

PROJECT ID: 6060-01-70
WITH: N/A

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 =



DESIGN DESIGNATION

A.A.D.T.	2022	=	2,740
A.A.D.T.	2042	=	3,160
D.H.V.	2042	=	134
D.D.		=	57/33
T.		=	13.9%
DESIGN SPEED		=	55 MPH
ESALS		=	700,000

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	
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	
MARSH AREA	
WOODED OR SHRUB AREA	

PROFILE	
GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
UTILITIES	
ELECTRIC	
FIBER OPTIC	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

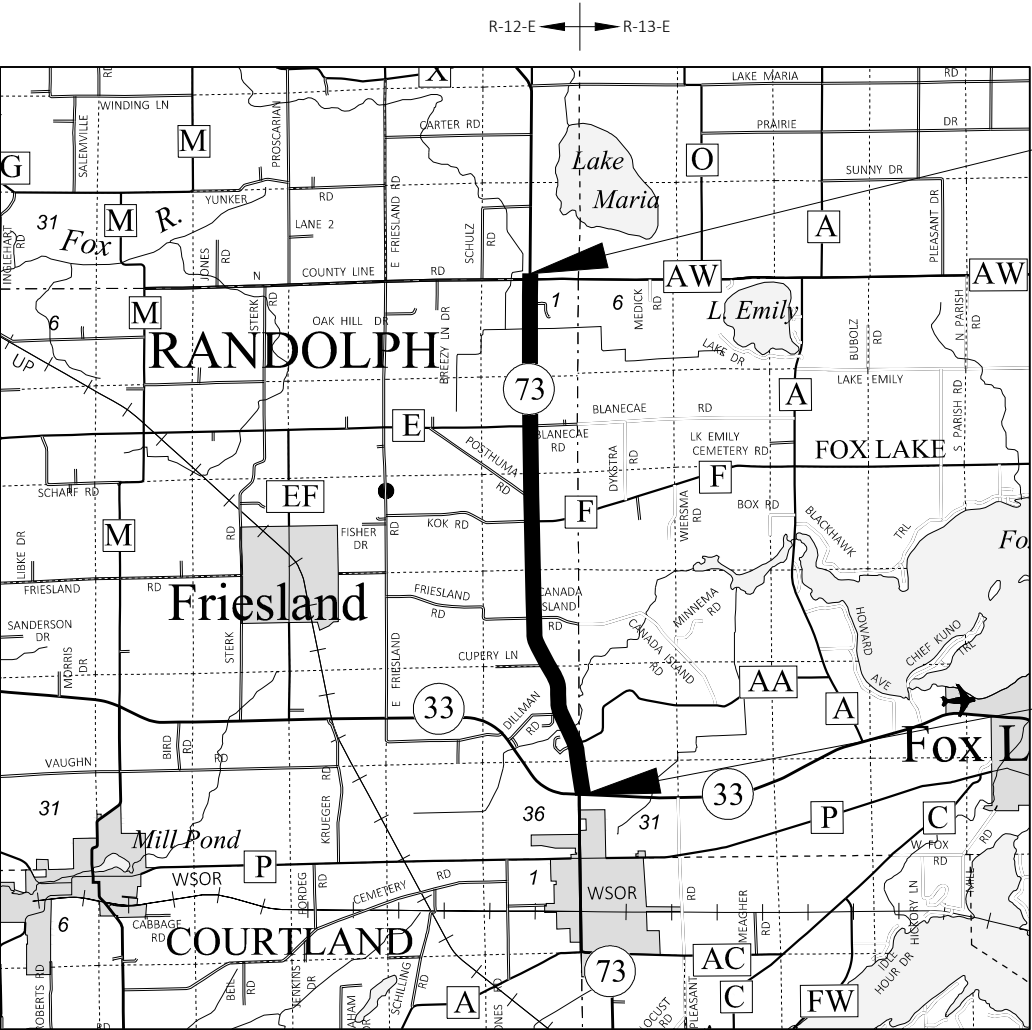
COLUMBUS - PRINCETON

STH 33 TO N COUNTY LINE ROAD

STH 73

COLUMBIA COUNTY

STATE PROJECT NUMBER
6060-01-70



LAYOUT
SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 5.480 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), COLUMBIA COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 18.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6060-01-70		

TRANS 220
PROJECT PLAN
FOR
DESIGN OF UTILITY FACILITY
ALTERATIONS OR RELOCATIONS

Date: SUBMITTAL #1 - 9/16/2020

END PROJECT
STA 297+76.69
Y= 428,482.280
X= 654,972.119

BEGIN PROJECT
STA 10+00.00
Y= 400,209.988
X= 657,659.372

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	NE REGION
Designer	K. BERG
Project Manager	K. TREML
Regional Examiner	
Regional Supervisor	R. WAGNER
APPROVED FOR THE DEPARTMENT	
DATE:	(Signature)

GENERAL NOTES

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

ORDER OF SECTION 2 DETAIL SHEETS

- GENERAL NOTES
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
- PLAN DETAILS
- TRAFFIC CONTROL
- DETOUR PLAN
- ALIGNMENT PLAN

DNR LIAISON

ERIC HEGGELUND
SOUTH CENTRAL REGION
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
(608)228-7927
eric.heggelund@wisconsin.gov

COLUMBIA COUNTY HIGHWAY COMMISSIONER

CHRIS HARDY, PE
338 OLD HIGHWAY 16 WEST
WYOCENA, WI 53969-0875
(608)429-2136

NE REGION SURVEY COORDINATOR

CORMAC MCINNIS, RLS
944 VANDERPERREN WAY
GREEN BAY, WI 54304
(920)492-5638
cormac.mcinnis@dot.wi.gov

NE REGION DESIGN PROJECT MANAGER

KYLE TREML, PE
944 VANDERPERREN WAY
GREEN BAY, WI 54304
(920)360-7029
kyle.treml@dot.wi.gov

UTILITIES CONTACTS

TRANS 220 MAILBOX
ATC MANAGEMEN INC. - ELECTRICITY
801 O'KEEFE RD
DE PERE, WI 54115
(920) 338-6582
dl-atcdotnotifications@atcllc.com

MARY MONTGOMERY
ALLIANT ENERGY - ELECTRICITY
200 FIRST ST
CEDAR RAPIDS, IA 52401
(920) 786-4768
marymontgomery@alliantenergy.com

NICK FRASE
CHARTER COMMUNICATIONS - COMMUNICATION LINE
1515 WEST WASHINGTON STREET
WEST BEND, WI 53095
(920) 793-2216
nick.frase@charter.com

SHAWN PIETRZAK
ADAMS-COLUMBIA ELECTRIC COOPERATIVE - ELECTRICITY
P.O. BOX 70
FRIENDSHIP, WI 53934
(800) 831-8629
spietrzak@acecwi.com

KEVIN ZICKERT
CENTURYLINK - COMMUNICATION LINE
224 INDUSTRIAL DR
NORTH PRAIRIE, WI 53153
(262) 392-5200
kevin.zickert@centurylink.com

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38
	.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41	.56
MEDIAN STRIP- TURF	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30
	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40
SIDE SLOPE- TURF			.25			.27			.28			.30
			.32			.34			.36			.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 = _____ ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = _____ ACRES



Dial  or (800)242-8511

www.DiggersHotline.com

EMERGENCY CONTACT NUMBERS FOR WISCONSIN POWER AND LIGHT COMPANY

ELECTRIC 24 HOUR EMERGENCY SERVICE: 1-800-862-6261
GAS 24 HOUR EMERGENCY SERVICE: 1-800-862-6263

EMERGENCY CONTACT NUMBERS FOR WISCONSIN PUBLIC SERVICE

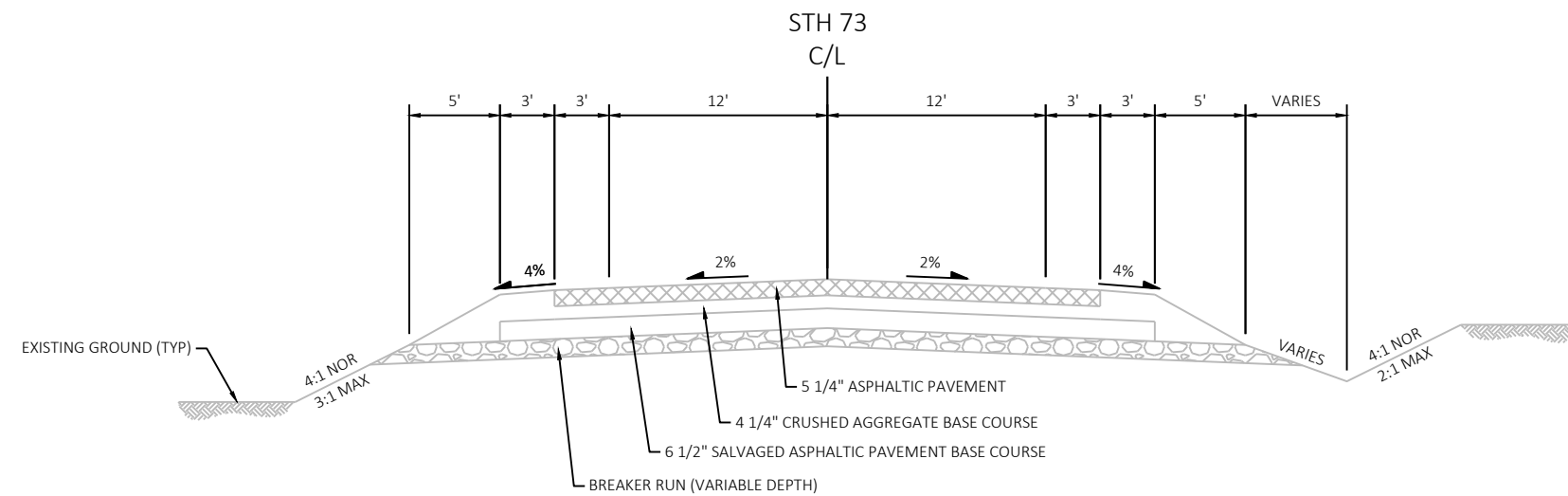
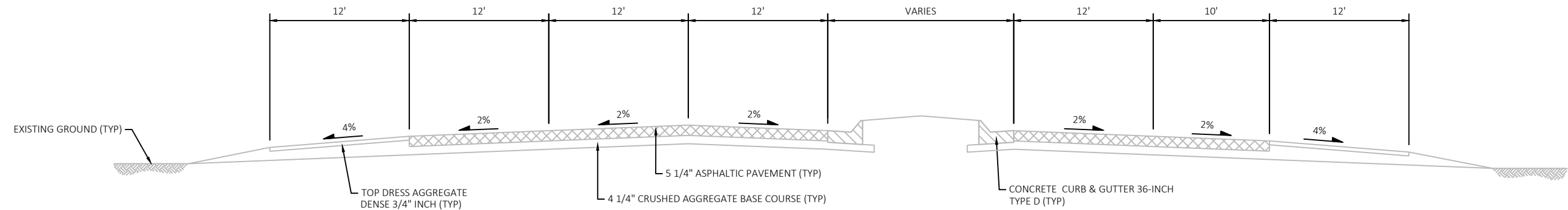
ELECTRIC 24 HOUR EMERGENCY SERVICE: 1-800-450-7240
GAS 24 HOUR EMERGENCY SERVICE: 1-800-450-7280

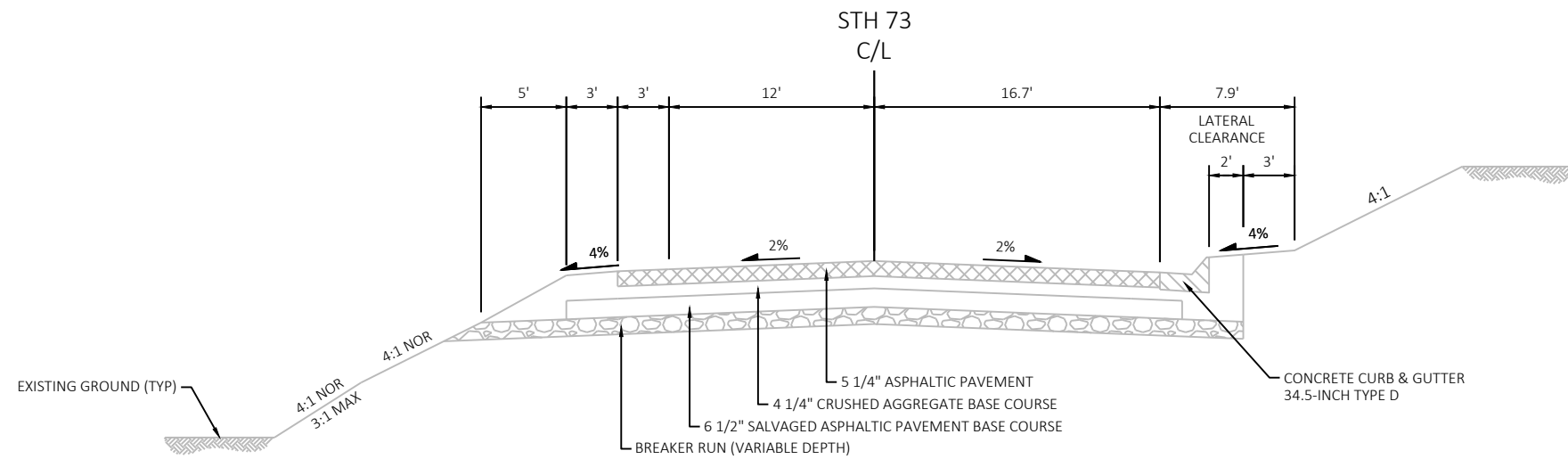
EMERGENCY CONTACT NUMBERS FOR WE ENERGIES

ELECTRIC 24 HOUR EMERGENCY SERVICE: 1-800-662-4797
GAS 24 HOUR EMERGENCY SERVICE: 1-800-261-5325



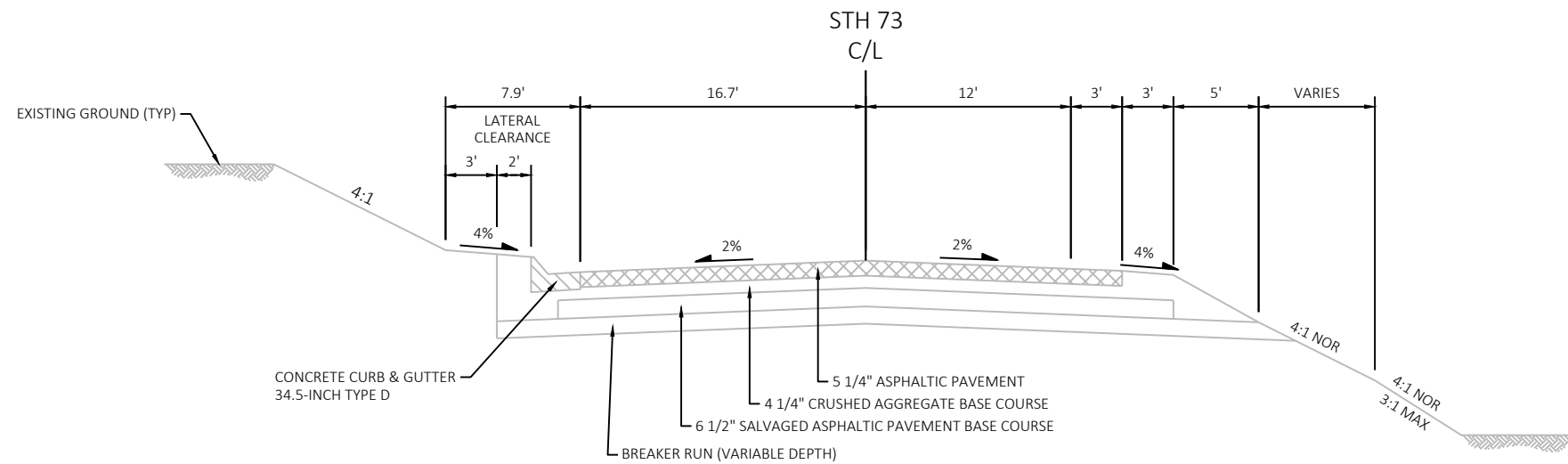
PROJECT NO: 6060-01-70	HWY: STH 73	COUNTY: COLUMBIA	PROJECT OVERVIEW	SHEET	E
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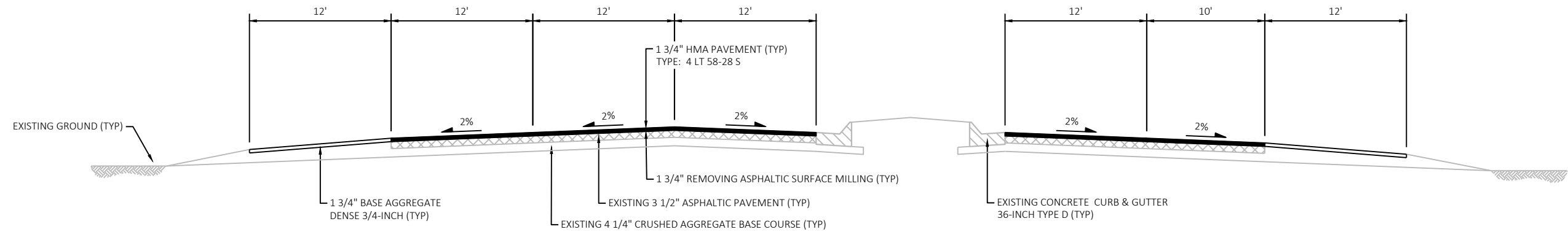
EXISTING TYPICAL SECTION STH 73

STA 45+50 TO STA 48+15
STA 208+15 TO STA 210+80



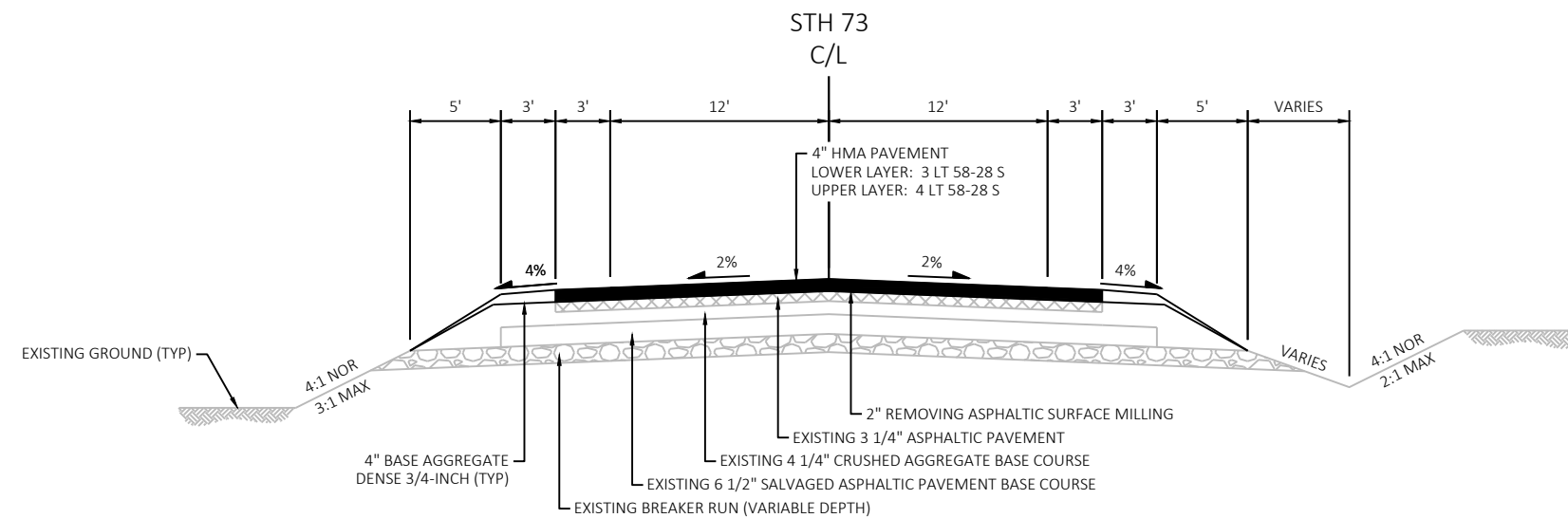
EXISTING TYPICAL SECTION STH 73

STA 62+55 TO STA 65+30
STA 100+95 TO STA 103+25
STA 130+80 TO STA 133+40



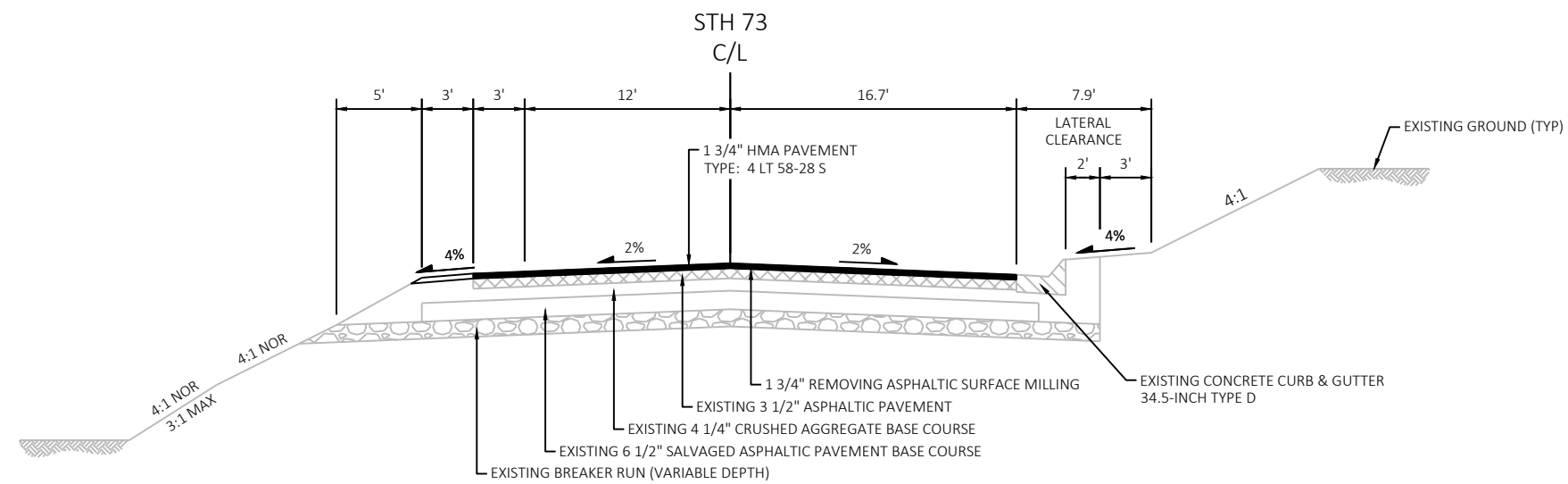
FINISHED TYPICAL SECTION STH 73

STA 10+00 TO STA 15+65



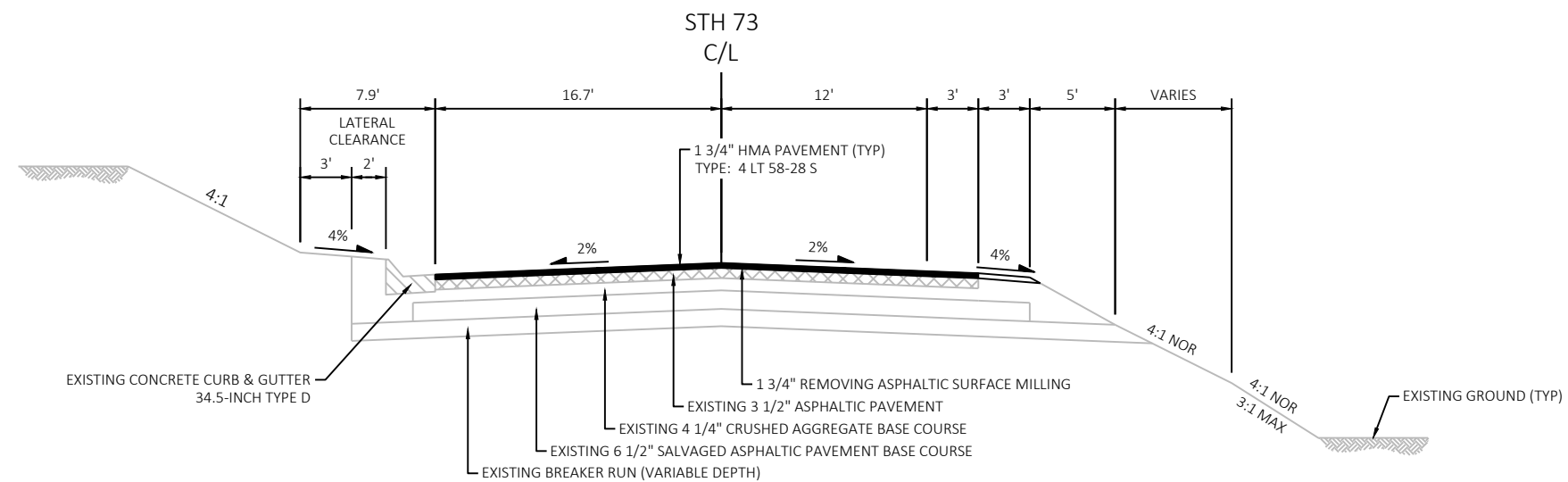
FINISHED TYPICAL SECTION STH 73

STA 15+65 TO STA 45+50
STA 48+15 TO STA 62+55
STA 65+30 TO STA 100+95
STA 103+25 TO STA 130+80
STA 133+40 TO STA 208+15
STA 210+80 TO STA 298+70



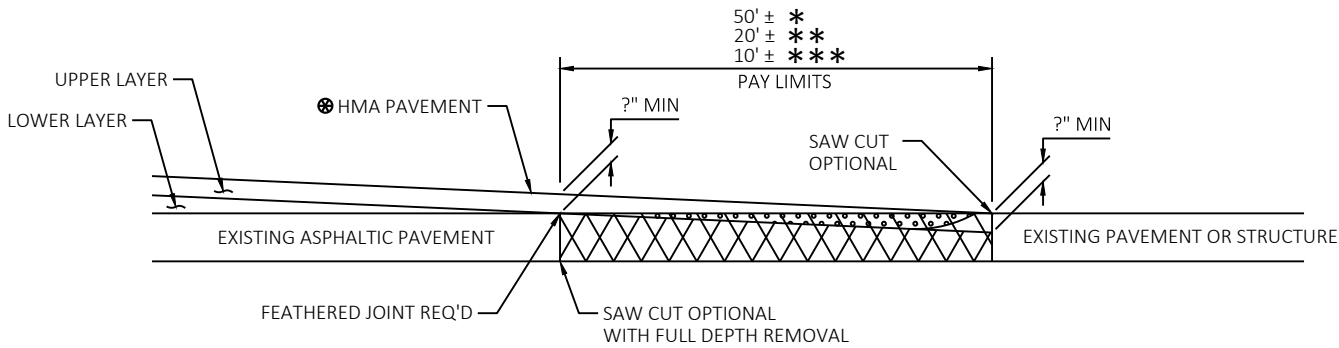
FINISHED TYPICAL SECTION STH 73

STA 45+50 TO STA 48+15
STA 208+15 TO STA 210+80



FINISHED TYPICAL SECTION STH 73

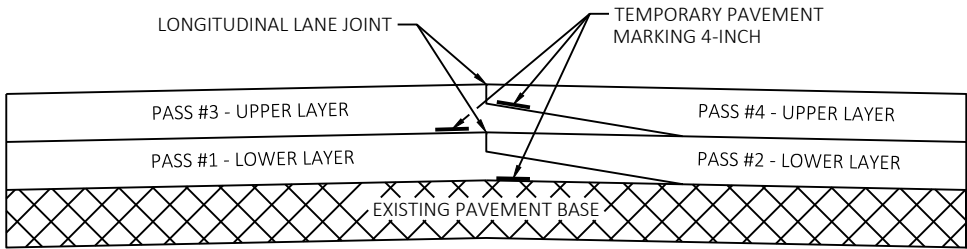
STA 62+55 TO STA 65+30
STA 100+95 TO STA 103+25
STA 130+80 TO STA 133+40



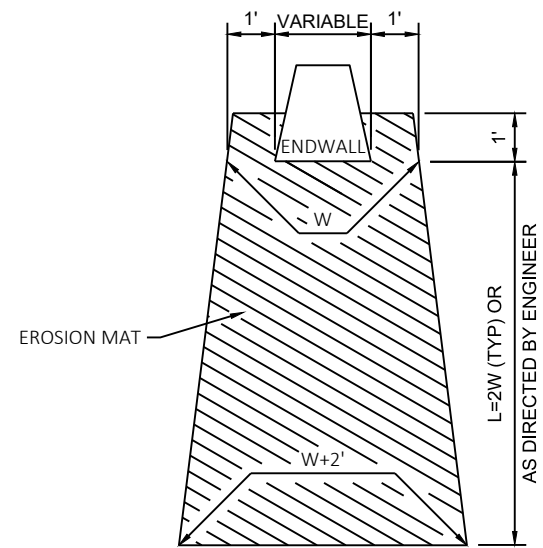
- ⊗ SEE TYPICAL CROSS SECTION FOR PAVEMENT TYPE AND THICKNESS OF INDIVIDUAL LAYERS
- REMOVING ASPHALTIC SURFACE, BUTT JOINTS (FULL DEPTH REMOVAL OPTIONAL)
 - ASPHALTIC WEDGING (FULL DEPTH REMOVAL OPTION)
 - REMOVING ASPHALTIC SURFACE, BUTT JOINTS (MILLING OPTION)

BUTT JOINT DETAIL FOR NON MILLED ASPHALTIC PAVEMENTS (PROFILE CHANGE)

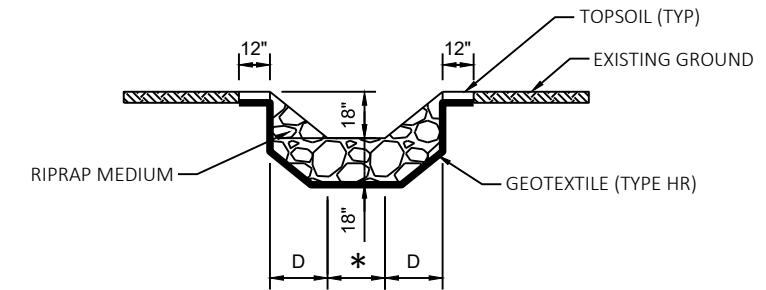
- * MAINLINE
- ** SIDEROADS
- *** PRIVATE ENTRANCES



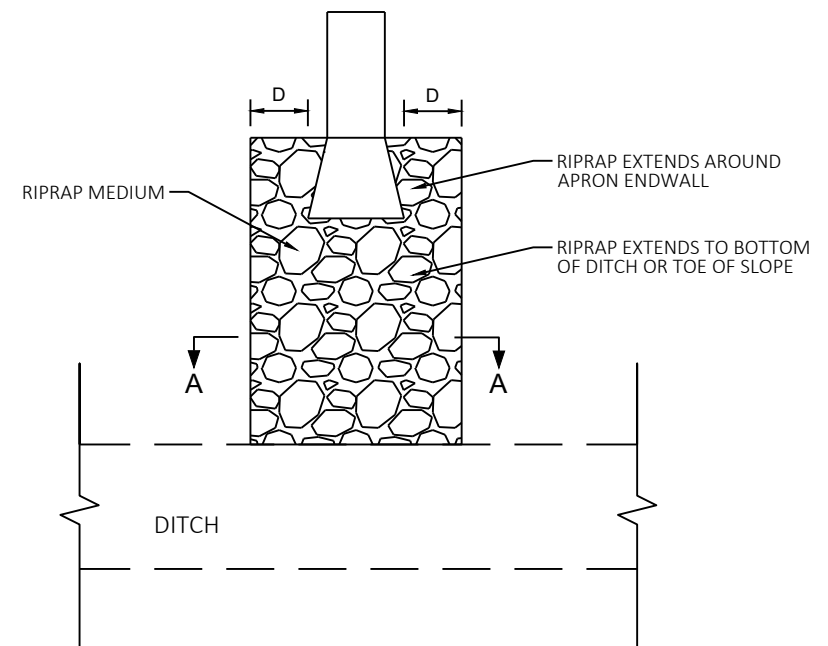
PAVEMENT MARKING DETAIL FOR TAPERED OVERLAPPING JOINTS IN HMA PAVEMENTS



EROSION MAT TREATMENT AT CULVERTS



* APRON ENDWALL WIDTH
D = PIPE DIAMETER



PLAN VIEW

RIPRAP TREATMENT AT STORM SEWER OUTFALLS

HMA PAVEMENT

				455.0605	460.5223	460.5224	
				TACK COAT	HMA PAVEMENT	HMA PAVEMENT	
CATEGORY	STATION TO STATION	OFFSET	LOCATION	GAL	3 LT 58-28 S	4 LT 58-28 S	REMARKS
0010	10+00 - 20+95	LT/RT	WIS 73	346	726	564	PROJECT BEGIN THROUGH MEDIAN SECTION
	20+95 - 35+96	LT/RT	WIS 73	300	630	490	End of median to CTH AA
	20+95 - 54+69	LT/RT	WIS 73	675	1421	1102	CTH AA to DILLMAN RD
	54+69 - 84+01	LT/RT	WIS 73	586	1237	958	DILLMAN RD to CUPERY LN
	84+01 - 110+78	LT/RT	WIS 73	535	1129	874	CUPERY LN to FRIESLAND RD
	110+78 - 163+88	LT/RT	WIS 73	1062	2236	1735	FRIESLAND RD to KOK RD
	163+88 - 178+29	LT/RT	WIS 73	288	605	471	KOK RD to POSTHUMA RD
	178+29 - 216+35	LT/RT	WIS 73	761	1602	1243	POSTHUMA RD to BLANECEA RD
	216+35 - 297+08	LT/RT	WIS 73	1615	3391	2637	BLAECEA RD to CTH AW
	297+08 - 297+76	LT/RT	WIS 73	14	29	22	CTH AW to END
	CTH AA (RT)	RT		45	94	73	
	CTH AA (LT)	LT		49	102	80	
	DILLMAN RD	LT		24	51	39	
	CUPERY LN	LT		24	51	39	
	FRIESLAND RD (RT)	RT		25	51	40	
	FRIESLAND RD (LT)	LT		25	52	40	
	KOK RD (RT)	RT		40	84	65	
	KOK RD (LT)	LT		24	50	39	
	POSTHUMA RD	LT		25	52	40	
	BLANECEA RD (RT)	RT		43	91	70	
	BLANECEA RD (LT)	LT		49	103	80	
	CTH AW (RT)	RT		54	113	88	
	CTH AW (LT)	LT		23	47	37	

TOTAL 6630 13947 10829

SAWING PAVEMENT SUMMARY

CATEGORY	LOCATION	OFFSET	690.0150
		LF	
0010	STH 73 / BEGINNING OF PROJECT	LT/RT	59
	CTH AA (RT)	RT	35
	CTH AA (LT)	LT	36
	DILLMAN RD	LT	31.5
	CUPERY LN	LT	28.9
	FRIESLAND RD (RT)	RT	30.6
	FRIESLAND RD (LT)	LT	31.7
	KOK RD (RT)	RT	31.8
	KOK RD (LT)	LT	32.1
	POSTHUMA RD	LT	31.9
	BLANECEA RD (RT)	RT	29.8
	BLANECEA RD (LT)	LT	32.3
	CTH AW (RT)	RT	44.03
	CTH AW (LT)	LT	31.4
	STH 73 / END OF PROJECT	LT/RT	47.4

TOTAL 533

REMOVING ASPHALTIC SURFACE BUTT JOINTS

CATEGORY	LOCATION	OFFSET	204.0115
		SY	
0010	STH 73 / BEGINNING OF PROJECT	LT/RT	328
	CTH AA (RT)	RT	78
	CTH AA (LT)	LT	80
	DILLMAN RD	LT	70
	CUPERY LN	LT	64
	FRIESLAND RD (RT)	RT	68
	FRIESLAND RD (LT)	LT	70
	KOK RD (RT)	RT	71
	KOK RD (LT)	LT	71
	POSTHUMA RD	LT	71
	BLANECEA RD (RT)	RT	66
	BLANECEA RD (LT)	LT	72
	CTH AW (RT)	RT	98
	CTH AW (LT)	LT	70
	STH 73 / END OF PROJECT	LT/RT	263

TOTAL 1540

REMOVING ASPHALTIC SURFACE SUMMARY

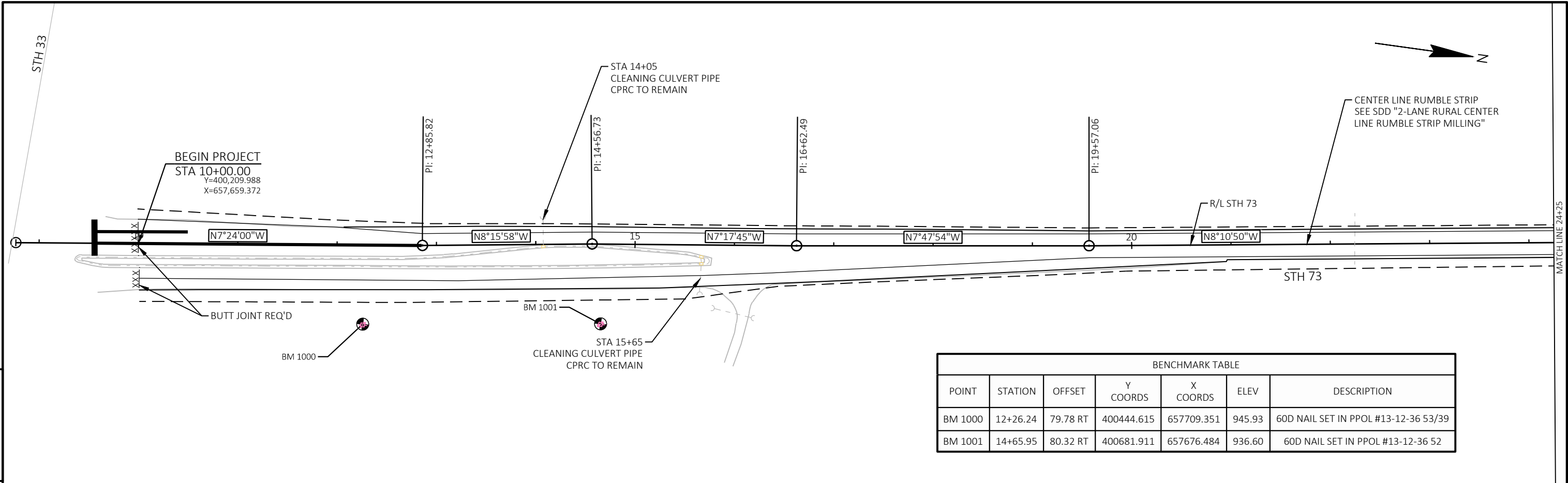
CATEGORY	STATION TO STATION	LOCATION	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0110 REMOVING ASPHALTIC SURFACE SY	REMARKS
0010	10+00 - 20+95	WIS 73	5760			PROJECT BEGIN THROUGH MEDIAN SECTION
	20+95 - 35+96	WIS 73	5003			End of median taper to CTH AA
	20+95 - 54+69	WIS 73	11311			CTH AA to DILLMAN RD; Includes C&G section
	54+69 - 84+01	WIS 73	9876			DILLMAN RD to CUPERY LN; Includes C&G section
	84+01 - 110+78	WIS 73	9014			CUPERY LN to FRIESLAND RD; Includes C&G section
	110+78 - 163+88	WIS 73	17804			FRIESLAND RD to KOK RD; Includes C&G section
	163+88 - 178+29	WIS 73	4803			KOK RD to POSTHUMA RD
	178+29 - 216+35	WIS 73	12748			POSTHUMA RD to BLANECEA RD; Includes C&G section
	216+35 - 297+08	WIS 73	26910			BLAECEA RD to CTH AW
	297+08 - 297+76	WIS 73	227			CTH AW to END
	CTH AA (RT)	WIS 73	744			
	CTH AA (LT)	WIS 73	811			
	DILLMAN RD	WIS 73	402			
	CUPERY LN	WIS 73	401			
	FRIESLAND RD (RT)	WIS 73	409			
	FRIESLAND RD (LT)	WIS 73	412			
	KOK RD (RT)	WIS 73	666			
	KOK RD (LT)	WIS 73	401			
	POSTHUMA RD	WIS 73	409			
	BLANECEA RD (RT)	WIS 73	719			
	BLANECEA RD (LT)	WIS 73	818			
	CTH AW (RT)	WIS 73	899			
	CTH AW (LT)	WIS 73	375			

TOTAL 110922 0 0

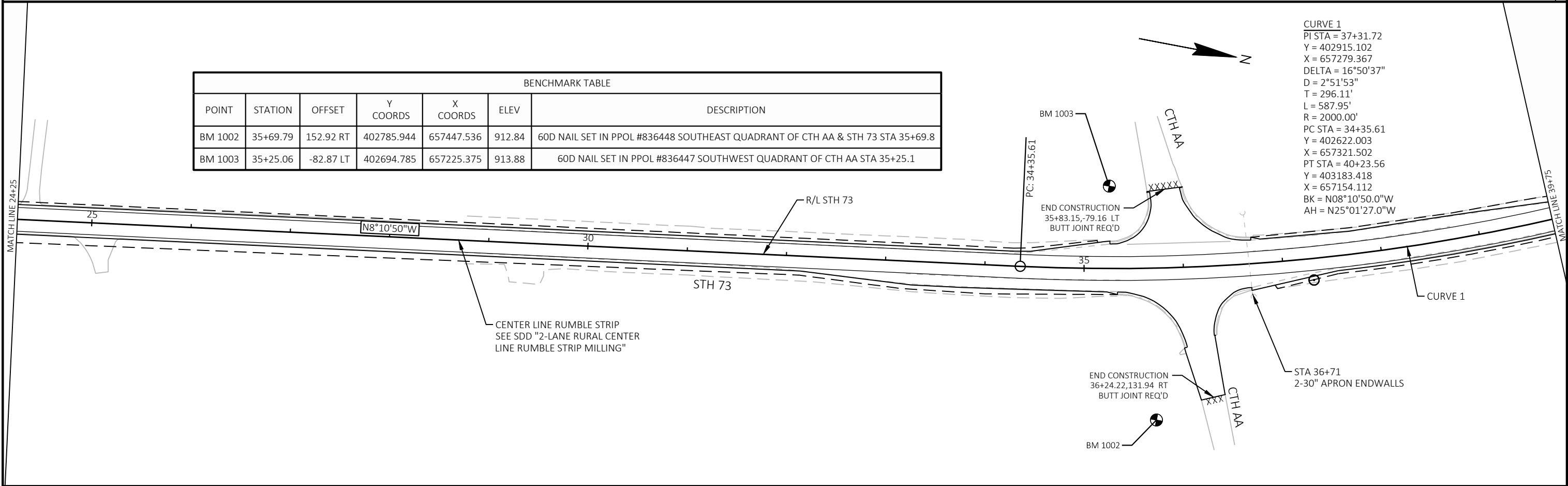
SHOULDER WORK SUMMARY

CATEGORY	STATION TO STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0500 SHAPING SHOULDERS STA	624.0100 WATER MGAL	REMARKS
0010	10+00 - 20+95	WIS 73	122	11	1703	PROJECT BEGIN THROUGH MEDIAN SECTION
	20+95 - 35+96	WIS 73	167	15	2335	END OF MEDIAN to CTH AA
	20+95 - 54+69	WIS 73	375	34	5248	CTH AA to DILLMAN RD
	54+69 - 84+01	WIS 73	326	29	4561	DILLMAN RD to CUPERY LN
	84+01 - 110+78	WIS 73	297	27	4164	CUPERY LN to FRIESLAND RD
	110+78 - 163+88	WIS 73	590	53	8260	FRIESLAND RD to KOK RD
	163+88 - 178+29	WIS 73	160	14	2242	KOK RD to POSTHUMA RD
	178+29 - 216+35	WIS 73	423	38	5920	POSTHUMA RD to BLANECEA RD
	216+35 - 297+08	WIS 73	897	81	12558	BLAECEA RD to CTH AW
	297+08 - 297+76	WIS 73	8	1	106	CTH AW to END

TOTAL 3364 303 47098



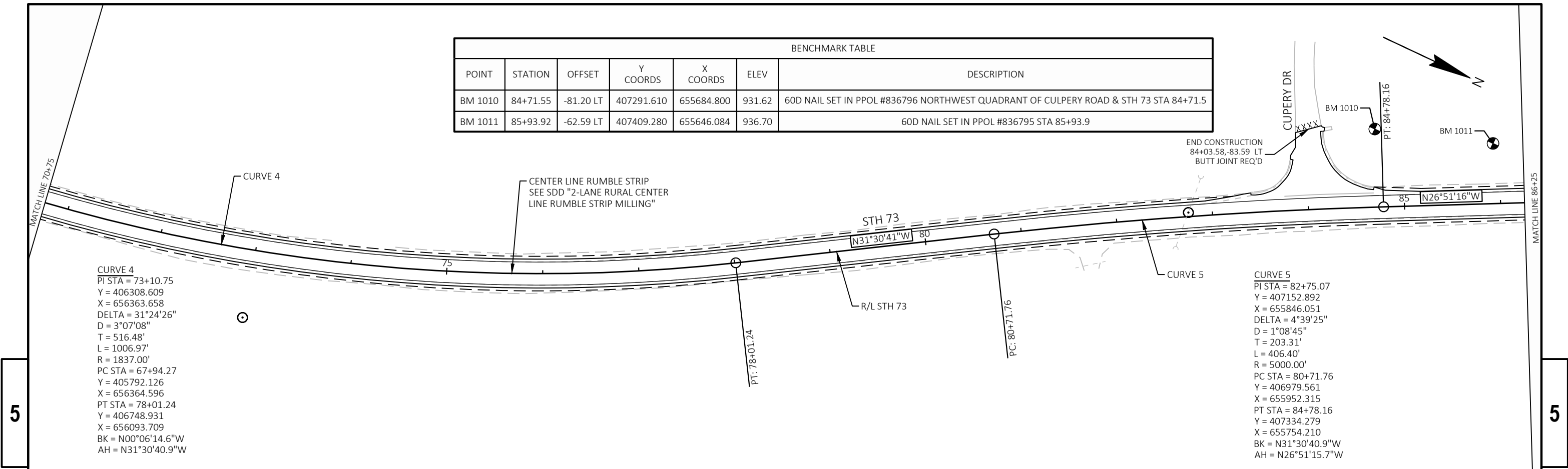
BENCHMARK TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEV	DESCRIPTION
BM 1000	12+26.24	79.78 RT	400444.615	657709.351	945.93	60D NAIL SET IN PPOL #13-12-36 53/39
BM 1001	14+65.95	80.32 RT	400681.911	657676.484	936.60	60D NAIL SET IN PPOL #13-12-36 52



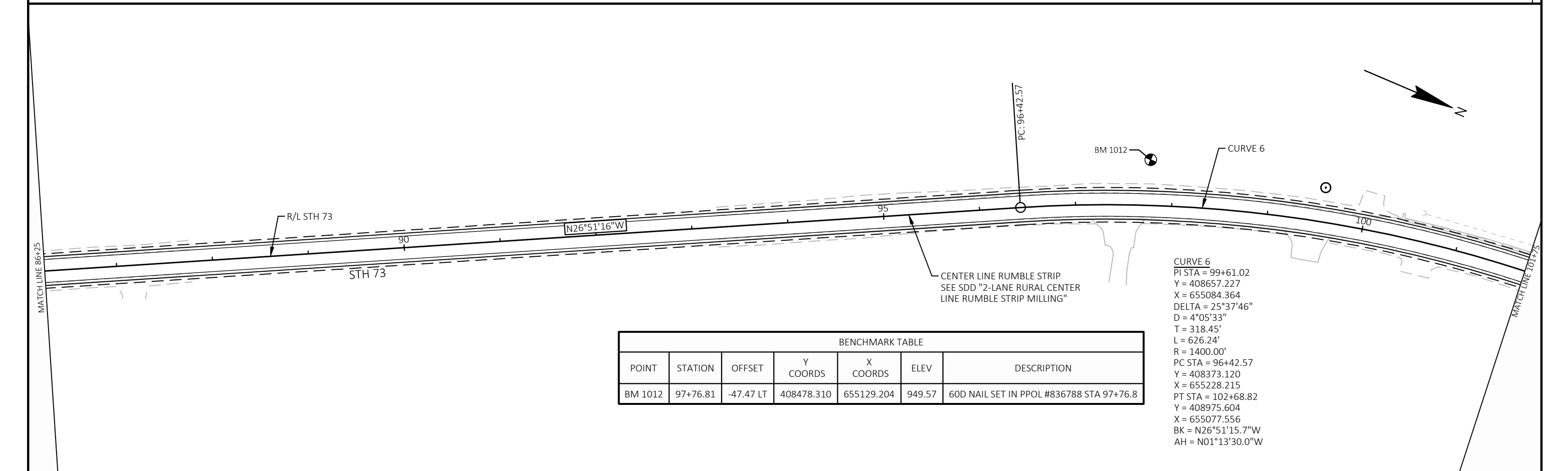
BENCHMARK TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEV	DESCRIPTION
BM 1002	35+69.79	152.92 RT	402785.944	657447.536	912.84	60D NAIL SET IN PPOL #836448 SOUTHEAST QUADRANT OF CTH AA & STH 73 STA 35+69.8
BM 1003	35+25.06	-82.87 LT	402694.785	657225.375	913.88	60D NAIL SET IN PPOL #836447 SOUTHWEST QUADRANT OF CTH AA STA 35+25.1

CURVE 1
PI STA = 37+31.72
Y = 402915.102
X = 657279.367
DELTA = 16°50'37"
D = 2°51'53"
T = 296.11'
L = 587.95'
R = 2000.00'
PC STA = 34+35.61
Y = 402622.003
X = 657321.502
PT STA = 40+23.56
Y = 403183.418
X = 657154.112
BK = N08°10'50.0"W
AH = N25°01'27.0"W

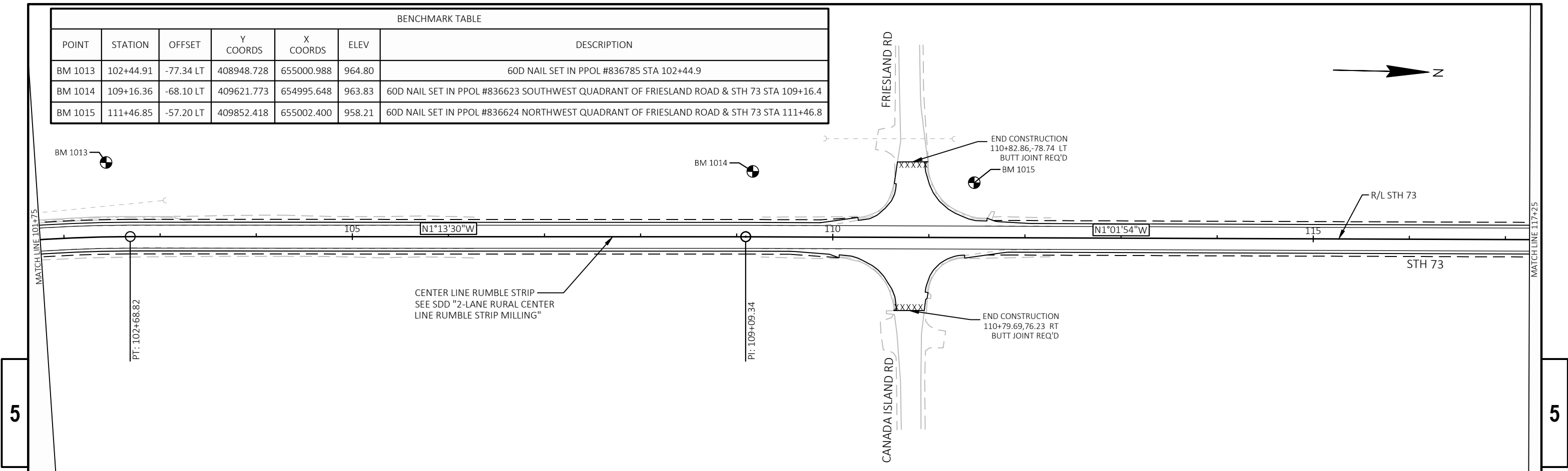
BENCHMARK TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEV	DESCRIPTION
BM 1010	84+71.55	-81.20 LT	407291.610	655684.800	931.62	60D NAIL SET IN PPOL #836796 NORTHWEST QUADRANT OF CULPERY ROAD & STH 73 STA 84+71.5
BM 1011	85+93.92	-62.59 LT	407409.280	655646.084	936.70	60D NAIL SET IN PPOL #836795 STA 85+93.9



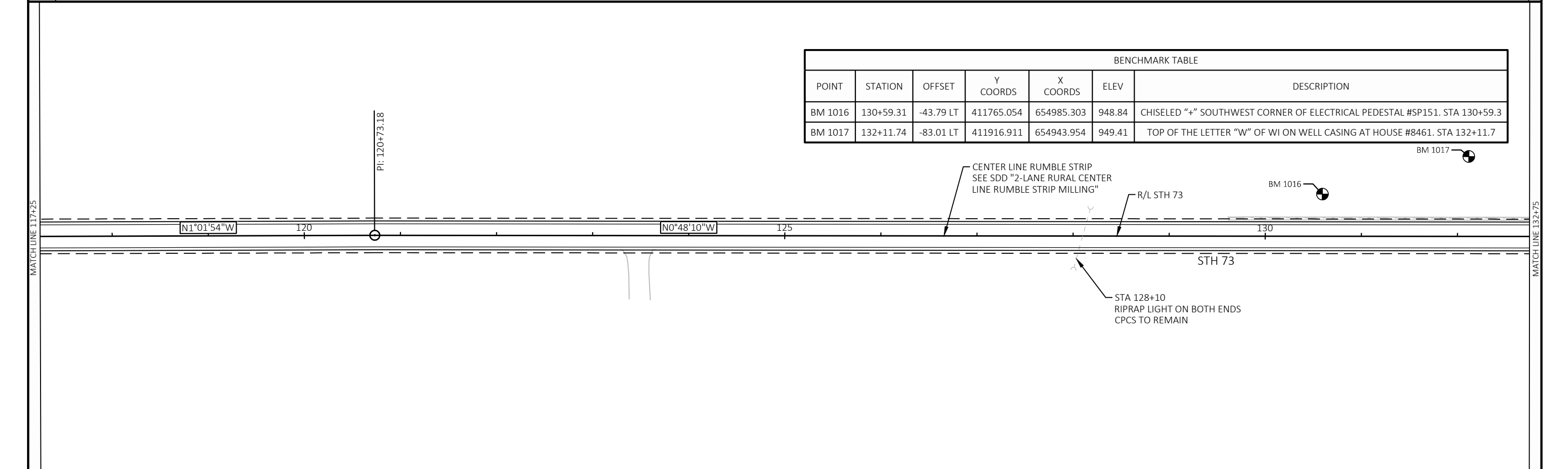
BENCHMARK TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEV	DESCRIPTION
BM 1012	97+76.81	-47.47 LT	408478.310	655129.204	949.57	60D NAIL SET IN PPOL #836788 STA 97+76.8

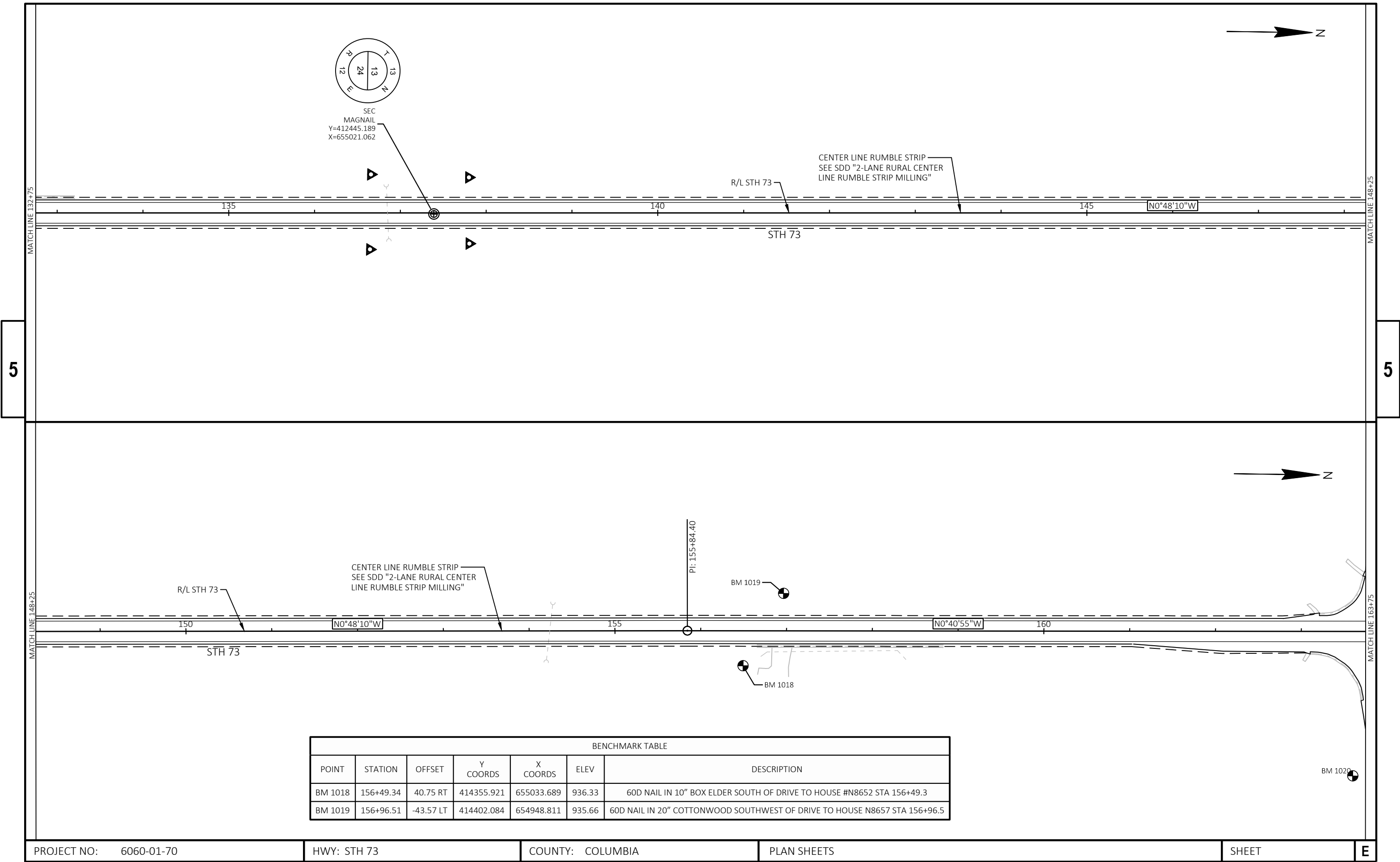


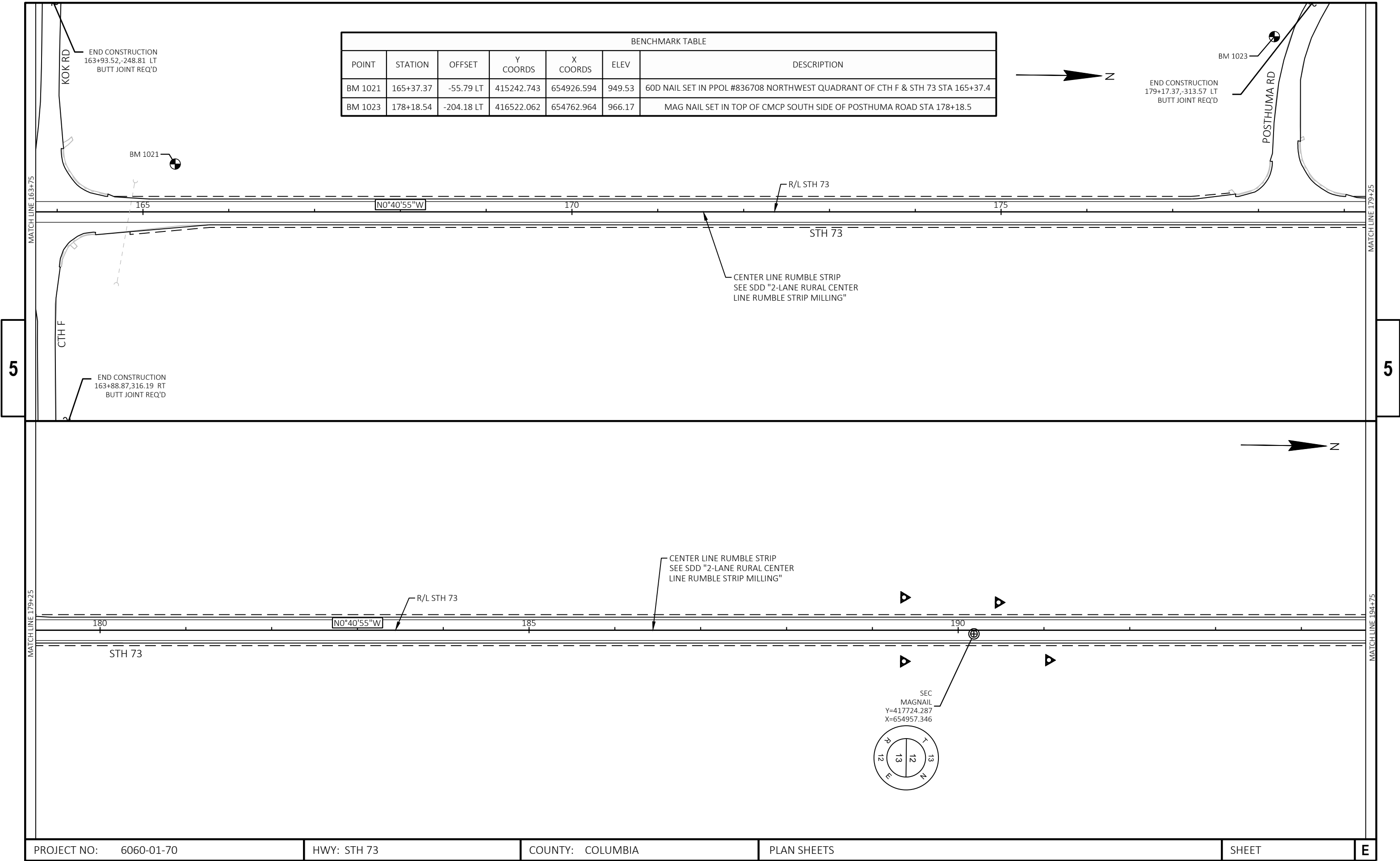
BENCHMARK TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEV	DESCRIPTION
BM 1013	102+44.91	-77.34 LT	408948.728	655000.988	964.80	60D NAIL SET IN PPOL #836785 STA 102+44.9
BM 1014	109+16.36	-68.10 LT	409621.773	654995.648	963.83	60D NAIL SET IN PPOL #836623 SOUTHWEST QUADRANT OF FRIESLAND ROAD & STH 73 STA 109+16.4
BM 1015	111+46.85	-57.20 LT	409852.418	655002.400	958.21	60D NAIL SET IN PPOL #836624 NORTHWEST QUADRANT OF FRIESLAND ROAD & STH 73 STA 111+46.8

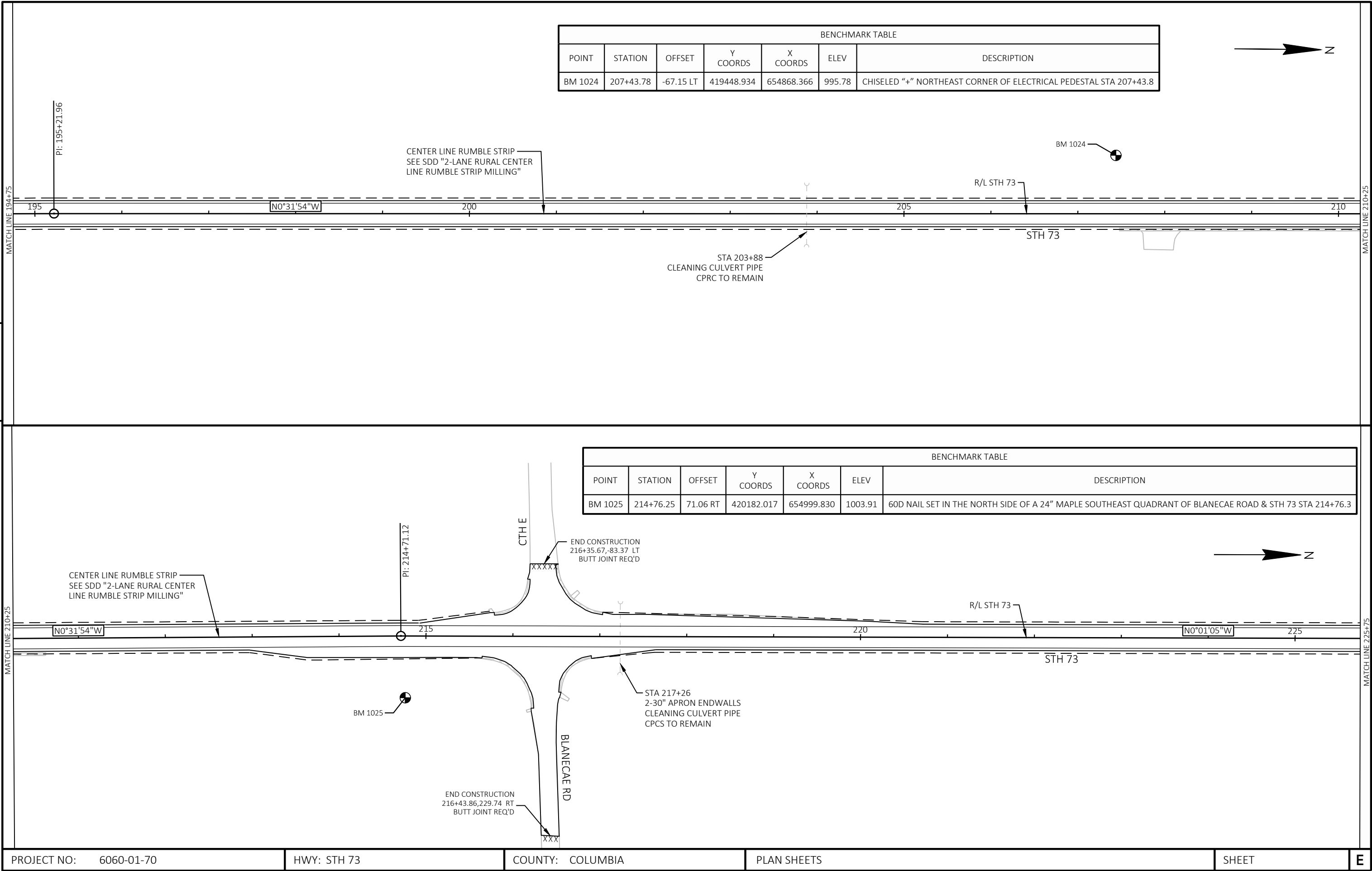


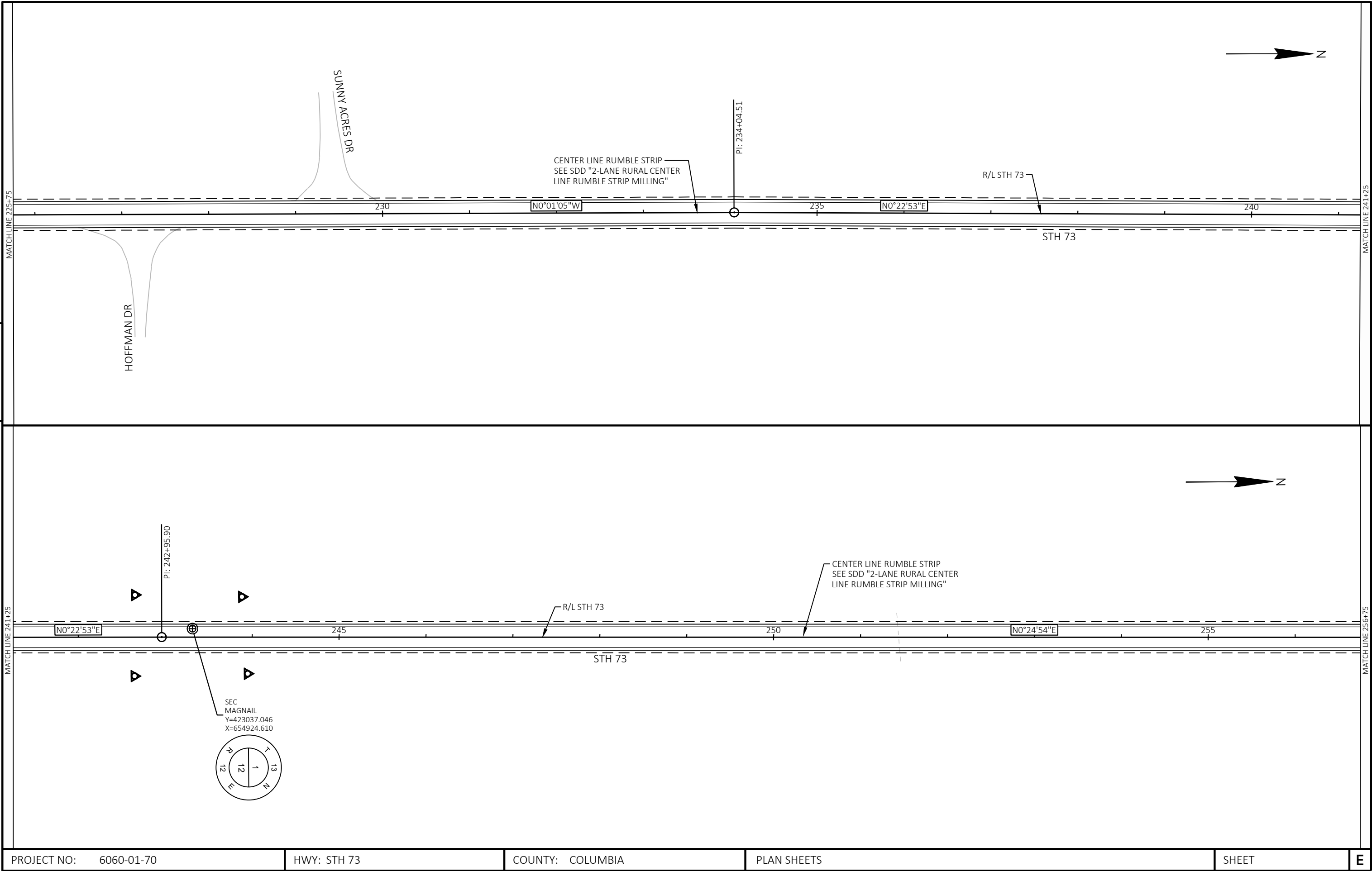
BENCHMARK TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEV	DESCRIPTION
BM 1016	130+59.31	-43.79 LT	411765.054	654985.303	948.84	CHISELED "+" SOUTHWEST CORNER OF ELECTRICAL PEDESTAL #SP151. STA 130+59.3
BM 1017	132+11.74	-83.01 LT	411916.911	654943.954	949.41	TOP OF THE LETTER "W" OF WI ON WELL CASING AT HOUSE #8461. STA 132+11.7



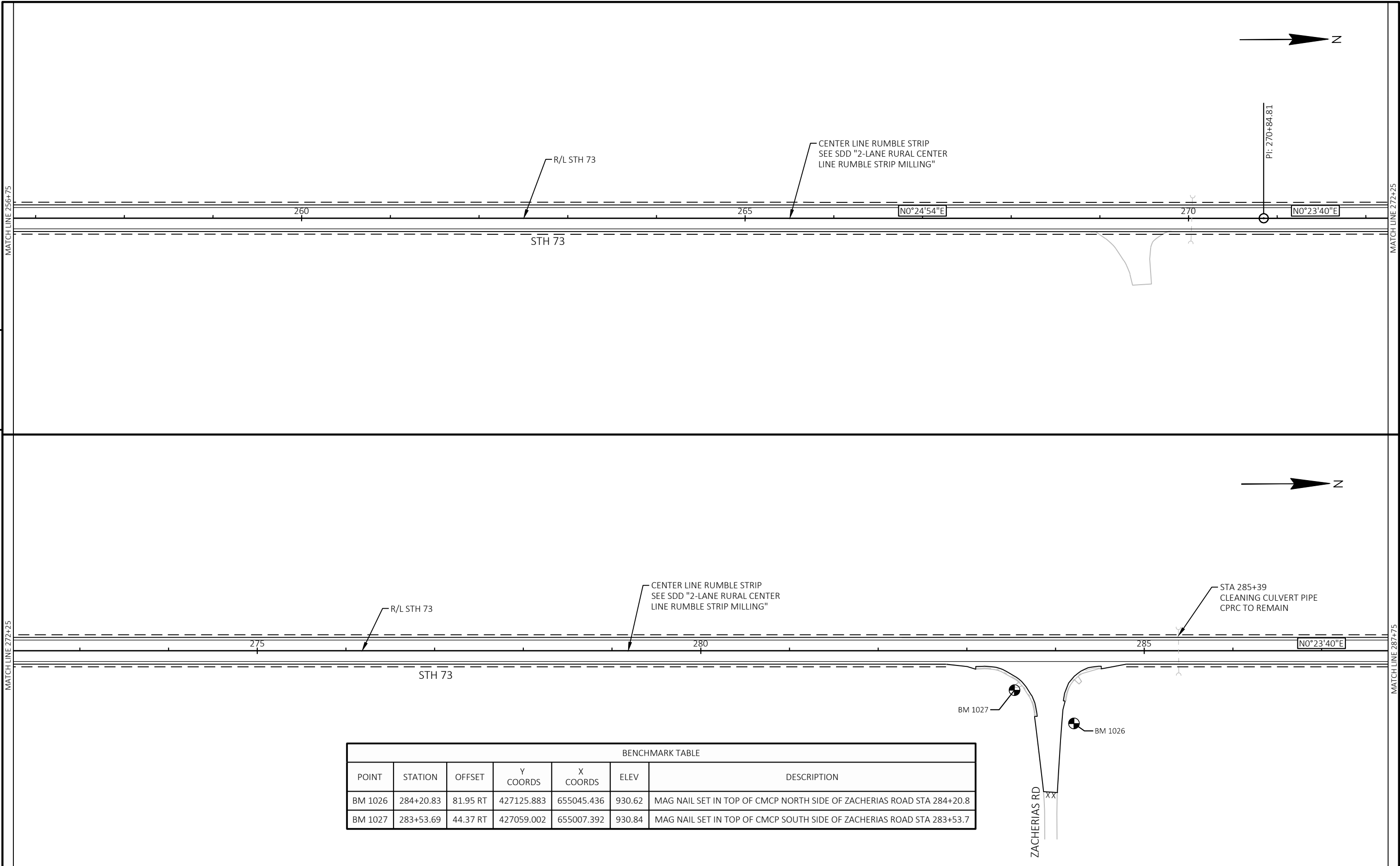


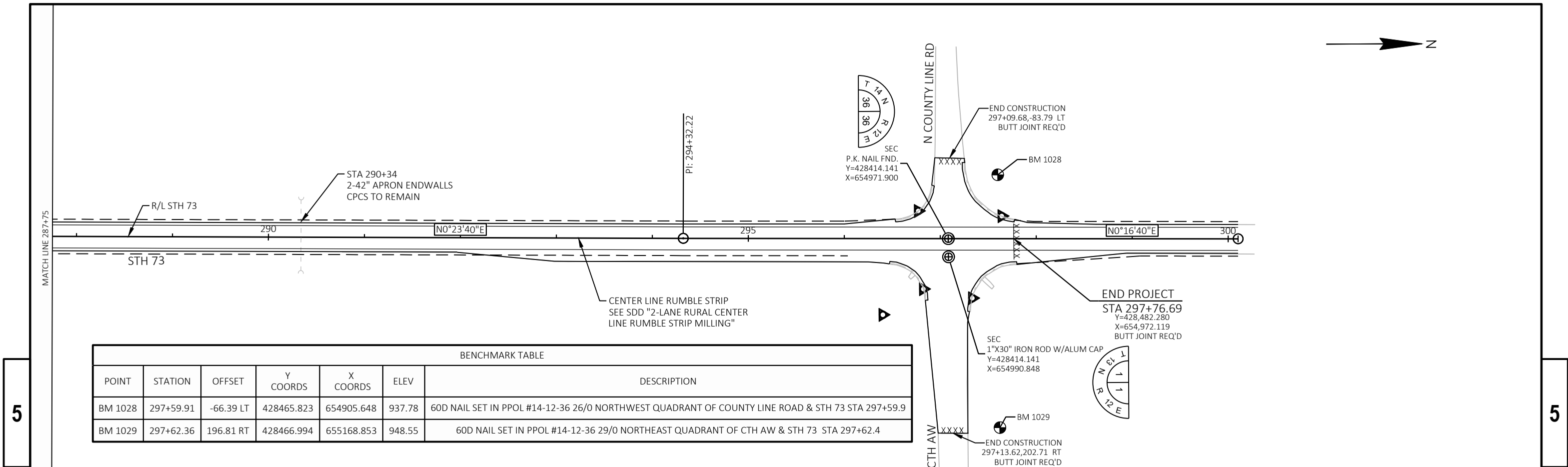






PROJECT NO: 6060-01-70	HWY: STH 73	COUNTY: COLUMBIA	PLAN SHEETS	SHEET	E
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BENCHMARK TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEV	DESCRIPTION
BM 1028	297+59.91	-66.39 LT	428465.823	654905.648	937.78	60D NAIL SET IN PPOL #14-12-36 26/0 NORTHWEST QUADRANT OF COUNTY LINE ROAD & STH 73 STA 297+59.9
BM 1029	297+62.36	196.81 RT	428466.994	655168.853	948.55	60D NAIL SET IN PPOL #14-12-36 29/0 NORTHEAST QUADRANT OF CTH AW & STH 73 STA 297+62.4