

COUNTY: **LA CROSSE**

PLAN OF PROPOSED IMPROVEMENT

(CTH 0 TO WOLTER ROAD)

LA CROSSE COUNTY

5436-00-71

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5436-00-71		

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

A.A.D.T. (2022)	=	4500
A.A.D.T. (2042)	=	6200
D.H.V.	=	626
D.D.	=	60/40
T.	=	5.5%
DESIGN SPEED	=	50 MPH
ESALS	=	3,500,000

PLAN
CORPORATE LIMITS
PROPERTY LINE
LOT LINE
LIMITED HIGHWAY EASEMENT
EXISTING RIGHT OF WAY
PROPOSED OR NEW R/W LINE

GRADE LINE
ORIGINAL GROUND
MARSH OR ROCK PROFILE
(To be noted as such)
SPECIAL DITCH

CULVERT (Profile View)
UTILITIES
ELECTRIC
FIBER OPTIC
GAS
SANITARY SEWER
STORM SEWER
TELEPHONE

WATER
UTILITY PEDESTAL
POWER POLE
TELEPHONE POLE

LAYOUT

SCALE 0 2 MILE

TOTAL NET LENGTH OF CENTERLINE = 0.834 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, LA CROSSE 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 REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD88 (2012).

ACCEPTED FOR

COUNTY of LA CROSSE

4/26/21 

(Date) (Signature & title of Official)

ORIGINAL PLANS PREPARED BY

AYRES

4/23/2021

WISCONSIN

MARK R. PETERSEN

E - 36785

EAU CLAIRE

WI

PROFESSIONAL ENGINEER

(Date)

(Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	<u>AYRES ASSOCIATES INC</u>
Designer	<u>AYRES ASSOCIATES INC</u>
Project Manager	<u>ALEIGHA BURG</u>
Regional Examiner	<u>SW REGION</u>
Regional Supervisor	<u>OSCAR WINGER</u>

APPROVED FOR THE DEPARTMENT

DATE: 4/26/2021 Aleigha Burg, P.E. Digitally signed by Aleigha Burg.
Date: 2021.04.26 09:23:56 -0500
(Signature)

FILE NAME : I:\41\410677\C3D\SHEETS\PLAN\010101_TI.DWG
LAYOUT NAME - 010101_TI

PLOT DATE : 2/18/2021 2:34 PM

PLOT BY : RESHESKE, CARRIE PLOT NAME :

WISDOT/CADDS SHEET 10

GENERAL NOTES

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

SHRINKAGE OF EARTHWORK IS VARIABLE. AN AVERAGE FACTOR FOR EXCAVATION COMMON IS 30%.

REMOVAL OF ASPHALTIC SURFACES (TO BE PAID FOR AS EXCAVATION COMMON) WHERE AN ABUTTING ASPHALTIC SURFACE IS TO REMAIN IN PLACE SHALL REQUIRE A SAWCUT MEETING THE APPROVAL OF THE ENGINEER IN THE FIELD.

WHEN THE QUANTITY OF BASE AGGREGATE DENSE OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD THE DEPTH OF THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

HMA PAVEMENT QUANTITIES WERE CALCULATED USING 112 LB/SY/IN.

ASPHALTIC SURFACE QUANTITIES WERE CALCULATED USING 112 LB/SY/IN. 6-INCH OF ASPHALTIC SURFACE SHALL BE CONSTRUCTED WITH A 2.5-INCH UPPER LAYER AND A 3.5-INCH LOWER LAYER.

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

APPLY TACK COAT AT A RATE OF 0.07 GAL/SY TO THE MILLED SURFACE AND AT A RATE OF 0.05 GAL/SY BETWEEN LAYERS OF HMA PAVEMENT.

THE EXACT LOCATION AND WIDTH OF DRIVEWAY ENTRANCES WILL BE DETERMINED IN THE FIELD BY THE ENGINEER. ALL DRIVEWAYS ARE TO BE REPLACED IN KIND UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE PLANS.

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

INSTALL SEED, EROSION MAT, MULCH AND FERTILIZE ALL SALVAGED TOPSOILED AREAS WITHIN 7 WORKING DAYS AFTER GRADING WORK IS COMPLETED.

SEED MIXTURE NO.20 SHALL BE USED THROUGHOUT THE PROJECT, EXCEPT LAWN AREA WHERE NO.40 SHALL BE USED.

EROSION CONTROL MEASURES WILL BE PLACED AS SHOWN ON THE EROSION CONTROL PLAN. THE EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.

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

STATIONING, DISTANCES, AND OFFSETS FOR SIGNS SHOWN IN THE PLANS ARE APPROXIMATE AND THE FINAL LOCATION OF SIGNS ARE TO BE DETERMINED BY THE ENGINEER.

CURB AND GUTTER ELEVATIONS ARE ALONG THE FLANGE LINE UNLESS OTHERWISE NOTED.

RADIUS POINTS, UNLESS OTHERWISE NOTED, ARE TO FLANGE LINE OF CURB.

UTILITY CONTACTS

LUMEN
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LA CROSSE, WI 54602
ATTN:BRIAN STELPLUGH
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Brian.stelplugh@lumen.com

SPECTRUM
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ONALASKA, WI 54650
ATTN: PERRY MCCLELLAN
PHONE: 608-668-2093
MOBILE: 608-317-6213
715-370-7140
perry.mcclellan@charter.com

MIDWEST NATURAL GAS
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LA CROSSE, WI 54602
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MOBILE: 608-780-0210
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XCEL ENERGY - ELECTRIC
3215 COMMERCE STREET
LA CROSSE, WI 54603
ATTN: JASON MCROBERTS
PHONE: 715-789-3689
MOBILE: 715-577-1132
Jason.l.mcroberts@xcelenergy.com

* DENOTES UTILITIES ARE NOT
DIGGERS HOTLINE MEMBERS



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

DESIGN CONTACT

AYRES ASSOCIATES
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ATTN: ERIC SORENSEN, PE
715-834-3161
sorensene@ayresassociates.com

COUNTY CONTACT

LA CROSSE COUNTY HIGHWAY DEPARTMENT
301 CARLSON ROAD
WEST SALEM, WI 54669
ATTN: RON CHAMBERLAIN
608-786-3810
rchamberlain@lacrossecounty.com

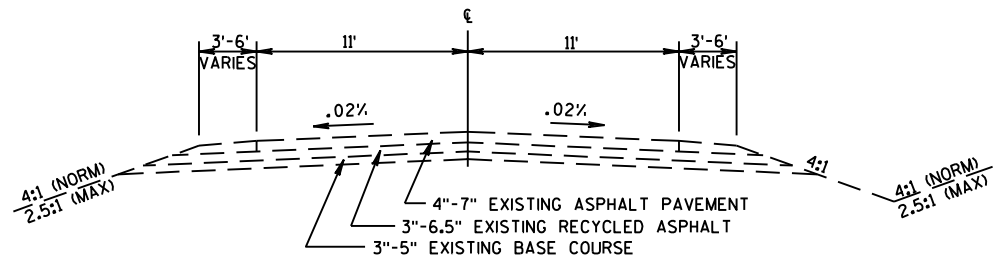
ENVIRONMENTAL COORDINATOR

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
LA CROSSE SERVICE CENTER
3550 MORMON COULEE ROAD
LA CROSSE, WI 54601
ATTN: KAREN KALVELAGE
608-785-9115
karen.kalvelage@wisconsin.gov

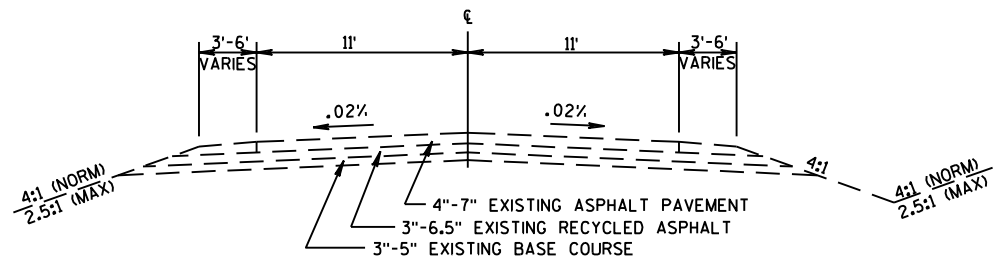
ORDER OF SECTION 2 SHEETS

TYPICAL SECTIONS
CONSTRUCTION DETAILS
INTERSECTIONS
EROSION CONTROL
STORM SEWER
SIGNING AND PAVEMENT MARKING
TRAFFIC CONTROL AND DETOUR

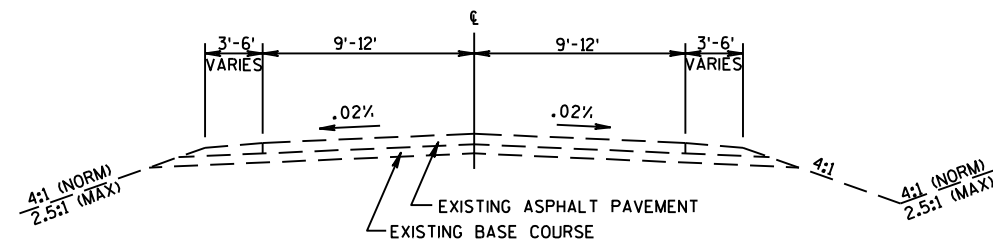
DEPTH OF EXISTING PAVEMENT STRUCTURE PER BORINGS		
STATION	DEPTH OF EXISTING HMA	DEPTH OF RECYCLED HMA
20+55	5"	4"
36+40	7"	5"



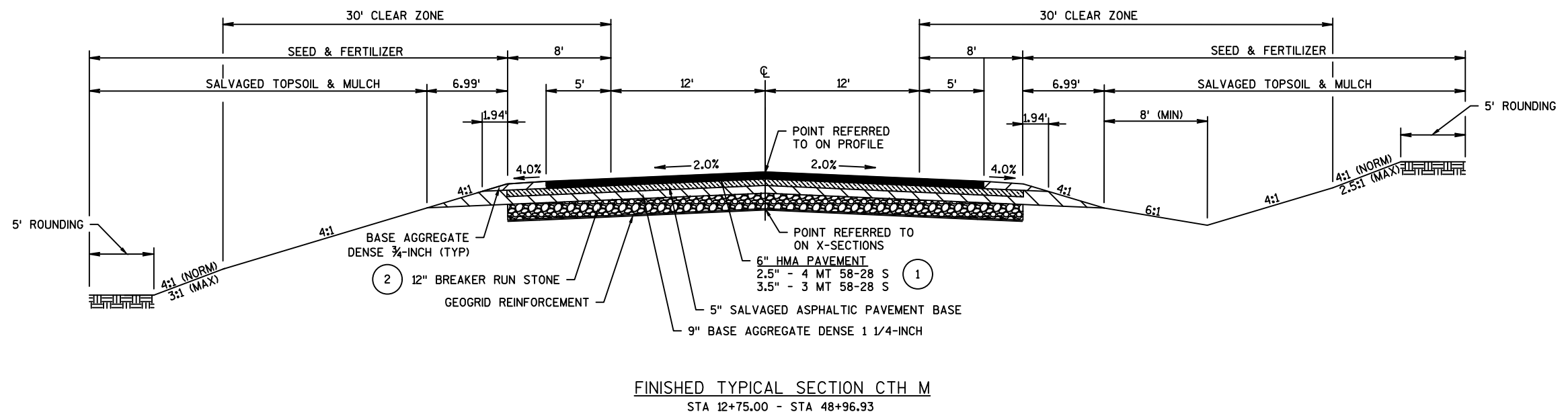
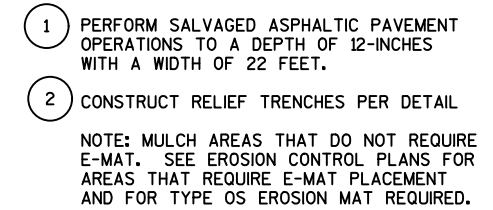
EXISTING TYPICAL SECTION CTH M

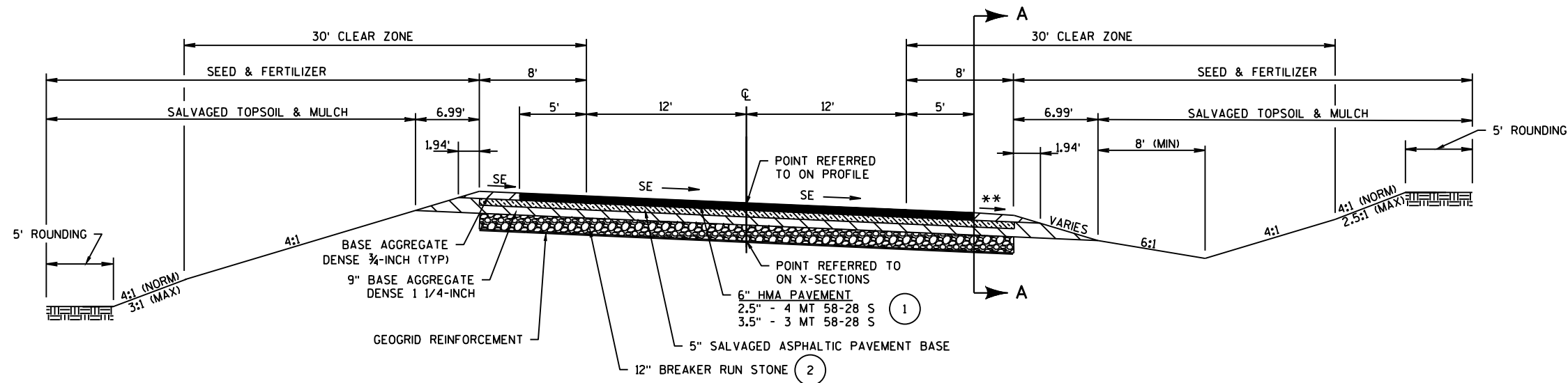


EXISTING TYPICAL SECTION CTH O



EXISTING TYPICAL SECTION SIDEROADS



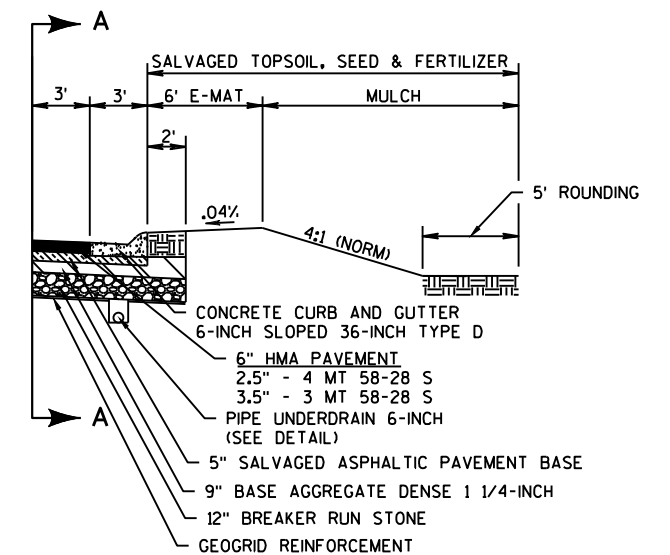


FINISHED SUPERELEVATED TYPICAL SECTION CTH M
STA 48+96.93 - STA 54+05.00

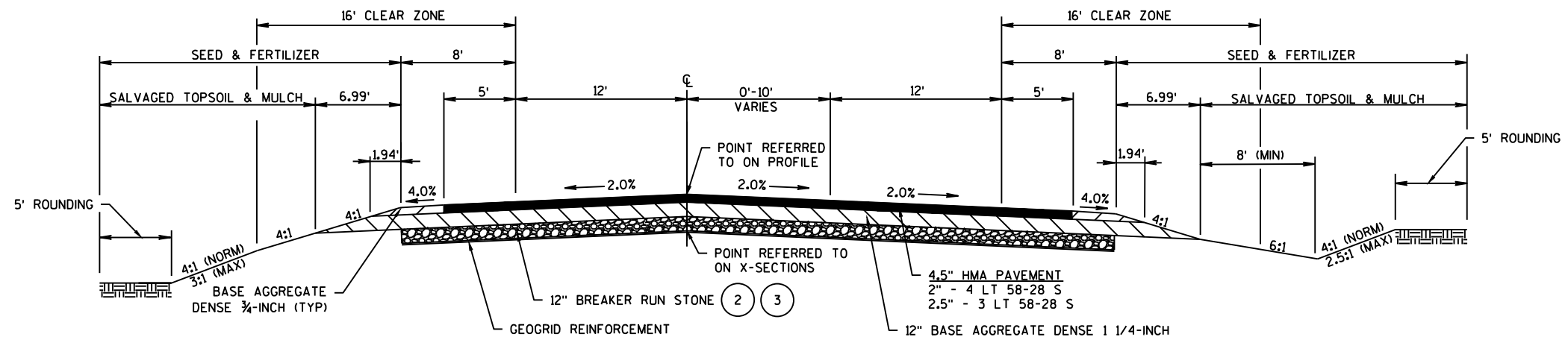
- 1 PERFORM SALVAGED ASPHALTIC PAVEMENT OPERATIONS TO A DEPTH OF 12-INCHES WITH A WIDTH OF 22 FEET.
- 2 CONSTRUCT RELIEF TRENCHES PER DETAIL
- 3 END BREAKER RUN STONE AT 217+50

NOTE: MULCH AREAS THAT DO NOT REQUIRE E-MAT. SEE EROSION CONTROL PLANS FOR AREAS THAT REQUIRE E-MAT PLACEMENT AND FOR TYPE OF EROSION MAT REQUIRED.

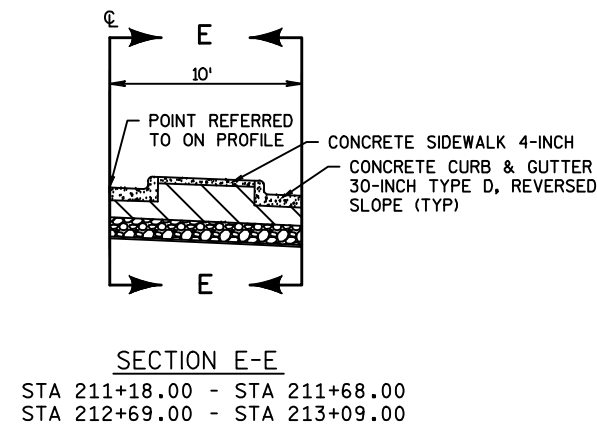
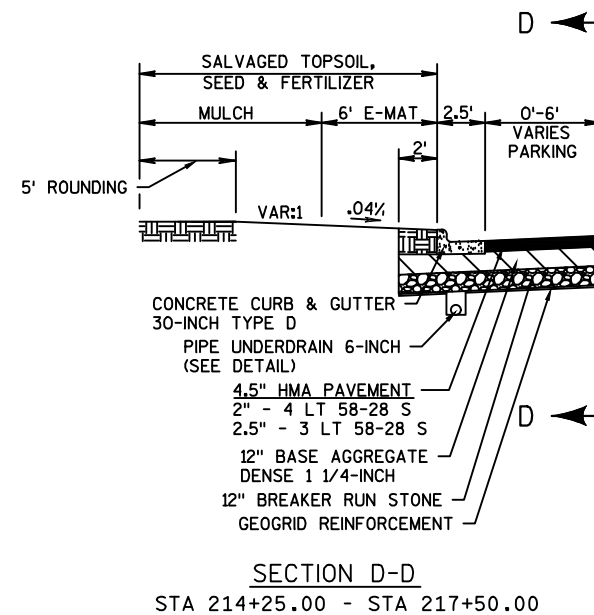
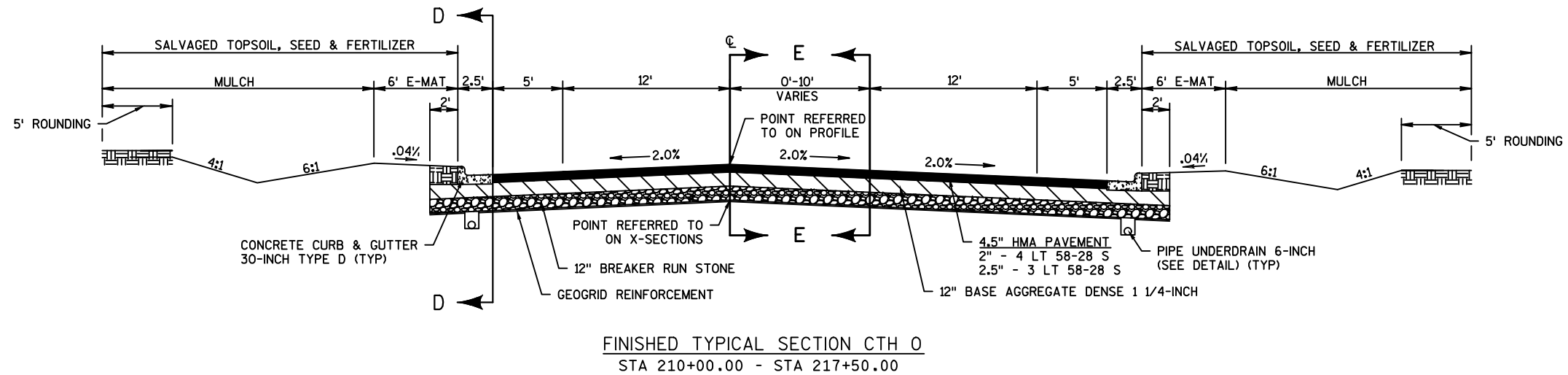
** THE LOW SIDE SHOULDER SLOPE ON SUPERELEVATED SECTION EQUALS THE SUPERELEVATION RATE WHEN THE SUPERELEVATION RATE IS GREATER THAN 4%. IF THE SUPERELEVATION RATE IS LESS THAN OR EQUAL TO 4%, THE LOW SIDE SHOULDER SLOPE IS 4%. HIGH SIDE SHOULDER SLOPE ON SUPERELEVATED SECTIONS EQUALS THE SUPERELEVATION RATE.



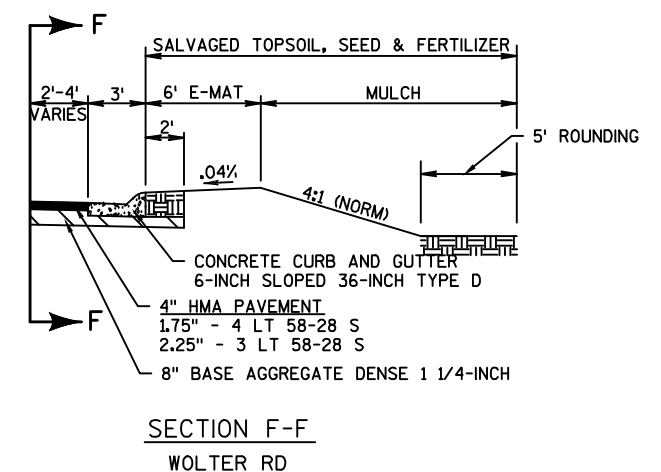
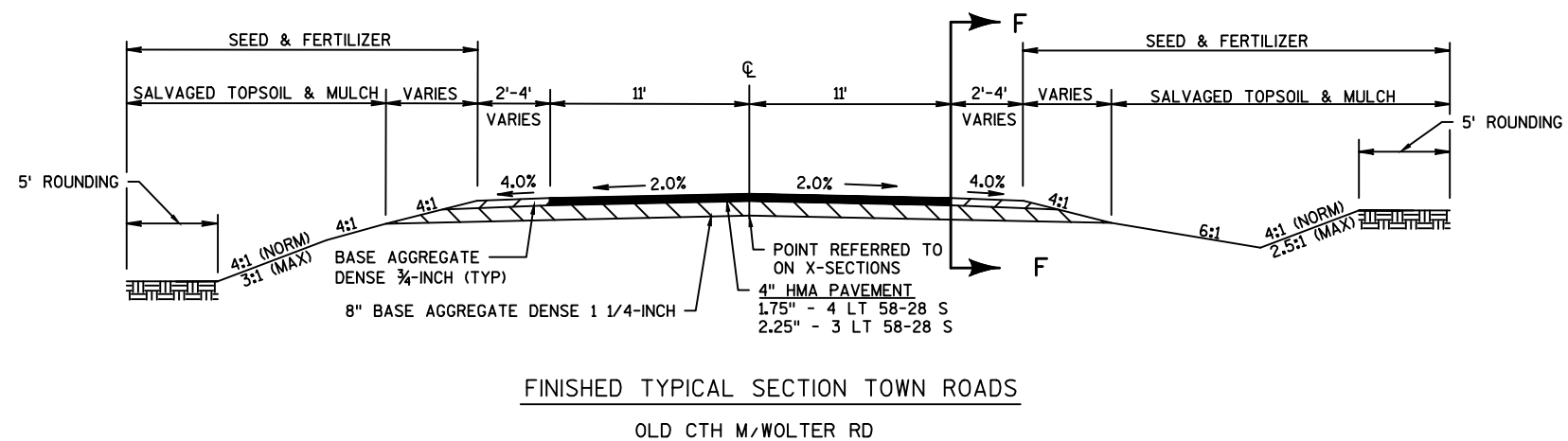
SECTION A-A
STA 49+50.00 - STA 53+60.00

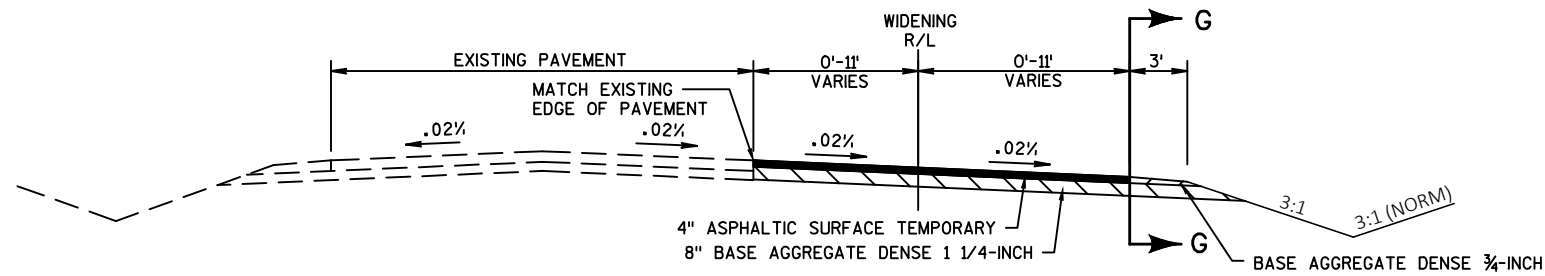


FINISHED TYPICAL SECTION CTH O
STA 206+00.00 - STA 210+00.00
STA 217+50.00 - STA 218+30.00

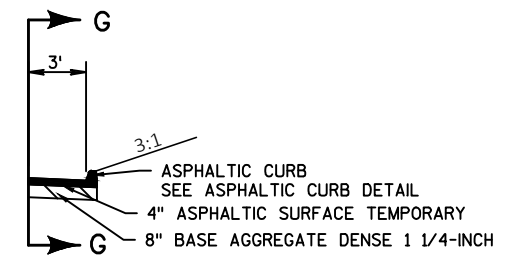


NOTE: MULCH AREAS THAT DO NOT REQUIRE E-MAT. SEE EROSION CONTROL PLANS FOR AREAS THAT REQUIRE E-MAT PLACEMENT AND FOR TYPE OF EROSION MAT REQUIRED.





WIDENING TYPICAL SECTION - CTH O
STA 404+50.00 - STA 419+49.00



SECTION G-G
STA 416+50.00 - STA 418+32.00

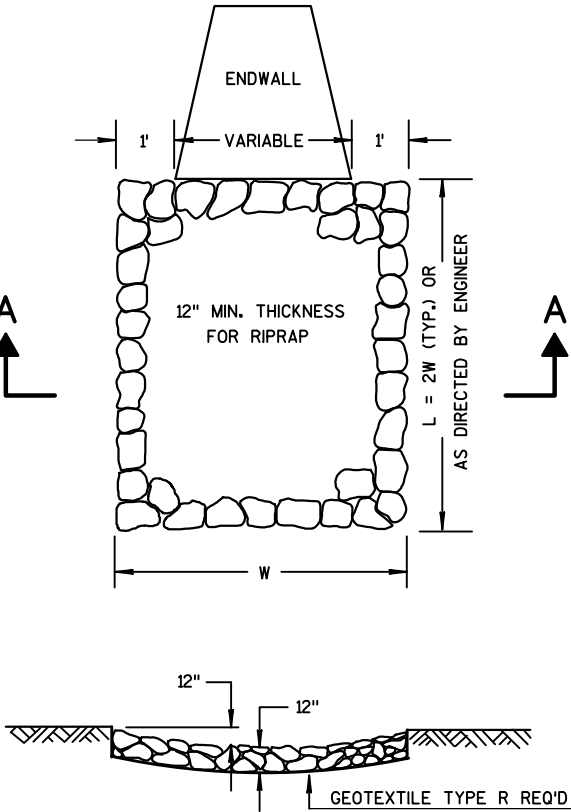
SUPERELEVATION TABLE - CTH M

Station	Description	LEFT SHLD	LEFT LANE	RIGHT LANE	RIGHT SHLD
9+94.53	Begin Alignment	-4.00%	-2.00%	-2.00%	-4.00%
48+98.08	End Normal Shoulder	-4.00%	-2.00%	-2.00%	-4.00%
48+98.08	End Normal Crown	-2.00%	-2.00%	-2.00%	-4.00%
49+46.08	Level Crown	0.00%	0.00%	-2.00%	-4.00%
49+94.08	Reverse Crown	2.00%	2.00%	-2.00%	-4.00%
50+42.08	Low Shoulder Match	4.00%	4.00%	-4.00%	-4.00%
50+54.08	Begin Full Super	4.50%	4.50%	-4.50%	-4.50%
61+73.05	End Full Super	4.50%	4.50%	-4.50%	-4.50%

RUNOFF COEFFICIENT TABLE

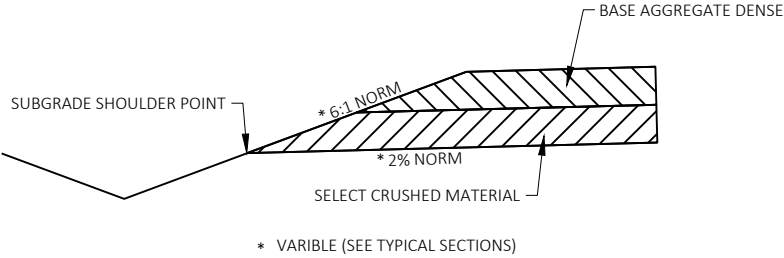
	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL PROJECT AREA = 14.603 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 12.056 ACRES

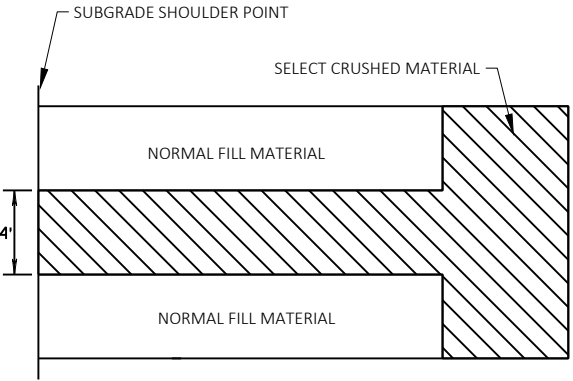


SECTION A-A

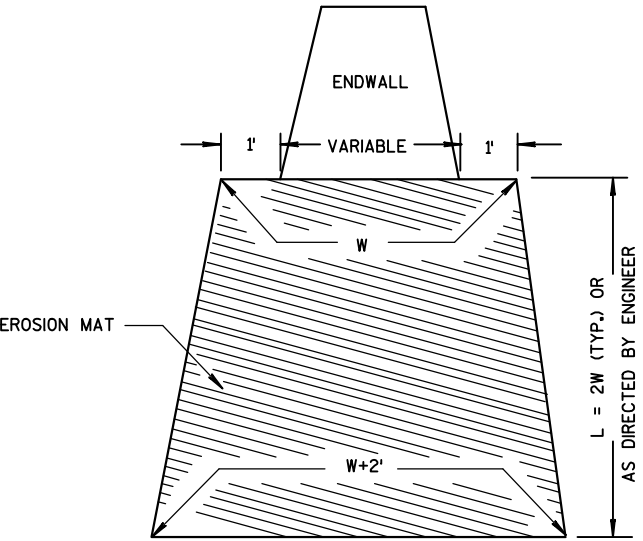
RIPRAP TREATMENT AT CULVERTS



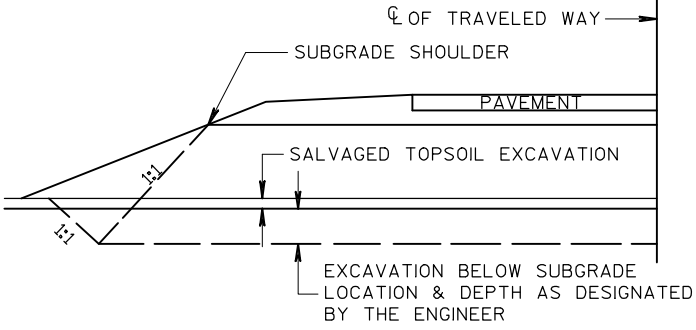
RELIEF TRENCH DETAIL PROFILE VIEW



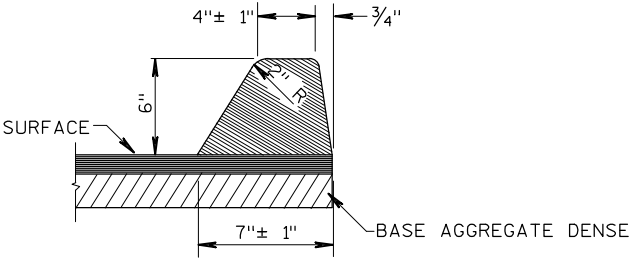
RELIEF TRENCH DETAIL PLAN VIEW



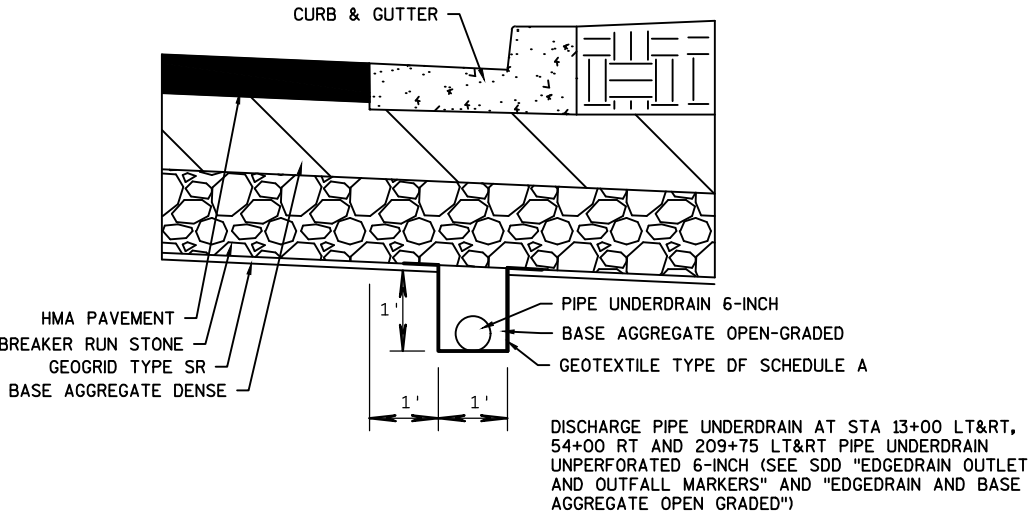
EROSION MAT TREATMENT AT CULVERTS



DETAIL FOR EXCAVATION BELOW SUBGRADE

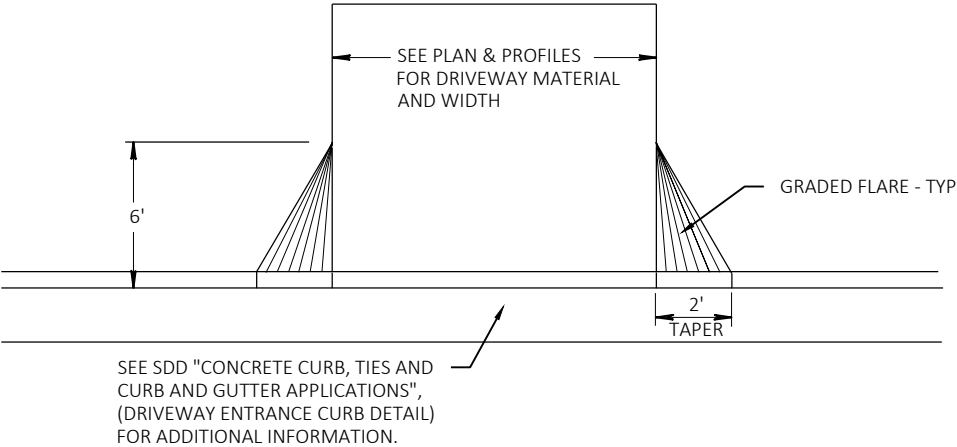
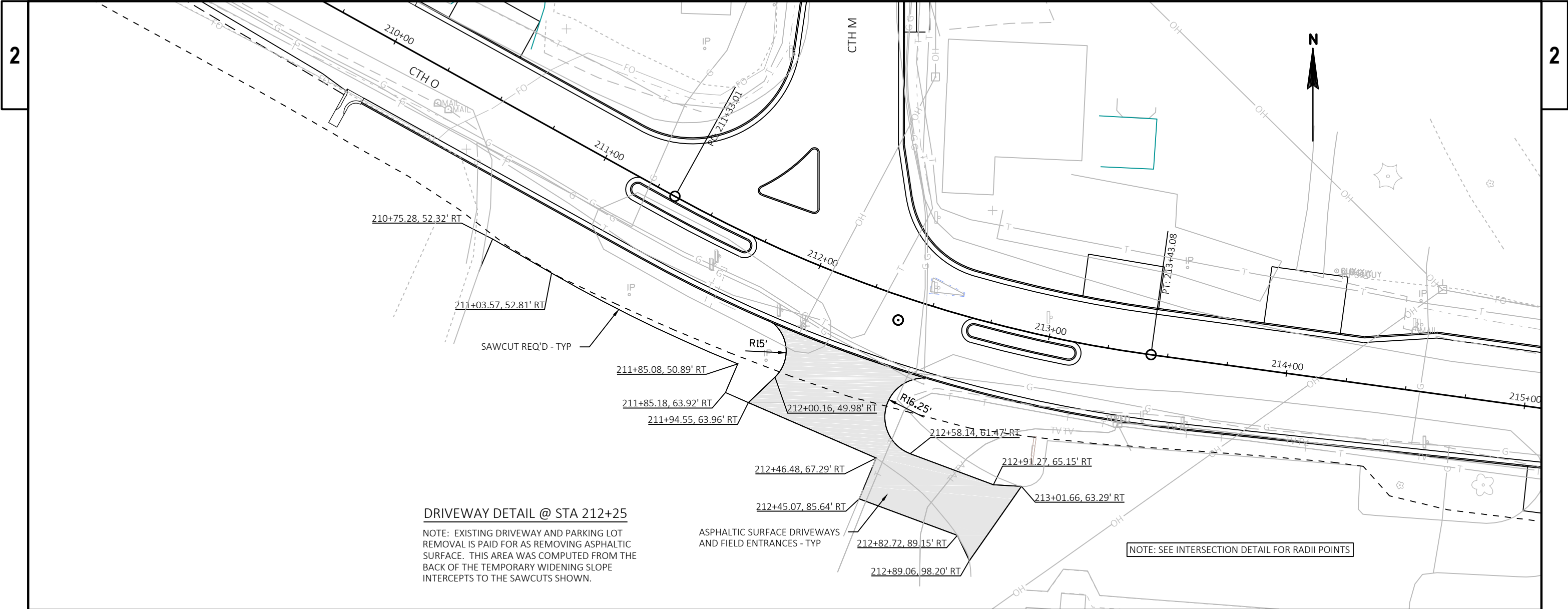


ASPHALTIC CURB DETAIL



TYPICAL SECTION FOR PIPE UNDERDRAIN

TO BE PLACE IN LOCATIONS OF CONCRETE CURB AND GUTTER 30-INCH TYPE D. SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS.



PRIVATE AND COMMERCIAL ENTRANCES W/CURB & GUTTER

ISLAND ELEVATION POINTS			
POINT	Y	X	ELEVATION
50	141506.32	483516.17	753.50
51	141510.01	483515.98	753.00
52	141525.34	483536.68	752.59
53	141523.99	483540.15	752.69
54	141500.65	483540.13	753.22
55	141498.77	483537.47	753.72
56	141504.33	483462.19	752.98
57	141513.08	483467.04	753.18
58	141511.13	483460.24	753.00
59	141480.80	483506.91	753.66

ISLAND ELEVATION POINTS			
POINT	Y	X	ELEVATION
60	141483.16	483513.58	753.83
61	141489.83	483511.21	753.86
62	141445.04	483603.21	754.56
63	141451.18	483599.70	754.63
64	141454.69	483605.84	754.76
65	141435.66	483643.09	754.85
66	141439.56	483649.01	754.98
67	141445.45	483645.11	755.05

ASPHALTIC FLUME REQ'D
12+75.00, -17.00' LT
STA 12+63
CONSTRUCT PE
(13' ASPHALT)
SAWCUT REQ'D

ASPHALTIC FLUME REQ'D
12+75.00, 17.00' RT

STA 12+23
CONSTRUCT PE
(5'x23' ASPHALT
& 23' GRAVEL)

PIPE UNDERDRAIN 6-INCH

PIPE UNDERDRAIN 6-INCH

11+40.61, -17.00' LT

STA 11+12
CONSTRUCT PE
(5'x14' ASPHALT
& 14' GRAVEL)

10+50.78, 17.00' RT

CONCRETE CURB TYPE D (TYP)
CONCRETE SIDEWALK 4-INCH

STA 213+28
CONSTRUCT CE
(32' ASPHALT)
SAWCUT REQ'D

CONCRETE CURB & GUTTER
30-INCH TYPE D, REVERSE SLOPE
CONCRETE CURB & GUTTER
30-INCH TYPE D

STA 214+04
CONSTRUCT CE
(32' ASPHALT)
SAWCUT REQ'D

214+30.00, -17.00' LT
214+60.00, -23.00' LT

BP STA = 310+00.00
Y = 141546.68
X = 483350.69

PI STA = 312+53.62
Y = 141423.75
X = 483572.53
DELTA = 22°54'38"
D = 9°37'46"
T = 120.57'
L = 237.92'
R = 595.00'
PC STA = 311+33.05
Y = 141482.19
X = 483467.07
PT STA = 313+70.97
Y = 141410.98
X = 483692.42
BK = S61°00'28"E
AH = S83°55'05"E

SEE CONSTRUCTION DETAIL
"DRIVEWAY DETAIL @ STA 212+25"
FOR ADDITIONAL LAYOUT INFORMATION.

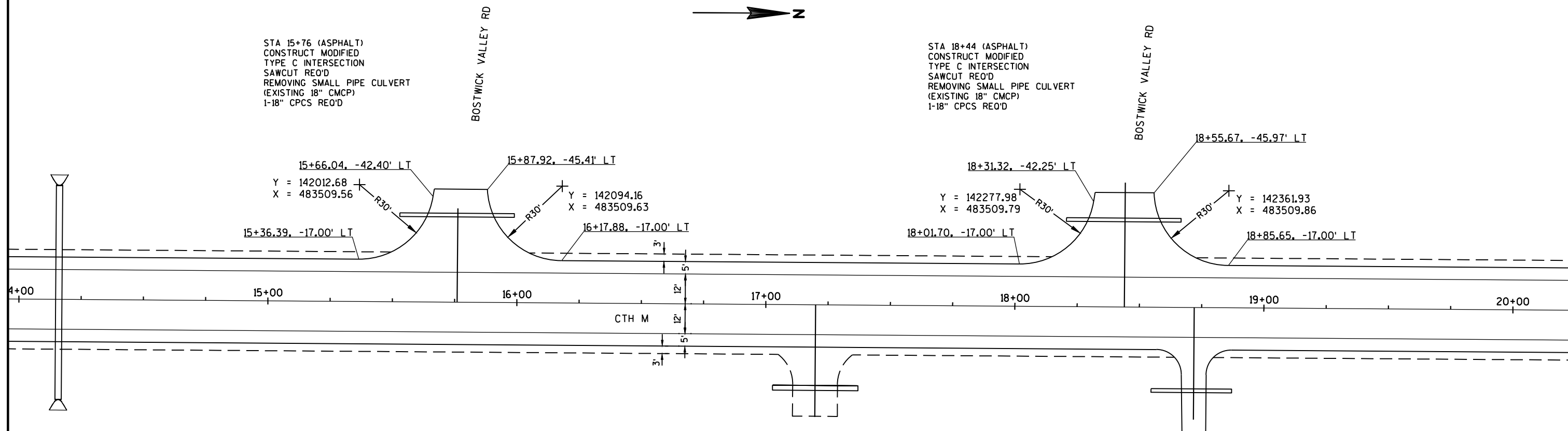
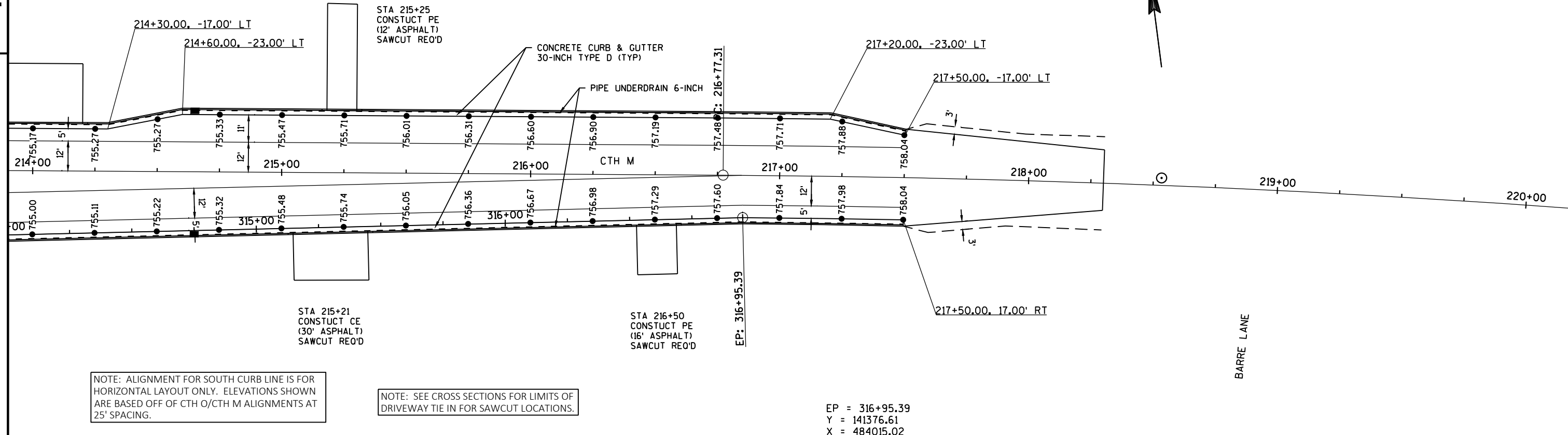
STA 9+94.53, CTH M =
STA 212+16.77, CTH O

STA 212+25
CONSTRUCT CE
(46' ASPHALT)
SAWCUT REQ'D

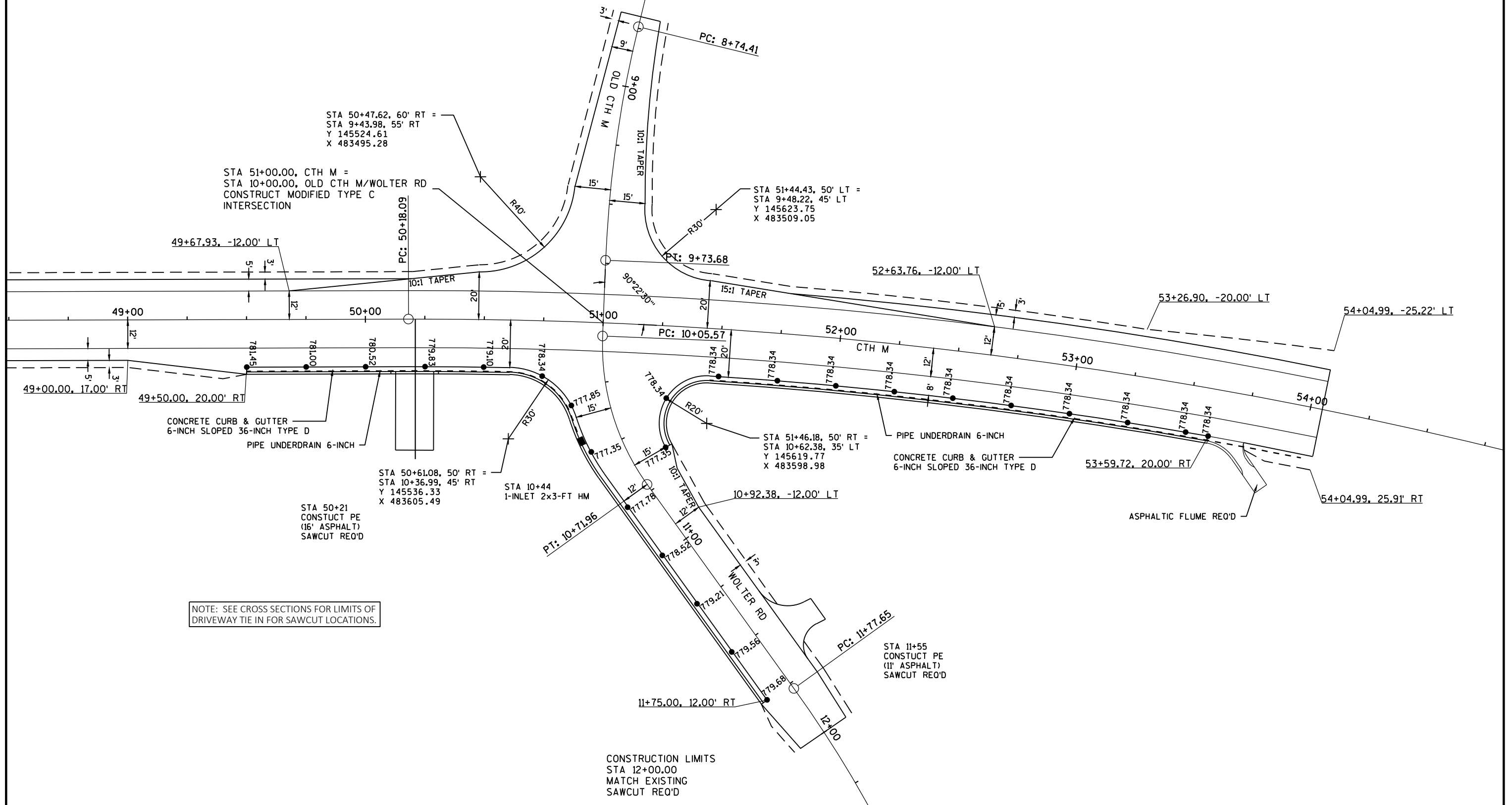
NOTE: ALIGNMENT FOR SOUTH CURB LINE IS FOR
HORIZONTAL LAYOUT ONLY. ELEVATIONS SHOWN
ARE BASED OFF OF CTH O/CTH M ALIGNMENTS AT
25' SPACING.

NOTE: SEE CROSS SECTIONS FOR LIMITS OF
DRIVEWAY TIE IN FOR SAWCUT LOCATIONS.

STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
1	10+32.39	91.5 LT	211+18.05	5.0 RT	141508.71	483464.61	5.0'
2	10+09.03	47.1 LT	211+67.98	5.0 RT	141485.31	483509.06	5.0'
3	10+96.39	68.8 LT	211+06.94	62.0 LT	141572.69	483487.37	45.0'
4	10+31.92	39.3 LT	211+65.07	19.0 LT	141508.20	483516.84	2.0'
5	10+47.73	18.0 LT	211+78.40	42.3 LT	141523.99	483538.15	2.0'
6	10+24.40	18.0 LT	211+88.39	21.0 LT	141500.66	483538.13	2.0'
7	10+34.85	59.9 RT	212+63.46	57.0 LT	141511.04	483616.00	40.0'
8			211+87.45	44.0 RT	141441.41	483511.39	15.0'
9			212+59.20	45.3 RT	141413.93	483583.68	16.25'
10			212+69.06	5.0 RT	141449.87	483604.52	5.0'
11			213+09.38	5.0 RT	141440.55	483644.11	5.0'
12	10+94.21	69.0 LT	211+07.85	60.0 LT	141570.51	483487.19	67.0'
13			206+74.55	12.0 RT	141717.54	483073.30	



CONSTRUCTION LIMITS
STA 8+70.00
MATCH EXISTING
SAWCUT REQ'D



PROJECT NO:5436-00-71

HWY:CTH M

COUNTY:LA CROSSE

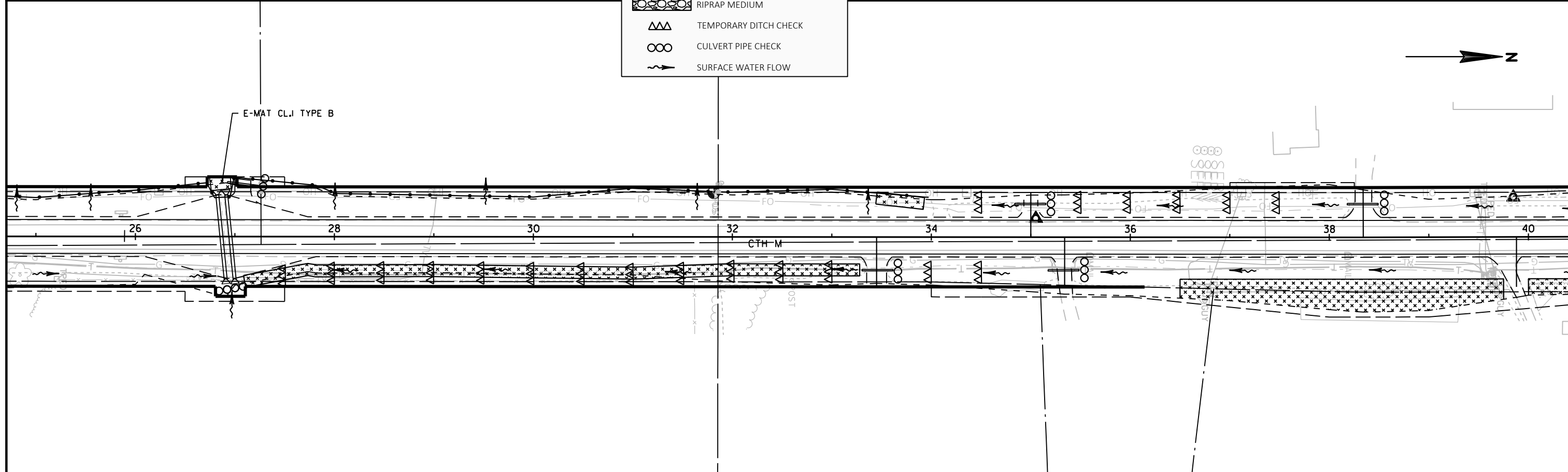
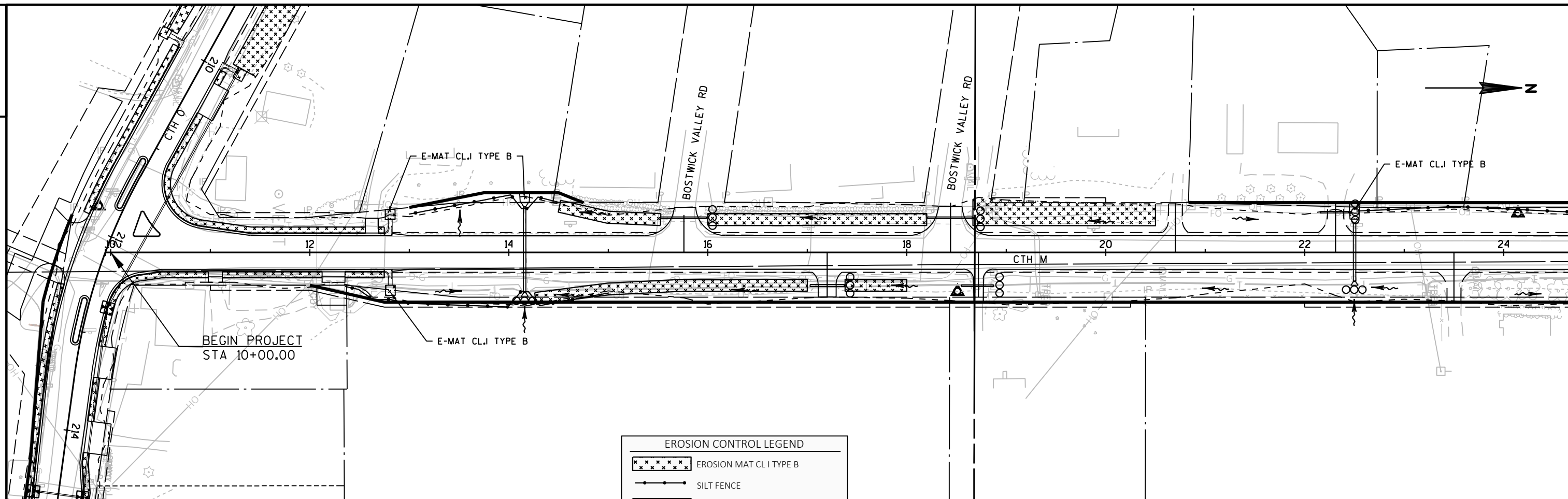
INTERSECTION DETAIL

SHEET

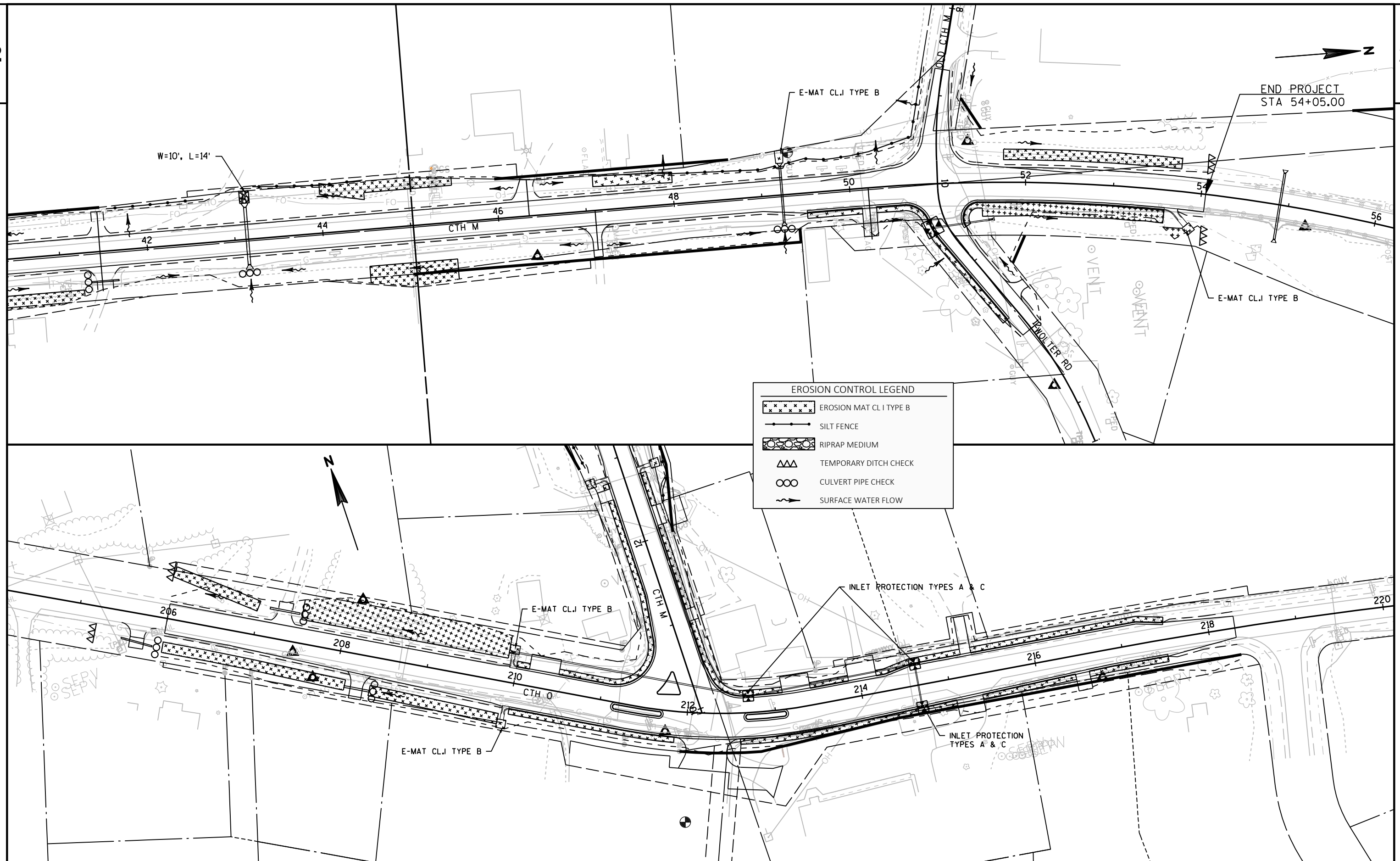
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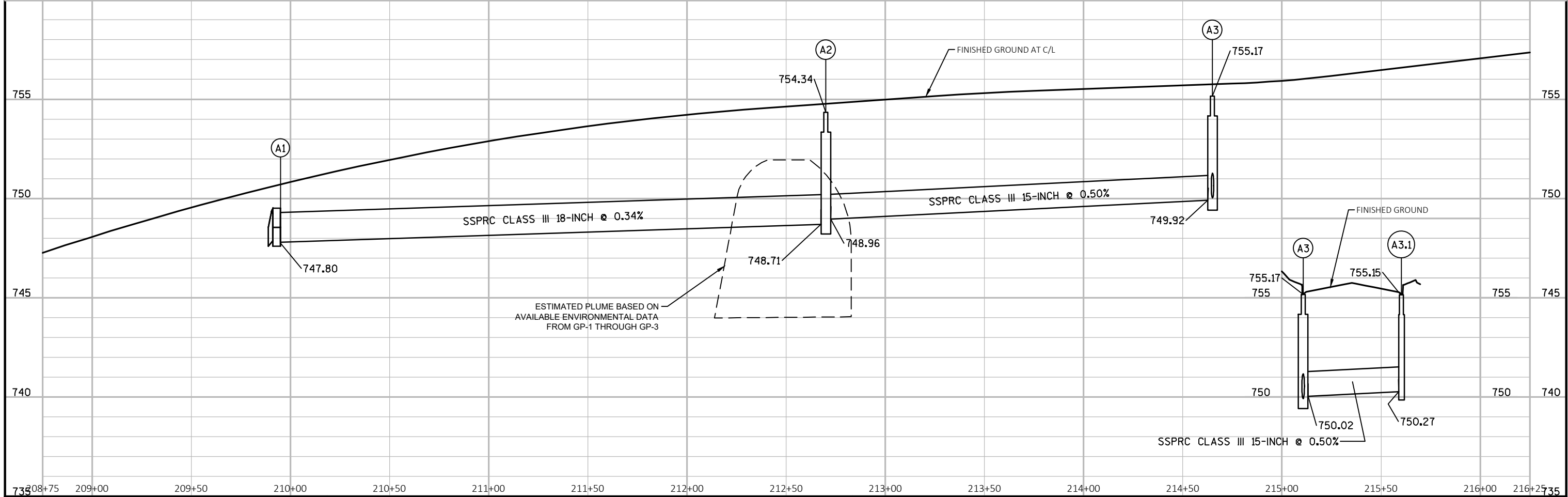
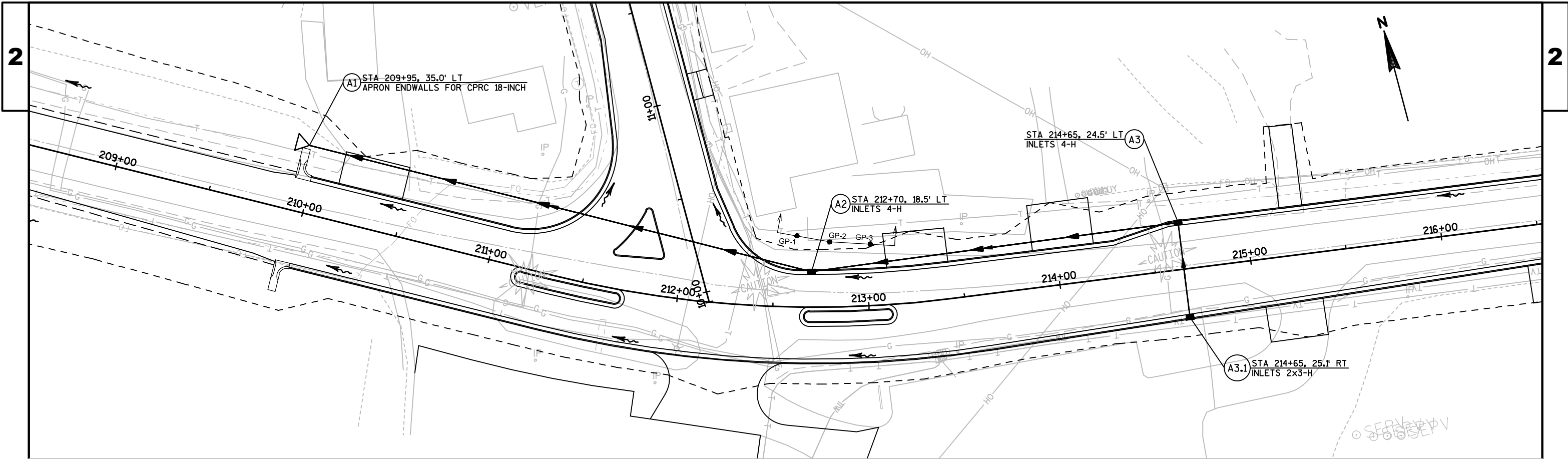
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2

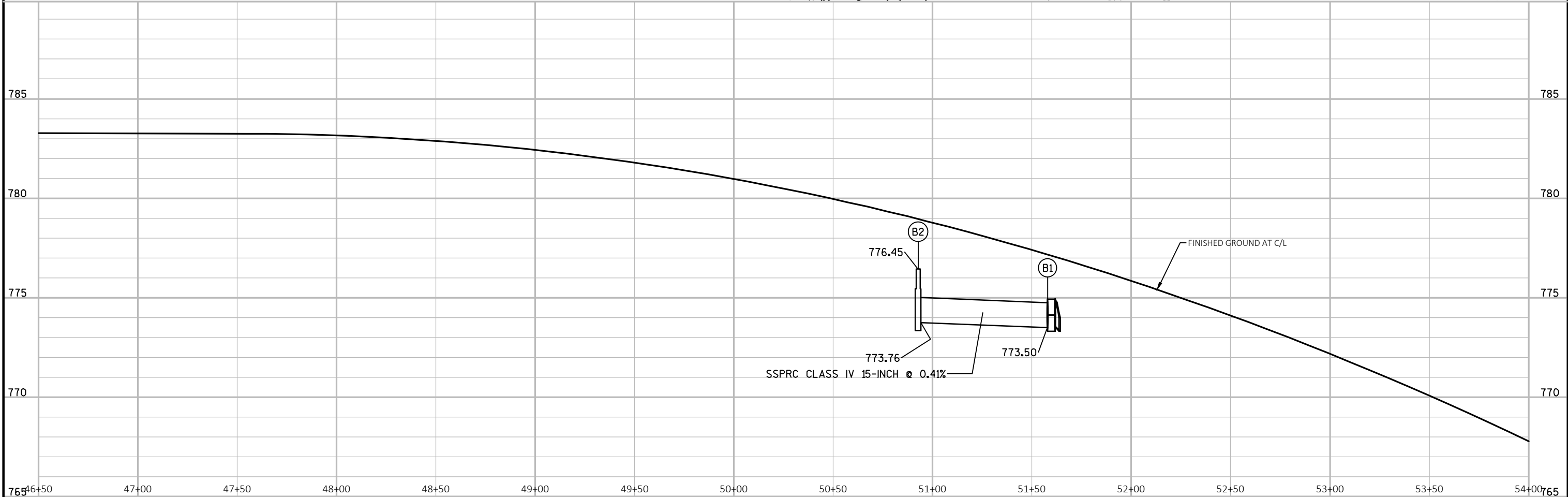
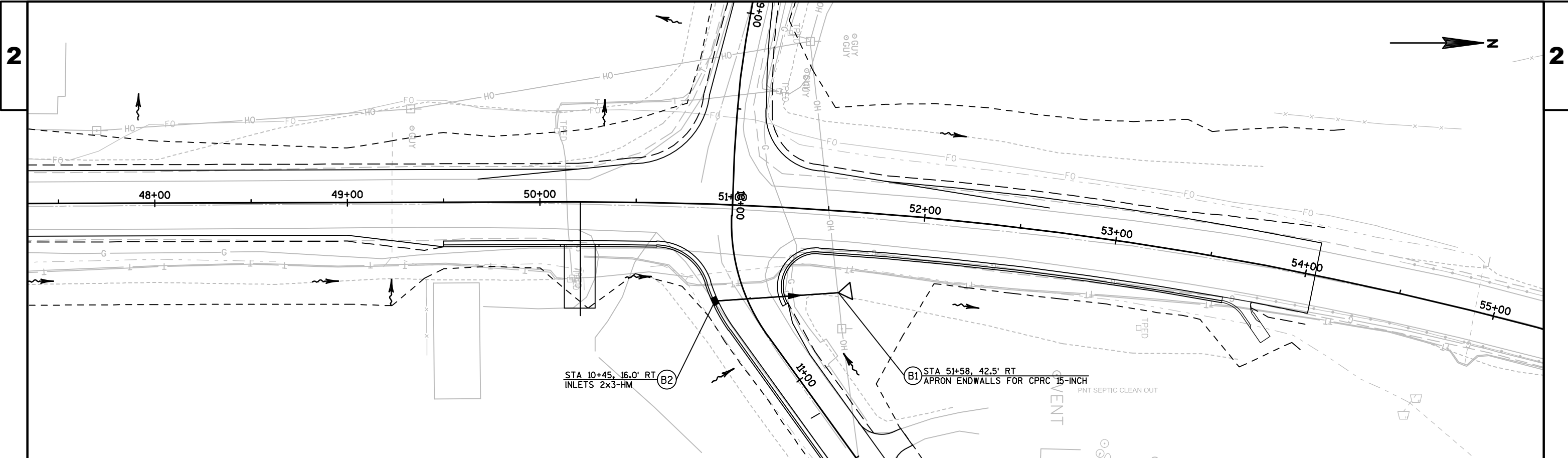


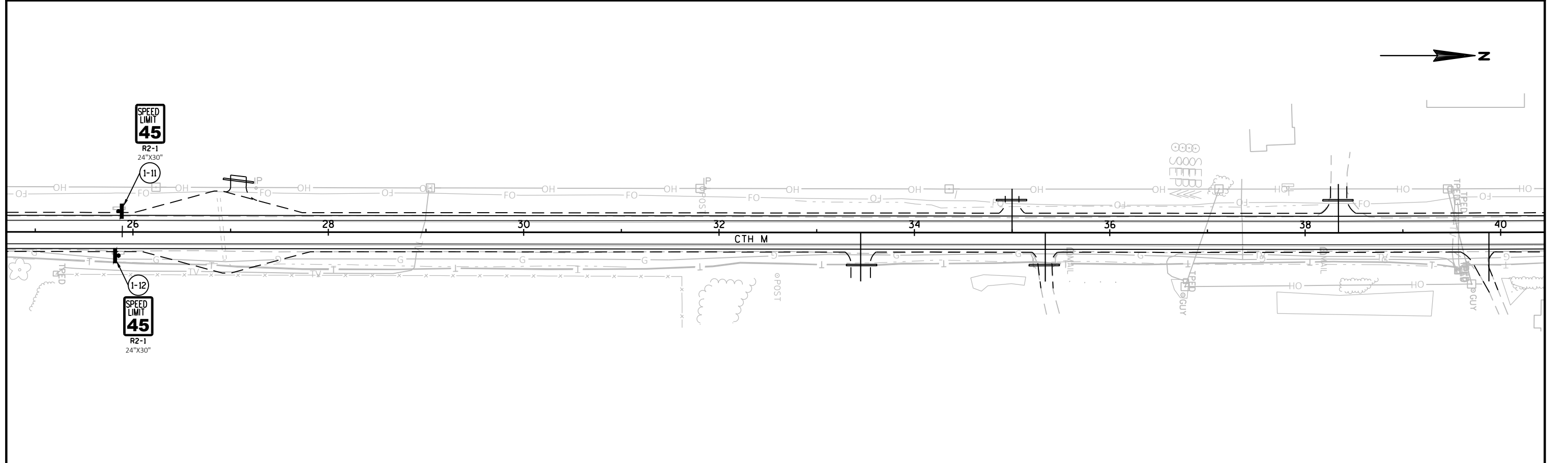
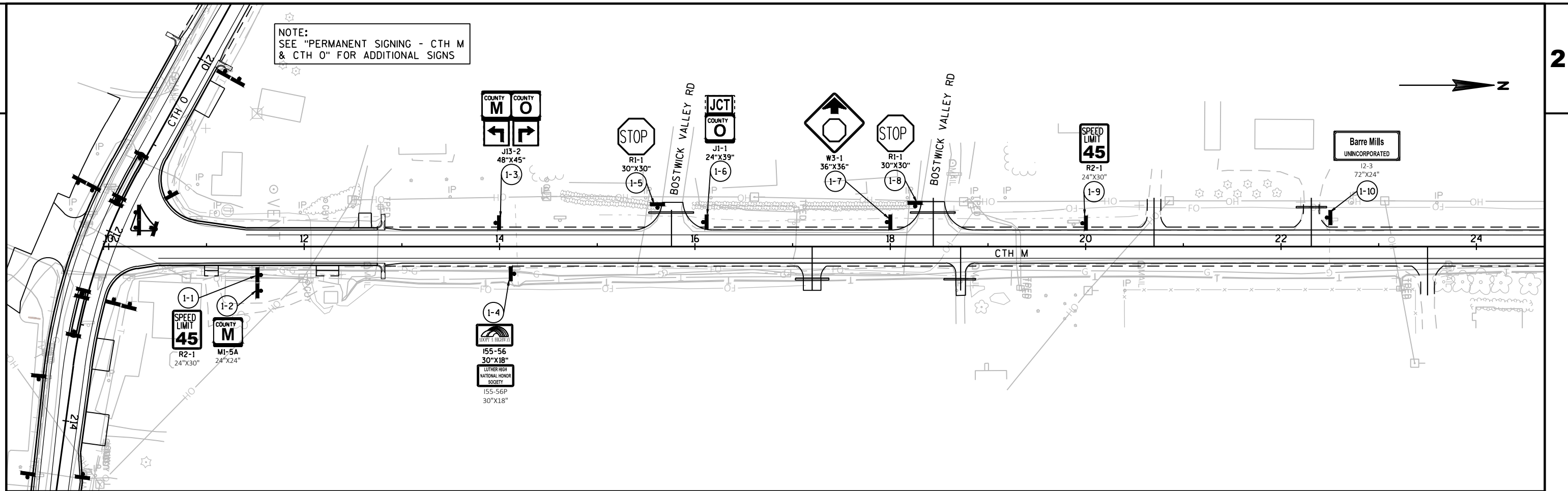
EROSION CONTROL LEGEND	
	EROSION MAT CL I TYPE B
	SILT FENCE
	RIPRAP MEDIUM
	TEMPORARY DITCH CHECK
	CULVERT PIPE CHECK
	SURFACE WATER FLOW

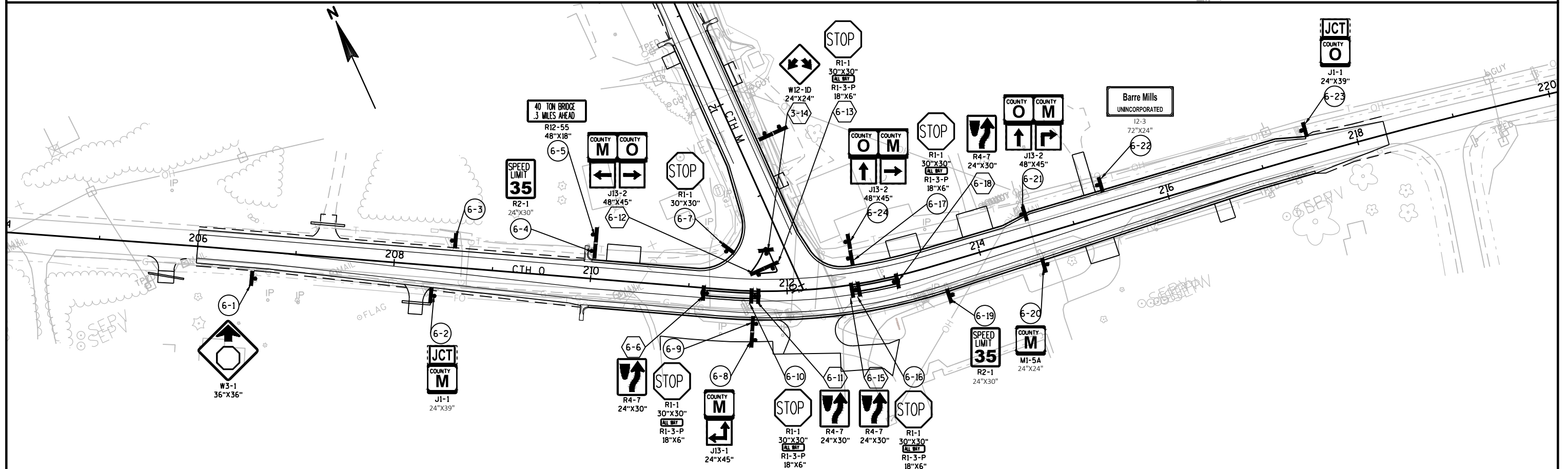
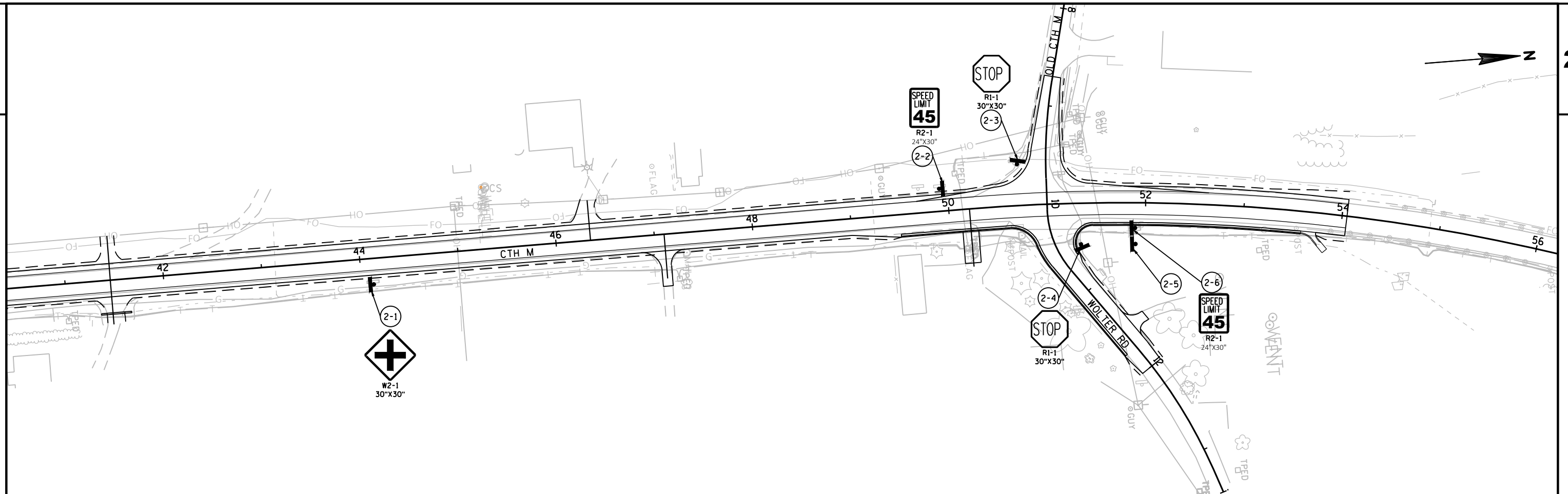


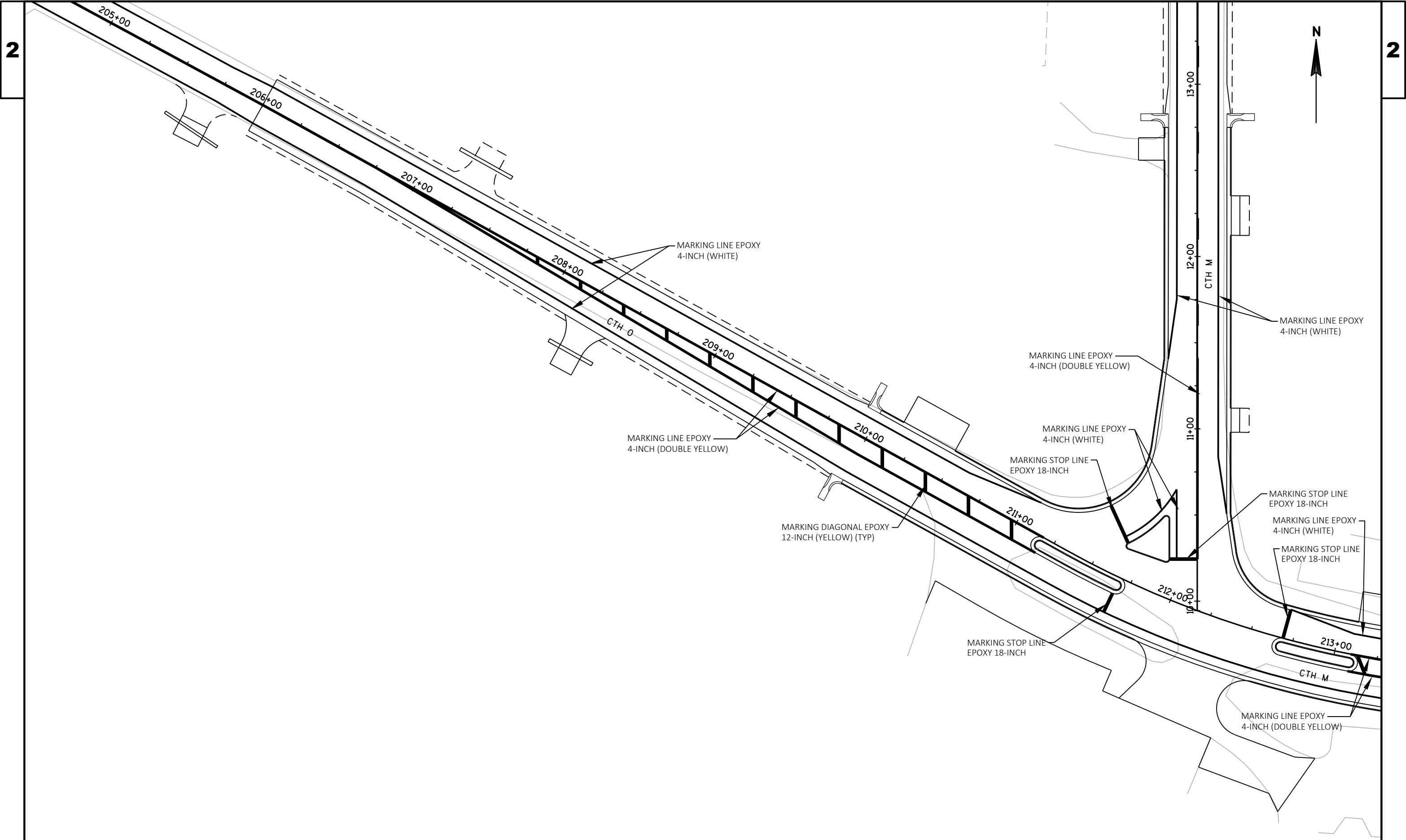


738	208+75	209+00	209+50	210+00	210+50	211+00	211+50	212+00	212+50	213+00	213+50	214+00	214+50	215+00	215+50	216+00	216+25	735
PROJECT NO:5436-00-71					HWY:CTH M			COUNTY:LA CROSSE			STORM SEWER				SHEET			E

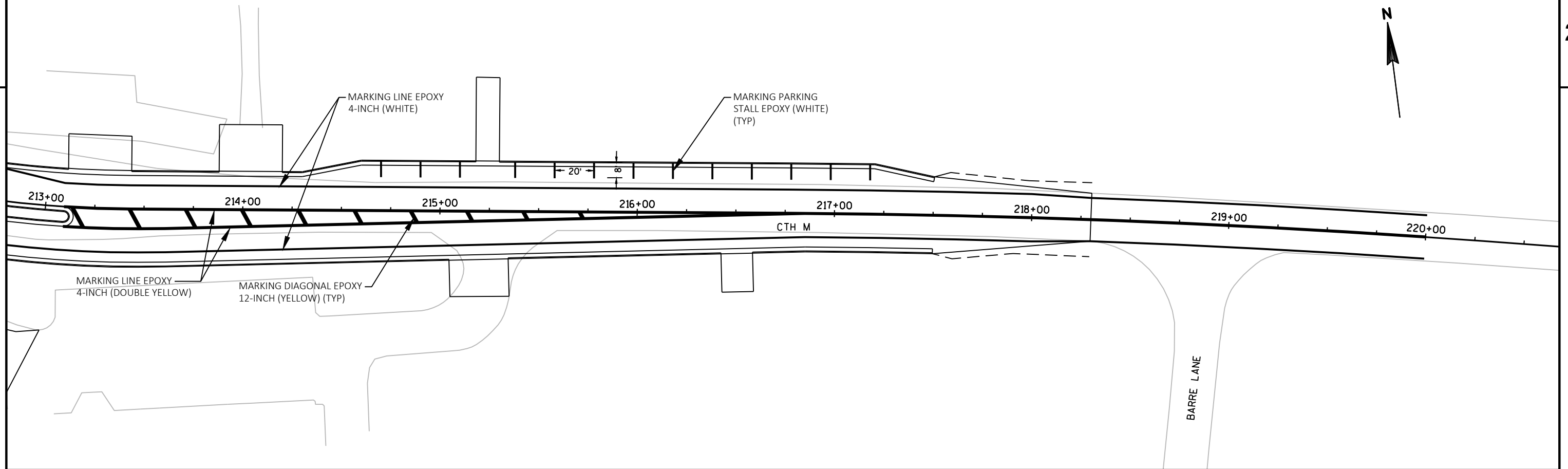




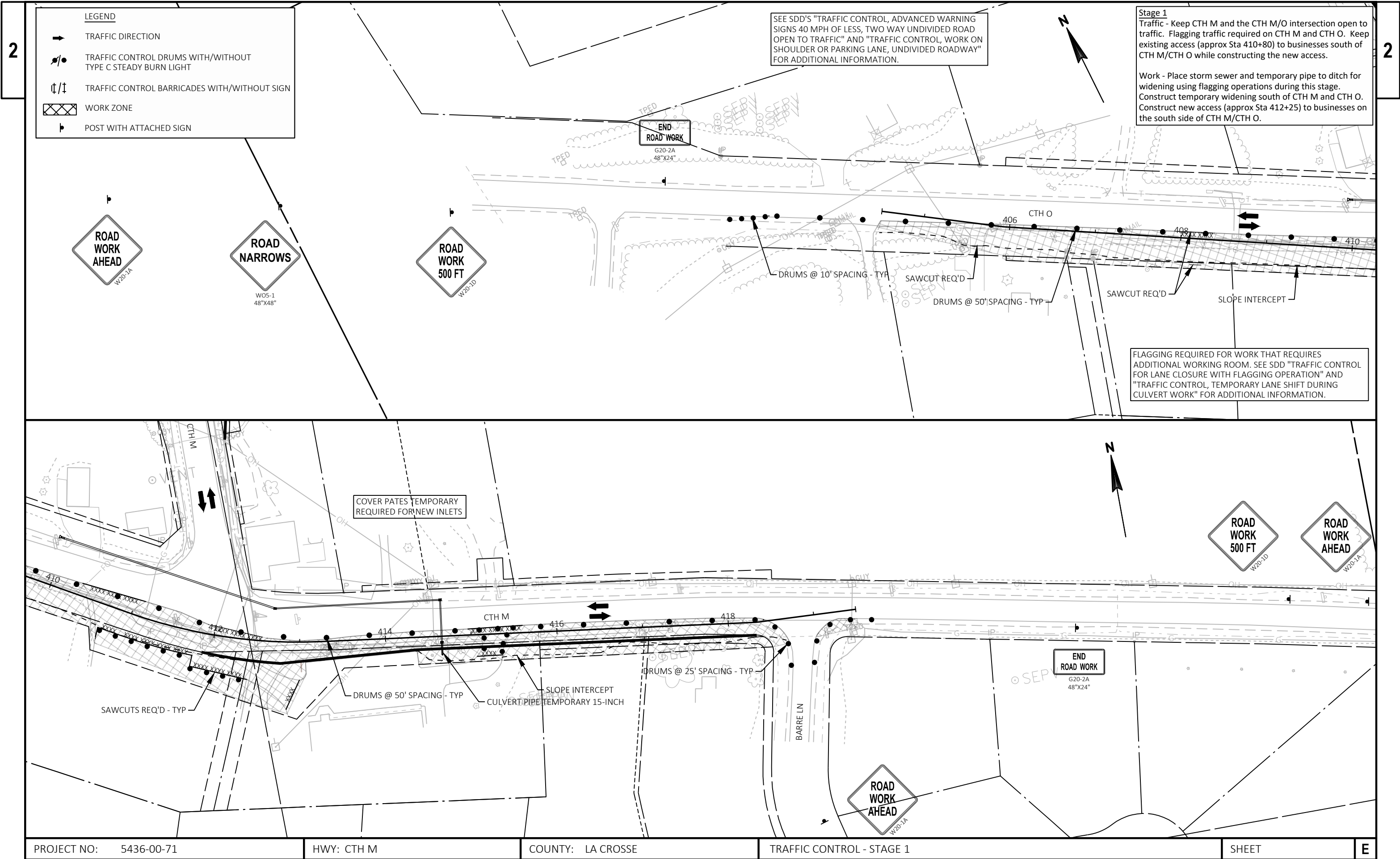


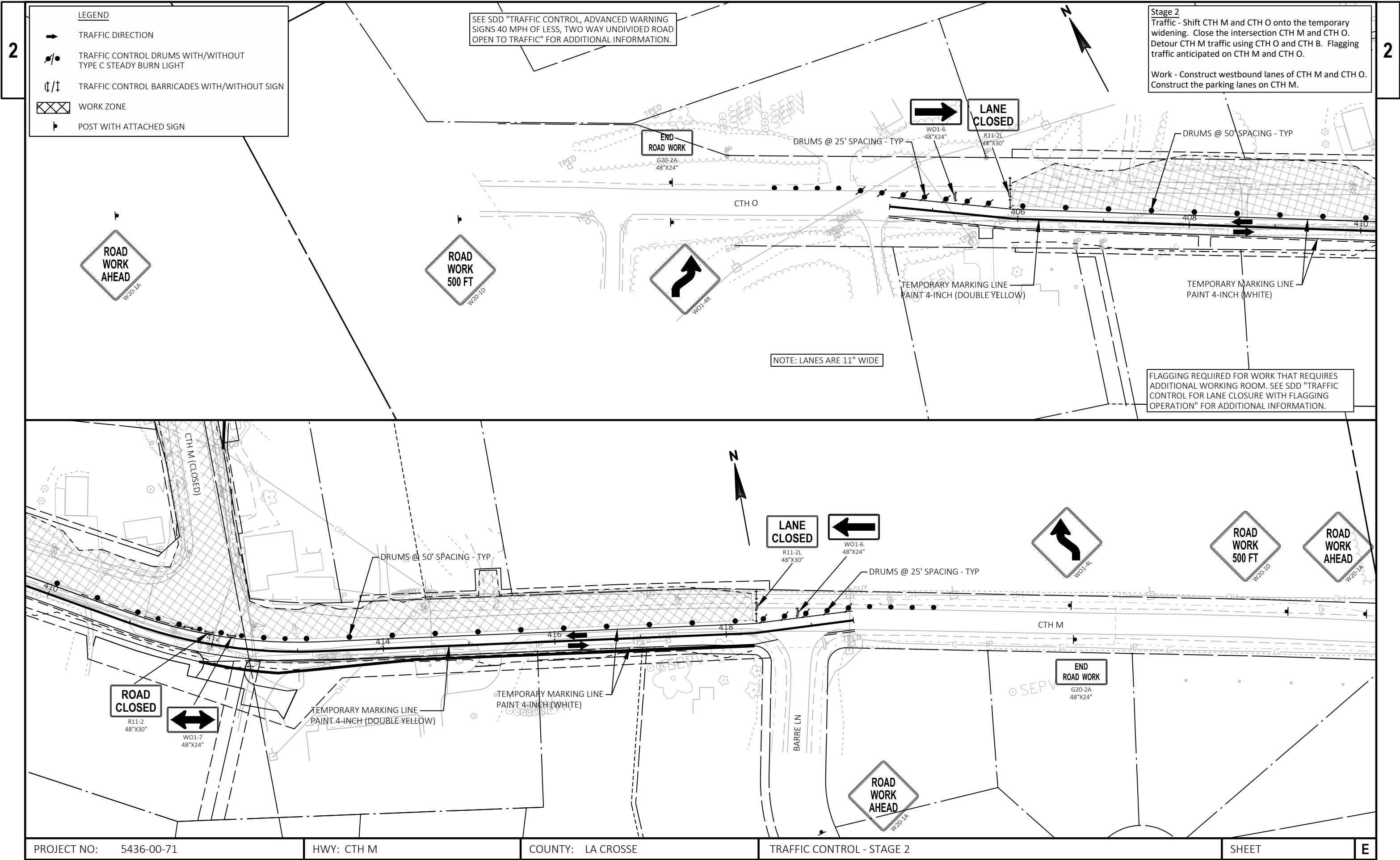


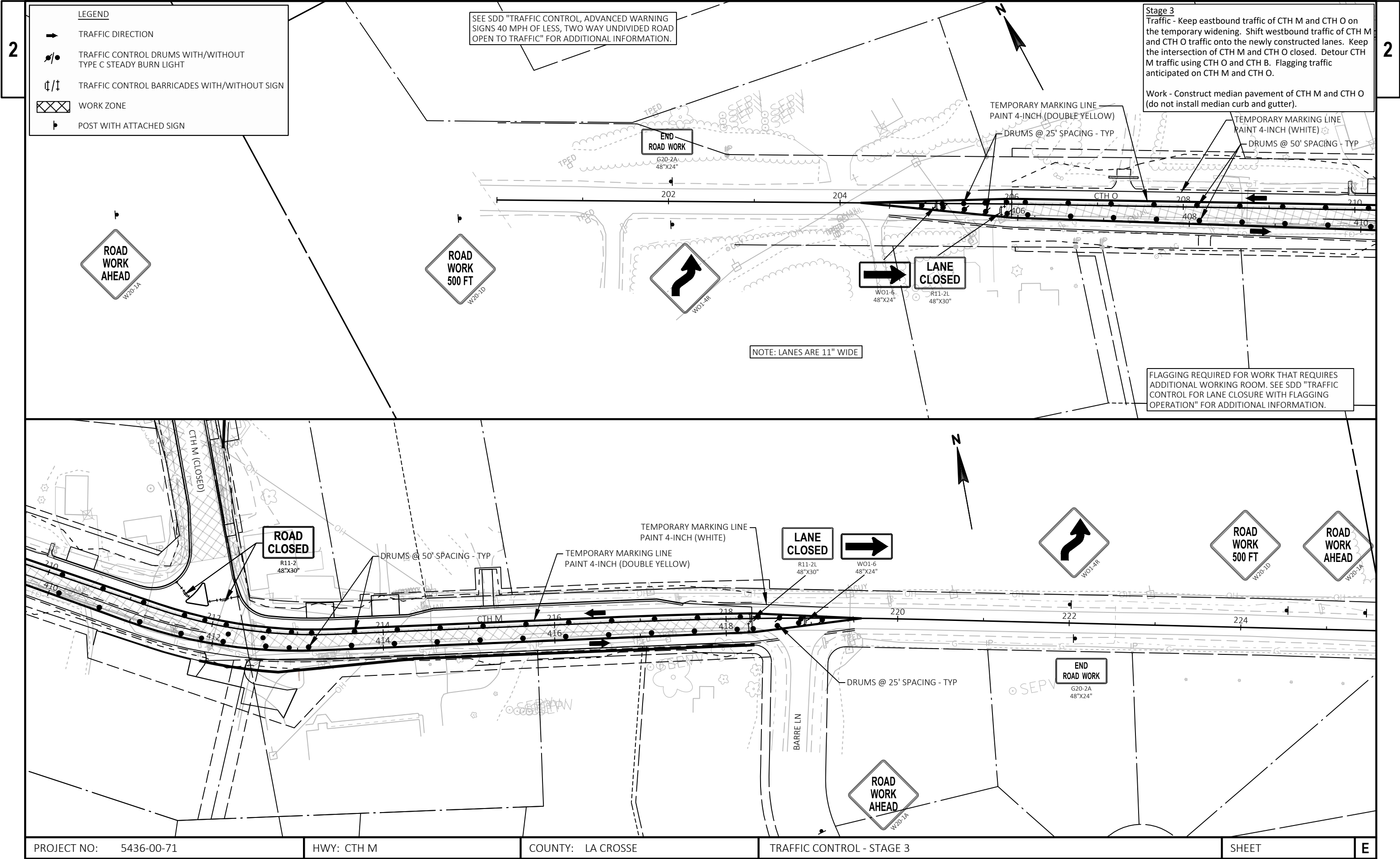
PROJECT NO:5436-00-71	HWY:CTH M	COUNTY:LA CROSSE	PAVEMENT MARKING	SHEET	E
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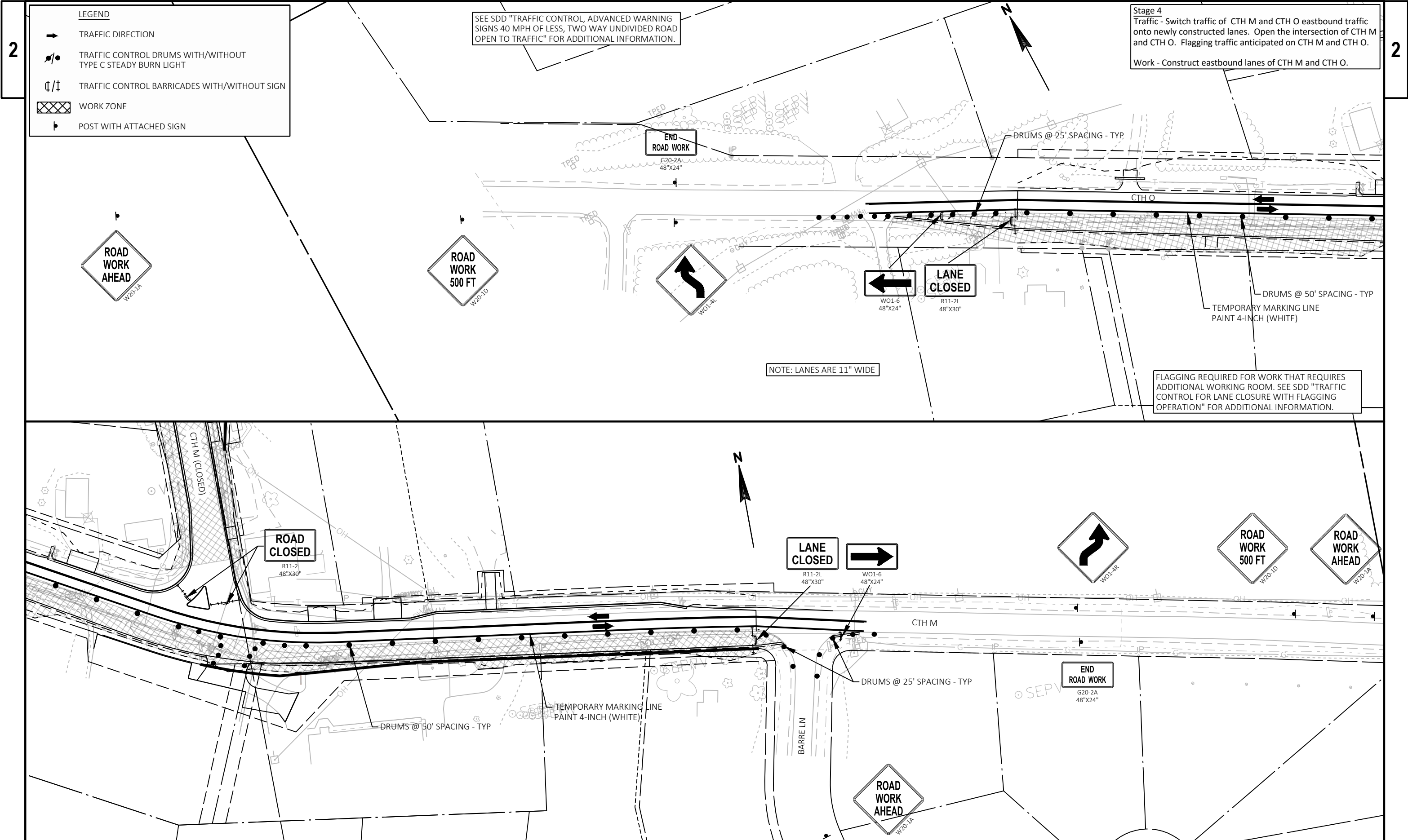


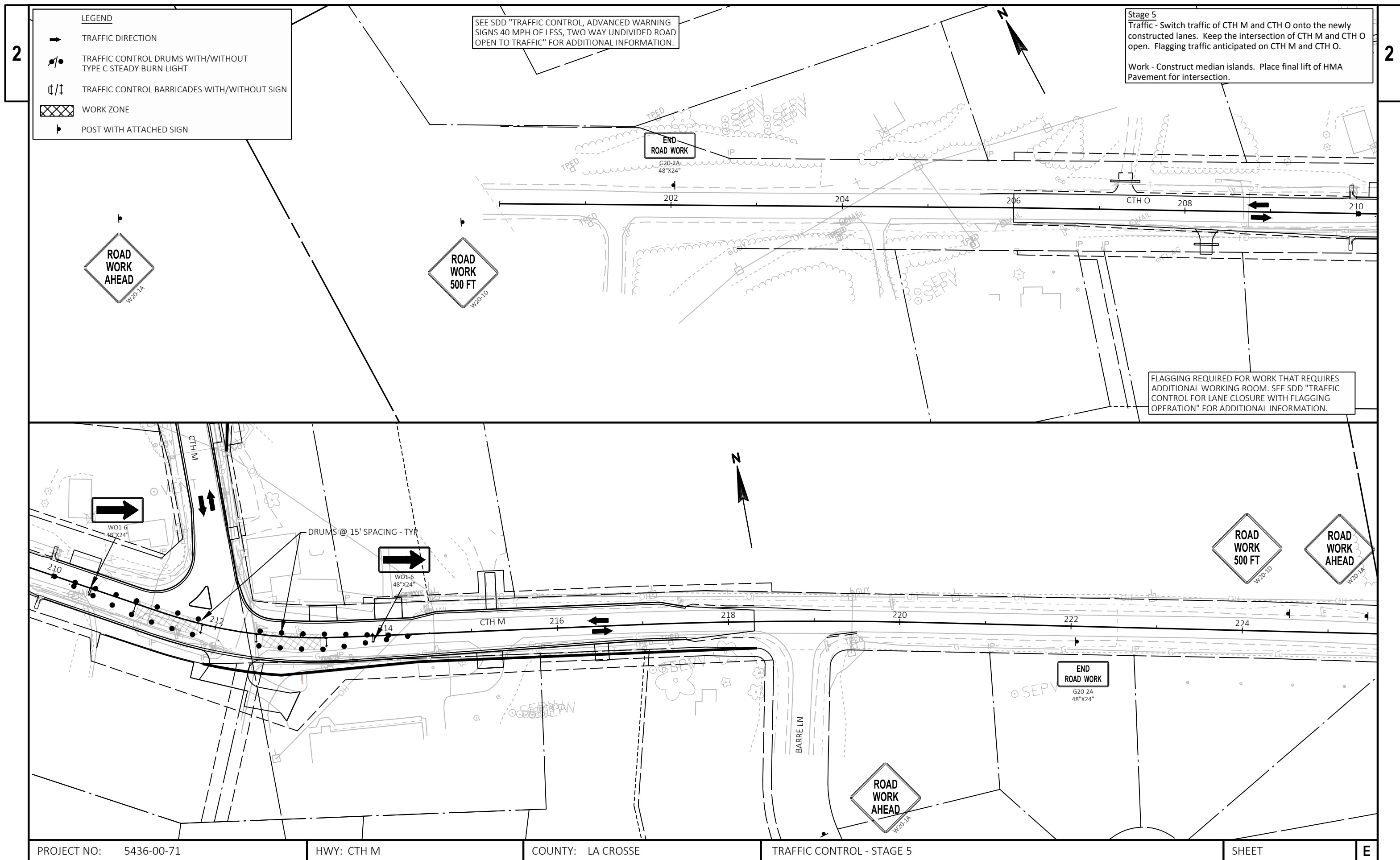
PROJECT NO:5436-00-71	HWY:CTH M	COUNTY:LA CROSSE	PAVEMENT MARKING	SHEET	E
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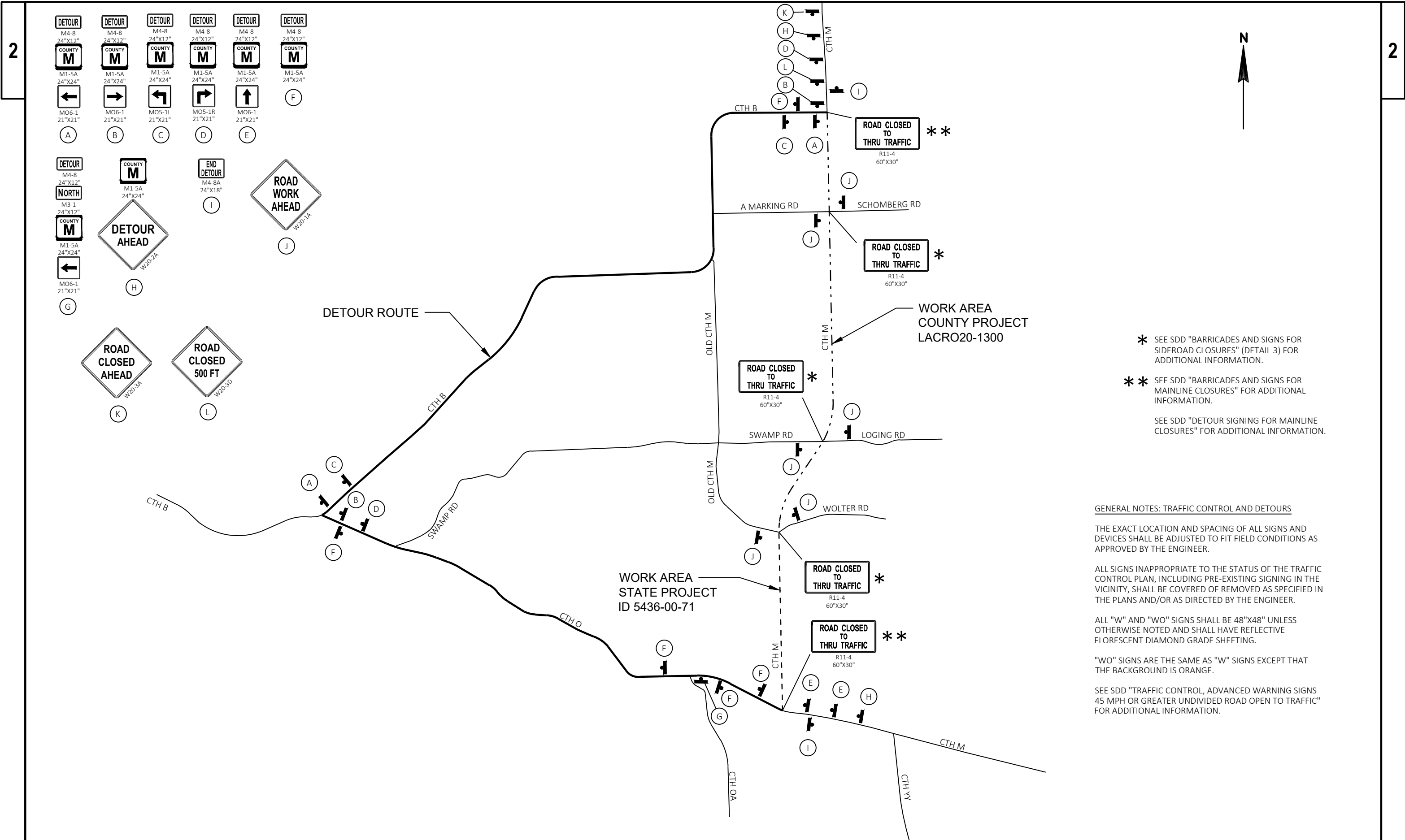












* SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" (DETAIL 3) FOR ADDITIONAL INFORMATION.

* * SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR ADDITIONAL INFORMATION.

SEE SDD "DETOUR SIGNING FOR MAINLINE CLOSURES" FOR ADDITIONAL INFORMATION.

GENERAL NOTES: TRAFFIC CONTROL AND DETOURS

THE EXACT LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE TRAFFIC CONTROL PLAN, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS SPECIFIED IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.

ALL "W" AND "WO" SIGNS SHALL BE 48"X48" UNLESS OTHERWISE NOTED AND SHALL HAVE REFLECTIVE FLORESCENT DIAMOND GRADE SHEETING.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADDITIONAL INFORMATION.

CLEARING AND GRUBBING

STATION TO STATION	LOCATION	201.0105	201.0205
		CLEARING STA	GRUBBING STA
14+00 - 20+00	CTH M	6	6
23+00 - 25+00	CTH M	2	2
37+00 - 39+00	CTH M	2	2
40+00 - 42+00	CTH M	2	2
45+00 - 46+00	CTH M	1	1
47+00 - 48+00	CTH M	1	1
53+00 - 54+00	CTH M	1	1
10+00 - 12+00	WOLTER RD	2	2
206+00 - 209+00	CTH O	3	3
214+00 - 215+00	CTH O	1	1
217+00 - 218+00	CTH O	1	1
PROJECT TOTALS		22	22

REMOVING SMALL PIPE CULVERTS

STATION	LOCATION	MATERIAL	SIZE	203.0100
				EACH
12+23	CTH M, RT	CMCP	24"x33'	1
12+63	CTH M, LT	CMCP	18"x26'	1
14+18	CTH M	CMCP	30"x83'	1
15+76	CTH M, LT	CMCP	18"x41'	1
17+20	CTH M, RT	CMCP	24"x32'	1
18+44	CTH M, LT	CMCP	18"x42'	1
18+72	CTH M, RT	CMCP	18"x32'	1
22+31	CTH M, LT	CMCP	18"x27'	1
22+50	CTH M	CMCP	24"x51'	1
26+91	CTH M	CMCP	24"x63'	1
26+91	CTH M	CMCP	24"x63'	1
33+45	CTM M, RT	CMCP	18"x33'	1
34+09	CTM M, LT	CMCP	18"x17'	1
35+34	CTM M, RT	CMCP	12"x25'	1
41+46	CTM M, RT	CMCP	12"x35'	1
43+14	CTM M	CMCP	24"x73'	1
49+23	CTH M	CMCP	24"x63'	1
10+34	WOLTER RD	CMCP	24"x46'	1
207+30	CTH O, LT	CMCP	18"x25'	1
210+32	CTH O, LT	CMCP	12"x45'	1
215+25	CTH O, LT	CMCP	12"x39'	1
PROJECT TOTAL				21

REMOVING CONCRETE PAVEMENT

STATION	LOCATION	204.0100
		SY
205+62	DRWY, RT	21
210+32	DRWY, LT	46
PROJECT TOTAL		67

REMOVING CURB

LOCATION	STAGE	204.0130
		LF
CTH M SAFETY ISLAND	2	35
PROJECT TOTAL		35

REMOVING ASPHALTIC SURFACE

STATION TO STATION	LOCATION	204.0110
		SY
210+75 - 213+02	DRWY, RT	324
PROJECT TOTAL		324

REMOVING CONCRETE SIDEWALK

STATION	LOCATION	204.0155
		SY
211+64	CTH O, RT	8
PROJECT TOTAL		8

REMOVING DELINEATORS AND MARKERS

LOCATION	204.0180 EACH
PROJECT LIMITS	16
PROJECT TOTAL	16

EXCAVATION, HAULING, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL

LOCATION	205.0501.S TON
NE QUAD OF CTH M/O INT	100
PROJECT TOTAL	100

EARTHWORK SUMMARY

STATION TO STATION	LOCATION	205.0100	(5)	(3)	UNEXPANDED	(1)	(4)	WASTE
		EXCAVATION COMMON CY	UNUSABLE PAVEMENT MATERIAL CY	AVAILABLE MATERIAL CY	FILL CY	EXPANDED FILL CY	MASS ORDINATE +/- CY	
10+13 - 54+05	CTH M	26423	1200	25223	3091	4018	21205	---
206+00 - 218+30	CTH O	8244	340	7904	334	434	7470	---
8+70 - 12+00	OLD CTH M/WOLTER RD	1238	60	1178	6	8	1170	---
404+50 - 419+49	WIDENING	1342	---	1342	106	138	1204	---
PROJECT TOTALS		37247	1600	35647			31049	31049

- (1) EXPANSION FACTOR = 1.3 EXPANDED FILL = UNEXPANDED FILL * FILL FACTOR
(3) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL
(4) 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.
(5) QUANTITY BASED ON ASPHALT LAYER REMOVED FROM EXISTING

BASE AGGREGATE DENSE

STATION TO STATION	LOCATION	305.0110	305.0120
		3/4-INCH TON	1 1/4-INCH TON
10+13 - 54+05	CTH M	1200	13252
206+00 - 218+30	CTH O	90	4727
8+70 - 9+80	OLD CTH M	22	235
10+20 - 12+00	WOLTER RD	13	343
404+50 - 419+49	WIDENING	150	1560
DRIVEWAYS (14)		242	---
PROJECT TOTALS		1717	20117

BREAKER RUN & GEOGRID TYPE SR

STATION TO STATION	LOCATION	311.0115	645.0220
		BREAKER CY	GEOGRID SY
10+13 - 54+05	CTH M	6849	20548
206+00 - 217+50	CTH O	2106	6319
PROJECT TOTALS		8956	26867

CONCRETE DRIVEWAY 6-INCH

STATION	LOCATION	416.0160
		SY
205+62	DRWY, RT	22
210+32	DRWY, LT	46
PROJECT TOTAL		67

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

PAVEMENT ITEMS								
STATION TO STATION	LOCATION	460.5223	460.5224	460.6223	460.6224	465.0120	465.0125	455.0605
		HMA PAVEMENT				ASPHALTIC	ASPHALTIC	
		3 LT 58-28 S	4 LT 58-28 S	3 MT 58-28 S	4 MT 58-28 S	SURFACE DRIVEWAYS & FIELD ENTRANCES	SURFACE TEMPORARY	
		TON	TON	TON	TON	TON	TON	TACK COAT GAL
10+13 - 54+05	CTH M	---	---	3321	2373	---	---	850
206+00 - 218+30	CTH 0	766	613	---	---	---	---	275
OLD CTH M/WOLTER RD	SIDEROADS	166	90	---	---	---	---	45
	DRIVEWAYS (15)	---	---	---	---	202	---	---
STORM SEWER PATCHING	STAGE 1	---	---	---	---	---	55	---
404+50 - 419+49	WIDENING	---	---	---	---	---	616	---
PROJECT TOTALS		932	703	3321	2373	202	616	1170

CONCRETE CURB AND GUTTER				
STATION TO STATION	LOCATION	601.0110	601.0411	601.0557
		CONCRETE	CONCRETE CURB AND GUTTER	
		CURB	30-INCH	6-INCH SLOPED
		TYPE D	TYPE D	TYPE D
		LF	LF	LF
210+00 - 217+50	RT, CTH 0	---	761	---
210+00 - 12+75	NW QUAD, CTH 0/CTH M INT	---	376	---
12+75 - 217+50	NE QUAD, CTH 0/CTH M INT	---	776	---
	WEST ISLAND, CTH 0	---	120	---
	EAST ISLAND, CTH 0	---	101	---
	SAFETY ISLAND CTH M	86	---	---
49+50 - 11+75	SE QUAD, CTH M/WOLTER RD INT	---	---	290
10+62 - 53+60	NE QUAD, CTH M/WOLTER RD INT	---	---	250
PROJECT TOTALS		86	2134	540

ASPHALTIC CURB				ASPHALTIC FLUMES		
STATION TO STATION	LOCATION	STAGE	465.0310 LF	STATION	LOCATION	465.0315 SY
416+50 - 418+32	TEMP WIDENING	1	182	210+00	LT, CTH 0	7
				210+00	RT, CTH 0	7
				12+75	LT, CTH M	7
				12+75	RT, CTH M	7
				53+60	RT, CTH M	7
PROJECT TOTAL			182	PROJECT TOTAL		35

CONCRETE SIDEWALK 4-INCH			
STATION TO STATION	LOCATION	602.0405 SF	
211+17 - 211+69	SAFETY ISLAND, CTH 0	271	
212+68 - 213+10	SAFETY ISLAND, CTH M	223	
10+24 - 10+48	SAFETY ISLAND, CTH M	342	
PROJECT TOTAL		836	

CULVERT PIPE CORRUGATED STEEL													
STATION	LOCATION	521.3118	521.3124	521.3130	521.3136	521.1024	521.1030	521.1036	521.1518	521.1524	APRON ENDWALLS FOR		
		CULVERT PIPE CORRUGATED STEEL				APRON ENDWALLS FOR CP STEEL			SLOPED SIDE DRAINS STEEL				
		18-INCH	24-INCH	30-INCH	36-INCH	24-INCH	30-INCH	36-INCH	6 TO 1	6 TO 1	STEEL	*ELEVATIONS	
		LF	LF	LF	LF	EACH	EACH	EACH	18-INCH	24-INCH	THICKNESS (INCHES)	INLET	OUTLET
14+16	CTH M	---	---	86	---	---	2	---	---	---	0.079	739.70	738.32
15+76	PE, LT	46	---	---	---	---	---	---	2	---	0.064	---	---
17+20	PE, RT	---	34	---	---	---	---	---	---	2	0.064	---	---
18+44	PE, LT	46	---	---	---	---	---	---	2	---	0.064	---	---
18+72	PE, RT	34	---	---	---	---	---	---	2	---	0.064	---	---
22+31	PE, LT	34	---	---	---	---	---	---	2	---	0.064	---	---
22+50	CTH M	---	---	60	---	---	2	---	---	---	0.079	745.03	744.90
26+91	CTH M	---	---	---	84	---	---	2	---	---	0.079	745.86	745.58
26+91	CTH M	---	---	---	84	---	---	2	---	---	0.079	745.86	745.58
27+08	FE, LT	34	---	---	---	---	---	---	2	---	0.064	---	---
33+45	FE, RT	34	---	---	---	---	---	---	2	---	0.064	---	---
34+09	FE, LT	28	---	---	---	---	---	---	2	---	0.064	---	---
35+34	PE, RT	46	---	---	---	---	---	---	2	---	0.064	---	---
38+34	PE, LT	34	---	---	---	---	---	---	2	---	0.064	---	---
41+46	PE, RT	34	---	---	---	---	---	---	2	---	0.064	---	---
43+14	CTH M	---	---	---	66	---	---	2	---	---	0.079	777.70	775.88
49+23	CTH M	---	66	---	---	2	---	---	---	---	0.064	777.56	776.85
205+70	PE, RT	36	---	---	---	---	---	---	2	---	0.064	---	---
207+30	PE, LT	34	---	---	---	---	---	---	2	---	0.064	---	---
208+25?	PE, RT	34	---	---	---	---	---	---	2	---	0.064	---	---
PROJECT TOTALS		474	100	146	234	2	4	6	26	2			

* PIPE INVERT AT END OF PIPE: FOR INFORMATION ONLY. FIELD VERIFY

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

STORM SEWER PIPES REINFORCED CONCRETE

LOCATION	STATION	608.0315	608.0318	608.0415	JOINT TIES* EACH	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
		CLASS III-A 15-INCH LF	CLASS IV 18-INCH LF	CLASS IV 12-INCH LF				
A1 - A2	209+95, LT	---	264	---	3	748.71	747.8	0.0034
A2 - A3	212+70 LT	191	---	---	---	749.92	748.96	0.0050
A3.1 - A3	214+65 LT	50	---	---	---	750.27	750.02	0.0050
B1 - B2	51+44, RT	---	---	62	3	773.76	773.5	0.0042
PROJECT TOTALS		241	264	62				

COVER PLATES TEMPORARY

CULVERT PIPE TEMPORARY 15-INCH

STATION	LOCATION	520.2015
		LF
214+65	RT	16
PROJECT TOTAL		16

STATION	LOCATION	611.8120.S EACH
212+70	LT	1
214+65	LT	1
214+65	RT	1
PROJECT TOTAL		3

RECONSTRUCTING INLETS

STATION	LOCATION	611.0430 EACH
214+65	RT	1
PROJECT TOTAL		1

BASE AGGREGATE OPEN-GRADED AND GEOTEXTILE TYPE DF SCHEDULE A

STATION TO STATION	LOCATION	310.0110	645.0111
		BASE AGGREGATE OPEN-GRADED TON	GEOTEXTILE TYPE DF SCHEDULE A SY
13+00 - 217+50	NE QUAD, CTH O/CTH M INT	50	448
209+75 - 13+00	NW QUAD, CTH O/CTH M INT	27	238
209+75 - 217+50	CTH O/CTH M, RT	48	434
49+50 - 10+45	SE QUAD, CTH M/WOLTER RD INT	11	95
51+50 - 54+00	NE QUAD, CTH M/WOLTER RD INT	16	140
PROJECT TOTALS		152	1355

STORM SEWER STRUCTURES

STRUCTURE	STATION	OFFSET*	522.1015	522.1018	611.0624	611.0627	611.3004	611.3230	650.4000	RIM**** ELEVATION	INVERT** ELEVATION	DEPTH FT***
			APRON ENDWALLS FOR CPRC 15-INCH EACH	APRON ENDWALLS FOR CULVERT 18-INCH EACH	INLET TYPE H EACH	COVERS HM EACH	INLETS 4-FT DIA EACH	CONSTRUCTION STAKING 2X3-FT EACH	STORM SEWER EACH			
A1	209+95	35.0' LT	---	1	---	---	---	---	1	---	747.8	---
A2	212+70	18.5' LT	---	---	1	---	1	---	1	754.34	748.71	4.80
A3	214+65	24.5' LT	---	---	1	---	1	---	1	755.17	749.92	4.42
A3.1	214+65	25.1' RT	---	---	1	---	---	1	1	755.15	750.27	4.05
B1	51+58	42.5' RT	1	---	---	---	---	---	1	---	773.5	---
B2	10+45	16.0' RT	---	---	---	1	---	1	1	776.45	773.76	1.86
PROJECT TOTALS			1	1	3	1	2	2	6			

* STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
** FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE
*** DEPTH = RIM ELEV - INVERT - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT
**** RIM ELEVATION EQUALS FLOWLINE FOR INLET STRUCTURES

WATER

LOCATION	624.0100 MGAL
DUST CONTROL	100
BASE COMPACTION	300
PROJECT TOTAL	400

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

3

SALVAGED TOPSOIL, MULCHING, FERTILIZER, & SEEDING

STATION TO STATION	LOCATION	625.0500	627.0200	629.0210	630.0120	630.0140	630.0200	630.0500
		SALVAGED TOPSOIL SY	MULCHING SY	FERTILIZER TYPE B CWT	SEEDING MIXTURE NO. 20 LB	SEEDING MIXTURE NO. 40 LB	SEEDING TEMPORARY LB	SEED WATER MGAL
10+13 - 54+05	CTH M	19250	14247	12.1	470	50	---	432
206+00 - 218+30	CTH O	4420	1904	2.8	40	80	---	99
OLD CTH M/WOLTER RD	SIDEROADS	270	103	0.2	10	0	---	6
UNDISTRIBUTED		---	4066	4	130	35	150	133
PROJECT TOTALS		23940	20320	19	650	165	150	670

SILT FENCE

STATION TO STATION	LOCATION	628.1504	628.1520
		LF	MAINTENANCE LF
12+00 - 15+00	RT	321	321
13+50 - 14+50	LT	109	109
22+50 - 34+00	LT	1167	1167
42+00 - 44+50	LT	207	207
47+75 - 50+00	LT	244	244
206+00 - 207+00	LT	107	107
UNDISTRIBUTED		540	540
PROJECT TOTALS		2695	2695

EROSION MAT CLASS 1 TYPE B

STATION TO STATION	LOCATION	628.2004	COMMENT
		SY	
12+75	LT/RT	22	FLUME
14+16	LT	11	ENDWALL
14+25 - 18+00	RT	447	
14+50 - 20+50	LT	919	
18+66 - 20+50	LT	323	
22+50	LT	18	ENDWALL
26+91	LT	30	ENDWALL
27+10 - 33+25	RT	826	
33+50 - 33+92	LT	64	
36+50 - 41+25	RT	1178	
44+00 - 45+50	LT	214	
44+50 - 45+50	RT	266	
47+10 - 48+00	LT	120	
49+23	LT	15	ENDWALL
49+50 - 11+75	RT	180	
10+50 - 53+60	RT	362	
51+75 - 53+75	LT	271	
53+60	RT	31	FLUME
206+00 - 209+90	LT/RT	1435	
210+00	LT/RT	22	FLUME
210+00 - 12+75	LT	214	
210+00 - 217+50	RT	428	
12+75 - 217+50	LT	439	
UNDISTRIBUTED		1564	
PROJECT TOTAL		9400	

TEMPORARY DITCH CHECKS

STATION TO STATION	LOCATION	628.7504
		LF
27+50 - 34+50	RT (14)	168
34+50 - 37+50	LT (7)	84
54+00	LT/RT	24
205+25	RT	12
206+00	LT	12
UNDISTRIBUTED		60
PROJECT TOTAL		360

CULVERT PIPE CHECKS

STATION	LOCATION	628.7555
		EACH
14+16	CTH M	5
15+76	PE, LT	2
17+20	PE, RT	3
18+44	PE, LT	2
18+72	PE, RT	2
22+31	PE, LT	2
22+50	CTH M	5
26+91	CTH M	7
26+91	CTH M	7
27+08	FE, LT	2
33+45	FE, RT	2
34+09	FE, LT	2
35+34	PE, RT	2
38+34	PE, LT	2
41+46	PE, RT	2
43+14	CTH M	7
49+23	CTH M	3
205+62	PE, RT	2
207+30	PE, LT	2
208+25	PE, RT	3
214+65	STAGE 1	2
UNDISTRIBUTED		16
PROJECT TOTAL		82

TRAFFIC CONTROL ITEMS

STAGE	NUMBER OF DAYS	EACH	643.0300 DRUMS DAY	643.0420		643.0705		643.0715		643.0900	
				BARRICADES		WARNING LIGHTS		WARNING LIGHTS		SIGNS	
				TYPE III	TYPE A	TYPE A	TYPE C	TYPE C	TYPE C	EACH	DAY
STAGE 1	21	58	1218	0	0	0	0	0	0	8	168
STAGE 2	21	49	1029	11	231	17	357	12	252	15	315
STAGE 3	14	72	1008	11	154	17	238	9	126	15	210
STAGE 4	21	52	1092	13	273	19	399	6	126	15	315
STAGE 5	21	30	630	6	126	8	168	0	0	9	189
DETOUR	137	---	---	16	2192	26	3562	---	---	68	9316
UNDTISTRIBUTED	---	---	500	---	80	---	120	---	60	---	120
PROJECT TOTALS			5477		3056		4844		564		10633

MARKERS CULVERT ENDS

STATION	LOCATION	633.5200
		EACH
14+16	CTH M	2
22+50	CTH M	2
26+91	CTH M	2
26+91	CTH M	2
43+14	CTH M	2
49+23	CTH M	2
51+44	CTH M, RT	1
210+00	CTH O, LT	1
PROJECT TOTAL		14

3

MOBILIZATIONS EROSION CONTROL

LOCATION	628.1905
	EACH
ENTIRE PROJECT	4
PROJECT TOTAL	4

MOBILIZATIONS EMERGENCY EROSION CONTROL

LOCATION	628.1910
	EACH
ENTIRE PROJECT	4
PROJECT TOTAL	4

INLET PROTECTION

STATION	LOCATION	628.7005	628.7015
		TYPE A EACH	TYPE C EACH
212+70	CTH M, LT	1	1
214+65	CTH M, RT	1	1
214+65	CTH M, LT	1	1
10+45	WOLTER RD, RT	1	1
UNDISTRIBUTED		1	1
PROJECT TOTALS		5	5

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

SIGNS TYPE II										
SIGN NO	APPROX STATION LOCATION	SIGN CODE	SIGN SIZE WxH (INCHES)	634.0614 634.0616		637.2210 637.2230		638.2602	638.3000	COMMENTS
				POSTS WOOD 14-FT EACH	4X6-INCH 16-FT EACH	SIGNS TYPE II REFLECTIVE H SF	SIGNS TYPE II REFLECTIVE F SF	REMOVING SIGNS TYPE II EACH	REMOVING SMALL SIGN SUPPORTS EACH	
1-1	11+55, RT	R2-1	24x30	---	1	5.00	---	1	1	"45"
1-2	11+55, RT	M1-5A	24x24	1	---	4.00	---	1	1	M
1-3	14+00, LT	J13-2	48x45	---	1	15.00	---	1	1	M, 0; AHEAD/LT, AHEAD/RT
1-4	14+15, RT	I55-56	30x18	---	1	3.75	---	1	1	
		I55-56P	30x18	---	---	3.75	---	---	---	LUTHER HIGH NATIONAL HONOR SOCIETY
1-5	15+61, LT	R1-1	30x30	---	1	5.18	---	1	1	(BROSTWICK VALLY RD)
1-6	16+08, LT	J1-1	24x39	---	1	6.50	---	1	1	JCT, 0
1-7	18+00, LT	W3-1	36x36	---	1	---	9.00	1	1	
1-8	18+25, LT	R1-1	30x30	---	1	5.18	---	1	1	(BROSTWICK VALLY RD)
1-9	20+00, LT	R2-1	24x30	---	1	5.00	---	1	1	"45"
1-10	22+47, LT	I2-3	72x24	---	1	8.00	---	1	1	BARRE MILLS
1-11	25+85, LT	R2-1	24x30	---	1	5.00	---	1	1	"45"
1-12	25+85, RT	R2-1	24x30	---	1	5.00	---	1	1	"45"
2-1	44+12, RT	W2-1	30x30	---	1	---	6.25	1	1	
2-2	49+92, LT	R2-1	24x30	---	1	5.00	---	1	1	"45"
2-3	50+70, LT	R1-1	30x30	---	1	5.18	---	1	1	(OLD CTH M)
2-4	51+33, RT	R1-1	30x30	---	1	5.18	---	1	1	(WOLTER RD)
2-6	51+90, RT	R2-1	24x30	---	1	5.00	---	1	1	"45"
6-1	206+60, RT	W3-1	36x36	---	1	---	9.00	1	1	
6-2	208+35, RT	J1-1	24x39	---	1	6.50	---	1	1	JCT, M
6-3	208+56, LT	M1-5A	24x24	1	---	4.00	---	1	1	0
6-4	210+00, LT	R2-1	24x30	---	1	5.00	---	1	1	"35"
6-5	210+00, LT	R12-55	48x18	1	---	6.00	---	1	1	40 TON; .3 MILES
6-6	211+17, MEDIAN	R4-7	24x30	---	1	5.00	---	---	---	
6-7	10+62, LT	R1-1	30x30	---	1	5.18	---	1	1	(CTH M)
6-8	211+70, RT	J13-1	24x45	---	1	7.50	---	1	1	M; ARROWS
6-9	211+70, RT	R1-1	30x30	---	1	5.18	---	1	1	(CTH 0)
		R1-3P	18x6	---	---	0.75	---	---	---	(SHARES POST)
6-10	211+70, MEDIAN	R1-1	30x30	---	1	5.18	---	1	1	(CTH 0)
		R1-3P	18x6	---	---	0.75	---	---	---	(SHARES POST)
6-11	211+70, MEDIAN	R4-7	24x30	---	---	5.00	---	---	---	(SHARES POST)
6-12	211+75, ISLAND	J13-2	48x45	---	1	15.00	---	---	---	M, 0; LT, RT
6-13	10+27, ISLAND	R1-1	30x30	---	1	5.18	---	---	---	(CTH M)
		R1-3P	18x6	---	---	0.75	---	---	---	(SHARES POST)
6-14	10+45, ISLAND	W12-1D	24x24	1	---	---	4.00	---	---	
6-15	212+69, MEDIAN	R4-7	24x30	---	---	5.00	---	---	---	(SHARES POST)
6-16	212+69, MEDIAN	R1-1	30x30	---	1	5.18	---	1	1	(CTH M)
		R1-3P	18x6	---	---	0.75	---	---	---	(SHARES POST)
6-17	212+66, LT	R1-1	30x30	---	1	5.18	---	1	1	(CTH M)
		R1-3P	18x6	---	---	0.75	---	---	---	(SHARES POST)
6-18	213+08, MEDIAN	R4-7	24x30	---	1	5.00	---	---	---	
6-19	213+61, RT	R2-1	24x30	---	1	5.00	---	1	1	"35"
6-20	214+61, RT	M1-5A	24x24	1	---	4.00	---	1	1	M
6-21	214+51, LT	J13-2	48x45	---	1	15.00	---	1	1	0, M; UP, AHEAD/RT
6-22	215+34, LT	I2-3	72x24	---	1	8.00	---	1	1	BARRE MILLS
6-23	217+48, LT	J1-1	24x39	---	1	6.50	---	1	1	JCT, 0
6-24	212+66, LT	J13-2	48x45	---	1	15.00	---	1	1	0, M; UP, RT
PROJECT TOTALS				5	34	244.05	28.25	34	34	

MOVING SIGNS TYPE II & SMALL SIGN SUPPORTS					
SIGN NO.	MOVED FROM STATION/LOCATION	MOVED TO STATION/LOCATION	638.2102	638.4000	REMARKS
			SIGNS EACH	SUPPORTS EACH	
2-5	51+90, RT	51+90, RT	1	1	HIDDEN ENTRANCE
PROJECT TOTALS			1	1	

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

MARKING LINE EPOXY 4-INCH

STATION TO STATION	LOCATION	DESCRIPTION	646.1020	
			WHITE LF	YELLOW LF
10+13 - 54+05	CTH M	EDGE LINE/CENTERLINE	8866	5354
206+00 - 218+30	CTH O	EDGE LINE/CENTERLINE	3052	4393
SUBTOTALS			11918	9747
PROJECT TOTAL			21665	

MARKING LINE SAME DAY EPOXY 4-INCH

STATION TO STATION	LOCATION	DESCRIPTION	646.4520
			LF
206+00 - 218+30	CTH O/CTH M	CENTERLINE	4393
PROJECT TOTAL			4393

MARKING STOP LINE EPOXY 18-INCH

STATION	LOCATION	LF	646.6120
			LF
10+24	CTH M	16	
10+45	CTH M	24	
211+68	CTH O	12	
212+69	CTH O	17	
PROJECT TOTAL			69

MARKING DIAGONAL EPOXY 12-INCH

STATION TO STATION	LOCATION	COLOR	646.7120
			LF
207+75 - 211+00	CTH O	YELLOW	105
213+10 - 215+75	CTH M	YELLOW	81
PROJECT TOTAL			186

MARKING PARKING STALL EPOXY

STATION TO STATION	LOCATION	COLOR	646.8320
			LF
214+70 - 217+18	CTH M	WHITE	104
PROJECT TOTAL			104

LOCATING NO-PASSING ZONE

STATION TO STATION	LOCATION	648.0100
		MI
10+13 - 54+05	CTH M	0.83
PROJECT TOTAL		0.83

TEMPORARY MARKING LINE PAINT 4-INCH

STATION TO STATION	LOCATION	STAGE	DESCRIPTION	649.0105	
				WHITE LF	YELLOW LF
404+50 - 419+50	CTH M/O	2	EDGE LINES/CENTERLINE	3000	3000
404+50 - 419+50	CTH M/O	3	EDGE LINES/CENTERLINE	560	3124
404+50 - 419+50	CTH M/O	4	EDGE LINES/CENTERLINE	1530	---
SUBTOTALS				5090	6124
PROJECT TOTAL				11214	

CONSTRUCTION STAKING

STATION TO STATION	LOCATION	LF	650.4500	650.5000	650.9920
			SUBGRADE	BASE	SLOPE STAKES
10+13 - 54+05	CTH M	4392	4392	4392	
206+00 - 218+30	CTH O	1230	1230	1230	
8+70 - 9+80	OLD CTH M	110	110	110	
10+20 - 12+00	WOLTER RD	180	180	180	
404+50 - 419+49	WIDENING	1499	1499	1499	
PROJECT TOTALS		7411	7411	7411	

CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER

STATION TO STATION	LOCATION	650.5500
		LF
210+00 - 217+50	RT, CTH O	761
210+00 - 12+75	NW QUAD, CTH O/CTH M INT	376
12+75 - 217+50	NE QUAD, CTH O/CTH M INT	776
	WEST ISLAND, CTH O	120
	EAST ISLAND, CTH O	101
	SAFETY ISLAND CTH M	86
49+50 - 11+75	SE QUAD, CTH M/WOLTER RD INT	290
10+62 - 53+60	NE QUAD, CTH M/WOLTER RD INT	250
PROJECT TOTAL		1999

CONSTRUCTION STAKING PIPE CULVERTS

STATION	LOCATION	650.6000
		EACH
14+16	CTH M	1
22+50	CTH M	1
26+91	CTH M	1
26+91	CTH M	1
43+14	CTH M	1
49+23	CTH M	1
PROJECT TOTAL		6

MAILBOXES

LOCATION	SPV.0060.01	SPV.0060.02
	REMOVE AND RESET MAILBOXES EACH	TEMPORARY MAILBOX STATION EACH
PROJECT	18	2
PROJECT TOTALS		18 2

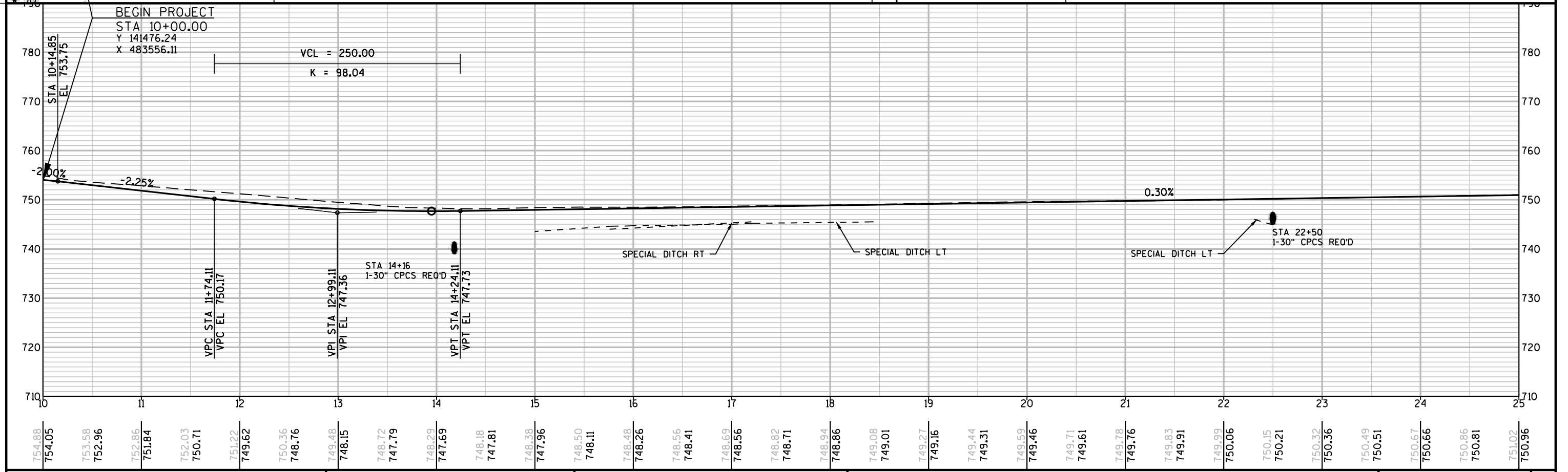
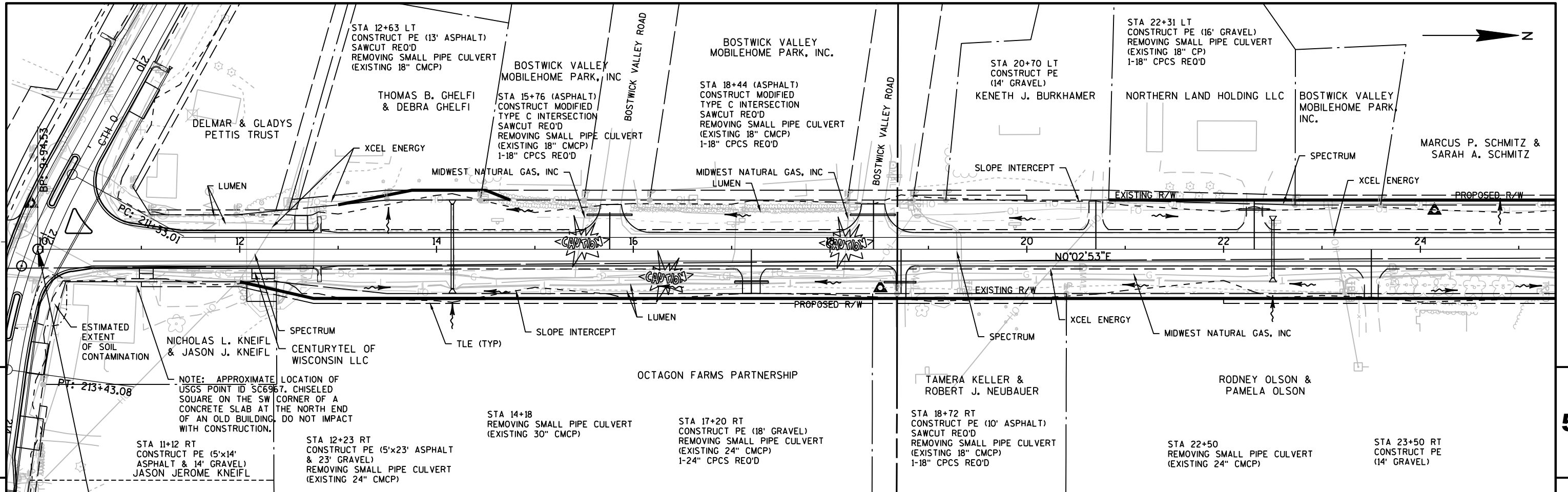
SAWING

			690.0150	690.0250
STATION TO STATION		LOCATION	ASPHALT LF	CONCRETE LF
STORM SEWER PLACEMENT			1	---
410+34 - 411+11	TEMP WIDENING CTH O	1	70	---
410+68 - 412+42	TEMP WIDENING CTH M	1	210	---
411+91 - 412+62	TEMP WIDENING CTH M	1	77	---
412+92	TEMP WIDENING CTH M	1	38	---
414+96 - 415+60	TEMP WIDENING CTH M	1	94	---
12+63	CTH M, LT		12	---
15+76	BOSTWICK VALLEY RD		21	---
18+44	BOSTWICK VALLEY RD		24	---
18+72	CTH M, RT		10	---
47+10	CTH M, RT		10	---
50+21	CTH M, RT		31	---
54+05	CTH M		29	---
205+70	CTH O, RT		---	16
206+00	CTH O		29	---
208+25	CTH O, RT		56	---
210+32	CTH O, LT		---	35
212+68 - 214+10	CTH M, LT		143	---
215+25	CTH M, LT		12	---
216+50	CTH M, RT		12	---
218+30	CTH M		24	---
8+70	OLD CTH M		17	---
11+55	LT, WOLTER RD		23	---
12+00	WOLTER RD		10	---
PROJECT TOTALS			1327	51

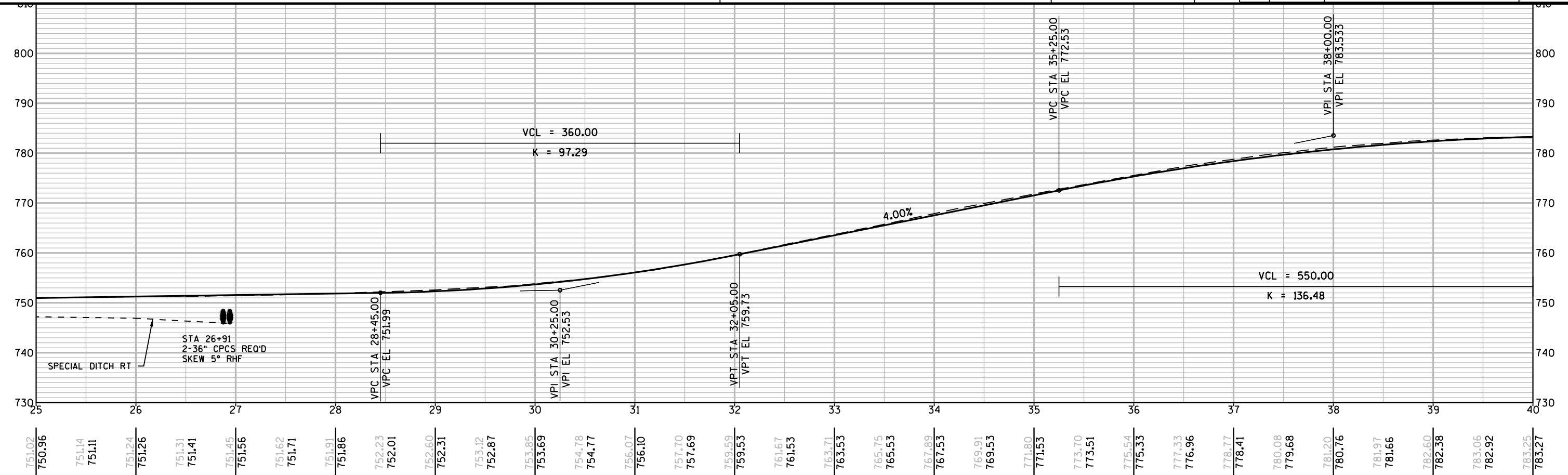
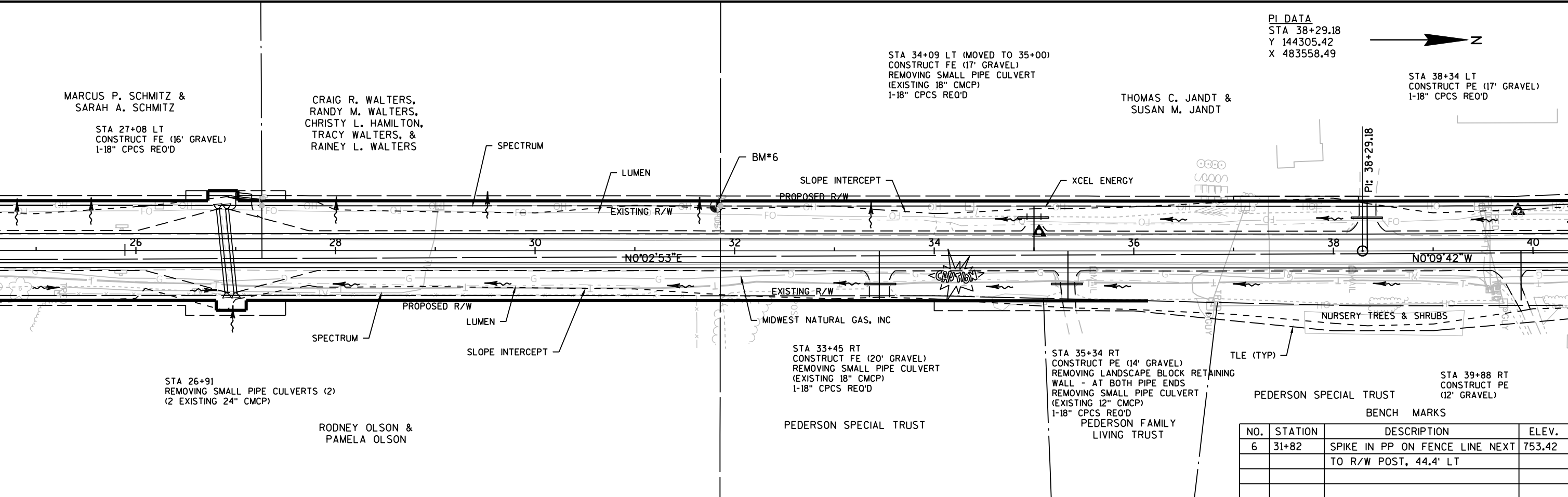
SALVAGE ASPHALTIC PAVEMENT ITEMS

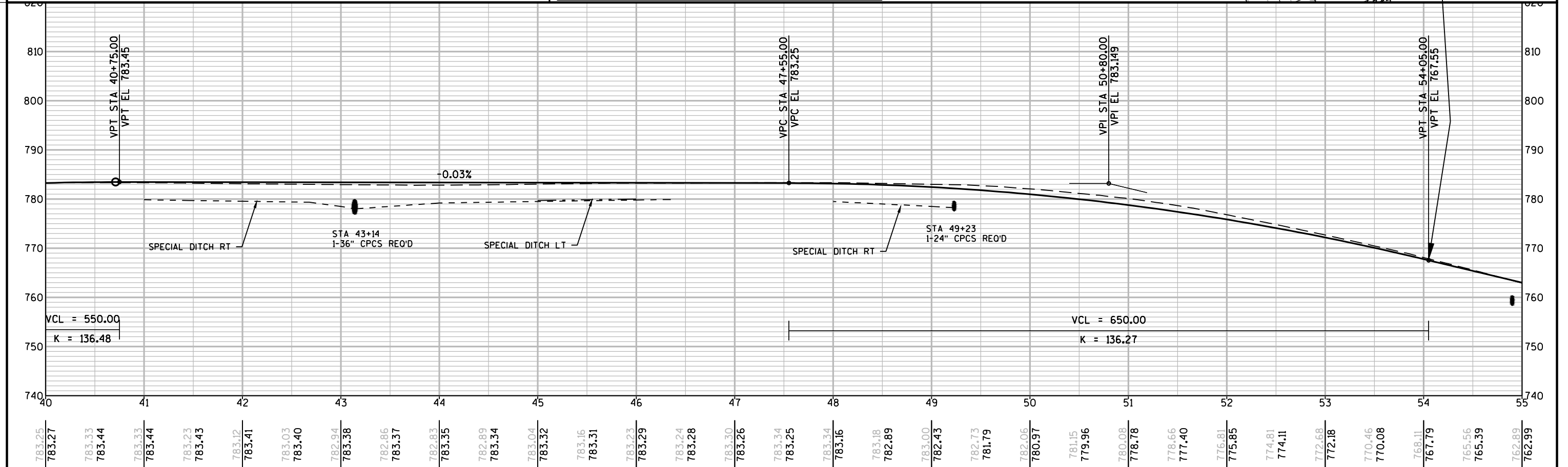
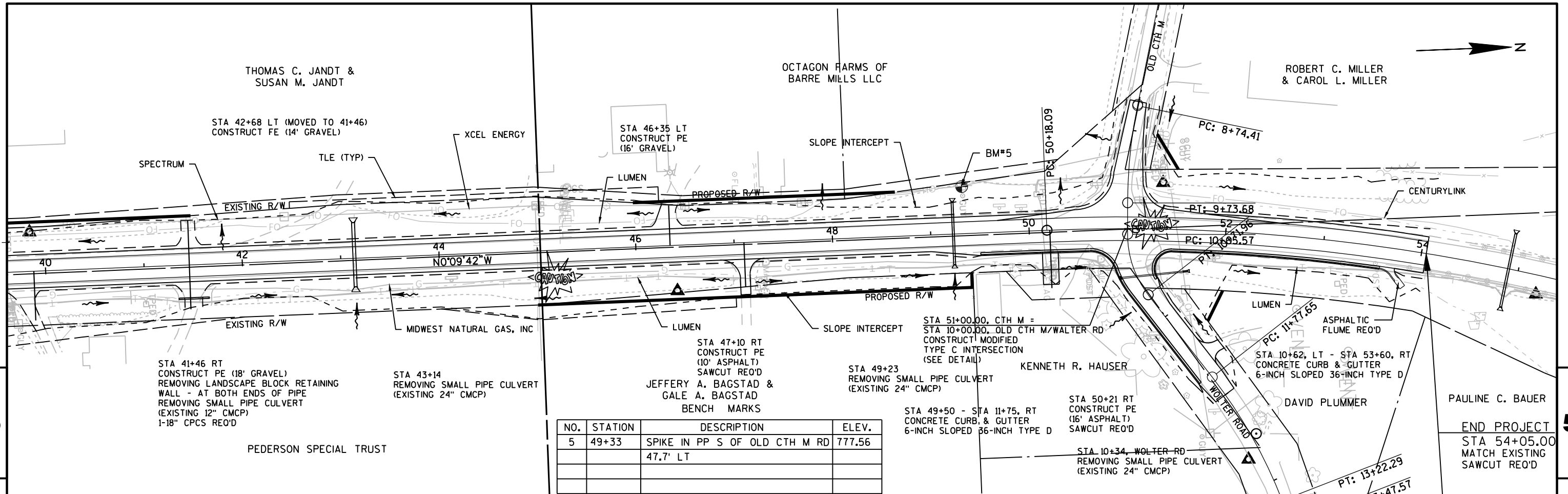
STATION TO STATION	LOCATION	SPV.0195.01	
		SPV.0180.01 SALVAGE ASPHALTIC PAVEMENT SY	SALVAGED ASPHALTIC PAVEMENT BASE TON
10+13 - 54+05	CTH M	13134	5668
PROJECT TOTALS		13134	5668

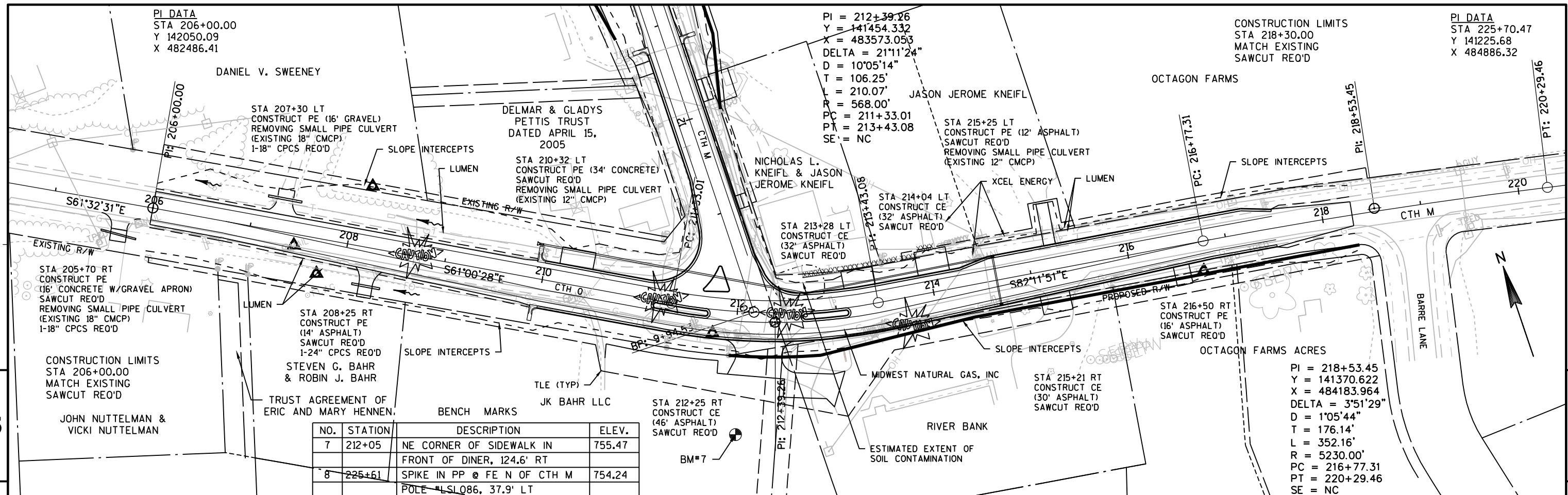
ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED



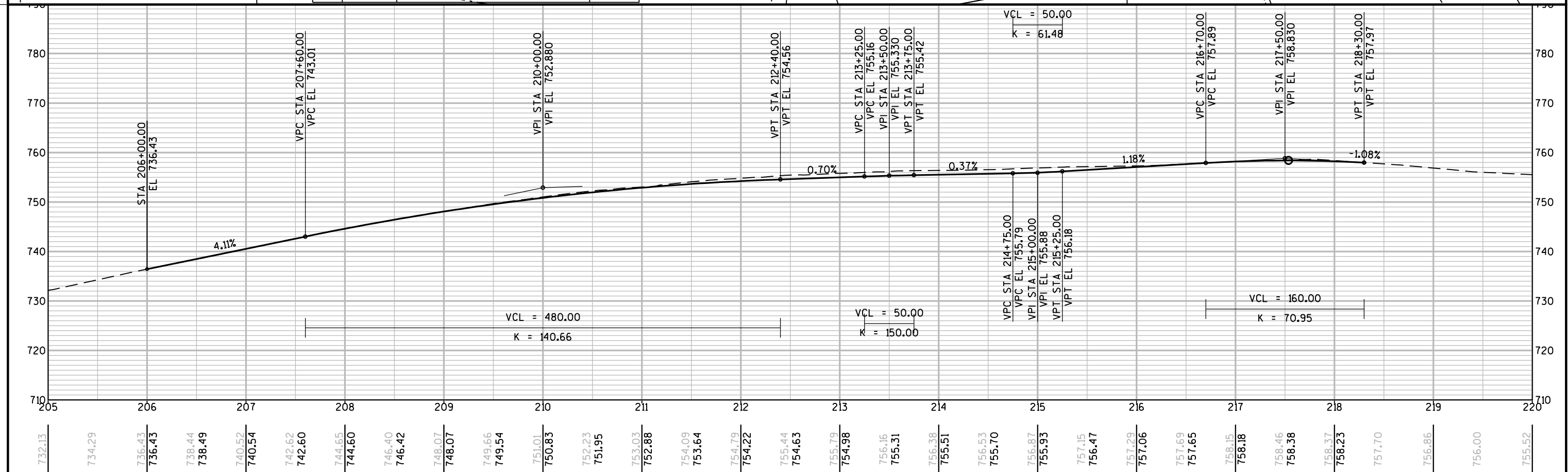
PROJECT NO:5436-00-71	HWY:CTH M	COUNTY:LA CROSSE	PLAN AND PROFILE: CTH M	SHEET	E
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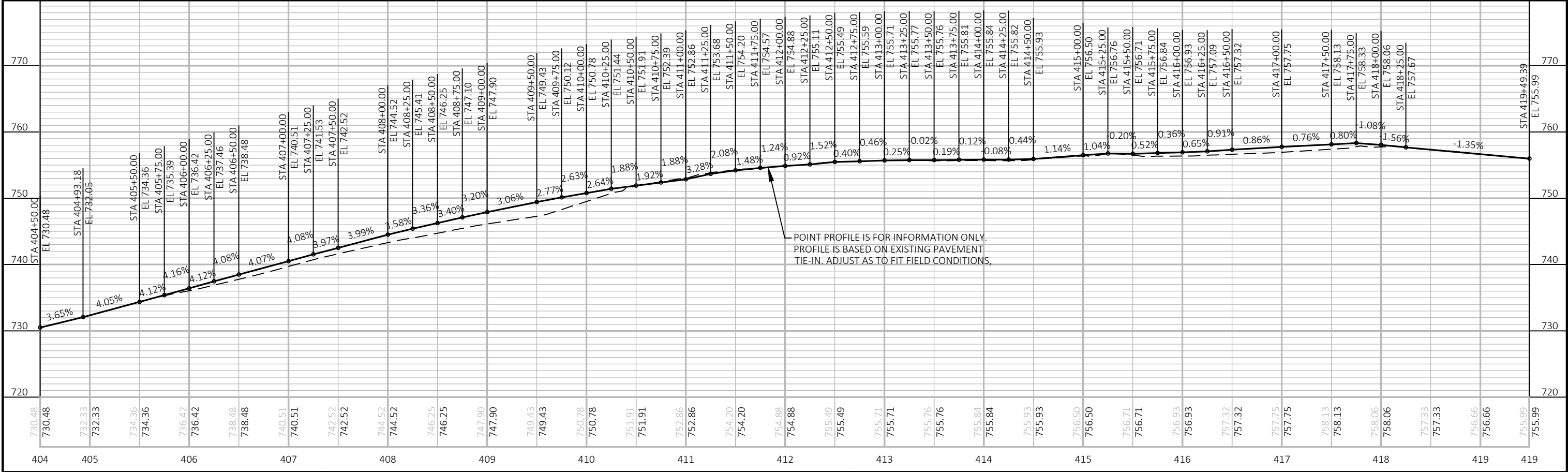
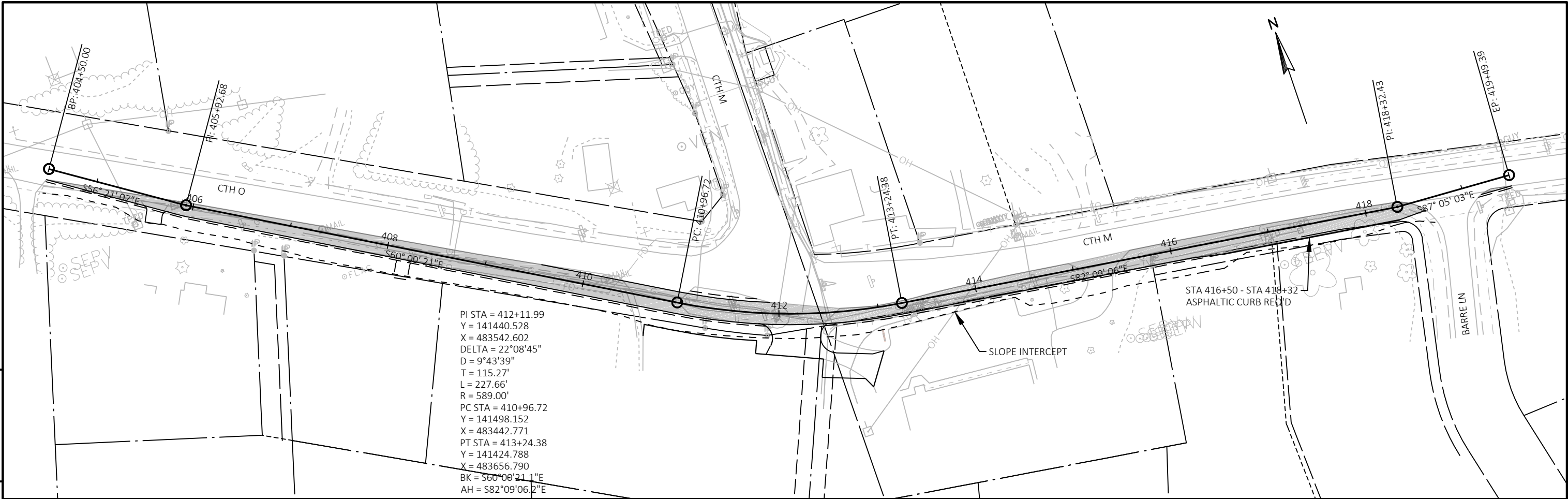






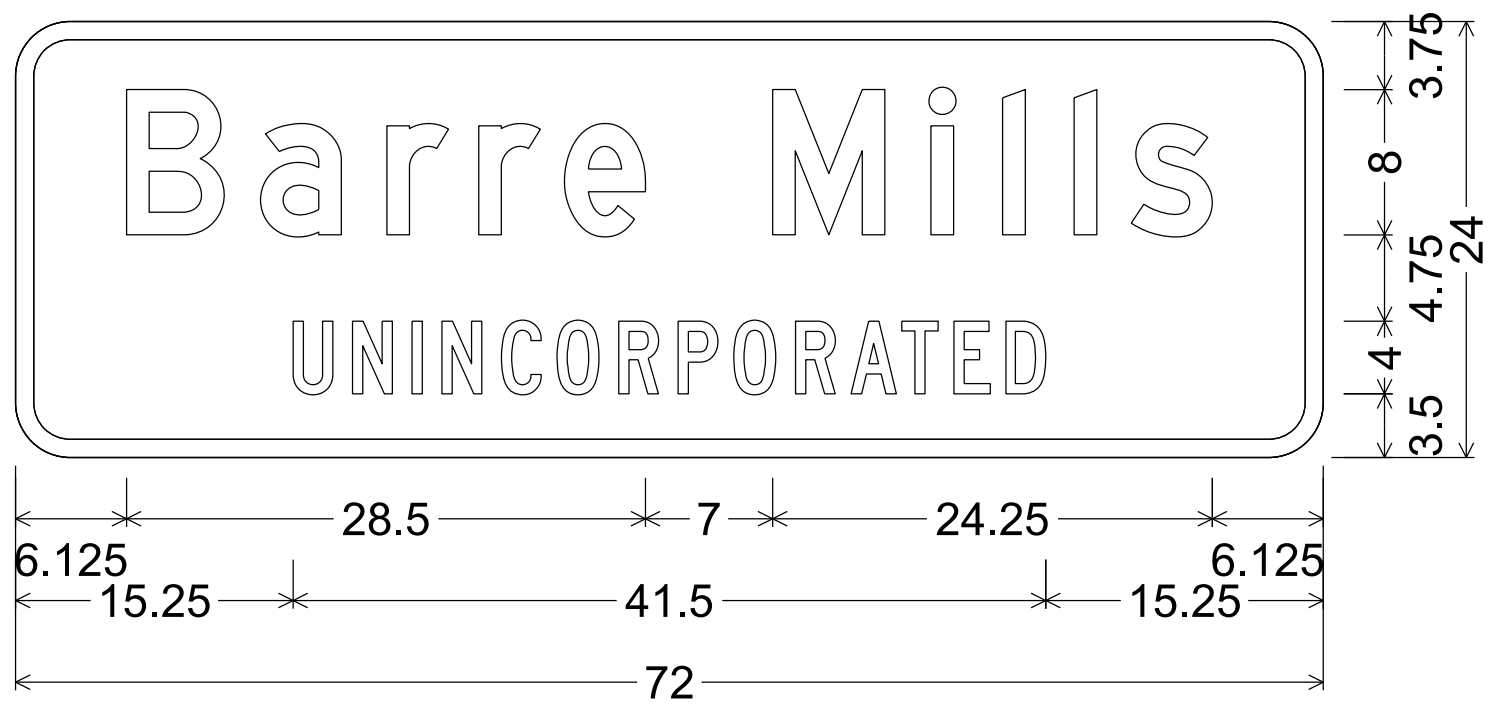
NO.	STATION	DESCRIPTION	ELEV.
7	212+05	NE CORNER OF SIDEWALK IN FRONT OF DINER, 124.6' RT	755.47
8	225+61	SPIKE IN PP @ FE N OF CTH M POLE #LSLO86, 37.9' LT	754.24





NOTES

- 1. Signs are Type II - Type H Reflective
- 2. Color:
Background - Green
Message - White
- 3. Message Series - As noted



I2-3; 3.000" Radius, 1.000" Border,
"Barre", D; "Mills", D; "UNINCORPORATED", C

7

7

DIVISION -- ALIGNMENT - CTH M EXISTING

STATION	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
	CUT	FILL	CUT	FILL	CUT	EXPANDED	MASS
					1.00	1.30	ORDINATE
10+25	172.87	0.00	0	0	0	0	0
10+50	157.46	1.27	153	1	153	1	152
10+75	191.79	0.76	162	1	315	3	312
11+00	179.60	2.41	172	1	487	4	483
11+06	177.32	2.92	40	1	527	5	522
11+25	166.74	7.89	121	4	648	10	638
11+50	163.56	13.11	153	10	801	23	778
11+75	171.22	20.01	155	15	956	43	913
12+00	174.14	29.47	160	23	1,116	73	1,043
12+25	189.16	16.60	168	21	1,284	100	1,184
12+50	179.06	23.22	170	18	1,454	124	1,331
12+63	193.26	30.18	90	13	1,544	140	1,404
12+75	172.69	43.36	81	16	1,625	161	1,464
13+00	174.03	8.68	161	24	1,786	192	1,594
14+00	132.34	72.18	567	150	2,353	387	1,966
14+16	127.31	72.57	77	43	2,430	443	1,987
15+00	124.80	27.29	392	155	2,822	645	2,177
15+76	180.49	0.00	430	38	3,252	694	2,558
16+00	159.11	7.73	151	3	3,403	698	2,705
17+00	145.81	9.50	565	32	3,968	740	3,228
17+20	168.73	5.48	116	6	4,084	748	3,337
18+00	148.35	7.52	470	19	4,554	772	3,782
18+44	180.87	1.58	268	7	4,822	781	4,041
18+72	204.65	1.24	200	1	5,022	783	4,239
19+00	167.27	5.21	193	3	5,215	787	4,429
20+00	158.97	4.70	604	18	5,819	810	5,009
20+70	189.42	3.19	452	10	6,271	823	5,448
21+00	126.45	4.76	175	4	6,446	828	5,618
22+00	96.43	23.03	413	51	6,859	894	5,965
22+31	137.92	10.46	135	19	6,994	919	6,075
22+50	120.66	28.31	91	14	7,085	937	6,148
23+00	114.62	20.62	218	45	7,303	996	6,307
23+50	154.93	21.67	250	39	7,553	1,047	6,507
24+00	134.81	16.69	268	36	7,821	1,093	6,728
25+00	146.20	11.35	520	52	8,341	1,161	7,180
26+00	115.16	37.58	484	91	8,825	1,279	7,546
26+91	100.83	111.83	364	252	9,189	1,607	7,582
27+00	94.04	108.71	32	37	9,221	1,655	7,566
28+00	101.02	20.64	361	240	9,582	1,967	7,615
29+00	114.17	11.74	399	60	9,981	2,045	7,936
30+00	111.01	14.10	417	48	10,398	2,107	8,291
31+00	102.26	30.35	395	82	10,793	2,214	8,579
32+00	105.88	34.11	385	119	11,178	2,369	8,809
33+00	128.06	25.85	433	111	11,611	2,513	9,098
33+45	144.25	11.25	227	31	11,838	2,553	9,285

DIVISION -- ALIGNMENT - CTH M EXISTING

STATION	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
	CUT	FILL	CUT	FILL	CUT	EXPANDED	MASS
					1.00	1.30	ORDINATE
34+00	139.43	4.08	289	16	12,127	2,574	9,553
34+09	152.38	3.11	49	1	12,176	2,575	9,601
35+00	173.66	0.97	549	7	12,725	2,584	10,141
35+34	210.38	2.17	242	2	12,967	2,587	10,380
36+00	172.26	6.00	468	10	13,435	2,600	10,835
37+00	241.03	5.36	765	21	14,200	2,627	11,573
38+00	342.05	0.00	1,080	10	15,280	2,640	12,640
38+34	363.41	0.00	444	0	15,724	2,640	13,084
39+00	276.44	0.14	782	0	16,506	2,640	13,866
39+88	217.62	9.60	805	16	17,311	2,661	14,650
40+00	201.86	9.79	93	4	17,404	2,666	14,738
41+00	136.31	24.37	626	63	18,030	2,748	15,282
41+46	120.32	25.47	219	42	18,249	2,803	15,446
42+00	91.99	41.37	212	67	18,461	2,890	15,571
42+68	84.51	63.62	222	132	18,683	3,062	15,622
43+00	106.09	69.31	113	79	18,796	3,164	15,632
43+14	106.24	75.41	55	38	18,851	3,214	15,637
44+00	115.81	56.16	354	210	19,205	3,487	15,718
45+00	311.49	14.25	791	130	19,996	3,656	16,340
46+00	213.20	2.34	972	31	20,968	3,696	17,272
46+35	197.09	1.56	266	3	21,234	3,700	17,534
47+00	194.93	0.56	472	3	21,706	3,704	18,002
47+10	187.97	0.59	71	0	21,777	3,704	18,073
48+00	140.11	8.76	547	16	22,324	3,725	18,600
49+00	171.17	2.64	576	21	22,900	3,752	19,148
49+23	181.00	6.55	150	4	23,050	3,757	19,293
49+50	147.13	16.89	164	12	23,214	3,773	19,441
49+75	150.88	12.80	138	14	23,352	3,791	19,561
50+00	157.13	8.20	143	10	23,495	3,804	19,691
50+25	204.70	0.00	168	4	23,663	3,809	19,854
50+50	183.23	0.00	180	0	23,843	3,809	20,034
50+75	219.14	7.50	186	3	24,029	3,813	20,216
51+00	178.34	0.00	184	3	24,213	3,817	20,396
51+50	210.33	11.97	360	11	24,573	3,831	20,742
51+75	208.32	12.27	194	11	24,767	3,845	20,922
52+00	249.64	15.69	212	13	24,979	3,862	21,117
52+25	226.96	15.40	221	14	25,200	3,881	21,320
52+50	199.64	19.76	198	16	25,398	3,901	21,497
52+75	193.77	20.00	182	18	25,580	3,925	21,655
53+00	200.85	17.83	183	18	25,763	3,948	21,815
53+26.9	229.55	19.84	214	19	25,977	3,973	22,004
53+40	223.09	14.60	110	8	26,087	3,983	22,104
53+50	238.71	15.93	86	6	26,173	3,991	22,182
53+75	300.98	9.73	250	12	26,423	4,007	22,416

DIVISION -- ALIGNMENT - PROPOSED CTH O ALIGNMENT

STATION	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
	CUT	FILL	CUT	FILL	CUT	EXPANDED	MASS
					1.00	FILL 1.30	ORDINATE
206+00	125.92	59.00	0	0	0	0	0
206+50	127.38	26.52	235	79	235	103	132
207+00	164.54	1.75	270	26	505	137	369
207+30	202.65	0.08	204	1	709	138	571
207+50	218.35	0.27	156	0	865	138	727
208+00	297.79	0.29	478	1	1,343	139	1,204
208+50	286.29	0.07	541	0	1,884	139	1,745
209+00	257.96	0.00	504	0	2,388	139	2,249
209+50	250.91	0.00	471	0	2,859	139	2,720
210+00	134.27	33.04	357	31	3,216	179	3,037
210+25	159.18	3.43	136	17	3,352	202	3,151
210+50	155.10	14.16	145	8	3,497	212	3,285
210+75	160.38	31.51	146	21	3,643	239	3,404
211+00	157.04	32.43	147	30	3,790	278	3,512
211+25	161.76	0.00	148	15	3,938	298	3,640
211+50	170.97	0.05	154	0	4,092	298	3,794
211+75	172.76	0.00	159	0	4,251	298	3,953
212+00	176.25	0.00	162	0	4,413	298	4,115
212+25	199.59	0.00	174	0	4,587	298	4,289
212+50	191.40	0.00	181	0	4,768	298	4,470
212+75	195.12	0.17	179	0	4,947	298	4,649
213+00	193.64	0.00	180	0	5,127	298	4,829
213+25	211.90	0.00	188	0	5,315	298	5,017
213+50	190.62	0.00	186	0	5,501	298	5,203
213+75	184.85	0.00	174	0	5,675	298	5,377
214+00	208.06	0.00	182	0	5,857	298	5,559
214+25	174.39	0.00	177	0	6,034	298	5,736
214+50	184.85	1.59	166	1	6,200	299	5,901
214+75	191.81	5.08	174	3	6,374	303	6,071
215+00	190.28	6.84	177	6	6,551	311	6,240
215+25	279.50	0.00	217	3	6,768	315	6,453
215+50	172.12	5.37	209	2	6,977	317	6,660
215+75	149.62	19.04	149	11	7,126	332	6,795
216+00	135.49	11.15	132	14	7,258	350	6,908
216+25	127.23	13.48	122	11	7,380	364	7,016
216+50	136.86	6.86	122	9	7,502	376	7,126
216+75	117.14	10.79	118	8	7,620	386	7,234
217+00	116.53	10.20	108	10	7,728	399	7,329
217+25	117.91	4.68	109	7	7,837	408	7,429
217+50.01	116.08	12.46	108	8	7,945	419	7,526
218+00	103.03	0.00	203	12	8,148	434	7,714
218+30	70.50	0.00	96	0	8,244	434	7,810

DIVISION -- OLD M - WOLTER

STATION	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
	CUT	FILL	CUT	FILL	CUT	EXPANDED	MASS
					1.00	FILL 1.30	ORDINATE
08+75	40.10	0.47	0	0	0	0	0
09+00	37.90	0.09	36	0	36	0	36
09+25	51.61	0.37	41	0	77	0	77
09+50	70.36	1.21	56	1	133	1	132
10+50	120.76	0.00	354	2	487	4	483
10+75	238.45	0.00	166	0	653	4	649
11+00	345.46	0.14	270	0	923	4	919
11+25	65.20	1.11	190	1	1,113	5	1,108
11+50	48.94	1.44	53	1	1,166	7	1,160
11+75	41.03	0.89	42	1	1,208	8	1,200
12+00	24.02	0.00	30	0	1,238	8	1,230

DIVISION -- TEMP-WIDENING

STATION	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
	CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
404+50	17.55	1.63	0	0	0	0	0
404+75	12.00	1.53	14	1	14	1	13
405+00	9.27	4.83	10	3	24	5	19
405+25	7.54	6.75	8	5	32	12	20
405+50	16.13	2.18	11	4	43	17	26
405+75	12.46	8.34	13	5	56	23	33
406+00	9.04	11.33	10	9	66	35	31
406+25	9.60	8.08	9	9	75	47	28
406+50	7.45	5.02	8	6	83	55	28
406+75	17.00	4.28	11	4	94	60	34
407+00	23.45	3.31	19	4	113	65	48
407+25	31.11	3.00	25	3	138	69	69
407+50	31.79	3.21	29	3	167	73	94
407+75	30.69	3.69	29	3	196	77	119
408+00	29.47	4.43	28	4	224	82	142
408+25	26.89	5.42	26	5	250	88	162
408+50	23.77	6.07	23	5	273	95	178
408+75	20.80	6.48	21	6	294	103	191
409+00	18.57	6.36	18	6	312	111	202
409+25	15.65	6.13	16	6	328	118	210
409+50	12.65	6.46	13	6	341	126	215
409+75	12.96	5.29	12	5	353	133	220
410+00	14.81	2.10	13	3	366	137	230
410+25	17.64	0.00	15	1	381	138	243
410+50	36.31	0.00	25	0	406	138	268
410+75	50.33	0.00	40	0	446	138	308
411+00	52.11	0.00	47	0	493	138	355
411+25	43.62	0.00	44	0	537	138	399
411+50	38.13	0.00	38	0	575	138	437
411+75	35.36	0.00	34	0	609	138	471
412+00	35.36	0.00	33	0	642	138	504
412+25	35.87	0.00	33	0	675	138	537
412+50	29.20	0.00	30	0	705	138	567
412+75	27.97	0.00	26	0	731	138	593

DIVISION -- TEMP-WIDENING

STATION	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
	CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
413+00	24.50	0.00	24	0	755	138	617
413+25	22.21	0.00	22	0	777	138	639
413+50	21.98	0.00	20	0	797	138	659
413+75	20.64	0.00	20	0	817	138	679
414+00	19.43	0.00	19	0	836	138	698
414+25	19.22	0.00	18	0	854	138	716
414+50	31.02	0.00	23	0	877	138	739
414+75	34.55	0.00	30	0	907	138	769
415+00	34.17	0.00	32	0	939	138	801
415+25	38.87	0.00	34	0	973	138	835
415+50	26.85	0.00	30	0	1,003	138	865
415+75	23.47	0.03	23	0	1,026	138	888
416+00	32.87	0.03	26	0	1,052	138	914
416+25	35.22	0.01	32	0	1,084	138	946
416+50	15.65	0.00	24	0	1,108	138	970
416+75	18.59	0.00	16	0	1,124	138	986
417+00	23.47	0.00	19	0	1,143	138	1,005
417+25	31.52	0.00	25	0	1,168	138	1,030
417+50	40.72	0.00	33	0	1,201	138	1,063
417+75	42.09	0.00	38	0	1,239	138	1,101
418+00	38.72	0.00	37	0	1,276	138	1,138
418+25	29.93	0.00	32	0	1,308	138	1,170
418+50	22.40	0.96	24	0	1,332	138	1,194
418+75	0.00	0.00	10	0	1,342	138	1,204
419+00	0.00	0.00	0	0	1,342	138	1,204
419+25	0.00	0.00	0	0	1,342	138	1,204
419+49.386	0.00	0.00	0	0	1,342	138	1,204