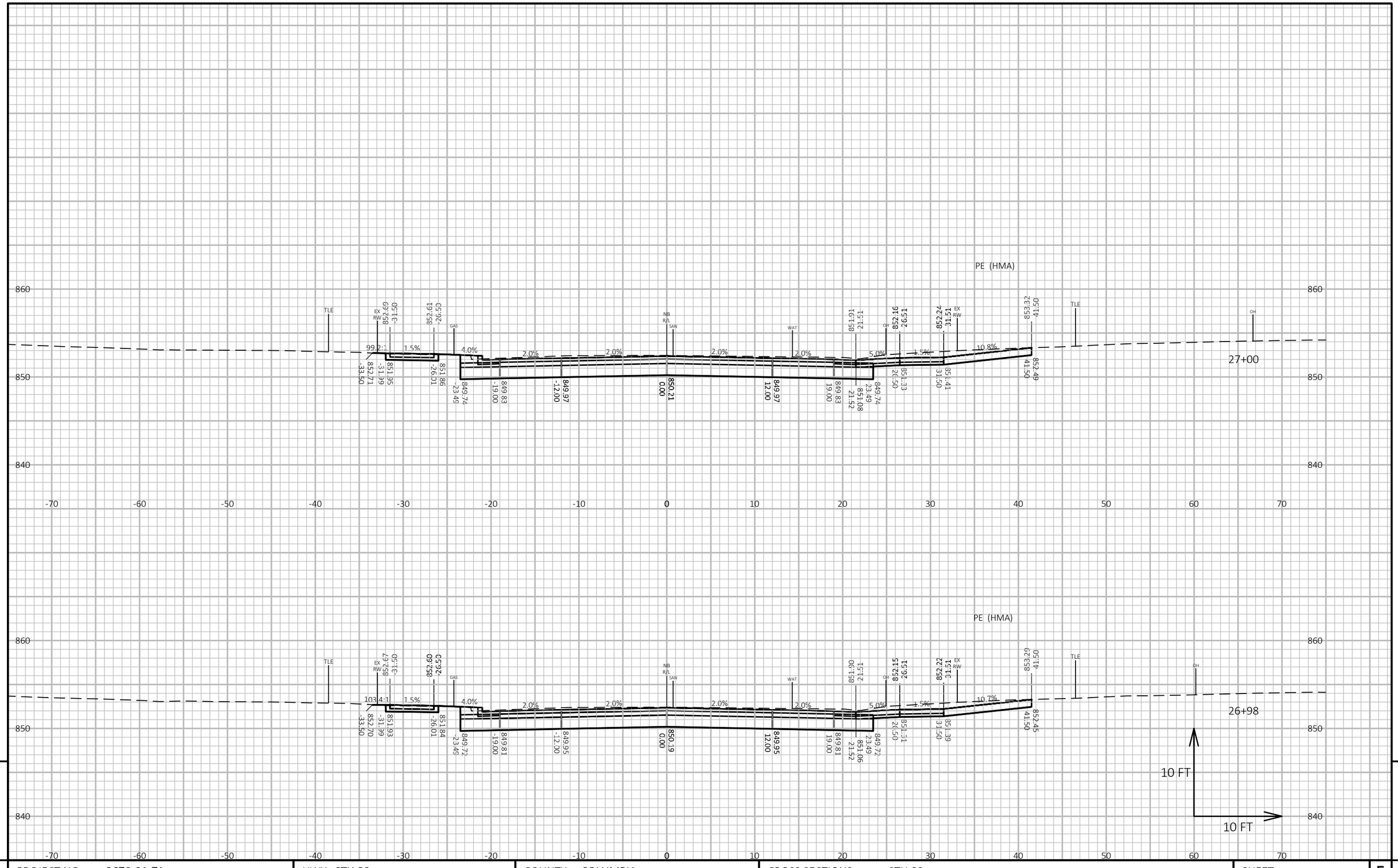
PLOT DATE : 8/26/2019 12:46 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(73)

PLOT DATE : 8/26/2019 12:47 PM

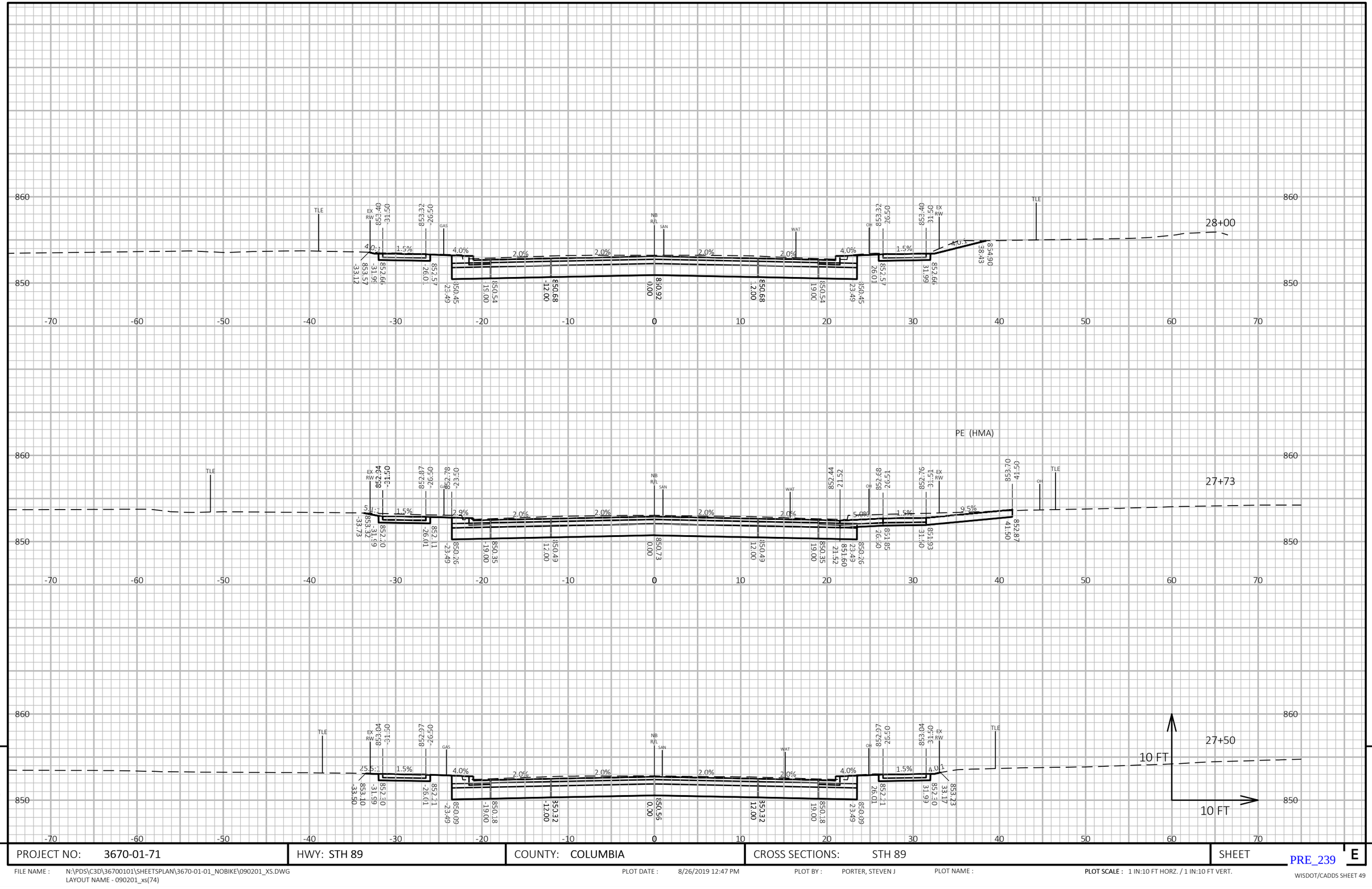
PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_238

WISDOT/CADDS SHEET 49



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(74)

PLOT DATE : 8/26/2019 12:47 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

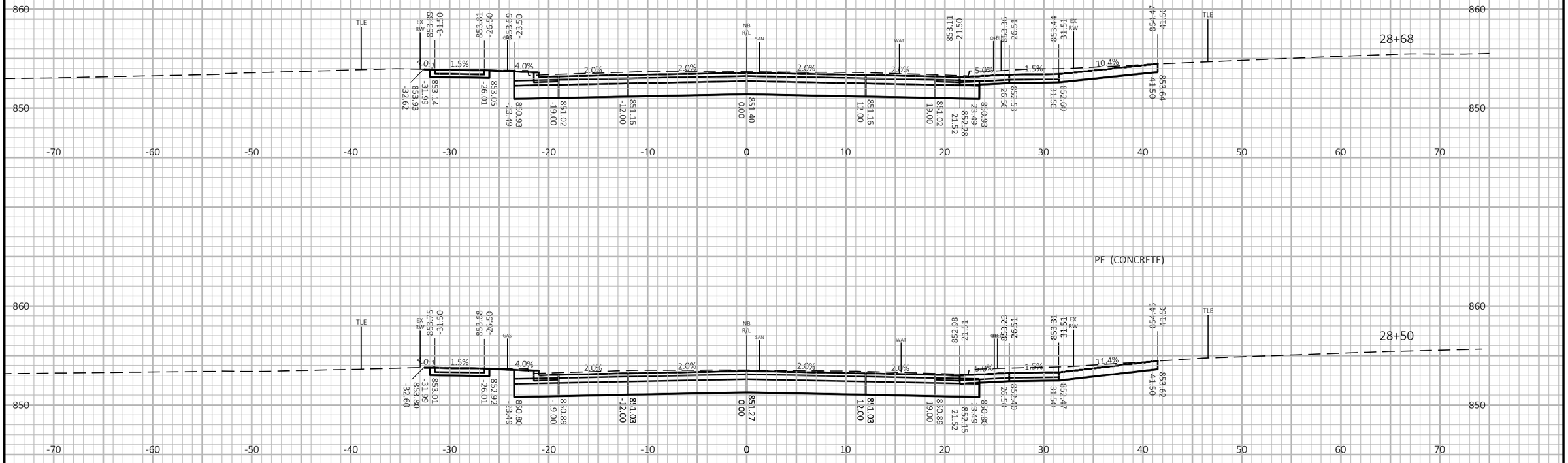
PRE_239

WISDOT/CADDS SHEET 49

9

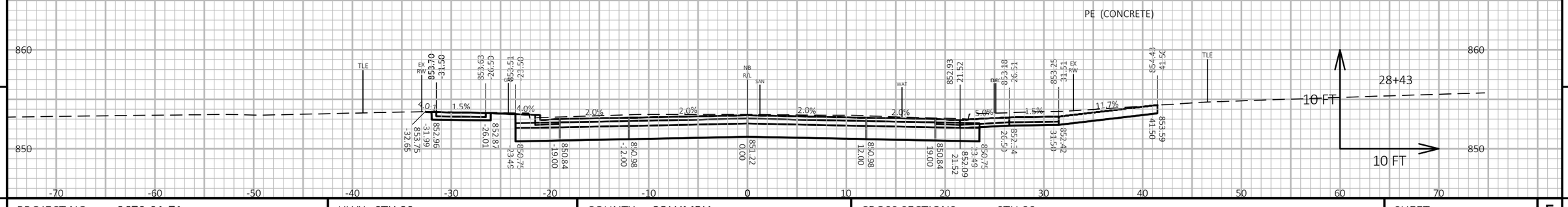
9

PE (3/4-INCH BAD)



PE (CONCRETE)

PE (CONCRETE)



9

9

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET

PRE_240

E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(75)

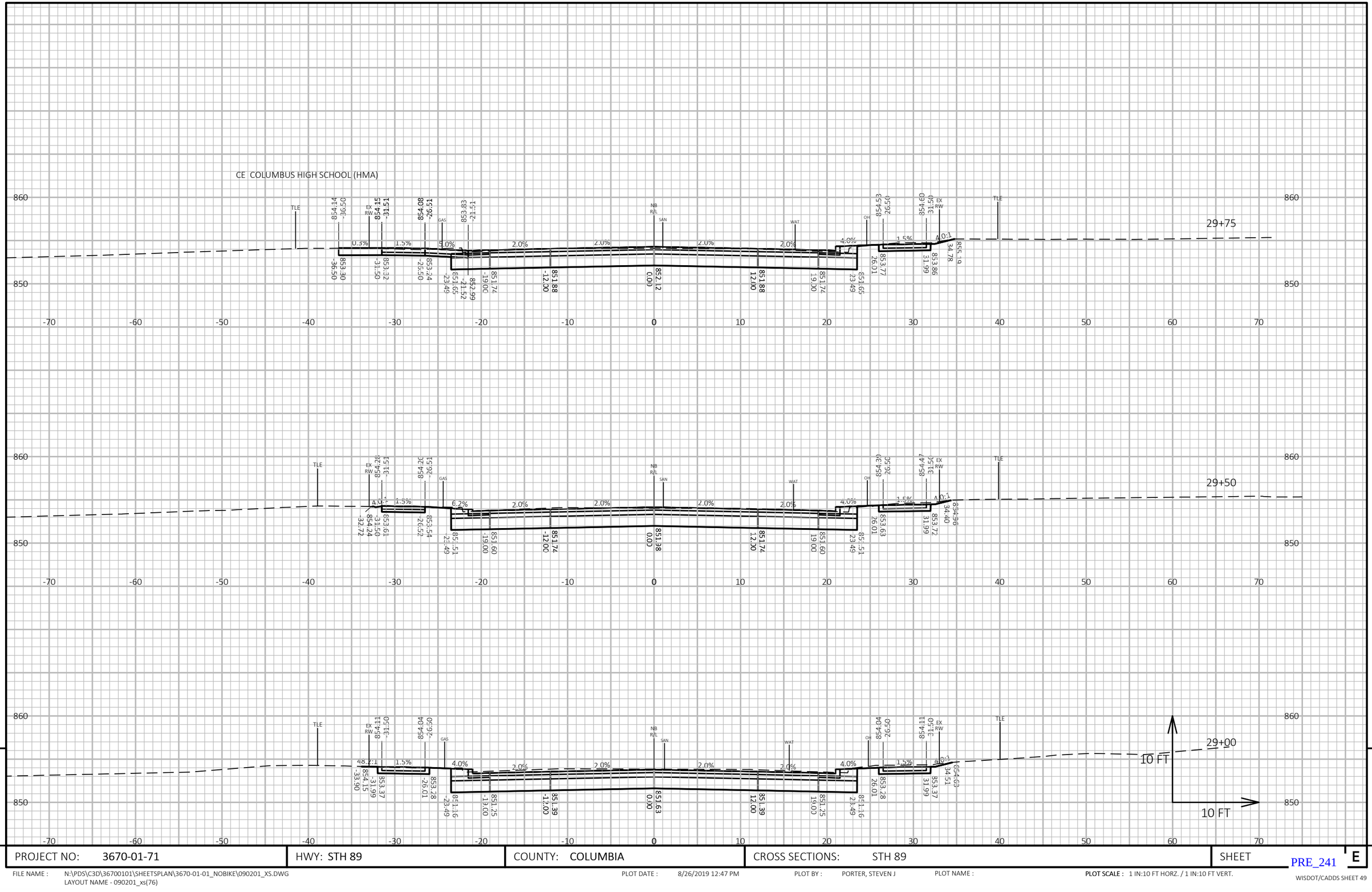
PLOT DATE : 8/26/2019 12:47 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_241

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(76)

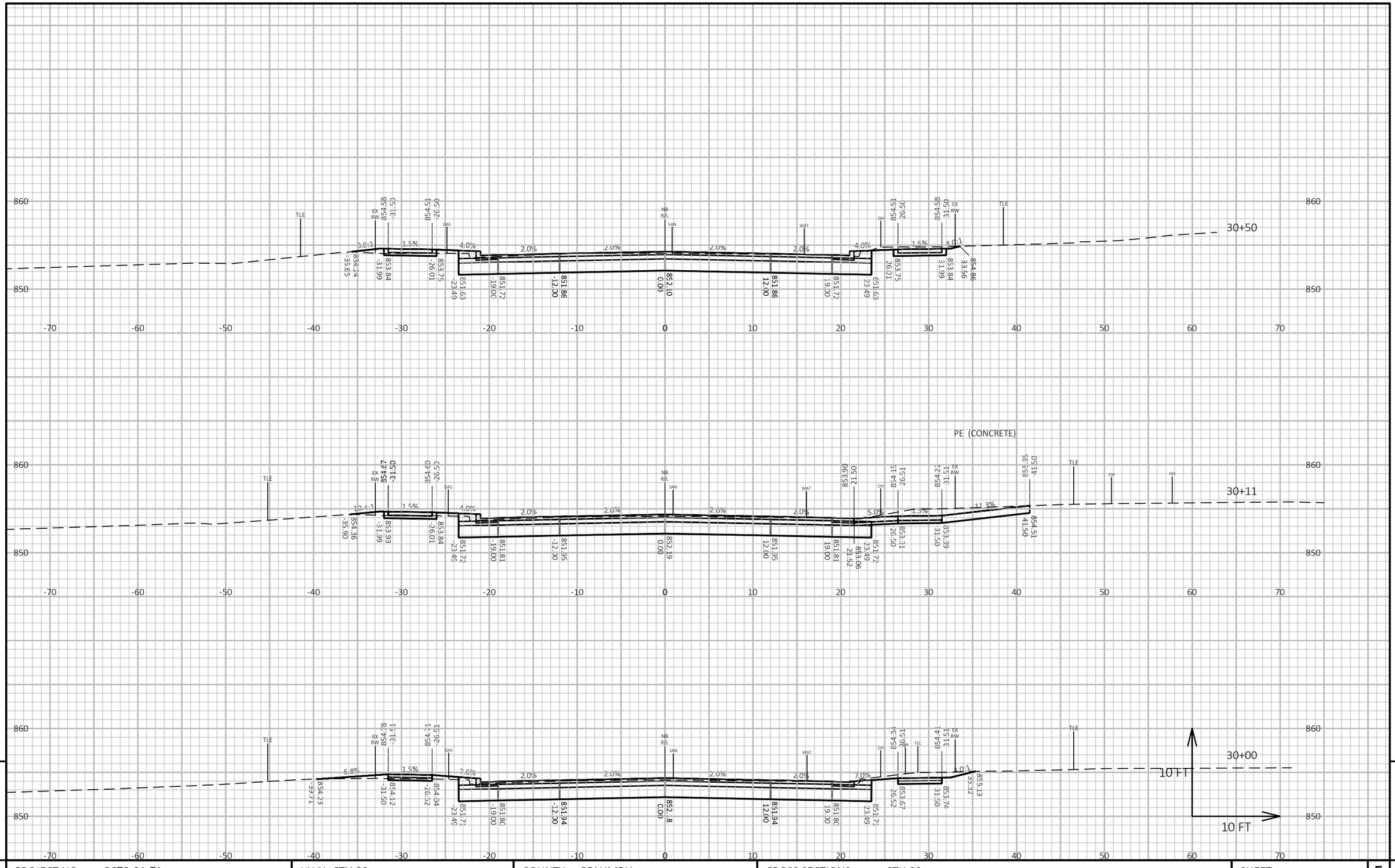
PLOT DATE : 8/26/2019 12:47 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_242

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(77)

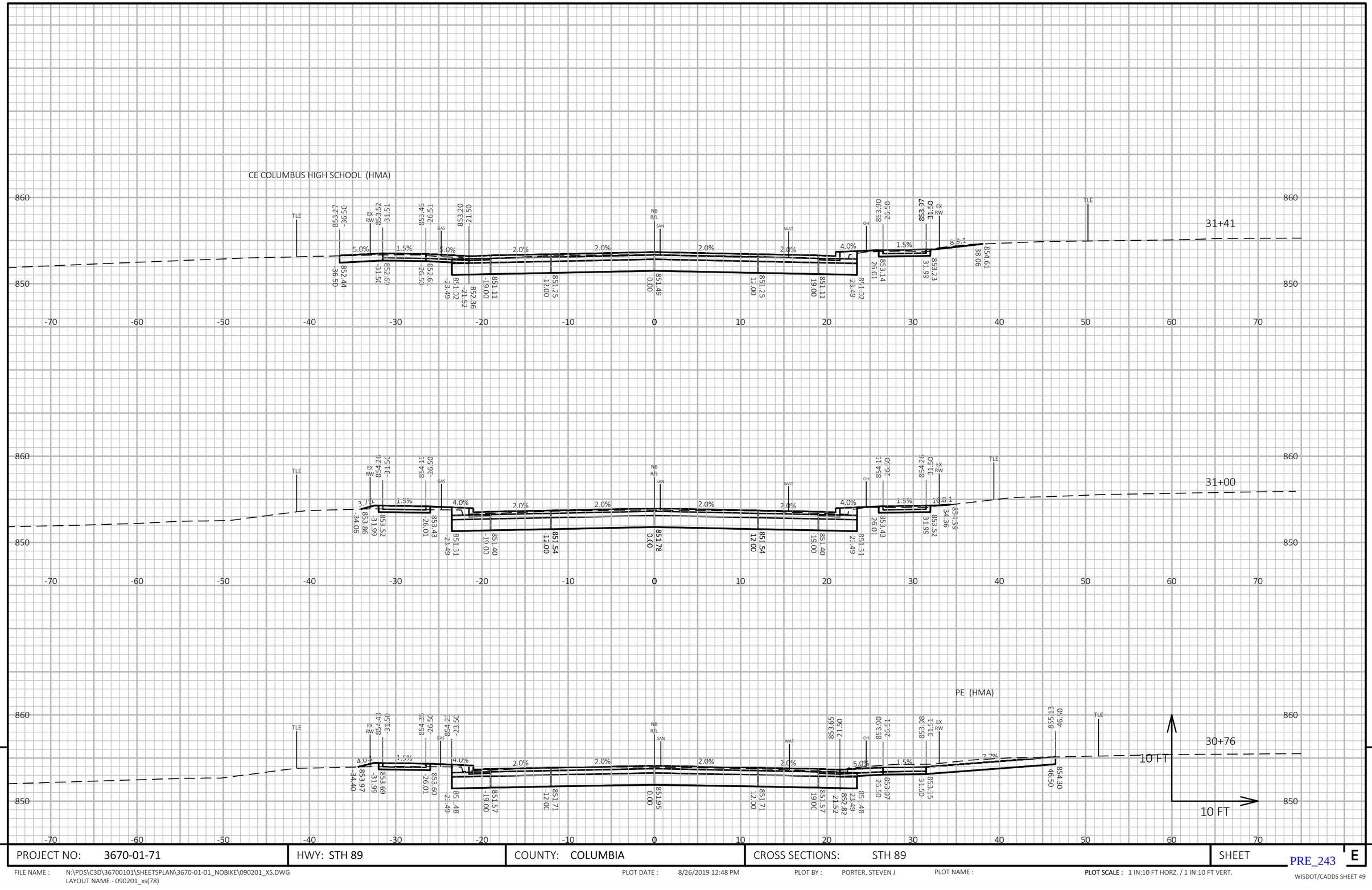
PLOT DATE : 8/26/2019 12:47 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_243

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(78)

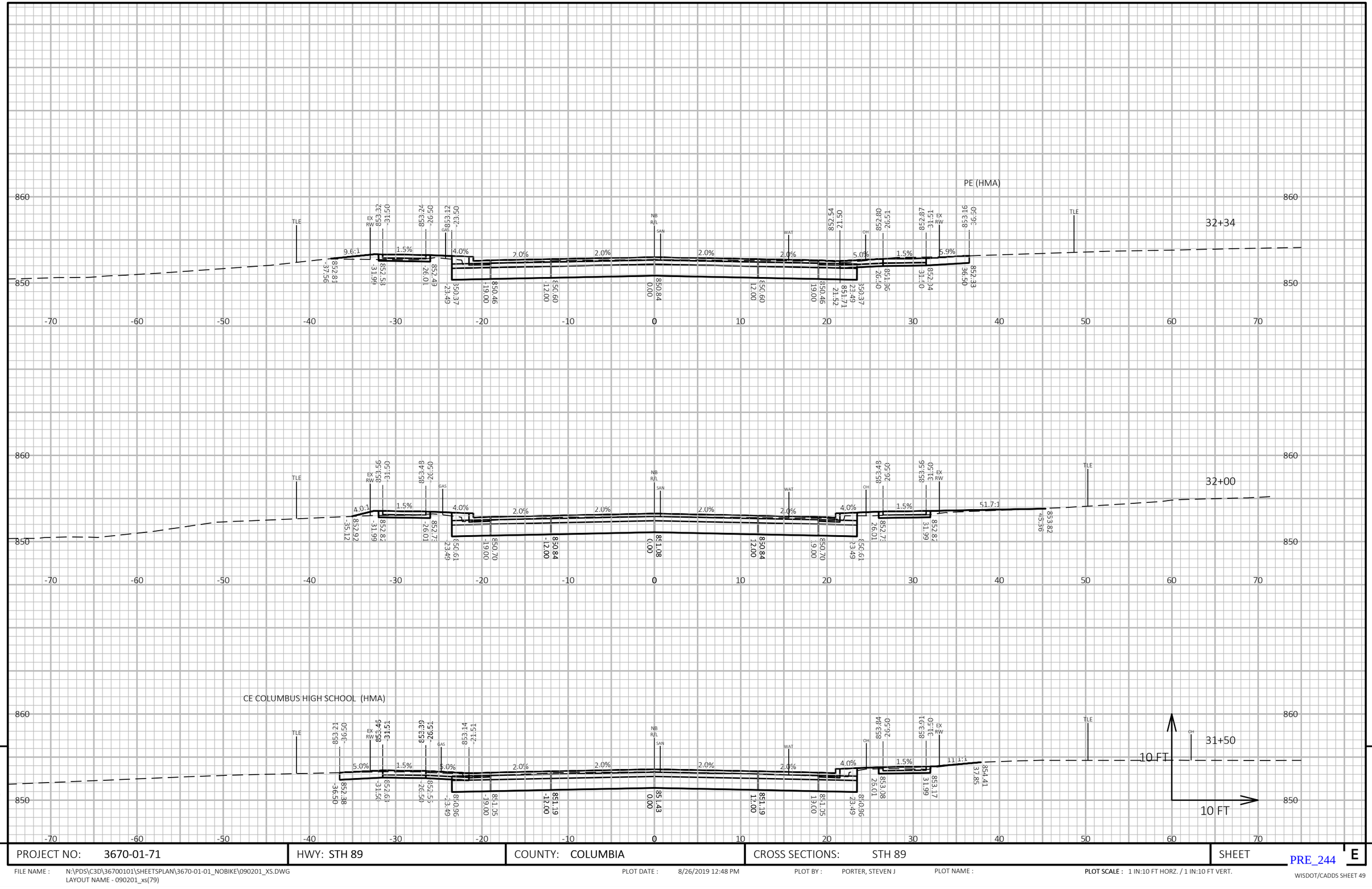
PLOT DATE : 8/26/2019 12:48 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET	E

PRE_244

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(79)

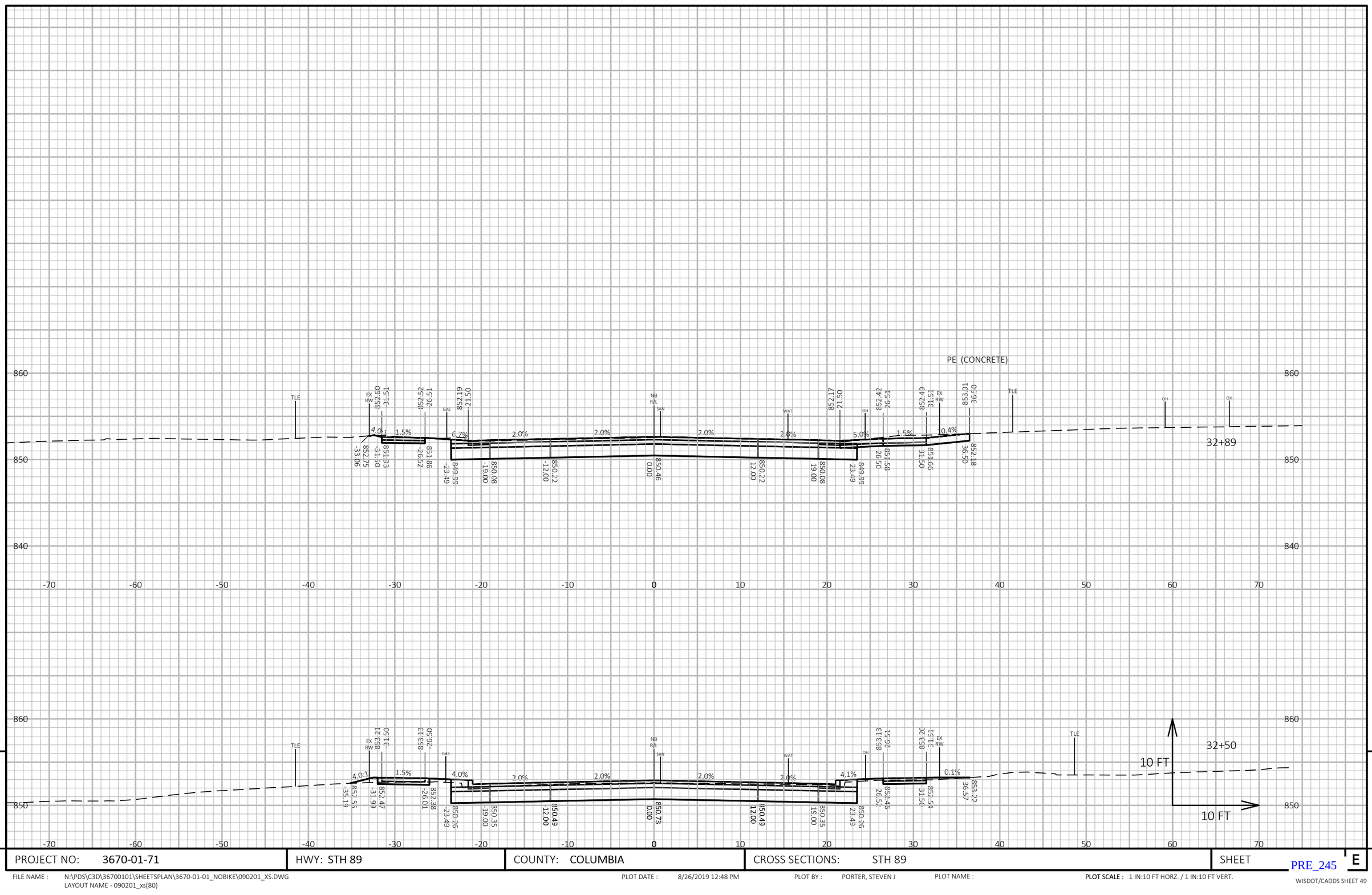
PLOT DATE : 8/26/2019 12:48 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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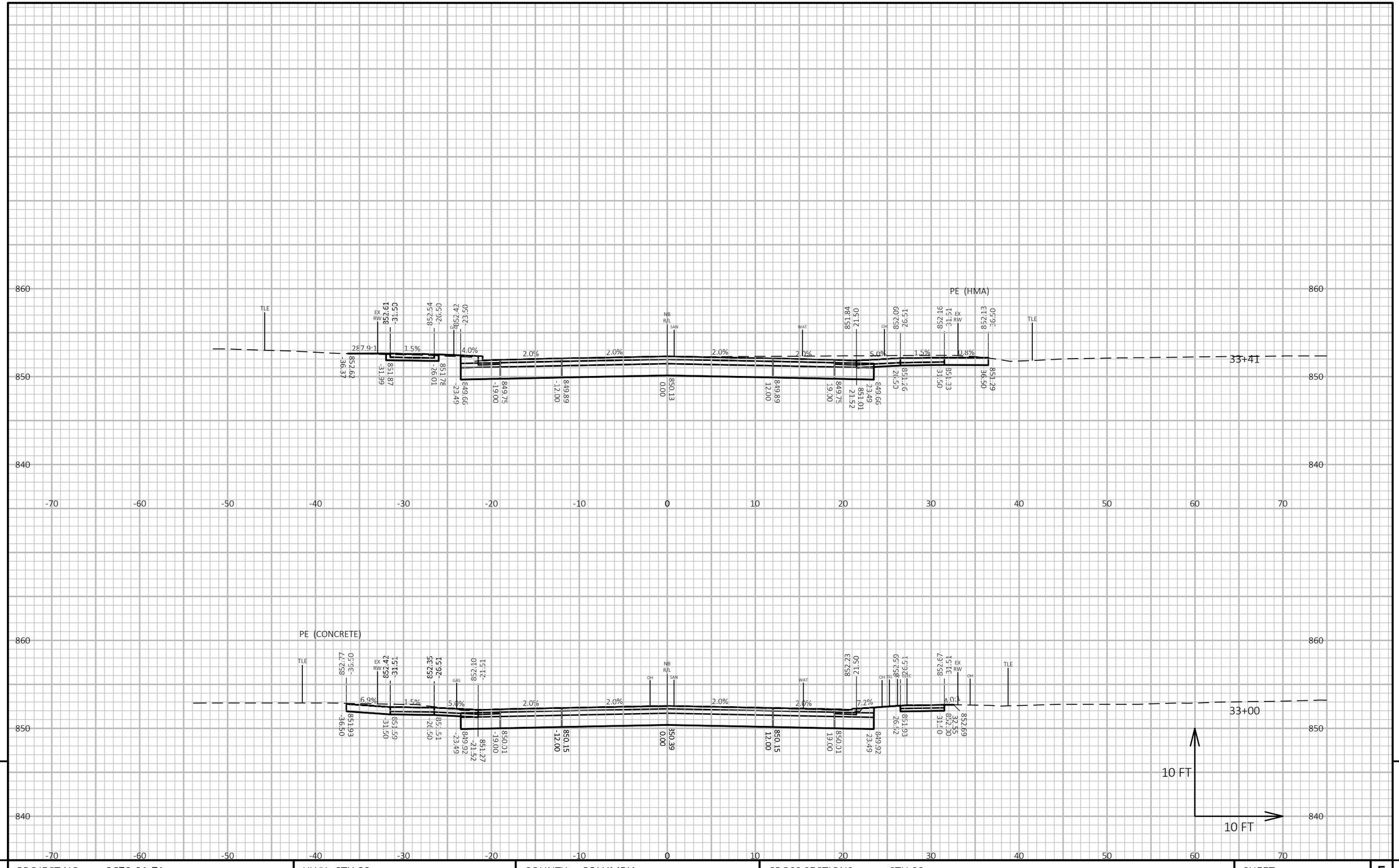
PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_245

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(80)

PLOT DATE : 8/26/2019 12:48 PM PLOT BY : PORTER, STEVEN J PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET

PRE_246

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(81)

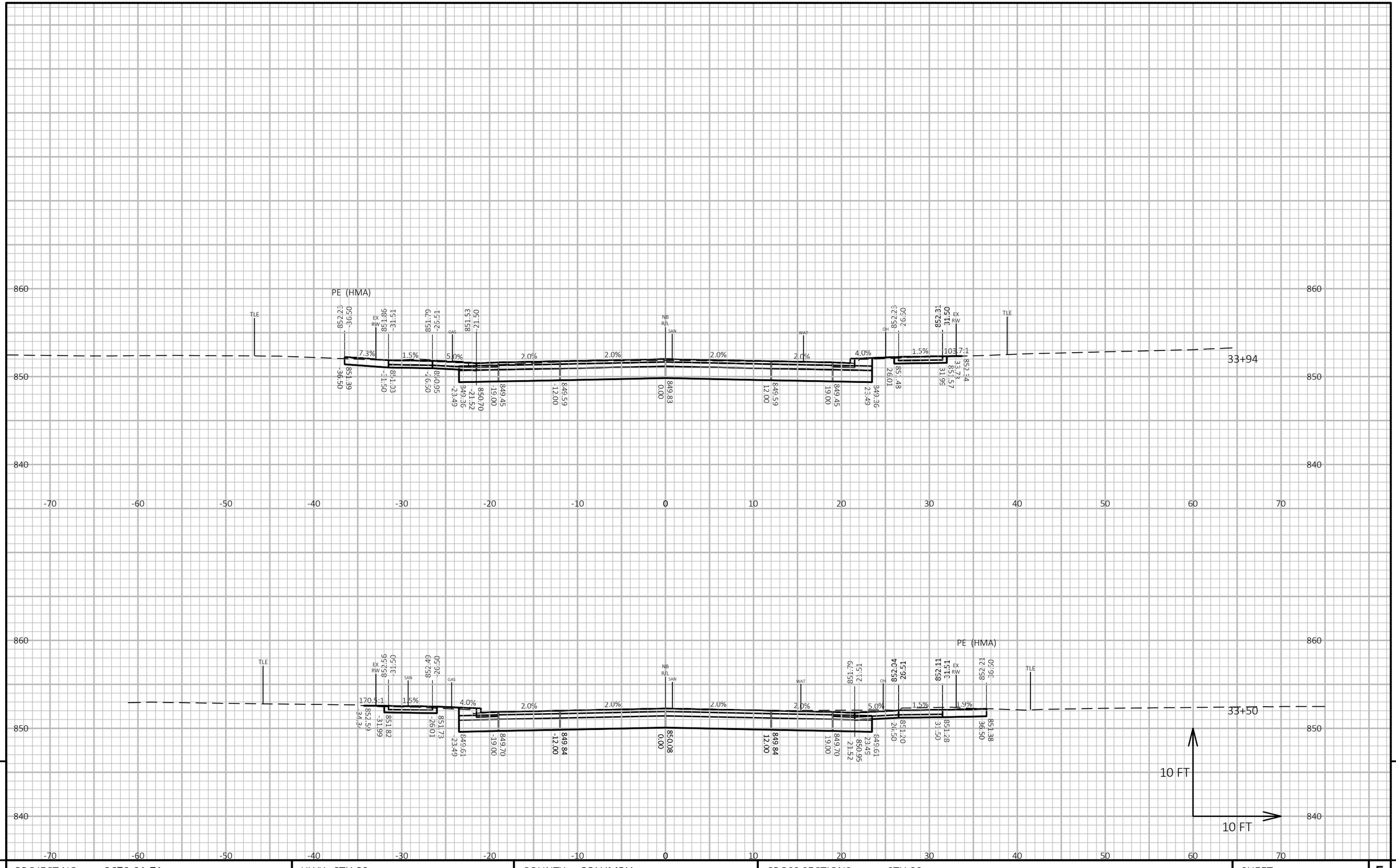
PLOT DATE : 8/26/2019 12:48 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9 9

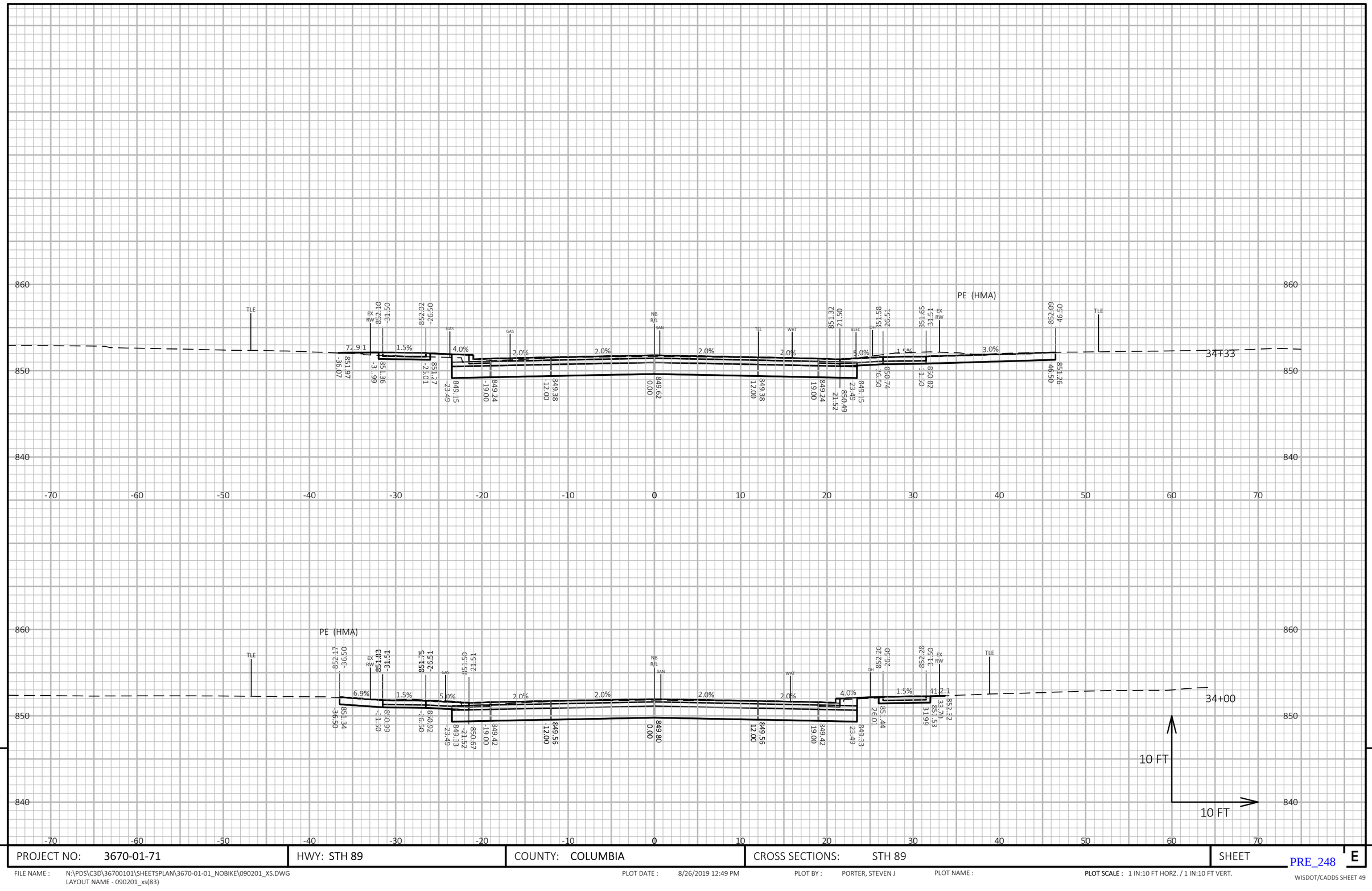
PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_247

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(82)

PLOT DATE : 8/26/2019 12:48 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

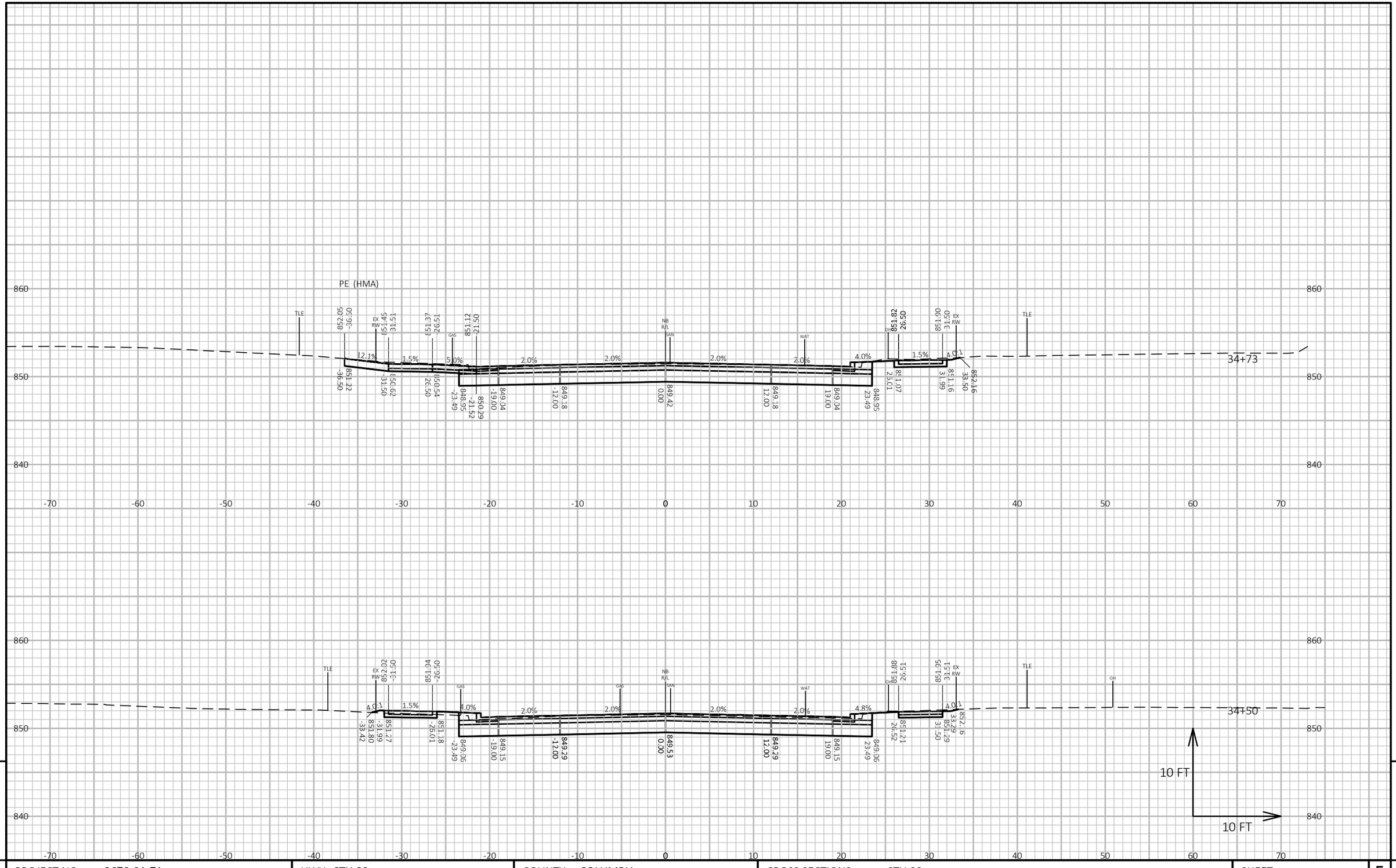


PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET PRE_248 E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(83)

PLOT DATE : 8/26/2019 12:49 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(84)

PLOT DATE : 8/26/2019 12:49 PM

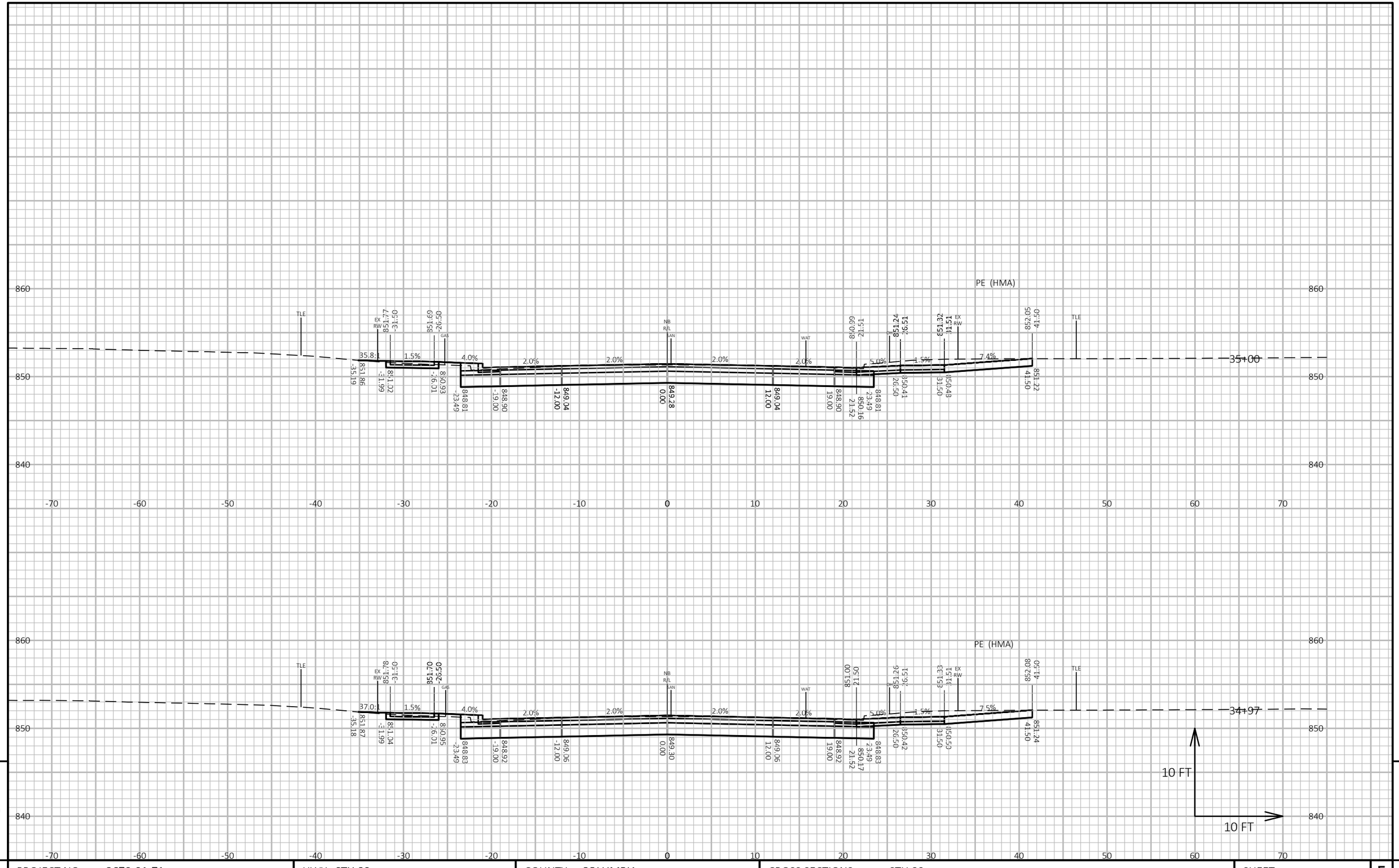
PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_249

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(85)

PLOT DATE : 8/26/2019 12:49 PM

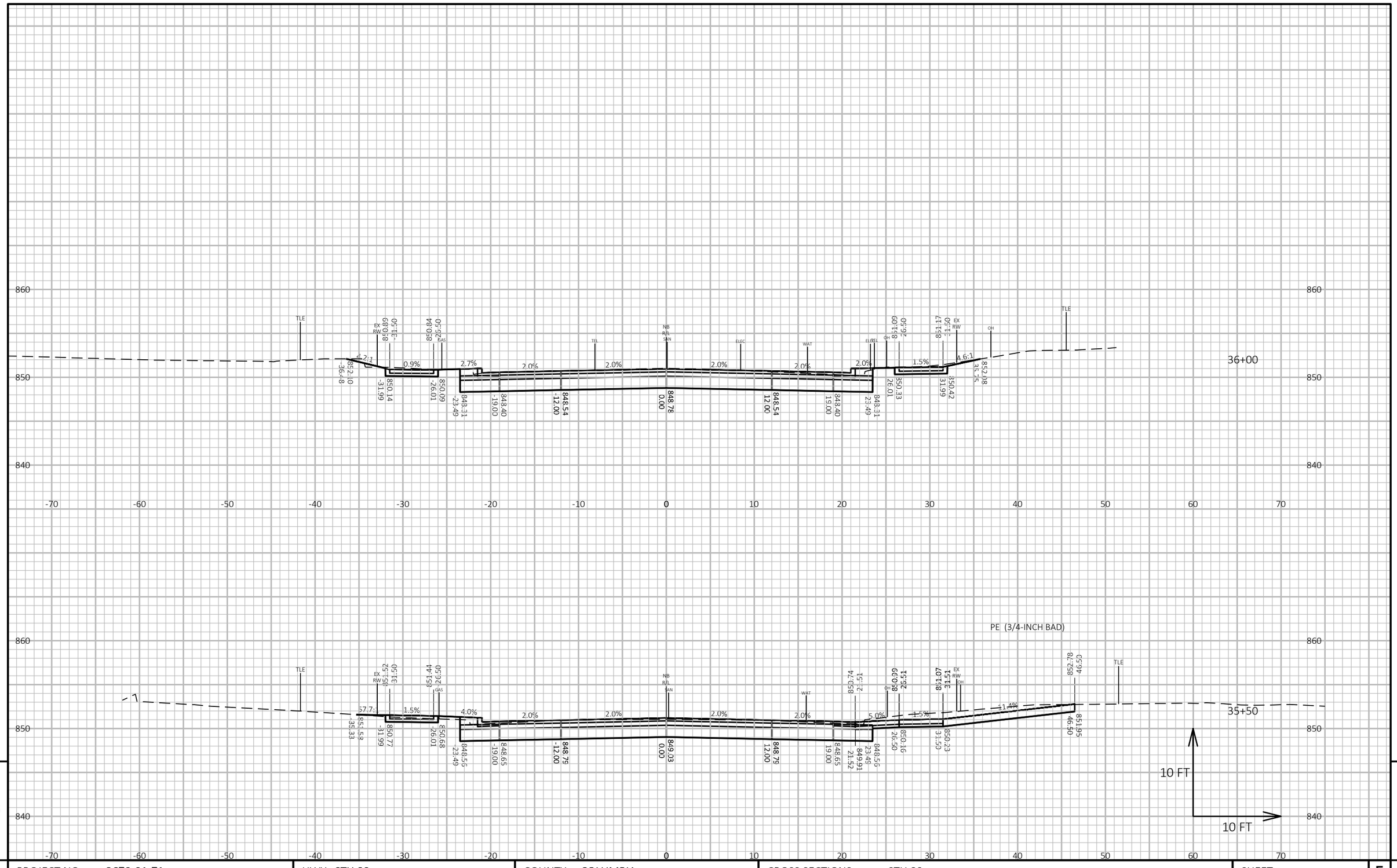
PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_250

WISDOT/CADDS SHEET 49



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_251

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(86)

PLOT DATE : 8/26/2019 12:49 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

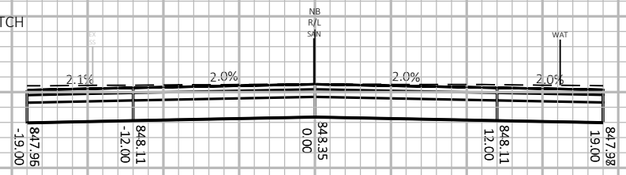
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

860
850
840

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

FOLSOM STREET MATCH



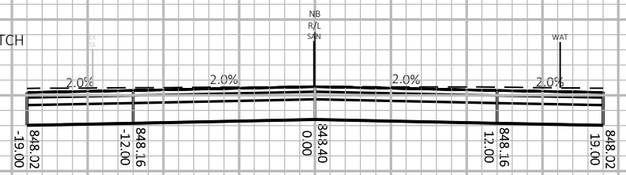
FOLSOM STREET MATCH

36+53

860
850
840

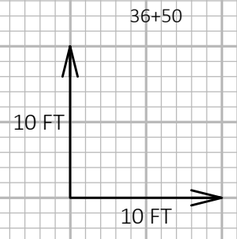
-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

FOLSOM STREET MATCH



FOLSOM STREET MATCH

36+50



860
850
840

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

9

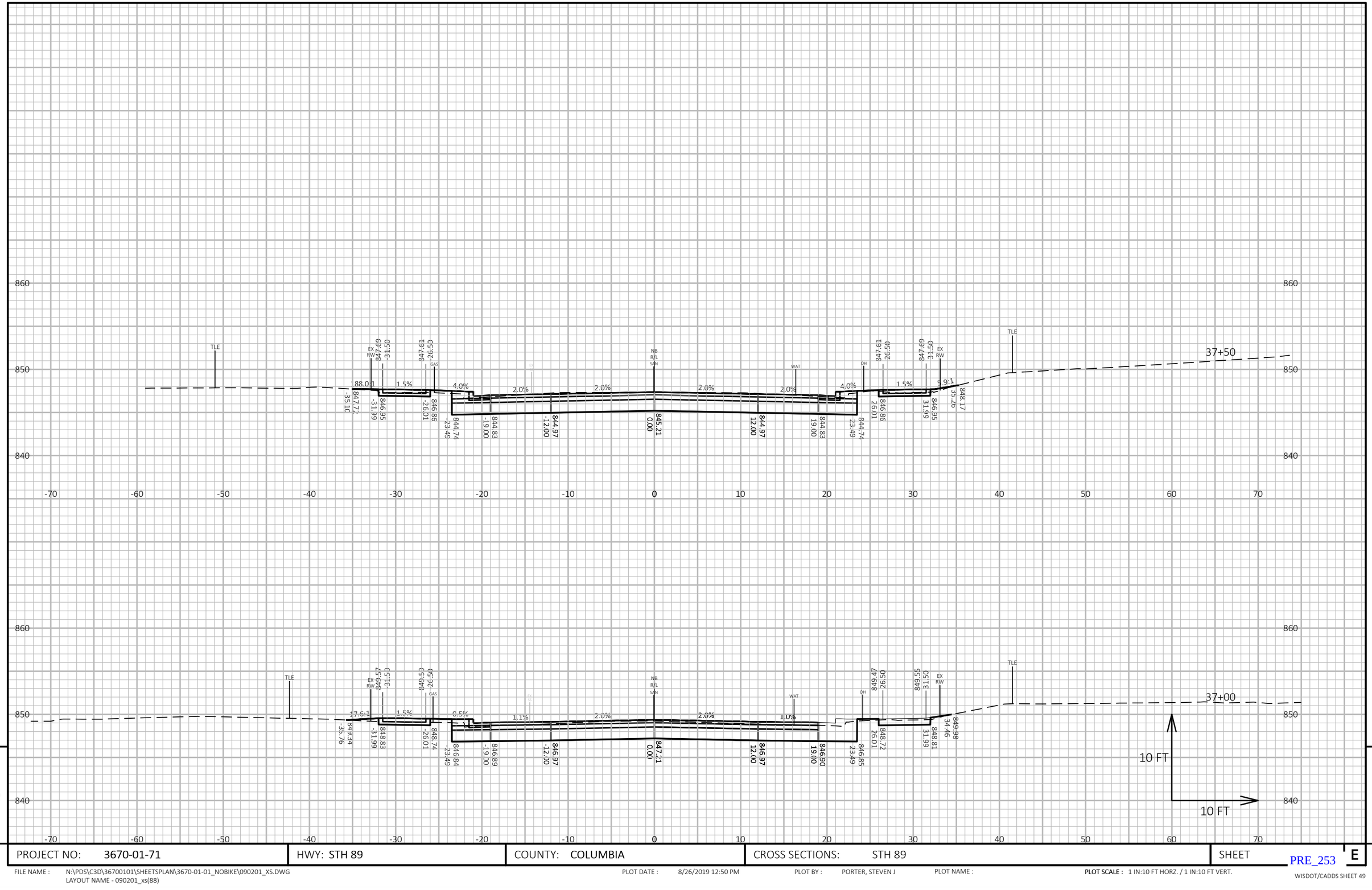
PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_252

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(87)

PLOT DATE : 8/26/2019 12:49 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

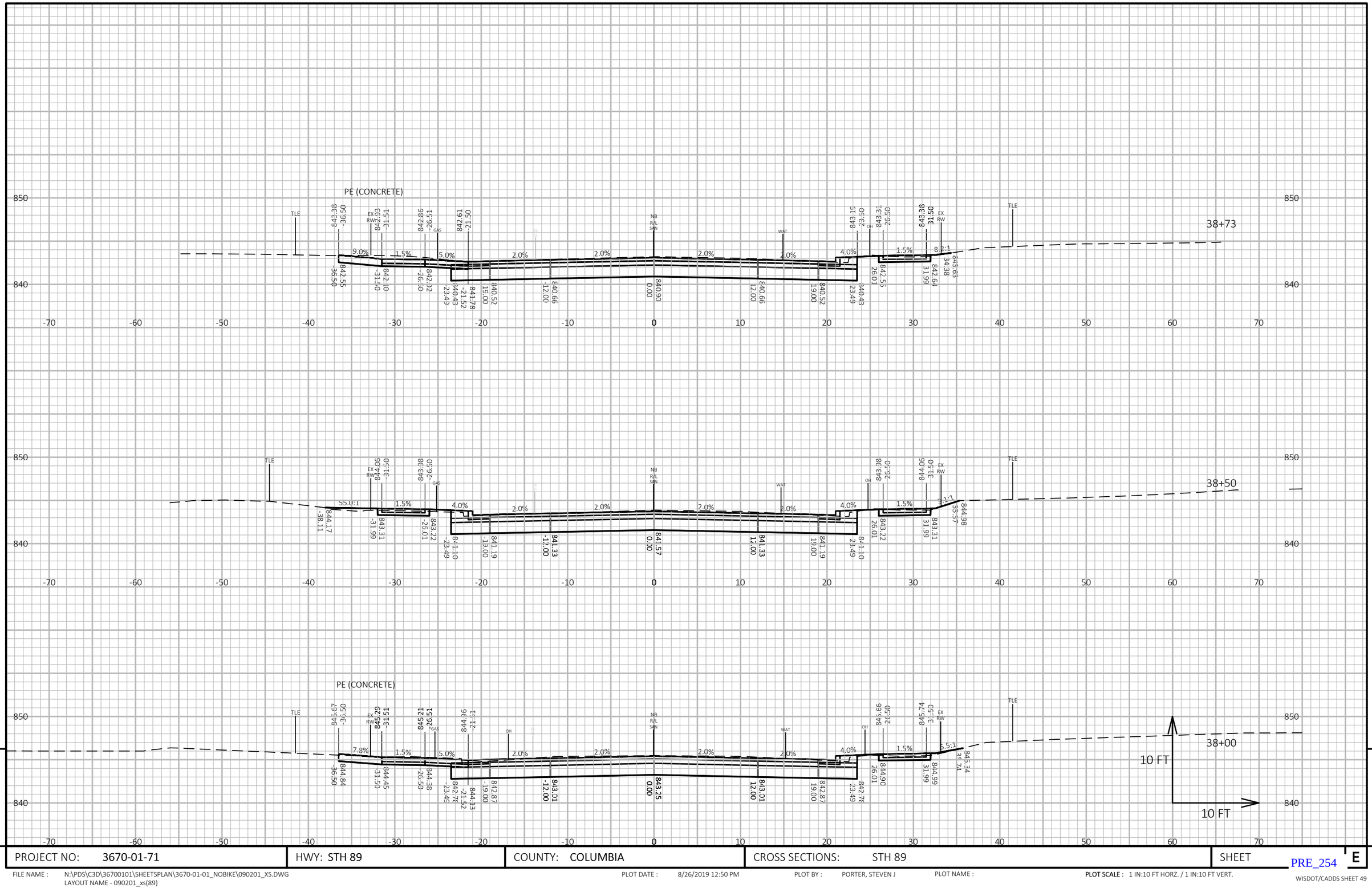
PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(88)

PLOT DATE : 8/26/2019 12:50 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_253

WISDOT/CADDS SHEET 49



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PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET

PRE_254

E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(89)

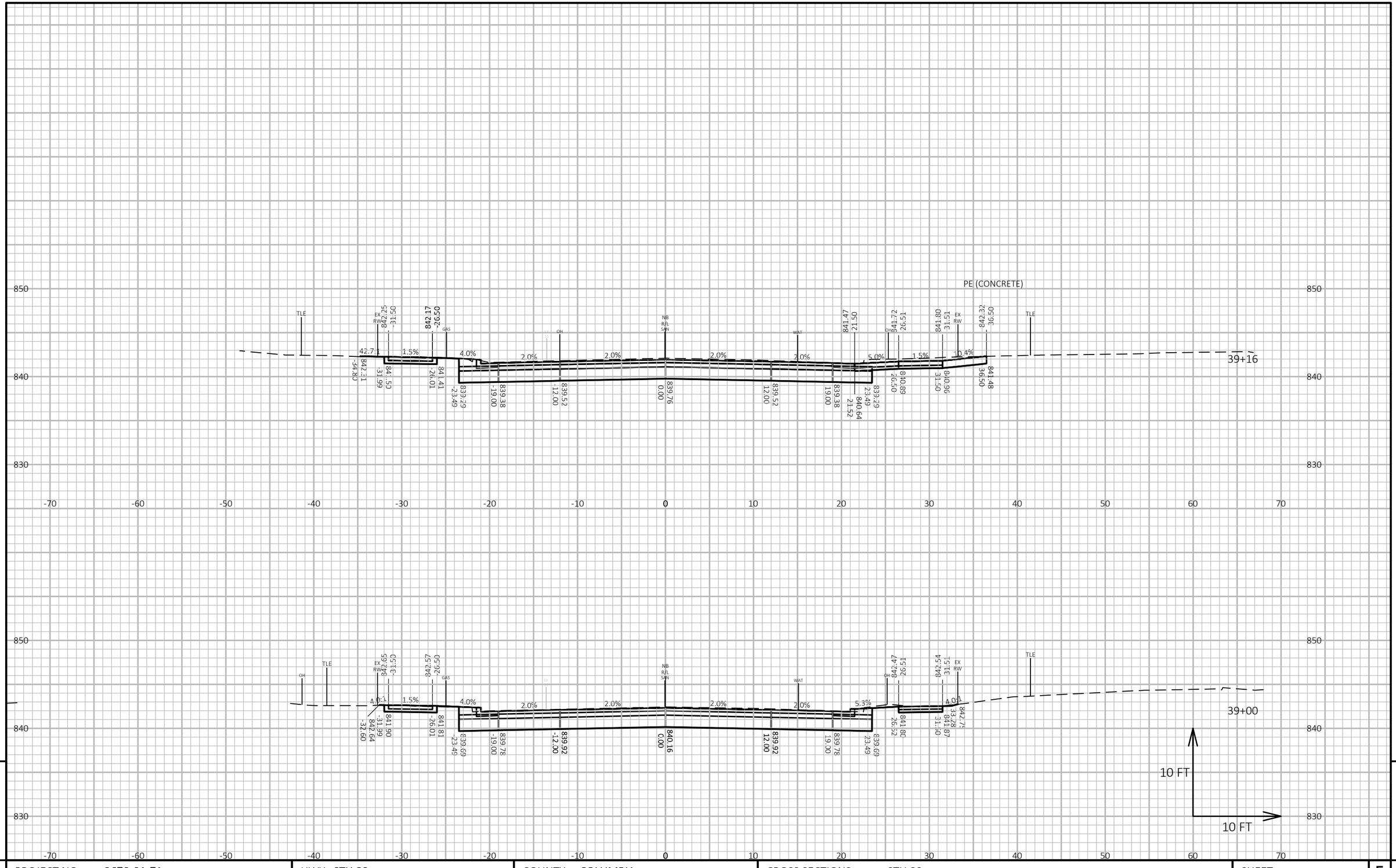
PLOT DATE : 8/26/2019 12:50 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_255

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(90)

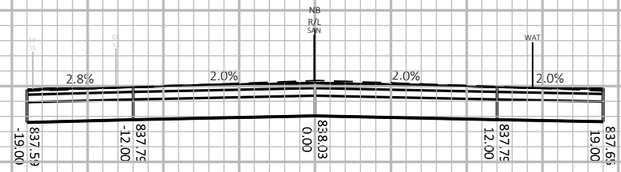
PLOT DATE : 8/26/2019 12:50 PM PLOT BY : PORTER, STEVEN J PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

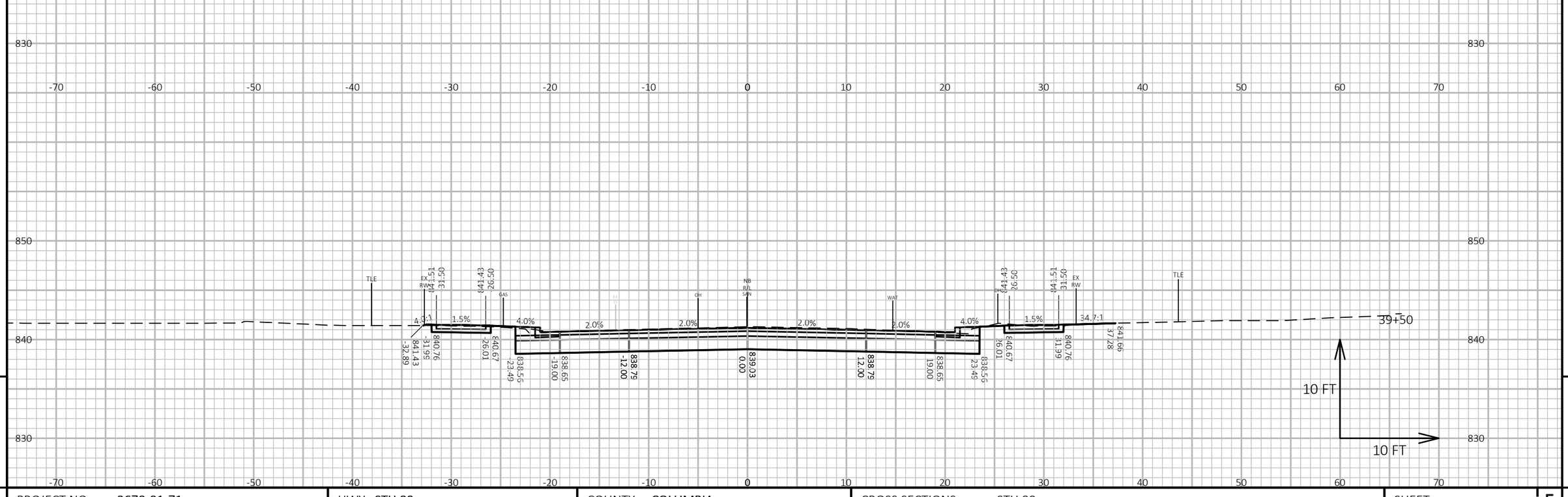
WISDOT/CADDS SHEET 49

POET STREET MATCH

POET STREET MATCH



40+00



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET

PRE_256

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(91)

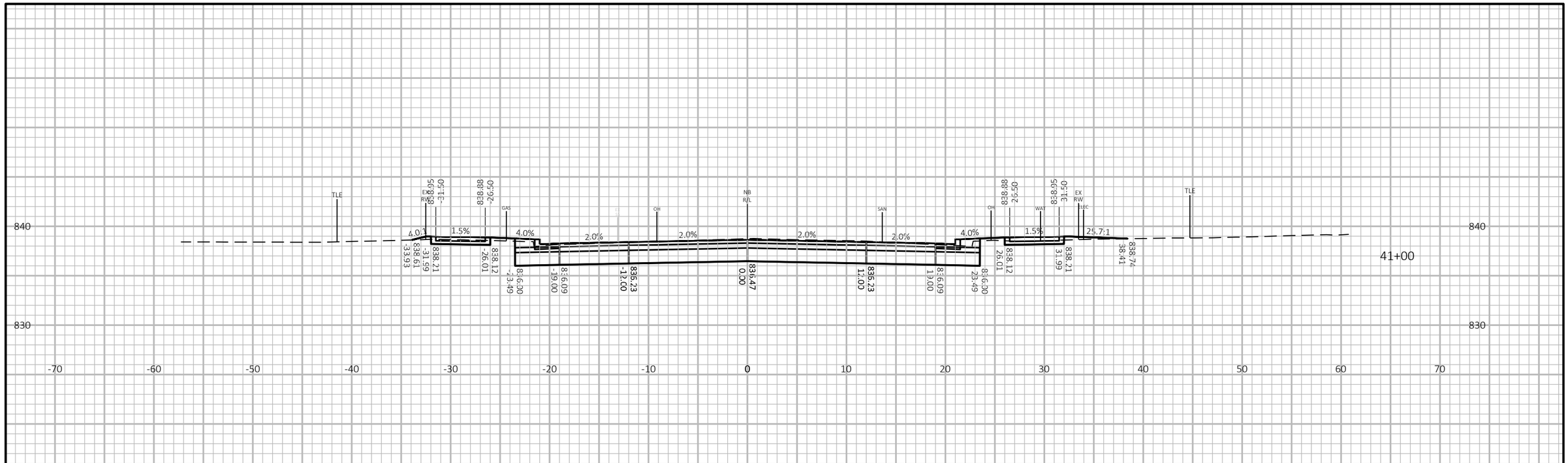
PLOT DATE : 8/26/2019 12:50 PM

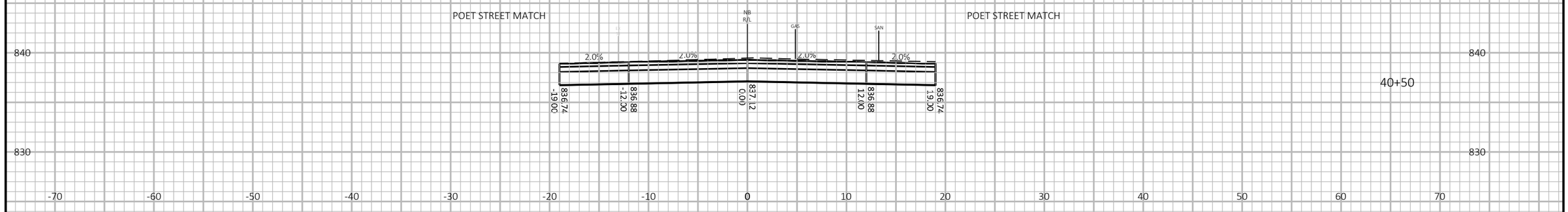
PLOT BY : PORTER, STEVEN J

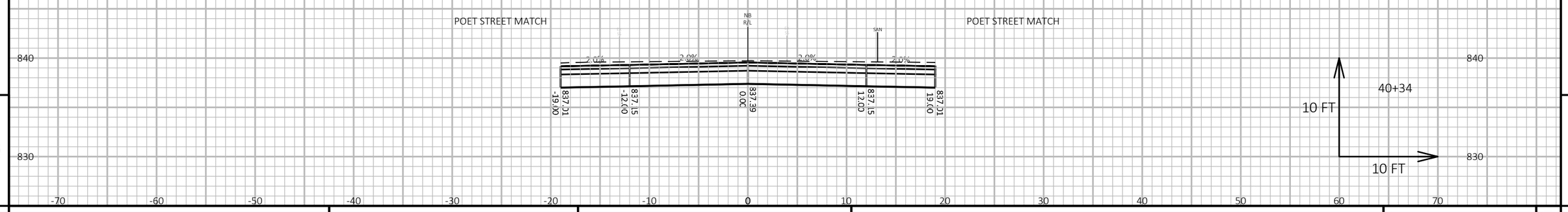
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_257

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(92)

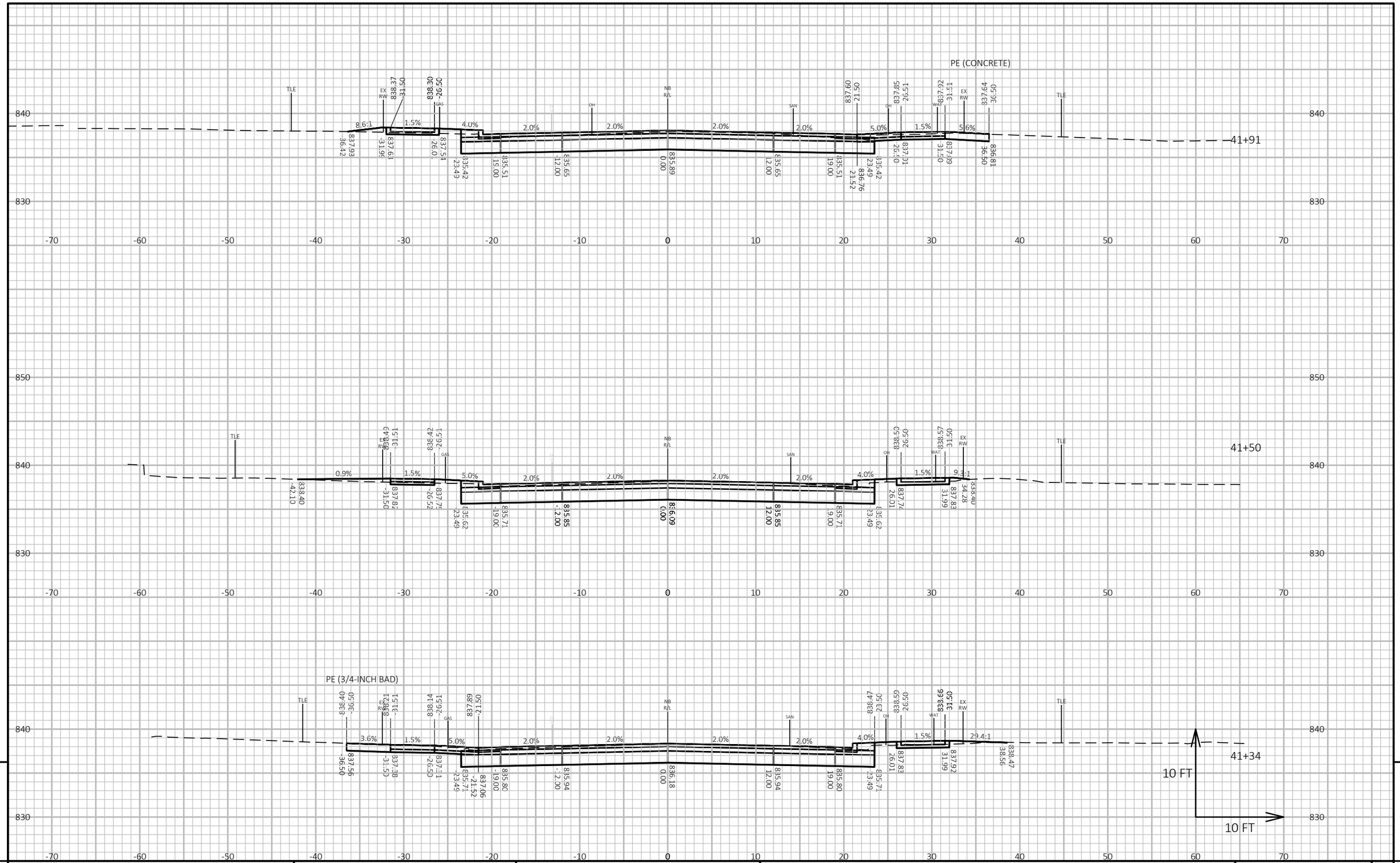
PLOT DATE : 8/26/2019 12:50 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(93)

PLOT DATE : 8/26/2019 12:51 PM

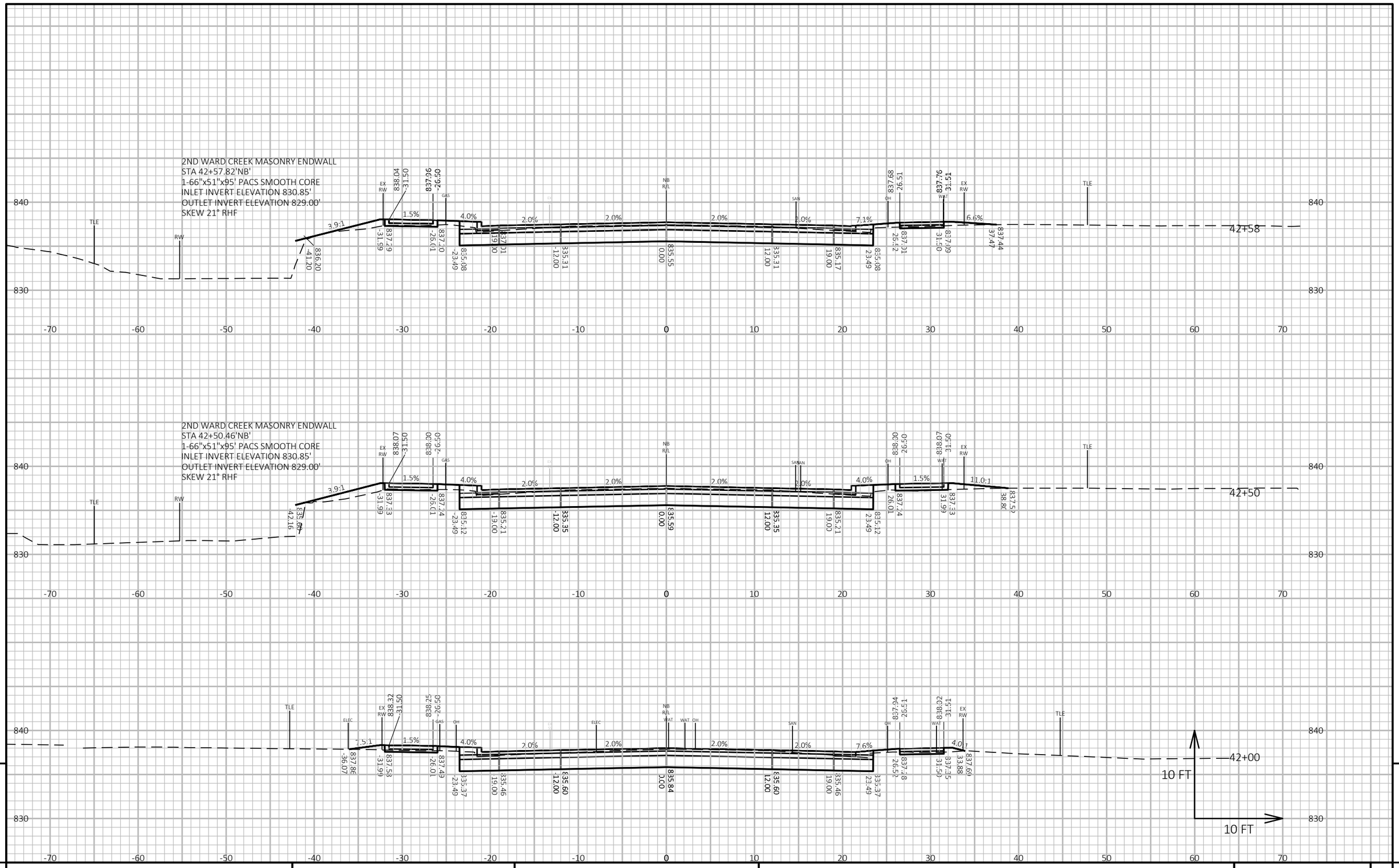
PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_258

WISDOT/CADDS SHEET 49



9

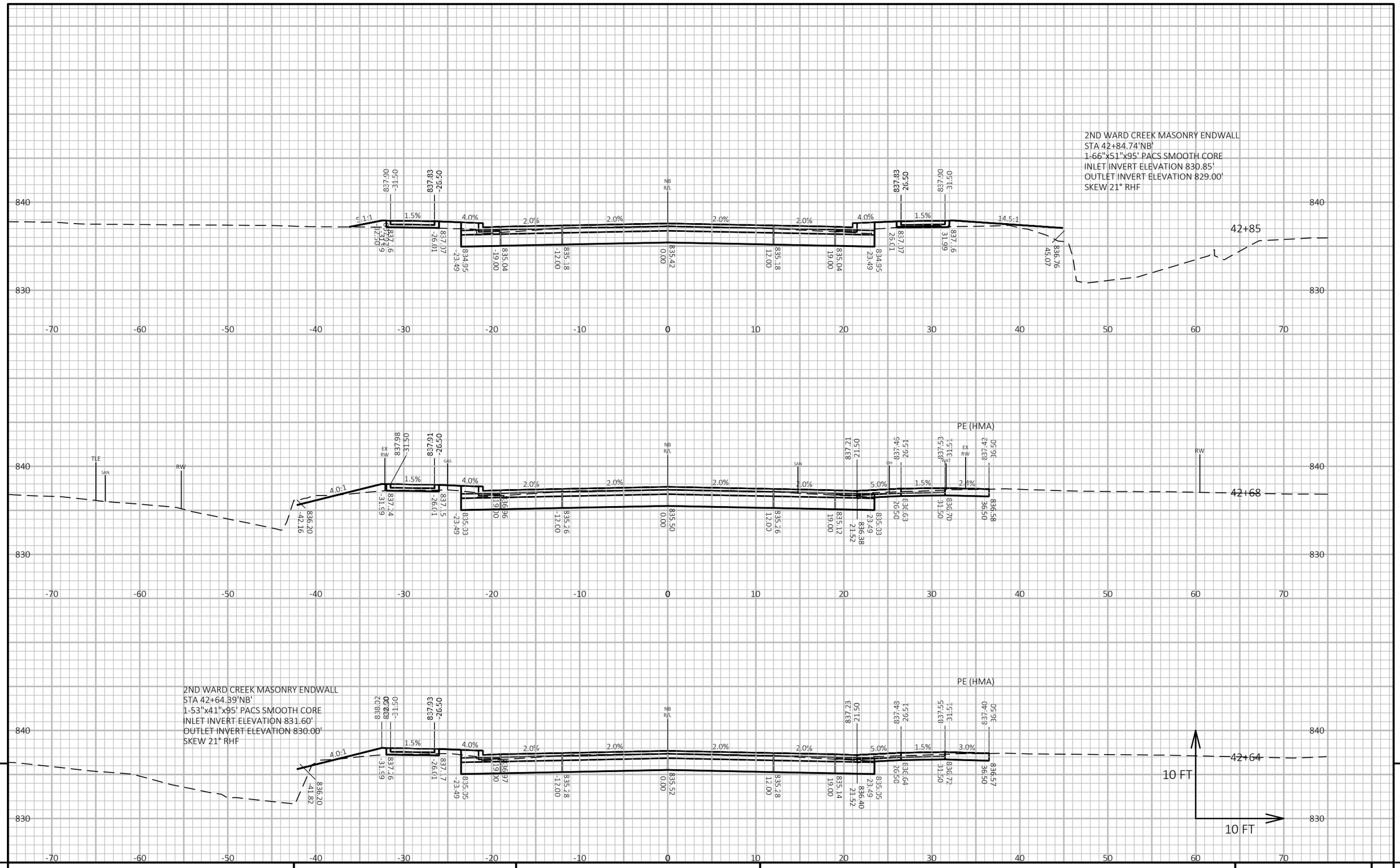
PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_259

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(94)

PLOT DATE : 8/26/2019 12:51 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_260

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(95)

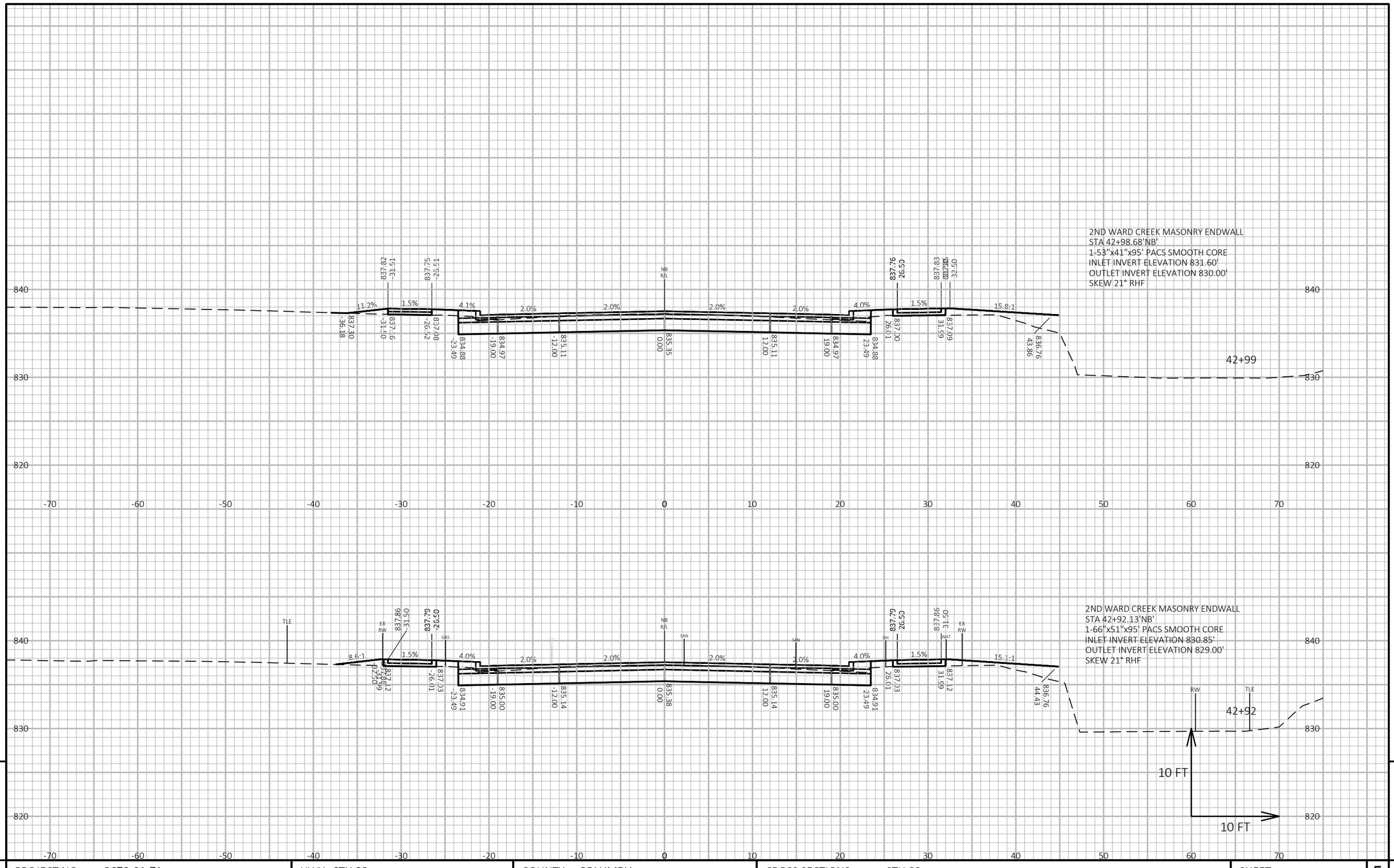
PLOT DATE : 8/26/2019 12:51 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_261

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(96)

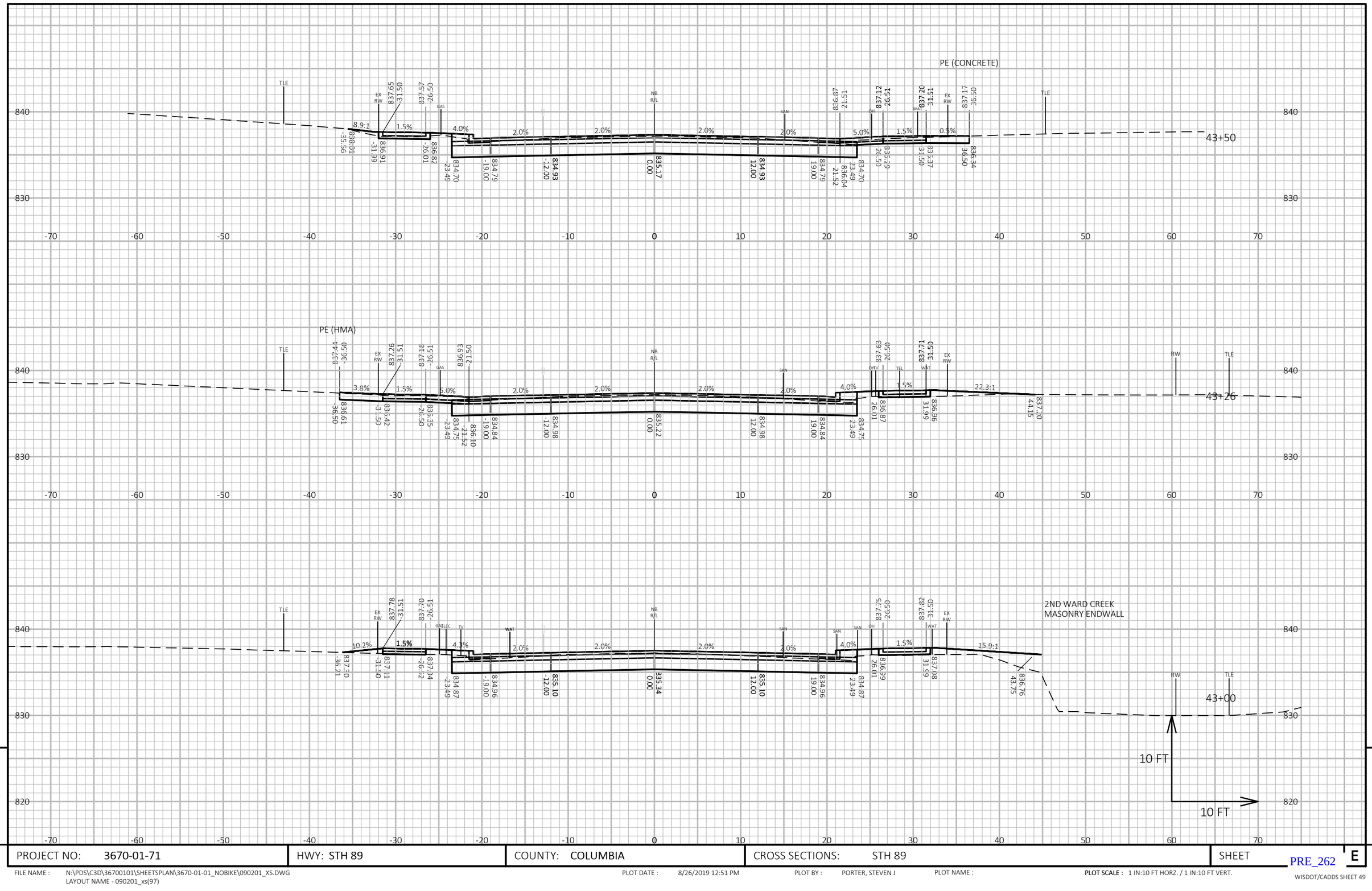
PLOT DATE : 8/26/2019 12:51 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

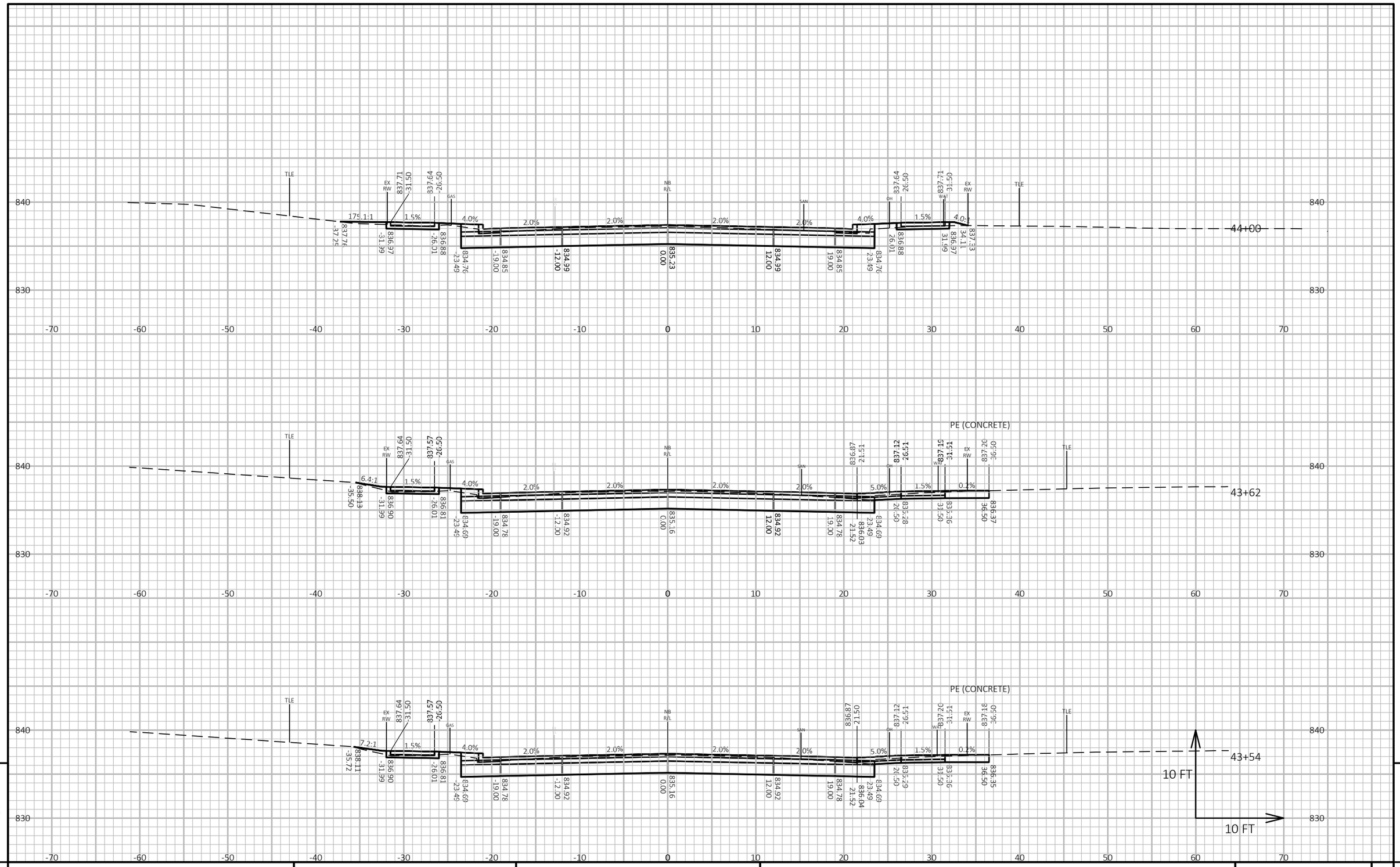
PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_262

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(97)

PLOT DATE : 8/26/2019 12:51 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_263

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(98)

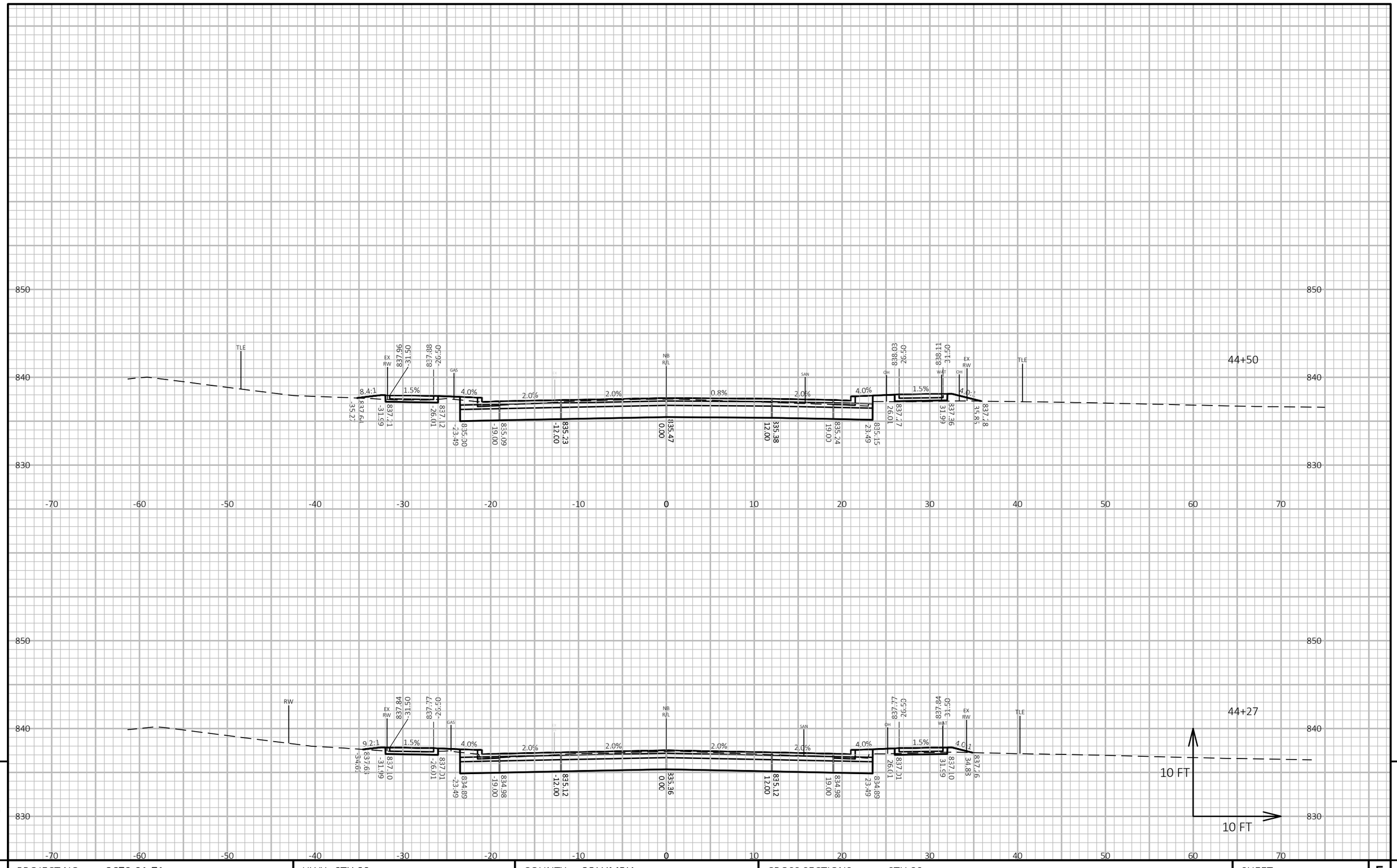
PLOT DATE : 8/26/2019 12:51 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(99)

PLOT DATE : 8/26/2019 12:52 PM

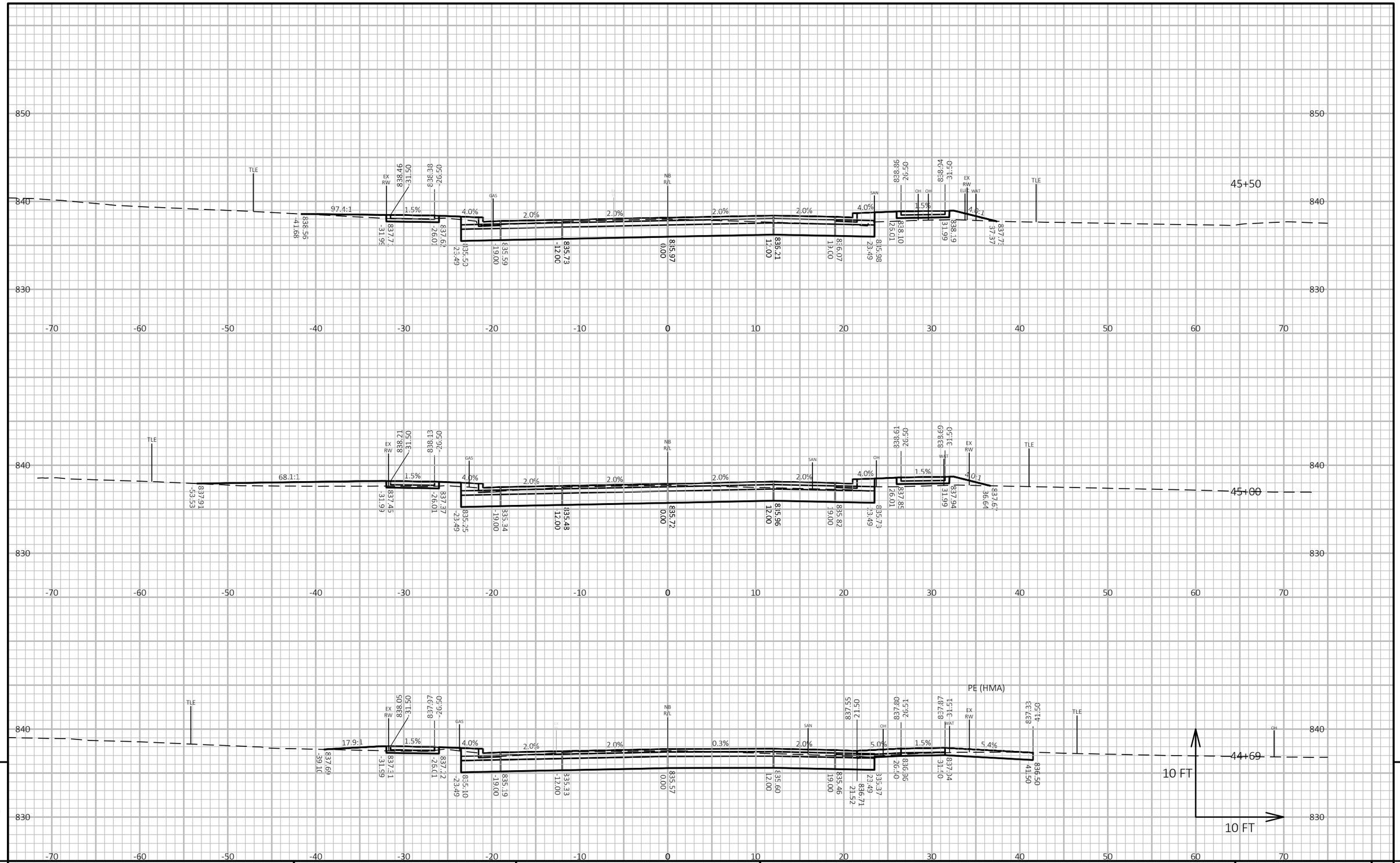
PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_264

WISDOT/CADDS SHEET 49



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

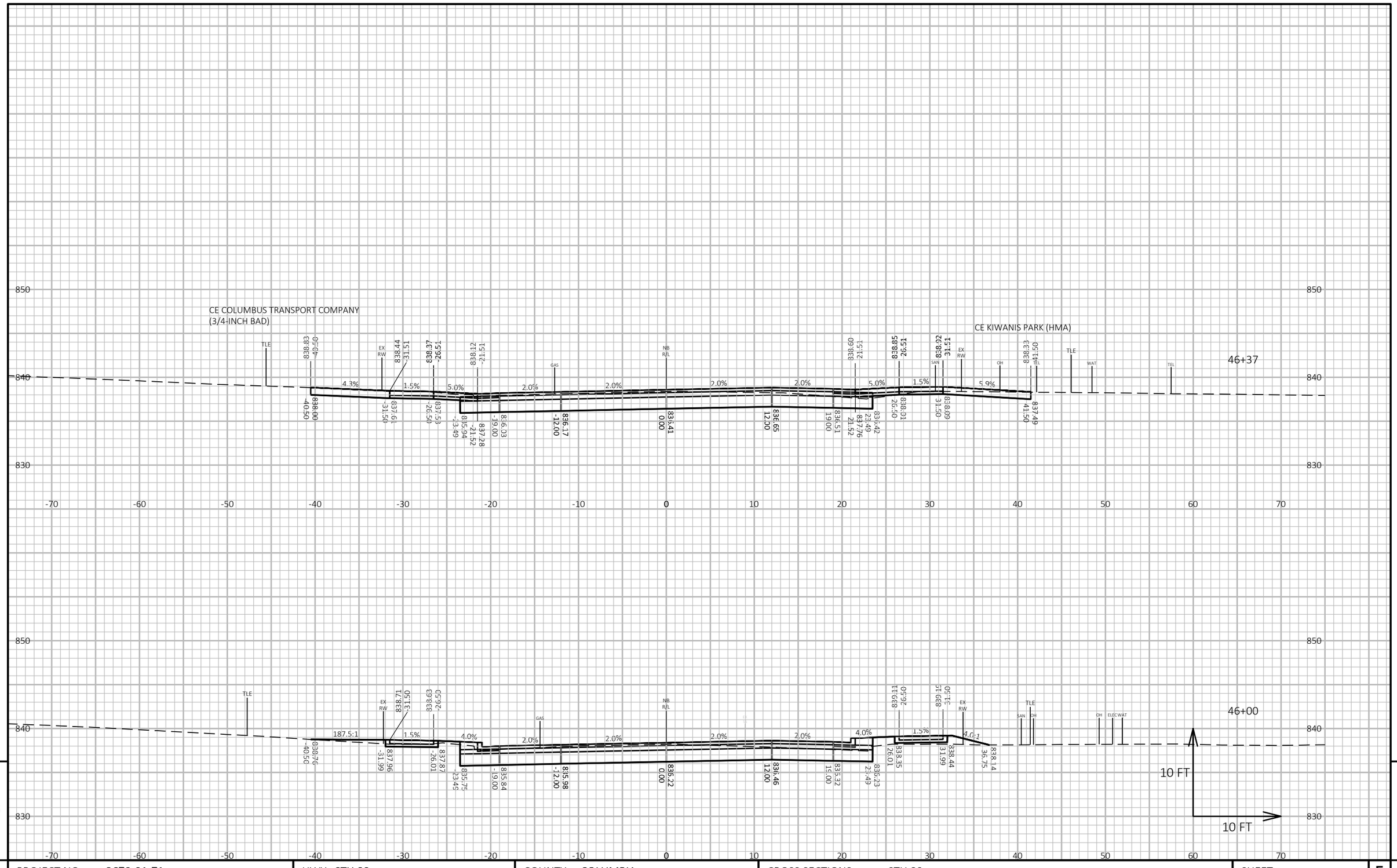
FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(100)

PLOT DATE : 8/26/2019 12:52 PM PLOT BY : PORTER, STEVEN J PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_265

WISDOT/CADDS SHEET 49



PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(101)

PLOT DATE : 8/26/2019 12:52 PM

PLOT BY : PORTER, STEVEN J

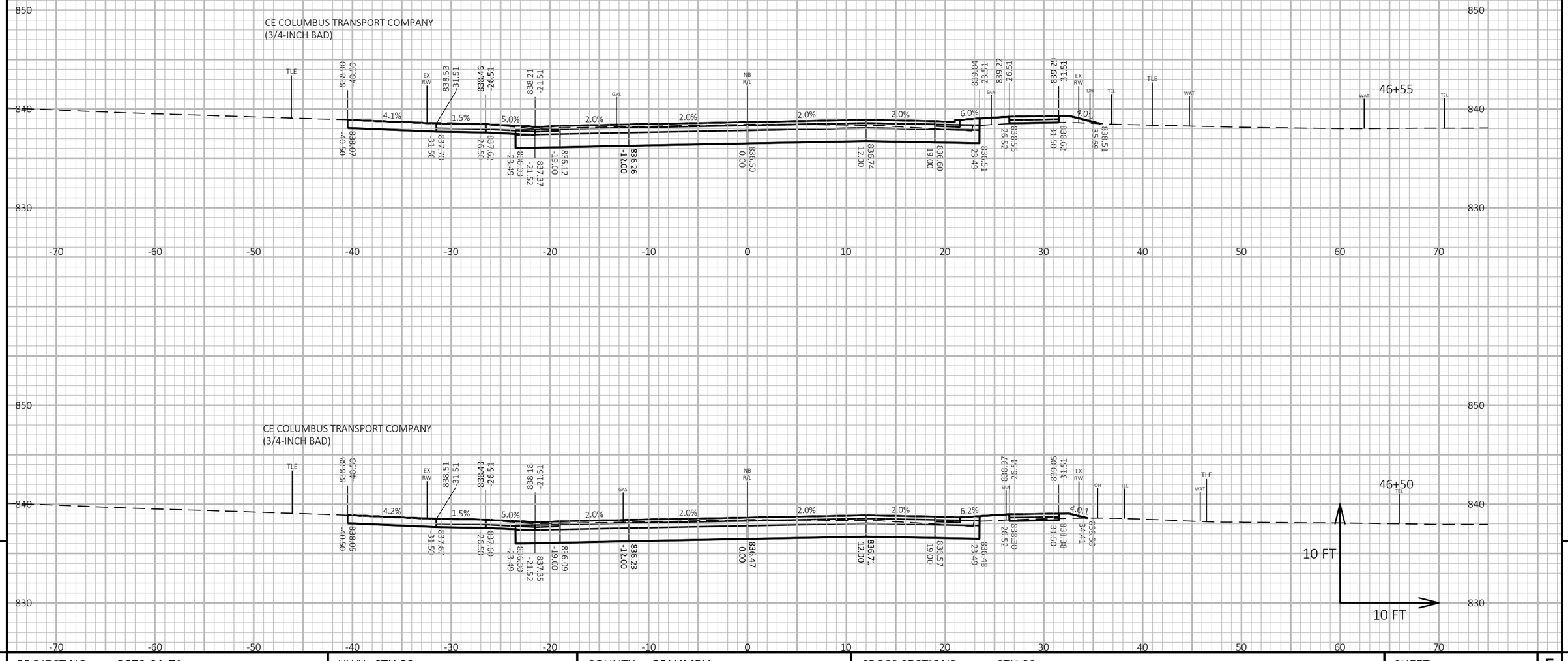
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_266

WISDOT/CADDS SHEET 49

CE COLUMBUS TRANSPORT COMPANY
(3/4-INCH BAD)



CE COLUMBUS TRANSPORT COMPANY
(3/4-INCH BAD)

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(102)

PLOT DATE : 8/26/2019 12:52 PM

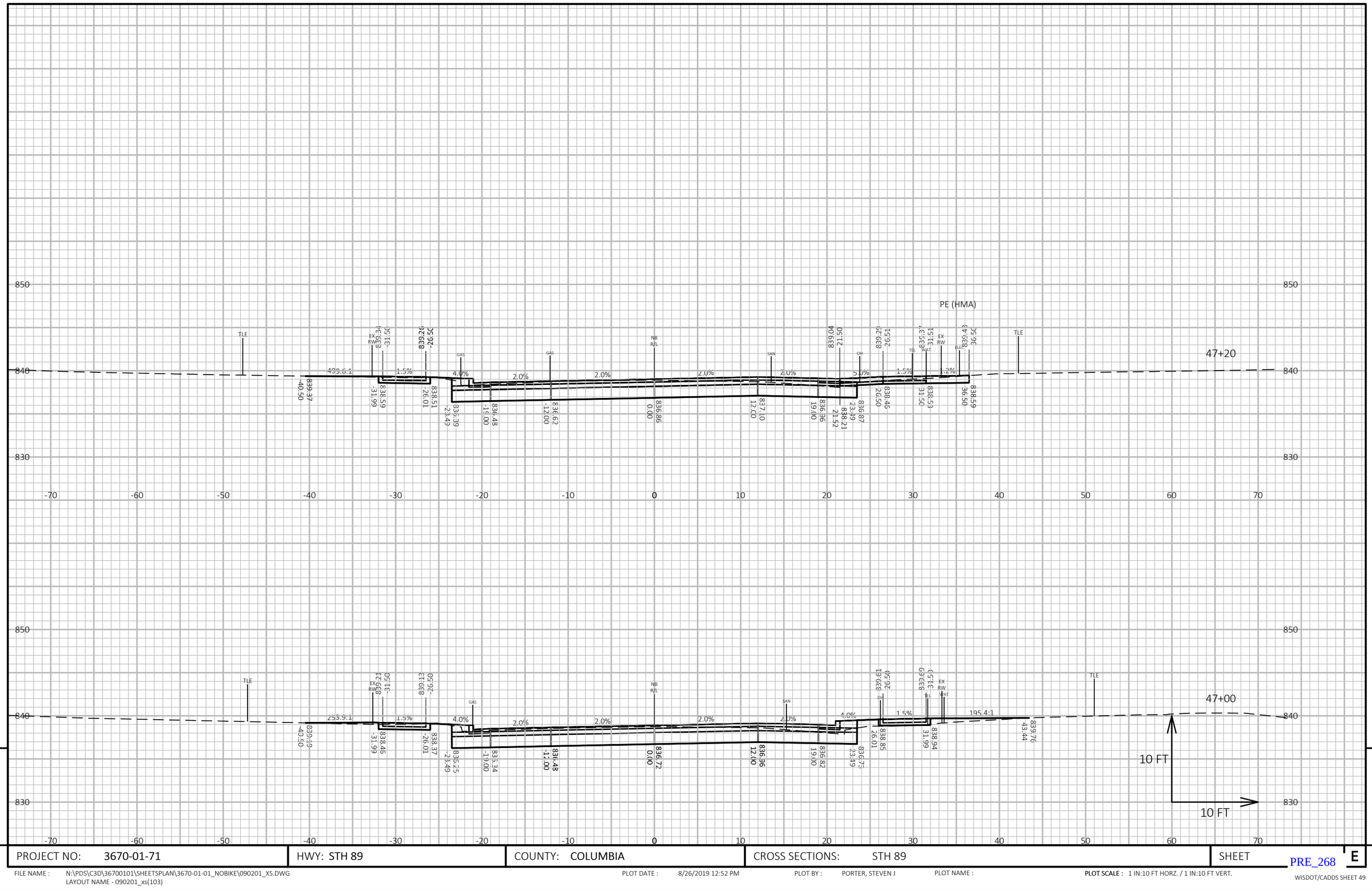
PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_267

WISDOT/CADDS SHEET 49



9 9

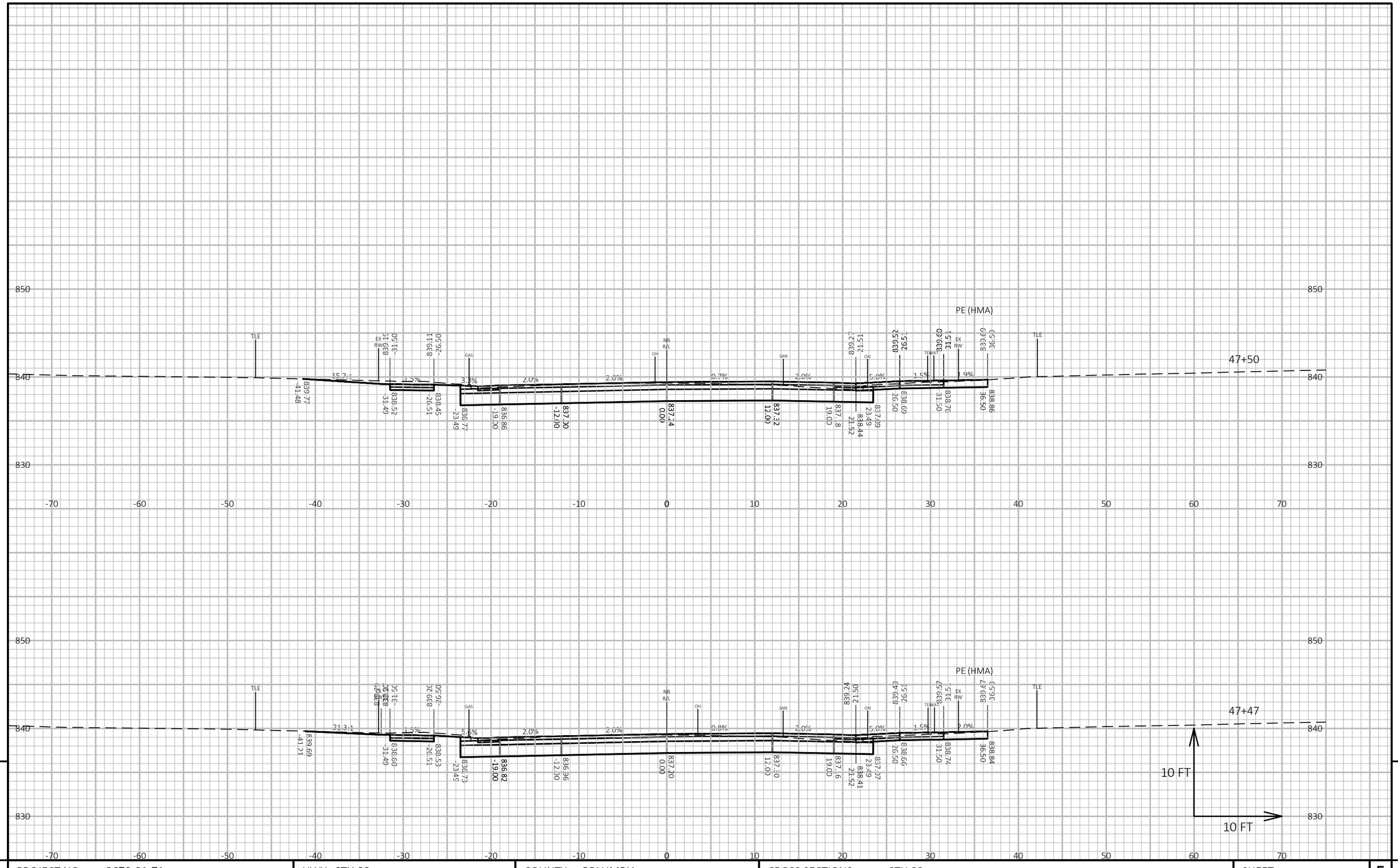
PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_268

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(103)

PLOT DATE : 8/26/2019 12:52 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_269

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(104)

PLOT DATE : 8/26/2019 12:53 PM

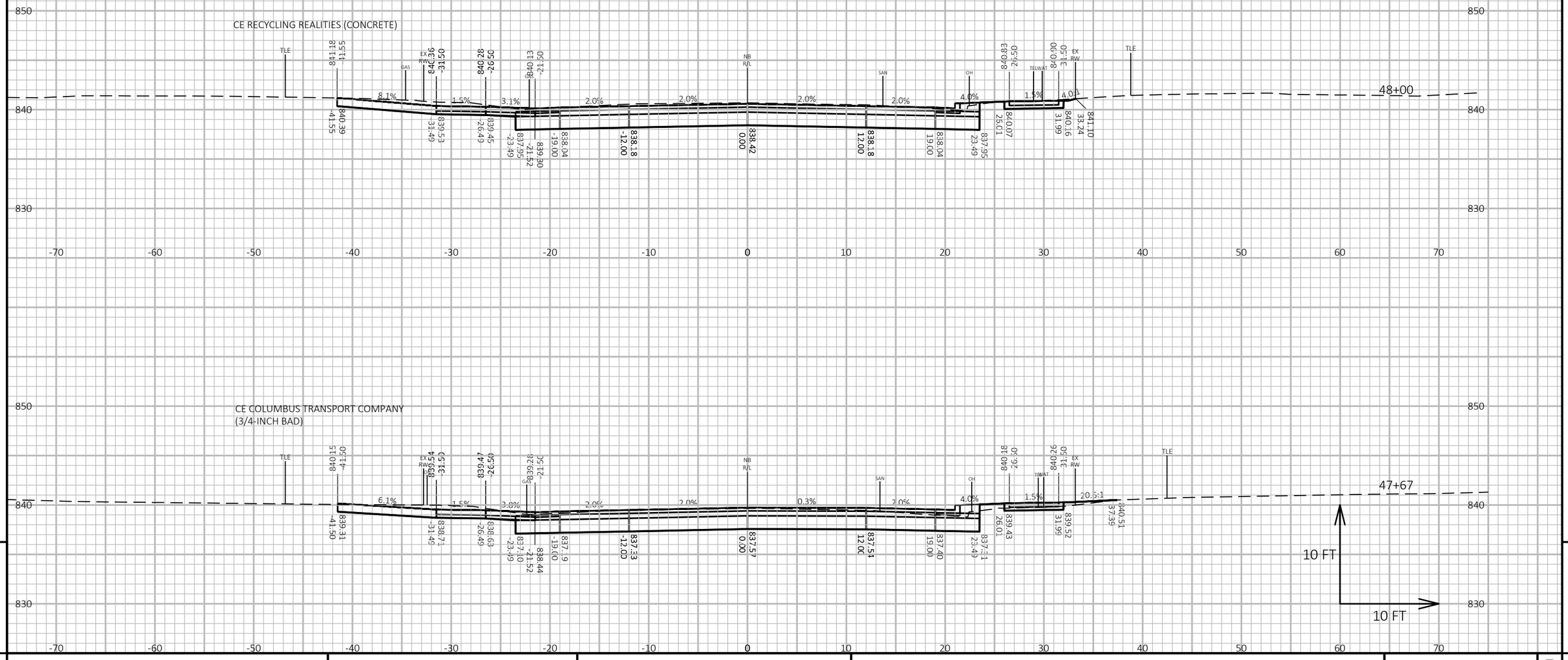
PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CE RECYCLING REALITIES (CONCRETE)



CE COLUMBUS TRANSPORT COMPANY
(3/4-INCH BAD)

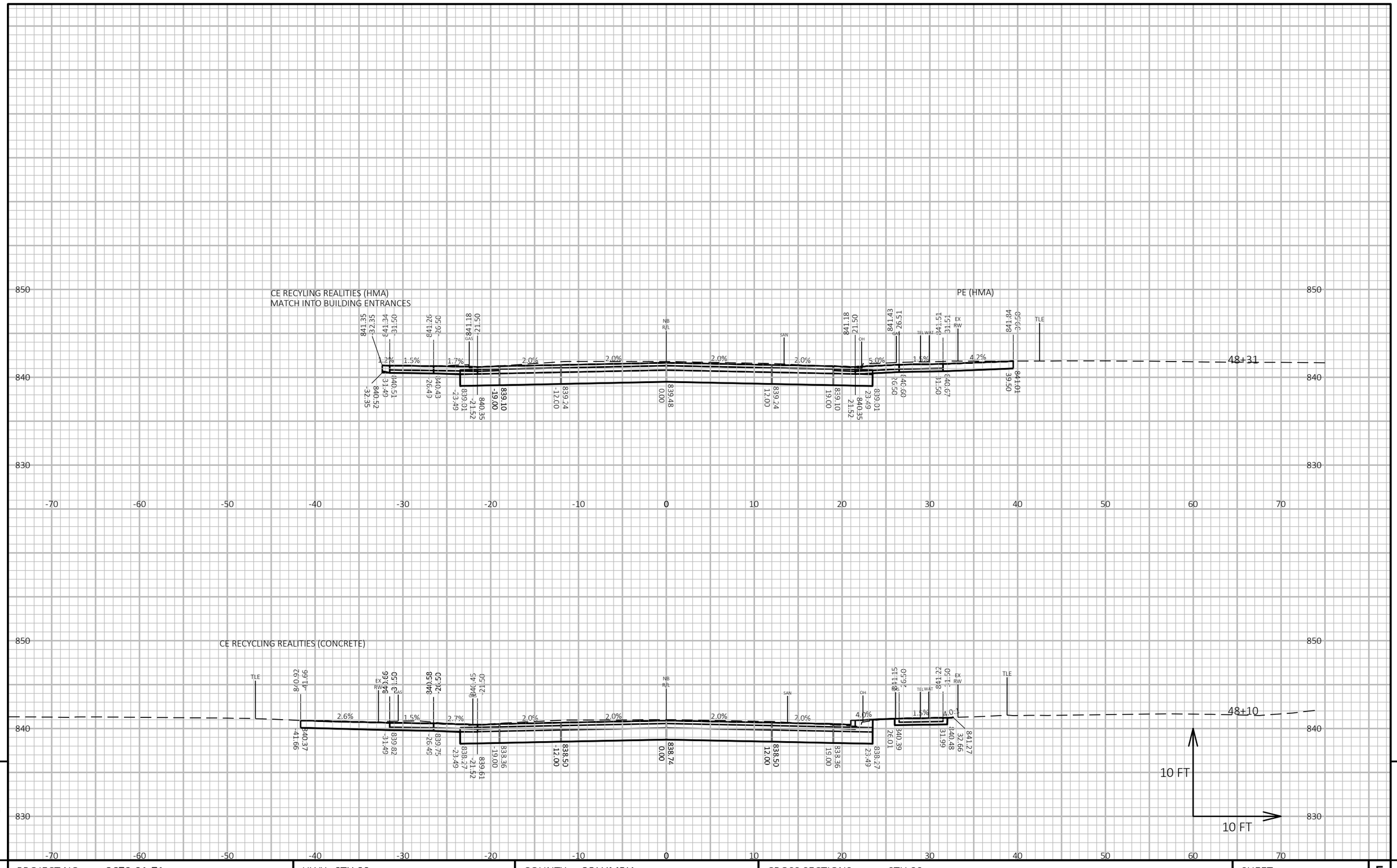
PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(105)

PLOT DATE : 8/26/2019 12:53 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_270

WISDOT/CADDS SHEET 49



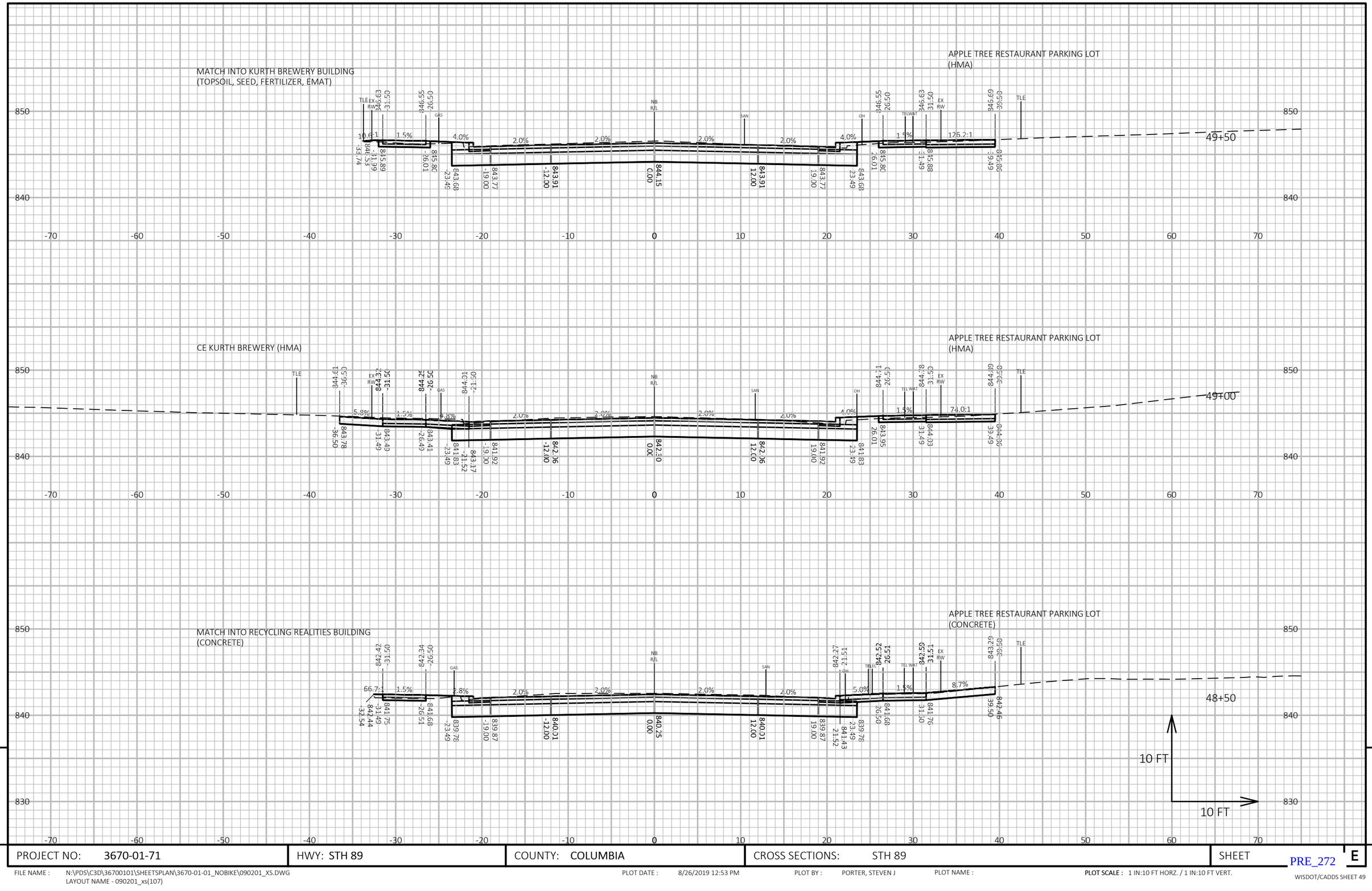
PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(106)

PLOT DATE : 8/26/2019 12:53 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_271

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3670-01-71	HWY: STH 89	COUNTY: COLUMBIA	CROSS SECTIONS: STH 89	SHEET E

PRE_272

FILE NAME : N:\PDS\C3D\36700101\SHEETSPLAN\3670-01-01_NOBIKE\090201_XS.DWG
LAYOUT NAME - 090201_xs(107)

PLOT DATE : 8/26/2019 12:53 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

WISCONSIN DEPARTMENT OF TRANSPORTATION

EPlans Preliminary Sheet Numbering Tool

This sheet: ftp://ftp.dot.state.wi.us/transp/roads/eplans/prelim_sheet_numbers.pdf

Notes

- Acrobat 5 or higher is required to use this tool.
- The Bureau of Highway Construction places sheet numbers in the final plan.
- This sheet is for placing preliminary sheet numbers with a “PRE_" prefix.
- If a plan contains multiple projects, number each plan individually.
- Leave this sheet in the plan.

TO ADD PRELIMINARY SHEET NUMBERS

1. Insert this sheet at the end of the plan

a. With the plan open in Acrobat, select Document > Insert Pages.
b. In the Select File to Insert dialog box, select this file (prelim_sheet_numbers.pdf)
c. In the Insert dialog box, choose After for Location and Last page for Page.
d. Click OK.

2. Click the Place Preliminary Sheet Numbers button

a. Go to the last sheet of the plan.
b. Click the Place Preliminary Sheet Numbers button once.
(The preliminary sheet number appears in the bottom right corner of the sheets.
The number should match te page number in the Acrobat Status bar).

3. Re-Save the PDF

a. Select File > Save As and save the PDF.

Place Preliminary Sheet Numbers

TO REMOVE PRELIMINARY SHEET NUMBERS

Remove